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LIST OF PATENTEES FOR THE YEAR 1931

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice)

Disclaimers follow in separate indexes, but precede the List of Inventions

A. B. A. Specialties Company. (See Fridolph, Annette, assignor.)
A. B. C. Manufacturing Corporation. (See Adams, James S., assignor.)
A-B Stove Company. (See Reedy, Alfred J., assignor.)
A-C Manufacturing Co. (See Bailey, James G., assignor.)
A C Spark Plug Company. (See Babitch, Abraham M., assignor.)
A C Spark Plug Company. (See Bacon, Elbridge F., assignor.)
A C Spark Plug Company. (See Berdon, Albert E., assignor.)
A C Spark Plug Company. (See Berge, Joseph, assignor.)
A C Spark Plug Company. (See Blair, Mark L., assignor.)
A C Spark Plug Company. (See Champion, Albert, assignor.)
A C Spark Plug Company. (See Dearborn, Clinton H., assignor.)
A C Spark Plug Company. (See Dinsmore, Clarence B., assignor.)
A C Spark Plug Company. (See Eshbaugh, Jesse E., assignor.)
A C Spark Plug Company. (See Gustafson, Edwin A., assignor.)
A C Spark Plug Company. (See Hans, Edmund E., assignor.)
A C Spark Plug Company. (See Helgeby, Ralph O., assignor.)
A C Spark Plug Company. (See Kamrath, Herbert G., assignor.)
A C Spark Plug Company. (See McDougal, Taine G., assignor.)
A C Spark Plug Company. (See McKinley, Charles W., assignor.)
A C Spark Plug Company. (See McKinney, C. W., and Willits, assignors.)
A C Spark Plug Company. (See Nutt, Frank N., assignor.)
A C Spark Plug Company. (See Rabezzana, Hector, assignor.)
A C Spark Plug Company. (See Smith, Frank D., jr., assignor.)
A C Spark Plug Company. (See Smith, Lucian B., assignor.)
A C Spark Plug Company. (See Sterling, Leroy P., assignor.)
A C Spark Plug Company. (See Terry, Michael V., assignor.)
A C Spark Plug Company. (See Tittensor, Harry A., assignor.)
A C Spark Plug Company. (See Webb, Hartwell W., assignor.)
A C Spark Plug Company. (See Zeibig, Bruno H., assignor.)
A C Spark Plug Company. (See Zubaty, Joseph, assignor.)
A & J Manufacturing Company. (See Kail, Charles E., assignor.)
A. P. W. Paper Co. (See Fairchild, William, assignor.)
A-R Products Corporation, The. (See Carnahan, Frank G., assignor.)
A-R Products Corporation, The. (See Kline, Walter A., assignor.)
A/S Hoeleng. (See Lund, Cristopher H. H., assignor.)
A & T Burt Limited. (See Perks, Thomas E., assignor.)
A. & Z. Chain Company. (See Rossman, Benjamin, assignor.)
Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tank lifter. 1,801,831; Apr. 21.
Aalborg Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Disconnecting switch. 1,837,248; Dec. 22.
Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Baffle for pull rods. 1,838,897; Dec. 29.
Aaltonen, Wolfrid, Jersey City, N. J. Lock. 1,836,425; Dec. 15.
Aaronson, Andre, London, England. Hairdressing device. 1,819,667; Aug. 18.
Aaronson, Harry, executor. (See Mendel, Sam.)
Aarts, Christianus J. C., Voorburg, Netherlands. Making an adsorbent comprising carbon, iron, and iron oxide. 1,789,507; Jan. 20.
Aarts, Hendrikus C. J., Dongen, Netherlands, assignor to The General Carbonalpha Company, Wilmington, Del. Preparing active, elementary carbon from substances such as carbonmonoxide and carbonmonoxide containing gases. 1,812,230; June 30
Aba, Eugene, Oakland, assignor to Neon Appliances Ltd. of America, Emeryville, Calif. Attaching external electrodes. 1,803,541; May 5.
Abbe, Edward J., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,804,046; May 5.
Abbe, Edward J., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,804,047; May 5.
Abbe, Edward J., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,807,269; May 26.
Abbe, Edward J., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,813,595; July 7.
Abbe, Edward J., assignor to The Elwell Parker Electric Co., Cleveland, Ohio. Industrial truck. 1,813,596; July 7.
Abbe, Edward J., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Load handling method and apparatus. 1,813,597; July 7.
Abbe, Edward J., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,826,489; Oct. 6.
Abbe, Edward J., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,826,490; Oct. 6.
Abbe, George C., assignor to American Road Machinery Company, Inc., Kennett Square, Pa. Sand spreading mechanism. 1,824,419; Sept. 22.
Abbens, Sidney M., assignor of one-half to Dorothy Kagan, San Francisco, Calif. Flatiron. 1,821,778; Sept. 1.
Abbona, Giacomo, Mondovi Breo, Italy. Transmission. 1,803,744; May 5.
Abbott, Adrian O., jr., Grosse Pointe Park, Mich. Power transmitting apparatus. 1,823,226; Sept. 15.
Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Apparatus for manufacturing tire casings. 1,796,177; Mar. 10.
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Abbott, Adrian, O., jr., assignor to Morgan & Wright, Detroit, Mich. Apparatus for manufacturing tire casings. 1,796,180; Mar. 10.
Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Apparatus for shaping flat-built casings. 1,796,181; Mar. 10.
Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Making tires and product. 1,836,057; Dec. 15.
Abbott, Alma L., Omaha, Nebr. Brush. Des. 83,889; Apr. 14.
Abbott, Carl G., Haviland, Kans. Gasoline dispensing nozzle. 1,818.663; Aug. 11.
Abbott, Charles C., Pittsfield, Mass., assignor to General Electric Company. Electric heater. 1,828.635; Oct. 20.
Abbot, Charles G., Washington, D. C. Apparatus for utilizing solar heat. 1,801,710; Apr. 21.
Abbott Coin Counter Company. (See Janovsky, J., and Lange, assignors.)
Abbott, Corwin C., assignor to The P. H. & F. M. Roots Company, Connersville, Ind. Fluid-handling apparatus. 1,792,208; Feb. 10.
Abbott, Edward J., Wilton, N. H. Method of and apparatus for unwinding and winding textile strands. 1,797,391; Mar. 24.
Abbott, Edward J., Wilton, N. H. Apparatus for preparing textile strands. 1,797,393; Mar. 24.
Abbott, Edward J. and W. G., jr., assignors to Abbott Machine Company, Wilton, N. H. Automatic winding machine. Re18.310; Dec. 29.
Abbott, Gardner, trustee. (See Glaser, Rudolph A., assignor.)
Abbott, Geoffrey J., assignor to P. I. V. Chain Gears Limited, London, England. Power transmission mechanism. 1,814,883; July 14.
Abbott, Henry H., and F. S. Entz; said Abbott assignor to American Telephone and Telegraph Company and said Entz assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone repeater system. 1,788.007; Jan. 6.
Abbott, James H., Philadelphia, Pa. Cigarette holder. 1,805.228; May 12.

Abbott Laboratories. (See Adams, R., and Rodewald, assignors.)
Abbott Laboratories. (See Jackson, Corval R., assignor.)
Abbott Machine Company. (See Abbott, Edward J., and W. G., jr., assignors.)
Abbott, Thomas J., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Folding machine. 1,822,470; Sept. 8.
Abbott, William G., jr. (See Abbott, Edward J. and W. G., jr.)
Abbott, William G., jr., Milford, N. H. Fluid pressure apparatus. 1,831,336; Nov. 10.
Abe, Shotaro, Hongoku, Japan. Photograph developing device. 1,806,232; May 19.
Abeel, James M., Sebastopol, Calif. Animal trap. 1,791,651; Feb. 10.
Abegg & Reinhold Company. (See McLagan, George E., assignor.)
Abegg, Walter A., Los Angeles, Calif. Vise. 1,818,291; Aug. 11.
Abegg, Walter A., Los Angeles, Calif. Well drilling bit. 1,828,165; Oct. 20.
Abel, Emil, assignor to J. Neurath, Vienna, Austria. Lead-bearing alloy containing copper and nickel. 1,795,633; Mar. 10.
Abel, Joseph C., Westwood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Running board for cars. 1,827,450; Oct. 13.
Abel, Max, Bronx, N. Y., assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 85,411; Oct. 27.
Abel, Walter T. (See Carley, L. R., and Abel).
Abela, Enrique, assignor to E. M. Del Pont, Buenos Aires, Argentina. Foldable bed. 1,795,697; Mar. 10.
Abeles, John S., Brooklyn, and E. Lind, New York, N. Y. Collar. 1,819,857. Aug. 18.
Abell, Rollin, Milton, Mass. Engine starter. 1,829,624; Oct. 27.
Abell, Rollin, Milton, Mass. Engine drive mechanism. 1,838,350; Dec. 29.
Abelson, Alvar N., and M. T. Johnson, Cleveland, Ohio. Line fastener. 1,821,601; Sept. 1.
Abendroth, Karl W., assignor to General Railway Signal Company, Rochester, N. Y. Track instrument. 1,824,108; Sept. 22.
Abercrombie & Fitch Company. (See Sparr, Robert, assignor.)
Abercrombie, James S. (See King, Walter E., assignor.)
Abercrombie, James S. (See King, W. E., and Abercrombie.)
Abercrombie, James S. (See Reed, Dempson H., assignor.)
Abercrombie, James S., Houston, Tex. Quick-operating blow-out preventer. 1,834,921; Dec. 8.
Abercrombie, James S., Houston, Tex. Fluid pressure operated blow-out preventer. 1,834,922; Dec. 8.
Aberfoyle Manufacturing Company. (See Holt, Joseph P., assignor.)
Aberfoyle Manufacturing Company. (See Ruff, Samuel P., jr., assignor.)
Aberle, George F., assignor to H. G. Aberle Co., Philadelphia, Pa. Stocking. Des. 84,801; Aug. 11.
Aberle, H. C., Co. (See Aberle, George F., assignor.)
Abernathy, Frederick M. (See Hunter, V. E., Abernathy, and Gholson.)
Abernathy, Rollin M., Seattle, Wash. Milk can cover. 1,803,825; May 5.
Abernethy, Robert S. (See Nielson, A. S., and Abernethy.)
Abingdon Sanitary Mfg. Co. (See Simpson, James, assignor.)
Abington Textile Machinery Works. (See Clark, Ernest, assignor.)
Abler, John E., Hollywood, Calif. Core position indicator for well drilling apparatus. 1,803,785; May 5.
Abood, Michel, Jacksonville, Fla. Refrigerated display case. 1,811,376; June 23.
Abraham, Earl A. (See Moyers, G. L., and Abraham.)
Abraham, Gabriel, New York, N. Y. Garter. 1,815,456; July 21.
Abraham, Leonard G., Teaneck, N. J., assignor to American Telephone and Telegraph Company. Echo suppressor. 1,826,196; Oct. 6.
Abraham, Lewis, Portsmouth, Va. Hand grip control for aircraft. 1,834,013; Dec. 1.
Abrahams, Albin, Spokane, Wash. Fish lure. 1,804,391; May 12.
Abrahams, Alexander I., New York, N. Y. Diaphragm for acoustic devices. 1,832,608; Nov. 17.
Abrahams, Alexander I., New York, N. Y. Sound amplifier. 1,834,327; Dec. 1.
Abrahams, Alexander I., New York, N. Y. Sound amplifier. 1,835,739; Dec. 8.
Abrahamson, Alvin L., Macksville, Kans. Wrench. 1,794,818; Mar. 3.
Abrahamson, William, Chicago, Ill. Artificially cooled display case. 1,807,332; May 26.
Abramowitsch, Eugen, Hamburg, Germany. Process and product for gluing wood with starch or substances containing starch. 1,788,608; Jan. 13.
Abramowitz, Joseph, assignor of thirty-five per cent to A. E. King, Madison, Ill. Dust-collector. 1,809,922; June 16.
Abramowitz, Joseph V., Bloomfield, N. J. Life belt. 1,831,472; Nov. 10.
Abrams, Harry F., Garden City, and E. G. Into, assignors to Vacuum Oil Company, New York, N. Y. Receptacle for petroleum and the like. 1,800,975; Apr. 14.
Abrams, Irving, and I. Sager, Brooklyn, assignors to L. Raphael, New York, N. Y. Lock for window screens and the like. 1,813,652; July 7.
Abrams, Isidore I., Brooklyn, N. Y. Attachment for screen and the like. 1,808,199; June 2.
Abrams, Jack B., Chicago, Ill. Making metallic frames. 1,836,354; Dec. 15.
Abrams, Norman H., Waco, Tex., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis. Water meter cover. 1,816,818; Aug. 4.
Abramsen, Petter B., Dormont, Pa. Straightening machine. 1,835,198; Dec. 8.
Abramson, John H., and E. C. Swanson, assignors to Greenlee Bros. & Co., Rockford, Ill. Metal punch. 1,817,223; Aug. 4.
Abramson, Nathan, Brooklyn, N. Y. Miniature flasher. 1,819,633; Aug. 18.
Abramson, Richard E. (See Victor B., and Abramson.)
Abrasive Engineering Corporation. (See La Vercombe, Harley H., assignor.)
Abrate, Jean B., Paris, France, assignor to The Monotype Corporation Limited, London, England. Type casting mold. 1,830,745; Nov. 10.
Abronski, John V., Pitman, N. J. Window screen. 1,793,535; Feb. 24.
Abronski, John V., Pitman, N. J. Window screen. 1,793,536; Feb. 24.
Abronski, John V., Pitman, N. J. Screen. 1,793,537; Feb. 24.
Abronski, John V., Pitman, N. J. Window screen. 1,793,538; Feb. 24.
Abronski, John V., Pitman, N. J. Screen. 1,793,539; Feb. 24.
Absmeier, Carl. (See Turner, J. J., and Absmeier.)
Absmeier, Carl, La Grange Park, Ill., assignor to United States Gypsum Company, Chicago, Ill. Plaster board. Re18,286; Dec. 15.
Absmeier, Carl, Maywood, assignor to United States Gypsum Company, Chicago, Ill. Folding device for plaster board machinery. 1,824,420; Sept. 22.
Abson, Gene. (See Skidmore, H. W., and Abson).
Abt, Louis, assignor to W. Paddor, Chicago, Ill. Skylight. 1,820,764; Aug. 25.
Acco Products, Inc. (See Kern, Emil, assignor.)
Accounting & Tabulating Corporation of Gt. Britain, Limited, The. (See Thomas, Arthur, assignor.)
Accurometer Mfg. Co. (See Phelps, Clyde H., assignor.)
Ace Humidifying Ventilating and Sheet Metal Works. (See Kaplan, A. W., and Hauser, assignors.)
Aceta G. m. b. H. (See Deile, Hermann, assignor.)
Aceta G. m. b. H. (See Friederich, Alfred, assignor.)
Aceta G. m. b. H. (See Schlack, Paul, assignor.)
Acetex Safety Glass Limited. (See Johnston, William, assignor.)
Achenbach, Charles, Manitowoc, Wis. Combination jack and post puller. 1,807,142; May 26.
Achenbach, Charles, Manitowoc, Wis. Horn trainer. 1,836,830; Dec. 15.
Acheson, Albert R., assignor to E. C. Stearns & Co., Syracuse, N. Y. Incinerator. 1,824,974; Sept. 29.
Acheson, Arthur M., Dobbs Ferry, assignor to Durium Products Corporation, New York, N. Y. Phonograph record. 1,824,253; Sept. 22.
Acheson, Arthur M., Dobbs Ferry, and G. Ramsey, Brooklyn, assignors to Durium Products Corporation, New York, N. Y. Pin holder for phonograph records. 1,821,916; Sept. 8.
Acheson, James M., Los Angeles, Calif. Toothbrush. 1,826,234; Oct. 6.
Acheson, Marcus A., and J. L. Zehner, Schenectady, N. Y., assignors to General Electric Company. Regulating the operation of space discharge devices. 1,836,891; Dec. 15.
Acieries de Gennevilliers, Anciens Etablissements C. Delachaux. (See Delachaux, Clarence L., assignor.)
Acker, George H., assignor to Cleveland Worm and Gear Company, Cleveland, Ohio. Differential. 1,802,545; Apr. 28.
Ackerberg, Carl W., San Francisco, Calif. Perspectograph. 1,826,338; Oct. 6.
Ackerly, Donald G. (See Grondahl, L. O., and Ackerly.)
Ackerly, Donald G., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Manufacture of electrical rectifiers. 1,811,603; June 23.
Ackerly, Donald G., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,812,187; June 30.
Ackerman, Albert A., Westfield, and C. L. Thomson, Newark, N. J., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Centrifugal clutch. 1,823,881; Sept. 22.
Ackerman, Albert C., Ballston Spa, N. Y. Glove. 1,811,570; June 23.
Ackerman, Albert C., Ballston Spa, N. Y. Gang die for cutting glove blanks. 1,811,571; June 23.
Ackerman, Arthur, New York, N. Y. Lime kiln. 1,812,672; June 30.
Ackerman-Blaesser-Fezzey, Inc. (See Ackerman, Edward L., assignor.)
Ackerman, Catherine L., Minneapolis, Minn. Mixing machine for pastry. 1,806,139; May 19.

Ackerman, Edward L., assignor to Ackerman-Blaesser-Fezzey, Inc., Detroit, Mich. Supporting frame for window-regulator mechanism. 1,800,001; Apr. 7.
Ackerman, Edward L., assignor to Ackerman-Blaesser-Fezzey, Inc., Detroit, Mich. Mechanism for operating sash in certain window construction. 1,822,580; Sept. 8.
Ackerman, Emil, Chicago, Ill. Air circulating device for hot air furnaces. 1,811,828; June 23.
Ackerman, Emil, and W. Mowers, Chicago, Ill. Air circulating device for warm air furnaces. 1,823,521; Sept. 15.
Ackerman, Frank, St. Louis, assignor to Curtis Manufacturing Company, Wellston, Mo. Automobile lift. 1,819,275. Aug. 18.
Ackerman, Fred, deceased, Pineville, S. Ackerman, administratrix, assignor of three-fifths to Kentucky Utilities Company, Louisville, Ky. Steam trap. 1,823,077; Sept. 15.
Ackerman, Jacob G., Scottsville, N. Y. Rotary dating stamp. 1,796,741; Mar. 17.
Ackerman, Michael H., Mansfield, assignor of one-half to L. C. Sickel, Caledonia, Ohio. Valve. 1,815,537; July 21.
Ackerman, Michael H., Mansfield, assignor of one-half to L. C. Sickel, Caledonia, Ohio. Automatic valve. 1,815,538; July 21.
Ackerman, Sophie, administratrix. (See Ackerman, Fred.)
Ackermann, Gottlieb, Berlin, Germany. Pressure regulator and safety valve. 1,794,270; Feb. 24.
Ackermann, Franz, Binningen, near Basel, and C. Apotheker, Arlesheim, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Anthraquinone derivatives and making same. 1,792,348; Feb. 10.
Ackermann, Joseph, Brooklyn, N. Y. Game apparatus. 1,822,686; Sept. 8.
Ackley, Raymond E., assignor to R. R. Donnelley and Sons Company, Chicago, Ill. Book-sewing machine. 1,788,968; Jan. 13.
Ackley, Raymond E., assignor to R. R. Donnelley & Sons Co., Chicago, Ill. Timing device for gathering and binding machines. 1,794,050; Feb. 24.
Ackley, Raymond E., assignor to R. R. Donnelley & Sons Company, Chicago, Ill. Bookbinding machine. 1,805,157; May 12.
Ackley, Raymond E., assignor to R. R. Donnelley & Sons Company, Chicago, Ill. Book trimming machine. 1,813,598; July 7.
Ackley, Raymond E., assignor to R. R. Donnelley & Sons Company, Chicago, Ill. Bookbinding machine. 1,835,685; Dec. 8.
Acme Air Appliance Co. (See Carliss, Albert E., assignor.)
Acme Canning Machine Company. (See Duncan, Arthur L., assignor.)
Acme Card System Company. (See Powell, Frank D., assignor.)
Acme Machine Tool Company, The. (See Wettig, T. A., and Meier, assignors.)
Acme Motion Picture Projector Company. (See De Vault, Ralph P., assignor.)
Acme Motion Picture Projector Company. (See Moulton, Forest R., assignor.)
Acme Fishing Tool Co. (See Bell, T. W., and Rogers, assignors.)
Acme Fishing Tool Co. (See Nutter, Orda D., assignor.)
Acme Machine Tool Company, The. (See Meier, C., and Wettig, assignors.)
Acme Printing Appliance Co., The. (See Daane, Arthur J., assignor.)
Acme Shear Company, The. (See Conway, John J., assignor.)
Acme Steel Company. (See MacChesney, Chester M., assignor.)
Acme Steel Company. (See MacChesney, C. M., and Ott, assignors.)
Acme Steel Company. (See Ott, John E., assignor.)
Acosta, Julian S., assignor of one-third to L. A. Watlington, Arecibo, Porto Rico. Biscuit, cake and pie machine. 1,809,263; June 9.
Acosta, Tracy. (See Gum, Guy C., assignor.)
Acoustic Products Company. (See Hutchison, Miller R., assignor.)
Acree, Solomon F., Eureka, Mont. Tan extract and making same. 1,816,138; July 28.
Acree, Solomon F., Madison, Wis., assignor of one-tenth to A. B. Foster, Washington, D. C. Method of converting wood into sugar and other products. 1,816,135; July 28.
Acree, Solomon F., Syracuse, N. Y., assignor of one-tenth to A. B. Foster, Washington, D. C. Converting wood into sugar and other products. 1,816,136; July 28.
Acree, Solomon F., Syracuse, N. Y., assignor of one-tenth to A. B. Foster, Washington, D. C. Converting wood into mucic acid. 1,816,137; July 28.
Acro Aktiengesellschaft. (See Baur, Ottmar, assignor.)
Acro Aktiengesellschaft. (See Lang, Franz, assignor.)
Actiengesellschaft C. P. Goerz Optische Anstalt, Actiova Spolecnost K. P. Goerz opticky ustav. (See Pechan, I., and Schier, assignors.)
Actiengesellschaft fur Feinmechanik, vormals Jetter & Scheerer. (See Pauli, Leopold, assignor.)
Activities Limited. (See Williams, William M., assignor.)
Acuff, George. (See Brown, David L., assignor.)
Ad. Essich & Co. (See Glück, Paul, assignor.)
Adair, Samuel E. (See Jenkins, J. E., and Adair.)
Adair, Sidney T., and C. F. Cushing, Baltimore, Md. Dehydration and purification of CO_2. 1,831,644; Nov. 10.
Adaire, William R., Philadelphia, Pa., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. Des. 84,175; May 19.
Adalet Manufacturing Company, The. (See Boyton, John C., assignor.)
Adam, Auguste E., Houilles, and R. Janning, Nantes, France. Pocket manicure set. 1,828,121; Oct. 20.
Adam, Carl F., Trenton, N. J. Inhaler. 1,789,921; Jan. 20.
Adam, Frank, Electric Co. (See Stieglitz, Henry M., assignor.)
Adam, Frederick B., St. Louis, Mo. Panel board. 1,815,038; July 21.
Adam Hat Stores, Inc. (See Coman, John F., assignor.)
Adam, Isaïé C. F., Paris, and René A. Ragody, Le Perreux, assignors to Compagnie Francaise des Appareils Adam, Paris, France. Apparatus for the permanent waving of the hair. 1,824,799; Sept. 29.
Adamcikas, Mykas (also known as Michael Adamtchik) and G. Massera, Aldwych, London, England. Blade for fans or ventilators. 1,831,729; Nov. 10.
Adami, Felix, Richmond, England. Appliance for grilling, toasting, and the like. 1,817,118; Aug. 4.
Adams, Alexander, Philadelphia, Pa. Barber's hair-cutting machine. 1,809,008; June 9.
Adams, Alexander W., Lorne Park, Ontario, assignor to The J. C. Adams Company, Toronto, Ontario, Canada. Spray gun. 1,793,383; Feb. 17.
Adams, Arthur H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Treating objects. 1,796,819; Mar. 17.
Adams, Arthur H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacturing electrical switching apparatus. 1,806,188; May 19.
Adams, Arthur H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Soldering. 1,826,709; Oct. 13.
Adams, Arthur H., La Grange, Ill., assignor to Troy Laundry Machinery Company, Inc., New York, N. Y. Laundry ironing and pressing apparatus. 1,834,365; Dec. 1.
Adams, Arthur H., La Grange, Ill., assignor to Troy Laundry Machinery Company, Inc., New York, N. Y. Resilient padding for ironing machines. 1,837,008; Dec. 15.
Adams, Arthur H., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for treating objects. 1,796,820; Mar. 17.
Adams, Arthur H., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for soldering. 1,826,710; Oct. 13.
Adams, Austin, jr., Brightwaters, and W. L. Richards, Lynnbrook, N. Y., assignors to American Air Filter Company, Louisville, Ky. Cleansing system and device for air filters. 1,807,950; June 2.
Adams, Bert L. (See Smith, Frank W., assignor.)
Adams Bros. Mfg. Co. (See Steffen, Adolf, assignor.)
Adams, Charles A., Humble, Tex. Rod elevator. 1,804,074; May 5.
Adams, Charles W., Los Angeles, Calif. Tent. 1,839,076; Dec. 29.
Adams, Charles W., assignor to United States Graphite Company, Saginaw, Mich. Bearing. 1,816,758; July 28.
Adams, Clarke M., Toledo, Ohio, assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, New York, N. Y. Pressure gauge. 1,839,077; Dec. 29.
Adams Coal Machinery Company. (See Adams, Henry, assignor.)
Adams, Corlies H., Pismo Beach, Calif. Merry-go-round. 1,797,392; Mar. 24.
Adams, Daniel, Ann Arbor, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Table for supporting glass sheets and bedding the same thereon. 1,831,617; Nov. 10.
Adams, Daniel B. (See Adams, Samuel L. and D. B.)
Adams, Edgar R., Edwardstown, V. A. H. Weber and D. H. Smith, Henley Beach, Australia. Electropneumatic action for the operation and control of musical instruments. 1,823,775; Sept. 15.
Adams, Edgar W., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic article selecting and distributing system. 1,816,887; Aug. 4.
Adams, Edward T., Phoenix, Ariz., assignor to Fairbanks, Morse Co., Chicago, Ill. Internal-combustion engine. 1,790,892; Feb. 3.
Adams, Edwin J., Little Falls, N. Y. Grease dispenser. 1,799,492; Apr. 7.
Adams, Ella M., New York, N. Y. Hair waver. 1.805.507; May 19.
Adams, Elmer W. (See Sullivan, F. W., jr., and Adams.)
Adams, Elmer W., Hammond, assignor to Standard Oil Company, Whiting, Ind. Sulphurized oils. 1,824,523; Sept. 22.
Adams, Elmer W., Hammond, and F. W. Kittrell, assignors to Standard Oil Company, Whiting, Ind. Emulsifiable lubricant. 1,817,599; Aug. 4.

Adams, Elton, Dryville, Pa. Tank lock. 1,833,864; Nov. 24.
Adams, Floyd W., and C. E. Moulson, Peoria, Ill., assignors to The Barrett Company. Weighting device. 1,803,327; Apr. 28.
Adams, Frank R., Chicago, Ill. Window screen frame. 1,824,187; Sept. 22.
Adams, Frank W., West Hartford, assignor to The Fuller Brush Company, Hartford, Conn. Cleaning implement. 1,795,159; Mar. 3.
Adams, George. (See Samuels, A. O., and Adams.)
Adams, George, Sturgis, Ky. Mine layout. 1,789,665; Jan. 20.
Adams, George R. (See Obenhaus, F. W., and Adams.)
Adams, George R., Los Angeles, Calif. Doorknob. 1,803,375; May 5.
Adams, George R., assignor to L. C. Sachs, Los Angeles, Calif. Door catch. 1,795,590; Mar. 10.
Adams, George W., assignor to Eastman Kodak Company, Rochester, N. Y. Camera casing and making same. 1,831,794; Nov. 10.
Adams, Harley E., Parkersburg, W. Va. Convertible lawn mower, cleaner, and vacuum sweeper. 1,803,160; Apr. 28.
Adams, Harold E., assignor to Nash Engineering Company, South Norwalk, Conn. Priming mechanism for centrifugal pumps. 1,803,885; May 5.
Adams, Harry Lee, Elvins, Mo. Gasoline motor. 1,806,233; May 19.
Adams, Harry W., and F. M. Salisbury, Dundalk, assignors to The Glenn L. Martin Co., Baltimore, Md. Airplane flotation system. 1,818,597; Aug. 11.
Adams, Henry, Plainfield, N. J. Coal loading method and apparatus. 1,808,587; June 2.
Adams, Henry, Plainfield, N. J. Coal distributing means. 1,809,261; June 9.
Adams, Henry, Plainfield, N. J. Fuel burning apparatus and method. 1,817,470; Aug. 4.
Adams, Henry, assignor to Adams Coal Machinery Company, Plainfield, N. J. Coke and coal avalanching chute. 1,795,986; Mar. 10.
Adams, Henry, assignor to Adams Coal Machinery Company, Plainfield, N. J. Method and apparatus of loading coal and coke. 1,795,987; Mar. 10.
Adams, Henry, assignor to Adams Coal Machinery Company, Plainfield, N. J. Method and apparatus for storing flowable solid material. 1,795,988; Mar. 10.
Adams, Henry, assignor to Adams Coal Machinery Company, Plainfield, N. J. Apparatus for lowering and mixing flowable solid material. 1,795,989; Mar. 10.
Adams, Henry T., Chicago, Ill. Loose leaf ring book. 1,813,599; July 7.
Adams, Herbert, Liverpool, England, assignor, by mesne assignments, to Associated Telephone & Telegraph Company, Kansas City, Mo. Rotary line switch circuit. 1,803,452; May 5.
Adams, Herbert J., Battle Creek, Mich. Washing machine. 1,832,079; Nov. 17.
Adams, Homer F., Gas City, Ind. Cardcase. 1,797,114; Mar. 17.
Adams, Ira J. (See Sample, Perry B., assignor.)
Adams, J. C. Company, The. (See Adams, Alexander W., assignor.)
Adams, J. D., Manufacturing Company. (See Adams, Roy E., assignor.)
Adams, James S., Borger, Tex., assignor to A. B. C. Manufacturing Corporation. Separating oil from water. 1,831,473; Nov. 10.
Adams, John F. (See Allen, T. T., and Adams.)
Adams, John F., assignor to Sentry Safety Control Corporation, Philadelphia, Pa. Safety device for motion picture projecting machines. 1,809,815; June 16.
Adams, John F., and T. T. Allen, assignors to Sentry Safety Control Corporation, Philadelphia, Pa. Centrifugal switch. 1,809,816; June 16.
Adams, John F., and T. T. Allen, assignors to Sentry Safety Control Corporation, Philadelphia, Pa. Safety device for motion picture projecting machines. 1,817,661; Aug. 4.
Adams, John H. (See Smith, Joseph R. S., assignor.)
Adams, John Q., et al. (See Kronawert, Winfield S., assignor.)
Adams, John S., and B. Miller, Adams, Mass. Windshield and car heating device. 1,826,590; Oct. 6.
Adams, John W., jr., and H. A. Stevens, Minneapolis, Minn.; said Stevens assignor to said Adams. Partition structure—movable. 1,798,392; Mar. 31.
Adams, Joseph H., Brooklyn, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Apparatus for the conversion and transformation of hydrocarbons, liquids and fluids. 1,811,834; June 30.
Adams, Joseph W., Lexington, Ky. Agricultural implement. 1,832,347; Nov. 17.
Adams, Kempton, Redding Ridge, Conn. Mixer. 1,820,171; Aug. 25.
Adams, Lester V., Schenectady, N. Y., assignor to General Electric Company. Synthetic resin and making the same. 1,805,473; May 19.
Adams, Lytle S., New York, N. Y. Airplane article pick up shock absorbing means. 1,825,329; Sept. 29.
Adams, Lytle S., Seattle, Wash., assignor to Airways Patent Corporation. Airplane package transfer apparatus 1,818,835; Aug. 11.
Adams, Lytle S., Seattle, Wash., assignor to Airways Patent Corporation. Grapple for airplane package transfer apparatus. 1,818,956; Aug. 11.
Adams, Lytle S., New York, assignor to Aeroplane Hangar and Equipment Corporation, Buffalo, N. Y. Airplane hangar or shed. 1,818,957; Aug. 11.
Adams, Mathias J., Turkey River, Iowa. Spoke-tenon and felly-clip. 1,816,201; July 28.
Adams, Peter P., et al. (See Kronawert, Winfield S., assignor.)
Adams, Peter P., Turkey River, Iowa. Vehicle wheel. 1,816,351; July 28.
Adams, Raleigh J., Chicago, Ill. Boiler construction. 1,790,215; Jan. 27.
Adams, Ray R., Maplewood, N. J., and E. V. Griggs, White Plains, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y. Signal transmission by guided and unguided waves. 1,811,102; June 23.
Adams, Robert H., Greenwich, Conn., and B. H. Thurman, Tuckahoe, assignors to Gold Dust Corporation, New York, N. Y. Making linseed oil. 1,790,494; Jan. 27.
Adams, Roger, and C. W. Rodewald, Urbana, assignors to Abbott Laboratories, North Chicago, Ill. Arsonophenyl amino alcohols and making same. 1,081,535; Apr. 21.
Adams, Roy E., assignor, by mesne assignments, to J. D. Adams Manufacturing Company, Indianapolis, Ind. Road grader. 1,806,568; May 19.
Adams, Roy E., assignor, by mesne assignments, to J. D. Adams Manufacturing Company, Indianapolis, Ind. Road grading machine. 1,833,878; Nov. 24.
Adams, S. G., Stamp and Stationery Company. (See Seele, William J., assignor.)
Adams, Samuel L. and D. B., Pickens, S. C. Automatic water conveyer or carrier. 1,829,625; Oct. 27.
Adams, Simon A., Lynn, Mass. Permutation lock. 1,802,041; Apr. 21.
Adams, Stephen S., St. Louis, Mo. Sign. 1,808,878; June 9.
Adams, Stephen S., St. Louis, Mo. Embossing machine. 1,831,434; Nov. 10.
Adams, Thomas A., Brenham, Tex. Filling-feeler knife tripper. 1,800,275; Apr. 14.
Adams, Thomas J., Osborne, Kans. Ice-cream-cone carrier. 1,789,508; Jan. 20.
Adams, W. L. (See Bird, Len O., assignor.)
Adams, Wallace A., Petaluma, Calif. Fruit basket crate. 1,826,197; Oct. 6.
Adams, Walter A., Rochester, N. Y. Electrical fixture. 1,793,457; Feb. 24.
Adams, Walter A., Rochester, N. Y. Coupling for electrical fixtures. 1,822,260; Sept. 8.
Adams, Walter L. (See Pflueger, C. T., and Adams.)
Adams, Walter S., assignor to The J. G. Brill Company, Philadelphia, Pa. Graduated semielliptic spring. 1,804,300; May 5.
Adams, Wayne W., Sciotoville, Ohio. Lighting system. 1,837,091; Dec. 15.
Adams, William H., assignor to Eastern Finishing Works, Kenyon, R. I. Printed textile fabric. Des. 84,724; July 28.
Adams, William J., Cochranton, Pa. Highway barrier. 1,794,434; Mar. 3.
Adams, William J., Santa Cruz, assignor to Ball Wagon Grader Company, Stockton, Calif. Chain drive control for scraper bowls. 1,813,011; July 7.
Adams, William J., jr., Hartsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical tuning device. 1,831,375; Nov. 10.
Adamson, Allan A., Rochester, N. Y., assignor, by mesne assignments, to Autokraft Box Corporation, Lima, Ohio. Box lid. 1,814,071; July 14.
Adamson, Allan A., Rochester, N. Y., assignor, by mesne assignments, to Autokraft Box Corporation, Lima, Ohio. Manufacture of wrapped boxes. 1,823,578; Sept. 15.
Adamson, Allan A., Rochester, N. Y., assignor, by mesne assignments, to Autokraft Box Corporation, Lima, Ohio. Cigar box. 1,827,724; Oct. 20.
Adamson, John E. (See Adamson, John E. and J. E.)
Adamson, John E. and J. E., Pomona, Calif. Orchard heater. 1,835,835; Dec. 8.
Adamson, Keith F., Vienna, Va. Vehicle. 1,802,366; Apr. 28.
Adamson, Lee H., Beverly Hills, Calif. Mechanical movement. 1,804,488; May 12.
Adamson Machine Company, The. (See Thweatt, Hardin D., assignor.)
Adamson, Percy, Rye, N. Y. Elastic yarn. 1,822,847; Sept. 8.
Adamson, Robert M., Los Angeles, Calif. Automatically controlled airplane. 1,805,750; May 19.
Adamtchik, Michael. (See Adamcikas, Mykas.)
Adartcraft, Inc. (See Sanders, Rudolph M., assignor.)
Adatte, Albert L., Bound Brook, N. J., assignor to Pathe Exchange, Inc., New York, N. Y. Perforated controlling means. 1,790,527; Jan. 27.
Adcock, George, Walnut Grove, Calif. Apparatus for packing asparagus. 1,832,889; Nov. 24.
Addems, William J. (See Fischer, H. G. M., and Addems.)
Addicks, Jacob C., Baltimore, Md., and W. E. Burgess, Rutherford, N. J., assignors to The Central Foundry Company, New York, N. Y. Pipe flask. 1,788,969; Jan. 13.
Addington, Charles G. (See Addington, William and C. G.)

Addington, William and C. G., Redwing, Colo. Adjustable headrest for morticians. 1,825,989; Oct. 6.
Addison, Edward C., Camden, N. J., and W. H. Hill, assignors to R. H. Beaumont Company, Philadelphia, Pa. Reversible double digging edge scraper. 1,806,551; May 19.
Addison, Herbert, Worthing, and W. B. Luard, Falmouth, England. Navigating instrument. 1,821,870; Sept. 1.
Additon, Forrest, Flowery Branch, Ga. Warning signal. 1,798,052; Mar. 24.
Addler, Joseph H., Brooklyn, N. Y., assignor to Pullclean Manufacturing Corporation, Bridgeport, Conn. Towel cabinet. 1,794,819; Mar. 3.
Addler, Joseph H., Brooklyn, N. Y., assignor to Pullclean Manufacturing Corporation, Bridgeport, Conn. Bundling towels preparatory for washing. 1,803,826; May 5.
Addler, Joseph H., Brooklyn, N. Y., assignor to Pullclean Manufacturing Corporation, Bridgeport, Conn. Towel cabinet. 1,817,471; Aug. 4.
Addler, Joseph H., Brooklyn, N. Y., assignor to Pullclean Manufacturing Corporation, Bridgeport, Conn. Towel bundling machine. 1,823,078; Sept. 15.
Addressograph Company. (See Anderson, Rupert, assignor.)
Addressograph Company. (See Anthony, Stanley, assignor.)
Addressograph Company. (See Bailey, James A., assignor.)
Addressograph Company. (See Colyer, Edwin C., assignor.)
Addressograph Company. (See Duncan, J. S., and Hubbard, assignors.)
Addressograph Company. (See Fassmann, Bruno, assignor.)
Addressograph Company. (See Gollwitzer, Walter T., assignor.)
Addressograph Company. (See Gollwitzer, W. T., and Hubbard, assignors.)
Addressograph Company. (See Griffin, Earl R., assignor.)
Addressograph Company. (See Hubbard, Henry E., assignor.)
Addressograph Company. (See Hubbard, H. E., and McCain, assignors.)
Addressograph Company. (See McCain, B. Z., and Thompson, assignors.)
Addressograph Company. (See Mohler, Valentine J., assignor.)
Addressograph Company. (See Oyen, Elmer A., assignor.)
Addressograph Company. (See Paschali, Jaques C., assignor.)
Addressograph Company. (See Schaefer, George W., assignor.)
Addressograph Company. (See Thompson, Herbert L., assignor.)
Ade, Anton, Munich, assignor to Direktor Arthur Ade, Walterhausen, Germany. Trailer coupling. 1,837,940; Dec. 22.
Ade Fabrik, Automatischer Schnellivaagen G. m. b. H. (See Fischer, Johann, assignor.)
Adell, John A., Orange, Mass. Bar hanger. 1,805,027; May 12.
Adelmann, Hans, New Rochelle, N. Y. Illuminating sign. 1,816,459; July 28.
Adelsperger, Charles C. and H. D. Fitzgerald, Union City, Ind., assignors to Union City Body Company. Theater chair. 1,823,418; Sept. 15.
Aderer, Julius, Inc. (See Kunde, Charles C., assignor.)
Adey, Horace W., London, England. Inductance coil. 1,826,642; Oct. 6.
Adjusta Company. (See Hirsh, Fred, assignor.)
Adkins, Herbert, Dania, Fla. Butterfly monoplane. 1,795,990; Mar. 10.
Adlake Company, The. (See Hamm, William S., assignor.)
Adlake Company, The. (See Keller, Walter E., assignor.)
Adlake Company, The. (See Larson, Carl H., assignor.)
Adlake Company, The. (See Levan, John F., assignor.)
Adlake Company, The. (See Sevison, Harry D., assignor.)
Adlake Company, The. (See Smith, Wilson A., assignor.)
Adleman, Martin M., Putnam, Conn. Electrical socket. 1,829,207; Oct. 27.
Adler, Alexander, Yonkers, N. Y. Lingerie pad. 1,816,714; July 28.
Adler, Benjamin. (See Bloomenthal, S., and Adler.)
Adler, Charles, jr., Baltimore, Md. Traffic signal facing. Des. 85,143; Sept. 22.
Adler, Charles, jr., assignor to The Adler Safety Control Company, Baltimore, Md. Traffic signal casing. Des. 84,725; July 28.
Adler, Charles, jr., assignor to The Adler Safety Control Company, Baltimore, Md. Combined head and casing for traffic signals. Des. 84,726; July 28.
Adler, Charles, jr., assignor to The Adler Safety Control Company, Baltimore, Md. Combined support and casing for traffic signals. Des. 84,727; July 28.
Adler, Charles, jr., assignor to The Adler Safety Control Company, Baltimore, Md. Automatic speed control mechanism for automobiles. 1,803,288; Apr. 28.
Adler, Charles, jr., assignor to The Adler Safety Control Company, Baltimore, Md. System for automatically controlling the speed of automobiles. 1,803,289; Apr. 28.
Adler, Charles, jr., assignor to The Adler Safety Control Company, Baltimore, Md. Trackless highway control system for automobiles. 1,803,290; Apr. 28.
Adler, Charles, jr., assignor to The Adler Safety Control Company, Baltimore, Md. Highway control mechanism for automobiles. 1,803,291; Apr. 28.
Adler, Charles, jr., assignor to The Adler Safety Control Company, Baltimore, Md. Automatic signal for automobiles. 1,803,292; Apr. 28.
Adler, Edward A., Schenectady, N. Y. Method of and apparatus for hydraulic prospecting. 1,823,965; Sept. 22.
Adler, Friedrich, Hamburg, Germany. Printing textile fabrics. 1,829,700; Oct. 27.
Adler, Jacob, assignor to Landis Machine Company, St. Louis, Mo. Shoe stapler structure. 1,808,027; June 2.
Adler, Jacob, and P. Doerseln, assignor to Silk City Metals Coating Company, Inc., Paterson, N. J. Textile roll. 1,810,636; June 16.
Adler, John B. (See O'Connor, J. B., and Adler.)
Adler, John B. (See Vance, W. N., O'Connor, and Adler.)
Adler, John B., assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill. Folding chair. 1,830,523; Nov. 3.
Adler, John B., and J. B. O'Connor, Aurora, and W. N. Vance, Chicago Heights, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Folding chair. 1,813,653; July 7.
Adler, Milton M. (See Reihlen, Hans, assignor.)
Adler, Robert, St. Paul, Minn. Insert for concrete roads and the like. 1,806,275; May 19.
Adler Safety Control Company, The. (See Adler, Charles, jr., assignor.)
Adler Underwear and Hosiery Company, The. (See Floyd, Elijah L., assignor.)
Adnet, Paul. (See Lescadieu, Paul, assignor.)
Adohr Stock Farms. (See Rosenberger, Maynard, assignor.)
Adrian, William M., Chicago, Ill. Lamp base. Des. 85,075; Sept. 15.
Adrian, William M., Chicago, Ill. Lamp base. Des. 85,144; Sept. 22.
Adrian, William M., Chicago, Ill. Combined standard and lamp base. Des. 85,145; Sept. 22.
Adsit, Charles G., Andrews Drive, Ga. Positive and negative power feeding system. 1,795,242; Mar. 3.
Adsit, Frank W., St. Paul, assignor of one-tenth to J. B. Skorstad, Minneapolis, Minn. Television device. 1,796,420; Mar. 17.
Adsit, Frank W., and T. W. Hicks, Minneapolis, Minn. Printing blanket for offset work. 1,804,139; May 5.
Adt, Albert W., et al. (See Zeun, Louis H., assignor.)
Adt, John B., et al. (See Zeun, Louis H., assignor.)
Advance Machine Company. (See Antoine, A. D., and Gebert, assignors.)
Advance Machine Company. (See Gebert, Albert E., assignor.)
Advance Pattern & Foundry Company. (See Burlin, Leslie H., assignor.)
Advance-Rumely Company. (See Mainland, John, assignor.)
Advance-Rumely Company. (See Paulsen, Thomas R., assignor.)
Advance Stamping Company. (See Nolan, Nicholas J., assignor.)
Aebi, Oscar, and R. Danichert, Murten, Switzerland. Memorandum device. 1,817,793; Aug. 4.
Aebly, Hans, Zurich, Switzerland. Producing impregnated irregular paving. 1,824,524; Sept. 22.
Aeg-Deutsche Werke Aktiengesellschaft. (See Baumgarten, R., and Hesselmann, assignors.)
Aeolian Company, The. (See Dickinson, Joseph H., assignor.)
Aeolian Company, The. (See Leet, Leslie N., assignor.)
Aeolian Company, The. (See Scherr, Emilius W., jr., assignor.)
Aeolian Company, The. (See Votey, Edwin S., assignor.)
Aeppler, Carl W., and L. Lawrence, Oconomowoc, Wis. Packaging device. 1,809,396; June 9.
Aerial Advertising Company. (See Finlay, Edgar G., assignor.)
Aerick, Calven, Los Angeles, Calif. Universal nursing stand. 1,820,420; Aug. 25.
Aerocrete Corporation of America, The. (See Billner, Karl P., assignor.)
Aerocrete Corporation of America, The. (See Bjorkman, Erik B., assignor.)
Aerocrete Corporation of America, The. (See Lindman, Emrik I., assignor.)
Aerol Engine Corporation. (See Hehr, Frederick G., assignor.)
Aeromarine Plane & Motor Company. (See Boland, Joseph J., assignor.)
Aeromarine Plane & Motor Company. (See Chilton, Roland, assignor.)
Aerometric Valve Corporation. (See Fox, R. M., and Smith, assignors.)
Aero Model Company, The. (See Schutte, Junius M., assignor.)
Aeronautical Devices Incorporated, Ltd. (See Bowers, Ora F., assignor.)
Aeroplane Hangar and Equipment Corporation. (See Adams, Lytle S., assignor.)
Aerovox Wireless Corporation. (See Cole, Samuel I., assignor.)
Aerovox Wireless Corporation. (See Georgiev, Alexander, assignor.)
Aetna Standard Engineering Company, The. (See Russell, George W., assignor.)

Affel, Herman A. (See Espenschied, L., and Affel.)
Affel, Herman A., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. System for communicating with moving vehicles. 1,803,453; May 5.
Affel, Herman A., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. System for communicating with moving vehicles. 1,803,454; May 5.
Affel, Herman A., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Carrier signaling system. 1,819,054; Aug. 18.
Affel, Herman A., Ridgewood, N. J., and A. Carpe, New York, N. Y., assignors to American Telephone and Telegraph Company. Control cross talk. 1,811,905; June 30.
Affel, Herman A., Ridgewood, and E. I. Green, East Orange, N. J., assignors to American Telephone and Telegraph Company. Concentric conductor system. 1,818,027; Aug. 11.
Agar, Calvin A., West Orange, N. J. Process and machine for making spacing members for shipping containers. 1,815,887; July 28.
Agar, John C., assignor to Swift & Company, Chicago, Ill. Handling meat. 1,817,541; Aug. 4.
Agar, John C., assignor to Swift and Company, Chicago, Ill. Treating food carcasses. 1,837,514; Dec. 22.
Agatz, Heinz, Berlin-Adlershof, Germany. Electric cigar-lighter. 1,810,065; June 16.
Agee, Alfred W., Ogden, Utah. Acoustic device. 1,820,107; Aug. 25.
Agee, George M., Des Moines, Iowa. Feed mixer. 1,804,386; May 12.
Agee, George M., Owensboro, Ky. Controlling flow of fluid under pressure. 1,829,818; Nov. 3.
Agfa Ansco Corporation. (See Bornmann, Carl, assignor.)
Agfa Ansco Corporation. (See Goldacker, Paul, assignor.)
Agfa Ansco Corporation. (See Goldhammer, L., assignor.)
Agfa Ansco Corporation. (See Goldhammer, Leo., assignor.)
Agfa Ansco Corporation. (See Hopkins, Philip S., assignor.)
Agfa Ansco Corporation. (See Liebeskind, Bernhard, assignor.)
Agfa Ansco Corporation. (See Lowkrantz, Gunne, assignor.)
Agfa Ansco Corporation. (See Lummerzheim, H., and Schnitzler, assignors.)
Agfa Ansco Corporation. (See Mauerhoff, Emil, assignor.)
Agfa Ansco Corporation. (See Prill, A., and Walter, assignors.)
Agfa Ansco Corporation. (See Raeck, Max, assignor.)
Agfa Ansco Cororation. (See Reddelien, G., and Müller, assignors.)
Agfa Ansco Corporation. (See Risdon, John J., assignor.)
Agfa Ansco Corporation. (See Schilling, Andreas, assignor.)
Agfa Ansco Corporation. (See Slocum, B. A., and Polhemus, assignors.)
Agfa Ansco Corporation. (See Vehl, P., and Schwitzler, assignors.)
Aglow, Harry, Philadelphia, Pa., assignor to Gill Glass & Fixture Company. Illuminating globe. Des. 83,384; Feb. 17.
Aglow, Harry, Philadelphia, Pa., assignor to Gill Glass & Fixture Company. Chandelier. Des. 83,940; Apr. 21.
Aglow, Harry, Philadelphia, Pa., assignor to Gill Glass & Fixture Company. Chandelier frame. Des. 84,126; May 12.
Aglow, Harry, assignor to Gill Glass & Fixture Company, Philadelphia, Pa. Shade or reflector. Des. 85,313; Oct. 13.
Agnew, George B. (See de Simone, Michele G., assignor.)
Agnew, Samuel E., Denver, Colo. Kitchen implement. 1,790,399; Jan. 27.
Agnew, William P., San Francisco, Calif. Combined gas saving and lubricating means. 1,812,231; June 30.
Agramonte, Albert, Camaguey, Cuba. Vehicle running gear. 1,820,108; Aug. 25.
Agrell, Gustaf A. M., Stocksund, Sweden. Game-scoring apparatus. 1,780,890; Jan. 20.
Agrimson, John J., County of Rushford, Minn. Cream cooler. 1,804,194; May 5.
Agueeff, Alexander A., Forest Hills, assignor to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake system for automotive vehicles. 1,835,740; Dec. 8.
Ahern, Patrick. (See Beecher, L. B., and Ahern.)
Ahern, William A., Worcester, Mass. Water heater. 1,807,951; June 2.
Ahl, Frank Z., Sacramento, Calif. Furnace construction. 1,810,457; June 16.
Ahlberg, Alfred, Indianapolis, Ind. Optical apparatus. 1,796,354; Mar. 17.
Ahlberg, Alfred, Indianapolis, Ind. Heating stove or furnace. 1,808,487; June 2.
Ahlberg, Curt F., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Impulse current repeater. 1,831,730; Nov. 10.
Ahlberg, Karl E., Culver City, Calif. Fluid pump. 1,797,491; Mar. 24.
Ahlene, Carl M., and H. V. Reed, assignors to The Borg & Beck Company, Chicago, Ill. Driven plate. 1,830,746; Nov. 10.
Ahlers, Robert H., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Electrical condenser. 1,796,855; Mar. 17.
Ahlin, John G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop motion. 1,817,119; Aug. 4.
Ahlin, John G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Device for locating fallen drop wires. 1,832,522; Nov. 17.
Ahlm, Charles E. F., assignor to Automotive Patent Holding Company, Cleveland, Ohio. Transmission-control mechanism. 1,787,968; Jan. 6.
Ahlm, Charles E. F., assignor to Automotive Patent Holding Company, Cleveland, Ohio. Transmission gearing. 1,813,376; July 7.
Ahlm, Charles E. F., Cleveland, and G. L. Elmslie, East Cleveland, assignors to Continuous Torque Transmission Company, Cleveland, Ohio. Motor vehicle mechanism. 1,824,975; Sept. 29.
Ahlquist, Eugene F., Minneapolis, Minn. Envelope. 1,793,203; Feb. 17.
Ahlquist, Gunnar, Minneapolis, Minn. Can-opening device. 1,793,040; Feb. 17.
Ahn, Josef M., New York, N. Y. Hanger for elongated articles. 1,817,600; Aug. 4.
Ahnger, Yrjö A., Crockett, Calif. Conveyer system. 1,813,130; July 7.
Ahola, William E., and N. O. Holmsten, New York, N. Y. Jack. 1,791,396; Feb. 3.
Ahrens, Robert S., St. Paul, Minn., assignor to Seeger Refrigerator Company. Adjustable refrigerator-unit hanger. 1,838,244; Dec. 29.
Aichelen, Karl. (See Jacobson, H., and Aichelen.)
Aicher, Gustav A., deceased; O. J. Aicher, executrix, San Francisco, Calif. Shook labeling machine. 1,809,262; June 9.
Aicher, Olga J., executrix. (See Aicher, Gustav A.)
Aiello, Anthony F., Brooklyn, N. Y. Wrist compact. 1,823,814; Sept. 15.
Aiello, Peter P., Shorewood, Wis. Italian smoking chair. 1,822,638; Sept. 8.
Aikman, Burton S., assignor of one-half to R. P. Tell, Milwaukee, Wis. Steering device. 1,817,903; Aug. 11.
Ailes, Adrian S., Chicago, Ill., assignor, by mesne assignments, to The Lake Erie Chemical Company, Cleveland, Ohio. Vault-protecting device. 1,791,995; Feb. 10.
Ailes, Adrian S., Chicago, Ill., assignor, by mesne assignments, to The Lake Erie Chemical Company, Cleveland, Ohio. Auxiliary locking mechanism. 1,791,996; Feb. 10.
Ailes, Adrian S., Chicago, Ill., assignor, by mesne assignments, to The Lake Erie Chemical Company, Cleveland, Ohio. Vault-protecting device. 1,797,747; Mar. 24.
Ailes, Adrian S., Chicago, Ill., assignor, by mesne assignments, to The Lake Erie Chemical Company, Cleveland, Ohio. Gas discharging device. 1,811,572; June 23.
Ailinger, Helen L., et al. (See McMullen, John, assignor.)
Aillaud, Louis, Plan De Cuques, near Marseilles, France. Machine for typewriting music. 1,827,451; Oct. 13.
Ailman, David E., Willows, Calif. Gauge protector. 1,828,093; Oct. 20.
Ainslie, Donald F., Bishop, Calif. Drawbar. 1,812,733; June 30.
Ainslie, Donald F., Bishop, Calif. Plow attachment. 1,815,539; July 21.
Ainslie, George, Portland, Oreg. Suturing instrument. 1,822,330; Sept. 8.
Ainslie, Morris D., Binghamton, N. Y., assignor to Doughnut Machine Corporation, New York, N. Y. Aliment forming device. 1,825,844; Oct. 6.
Ainsworth, Albert A., Ossining, N. Y. Filing system. 1,825,845; Oct. 6.
Ainsworth, Chester D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric wiring conduit. 1,794,750; Mar. 3.
Ainsworth, Chester D., Wollaston, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electric switch. 1,837,805; Dec. 22.
Ainsworth, Frank E., Tacoma, Wash. Curtain fixture. 1,801,477; Apr. 21.
Ainsworth Manufacturing Company. (See Potter, Albert T., assignor.)
Ainsworth Manufacturing Corporation. (See Kay, J. G., and Scheuring, assignors.)
Ainsworth, Thomas H., Schenectady, N. Y. Adjustable equalizer fulcrum device. 1,838,079; Dec. 29.
Ainsworth, William A. (See Smith, Harold W., assignor.)
Aircraft Control Corporation. (See Zelov, Victor I., assignor.)
Aircraft Specialties Company. (See Gunn, Charles H., assignor.)
Air Development Company. (See Shadle, Clinton F., assignor.)
Air-O-Matic Manufacturing Company. (See McMillan, James O., assignor.)
Air Preheater Corporation. (See Dow, H. H., and Cannon, assignors.)
Air Preheater Corporation, The. (See Riley, Robert S., assignor.)
Air Reduction Company. (See Anderson, James L., assignor.)
Air Reduction Company. (See Anderson, J. L., and Rogers, assignors.)

Air Reduction Company. (See Crowe, John J., assignor.)
Air Reduction Company. (See Georg, Walter, assignor.)
Air Reduction Company. (See Luening, Eugene G., assignor.)
Air Reduction Company. (See Miller, Bruce, assignor.)
Air Reduction Company. (See Van Nuys, C. C., and Schlitt, assignors.)
Air Reduction Sales Company. (See Lütger, Edward, assignor.)
Air Sealed Tire Corporation. (See Trautman, Ira., assignor.)
Air-Securite. (See Bichler, Charles H., assignor.)
Air-Way Electric Appliance Corporation. (See Gudka, Elmer E., assignor.)
Air-Way Electric Appliance Corporation. (See Meaus, Thomas H., assignor.)
Air Way Electric Appliance Corporation. (See Riebel, Frederick, jr., assignor.)
Air-Way Pump Company. (See Andreasen, Alfred C., assignor.)
Airways Patent Corporation. (See Adams, Lytle S., assignor.)
Aitchison, Peter, New Rochelle, assignor to American Bank Note Company, New York, N. Y. Printing machine. 1,789,420; Jan. 20.
Aitchison, Robert B. (See Carter, G. O., Aitchison, and Wall.)
Aitchison, William, Compton, Calif. Tile breaker. 1,828,796; Oct. 27.
Aitken, Allan A., Montreal, Quebec, Canada. Humidifier. 1,806,729; May 26.
Aitken, John M. (See Ruggles, Hiram C., assignor.)
Aitken, Samuel, East Orange, N. J., assignor to Drag Eliminator Company, Inc., New York, N. Y. Drag eliminator for ships. 1,827,806; Oct. 20.
Aitken, William J., Chicago, Ill., assignor, by mesne assignments, to National Parking Garages, Incorporated. Automobile handling and storing apparatus. 1,803,583; May 5.
Ajax, Erick J. (See Gratz, A. A., and Ajax.)
Ajax, Erick J., assignor to Dominion Electrical Manufacturing Company, Minneapolis, Minn. Reflector heater. Des. 84,389; June 16.
Ajax Electrothermic Corporation. (See Clamer, Guilliam H., assignor.)
Ajax Electrothermic Corporation. (See Northrup, Edwin F., assignor.)
Ajax Electrothermic Corporation. (See Taylor, George E., assignor.)
Ajax Electrothermic Corporation. (See Willcox, Dudley, assignor.)
Ajax Hosiery Mills. (See Hoffmann, Henry W., assignor.)
Ajax Manufacturing Company, The. (See Criley, William W., assignor.)
Ajouelo, Davis J., Atlanta, Ga. Hand nailing implement. 1,817,224; Aug. 4.
Ake, Decker R. (See Johnston, E. A., Baker, and Ake.)
Aker, Leonard, Atherton, assignor to The Recorder Printing and Publishing Co., San Francisco, Calif. Calendar. 1,810,153; June 16.
Akerberg, Carl G. (See Krug, W. H., and Akerberg.)
Akerlow, Gustav W., Aurora, assignor to Kellman Sycamore Company, Sycamore, Ill. Heating system for ironing machines. 1,819,534; Aug. 18.
Akers, Charles W., Nashville, Tenn. Floor tile. 1,828,237; Oct. 20.
Akesson, Ingrid E., Boston, Mass. Sanitary shield for toilet seats. 1,830,344. Nov. 3.
Akin, Robert M., et al. (See Fleck, Philip H., assignor.)
Akines, Benjamin, Jackson, Miss. Clock case. Des. 85,507; Nov. 10.
Akins, Clifford M., Minneapolis, assignor to Marquette Manufacturing Co., St. Paul, Minn. Tow-pole construction. 1,790,216; Jan. 27.
Akins, Floyd H. (See Henri, R., and Akins.)
Akron Equipment Company, The. (See Schmidt, Richard J., assignor.)
Akron Rubber Mold & Machine Co. (See Sethman, Retus W., assignor.)
Akron Standard Mold Company, The. (See Bostwick, Henry C., assignor.)
Akron Standard Mold Company, The. (See Fletter, Andrew J., assignor.)
Akron Standard Mold Company, The. (See Hudson, Charles B., assignor.)
Aktiebolaget Absorbator. (See Reehsing, Friedrich W. H., assignor.)
Aktiebolaget Atmos et al. (See Blomquist, Johan V., assignor.)
Aktiebolaget Baltic. (See Risberg, Johannes V. M., assignor.)
Aktiebolaget Birka Regulator. (See Appelberg, Axel O., assignor.)
Aktiebolaget Carba. (See Tandberg, John G., assignor.)
Aktiebolaget Elektrisk Malmeetning. (See Sundberg, K., and Lindblom, assignors.)
Aktiebolaget Formator. (See Rothelius, Carl G. B., assignor.)
Aktiebolaget Formator. (See Wehmann, F. W., and Dahlström, assignors.)
Aktiebolaget Gotaverken. (See Johansson, Johan E., assignor.)
Aktiebolaget Karlstads Mekaniska Werkstad. (See Wagner, R. E., and Ullgren, assignors.)
Aktiebolaget Ljungstroms Angturbin. (See Eriksson, E. O., and Nordgren, assignors.)
Aktiebolaget Ljungströms Angturbin. (See Lysholm, A., and Cederstrand, assignors.)
Aktiebolaget Ljungströms Angturbin. (See Lysholm, A., and Strindlund, assignors.)
Aktiebolaget Ljungströms Angturbin. (See Zander, Henrik, assignor.)
Aktiebolaget Malcus Holmquist. (See Bladh, S. G., and Brofelth, assignors.)
Aktiebolaget Menitor. (See Rudeberg, Arvid, assignor.)
Aktiebolaget Nordiska Armaturfabrikerna. (See Hysing, Erik G., assignor.)
Aktiebolaget Nordiska Armaturfabrikerna. (See Nathorst, Harry J. H., assignor.)
Aktiebolaget Nordiska Armaturfabrikerna. (See Weibull, Ernst H. W., assignor.)
Aktiebolaget Nordiska Armaturfabrikerna. (See Weibull, E. H. W., and Hysing, assignors.)
Aktiebolaget Per Perssons Vaf-och Stickmaskin. (See Berner, Nils A., assignor.)
Aktiebolaget Rapidografi. (See Nordlander, Axel W., assignor.)
Aktiebolaget Superior. (See Höglund, Thure G., assignor.)
Aktiebolaget Superior. (See Westerberg, C. A. A., and Höglund, assignors.)
Aktiebolaget Svenska Kullagerfabriken. (See Palmgren, Per G., assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Törnebohm, Hilding V., assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Von Zweigbergk, Adolf S. O., assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Wistrand, Gunnar, assignor.)
Aktiebolaget Svenska Spiralfabriken. (See Fries, Joel S., assignor.)
Aktiebolaget Svenska Stotdarnparefabriken. (See Everstam, Johan G., assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Angerstein, Ferdinand, assignor.)
Aktiengesellschaft Brown, Boveri and Cie. (See Baumann, Adolf, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Boll, Georg, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Brown, Eric, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Brown, E., and de Freudenreich, assignors.)
Aktiengesellschaft Brown, Boveri and Cie. (See Dallenbach, Walter, assignor.)
Aktiengesellschaft Brown, Boveri and Cie. (See Frey, Karl, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Frey, Ernst H., assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Frey, K., and Meyer, assignors.)
Aktiengesellschaft Brown Boveri & Cie. (See Gaudenzi, Arthur, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Haller, Arnold, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Haller, A., and Rump, assignors.)
Aktiengesellschaft Brown Boveri & Cie. (See Jonas, Julius, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Jungblut, Ferdinand, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Keller, Gottlieb, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Keller, Robert, assignor.)
Aktiengesellschaft Brown, Boveri and Cie. (See Kern, Erwin, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Kobel, Ernst, assignor.)
Aktiengesellschaft Brown, Boveri and Cie. (See Kübler, Johannes, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Landsmann, Kurt, assignor.)
Aktiengesellschaft Brown, Boveri and Cie. (See Meyer, Adolf, assignor.)
Aktiengesellschaft Brown, Boveri and Cie. (See Meyer-Berg, H., and Keller, assignors.)
Aktiengesellschaft Brown, Boveri and Cie. (See Meyer-Delius, Heinrich, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Meyerhans, August, assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Noack, Walter G., assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Noack, W. G., and Meyer, assignors.)
Aktiengesellschaft Brown Boveri & Cie. (See Roebel, Ludwig, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Sauter, Erwin, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Schärli, Rudolf, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Schorno, Arthur, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Seitz, Oskar, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Sieber, Fritz, assignor.)

Aktiengesellschaft Brown, Boveri and Cie. (See Stoecklin, Josef, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Suter, Philipp, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Tanner, Heinrich, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See von Forster, H., and Lay, assignors.)
Aktiengesellschaft Brown Boveri & Cie. (See Walty, Werner, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Weber, Paul, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Wichert, Alfred, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Zingg, Oscar, assignor.)
Aktiengesellschaft fur Tiefbohrtechnik und Maschinenbau vormals Trauzl Co. (See Schmidt, Adam, assignor.)
Aktiengesellschaft Mix & Genest, Telephon- und Telegraphen-Werke. (See Gergacsevics, O., and Lohaus, assignors.)
Aktinson, Fenlon Co. (See Kahrmann, Robert C., assignor.)
Al, Jan, Amsterdam, assignor to Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Absorption of carbon dioxide from gases and vapors. 1,831,731; Nov. 10.
Al, Jan, and F. R. Moser, Amsterdam, assignors to Naamlooze Vennootschap De Bataafoche Petroleum Maatschappij, The Hague, Netherlands. Desulphurization of gases and vapors. 1,819,055; Aug. 18.
Aladdin Iron Works, Inc. (See Goldsmith, Irving, assignor.)
Alaj, Antoine L., Chicago, Ill. Electric percolator. 1,838,206; Dec. 29.
Alaj, Antoine L., Chicago, Ill., assignor to The Thermo Service Co., Inc. Combination dish and cover. 1,793,298; Feb. 17.
Alaj, Antoine L., Chicago, Ill., assignor to The Thermo Service Co., Inc. Food-protecting device. 1,793,299; Feb. 17.
Alamo Iron Works. (See Holmgreen, Julius H., assignor.)
Alan Wood Steel Company. (See Jones, J. Raymond, assignor.)
Aland, Florenz O. (See Aland, Thomas V. and F. O.)
Aland, Richard C., assignor to W. E. Baker, and G. A. Frantz, trustees of The Web Engineering Company, Cleveland, Ohio. Separator. 1,825,990; Oct. 6.
Aland, Thomas V., and F. O., West View Borough, Allegheny county, Pa. Window seat. 1,829,324; Oct. 27.
Alaska Packers Association. (See Clark, Frederick, assignor.)
Alaston, James F. (See Taylor, Hal, assignor.)
Alba Corporation, The. (See Mayer, Waldemar F., assignor.)
Albanesé, Giuseppe S., Paris, France. Coffeepot. 1,822,238; Sept. 8.
Albany Hardware Specialty Manufacturing Company. (See Whitcomb, Harris M., assignor.)
Albany, John, Boston, Mass. Flowerpot scrubbing machine. 1,837,389; Dec. 22.
Albers, Gerhard H. (See Albers, John R. and G. H.)
Albers, Heinrich, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Valve gear. 1,836,740; Dec. 15.
Albers, John R. and G. H., Cherokee, Iowa. Air foil lift control. 1,815,489; July 21.
Albert, August, Munich, Germany, assignor to Winthrop Chemical Company, New York, N. Y. Process for producing an arsenobenzene and the product thereof. 1,821,919; Sept. 8.
Albert, August, Munich, and J. Pfleger, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, New York, N. Y. Organic mercury compound. 1,815,604; July 21.
Albert, Carl P., assignor to Greene Manufacturing Company, Racine, Wis. Trunk locking device. 1,827,060; Oct. 13.
Albert, Clifford E., Cincinnati, Ohio, assignor to The United States Playing Card Company, Norwood, Ohio. Display carton. 1,791,094; Feb. 3.
Albert, Edward J., assignor to Thwing Instrument Company, Philadelphia, Pa. Driving mechanism for recording apparatus. 1,829,466; Oct. 27.
Albert, Max, et al. (See Wilhelm, John, assignor.)
Albert, Paul L. G., Aulnay-Sous Bois, France, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Fluid heater. 1,814,423; July 14.
Albert, Ruth F., New York, N. Y. Garment. 1,820,293; Aug. 25.
Alberta, Governers of the University of, The. (See Clark, Karl A., assignor.)
Alberti, Charles E., Chicago, Ill. Visionograph record and making the same. 1,807,270; May 26.
Albertine, Herman, Rutherford, N. J. High power pedal-operated grease gun. 1,804,731; May 12.
Albertine, Herman, East Rutherford, N. J., assignor to Rogers Products Company, Inc. Lifting jack. 1,812,577; June 30.
Albertine, Herman, Rutherford, N. J., assignor to Rogers Products Company, Inc. Grease gun control mechanism. 1,812,643; June 30.
Albertine, Herman, East Rutherford, N. J., assignor, by mesne assignments, to Rogers Products Co., Inc. Lubricating system. 1,820,109; Aug. 25.
Albertoli, John E., San Francisco, Calif. Distributing system for objects. 1,802,546; Apr. 28.
Albertoli, John E., San Francisco, Calif. Distributing system for objects. 1,815,029; July 21.
Albertson & Company. (See Albertson, F. O., and Olsen, assignors.)
Albertson & Company, Inc. (See Albertson, Frans O., assignor.)
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Valve seat reconstruction tool. 1,806,189; May 19.
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Valve seat reconstruction tool. 1,837,390; Dec. 22.
Albertson, Frans O., and G. Olsen, assignors to Albertson & Company, Inc., Sioux City, Iowa. Abrasive disk. 1,811,037; June 23.
Albertson, Luther D., assignor of one-fourth to J. W. Davidson, one-fourth to E. Beanblossom, one-fourth to A. Stover, one-sixteenth to G. C. Simler, three-thirty-seconds to O. W. Hottel, and three-thirty-seconds to C. W. Miles, Corydon, Ind. Grass trimmer. 1,810,587; June 16.
Albertson, Luther D., assignor of one-fourth to J. W. Davidson, one-fourth to E. Beanblossom, one-fourth to A. Stover, one-sixteenth to G. C. Simler, three-thirty-seconds to O. W. Hottel, and three-thirty-seconds to C. W. Miles, Corydon, Ind. Grass trimmer. 1,815,817; July 21.
Albertson, William E., assignor of one-half to M. D. Moody, Jacksonville, Fla. Safety device for gas engines. 1,820,779; Sept. 1.
Alborn, Frank G., assignor to The White Motor Company, Cleveland, Ohio. Wheel and pulley attaching construction. 1,790,737; Feb. 3.
Alborn, Frank G., and E. H. Savage, assignors to The White Motor Company, Cleveland, Ohio. Tire carrier. 1,797,222; Mar. 24.
Albrecht, Eduard. (See Herz, R., Runne, and Albrecht.)
Albrecht, John, Kewaunee, Wis. Multiple hinge construction. 1,834,039; Dec. 1.
Albrecht, Karl, assignor to Maschinenfabrik Johannisberg G. m. b. H., Geisenheim-on-the-Rhine, Germany. Bearing for the cylinder of printing machines. 1,808,126; June 2.
Albrecht, Karl, assignor to Maschinenfabrik Johannisberg, G. m. b. H., Geisenheim-on-the-Rhine, Germany. Intaglio printing machine. 1,809,466; June 9.
Albrecht, Karl, assignor to Maschinenfabrik Johannisberg Gesellschaft mit beschränkter Haftung, Geisenheim-on-the-Rhine, Germany. Apparatus for applying etched tubes in intaglio printing machines. 1,835,836; Dec. 8.
Albright, Edward C., assignor to Indiana Lamp Corporation, Connersville, Ind. Side-lamp socket and bracket. 1,790,567; Jan. 27.
Albright, H. Nelson, et al, executors. (See Zifferer, Lothar R.)
Albright, John J., jr., Hamburg, N. Y. Instrument for measuring or comparing the tension of wires and cables. 1,833,195; Nov. 24.
Albritton, Dez, Spokane, Wash. Memorandum paper holder or similar article. Des. 84,067; May 5.
Albury, Robert C. (See Michell, W. D., and Albury.)
Alby, Barney, Waterford, Wis. Treatment of shore lines. 1,801,652; Apr. 21.
Alca Clothes Dryer Manufacturing Company. (See Anzalone, Joseph, assignor.)
Alcalá, Victoriano, Elota, Mexico. Motor device. 1,814,779; July 14.
Alcet Electro Products Corporation. (See Beck, Charles W., assignor.)
Alcet Electro-Products Corporation. (See Lund, Arthur D., assignor.)
Alco Products Incorporated. (See Jacocks, George T., assignor.)
Alcoriza, Sofronio B., Stockton, Calif. Auxiliary air intake for internal-combustion-engine intake manifolds. 1,792,959; Feb. 17.
Alcorn, Thomas E. (See Walsh, James F., and Alcorn.)
Aldeborgh, Erik H., and C. E. Ruf, Poughkeepsie, N. Y., assignor to Standard Gage Company, Inc. Dial gauge. 1,820,370; Aug. 25.
Aldeen, Gedor W., assignor to National Lock Co., Rockford, Ill. Peg. 1,789,126; Jan. 13.
Aldeen, Gedor W., assignor to National Lock Co., Rockford, Ill. Latch. 1,811,449; June 23.
Aldeen, Gedor W., assignor to National Lock Co., Rockford, Ill. Sash pulley. 1,819,315; Aug. 18.
Aldeen, Gedor W., assignor to American Cabinet Hardware Corp., Rockford, Ill. Hinge. 1,831,988; Nov. 17.
Aldeen, Gedor W., assignor to American Cabinet Hardware Corporation, Rockford, Ill. Hinge support. 1,838,351; Dec. 29.
Aldeen, Reuben A., assignor to American Cabinet Hardware Corporation, Rockford, Ill. Hinge. 1,838,898; Dec. 29.
Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Motor vehicle. 1,794,099; Feb. 24.
Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Truck. 1,799,943; Apr. 7.

Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Motor vehicle. 1,811,837; June 30.
Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Change speed driving axle construction. 1,829,725; Nov. 3.
Alden, Herbert W., and N. R. Brownyer, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Car truck. 1,803,584; May 5.
Alden, John L., La Grange, Ill., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Core covering apparatus. 1,804,911; May 12.
Alden, John L., Wyncote, Pa., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Flexible conductor. 1,804,732; May 12.
Alden, Milton, Springfield, Mass., assignor, by mesne assignments, to Radio Inventions, Inc., New York, N. Y. Electrical connecter. 1,788,354; Jan. 6.
Alden, Milton, Springfield, Mass., assignor, by mesne assignments, to Radio Inventions, Inc. Contact terminal for vacuum tubes. 1,797,184; Mar. 17.
Alden, Milton, Springfield, Mass., assignor, by mesne assignments, to Radio Inventions, Inc. Tuning mechanism for radio receptions, etc. 1,832,175; Nov. 17.
Alden, Reginald J., Springfield, Mass. Cartridge. Re18,252; Nov. 17.
Alden Speare's Sons Co., The. (See Howe, William C., assignor.)
Alderfer, Sterling W., assignor to The Garl Signal Company, Akron, Ohio. Noninterfering alarm box. 1,803,277; Apr. 28.
Alderson, William, Sacramento, Calif. Vertically-folding door. 1,788,651; Jan. 13.
Aldis, Arthur C. W., Birmingham, England. Apparatus for use in connection with photographic aerial surveys. 1,833,548; Nov. 24.
Aldobilt Company. (See Harrington, Clinton O., assignor.)
Aldrich, Alonzo, Beloit, Wis. Fourdrinier paper machine. 1,790,082; Jan. 27.
Aldrich, Alonzo, and E. E. Berry, assignors to Beloit Iron Works, Beloit, Wis. Paper making machine. 1,818,777; Aug. 11.
Aldrich, Benjamin F., assignor of one-half to E. M. Carey, Milwaukee, Wis. Wing control for aircraft. 1,806,927; May 26.
Aldrich, Harold W., and W. G. Scott, Inspiration, Ariz., assignors to Inspiration Consolidated Copper Company, New York, N. Y. Ore distributing. 1,798,715; Mar. 31.
Aldrich, John P., and H. A. Morris, assignors to The Automat Molding & Folding Company, Toledo, Ohio. Package-wrapping machine. 1,791,153; Feb. 3.
Aldrich, John P., and H. A. Morris, assignors to The Automat Molding & Folding Company, Toledo, Ohio. Dual wrapping and packaging machine. 1,791,154; Feb. 3.
Aldrich, John P., and H. A. Morris, assignors to The Automat Molding & Folding Company, Toledo, Ohio. Sheet feeding and imprinting mechanism. 1,791,155; Feb. 3.
Aldrich, John P., and H. A. Morris, assignors to The Automat Molding & Folding Company, Toledo, Ohio. Mechanism for feeding and severing sheets. 1,792,474; Feb. 17.
Aldrich, John P., and H. A. Morris, assignors to The Automat Molding & Folding Company, Toledo, Ohio. Sheet feeding and moistening device. 1,796,821; Mar. 17.
Aldrich, John P., and H. A. Morris, assignors to The Automat Molding & Folding Company, Toledo, Ohio. Adjustable sheet feeding and severing mechanism for wrapping machines. 1,833,011; Nov. 24.
Aldridge, Clarence J. (See Schleich, N., and Aldridge.)
Alemite Corporation. (See Butler, Clyde G., assignor.)
Alemite Corporation. (See Craib, James S., assignor.)
Alemite Corporation. (See Davis, Ernest W., assignor.)
Alemite Corporation. (See Fesler, Douglas F., assignor.)
Alemite Corporation. (See Hanson, Christian A., assignor.)
Alemite Corporation. (See Herb, Otto J., assignor.)
Alemite Corporation. (See Moore, George L., assignor.)
Alemite Corporation. (See Morangier, Georges C., assignor.)
Alemite Corporation. (See Morse, Normand W., assignor.)
Alemite Corporation. (See Murphy, Howard J., assignor.)
Alemite Corporation. (See Peck, Don C., assignor.)
Alemite Corporation. (See Pierce, Earl F., assignor.)
Alemite Corporation. (See Pierce, Walter H., assignor.)
Alemite Corporation. (See Reader, Allan W., assignor.)
Alemite Corporation. (See Thomas, George F., assignor.)
Alemite Corporation. (See Zerk, Oscar, assignor.)
Alemite Corporation. (See Zerk, Oscar U., assignor.)
Alemite Die Casting & Mfg Co. (See Gullborg, John S., assignor.)
Alert Electric Door Control Co. (See Trimble, Curtis R., assignor.)
Aletter, Henry G., College Point, N. Y. Electric plug. 1,802,230; Apr. 21.
Alewel, Louis, St. Louis, Mo. Safety shade and rollers therefor. 1,796,426; Mar. 17.
Alex. Friedmann, The Firm. (See Nemetz, Gustav, assignor.)
Alexander, Arthur E., Ottawa, Ontario, Canada. Railroad crossing gate. 1,836,831; Dec. 15.
Alexander, Clive M., Tulsa, Okla. Gas and liquid contact apparatus. 1,796,135; Mar. 10.
Alexander, Earl C., Glen Ellyn, assignor to Massey Concrete Products Corporation, Chicago, Ill. Crossing slab. 1,832,803; Nov. 17.
Alexander, Earl S., Irvington, assignor, by mesne assignments, to Vacuum Specialties Corporation, Jersey City, N. J. Air vent for radiators. 1,793,458; Feb. 24.
Alexander, Egbert, San Francisco, C. S. Dutton, and G. H. Derrick, deceased, Oakland, Calif., V. A. Derrick, executrix, assignors, by mesne assignments, to Instograph, Ltd. Stamping device. 1,801,832; Apr. 21.
Alexander, Frederick W., assignor of a half share to Lewis & Tylor Limited, Cardiff, Wales. Fabric belting. 1,815,879; July 21.
Alexander, George W., Brooten, Minn. Shower-bath shield. 1,791,696; Feb. 10.
Alexander, Gus P., Jackson, Mich. Humidor rack. 1,836,892; Dec. 15.
Alexander, Harry S., and F. B. Pfeiffer, Akron, and J. W. White, Barberton, Ohio, assignors to Seiberling Rubber Company. Method of and apparatus for separating sheet materials. 1,815,020; July 14.
Alexander, John C., Cold Spring, assignor to Cold Spring Granite Co. Inc., Cold Spring, Minn. Splitting stone. 1,797,748; Mar. 24.
Alexander, John E., et al. (See White, Alfred H., assignor.)
Alexander, John R., Paris, Tex. Flashlight holder. 1,807,501; May 26.
Alexander, Julian D., and A. W. Mooney, Colorado Springs, Colo. Convertible aircraft inclosure. 1,790,785; Feb. 3.
Alexander, Lowell M. (See Sperti, G., and Alexander.)
Alexander, Margo R., Chicago, Ill. Brassière. 1,822,872; Sept. 15.
Alexander, Peter P., Marblehead, Mass., assignor to General Electric Company. Atomic gas torch. 1,834,991; Dec. 8.
Alexander, Peter P., Marblehead, Mass., assignor to General Electric Company. Uniting metal parts. 1,839,185; Dec. 29.
Alexander, Robert E., Springfield, Pa. Skirt holder. 1,806,601; May 26.
Alexander, Robert L., and H. W. Wishart, assignors to Climax Engineering Co., Clinton, Iowa. Soda fountain refrigerator installation. 1,801,536; Apr. 21.
Alexander, Tilmon C., Long Beach, assignor to John W. MacClatchie, doing business as MacClatchie Manufacturing Company, Compton, Calif. Cylinder head. 1,838,080; Dec. 29.
Alexander, William A., West Roxbury, assignor to Earnshaw Knitting Company, Newton, Mass. Infant's band. 1,792,563; Feb. 17.
Alexander, William J. (See Hazlett, R. R., and Alexander.)
Alexander, William O., Pawhuska, Okla. Demountable tire rim. 1,815,818; July 21.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Radio signaling system. 1,790,646; Feb. 3.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Transmission of pictures. 1,792,264; Feb. 10.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Transmission of pictures. 1,830,586; Nov. 3.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Radio signaling system. 1,797,039; Mar. 17.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. System of distribution. 1,800,002; Apr. 7.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Radio signaling system. 1,814,813; July 14.
Alexanderson, Ernest F. W., Schenectady, N. Y., assignor to General Electric Company. System of distribution. 1,835,131; Dec. 8.
Alexanderson, Ernst F. W., Schenectady, and R. H. Ranger, Brooklyn, N. Y., assignors to Radio Corporation of America. Method and apparatus for picture transmission by wire or radio. 1,787,851; Jan. 6.
Alexeeff, Nicolai. (See Petroff, Grigori, assignor.)
Alexovits, Thomas M., Bayonne, N. J., assignor to John E. Greenawalt, New York, N. Y. Charge car for sintering apparatus. 1,806,438; May 19.
Alfaro, Heraclio, East Cleveland, Ohio. Aeroplane. 1,810,693; June 16.
Alfaro, Heraclio, East Cleveland, Ohio. Aeroplane construction. 1,827,181; Oct. 13.
Alfaro, Heraclio, East Cleveland, Ohio. Aeroplane. 1,827,276; Oct. 13.
Alfaro, Heraclio, East Cleveland, Ohio. Aeroplane. 1,837,186; Dec. 22.
Alfonte, Robert B. (See Chamness, O. L., Alfonte, and Philpott.)
Alford, Frank R., Bristol, Conn., assignor to Atlas-Tack Corporation, Fairhaven, Mass. Rivet setting machine. 1,832,681; Nov. 17.
Alford, William C. (See Cassetty, W. M., jr., Ross, and Alford.)
Alfred, Floyd L., and L. E. Pritz, Winfield, Kans. Mechanism for hydraulic brakes. 1,795,818; Mar. 10.
Alfred, Frank H. (See Chipman, Paul, assignor.)

Alfred Teves Maschinen-und Armaturen-Fabrik Gesellschaft mit beschrankter Haftung. (See Stern, Nathan, assignor.)
Alfred, Theodore, C., Lancaster, Ohio. Hammer mill. 1,829,325; Oct. 27.
Alfreds, Torris H., Park Ridge, assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,803,685; May 5.
Algemeene Kunstzijde unie N. V. (See Vles, S. I., and de Hoop, assignors.)
Algeo, Albert M., Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Jar closure. 1,812,673; June 30.
Algeo, Albert M., G. R. Haub, and J. W. Ross, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Transfer apparatus. 1,827,553; Oct. 13.
Algeo, Albert M., and J. W. Ross, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Control mechanism for glass feeders. 1,816,275; July 28.
Alger, Harley C., and P. A. Frazier, assignors to R. R. Donnelley & Sons Company, Chicago, Ill. Binding books. 1,804,392; May 12.
Alger, John A., Mantua, Ohio. Chain and sprocket construction. 1,790,297; Jan. 27.
Alger, John A., Mantua, Ohio. Conveyer. 1,809,662; June 9.
Alger, Philip L., Schenectady, N. Y., assignor to General Electric Company. Winding for dynamo electric machines. 1,839,078; Dec. 29.
Alig, Delos A. (See Chambers, Alexander, assignor.)
Alig, Leo, Dayton, Ohio. Mechanical movement. 1,810,154; June 16.
Alinder, Henry, and G. B. Shipley, Pittsburgh, Pa., assignors, by mesne assignments, to The International Nickel Company, Inc., New York, N. Y. Annealing furnace. 1,825,380; Sept. 29.
Alink, Benjamin F., Spring Valley, Minn. Quack-grass rake. 1,801,131; Apr. 14.
Alink, Benjamin F., Spring Valley, Minn. Cradle or bed construction. 1,801,185; Apr. 14.
Aljac Art Metal Products Corporation. (See Cricchio, Paul, assignor.)
Alkan, Milton. (See Shulman, G., and Alkan.)
Alke, Stephen, New Richmond, Ohio. Tool for applying wire-tightening clips. 1,789,891; Jan. 20.
Alkire, Albert H., Des Moines, Iowa. Actuating the electric starters of automobiles and concurrently retarding the ignition sparks in the engines thereof. 1,817,472; Aug. 4.
All American Service. (See Speegle, Louis E., assignor.)
Allan, Archibald, Tynemouth, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric coupling. 1,800,128; Apr. 7.
Allan, Archibald, Tynemouth, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric circuit-breaker. 1,821,414; Sept. 1.
Allan, Archibald, Tynemouth, and J. Mirrey, East Boldon, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric switch gear. 1,800,042; Apr. 7.
Allan, Edward T., assignor to The Union Thread Company, Cincinnati, Ohio. Thread package. 1,826,491; Oct. 6.
Allan, Fred D. (See Dorathy, V. A., and Allan.)
Allan, James S. (See Pearmain, W. J., and Allan.)
Allan, John E., and S. B. Freeman, Birkenhead, England. Method of and apparatus for manufacturing insulated electric cables. 1,825,570; Sept. 29.
Allan, John E., Prenton, Birkenhead, S. B. Freeman, Birkenhead, and W. P. Watkins, London, assignors to J. Stone & Company Limited, Deptford, England. Pneumatic power door-operating installation. 1,835,686; Dec. 8.
Allan, Ronald S., Los Angeles, Calif. Noncorrodible faucet. 1,805,537; May 19.
Alland, Maurice, Atlantic City, N. J. Multicolor siphon ink-making desk stand. 1,794,132; Feb. 24.
Alland, Maurice, Atlantic City, N. J. Combined cigarette dispenser and lighter. 1,796,136; Mar. 10.
Alland, Maurice, Atlantic City, N. J. Soap dispenser. 1,803,827; May 5.
Alland, Maurice, Atlantic City, N. J. Soap dispenser. 1,803,828; May 5.
Alland, Maurice, Atlantic City, N. J. Thimble. 1,806,730; May 26.
Alland, Maurice, Atlantic City, N. J. Indicator for cameras. 1,820,421; Aug. 25.
Alland, Maurice, Atlantic City, N. J. Razor. 1,822,864; Sept. 8.
Alland, Maurice, Atlantic City, N. J. Coin container and dispenser. 1,823,227; Sept. 15.
Alland, Maurice, Atlantic City, N. J. Cigarette dispenser and lighter with detachable support. 1,827,501; Oct. 13.
Alland, Maurice, Atlantic City, N. J. Combined valve and mixing device. 1,827,502; Oct. 13.
Alland, Maurice, Atlantic City, N. J. Garment supporter. 1,831,618; Nov. 10.
Alland, Maurice, Atlantic City, N. J. Demountable drain strainer. 1,835,447; Dec. 8.
Alland, Maurice, Atlantic City, N. J. Container closure. 1,835,448; Dec. 8.
Allard, Everette E., and C. R. Berry, Highland Park, Mich. Door operating mechanism. 1,824,109; Sept. 22.
Allardice, Thomas B., Mountain Lakes, N. J. Water heater. 1,797,749; Mar. 24.
Allardt, Hans G. (See Schoeller, W., and Allardt.)
Allatt, Mervin. (See Allatt, Thomas and M.)
Allatt, Thomas and M., Summit, N. J. Apparatus for centering and marking spherical objects. 1,789,892; Jan. 20.
Allbestos Corporation. (See Grainger, Chester A., assignor.)
Allbright, William B., Chicago, Ill. Semicontinuous dry-rendering and meal-manufacturing processes. 1,791,439; Feb. 3.
Allbright-Nell Company, The. (See Ozouf, Arthur E., assignor.)
Allbright-Nell Company, The. (See Reynoldson, R. G., assignor.)
Allbright-Nell Co., The. (See Taylor, William H., assignor.)
Allcock, Harold J. (See Beckinsale, S., and Allcock.)
Alldredge, Andrew B., Sweetwater, Tex. Cooling and ventilating apparatus. 1,810,410; June 16.
Alldredge, Francis B., assignor of one-fifth to Bair, Freeman & Sinclair, Des Moines, Iowa. Open flow bailer valve. 1,833,701; Nov. 24.
Alleas, Jean, East Boston, Mass. Fuel economizer for internal combustion engines. 1,830,867; Nov. 10.
Allebach, August S., North Wales, Pa. Abdominal supporter. 1,828,015; Oct. 20.
Allee, Herbert D., Sandwich, Ontario, Canada. Generator for motor boats or the like. 1,831,835; Nov. 17.
Allegheny Steel Company. (See Detwiler, William F., assignor.)
Allegheny Steel Company. (See Winder, Frank J., assignor.)
Alleman, Gellert, Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Manufacturing color lakes from petroleum. 1,818,778; Aug. 11.
Alleman, Gellert, Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Colored gasoline. 1,824,977; Sept. 29.
Alleman, Gellert, Wallingford, assignor to Sun Oil Company, Philadelphia, Pa. Preparation of colloidal metal. 1,805,199; May 12.
Allen, Albert. (See Webb, S. W., Callan, and Allen.)
Allen, Albert, Winchester, assignor to Atlantic Precision Instrument Company, Boston, Mass. Measuring characteristics of material. 1,824,745; Sept. 22.
Allen, Albert, Winchester, assignor to Atlantic Precision Instrument Company, Boston, Mass. Measuring mechanism. 1,824,746; Sept. 22.
Allen, Albert, Winchester, and J. G. Callan, Cambridge, assignors to Atlantic Precision Instrument Company, Boston, Mass. Apparatus for controlling moisture content of paper or the like. 1,805,474; May 19.
Allen, Albert E. (See Johnstone, J., and Allen.)
Allen, Albert M., St. Louis County, Mo. Nasal inhaler. 1,818,028; Aug. 11.
Allen, Albert S., Yonkers, assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Decorative material and making same. 1,802,547; Apr. 28.
Allen, Alfred C., Washington, D. C. Foldable note pad holder for stenotype operators. 1,808,942; June 9.
Allen & Allen. (See Phillips, Frederick E., assignor.)
Allen & Allen. (See Sperti G., and Alexander, assignors.)
Allen, Andrews, Glencoe, assignor to Allen & Garcia Company, Chicago, Ill. Floating storage and mixing bin. 1,820,521; Aug. 25.
Allen, Archie A. (See Kirsch, C. W., and Allen.)
Allen, Arthur P., San Mateo, Calif. Making products of finely divided vegetable material. 1,824,421; Sept. 22.
Allen, Benjamin H., Beaumont, Tex. Service stand and serving apparatus. 1,819,806; Aug. 18.
Allen, Carl G. (See McCormick, J. H., Allen, and Bender.)
Allen, Charles J., Moorestown, N. J., assignor to S. L. Allen & Co., Inc. Fertilizer distributor. 1,796,679; Mar. 17.
Allen, Charles W., assignor to E. L. Bruce Company, Memphis, Tenn. Wood block flooring. 1,796,880; Mar. 17.
Allen, Charles W., assignor to E. L. Bruce Company, Memphis, Tenn. Wood block. 1,808,623; June 2.
Allen, Chauncey D. (See Williston, B. T., Walch, and Allen.)
Allen, Chauncey D., Philadelphia, Pa. Automatic variable oil control valve for lubricators. 1,819,858; Aug. 18.
Allen, Chauncey D., Germantown, Pa., assignor to Consolidated Ashcroft Hancock Company, Inc., New York, N. Y. Multiple gauge sectional extensible housing. 1,831,732; Nov. 10.
Allen, Chester T., assignor of one-half to F. Oliver, Ventura, Calif. Core drill head assembly. 1,801,789; Apr. 21.
Allen, Donald G., Dallas, Tex. Check holder and serving tray. 1,826,037; Oct. 6.
Allen-Drew Co. (See Allen, Earle F., assignor.)
Allen, Earl E., Shreveport, La., assignor to The Buckeye Traction Ditcher Co., Findlay, Ohio. Crane. 1,790,692; Feb. 3.
Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,796,257; Mar. 10.

Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,820,110; Aug. 25.

Allen, Earl M., Swissvale, assignor to The Union Switch & Signal Company, Swissvale, Pa. Train indicating apparatus. 1,821,602; Sept. 1.

Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric relay. 1,835,625; Dec. 8.

Allen, Earl M., Swissvale, and R. E. Willard, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,797,218; Mar. 24.

Allen, Earle F., assignor to Allen-Drew Co., Cambridge, Mass. Actuating apparatus for theater curtains and the like. 1,810,890; June 23.

Allen, Edgar, Wichita Falls, Tex. Latch shackle. 1,787,926; Jan. 6.

Allen, Edmund T., assignor to Boeing Airplane Company, Seattle, Wash. Aviator's helmet. 1,810,549; June 16.

Allen, Edward B., Dunnellon, Fla. Destroying marine growths impeding navigation. 1,795,003; Mar. 3.

Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread feeding mechanism. 1,801,252; Apr. 21.

Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Buttonhole sewing machine. 1,807,577; May 26.

Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-cutting mechanism for sewing machines. 1,816,308; July 28.

Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-cutter operating mechanism for sewing machines. 1,822,639; Sept. 8.

Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Safety device for sewing machines. 1,822,854; Sept. 8.

Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work clamp for sewing machines. 1,823,522; Sept. 15.

Allen, Edward G., Everett, Wash. Trolling spoon. 1,809,663; June 9.

Allen, Elbert W., Milwaukee, Wis. Shoe. 1,828,453; Oct. 20.

Allen, Ernest J., Long Island City, assignor to Parrott Dry Process Street Cleaner Company, Inc., New York, N. Y. Street-cleaning machine. 1,797,185; Mar. 17.

Allen, Ernest J., Long Island City, assignor to Parrott Dry Process Street Cleaner Company, Inc., New York, N. Y. Street cleaning brush. 1,803,086; Apr. 28.

Allen, Francis M. (See Overpeck, C. F., and Allen.)

Allen, Frank B., Lower Merion Township, Montgomery County, assignor, by mesne assignments, to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Furnace construction. 1,795,357; Mar. 10.

Allen, Frank B., Lower Merion Township, Montgomery County, assignor, by mesne assignments, to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Apparatus for handling ashes. 1,809,501; June 9.

Allen, Frank B., Lower Merion Township, Montgomery County, assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Apparatus for handling solids. 1,818,967; Aug. 18.

Allen, Frank B., Lower Merion Township, Montgomery County, assignor, by mesne assignments, to The Allen-Sherman Hoff Company, Philadelphia, Pa. Ash handling equipment. 1,821,603; Sept. 1.

Allen, Frank B., Lower Merion Township, Montgomery County, assignor, by mesne assignments, to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Heat exchanging tube. 1,829,731; Nov. 3.

Allen, Frank B., Lower Merion Township, Montgomery County, assignor, by mesne assignments, to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Storage tank for ashes. 1,829,732; Nov. 3.

Allen, Frank B., Lower Merion Township, Montgomery County, assignor, by mesne assignments, to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Apparatus for handling ashes. 1,833,312; Nov. 24.

Allen, Frank M., Summit, N. J., assignor to Congoleum-Nairn, Inc. Manufacturing linoleum. 1,835,741; Dec. 8.

Allen & Garcia Company. (See Allen, Andrews, assignor.)

Allen, George, jr., New York, N. Y., and F. C. Simpson, West Somerville, Mass., assignors to George Allen & Son, New York, N. Y. Baffle slot block. 1,822,002; Sept. 8.

Allen, George A., Montebello, Calif. Sprinkler. 1,834,118; Dec. 1.

Allen, George, & Son. (See Allen, G., jr., and Simpson, assignors.)

Allen, George W., and A. Waters, Malvern, Victoria, Australia. Gas oven electric heater. 1,815,088; July 21.

Allen, George Y. (See Clark, G. H., and Allen.)

Allen, Grace T., St. Joseph, Mo. Hair waving comb. 1,825,170; Sept. 29.

Allen, Grosvenor N., and C. A. Bennett, assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 83,941; Apr. 21.

Allen, Grosvenor N., and M. G. Parker, Oneida, N. Y. Spoon or similar article. Des. 83,714; Mar. 24.

Allen, Grosvenor N., and M. G. Parker, assignors, to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 83,942; Apr. 21.

Allen, Grosvenor N., and M. G. Parker, assignors to Oneida Community, Limited, Oneida, N. Y. Dish or similar article. Des. 85,802; Dec. 22.

Allen, Grosvenor N., M. G. Parker, and S. H. Leavenworth, assignors to Oneida Community, Limited, Oneida, N. Y. Pot or similar article. Des. 85,803; Dec. 22.

Allen, Grosvenor N., M. G. Parker, and L. E. Ressegger, assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 83,487; Mar. 3.

Allen Grosvenor N., M. G. Parker, and L. E. Ressegger, assignors to Oneida Community, Limited, Oneida, N. Y. Metal border strip. Des. 83,890; Apr. 14.

Allen, H. F. (See Rice, Kirk, assignor.)

Allen, Harold C., Champaign, Ill. Colter guard. 1,791,258; Feb. 3.

Allen, Harold G., Denver, Colo. Fish lure. 1,830,080; Nov. 3.

Allen, Harold V., East Bethel, Vt. Protective device. 1,805,386; May 12.

Allen, Henry A., et al., trustees. (See Pratt, Harry P., assignor.)

Allen, Henry H., Huntington Bay, assignor to Bemis Bro. Bag Company, St. Louis, Mo. Bag. 1,795,417; Mar. 10.

Allen, Herbert I., and D. B. Ayerst, assignors to Electron Chemical Company, Portland, Me. Electrolytic cell. 1,798,575; Mar. 31.

Allen and Hills, Incorporated. (See Hills, Paul W., assignor.)

Allen, Horace C., Merchantville, N. J., assignor to General Electric Company. Local distant switch for super-heterodyne receivers. 1,821,780; Sept. 1.

Allen, Horace E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing molten glass. 1,831,619; Nov. 10.

Allen, Howard G., assignor to H. R. Bliss Company, Inc., Niagara Falls, N. Y. Feeding and spacing device. 1,808,588; June 2.

Allen, Howard G., assignor to H. R. Bliss Company, Inc., Niagara Falls, N. Y. Box with handle. 1,810,743; June 16.

Allen, Howard G., assignor to H. R. Bliss Company, Inc., Niagara Falls, N. Y. Fabricated blade anvil. 1,812,188; June 30.

Allen, Howard G., assignor to H. R. Bliss Company, Inc., Niagara Falls, N. Y. Stapling machine for fiber board blanks. 1,812,189; June 30.

Allen, Hugh E., Scotia, N. Y., assignor to General Electric Company. Signaling system. 1,795,193; Mar. 3.

Allen, Hugh E., Chicago, assignor of one-half to A. G. McCaleb, Evanston, Ill. Condimentation of ground meats. 1,829,431; Oct. 27.

Allen, John A., St. Paul, Minn. Automatic weighing means for tobacco scrap. 1,798,776; Mar. 31.

Allen, John A., and H. E. Dowell, St. Paul, Minn. Automatic tobacco-scrap-measuring machine. 1,798,775; Mar. 31.

Allen, John H., Yakima, Wash. Rotary weeder. 1,796,228; Mar. 10.

Allen, John M., Toronto, Ontario, Canada, assignor to Scott & Williams, Incorporated, New York, N. Y. Hosiery. Re17,958; Feb. 10.

Allen, John M., Toronto, Ontario, Canada, assignor to Scott & Williams Incorporated, New York, N. Y. Seamless hosiery and manufacturing same. 1,810,098; June 16.

Allen, Joseph C., Modesto, Calif. Transmission repair cover. 1,835,449; Dec. 8.

Allen, Joseph H., assignor to Inland Glass Works, Inc., Chicago, Ill. Lamp globe. Des. 84,911; Aug. 25.

Allen, Joseph H., assignor to Inland Glass Works, Inc., Chicago, Ill. Lamp globe. Des. 84,912; Aug. 25.

Allen, Joseph H., assignor to Inland Glass Works, Inc., Chicago, Ill. Lamp globe. Des. 84,913; Aug. 25.

Allen, Joseph H., assignor to Inland Glass Works, Inc., Chicago, Ill. Lantern. Des. 84,914; Aug. 25.

Allen, Joseph H., assignor to Inland Glass Works, Inc., Chicago, Ill. Lantern. Des. 85,024; Sept. 8.

Allen, Joseph H., assignor to Inland Glass Works, Inc., Chicago, Ill. Lamp globe. Des. 85,728; Dec. 15.

Allen, Lavont C. (See Cowley, J. T., and Allen.)

Allen, Lavont C. (See Jennings, C. S., and Allen.)

Allen, Lee E., assignor to Pennsylvania Engineering Works, New Castle, Pa. Hot metal mixer. 1,815,605; July 21.

Allen, May L., and J. O. Matthews, Long Beach, Calif. Cooky case. 1,787,809; Jan. 6.

Allen, Paul W., Knoxville, Tenn. Printing press. 1,806,591; May 26.

Allen, Percy H., Seattle, Wash. Convertible ladder. 1,837,187; Dec. 22.

Allen, Percy J. (See Johnstone, J., and Allen.)

Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine support. 1,814,626; July 14.

Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine support. 1,814,627; July 14.

Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elastic fluid turbine. 1,823,309; Sept. 15.

Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elastic fluid turbine. 1,823,310; Sept. 15.

Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Packing gland. 1,824,863; Sept. 29.

Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Packing gland. 1,827,866; Oct. 20.

Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fluid pressure operated relay. 1,833,012; Nov. 24.

Allen, Rodney F., Chicago, Ill. Third-rail electric railway system. 1,795,591; Mar. 10.

Allen, Russell G., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Distributing head for glassware forming machines. 1,806,731; May 26.

Allen, Russell G., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Machine for blowing hollow glass articles. 1,832,080; Nov. 17.

Allen, S. L., & Co. (See Allen, Charles J., assignor.)

Allen, S. L., & Co. (See Bowen, James M., assignor.)

Allen, S. L., & Co. (See Mader, Joseph, assignor.)

Allen, Samuel C., near Dayton, assignor to The Dayton Steel Racquet Company, Dayton, Ohio. Metal arrow. 1,789,957; Jan. 20.

Allen, Samuel C., near Dayton, assignor to The Dayton Steel Racquet Company, Dayton, Ohio. Metal arrow and making the same. 1,794,051; Feb. 24.

Allen, Samuel C., Montgomery County, near Dayton, assignor, by mesne assignments, to Dayton Racquet Company, Inc., Dayton, Ohio. Arrow testing device. 1,804,450; May 12.

Allen, Samuel J. M., Cincinnati, Ohio. Alternating current rectifier. 1,824,004; Sept. 22.

Allen, Scott E., and O. N. Wiswell, assignors by mesne assignments to C-O-Two Fire Equipment Company, Los Angeles, Calif. Pressure-operated means for puncturing closure diaphragm. 1,827,723; Oct. 13.

Allen-Sherman-Hoff Company, The. (See Allen, Frank B., assignor.)

Allen-Sherman-Hoff Company, The. (See Hoff, Leigh P., assignor.)

Allen-Sherman-Hoff Company, The. (See Sherman, Max C., assignor.)

Allen, Sherman T., Beverly Hills, Calif. Coin segregator. 1,795,284; Mar. 10.

Allen, Sherman T., Beverly Hills, Calif. Coin segregator for vending machines. 1,795,285; Mar. 10.

Allen, Sherman T., Beverly Hills, Calif. Airplane. 1,801,833; Apr. 21.

Allen, Sherman T., Beverly Hills, Calif. Aircraft. 1,801,834; Apr. 21.

Allen, Stratford B., Cambridge, Mass. Resistance unit. 1,835,582; Dec. 8.

Allen, Thomas T. (See Adams, J. F., and Allen.)

Allen, Thomas T., assignor to Sentry Safety Control Corporation, Philadelphia, Pa. Unitary safety device for motion picture projecting machines. 1,820,959; Sept. 1.

Allen, Thomas T., and J. F. Adams, assignors to Sentry Safety Control Corporation, Philadelphia, Pa. Safety device operating mechanism. 1,803,087; Apr. 28.

Allen, Thomas T., and J. F. Adams, assignors to Sentry Safety Control Corporation, Philadelphia, Pa. Safety unit for motion picture projectors. 1,809,817; June 16.

Allen, Thomas T., and H. Godoy, assignor to Sentry Safety Control Corporation, Philadelphia, Pa. Shutter control for motion picture machines. 1,803,088; Apr. 28.

Allen, Thomas W., Philadelphia, W. F. Bokum, Jenkintown, and J. H. Senior, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Process and apparatus for making batting and felts. 1,833,811; Nov. 24.

Allen, W. D., Manufacturing Company. (See Steininger, William, assignor.)

Allen, W. D., Manufacturing Company. (See Symonds, William H., assignor.)

Allen, W. D., Manufacturing Company. (See Tichava, Arthur, assignor.)

Allen, Weldon E., Ridgeville, Ind. Hopple. 1,803,048; Apr. 28.

Allen, Werdon H., South Montrose, Pa. Clothesrack. 1,823,776; Sept. 15.

Allen, Wilbur C., Los Angeles, Calif., assignor, by mesne assignments, to Ralph C. Whitlock Patents, Inc. Adjustable trip for postal machines. 1,809,264; June 9.

Allen, William A., New York, N. Y. Combined screen and ventilator. 1,838,207; Dec. 29.

Allen, William H. (See Macdonald, F., Allen, Ritchie, and Manchee.)

Allen, William H., W. A. Gale, and C. F. Ritchie, assignors to American Potash & Chemical Corporation, Trona, Calif. Separating sodium salts from mixtures thereof. 1,836,426; Dec. 15.

Allen, William H., W. A. Gale, and C. F. Ritchie, assignors to American Potash & Chemical Corporation, Trona, Calif. Process of producing sodium bicarbonate and sodium sulphate dekahydrate from mixtures of sodium sulphate and sodium carbonate. 1,836,427; Dec. 15.

Allen, William R., Custer Township, Whatcom County, Wash. Highway dual-light signal. 1,819,316; Aug. 18.

Allen, William Y., Berkeley, Calif. Applicator for dispensing liquid from containers. 1,828,485; Oct. 20.

Allenbaugh, George G., assignor to The Ohio Brass Company, Mansfield, Ohio. Cable device. 1,797,599; Mar. 24.

Aller, Conrad F., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separator bearing. 1,816,460; July 28.

Allerding, Cletus N., Mansfield, Ohio. Folding chair 1,815,643; July 21.

Allerton, Samuel E., Chicago, Ill.; M. Hopkins, administrator of said S. E. Allerton, deceased. Receptacle and cover construction. 1,828,991; Oct. 27.

Alles, Kurt, Berlin, Germany, assignor to General Electric Company. Steam generating plant for the generation of high pressure steam. 1,821,781; Sept. 1.

Alles, Louis H., Wilmington, Del. Toothbrush. 1,835,837; Dec. 8.

Alleta Co., Inc. (See Schwob, H., and Tripet, assignors.)

Allfree, Edwin H., Ironton, Ohio. Conveyer. 1,801,894; Apr. 21.

Allfree, Edwin H., Ironton, Ohio. Conveyer. 1,810,588; June 16.

Allgemeine Elektricitats-Gesellschaft. (See Sass, F., Radloff, and Gerstmayr, assignors.)

Allgrunn, Carl G. (See Knapp, E., and Allgrunn.)

Alliance Machine Company, The. (See Kendall, D., and Keller, assignors.)

Alliance Machine Company, The. (See Shutt, Milo, assignor.)

Alliance Vitrified China Company, The. (See Boardman, Edmund, assignor.)

Allied Laboratories, Incorporated. (See Laird, William R., assignor.)

Allied Metal Industries. (See Carlton, Jack C.)

Allied Process Corporation. (See Smith, Walter C., assignor.)

Allied Products Corporation. (See Richard, O. K. and C. C., assignors.)

Alligator Company, The. (See George, John E., assignor.)

Allin, Richard F., New York, N. Y., assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,809,822; June 16.

Alling, E. Roy. (See McKinley, J. P., and Ulrich, assignors.)

Alling, Edward R., Kenmore, assignor to Rice & Adams Corporation, Buffalo, N. Y. Crate or case. 1,829,383; Oct. 27.

Alling, Guy E., assignor to Athol Manufacturing Company, Athol, Mass. Coated fabric. Des. 83,784; Mar. 31.

All In One Corporation of America. (See Pulver, Bruce N., assignor.)

Allinson, Herbert N., South Orange, N. J. Pipe reamer. 1,792,886; Feb. 17.

Allis-Chalmers Manufacturing Company. (See Andersson, Pelle, assignor.)

Allis-Chalmers Manufacturing Company. (See Brown, Edwin H., assignor.)

Allis-Chalmers Manufacturing Company. (See De Wein, George F., assignor.)

Allis-Chalmers Manufacturing Company. (See Graves, Sheldon H., assignor.)

Allis-Chalmers Manufacturing Company. (See Hagmaier, W. G., and Shaw, assignors.)

Allis-Chalmers Manufacturing Company. (See Meyer, Walter A., assignor.)

Allis-Chalmers Manufacturing Company. (See Nagler, Forrest, assignor.)

Allis-Chalmers Manufacturing Company. (See Newhouse, Ray C., assignor.)

Allis-Chalmers Manufacturing Company. (See Nichols, Louis C., assignor.)

Allis-Chalmers Manufacturing Company. (See Nye, Henry V., assignor.)

Allis-Chalmers Manufacturing Company. (See Powell, William H., assignor.)

Allis-Chalmers Manufacturing Company. (See Ring, Joseph J., assignor.)

Allis-Chalmers Manufacturing Company. (See Secor, John A., assignor.)

Allis-Chalmers Manufacturing Company. (See Stoll, Robert E., assignor.)

Allis-Chalmers Manufacturing Company. (See Tucker, William B., assignor.)

Allis-Chalmers Manufacturing Company. (See Williamson, Robert B., assignor.)

Allis, Louis, Company, The. (See Barr, John M., assignor.)

Allis, Louis, Company, The. (See Smith, Harold L., assignor.)

Allison, Albert J., assignor to Simonds Worden White Company, Dayton, Ohio. Beater roll construction. 1,821,604; Sept. 1.

Allison, Fletcher D., Columbus, Ohio. Combination tool. 1,816,812; Aug. 4.

Allison, Fred M., Coriscana, Tex. Slips and tool joint for rotary well drilling. 1,819,056; Aug. 18.

Allison, Harry S., assignor to W. D. Allison Company, Indianapolis, Ind. Tilting table. 1,792,209; Feb. 10.

Allison, Harry S., assignor to W. D. Allison Company, Indianapolis, Ind. Examining table leg rest. 1,823,248; Sept. 15.

Allison, Harvey M. (See Walker, E. A., and Allison.)

Allison, Harvey M., assignor to J. Bath, Worcester, Mass. Backing off mechanism for grinding machines. 1,835,687; Dec. 8.

Allison, Isaiah. (See Hasse, F. C., and Allison.)
Allison, James F., Providence, R. I., assignor to Freeman-Doughaday Company. Collar holder. 1,817,662; Aug. 4.
Allison, John R. (See McBeth, I. G., and Allison.)
Allison, John T., et al. (See Cleveland, Charles H., assignor.)
Allison, Leslie R., Wilkinsburg, and F. H. Nicholson, Edgewood Borough, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,826,161; Oct. 6.
Allison, W. D. Company. (See Allison, Harry S., assignor.)
Allith-Prouty Company. (See Scott, John E., assignor.)
Allmänna Svenska Elektriska Aktiebolaget. (See Herlitz, Ivar, assignor.)
Allmänna Svenska Elektriska Aktiebolaget. (See Kuusinen, J. and Ytterberg, assignors.)
Allmänna Svenska Elektriska Aktiebolaget. (See Petersén, Wilhelm H., assignor.)
Allmänna Svenska Elektriska Aktiebolaget. (See Ytterberg, Arle, assignor.)
All Metal Bottle Cooler Corporation. (See Kilgore, William W., assignor.)
All-Metal Products Company. (See Forsman, V. H., Decker, and Edwards, assignors.)
All-Metal Products Co. (See Schmidt, William F., assignor.)
Allner, Frederick A., Baltimore, Md. Increasing the useful flow capacity of a hydroelectric plant. 1,813,107; July 7.
Allsop, Thomas, assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Cooling and conditioning machine. 1,807,580; June 2.
All-Steel-Equip Company. (See Christensen, Carl T., assignor.)
Allstott, James O., Paoli, Okla. Feed mixer. 1,800,003; Apr. 7.
Allway Manufacturing Co., The. (See Ramsdell, Clarence E., assignor.)
Allyn, Robert S., Brooklyn, N. Y., assignor to himself, as trustee. Metal working mechanism. 1,830,778; Nov. 10.
Allyne, Edmund E. (See Brockett, B. W., and Hyde, assignors.)
Allyne, Edmund E. (See Gruber, Edward, assignor.)
Allyne, Edmund E. (See Schickler, Albert C., assignor.)
Alm, Joseph E., San Francisco, Calif. Expansible cuff link. 1,803,988; May 5.
Alma Manufacturing Company of Baltimore City. (See Frank, Leon, assignor.)
Alma Manufacturing Company of Baltimore City. (See Kerngood, Allen H., assignor.)
Almanrode, David S., Milwaukee, Wis. Thermostatic controlling device. 1,815,030; July 21.
Almen, John O., Royal Oak, assignor to General Motors Research Corporation, Detroit, Mich. Hydraulic valve gear. 1,792,795; Feb. 17.
Almen, John O., Royal Oak, assignor to General Motors Research Corporation, Detroit, Mich. Swedged end pushrod. 1,823,419; Sept. 15.
Almen, John O., Royal Oak, assignor to General Motors Research Corporation, Detroit, Mich. Fuel system for supercharged engines. 1,830,732; Nov. 3.
Al-Metal Universal Joint Company, The. (See Peters, Frederick W., assignor.)
Almetal Universal Joint Company, The. (See Peters, Frederick W., assignor.)
Almquist, Grace E., La Porte, Tex. Hot plate. 1,796,182; Mar. 10.
Almquist, Gus, Perris, Calif. Pipe form. 1,837,092; Dec. 15.
Almquist, Leopold, Jersey City, N. J., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,803,376; May 5.
Almquist, Milton L., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Device for producing modulated currents. 1,834,992; Dec. 8.
Almqvist, August, Idrottsplatsen, Sweden. Hand cuff. 1,826,591; Oct. 6.
Alonso, Blanch, New York, N. Y. Garment-holding fastener. 1,798,576; Mar. 31.
Alox Chemical Corporation. (See Burwell, Arthur W., assignor.)
Alpern, Maxwell, assignor to American Engineering Company, Philadelphia, Pa. Fuel feeding mechanism for mechanical stokers. 1,832,682; Nov. 17.
Alpha Tank and Sheet Metal Mfg. Co. (See Fisher, Ernest F., assignor.)
Alphonso, Peter R., et al. (See Sherry, Phillip G., assignor.)
Alpine Electric Corporation. (See Weber, John, assignor.)
Alsaker, Alfred. (See Van Ryan, T., and Alsaker.)
Alsaker, Alfred, assignor to The Delta-Star Electric Company, Chicago, Ill. Switch. 1,815,392; July 21.
Alsaker, Alfred, assignor to The Delta Star Electric Company, Chicago, Ill. Adjustable I-beam base. 1,831,798; Nov. 17.
Alsaker, Alfred, and E. Nordhem, assignors to The Delta-Star Electric Company, Chicago, Ill. Switch operating mechanism. 1,817,904; Aug. 11.
Alsaker, Alfred, and M. Skau, assignors to The Delta Star Electric Company, Chicago, Ill. Switch. 1,815,282; July 21.
Alsaker, Alfred, and M. Skau, assignors to The Delta Star Electric Company, Chicago, Ill. Switch. 1,815,283; July 21.
Alsaker, Alfred, and M. Stene, assignors to The Delta-Star Electric Company, Chicago, Ill. Shaft coupling. 1,831,836; Nov. 17.
Alsdorf, Frederick C., Chicago, Ill. Manufacturing plastic asphaltic compositions for pavements. 1,815,089; July 21.
Alsop, Bertha S., New York, N. Y. Baby's diaper. 1,833,960; Dec. 1.
Alsop, James N., assignor to American Therapeutic Gas Company, Cincinnati, Ohio. Germicidal gas and method of and apparatus for producing the same. 1,810,589; June 16.
Alstrand, Felix K., New York, N. Y. Garment fastener. 1,790,893; Feb. 3.
Alt, Anne C. (See Meeks, M. W., and Alt.)
Alt, Charles F., Des Moines, Iowa. Vehicle parking structure. 1,808,741; June 9.
Altenbach, Otto, Los Angeles, Calif. Pocket or folding knife. 1,787,424; Jan. 6.
Altenbach, Otto, Los Angeles, Calif. Pocket implement. 1,805,065; May 12.
Altenbach, Otto, Los Angeles, Calif. Hand tool. 1,826,038; Oct. 6.
Altenbach, Otto, Ohligs-Rhineland, Germany. Nail file and sheath therefor. 1,835,583; Dec. 8.
Altenburg, Edgar, Houston, Tex. Illustrating apparatus. 1,791,994; Feb. 10.
Altenkirch, Edmund, Alt-Landsberg-Sud, assignor to Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung, Siemensstadt, near Berlin, Germany. Apparatus for boiling liquids. 1,788,818; Jan. 13.
Altenkirch, Edmund, Neuenhagen, near Berlin, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Absorption machine. 1,803,318; May 5.
Alter, Dinsmore, Lawrence, Kans. Radio aerial. 1,824,254; Sept. 22.
Alterson, Louis, New York, N. Y. Buckle or similar article. Des. 85,568; Nov. 17.
Alterson, Louis, New York, N. Y. Buckle. 1,795,273; Mar. 3.
Alterson, Louis, New York, N. Y. Buckle or clasp. 1,830,379; Nov. 3.
Altfather, John C., et al. (See Altfather, Lewis F., assignor.)
Altfather, Lewis F., assignor of one-third to J. C. Altfather and one-third to R. M. McTaylor, Berlin, Pa. Potato cutter. 1,824,798; Sept. 29.
Altgelt, Herman E., South Bend, Ind., assignor to Oliver Farm Equipment Company. Transmission-housing construction. 1,791,782; Feb. 10.
Altgelt, Herman E., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Tractor. 1,811,072; June 23.
Altgelt, Herman E., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Harrow. 1,814,814; July 14.
Altgelt, Herman E., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Agricultural implement. 1,814,815; July 14.
Altgelt, Herman E., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Agricultural implement. 1,824,976; Sept. 29.
Altgelt, Max A., New Braunfels, Tex. Device for loading explosives in wells. 1,807,819; June 2.
Althoff, Henry H., New York, N. Y. Surfacing stone. 1,799,034; Mar. 31.
Altieri, Antonio. (See Cawthon, B. A., and Altieri.)
Altiser, James P., et al. (See Paulson, George W., assignor.)
Altithermo Engineering Company. (See Anderson, John H., assignor.)
Altland, John, Dover, Pa. Hedge trimmer. 1,799,721; Apr. 7.
Altman, Elmer F., assignor to The Self Kleen Thresher Screen Co., Minneapolis, Minn. Cleaning sieve. 1,808,742; June 9.
Altman, Fred E., Rochester, assignor, by mesne assignments, to Felms Revo Corporation, New York, N. Y. Photographic optical system. 1,812,851; July 7.
Altmayer, Moses W., San Francisco, Calif. Ash receiver. 1,829,844; Nov. 3.
Altmyer, John W., Omaha, Nebr. Washing device. 1,802,862; Apr. 28.
Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. Re18,185; Sept. 15.
Altorfer Bros. Company. (See Altorfer, Alpheus W., assignor.)
Altorfer Bros. Company. (See Defibaugh, Mark A., assignor.)
Altpeter, Ludwig, Trier, Germany. Device for drawing off fluid from fine granular material in centrifugal machines. 1,793,204; Feb. 17.
Altshuler, Henry I., and G. B. Lantz, Pachuca, Mexico. Electric furnace. 1,831,054; Nov. 10.
Altvater, Arthur W., St. Louis County, Mo. Cutting, trimming and ornamenting machine. 1,807,952; June 2.
Altvater, Arthur W., St. Louis County, Mo. Cutting or ornamenting die. 1,809,823; June 16.
Altvater, Arthur W., St. Louis, Mo. Die mechanism. 1,834,918; Dec. 8.

Altvater, Arthur W., University City, Mo. Machine for ornamenting shoe parts. 1,834,919; Dec. 8.
Altwegg, Jean, Freiburg, Germany, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for producing cellulose acetate. 1,792,059; Feb. 10.
Aluminum Chloride Oil Refining Corporation. (See Carl, B. E., and Austin, assignors.)
Aluminum Company of America. (See Archer, R. S., and Fink, assignors.)
Aluminum Company of America. (See Archer, R. S., and Kempf, assignors.)
Aluminum Company of America. (See Belding, George A., assignor.)
Aluminum Company of America. (See Boothman, D. M., and Cullerton, assignors.)
Aluminum Company of America. (See Bossert, T. W., and Nock, jr., assignors.)
Aluminum Company of America. (See Doerschuk, Victor C., assignor.)
Aluminum Company of America. (See Frary, Francis C., assignor.)
Aluminum Company of America. (See Horsfield, Basil T., assignor.)
Aluminum Company of America. (See Hourigan, Joseph, assignor.)
Aluminum Company of America. (See Morrow, John E., assignor.)
Aluminum Company of America. (See Sharp, John E., assignor.)
Aluminum Company of America. (See Sharp, J. E., and Niver, assignors.)
Aluminum Company of America. (See Stay, T. D., and Burrows, assignors.)
Aluminum Company of America. (See Varney T., and King, assignors.)
Aluminum Company of America. (See Wentz, Welker W., assignor.)
Aluminum Cooking Utensil Company, The. (See Gage, L. F., Wood, and Weinzierl, assignors.)
Aluminum Cooking Utensil Company. (See Wilson, John H., assignor.)
Aluminum Cooking Utensil Company. (See Wilson, J. H., and Wood, assignors.)
Aluminum Goods Mfg. Co. (See Drumm, Elmer E., assignor.)
Aluminum Industrie Aktiengesellschaft. (See Treadwell, William D., assignor.)
Aluminum Industrie Aktiengesellschaft. (See Weber, J., and von Zeerleder, assignors.)
Aluminum Plant & Vessel Company, The. (See Seligman, Richard, assignor.)
Aluminum Products Company. (See McClure, Elmer P., assignor.)
Aluminum Screw Machine Products Company. (See Malby, Seth G., assignor.)
Aluminum Screw Machine Products Company. (See Naylor, W. F., and Sponseller, assignors.)
Alva Carpet & Rug Company. (See Fromuth, August G., assignor.)
Alvarez, Guillermo. (See Chersanaz, L., and Alvarez.)
Alvenes, Peter, Oakland, Calif. Transmission gearing. 1,830,252; Nov. 3.
Alvermann, Ewald, Dusseldorf, Germany. Production of seamless tubes. 1,789,721; Jan. 20.
Alves, Alfred C., assignor of one-half to P. H. Long, San Antonio, Tex. Alarm-clock attachment for electrical connectors. 1,794,820; Mar. 3.
Alvey Manufacturing Company. (See Dietz, Frank J., assignor.)
Alvin Corporation, The. (See Woodward, Frederick R., assignor.)
Alvord, Charles C., assignor to Worcester Loom Works, Worcester, Mass. Gripper locking and unlocking mechanism. 1,829,326; Oct. 27.
Alvord, Clinton, assignor to Worcester Loom Works, Worcester, Mass. Tuft frame for weaving tufted fabrics. 1,817,601; Aug. 4.
Alvord, Clinton, assignor to Worcester Loom Works, Worcester, Mass. Gripper for tuft weaving. 1,829,327; Oct. 27.
Alvord, Daniel R. (See Hirons, F. C., Mellor, and Alvord.)
Amacher, Minnie B., Aberdeen, Wash. Cooking utensil. 1,790,194; Jan. 27.
Amalgamated Carburetters Limited. (See Brown, Clement, assignor.)
Amalgamated Roofing Company. (See MacLean, Robert, assignor.)
Amaral, Jesse P., New York, N. Y. Shaving stand. 1,788,267; Jan. 6.
Amato, Irving J., assignor of one-half to E. F. Fahey, Pittsfield, Mass. Powder dispenser. 1,801,253; Apr. 21.
Ambler, George B., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Shedding mechanism. 1,838,048; Dec. 22.
Ambler Asbestos Company. (See Morris, William H., assignor.)
Ambler Asbestos Shingle & Sheathing Company. (See Barth, Fred W., assignor.)
Ambler Asbestos Shingle & Sheathing Company. (See Buczkowski, Edward J., assignor.)
Ambler Asbestos Shingle & Sheathing Company. (See Ledeboer, John W., assignor.)
Ambronn, Richard, Gottingen, Germany. Exploring the subsoil. 1,805,900; May 19.
Ambros, Otto. (See Griessbach, R., and Ambros.)
Ambrose, Antone J., Westville, Ill. Bedstead or similar article. Des. 85,225; Sept. 29.
Ambrose, Henry A. (See Loomis, A. G., Ambrose, and Brown.)
Ambrose, John R. W. (See Duncan, E., and Ambrose.)
Ambrose, Sewell P., Vancouver, British Columbia, Canada. Scooter. 1,801,895; Apr. 21.
Ambrosius, Louis, West De Pere, Wis. Strainer. 1,793,578; Feb. 24.
Ambye, Anthon. (See Owen, H. A., and Ambye.)
Ambye, Anthon, Andover, assignor to Davis & Furber Machine Company, North Andover, Mass. Adjustable drive for top and bottom drawing rolls of spinning frames. 1,799,451; Apr. 7.
Amco, Incorporated. (See Morton, W. A., and Geer, assignors.)
Amdyco Corporation. (See Urquhart, Radcliffe M., assignor.)
Amen, Nicholas C., Los Angeles, Calif. Illuminating appliance. 1,791,697; Feb. 10.
Ament, Edward F., Youngstown, Ohio. Furnace discharging apparatus. 1,827,413; Oct. 13.
Ament, Lucy C., New York, N. Y., now by judicial change of name L. C. Thomas. Holder for lipsticks and the like. 1,801,464; Apr. 21.
Ament, Lucy C., New York, N. Y., now by judicial change of name L. C. Thomas. Holder for lipsticks and the like. 1,801,465; Apr. 21.
Ament, Lucy C., New York, N. Y., now by judicial change of name Lucy C. Thomas. Lighter. 1,811,103; June 23.
Amera, Carl J., Dalton, assignor of one-half to J. M. McDermott, New Butler, Wis. Spike puller. 1,833,451; Nov. 24.
American Agricultural Chemical Company, The. (See Milligan, Charles H., assignor.)
American Air Filter Company. (See Adams, A., jr., and Richards, assignors.)
American Air Filter Company. (See Birkholz, Hans E., assignor.)
American Air Filter Company. (See Gagen, Charles H., assignor.)
American Air Filter Company. (See Goodloe, Alfred M., assignor.)
American Air Filter Company. (See Hegan, Chester P., assignor.)
American Air Filter Company. (See Hegan, C. P., and Diecks, assignors.)
American Air Filter Company. (See Jordahl, Anders, assignor.)
American Air Filter Company. (See Klaff, Louis, assignor.)
American Air Filter Company. (See Lederer, Julius, assignor.)
American Air Filter Company. (See Preble, James J., assignor.)
American Air Filter Company. (See Richards, W. L., and Nelson, assignors.)
American Air Filter Company. (See Strindberg, Richard, assignor.)
American Airship Corporation. (See Miner, Charles R., assignor.)
American Alumalloy Custom Wheel Company. (See Beutke, P. E., and Nelson, assignors.)
American Aluminum Ware Co. (See Brucker, Henry, assignor.)
American Anode, Inc. (See Gábor, F., Klein, and Szegvári, assignors.)
American Anode Inc. (See Klein, Paul, assignor.)
American Anode, Inc. (See Klein, P., and Gábor, assignors.)
American Anode, Inc. (See Klein, P., and Szegvari, assignors.)
American Anode, Inc. (See Lane, Frederick H., assignor.)
American Anode, Inc. (See Newton, Edwin B., assignor.)
American Anode, Inc. (See Schade, James W., assignor.)
American Anode Inc. (See Schade, J. W., and Trumbull, assignors.)
American Anode, Inc. (See Szegvari, Andrew, assignor.)
American Anode Inc. (See Szegvari, A., and Spencer, assignors.)
American Anode, Inc. (See Thornton, George G., assignor.)
American Anode Inc. (See Wilson, George F., assignor.)
American Arch Company. (See Dobie, Bradley, assignor.)
American Arch Company. (See Lodwick, Jason A., assignor.)
American Arch Company. (See Willett, Alfred H., assignor.)
American Art Wood Products Corp. (See Grounds, Preston W., assignor.)
American Art Wood Products Corp. (See Schwartz, Jacob, assignor.)
American Assembling Machine Company. (See Kleineberg, Paul E., assignor.)
American Automobile Appliance Company. (See Wigle, Joy V., assignor.)
American Aviation Corporation. (See Sundstedt, Hugo, assignor.)
American Baby Bonds Corporation, (See Patch, L. W., and McRae, assignors.)

American Ball Company. (See Bradley, Charles S., assignor.)
American Bank Note Company. (See Aitchison, Peter, assignor.)
American Bank Note Company. (See Marquardt, Frank C., assignor.)
American Bank Note Company. (See Murray, John J., assignor.)
American Bank Note Company. (See Reinhardt, James H., assignor.)
American Bank Note Company. (See Smith, Walter E., assignor.)
American Bank Stationery Company. (See Kernan, John J., assignor.)
American Bemberg Corporation. (See Bauriedel, G., and Fichthorn, assignors.)
American Bemberg Corporation. (See Hartmann, August, assignor.)
American Bemberg Corporation. (See Hartmann, A., and Höfinghoff, assignors.)
American Bemberg Corporation. (See Steinberg, Fritz, assignor.)
American Bench Cot Company, The. (See Lansberry, G. A., Hartman, and Jasperson, assignors.)
American Bicheroux Company, The. (See Fincke, Michael, assignor.)
American Bicheroux Company, The. (See Genenger, Richard, assignor.)
American Bicheroux Company, The. (See Gentil, Eugene, assignor.)
American Bicheroux Company, The. (See Heuze, Charles, assignor.)
American Bicheroux Company, The. (See Hilgers, Ernst, assignor.)
American Bicheroux Company, The. (See Spickermann, Wilhelm, assignor.)
American Bicheroux Company, The. (See Von Reis, Lambert, assignor.)
American Blower Corporation. (See Anderson, Edward L., assignor.)
American Blower Corporation. (See Cahoon, O. B., and Hogan, assignors.)
American Bosch Magneto Corporation. (See Coe, Frank S., assignor.)
American Bosch Magneto Corporation. (See Curtis, L. F., and Bond, assignors.)
American Bosch Magneto Corporation. (See Lang, G. J., Drennan, and Schlesinger, assignors.)
American Bosch Magneto Corporation. (See Lang, G. J., and Martin, assignors.)
American Bosch Magneto Corporation. (See Martin, John F., assignor.)
American Bosch Magneto Corporation. (See Martin, J. F., and Watts, assignors.)
American Bosch Magneto Corporation. (See Murray, A. T., and Martin, assignors.)
American Brake Materials Corporation. (See Blume, William A., assignor.)
American Brake Materials Corporation. (See Gillies, Hugh A., assignor.)
American Brake Materials Corporation. (See King, Howard E., assignor.)
American Brake Materials Corporation. (See Smith, Harry N., assignor.)
American Brake Materials Corporation. (See Thompson, James S., assignor.)
American Brake Shoe & Foundry Company, The. (See Nelson, Albert, assignor.)
American Brake Shoe and Foundry Company, The. (See Sargent, Fitz W., assignor.)
American Brake Shoe and Foundry Company, The. (See Thompson, James S., assignor.)
American Brass Company, The. (See Coe, James R., assignor.)
American Brass Company, The. (See Jennison, Herbert C., assignor.)
American Brass Company, The. (See Morell, Pascal J., assignor.)
American Brass Novelty Co. (See Von Phul, Henry, assignor.)
American Brown Boveri Electric Corporation. (See Rump, Sigurd, assignor.)
American Buckle Company, The. (See Hodge, Robert J., assignor.)
American Buckle Company, The. (See Salisbury, Jessup, assignor.)
American Cabinet Hardware Corp. (See Aldeen, Gedor W., assignor.)
American Cabinet Hardware Corporation. (See Aldeen, Reuben A., assignor.)
American Cable Company. (See Burd, Gorman C., assignor.)
American Cable Company. (See Connor, Edward A., assignor.)
American Cable Company. (See Gregson, George C., assignor.)
American Can Company. (See Boone, Clifford, C., assignor.)
American Can Company. (See Christmann, L. J., and Falconer, assignors.)
American Can Company. (See Erb, George C., assignor.)
American Can Company. (See Fitzgerald, Fred F., assignor.)
American Can Company. (See Gray, James A., assignor.)
American Can Company. (See Hoffman, Edmund, assignor.)
American Can Company. (See Holloway, William M., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Can Company. (See Jones, Lyman L., assignor.)
American Can Company. (See Lindgren, Henry W., assignor.)
American Can Company. (See Magill, Donald G., assignor.)
American Can Company. (See Murch, John H., assignor.)
American Can Company. (See Nicholls, Henry M., assignor.)
American Can Company. (See Odquist, Victor, assignor.)
American Can Company. (See Peters, John F., assignor.)
American Can Company. (See Reynolds, Henry T., assignor.)
American Can Company. (See Stollberg, Charles, assignor.)
American Can Company. (See Taylor, William E., assignor.)
American Can Company. (See Toleik, John A., assignor.)
American Can Company. (See Widell, Magnus E., assignor.)
American Can Company. (See Young, John M., assignor.)
American Car and Foundry Company. (See Abel, Joseph C., assignor.)
American Car and Foundry Company. (See Almquist, Leopold, assignor.)
American Car and Foundry Company. (See Anchor, Charles J., assignor.)
American Car and Foundry Company. (See Beyer, John, assignor.)
American Car and Foundry Company. (See Dietrichson, William F., assignor.)
American Car and Foundry Company. (See Evelo, George J., assignor.)
American Car and Foundry Company. (See Hummer, Charles L., assignor.)
American Car and Foundry Company. (See Johnson, Warren V., assignor.)
American Car and Foundry Company. (See Joy, Robert W., assignor.)
American Car and Foundry Company. (See Pancake, Herman H., assignor.)
American Car and Foundry Company. (See Rohlfing, John M., assignor.)
American Car and Foundry Company. (See van Hoorn, Albert W. W., assignor.)
American Car and Foundry Company. (See Walp, Charles F., assignor.)
American Car and Foundry Motors Company. (See Hall, Elbert J., assignor.)
American Car and Foundry Motors Company. (See McMahon, James J., assignor.)
American Carburetor Improvement Company. (See Wolfe, Louis C., assignor.)
American Cast Iron Pipe Co. (See Barr, Clarence D., assignor.)
American Casting and Manufacturing Corporation. (See Dietze, Emil, assignor.)
American Casting & Manufacturing Corporation. (See Wenk, Norman B., assignor.)
American Chain Company. (See de Forest, Alfred V., assignor.)
American Chain Company. (See Du Bois, Henry C., assignor.)
American Chain Company. (See Holmes, Bradford B., assignor.)
American Chain Company. (See Lamb, Charles M., assignor.)
American Chain Company. (See Reyburn, John R., assignor.)
American Chemical Paint Company. (See Gravell, James H., assignor.)
American Chemical Print Company. (See Gravell, J. H., assignor, and Douty.)
American Chinaware Corporation. (See Thorley, Joseph P., assignor.)
American Cigar Company, The. (See Hill, George W., assignor.)
American Coach & Body Company, The. (See Larsen, Neil P., assignor.)
American Coin Selector Corporation. (See Weber, Charles, assignor.)
American Colloid Company. (See Bechtner, Paul, assignor.)
American Concrete Pipe Company. (See Halstead, Joseph L., assignor.)
American Concrete Pipe Company. (See Jenkins, Howard H., assignor.)
American Container Corporation. (See McKay, H. J., Carlsen, Fuhrman, and Unzel, assignors.)
American Cotton Machinery Co. (See Green, Sherwood, assignor.)
American Crayon Company, The. (See Daniel, Charles E., assignor.)
American Crayon Company. (See Davis, S. H., Curtis, and Schleicher, assignors.)
American Creosoting Company. (See Grady, William H., assignor.)
American Cyanamid Company. (See Barsky, G., and Walker, assignors.)

American Cyanamid Company. (See Buchanan, Guy H., assignor.)
American Cyanamid Company. (See Christmann, Ludwig J., assignor.)
American Cyanamid Company. (See Clark, Cyril B., assignor.)
American Cyanamid Company. (See Collins, Charles D., assignor.)
American Cyanamid Company. (See Fitzgerald, F. A. J., and Kelleher, assignors.)
American Cyanamid Company. (See Heuser, Ralph V., assignor.)
American Cyanamid Company. (See Kemmer, Frank R., assignor.)
American Cyanamid Company. (See Mead, Harry L., assignor.)
American Cyanamid Company. (See Moffett, Ernest C., assignor.)
American Cyanamid Company. (See Moore, William, assignor.)
American Cyanamid Company. (See Romieux, Charles J., assignor.)
American Cyanamid Company. (See Romieux, C. J., and Christmann, assignors.)
American Cyanamid Company. (See Shimer, Porter W. and E. B., assignors.)
American Cyanamid Company. (See Thomas, George G., assignor.)
American Cyanamid Company. (See Thomas, G. G., and Christmann, assignors.)
American District Steam Company. (See Gysling, Manuel H., assignor.)
American District Telegraph Company. (See Hopkins, Richard M., assignor.)
American District Telegraph Company. (See Jacobson, Ole A., assignor.)
American and Dominions Unbreakable Records Limited. (See Pemberton-Billing, Noel, assignor.)
American Doucil Company. (See Vail, James G., assignor.)
American Electric Brake Corporation. (See Shannon, Carson H., assignor.)
American Electric Company. (See Anderson, Clarence A., assignor.)
American Electric Company. (See Fisher, John E., assignor.)
American Electric Company. (See Ide, Harry H., assignor.)
American Electric Company. (See Stanton, Willard J., assignor.)
American Electric Company. (See Steerup, Godfrey, assignor.)
American Electric Company. (See Steinke, August W., assignor.)
American Electric Furnace Company. (See Hanson, Albert J., assignor.)
American Electric Furnace Company. (See Juthe, K. A., and Hanson, assignors.)
American Electric Fusion Corporation. (See von Henke, Edmund J., assignor.)
American Electric Heating Company. (See Gannon, James E., assignor.)
American Electric Switch Corporation. (See Lewis, Joseph C., assignor.)
American Electrical Company. (See Mason, W. K., and Stevens, assignors.)
American Electrical Heater Company. (See Kuhn, Robert, assignor.)
American Electrical Heater Company. (See Kuhn F., and Thomas, assignors.)
American Electrical Works. (See Busey, Herbert S., assignor.)
American Electro Metal Corporation. (See Schwarzkopf, Paul, assignor.)
American Enameled Brick Corporation. (See Jacquart, Charles E., assignor.)
American Enameled Products Company. (See Smith, August J., assignor.)
American Encaustic Tiling Company. (See Prouty, Theodore C. and W. O., assignors.)
American Engineering Company. (See Alpern, Maxwell, assignor.)
American Engineering Company. (See Clerget, Edmund J., assignor.)
American Engineering Company. (See Harrison, Clifford E., assignor.)
American Engineering Company. (See Hummel, Willard A., assignor.)
American Engineering Company. (See Koons, Charles V., assignor.)
American Engineering Company. (See Mellon, James A., assignor.)
American Engineering Company. (See Preston, Herbert E., assignor.)
American Engineering Company. (See Schultz, John L., assignor.)
American Engineering Company. (See Weingartner, Anthony E., assignor.)
American Envelope Company. (See Sill, Jerry, assignor.)
American Fabrics Company, The. (See Lashar, Walter B., assignor.)
American Fabrics Company, The. (See Page, Samuel H., assignor.)
American Face Brick Research Corporation. (See Slidell, Kemper, assignor.)
American Face Brick Research Corporation. (See Slidell, K., and Wyatt, assignors.)
American Face Brick Research Corporation. (See Willson, Clarence A., assignor.)
American Face Brick Research Corporation. (See Wyatt, Edwin M., assignor.)
American Fastener Company, The. (See Kiessling, Max, assignor.)
American Fibre Corporation. (See Baldwin, Earl F., assignor.)
American Fibre Corporation. (See Nordstrom, Gustaf E., assignor.)
American Flange & Manufacturing Company. (See Parish, Richard L., assignor.)
American Floor Surfacing Machine Company, The. (See Myers, Harry L., assignor.)
American Floor Surfacing Machine Company, The. (See Wolfe, H. H., and Myers.)
American Fluid Motors Company. (See Cannon, Earl, assignor.)
American Fluid Motors Company, The. (See Lassman, Benjamin, assignor.)
American Flyer Manufacturing Company. (See Arden, Thomas R., assignor.)
American Flyer Manufacturing Company. (See Becker, Harry S., assignor.)
American Flyer Mfg. Co. (See Chaplan, Simon V., assignor.)
American Forging and Socket Company, The. (See Sanders, Alfred B., assignor.)
American Forging & Socket Company. (See Saunders, W. S., and Martindell, assignors.)
American Fork & Hoe Company. (See Bell, F. C., and Skelly, assignors.)
American Fork & Hoe Company, The. (See Bergmann, William H., assignor.)
American Fork & Hoe Company, The. (See Fifield, Albert F., assignor.)
American Fork & Hoe Company. (See Foss, William A., assignor.)
American Fork & Hoe Company, The. (See McKeel, George A., assignor.)
American Fork & Hoe Company, The. (See Okey, Perry, assignor.)
American Foundry Equipment Company, The. (See Minich, Verne E., assignor.)
American Foundry Equipment Company, The. (See Peik, Louis D., assignor.)
American Foundry & Furnace Company. (See Scanlan, Chester J., assignor.)
American Freight Service, Inc. (See Perin, Donald W., assignor.)
American Gasaccumulator Company. (See Dalén, G., and Eskilson, assignors.)
American Gasaccumulator Company. (See Eskilson, Sven A., assignor.)
American Gasaccumulator Company. (See Goodwin, George, assignor.)
American Gasaccumulator Company. (See Luce, Richard W., assignor.)
American Gasaccumulator Company. (See Luce, R. W., and Merrill, assignors.)
American Gasaccumulator Company. (See Oestnaes, Victor L., assignor.)
American Gasaccumulator Company. (See Oestnaes, V. L., and Luce.)
American Gas Machine Company. (See Hanson, Hans C., assignor.)
American Gas Machine Company. (See Rasmussen, S., and Jenson, assignors.)
American Gas Machine Company. (See Speaker John W., assignor.)
American Gas Products Corporation. (See Rasch, William T., assignor.)
American Gauge Corporation. (See Kruft, Joseph, assignor.)
American Glanzstoff Corporation. (See Herrmann, Conrad, assignor.)
American Glanzstoff Corporation. (See Monkemeyer, Lonhard, assignor.)
American Glanzstoff Corporation. (See Schulz, W., and Hoffman, assignors.)
American Gypsum Company. (See Dubbert, Herman F., assignor.)
American Gypsum Company. (See New, Gustave A., assignor.)
American Hair & Felt Company. (See Bettison, Percy R., assignor.)
American Hair & Felt Company. (See Burghardt, Clair A., assignor.)
American Hair & Felt Company. (See McKee, Charles R., assignor.)
American Hair & Felt Company. (See Rayner, Charles H., assignor.)
American Hair & Felt Company. (See Woodford, Watson H., assignor.)
American Hammered Piston Ring Company, The. (See Koether, Emil A., assignor.)
American Hammered Piston Ring Company. (See Morton, Allen W., assignor.)
American Hammered Piston Ring Company, The. (See Petre, Alexander P., assignor.)

American Hardware Corporation, The. (See Hausmann, William F., assignor.)
American Hardware Corporation, The. (See Hurd, Norman B., assignor.)
American Hardware Corporation, The. (See Moore, Wallace F., assignor.)
American Hardware Corporation, The. (See Stone, Elmer B., assignor.)
American Heat Economy Bureau. (See Paulsen, William R., assignor.)
American Heat Transfer Company, The. (See Newton, Clarence D., assignor.)
American Ice Company. (See Lange, George, assignor.)
American Identification Company. (See Harris, Charles, assignor.)
American Injector Company. (See Souder, Vernon G., assignor.)
American Injector Company. (See Trix, H. B., Metzger, and Souder, assignors.)
American Iron and Machine Works Company. (See Myracle, Hobart M., assignor.)
American Iron and Machine Works Co. (See Owen, Frank M., assignor.)
American Iron and Machine Works Company. (See Powers, George V., assignor.)
American Iron & Machine Works, Inc. (See Lincoln, Robert A., assignor.)
American Iron & Machine Works, Inc. (See Marr, Rizal M., assignor.)
American Kambi Company. (See Wersall, Kark J., assignor.)
American Lace Manufacturing Company, The. (See Hucknall, Hage W., assignor.)
American Lace Paper Company. (See Conrad, Fred A., assignor.)
American La France and Foamite Corporation. (See Gilbert, Victor G. W., assignor.)
American La France and Foamite Corporation. (See Orton, Albert W., assignor.)
American La France and Foamite Corporation. (See Witter, Willis D., assignor.)
American Laundry Machinery Company, The. (See Beattie, William P., assignor.)
American Laundry Machinery Company, The. (See Briscoe, James, assignor.)
American Laundry Machinery Company, The. (See Carroll, Emil J., assignor.)
American Laundry Machinery Company, The. (See Carroll, E. J., and Cutter, assignors.)
American Laundry Machinery Company, The. (See Couch, Forrest J., assignor.)
American Laundry Machinery Company, The. (See Garvey, James M., assignor.)
American Laundry Machinery Company, The. (See Hanney, Angus F., assignor.)
American Laundry Machinery Company, The. (See McCarthy, John E., assignor.)
American Laundry Machinery Company, The. (See Otis, Charles M., assignor.)
American Laundry Machinery Company, The. (See Pauly, Robert C., assignor.)
American Laundry Machinery Company, The. (See Perry, Emanuel J., assignor.)
American Laundry Machinery Co., The. (See Stride, William T., assignor.)
American Laundry Machinery Company, The. (See Taylor, James H., assignor.)
American Laundry Machinery Company, The. (See Waream, C. E., and Johnson, assignors.)
American Lead Pencil Company. (See Kubler, Edwin C., assignor.)
American Lead Pencil Company. (See Van Sickler, Robert, assignor.)
American Lead Pencil Company. (See Weil, Albert T., assignor.)
American Lecithin Corporation. (See Working, Earl B., assignor.)
American Lithographic Company. (See Banzett, William H., assignor.)
American Lithographic Company. (See Burgess, Joseph E., assignor.)
American Lithographic Company. (See Newberry, Fenton S., assignor.)
American Lurgi Corporation. (See Baron von Girsewald, Conway and Neumark, assignors.)
American Lurgi Corporation. (See Conway, Baron von Girsewald, Weidmann, and Roesner, assignors.)
American Lurgi Corporation. (See Engelhardt, Alfred, assignor.)
American Lurgi Corporation. (See Lehrecke, Hans, assignor.)
American Lurgi Corporation. (See Zagorski, Johann, assignor.)
American Machine & Foundry Company. (See Beutel, R. J., and Spliid, assignors.)
American Machine & Foundry Company. (See Broekhuysen, William C., assignor.)
American Machine & Foundry Company. (See Bronander, Wilhelm B., assignor.)
American Machine & Foundry Company. (See Bronander, W. B., and Nejedly, assignors.)
American Machine & Foundry Company. (See Chandler, Robert J. A., assignor.)
American Machine & Foundry Company. (See Cooper, W. E., and Quiroz, assignors.)
American Machine & Foundry Company. (See Coyle, N. L., and Di Anni, assignors.)
American Machine & Foundry Company. (See Di Ianni, Frank, assignor.)
American Machine & Foundry Company. (See Ferenci, Lester, assignor.)
American Machine & Foundry Company. (See Goerke, Henry E., assignor.)
American Machine & Foundry Company. (See Gwinn, George W., assignor.)
American Machine & Foundry Company. (See Hawkins, Wilford J., assignor.)
American Machine & Foundry Company. (See Nejedly, Peter M., assignor.)
American Machine & Foundry Company. (See Podmore, Arthur, assignor.)
American Machine & Foundry Company. (See Rundell, Rupert E., assignor.)
American Machine & Foundry Company. (See Schmitt, Frank R., assignor.)
American Machine & Foundry Company. (See Smith, Franklin S., assignor.)
American Machine & Foundry Company. (See Stein, John A., assignor.)
American Machine and Manufacturing Company. (See Reinstein, M., and Erikson, assignors.)
American Magnesium Corporation. (See Bakken, Herman E., assignor.)
American Magnesium Corporation. (See Wood, Robert T., assignor.)
American Magnesium Metals Corporation. (See Hansgirg, Fritz, assignor.)
American Maize-Products Company. (See Viele, Walter S., assignor.)
American Manganese Steel Company. (See Brune, William H., assignor.)
American Manganese Steel Company. (See Carr, Bradley S., assignor.)
American Manganese Steel Company. (See Clark, John O., assignor.)
American Manganese Steel Company. (See Exton, Alfred H., assignor.)
American Manganese Steel Company. (See Fahrenwald, Frank A., assignor.)
American Manganese Steel Company. (See Knight, Hervey S., assignor.)
American Manganese Steel Company. (See Longenback, Edwin F., assignor.)
American Manganese Steel Company. (See Rorabeck Claude, assignor.)
American Manganese Steel Company. (See Sittig, Arthur R., assignor.)
American Manganese Steel Company. (See Warner, Irving, assignor.)
American Manganese Steel Company. (See Young, Donald H., assignor.)
American Manufacturing Company. (See Gerber, R., Doncaster, and Ewart, assignors.)
American Meter Co. (See Bates, Edmond E., assignor.)
American Mills Company, The. (See Chisholm, Lester B., assignor.)
American Miracle Motors, Ltd. (See Clarke, Douglas F., assignor.)
American Moistening Company. (See Comins, Frank B., assignor.)
American Monorail Company. (See Lawrence, James P., assignor.)
American Motor Corporation. (See Livingston, John L., assignor.)
American Multigraph Co., The. (See Chisholm, Clifton, assignor.)
American Multigraph Co., The. (See Dietz, Valentin, assignor.)
American Multigraph Co. (See Morse, Lawrence H., assignor.)
American Multigraph Co. (See Pierson, R. N., and Carlson, assignors.)
American-National Company, The. (See Weber, John, assignor.)
American Neon Light Corporation. (See Kayatt, Phillip J., assignor.)
American Neon Light Corporation. (See Zons, Frederick W., assignor.)
American New Fashion Silverware Corporation. (See Caiazzo, Ralph, assignor.)
American Oak Leather Company, The. (See Mellor, Gilmore M., assignor.)
American Oil Company, The. (See Wakefield, Arthur T., assignor.)
American Optical Company. (See Baker Nelson M., assignor.)
American Optical Company. (See Boutelle, William H., assignor.)
American Optical Company. (See Cozzens, Charles O., assignor.)
American Optical Company. (See Cunning, William A., assignor.)
American Optical Company. (See Desmond, Daniel, assignor.)
American Optical Company. (See De Zeng, Henry L., assignor.)

American Optical Company. (See Forshey, Elmore A., assignor.)
American Optical Company. (See Gagnon, Louis L., assignor.)
American Optical Company. (See Glancy, Anna E., assignor.)
American Optical Company. (See Johnston, George S., assignor.)
American Optical Company. (See King, Walter G., assignor.)
American Optical Company. (See Maynard, Albert E., assignor.)
American Optical Company. (See Moulton, H. R., and Tillyer, assignors.)
American Optical Company. (See O'Meara, Denis H., assignor.)
American Optical Company. (See Pratt, Arthur J., assignor.)
American Optical Company. (See Reardon, Vincent D., assignor.)
American Optical Company. (See Splaine, Edward M., assignor.)
American Optical Company. (See Tillyer, Edgar D., assignor.)
American Optical Company. (See Tillyer, E. D., and Moulton, assignors.)
American Optical Company. (See Tully, George L., assignor.)
American Optical Company. (See Walsh, Thomas A., jr., assignor.)
American Optical Company. (See Wrighton, W. J., and Tillyer, assignors.)
American Ore Reclamation Company. (See Shallock, Edward W., assignor.)
American Ozone Company. (See Daily, James M., assignor.)
American Pad and Textile Company, The. (See Skeen, W. O., McCullough, and Thomas, assignors.)
American Patents Development Corporation. (See Josephson, W. S., and Slate, assignors.)
American Patents Development Corporation. (See Slate, Thomas B., assignor.)
American Piano Corporation. (See Hickman, Clarence N., assignor.)
American Piano Corporation. (See Stoddard, Charles F., assignor.)
American Piano Corporation. (See Stoddard, C. F., and Hickman, assignors.)
American Pine Chemicals, Inc. (See Schaffer, John C., assignor.)
American Potash & Chemical Corporation. (See Allen, W. H., Gale, and Ritchie, assignors.)
American Potash & Chemical Corporation. (See Burke, W. E., Ritchie, and Peet, assignors.)
American Potash & Chemical Corporation. (See Macdonald, F., Allen, Ritchie, and Manchee, assignors.)
American Potash & Chemical Corporation. (See Mumford, Russell W., assignor.)
American Potash & Chemical Corporation. (See Peet, Robert B., assignor.)
American Propeller Company, The. (See Heath, Spencer, assignor.)
American Propeller Company. (See Stelzer, William, assignor.)
American Protein Corporation. (See Wescott, William B., assignor.)
American Pulley Company, The. (See Bilger, W. A., and Richards, assignors.)
American Pulley Company, The. (See Bowen, Russell H., assignor.)
American Pulley Company, The. (See Everson, Frank T., assignor.)
American Pulley Company, The. (See Munoz, G. C., and Bowen, assignors.)
American Pulley Company, The. (See Watson, D. M., and Munoz, assignors.)
American Radiator Company. (See Brabbée, Charles W., assignor.)
American Radiator Company. (See Davis, Vernon J., assignor.)
American Radiator Company. (See Douglas, Malcolm K., assignor.)
American Radiator Company. (See Eggleston, Lewis W., assignor.)
American Radiator Company. (See Eggleston, L. W., and Dillman, assignors.)
American Radiator Company. (See Geddes, Adam E., assignor.)
American Radiator Company. (See Haskins, Elbert O., assignor.)
American Radiator Company. (See Meloche, Daniel H., assignor.)
American Radiator Company. (See Mertzanoff, André M., assignor.)
American Refractories Institute. (See Phelps, Stuart M., assignor.)
American Refractories Institute. (See Phelps, S. M., and Booze, assignors.)
American Refrigerator Car Company. (See House, S. G., and Snell, assignors.)
American Road Machinery Company. (See Abbe, George C., assignor.)
American Road Machinery Company. (See Char, Isaac, assignor.)
American Road Machinery Company. (See Schmidt, Carl G. A., jr., assignor.)
American Rolling Mill Company, The. (See Barnes, H. C., and Driest, assignors.)
American Rolling Mill Company, The. (See Bolen, Ralph H., assignor.)
American Rolling Mill Company, The. (See Finkbone, Benjamin P., assignor.)
American Rolling Mill Company, The. (See Freeze, Jonathan R., assignor.)
American Rolling Mill Company, The. (See Good, R. C., and Holiday, assignors.)
American Rolling Mill Company, The. (See Hudson, Edwin B., assignor.)
American Rolling Mill Company, The. (See Kramer, Leonard H., assignor.)
American Rolling Mill Company, The. (See Moon, Alva H., assignor.)
American Rolling Mill Company, The. (See Palmer, C. B., and Kronborg, assignors.)
American Rolling Mill Company, The. (See Reeve, George A., assignor.)
American Rolling Mill Company. (See Stresau, Richard, assignor.)
American Rolling Mill Company, The. (See Stringham, William, assignor.)
American Rolling Mill Company, The. (See Wehr, E. R., and Mahlie, assignors.)
American Rolling Mill Company, The. (See Williams, Fred L., assignor.)
American Rubber Company. (See Teague, Merwyn C., assignor.)
American Rubber Company. (See Gibbons, Willis A., assignor.)
American Safety Device Co. (See Davidson, Frederic A., assignor.)
American Safety Device Co. (See Geer, Hobart S., assignor.)
American Safety Device Company. (See Peck, Maurice J., assignor.)
American Safety Navigation Company, The. (See McKenzie, Angus D., assignor.)
American Safety Razor Corporation. (See Behrman, Marcus B., assignor.)
American Safety Razor Corporation. (See Dalkowitz, Godfrey, assignor.)
American Safety Razor Corporation. (See Fischer, Ernest, assignor.)
American Safety Razor Corporation. (See Kaufman, assignor.)
American Safety Razor Corporation. (See Selk, Morris, assignor.)
American Sales Book Company. (See Bottle, Edward K., assignor.)
American Sales Book Company. (See Hagemann, Louis F., assignor.)
American Sales Book Company. (See Phillips, Arthur H., assignor.)
American Sales Book Company. (See Wiswall, William J., assignor.)
American Salpa Corporation. (See MacKay, Alfred, assignor.)
American Saw Mill Machinery Company. (See Neighbour, Wilbur S., assignor.)
American Sealcone Corporation. (See Jones, Ellis L., assignor.)
American Sealcone Corporation. (See Winton, Lewis B., assignor.)
American Seal-Kap Corporation. (See Baum, Ewald G., assignor.)
American Seal-Kap Corporation. (See Goodwin, Carl W., assignor.)
American Seal-Kap Corporation. (See Martin, Harold W., assignor.)
American Seating Company. (See Friend, Keith, assignor.)
American Seating Company. (See Hamilton, George H., assignor.)
American Seating Company. (See Hamilton, G. H., and Chapman, assignors.)
American Seating Company. (See Hanson, Walter M., assignor.)
American Seating Company. (See Merrill, Ralph K., assignor.)
American Seating Company. (See Morgan, Ewing B., assignor.)
American Seating Company. (See Nuberg, Matthys, assignor.)
American Seating Company. (See Vandervoort, Milford T., assignor.)
American Sheet and Tin Plate Company. (See Bennett, Charles W., assignor.)
American Sheet and Tin Plate Company. (See Buccicone, Dario, assignor.)
American Sheet and Tin Plate Company. (See Harding, C. T., and Whetzel, assignors.)
American Sheet and Tin Plate Company. (See Holden, J. H., and Whetzel, assignors.)
American Sheet and Tin Plate Company. (See Lorig, E. T., and Peterson, assignors.)
American Sheet and Tin Plate Company. (See McIlvried, Howard G., assignor.)
American Shoe-Polishing Machine Corp. (See Raschella, Vincent, assignor.)

American Show Case & Mfg. Co. (See Kaufman, Jacob M., assignor.)
American Signs Corporation. (See Schaefer, Frank, assignor.)
American Signs Corporation. (See Schaefer, F., and Duffendack, assignors.)
American Slicing Machine Company. (See Campbell, William J., assignor.)
American Slicing Machine Co. (See Milligan, Abner L., assignor.)
American Slicing Machine Company. (See Wolff, Wallace B., assignor.)
American Smelting and Refining Company. (See Austin, J. F., and McIntosh, assignors.)
American Smelting and Refining Company. (See Betterton, Jesse O., assignor.)
American Smelting and Refining Company. (See Call, Benjamin G., assignor.)
American Smelting and Refining Company. (See Greene, Gerald U., assignor.)
American Smelting and Refining Company. (See Hasche, Rudolph L., assignor.)
American Smelting and Refining Company. (See Hasche, R. L., and Dargan, assignors.)
American Smelting and Refining Company. (See Jones, Thomas D., assignor.)
American Smelting and Refining Company. (See MacMichael, Hugh R., assignor.)
American Smelting and Refining Company. (See Rutherford, Ronald C., assignor.)
American Smelting and Refining Company. (See Wagstaff, Richard A., assignor.)
American Solvent Recovery Corporation. (See Barnebey, Oscar L., assignor.)
American Stamping Co. (See Sherman, H. B., and Ordway, assignors.)
American Standard Watchcase Company. (See Schwarz, Rudolph J., assignor.)
American Steel Foundries. (See Baselt, Walter H., assignor.)
American Steel Foundries. (See Darby, Robert F., assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Steel Foundries. (See Isaacson, Fred A., assignor.)
American Steel Foundries. (See Kayler, Frank H., assignor.)
American Steel Foundries. (See Lorenz, Frederich A., jr., assignor.)
American Steel Package Company, The. (See Behringer, Grover F., assignor.)
American Steel Pipe Co. Inc. (See Johnson, Gustave A., assignor.)
American Steel Products Co. (See Harvey, William D., assignor.)
American Steel Products Co. (See Tolley, Donald B., assignor.)
American Steel and Wire Company of New Jersey, The. (See Hawk, Glenn C., assignor.)
American Steel and Wire Company of New Jersey, The. (See Howe, James F., assignor.)
American Sterilizer Company. (See Jewell, Raymond L., assignor.)
American Sterilizer Company. (See Thomas, George H., assignor.)
American Stove Company. (See Brodbeck, Almer H., assignor.)
American Stove Company. (See Brumbaugh, Isaac V., assignor.)
American Stove Company. (See Kauffman, Lester S., assignor.)
American Stove Company. (See Meacham, Benjamin E., assignor.)
American Stove Company. (See Moecker, Henry, jr., assignor.)
American Stove Company. (See Moecker, H. jr., and Isaac, assignors.)
American Stove Company. (See Moecker, H., jr., and Thompson, assignors.)
American Stove Company. (See Possons, Minard A., assignor.)
American Stove Company. (See Stockstrom, Arthur, assignor.)
American Stove Company. (See Stockstrom, A., and Brumbaugh, assignors.)
American Stove Company. (See Wiedemann, John, assignor.)
American Swiss Company, The. (See Grund, Fletcher D., assignor.)
American Switch Point Protector and Railroad Equipment Company, The. (See Kilburn, Isaac J., assignor.)
American Tar Products Company. (See Clarke, E. W., and Eigenbrot, assignors.)
American Telechronometer Company. (See Babcock, Garrison, assignor.)
American Telephone and Telegraph Company et al. (See Abbott, H. H., assignor, and Entz.)
American Telephone and Telegraph Company. (See Abraham, Leonard G., assignor.)
American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)
American Telephone and Telegraph Company. (See Affel, H. A., and Carpe, assignors.)
American Telephone and Telegraph Company. (See Affel, H. A., and Green, assignors.)
American Telephone and Telegraph Company. (See Almquist, Milton L., assignor.)
American Telephone and Telegraph Company. (See Bailey, R. S., Nelson, and Shipley, assignors.)
American Telephone and Telegraph Company. (See Bartenbach, Herman, assignor.)
American Telephone and Telegraph Company. (See Bartenbach, H., and Spowart, assignors.)
American Telephone and Telegraph Company. (See Bascom, Henry M., assignor.)
American Telephone and Telegraph Company. (See Benjamin F., assignor.)
American Telephone and Telegraph Company. (See Bisbee, Frederick C., assignor.)
American Telephone and Telegraph Company. (See Bonell, Ralph K., assignor.)
American Telephone and Telegraph Company. (See Bouton, Lewis L. assignor.)
American Telephone and Telegraph Company. (See Bown, Ralph, assignor.)
American Telephone and Telegraph Company. (See Bown, R., and Potter, assignors.)
American Telephone and Telegraph Company. (See Brand, S., and Mertz, assignors.)
American Telephone and Telegraph Company. (See Brehman, Luther W., assignor.)
American Telephone and Telegraph Company. (See Broe, Edgar P., assignor.)
American Telephone and Telegraph Company. (See Brown, Ralph, assignor.)
American Telephone and Telegraph Company. (See Bulloch, Harold D., assignor.)
American Telephone and Telegraph Company. (See Burns, Roy W., assignor.)
American Telephone and Telegraph Company. (See Carpe, Allen, assignor.)
American Telephone and Telegraph Company. (See Carson, J. R., and Mead, assignors.)
American Telephone and Telegraph Company. (See Chapman, Arthur G., assignor.)
American Telephone and Telegraph Company. (See Clapp, Robert H., assignor.)
American Telephone and Telegraph Company. (See Clark, Alva B., assignor.)
American Telephone and Telegraph Company. (See Clark, A. B., and Best, assignors.)
American Telephone and Telegraph Company. (See Cory, Samuel I., assignor.)
American Telephone and Telegraph Company. (See Cowan, Frank A., assignor.)
American Telephone and Telegraph Company. (See Coxhead, Harry B., assignor.)
American Telephone and Telegraph Company. (See Crisson, George, assignor.)
American Telephone and Telephone Company. (See Crisson, G., and Wright, assignors.)
American Telephone and Telegraph Company. (See Deardorff, Ralph W., assignor.)
American Telephone and Telegraph Company. (See Drew, George A., assignor.)
American Telephone and Telegraph Company. (See Dunham, B. G., and Fairbairn, assignors.)
American Telephone and Telegraph Company. (See Edwards, P. G., and Harrington, assignors.)
American Telephone and Telegraph Company. (See Edwards, William H., assignor.)
American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
American Telephone and Telegraph Company. (See Espenschied, L., and Affel, assignors.)
American Telephone and Telegraph Company. (See Fetter, Charles H., assignor.)
American Telephone and Telegraph Company. (See Freeman, Albert E., assignor.)
American Telephone and Telegraph Company. (See Freeman, A. E., and Livermore, assignors.)
American Telephone and Telegraph Company. (See Friend, O. A., and Heitsmith, assignors.)
American Telephone and Telegraph Company. (See Gannett, Danforth K., assignor.)
American Telephone and Telegraph Company. (See Gannett, D. K., and Kirkwood, assignors.)
American Telephone and Telegraph Company. (See Green, Estill I., assignor.)
American Telephone and Telegraph Company. (See Green, Irving W., assignor.)
American Telephone and Telegraph Company. (See Haines, William T., assignor.)
American Telephone and Telegraph Company. (See Haislip, Richard A., assignor.)
American Telephone and Telegraph Company. (See Herman, Joseph, assignor.)
American Telephone and Telegraph Company. (See Holden, William H. T., assignor.)
American Telephone and Telegraph Company. (See Hoyt, Ray S., assignor.)
American Telephone and Telegraph Company. (See Kent, Robert J., assignor.)
American Telephone and Telegraph Company. (See Kittredge, Linus E.)
American Telephone and Telegraph Company. (See Kittredge, L. E., and Dorff, assignors.)

American Telephone and Telegraph Company. (See Knandel, George J., assignor.)
American Telephone and Telegraph Company. (See Korthäuer, Theodor, assignor.)
American Telephone and Telegraph Company. (See Labaugh, J. M., and Miller, assignors.)
American Telephone and Telegraph Company. (See Ladner, H., and Welch, assignors.)
American Telephone and Telegraph Company. (See Lewis, Matte, Andrew L., assignor.)
American Telephone and Telegraph Company. (See Lindsay, Russell H., assignor.)
American Telephone and Telegraph Company. (See Loye, Donald P., assignor.)
American Telephone and Telegraph Company. (See Martin, De Loss K., assignor.)
American Telephone and Telegraph Company. (See May, Harold F., assignor.)
American Telephone and Telegraph Company. (See McCann, Thomas A., assignor.)
American Telephone and Telegraph Company. (See McCurdy, Ralph G., assignor.)
American Telephone and Telegraph Company. (See McDavitt, M. B., and Schwantes, assignors.)
American Telephone and Telegraph Company. (See Mertz, Pierre, assignor.)
American Telephone and Telegraph Company. (See Misenheimer, Harvey N., assignor.)
American Telephone and Telegraph Company. (See Mitchell Doren, assignor.)
American Telephone and Telegraph Company. (See Mitchell, D., and Silent, assignors.)
American Telephone and Telegraph Company. (See Montagnon, Jule, assignor.)
American Telephone and Telegraph Company. (See Neeb, Lawrence S., assignor.)
American Telephone and Telegraph Company. (See Newby, Neal D., assignor.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Telephone and Telegraph Company. (See Ohl, Russell S., assignor.)
American Telephone and Telegraph Company. (See Parker, Lee T., assignor.)
American Telephone & Telegraph Company. (See Parker, Ralzemond D., assignor.)
American Telephone and Telegraph Company. (See Parker, R. D., and Best, assignors.)
American Telephone and Telegraph Company. (See Percival, H. S., and Bartlett, assignors.)
American Telephone and Telegraph Company. (See Pfleger, Kenneth W., assignor.)
American Telephone & Telegraph Company. (See Potter, Ralph K., assignor.)
American Telephone and Telegraph Company. (See Putnam, Howard P., assignor.)
American Telephone and Telegraph Company. (See Rea, Wilton T., assignor.)
American Telephone and Telegraph Company. (See Reynolds, Frederick W., assignor.)
American Telephone and Telegraph Company. (See Rice, John S., assignor.)
American Telephone and Telegraph Company. (See Roberts, Leland C., assignor.)
American Telephone and Telegraph Company. (See Schneckloth, Harry H., assignor.)
American Telephone and Telegraph Company. (See Shafer, William L., assignor.)
American Telephone and Telegraph Company. (See Schramm, Fred W., assignor.)
American Telephone and Telegraph Company. (See Shackleton, Samuel P., assignor.)
American Telephone & Telegraph Company. (See Shanck, Roy B., assignor.)
American Telephone and Telegraph Company. (See Silent, Harold C., assignor.)
American Telephone and Telegraph Company. (See Singer, Fred J., assignor.)
American Telephone and Telegraph Company. (See Sithens, Edward J., assignor.)
American Telephone and Telegraph Company. (See Smith, Temple C., assignor.)
American Telephone and Telegraph Company. (See Smith, T. C., Spowart, and Fitzpatrick, assignors.)
American Telephone and Telegraph Company. (See Southworth, George C., assignor.)
American Telephone and Telegraph Company. (See Stern, Arthur B., assignor.)
American Telephone and Telegraph Company. (See Stone, John S., assignor.)
American Telephone and Telegraph Company. (See Taylor, Edmund R., assignor.)
American Telephone and Telegraph Company. (See Thompson, George K., assignor.)
American Telephone and Telegraph Company. (See Thorp, Vaughn P., assignor.)
American Telephone and Telegraph Company. (See Tradup, Albert, assignor.)
American Telephone and Telegraph Company. (See Vernam, Gilbert S., assignor.)
American Telephone and Telegraph Company. (See Volkmar, William A., assignor.)
American Telephone and Telegraph Company. (See von Nostitz, Erich, assignor.)
American Telephone and Telegraph Company. (See Watson, Edward F., assignor.)
American Telephone and Telegraph Company. (See Watson, E. F., and McCann, assignors.)
American Telephone and Telegraph Company. (See Weaver, Allan, assignor.)
American Telephone and Telegraph Company. (See Weaver, A., and Branson, assignors.)
American Telephone and Telegraph Company. (See Weaver, Myron A., assignor.)
American Telephone and Telegraph Company. (See Wintringham, William T., assignor.)
American Telephone and Telegraph Company. (See Wright, S. B., and Mitchell, assignors.)
American Telephone and Telegraph Company. (See Zobel, Otto J., assignor.)
American Textile Co. (See Ball, Ben A., assignor.)
American Therapeutic Gas Company. (See Alsop, James N., assignor.)
American Thermos Bottle Company, The. (See Fink, C. G., and King, assignors.)
American Thermos Bottle Company, The. (See Wetmore, Miner P., assignor.)
American Throttle Company. (See Cavin, Gustave, assignor.)
American Throttle Company. (See McKee, Neal T., assignor.)
American Tobacco Company, The. (See Luckett, William S., assignor.)
American Tobacco Company, The. (See Mallgraf, Ferdinand, assignor.)
American Tobacco Company, The. (See Powell, James A., assignor.)
American Tool & Machine Company. (See Arnold, Henry F., assignor.)
American Tool Works Company, The. (See Robinson, A. E., and Schellenbach, assignors.)
American Tool Works Company, The. (See Schellenbach, William L., assignor.)
American Tractor Equipment Co. (See McMillan, Wesley K., assignor.)
American Transformer Company. (See Hunter, Thomas M., assignor.)
American Tri-Ergon Corporation. (See Vogt, H., Massolle, and Engl, assignors.)
American Tubular Elevator Company. (See Schiller, Morgan B., assignor.)
American Type Founders Company. (See Kelly, William M., assignor.)
American Valve and Meter Company, The. (See Gray, Wallace M., assignor.)
American Valve and Meter Company, The. (See McGarry, John T., assignor.)
American Valve & Meter Company, The. (See Tanner, Robert A., assignor.)
American Voith Contact Company. (See Lang, Richard T., assignor.)
American Voith Contact Co. (See Thaler, Wilhelm, assignor.)
American Welding & Mfg. Company, The. (See Klaus, F. R., and Ray, assignors.)
American Welding & Manufacturing Company, The. (See Klaus, F. R., and Seiberling, assignors.)
American Well Works, The. (See Sperry, John B., assignor.)
American Wilderman-Porous Ebonite Company, The. (See Wilderman, Meyer, assignor.)
American Window Glass Company. (See Forman, Laurence P., assignor.)
American Woodlite Corporation. (See Wood, William G., assignor.)
American Wringer Co. (See Keltie, George R., assignor.)
American Writing Paper Company. (See Lamory, William J., assignor.)
American Yard-O-Meter Corporation. (See Tillman, Ferdinand J., assignor.)
Ames, Butler, Lowell, Mass. Automobile window-curtain controller. 1,798,577; Mar. 31.
Ames, Butler, Lowell, Mass. Electric signaling apparatus. 1,804,195; May 5.
Ames, Butler, Lowell, Mass. Reciprocating apparatus. 1,821,685; Sept. 1.
Ames, Butler, Lowell, Mass. Cosmetic compact. 1,836,832; Dec. 15.
Ames, Butler, Lowell, Mass. Applicator pad for cosmetics. 1,836,833; Dec. 15.
Ames, Charles H., Worcester, Mass. Means for sealing packages. 1,827,636; Oct. 13.
Ames, Edgar. (See Esmond, William G., assignor.)
Ames, Fletcher, Berkeley, assignor to Ames Harris Neville Co., San Francisco, Calif. Hammock. 1,814,579; July 14.
Ames, Harold F., Grand Rapids, Mich. Traction device. 1,824,525; Sept. 22.
Ames Harris Neville Co. (See Ames, Fletcher, assignor.)
Ames, James W., Jersey City, N. J. Method of and apparatus for utilizing waste metal in the production of commercial bars. 1,792,349; Feb. 10.
Ames, James W., Jersey City, N. J. Method of and apparatus for the recovery of matter from waste rubber tires. 1,821,049; Sept. 1.
Ames, Malcolm H. (See Avis, S. W., and Ames.)
Ames Pump Company, Inc. (See Frederick, Rheuel H., assignor.)

Ames, Shirley L., Pasadena, Calif., and L. Day, New York, N. Y., assignors to Chem-Electric Engineering Corporation. Spray-dried sugar. 1,826,701; Oct. 13.
Ames, Warren C., assignor to The Kawneer Company, Niles, Mich. Molding. 1,798,245; Mar. 31.
Ames, William A., Hornell, N. Y. Incandescent bulb shade structure. 1,830,687; Nov. 3.
Ames, William H., Markesan, Wis., assignor, by mesne assignments, to Food Machinery Corporation, San Jose, Calif. Grading machine. 1,833,812; Nov. 24.
Amidon, Charles S., West Willington, Conn. Controlling mechanism for sawmill carriages. 1,811,038; June 23.
Amiel, Max, St. Petersburg, Fla., assignor to Congoleum-Nairn Inc., Kearny, N. J. Linoleum or similar hard-surface floor covering. Des. 83,842; Apr. 7.
Amiesite Asphalt Company of America. (See Hepburn, Donald M., assignor.)
Amiesite Asphalt Company of America. (See Sadtler, Samuel S., assignor.)
Amiesite Asphalt Company of America. (See Sadtler, S. S., and Cayo, assignors.)
Amity Leather Products Co. (See Rolfs, B., and Wege, assignors.)
Ammann, Albert H., assignor to Jostam Manufacturing Co., Chicago, Ill. Recoil pad for guns. 1,805,273; May 12.
Ammann, Albert H., assignor to Jostam Manufacturing Co., Chicago, Ill. Recoil pad. 1,822,875; Sept. 15.
Ammerman, Carl S., Bethlehem, Pa., assignor to Bethlehem Steel Company. Rail anchor. 1,791,183; Feb. 3.
Ammon, Charles D., Lincoln, Nebr. Cultivator. 1,821,370; Sept. 1.
Ammon, Charles D., Lincoln, Nebr. Leaf guard. 1,821,371; Sept. 1.
Amodeo, Lorenzo, New York, N. Y. Observation bus. 1,814,884; July 14.
Amoit, Félix, assignor to Société d'Emboutissage et de Constructions Mécaniques, Colombes, France. Hollow frame assembly. 1,803,494; May 5.
Amon, Joseph, Forest Hills, N. Y. Automatic lubricating system. 1,790,639; Feb. 3.
Amon, Joseph, Rahway, N. J. Thread guide. 1,838,245; Dec. 29.
Amos, John A., assignor to The Pyle-National Company, Chicago, Ill. Electric switch. 1,820,339; Aug. 25.
Amplex Engineering Corporation. (See Rietmann, J. A., and Radics, assignors.)
Amrad Corporation, The. (See Orswell, Israel C., assignor.)
Amrein Freudenberg Co. Inc. (See Freudenberg, Ernest W., assignor.)
Ams, Max, Machine Company, The. (See Lange, Paul H., assignor.)
Amsden & Barnard Inc. (See Amsden, Eugene C., assignor.)
Amsden, Eugene C., assignor to Amsden & Barnard, Inc., Boston, Mass. Tunnel lining unit. 1,805,435; May 12.
Amsden, Jay M., Ashtabula, assignor to The M. A. Hanna Company, Cleveland, Ohio. Material handling apparatus. 1,833,102; Nov. 24.
Amsden, Nelson E., Cleveland Heights, assignor to The Kaynee Company, Cleveland, Ohio. Advertising folder and display. 1,827,964; Oct. 20.
Amsden, Ralph D., Lynn, Mass., assignor to General Electric Company. Electrical filter. 1,808,589; June 2.
Amsler-Morton Company. (See Morton, William A., assignor.)
Amsler Morton Company, The. (See Morton, W. A., and Nielsen, assignors.)
Amsler, Walter O., Toledo, Ohio, assignor to Simplex Engineering Company. Method of and apparatus for annealing articles of glassware. 1,837,311; Dec. 22.
Amsterdam Brothers. (See Christoph, Hans W., assignor.)
Amstutz, H. H., et al. (See Yaggy, Menno, assignor.)
Amstutz, Noah S. (See Myers, L. E., and Amstutz.)
Amstutz, Noah S. (See Sievers, Arthur W., assignor.)
Amundsen, Ivar, Oslo, Norway. Refrigerator of the adsorption type. 1,815,961; July 28.
Amusement Machine Corporation, Ltd. (See Miner, George H., assignor.)
Amy, Ernest V., New York, N. Y., assignor to Radio Corporation of America. Battery substitute. 1,789,348; Jan. 20.
Anacker, Karl. (See Schneevoigt, A., and Anacker.)
Anaconda Copper Mining Company. (See Mitchell, Willard E., assignor.)
Anaconda Copper Mining Company et al. (See Smith, W. C., and Mack, assignors.)
Anaconda Sales Company. (See Brophy, Thomas D., assignor.)
Anaconda Sales Company. (See Cumfer, Ronald A., assignor.)
Anaconda Sales Company. (See Drake, Ralph E., assignor.)
Anaconda Sales Company. (See Levin, Harold L., assignor.)
Anaconda Sales Company. (See Macan, Harry C., assignor.)
Anaconda Sales Company. (See Robinson, Thomas, assignor.)
Anaconda Sales Company. (See Shakespeare, William M., assignor.)
Anaconda Sales Company. (See Yates, Charles E., assignor.)
Anaconda Sales Company. (See Yates, C. E., and Macan, assignors.)
Anaconda Wire and Cable Company. (See Kennedy, Joseph A., assignor.)
Anania, James A., Harrison, assignor of ten per cent to M. Rosenthal, Newark, N. J. Fire apparatus. 1,835,132; Dec. 8.
Anchor Cap & Closure Corporation. (See Clark, Robert G., assignor.)
Anchor Cap & Closure Corporation. (See Hammer, Charles, assignor.)
Anchor Cap & Closure Corporation. (See Hardiman, James S., assignor.)
Anchor Cap & Closure Corporation. (See Podel, Abraham, assignor.)
Anchor Cap & Closure Corporation. (See Scofield, Edgar, assignor.)
Anchor, Charles J., Milton, Pa., assignor to American Car and Foundry Company, New York, N. Y. Method of and apparatus for flanging metal. 1,827,452; Oct. 13.
Anchor Fireproofing Company. (See Martin, Charles A., assignor.)
Anchor Weather Strip Company. (See Classon, Eric R., assignor.)
Anchors, Ralph E., Washington, Pa. Cross-chain for automobile tire-chains. 1,838,127; Dec. 29.
Anciens Etablissements Barbier, Benard & Turenne, Société Anonyme. (See Bénard, Henri L. M. J., assignor.)
Ancira Lock & Seal Corporation. (See Stillman, Allen P., assignor.)
Ancira Lock & Seal Corporation. (See Street, Frederick G., assignor.)
Andale Company. (See McNeal, Daniel R., assignor.)
Andale Engineering Company. (See McNeal, Daniel R., assignor.)
Anderau, Walter. (See Straub, F., and Anderau.)
Anderberg, Oscar T., Mason City, Iowa. Building construction. 1,805,538; May 19.
Anderegg, Henry, Johnson City, Tex. Automatic gate. 1,791,339; Feb. 3.
Andernach, August W., Beuel, Germany. Manufacturing papers, pasteboards, felts, and the like. 1,808,590; June 2.
Anders, Ernst R., Dresden-Blasewitz, Germany. Tea and like infuser. 1,795,535; Mar. 10.
Anders, Otto, Berlin-Schmargendorf, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, bei Berlin, Germany. Telephone system. 1,827,061; Oct. 13.
Andersen, Alex, assignor of one-half to G. Mathesen, Seattle, Wash. Aircraft. 1,822,386; Sept. 8.
Andersen, Andrew C., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window regulator mechanism. 1,816,166; July 28.
Andersen, Axel C., Borregaard, near Sarpsborg, Norway. Apparatus for measuring the contents of moisture in chemical and mechanical wood pulp. 1,821,605; Sept. 1.
Andersen, Axel J., San Francisco, Calif. Bread packing machine. 1,828,238; Oct. 20.
Andersen-Eadie Manufacturing Corporation. (See Andersen, T. and T. K., assignors.)
Andersen Frame Corporation. (See Johnson, Arthur B., assignor.)
Andersen Frame Corporation. (See Swanson, Earl C., assignor.)
Andersen, Johan M., Brookline, assignor to A. & J. M. Anderson Manufacturing Company, Boston, Mass. Circuit controller. 1,796,229; Mar. 10.
Andersen, Lauritz W., Waterbury, Conn. Electric lamp shade. 1,801,991; Apr. 21.
Andersen, Lauritz W., Waterbury, Conn. Twin socket lamp fixture. 1,829,328; Oct. 27.
Andersen, Niels K., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,817,431; Aug. 4.
Andersen, Oscar W., Oak Park, assignor to Pettibone Mulliken Company, Chicago, Ill. Dipper tooth. 1,815,819; July 21.
Andersen, Oscar W., Oak Park, assignor to Pettibone Mulliken Company, Chicago, Ill. Dipper tooth. 1,815,820; July 21.
Andersen, Oscar W., Oak Park, assignor to Pettibone Mulliken Company, Chicago, Ill. Dashpot mechanism. 1,828,383; Oct. 20.
Andersen, Peter J., San Francisco, Calif. Attachment for vacuum cleaners. 1,828,584; Oct. 20.
Andersen, Tengel and T. K., Port Richmond, N. Y., assignors to Andersen-Eadie Manufacturing Corporation. Attachment for tractors. 1,831,222; Nov. 10.
Andersen, Thomas K. (See Andersen, T. and T. K.)
Anderson, Albert & J. M., Manufacturing Company. (See Andersen, Johan M., assignor.)
Anderson, Albert & J. M., Manufacturing Company. (See Reynolds, Charles H., assignor.)
Anderson, Alexander, Fullerton Calif. Bore hole-surveying apparatus. 1,801,132; Apr. 14.
Anderson, Alexander, Fullerton, Calif. Bore hole directional apparatus and method of orientation. 1,830,345; Nov. 3.
Anderson, Alexander G., Whiteland, Ind. Wireless receiving static eliminator. 1,803,419; May 5.

Anderson, Anders A. (See Fitz Gerald, A. G., and Anderson.)
Anderson, Andrew G., Wollaston, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Closure element. 1,800,173; Apr. 7.
Anderson, Andrew M., Newfield, N. J. Self-sealing jar. 1,791,259; Feb. 3.
Anderson, Anton, Chicago, Ill. Hinge. 1,821,606; Sept. 1.
Anderson, Arthur J., Binford, N. Dak. Adhesive tape or bandage box. 1,829,577; Oct. 27.
Anderson, Arthur N., Crafton, Pa. Voltage control system. 1,817,334; Aug. 4.
Anderson, Arthur R., North Arlington, N. J. Shoe tree. 1,808,828; June 9.
Anderson, Arvid, Chicago, Ill., assignor to Morton Manufacturing Company. Forming panels in sheets. 1,837,391; Dec. 22.
Anderson, Arvid E., Lansdowne, Pa., assignor to General Electric Company. Automatic control system. 1,793,384; Feb. 17.
Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)
Anderson, Bernard H., assignor to General Motors Corporation, Detroit, Mich. Brake. 1,805,274; May 12.
Anderson, Bertil. (See Carlson, Enoch W., assignor.)
Anderson Brass Works, Inc. (See Schuler, Robert E., assignor.)
Anderson, Brooks N., Norfolk, Va. Material-transfer mechanism. 1,792,960; Feb. 17.
Anderson, Calvin M., Columbus, Ohio. Fishing rod construction. 1,811,419; June 23.
Anderson, Carl E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Cap and shell fastening. 1,795,274; Mar. 3.
Anderson, Carl O. (See Davis, Anderson, Stengl, Smith, and Hanley.)
Anderson, Carl W., New Market, assignor of one-half to William Umont, Dunellen, N. J. Scum removing device. 1,808,279; June 2.
Anderson, Carlo. (See Davis, S. H., Anderson, Smith, and Hanley.)
Anderson, Carlo. (See Davis, S. H., Anderson, Stengl, Smith, and Hanley.)
Anderson, Charles, Eltingville, Staten Island, N. Y. Hand truck. 1,820,765; Aug. 25.
Anderson, Charles L., Ravenswood, W. Va. Brooder. 1,804,242; May 5.
Anderson, Charles L., Augusta, and G. H. Young, Eldorado, Kans. Jack. 1,838,168; Dec. 29.
Anderson, Charles M., Hastings, Nebr., and J. H. Cope, Denver, Colo.; said Cope assignor to said Anderson. Land roller. 1,798,393; Mar. 31.
Anderson, Charles P., Scarbro, W. Va. Treating coal. 1,807,817; June 2.
Anderson, Clarence A., assignor, by mesne assignments, to American Electric Company, Inc., Chicago, Ill. Telephone system. 1,827,734; Oct. 20.
Anderson, Clarence A., assignor, by mesne assignments, to American Electric Company, Inc., Chicago, Ill. Test set. 1,835,255; Dec. 8.
Anderson, Clarence A., assignor, by mesne assignments, to American Electric Company, Inc., Chicago, Ill. Telephone system. 1,835,256; Dec. 8.
Anderson, Clarence J. (See Miller, S. L., and Anderson.)
Anderson, Clifford H., et al. (See Englund, Edwin H. L., assignor.)
Anderson, D., & Sons Limited. (See Reid, Leslie, K., assignor.)
Anderson, Daniel G., assignor to Barker Bros., Incorporated, Los Angeles, Calif. Table desk. 1,838,352; Dec. 29.
Anderson, David E., St. Paul, Minn. Multi-angular switch point. 1,812,644; June 30.
Anderson David L., Halifax, Mass. Game board. Des. 83,891; Apr. 14.
Anderson, David P., jr., Pittsburgh, Pa. Botting apparatus. 1,835,838; Dec. 8.
Anderson, Donald D., Clackamas, Oreg. Amusement device. 1,827,344; Oct. 13.
Anderson, Douglas, Pocatello, Idaho. Hose coupling. 1,822,259; Sept. 8.
Anderson, Dwight M., and A. W. McNeish, East Cleveland, Ohio. Fastening for hub caps, radiator caps, and gasoline tank caps. 1,817,794; Aug. 4.
Anderson, E. D., Inc. (See Hendry, William F., assignor.)
Anderson, Edmund A. (See Peirce, W. M., and Anderson.)
Anderson, Edmund A., and E. H. Kelton, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Wrought zinc product. 1,835,450; Dec. 8.
Anderson, Edward, assignor, by mesne assignments, to Simonds Worden White Company. Knockdown mold. 1,838,518; Dec. 29.
Anderson, Edward L., Grosse Ile, assignor to American Blower Corporation, Detroit, Mich. Blower. 1,787,652; Jan. 6.
Anderson, Edward L., Grosse Ile, assignor to American Blower Corporation, Detroit, Mich. Fan volume and pressure control. 1,787,653; Jan. 6.
Anderson, Edward L., Grosse Ile, assignor to American Blower Corporation, Detroit, Mich. Apparatus and method of controlling fans. 1,787,654; Jan. 6.
Anderson, Edward L., Grosse Ile, assignor to American Blower Corporation, Detroit, Mich. Apparatus and method of controlling fans. 1,787,655; Jan. 6.
Anderson, Edward L., Grosse Ile, assignor to American Blower Corporation, Detroit, Mich. Induction flow inlet fan. 1,787,656; Jan. 6.
Anderson, Edward L., Grosse Ile, assignor to American Blower Corporation, Detroit, Mich. Unit heater and ventilator. 1,823,579; Sept. 15.
Anderson, Edward L., Grosse Ile, assignor to American Blower Corporation, Detroit, Mich. Line flow fan. 1,838,169; Dec. 29.
Anderson, Edward V., Belle Vernon, assignor of one-half to C. E. Golden, Crafton, Pa. Valve. 1,788,789; Jan. 13.
Anderson, Edwin, Los Angeles, Calif. Venetian blind bracket. 1,829,718; Oct. 27.
Anderson, Edwin O., Jersey City, N. J. Motor control system for electric elevator installations. 1,814,501; July 14.
Anderson, Eli J., assignor of one-half to L. B. Smith, Sheridan, Wyo. Gate fastener. 1,822,640; Sept. 8.
Anderson, Elzer D., Chicago, Ill., and I. E. Dearsley, assignors to Walker Manufacturing Company, Racine, Wis. Adjustable horse. 1,794,052; Feb. 24.
Anderson, Emil C., Downers Grove, Ill. Corrugated metallic wall plate. 1,826,859; Oct. 13.
Anderson, Erick T., assignor to The Skayef Ball Bearing Company, Hartford, Conn. Gauging apparatus. 1,818,968; Aug. 18.
Anderson, Ernest D. (See Aulbach, C. J., and Anderson.)
Anderson, Ernest H. B. (See Parsons, C. A., and Anderson.)
Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Fluid-tight coupling. 1,788,365; Jan. 13.
Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Adjustable connecter. 1,788,366; Jan. 13.
Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Controlling means for spot lamps. 1,794,133; Feb. 24.
Anderson, Ernst G. K., Evanston, Ill, assignor to Appleton Electric Company. Connecter between conduits or cables and outlet boxes. 1,794,505; Mar. 3.
Anderson, Evald, Alhambra, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for electrical precipitation of suspended material from gases. 1,793,664; Feb. 24.
Anderson, Evald, Alhambra, assignor to International Precipitation Company, Los Angeles, Calif. Electrode for electrical precipitation apparatus. 1,793,665; Feb. 24.
Anderson, Evald, Alhambra, assignor to International Precipitation Company, Los Angeles, Calif. Method and apparatus for burning Portland cement. 1,828,270; Oct. 20.
Anderson, Frank A. (See McElroy, R. B., and Anderson.)
Anderson, Frank E., Douglas, assignor of one-fourth to L. Doyle, Parkerton, Wyo. Envelope opener. 1,833,549; Nov. 24.
Anderson, Frank H., Birmingham, Ala. Chair. 1,825,846; Oct. 6.
Anderson, Frank J., Fort Dodge, Iowa. Cross-arm wire clamp. 1,798,777; Mar. 31.
Anderson, Fred E. (See Andrews, C. W., and Anderson.)
Anderson, Fritz A., assignor to The Burdick Corporation, Milton, Wis. Portable massage and exercise machine. 1,808,333; June 2.
Anderson, Fritz A., assignor to The Burdick Corporation, Milton, Wis. Therapeutic lamp unit. 1,817,027; Aug. 4.
Anderson, Fritz A., assignor to The Burdick Corporation, Milton, Wis. Massage and exercise machine. 1,830,380; Nov. 3.
Anderson, Gabriel W., Chula Vista, Calif., assignor to Gas Furnace Control Co. Electromagnetic valve. 1,826,269; Oct. 6.
Anderson, Garfield C., et al. (See Englund, Edwin H. L., assignor.)
Anderson, George, Biggar, Saskatchewan, Canada. Winged screw propeller for aircraft. 1,801,216; Apr. 14.
Anderson, George, Chicago, Ill. Detachable ventilating shade bracket. 1,810,099; June 16.
Anderson, George A., et al. (See Roust, Henry A., assignor.)
Anderson, George G., St. Louis, Mo., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Account-finding apparatus. 1,790,453; Jan. 27.
Anderson, Geo. W. (See Wells, Don W., assignor.)
Anderson, Gilbert V., assignor to Congoleum-Nairn Inc., Philadelphia, Pa. Machine for making inlaid floor coverings. 1,810,869; June 16.
Anderson, Gordon R., Indianapolis, Ind., assignor to Fairbanks, Morse & Co., Chicago, Ill. Protecting and heat-radiating means for electric motors. 1,794,663; Mar. 3.
Anderson, Gust A., Rockford, Ill. Match box container and holder. 1,803,989; May 5.
Anderson, Gustav H. (See Hart, M. S., and Anderson.)
Anderson, Harley E., assignor to Gustin-Bacon Manufacturing Co., Kansas City, Mo. Automatic slack adjuster for brake rigging. 1,790,362; Jan. 27.
Anderson, Harley E., assignor to Gustin-Bacon Manufacturing Company, Kansas City, Mo. Railway car hand brake. 1,810,116; June 16.

Anderson, Harley E., assignor to Gustin-Bacon Manufacturing Company, Kansas City, Mo. Rod or pipe clamp. 1,815,644; July 21.

Anderson, Harley E., assignor to Gustin-Bacon Manufacturing Co., Kansas City, Mo. Folding adjustable locomotive cab seat. 1,826,643; Oct. 6.

Anderson, Harry E., La Junta, Colo. Automatic oiler for journal bearings. 1,832,956; Nov. 24.

Anderson, Harry P. H. (See Henderson, A., and Anderson.)

Anderson, Harry T., Butler, Pa. Locking device. 1,798,578; Mar. 31.

Anderson, Harvey A. (See Harrison, H. C., and Anderson.)

Anderson, Helmer, Minneapolis, Minn., assignor, by mesne assignments, to General Mills, Inc. Reversing mechanism. 1,818,664; Aug. 11.

Anderson, Henry P., Kansas City, Mo. Attachment for smoke boxes of locomotives. 1,798,053; Mar. 24.

Anderson, Herman E. (See Strom, J., and Anderson.)

Anderson, Herman, and R. J. Gannon, assignors to Jas. H. Matthews & Company, Pittsburgh, Pa. Stenciling device. 1,811,167; June 23.

Anderson, Homer G., Caldwell, N. J., assignor to Westinghouse Lamp Company. Fuse to protect current meters. 1,830,216; Nov. 3.

Anderson, Homer G., Caldwell, N. J., assignor to Westingtouse Lamp Company. Measuring temperatures. 1,838,728; Dec. 29.

Anderson, Howard P., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive tender. 1,829,733; Nov. 3.

Anderson, Hugh E. (See Watson, J. H., and Anderson.)

Anderson, Hugh W., Hollywood, Calif., assignor to Health Devices, Inc., Cincinnati, Ohio. Reducing and exercising machine. 1,833,103; Nov. 24.

Anderson, James. (See Ellison, G., and Anderson.)

Anderson, James B., Shaler, Township, Allegheny County, Pa. Gas-heated soldering iron. 1,831,799; Nov. 17.

Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Portable cutting and welding machine. 1,811,835; June 30.

Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Installing welded pipe systems and fittings therefor. 1,826,377; Oct. 6.

Anderson, James L., Tenafly, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Torch. 1,827,697; Oct. 13.

Anderson, James L., Tenafly, and F. E. Rogers, East Orange, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y. Template controlled apparatus. 1,839,170; Dec. 29.

Anderson, James W., administrator. (See Hill, Percy L.)

Anderson, James W., assignor to Monarch Governor Co., Detroit, Mich. Spring device. 1,788,373; Jan. 13.

Anderson, Jason T., Harrisburg, Oreg. Automatic self-servicing device for mercantile stores. 1,788,759; Jan. 13.

Anderson, Jesse I., assignor to J. I. Holcomb Manufacturing Company, Indianapolis, Ind. Making coil-cleaning brushes. 1,793,768; Feb. 24.

Anderson, Johan A., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,816,352; July 28.

Anderson, Johan A., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,819,695; Aug. 18.

Anderson, John. (See Bell, J. E., and Anderson.)

Anderson, John, New York, N. Y. Spring motor. 1,796,183; Mar. 10.

Anderson, John A. (See Keating, A. E., and Anderson.)

Anderson, John C., Keyport, N. J. Conveyer belt. 1,816,559; July 28.

Anderson, John C., Keyport, N. J. Conveyer belt. 1,816,560; July 28.

Anderson, John C., Keyport, N. J. Conveyer belt. 1,816,561; July 28.

Anderson, John E., assignor to Plibrico Jointless Firebrick Company, Chicago, Ill. Furnace-wall construction. 1,787,464; Jan. 6.

Anderson, John E., assignor to Kingsbury Machine Tool Corporation, Keene, N. H. Ejector for taper-shank-cutting tools. 1,788,268; Jan. 6.

Anderson, John E., assignor to Plibrico Jointless Firebrick Company, Chicago, Ill. Furnace construction. 1,815,891; July 28.

Anderson, John H., Detroit, Mich. assignor to Altithermo Engineering Company. Apparatus for cracking and distilling hydrocarbons. 1,800,672; Apr. 14.

Anderson, John N., Hoboken, N. J., assignor to Otis Elevator Company, New York, N. Y. Elevator system. 1,837,643; Dec. 22.

Anderson, John P. (See Schmohl, A. C., and Anderson.)

Anderson, John P., Koppel, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Dump car door locking mechanism. 1,834,366; Dec. 1.

Anderson, John P., Koppel, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Dump car. 1,834,367; Dec. 1.

Anderson, John W., Gary, Ind. Cleaning apparatus. 1,832,441; Nov. 17.

Anderson, John W., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Engine. 1,824,800; Sept. 29.

Anderson, Jonas E., Proctor, Vt. Electrical fishing apparatus. 1,838,981; Dec. 29.

Anderson, Kenneth C., Clinton, Iowa. Apparatus for washing, dyeing, or otherwise treating articles with liquids. 1,796,312; Mar. 17.

Anderson, Lawrence H., Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill. Electric coil manufacture. 1,836,948; Dec. 15.

Anderson, Lloyd. (See North, E. W., and Anderson.)

Anderson, Malcolm W., Miami, Fla. Leggings. 1,794,506; Mar. 3.

Anderson, Martin E. (See Bancroft, G. J., and Anderson.)

Anderson, Martin J., assignor to Mathews Conveyer Company, Ellwood City, Pa. Conveying apparatus. 1,825,037; Sept. 29.

Anderson, Martin J., assignor to Mathews Conveyer Company, Ellwood City, Pa. Conveying apparatus. 1,825,038; Sept. 29.

Anderson, Maurice, Edgewood, R. I. Bracelet chain. 1,833,013; Nov. 24.

Anderson, Maurice, Edgewood, Cranston, assignor to Levy, Anderson Co., Inc., Providence, R. I. Bracelet chain. Re18,230; Oct. 20.

Anderson, Maurice, Edgewood, assignor to Levy Anderson Co. Inc., Providence, R. I. Extension device. 1,809,618; June 9.

Anderson, Maurice, Edgewood, assignor to Levy, Anderson Co., Inc., Providence, R. I. Bracelet chain. 1,810,590; June 16.

Anderson, Merrill, New York, N. Y. Advertising, educational, or amusement device or the like. 1,816,353; July 28.

Anderson, Merrill, New York, N. Y. Safety razor blade. 1,825,766; Oct. 6.

Anderson, Merrill, New York, N. Y. Safety razor blade. 1,825,767; Oct. 6.

Anderson Mill Supply Company. (See Anderson, Walter, assignor.)

Anderson, Morris H., Dwight, Ill. Safety cage for banks. 1,823,580; Sept. 15.

Anderson, Myron E., Coeur d'Alene, Idaho. Pack frame. 1,816,510; July 28.

Anderson, Norman T. (See Sweeley, E. A., and Anderson.)

Anderson, Oscar M. (See Juengst, F. W., and Anderson.)

Anderson, Otto, Poulsbo, Wash. Adjustable headlight. 1,792,475; Feb. 17.

Anderson, Otto, Poulsbo, Wash. Wire stretcher. 1,830,047; Nov. 3.

Anderson, Raymond M., assignor to G. M. Holley, Detroit, Mich. Downdraft carburetor. 1,815,645; July 21.

Anderson, Raymond T., assignor to The V. D. Anderson Campany, Cleveland, Ohio. Press. 1,820,590; Aug. 25.

Anderson, Rexford O., Houston, Tex. Core engaging device. 1,807,953; June 2.

Anderson, Rexford O., Houston, Tex. Core barrel valve. 1,818,981; Aug. 18.

Anderson, Robert. (See Coates, F., and Anderson.)

Anderson, Robert E., assignor to Roberson Art Tile Company, Morrisville, Pa. Sagger. 1,832,442; Nov. 17.

Anderson, Robert G. (See Jupp, W. B., and Anderson.)

Anderson, Robert G. (See Masury, A. F., Jupp, and Anderson.)

Anderson, Robert G., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Removable pedestal liner. 1,815,457; July 21.

Anderson, Robert G., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Brake rigging. 1,820,723; Aug. 25.

Anderson, Robert G., Harborcreek, Pa., assignor to General Electric Company. Resilient gear. 1,824,648; Sept. 22.

Anderson, Robert H., assignor of one-half A. B. Bowman, San Diego, Calif. Jig saw. 1,820,294; Aug. 25.

Anderson, Robert J., assignor to Fairmount Manufacturing Company, Fairmount, W. Va. Treating metals with nitrogen. 1,802,693; Apr. 28

Anderson, Robert J., Whitman, assignor to National Fireworks, Inc., West Hanover, Mass. Marine signal. 1,815,226; July 21.

Anderson, Robert J., Whitman, assignor to National Fireworks, Inc., West Hanover, Mass. Aerial flare. 1,817,503; Aug. 4.

Anderson, Roland G., New Haven, Conn., assignor, by mesne assignments, to Wellman Company, Medford, Mass. Embossing rubber. 1,807,024; May 26.

Anderson, Roy A. (See Judd, P. L., Atkinson, and Anderson.)

Anderson, Ruperty, Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,807,954; June 2.

Anderson, Russell J., assignor to Belle City Malleable Iron Company, Racine, Wis. Skimming tool. 1,827,503; Oct. 13.

Anderson, Russell J., assignor to Belle City Malleable Iron Company, Racine, Wis. Skimmer. 1,827,504; Oct. 13.

Anderson, Russell T., Denver, Colo. Connecting rod aligning gauge. 1,805,475; May 19.

Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Boston, Mass. Fluid-conditioning method and apparatus. 1,789,268; Jan. 13.

Anderson, Samuel M., assignor to B. F. Sturtevant Company, Hyde Park, Mass. Air conditioning apparatus. 1,813,692; July 7.

Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Boston, Mass. Air conditioning method and apparatus. 1,830,182; Nov. 3.
Anderson, Sievert Theodore, Chicago, Ill. Recoil pad or similar article. Des. 83,086; Jan. 20.
Anderson, Sievert T., Chicago, Ill. Trousers. 1,829,917; Nov. 3.
Anderson, Sigurd E., Des Moines, Iowa. Silo door frame and ladder construction. 1,811,486; June 23.
Anderson, Thomas F. (See Carpenter, R. F., and Anderson.)
Anderson, Torval J., Chicago, Ill. Shaper head for wood working machines. 1,808,395; June 2.
Anderson, V. D., Company, The. (See Anderson, Raymond T., assignor.)
Anderson, W. L., et al. (See Martin, James E., assignor.)
Anderson, Walter, assignor to Anderson Mill Supply Company, Killingly, Conn. Lug strap for looms. 1,790,966; Feb. 3.
Anderson, Will, Minneapolis, Minn. Trap. 1,807,463; May 26.
Anderson, William. (See Beggren, Eric N., assignor.)
Anderson, William, Chicago, Ill. Filing machine. 1,836,741; Dec. 15.
Anderson, Wm., Textile Mfg. Co. (See Brice, Stephen H., assignor.)
Anderson, William A., Hightstown, N. J. Lawn mower. 1,802,304; Apr. 21.
Anderson, William G., Seattle, Wash. Cultivator. 1,792,947; Feb. 10.
Anderson, William M. (See Lofgren, E. G. C., and Anderson.)
Anderson, William T., jr., and L. F. Bird, assignors to Hanovia Chemical and Manufacturing Company, Newark, N. J. Electromechanical starting device for quartz mercury arc lamps. 1,838,033; Dec. 22.
Anderson, William T., jr., and L. F. Bird, assignors to Hanovia Chemical and Manufacturing Company, Newark, N. J. Dry contact rectifier plate. 1,838,068; Dec. 22.
Andersson, Arvid, assignor to Peerless Machinery Company, Boston, Mass. Cementing machine. 1,794,353; Feb. 24.
Andersson, Gustav H., Stockholm, and Sven A. B. Dahlgren, Alsten, Sweden, assignors to the De Laval Separator Company, New York, N. Y. Centrifuge. 1,821,607; Sept. 1.
Andersson, Hjalmar, Klippan, Sweden. Paper-rolling machine. 1,823,581; Sept. 15.
Andersson, Ivan, Long Island City, N. Y. Airplane. 1,793,349; Feb. 17.
Andersson, Pelle, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Expension joint. 1,792,469; Feb. 17.
Andersson, Pelle, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Condenser. 1,792,796; Feb. 17.
Andersson, Wilhelm, Seattle, Wash. Hydraulic pump. 1,798,646; Mar. 31.
Andrake, Andrew A., assignor to The Glenn L. Martin Company, Cleveland, Ohio. Fuel tank and making the same. 1,811,659; June 23.
Andrake, Andrew A., assignor to The Glenn L. Martin Company, Baltimore, Md. Tank carrier. 1,834,511; Dec. 1.
Andrassy, Joseph, Cleveland, Ohio. Dispensing receptacle. 1,813,131; July 7.
Andre, Emanuel, Green Bay, Wis. Band saw guard. 1,811,906; June 30.
Andre, Frank V., Sewickley, and H. A. Davis, New Brighton, Pa. Aquatic amusement apparatus. 1,804,075; May 5.
Andre, Gustaf E., assignor to Belden Manufacturing Company, Chicago, Ill. Ground connecter. 1,809,009; June 9.
André, Henri, Paris, France. Variable conductor of high negative temperature co-efficient. 1,820,591; Aug. 25.
André, Henri G., Paris, France. Conductor of high negative temperature coefficient. 1,829,553; Oct. 27.
André, Henri G., Suresnes, France. Unilateral conductor for rectifying alternating currents. 1,830,500; Nov. 3.
André, Henri G., Paris, France. Unilateral conductor for rectifying alternating currents. 1,830,501; Nov. 3.
André, Henri, and A. Monnier, Paris, France. Static device for the automatic and progressive closing of electric circuits. 1,788,970; Jan. 13.
Andre, Theodore B., London, England. Fastening device. 1,829,432; Oct. 27.
Andrea, F. A. D., Inc. (See Ritter, Emil C., assignor.)
Andreasen, Alfred C., Oak Park, Ill., assignor to Air-Way Pump Company, Chicago, Ill. Pump. Re18,167; Aug. 25.
Andreasen, Alfred C., Oak Park, assignor to Air-Way Pump Company, Chicago, Ill. Combination hose end indicator and valve. 1,805,476; May 19.
Andreason, Jens P., Bostwick, Nebr. Trailer hitch. 1,827,832; Oct. 20.
Andreasson, Rudolf W., Detroit, Mich. Tool holder. 1,814,655; July 14.
Andreasson, Rudolf W., Detroit, Mich. Universal drill holder. 1,837,392; Dec. 22.
Andree, Clarence A., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Acoustometer. 1,812,030; June 30.
Andreianow, Boris P., Moscow, Union of the Socialist Soviet Republics. Rail fastening device. 1,812,917; July 7.
Andren, Birger T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric welding thick metal plates. 1,790,738; Feb. 3.
Andrén, Karl H., and H. T. Olsen, assignors to Artos Engineering Company, Milwaukee, Wis. Cutting machine. 1,787,657; Jan. 6.
Andrén, Karl H., and H. T. Olsen, assignors to Artos Engineering Company, Milwaukee, Wis. Cutting and stripping machine. 1,787,658; Jan. 6.
Andres, Edward M., assignor of one-half to R. W. Tallman, Gunnison, Colo. Graphic chart. Re17,943; Feb. 3.
Andres, Edward M., Phoenix, Ariz., assignor of one-half to R. W. Tallman, Gunnison, Colo. Graphic chart. 1,810,334; June 16.
Andres, Edward M., Marble, assignor of one-half to R. W. Tallman, Gunnison, Colo. Graphic chart. 1,838,353; Dec. 29.
Andres, Paul G., assignor, by mesne assignments, to United Reproducers Corporation, St. Charles, Ill.; G. Cugley and L. E. Noble, receivers of said corporation. Sound reproducer. 1,789,061; Jan. 13.
Andres, Peter, Belding, Mich. Automatic kitchen ventilator. 1,828,016; Oct. 20.
Andres, William J., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,791,652; Feb. 10.
Andres, William J., and C. T., Waffle, assignors to Bendix Brake Company, South Bend, Ind. Operating device. 1,809,541; June 9.
Andresen, George, assignor to W. B. Parkyn, Chicago, Ill. Refrigerating apparatus. 1,792,136; Feb. 10.
Andresen, Hans, Vancouver, British Columbia, Canada. Two cycle internal combustion engine. 1,816,276; July 28.
Andrew, Frederick W., Andalusia, assignor, by mesne assignments, to The Electrolock Manufacturing Company, Vicksburg, Miss. Ignition-switch lock for automobiles. 1,796,976; Mar. 17.
Andrew, Frederick W., Andalusia, and W. Hemingway, jr., Philadelphia, Pa., assignors to The Electrolock Manufacturing Company, Vicksburg, Mass. Ignition switch. 1,839,171; Dec. 29.
Andrew Geller Shoe Manufacturing Co. (See Wolfelt, Curt, assignor.)
Andrew, Oren, Watkins, N. Y. Stovepipe heater. 1,821,920; Sept. 8.
Andrew, Thomas E., and M. Langstreth, Rochdale, and J. Bancroft, Accrington, assignors to Dunlop Cotton Mills Limited, Rochdale, England. Machine for spinning, doubling, twisting, and the like, yarns, fibers, and the like. 1,823,638; Sept. 15.
Andrew, Thurman, Jamaica Plain, Mass. Garter. 1,803,786; May 5.
Andrew, William K., and P. E. Butzin, Milwaukee, Wis., assignors to Kearney & Trecker Corporation, West Allis, Mich. Clamping device. 1,788,652; Jan. 13.
Andrewes, Humfrey, Highgate, London, England, assignor of fifty per cent to Radio Patents Corporation, New York, N. Y. Electrical frequency-changing apparatus of the thermionic type. 1,828,094; Oct. 20.
Andrews, Albert, Deadwood, S. Dak. Mechanical movement. 1,788,609; Jan. 13.
Andrews, Alfred J. (See Pogue, Charles N., assignor.)
Andrews, Alfred J., trustee. (See Pogue, Charles N., assignor.)
Andrews, Benjamin, Houston, Tex. Mining sulphur. 1,814,539; July 14.
Andrews, Charles J., San Diego, Calif. Support. 1,801,835; Apr. 21.
Andrews, Charles W. (See Brassert, H. A., Andrews.)
Andrews, Charles W. (See Knowles, A. S., and Andrews.)
Andrews, Charles W. (See Otto, C., and Andrews.)
Andrews, Charles W., Duluth, Minn., assignor of one-half to H. A. Brassert, Chicago, Ill. Gas production. 1,803,686; May 5.
Andrews, Charles W., assignor to H. A. Brassert & Company, Chicago, Ill. Furnace charging bell. 1,811,702; June 23.
Andrews, Charles W., Duluth, Minn., assignor to H. A. Brassert & Company, Chicago, Ill. Making producer gas. 1,814,580; July 14.
Andrews, Charles W., assignor to H. A. Brassert & Company, Chicago, Ill. Charging bell construction. 1,815,892; July 28.
Andrews, Charles W., assignor to H. A. Brassert & Company, Chicago, Ill. Making coke. 1,824,526; Sept. 22.
Andrews, Charles W., Duluth, Minn., and H. A. Brassert, assignors to H. A. Brassert & Company, Chicago, Ill. Manufacturing mixed water gas and oil gas. 1,821,050; Sept. 1.
Andrews, Charles W., and S. P. Kinney, assignors to H. A. Brassert & Company, Chicago, Ill. Rotary disintegrator. 1,811,528; June 23.
Andrews, Charles W., Chicago, Ill., and R. D. Rogers, Bayonne, N. J., assignors to C. P. T. Development Corporation, Chicago, Ill. Treatment of heavy hydrocarbon material. 1,805,711; May 19.
Andrews, Chester E. (See Canon, F. A., and Andrews.)
Andrews, Clarence W., Burlington, N. C. Treating tobacco. 1,813,833; July 7.
Andrews Crane Corporation. (See Andrews, Donald S., assignor.)

Andrews, Donald S., Rumson, N. J., deceased; H. R. Andrews, administrator. Fuel briquette and making same. 1,793,833; Feb. 24.
Andrews, Donald S., Rumson, N. J., assignor to Andrews Crane Corporation, New York, N. Y. Lift-platform truck. 1,826,116; Oct. 6.
Andrews, Edward F., Chicago, Ill. Radio receiving-set cabinet or similar article. Des. 83,656; Mar. 17.
Andrews, Edward F., Evanston, assignor to Andrews-Hammond Corporation, Chicago, Ill. Radio receiving device with distant control. 1,791.783; Feb. 10.
Andrews, Edward W., and F. E. Anderson, assignors of one-third to W. C. Parker, Chicago, Ill. Unloading device for boxes and the like. 1,838,801; Dec. 29.
Andrews, Frank W., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,796,276; Mar. 17.
Andrews, Frank W., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,815,962; July 28.
Andrews, Frank W., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,823.079; Sept. 15.
Andrews, Frank W., Fort Wayne, Ind., assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,822,003; Sept. 8.
Andrews, Frank W., Fort Wayne, Ind., assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,829,384; Oct. 27.
Andrews, Frank W., Fort Wayne, Ind., assignor, by mesne assignments, to Apex Electrical Manufacturing Company, Cleveland, Ohio. Lubricating refrigeration systems. 1,834,136; Dec. 1.
Andrews, Frank W., Fort Wayne, Ind., assignor, by mesne assignments, to Apex Electrical Manufacturing Company, Cleveland, Ohio. Capillary means for forwarding lubricant from the evaporator of refrigerating systems. 1,834,137; Dec. 1.
Andrews, George G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Machine for buffing airbags. 1,827,637; Oct. 13.
Andrews-Hammond Corporation. (See Andrews, Edward F., assignor.)
Andrews, Harry C., assignor to Killark Eelectric Manufacturing Company, St. Louis, Mo. Wall-box for electrical devices. 1,815,393; July 21.
Andrews, Hilah R., administrator. (See Andrews, Donald S.)
Andrews, Isaac, Spartanburg, S. C. Antirattle device. 1,813,132; July 7.
Andrews, Isaac, Spartanburg, S. C. Gun attachment. 1,837.093; Dec. 15.
Andrews, John, Oakland, Calif. Rotary kiln. 1,828,727; Oct. 27.
Andrews, John, Glouster, Ohio. Car coupling. 1,830,587; Nov. 3.
Andrews, John, jr., Kerrobert, Saskatchewan, Canada. Combined rail lifter and spike puller. 1,804,301; May 5.
Andrews, John G., Hamilton, assignor, by mesne assignments, to Panelon Underwear Company, Hamilton, Ohio. Undergarment and making same. 1,790.645; Feb. 3.
Andrews, John L., Sumrall, Miss. Table. 1,829,918; Nov. 3.
Andrews, John L., Elmwood Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Vacuum tank. 1,803,687; May 5.
Andrews, John W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Making magnetic structures. 1,826,711; Oct. 13.
Andrews, L. V., and O. Craig, assignors to Riley Stoker Corporation, Worcester, Mass. Pulverized fuel burner. 1.817,911; Aug. 11.
Andrews, Louis A., Newton Upper Falls, Mass. Submarine safety device. 1,800,976; Apr. 14.
Andrews, Neal R., assignor to Marinello Company, New York, N. Y. Box. Des. 82,966; Jan. 6.
Andrews, Neal R., assignor to Marinello Company, New York, N. Y. Compact. Des. 83,026; Jan. 13.
Andrews, Oliver B., Chattanooga, Tenn. Compound box. 1,794.821; Mar. 3.
Andrews, P. L., Corporation. (See Andrews, Preston, L., assignor.)
Andrews, Paul D., Schenectady, N. Y., assignor to General Electric Company. Amplifying system. 1,817,795; Aug. 4.
Andrews, Preston L., Brooklyn, N. Y. Envelope fastener means. 1,788,418; Jan. 13.
Andrews, Preston L., assignor to P. L. Andrews Corporation, Brooklyn, N. Y. Carrier bag. 1,792,885; Feb. 17.
Andrews, Troy M., and C. E. Lauer, Port Arthur, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Treating petroleum. 1,804,451; May 12.
Andrews, William C., Silver Spring, Md. Piston ring. 1,833,887; Dec. 1.
Andrews, William H., Los Angeles, Calif. Liquid sampling device. 1,838,729; Dec. 29.
Andrews, William K., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool organization. 1.835,742; Dec. 8.
Andrews, Willard E., Sycamore, Ill. Vending machine. 1,806.835; May 26.
Andrews, William R. E., Philadelphia, Pa. Pure bacterial culture spawn. 1,830,631; Nov. 3.
Andrieux, Pierre J. J., Montebourg, France. Gas burner or nozzle. 1,805,066; May 12.
Andros, Charles H. (See Swartz, George, assignor.)
Andros, Harry E. (See Hawrylasz, Nykyfor, assignor.)
Andrus, George P., Rainier, Oreg. Golf table. Des. 84,068; May 5.
Andrus, Orrin E., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for electric heating. 1,834,483; Dec. 1.
Andrus, Orrin E., and M. A. Matush, assignors to A. O. Smith Corporation, Milwaukee, Wis. Corrosion-retarding compound and making the same. 1,800,881; Apr. 14.
Andrussow, Leonid, Livonia, and F. Duerr, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of catalysts. 1,813,478; July 7.
Anduze, Lucien, Limoges, France, assignor to Herman C. Kupper, Inc., New York, N. Y. Teapot or similar article. Des. 84,774; Aug. 4.
Anduze, Lucien, Limoges, France, assignor to Herman C. Kupper, Inc., New York, N. Y. Covered dish or similar article. Des. 84,802; Aug. 11.
Anello, Rudolph. (See Villatore, J. E., and Anello.)
Añez Añez, Germán A., Maracaibo, Venezuela. Lock. 1,816.951; Aug. 4.
Angel, Harry K., et al. (See Tumminello, Charles E., assignor.)
Angel, Herbert, Brooklyn, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y. Correcting distortion and interpolating impulses in cable telegraph. 1,809,664; June 9.
Angel, Herbert, and J. W. Robinson, Brooklyn, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y. High speed fork regenerating repeater for telegraph systems. 1,804,302; May 5.
Angel, Herbert, and J. W. Robinson, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Method of and apparatus for operating cable telegraph systems. 1,807.368; May 26.
Angel, Herbert, and J. W. Robinson, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Synchronous telegraph system. 1,810,809; June 16.
Angeles, Monico S., San Leonardo, Mueva Ecya, Philippine Islands. Magazine pencil. 1,809,665; June 9.
Angelides, Angelos D., Santa Barbara, Calif. Traffic signal for motor vehicles. 1,816,813; Aug. 4.
Angelillo, Fedele, New York, N. Y. Vehicle jack. 1,805,508; May 19.
Angell, Arnold A., Chicago, Ill. Rotary brush and making same. 1,824,649; Sept. 22.
Angell, Clifton H., Westfield, Mass. Price tag and sign. 1,822,641; Sept. 8.
Angell, Edward C., New York, N. Y. Apparatus for making paper containers. 1,815,136; July 21.
Angell, Edward C., New York, N. Y. Apparatus for sealing containers. 1,815.284; July 21.
Angell, Edward C., New York, N. Y. Apparatus for making paper containers. 1,836,001; Dec. 15.
Angell, Frank B., Los Angeles, Calif. Well casing spider. 1,823,183; Sept. 15.
Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Mechanism and process for fabricating flexible shafting. Re18,142; Aug. 4.
Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Dental engine for dispatch systems. 1,838,208; Dec. 29.
Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Electric switch. 1.838.983; Dec. 29.
Angelus, Alfred A., Milwaukee, Wis. Serving tray. Des. 84,560; July 7.
Angelus, Louis, New York, N. Y. Plaiting machine. 1,789.421; Jan. 20.
Angelus, Louis, New York, N. Y. Plaiting machine. 1.793,769; Feb. 24.
Angelus Souvenir & Mfg. Co. (See Doolittle, E. C., and Carrillo, assignors.)
Angerstein, Ferdinand, Mannheim, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Induction-motor control system. 1,807,143; May 26.
Anglada, Domingo, New York, assignor to Wolf Safety Lamp Company of America, Inc., Brooklyn, N. Y. Signal lamp. 1,820,642; Aug. 25.
Anglada, Joseph A., Jenkintown, Pa. Sleeve valve internal combustion engine. 1,811.450; June 23.
Angle, Glenn D., Cincinnati, Ohio. Method and apparatus for obtaining indicator cards from engines. 1,819,143; Aug. 18.
Anglemyer, Carl M., assignor to The Edgemont Machine Company, Dayton, Ohio. Friction clutch. 1,831,282; Nov. 10.
Anglo-Persian Oil Company. (See Auld, S. J. M., Dunstan, and Herring, assignors.)
Angstrom, Carl J., assignor to The Martin Hardsocg Company, Pittsburgh, Pa. Bit-forging machine. 1,799,151; Apr. 7.
Angulo y Perez, José N., Habana, Cuba. Wardrobe trunk. 1.818,525; Aug. 11.
Angus, David. (See Benger, Frederick, assignor.)
Angus, Donald J., Indianapolis, Ind. Tachometer generator. 1,798,394; Mar. 31.

Angus, Donald J., Indianapolis, Ind. Volt-ampere meter. 1,808,334; June 2.
Angus, Donald J., Indianapolis, Ind. Meter. 1,817,432; Aug. 4.
Anhaltzer, Henry, Pittsburgh, Pa. Water heater. 1,789,127; Jan. 13.
Anhaltzer, Henry, Pittsburgh, Pa. Drying apparatus. 1,813,133; July 7.
Anheuser-Busch, Inc. (See Rabe, Frederick W., assignor.)
Anheuser, Ernest A., Milwaukee, Wis., assignor to Heller Brothers Company, Newcomerstown, Ohio. File cutting apparatus and making files. 1,829,385; Oct. 27.
Anibal, Benjamin H., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Rubber motor mounting. 1,806,569; May 19.
Anibal, Benjamin H., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Engine rear support. 1,823,420; Sept. 15.
Animal Trap Company of America. (See McCreary, Harry W., assignor.)
Anish, Adolph. (See Poeter, Edward, assignor.)
Ankeny, Clement W. (See Kurie C. W., jr., and Ankeny.)
Anke, Rudolph, Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 83,142; Jan. 27.
Anker-Holth Manufacturing Company. (See Krenke, Otto A., assignor.)
Ankerstran, William B. (See Hoffman, John H., assignor.)
Annen, James E. (See Frostad, G. O., and Annen.)
Annin, Douglas H., Glendale, assignor to Neilan, Schumacher & Company, Los Angeles, Calif. Differential regulator for valves. 1,810,937; June 23.
Annis, Burton B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber bearing or journal for shafts. 1,797,223; Mar. 24.
Anode Rubber Company Limited. (See Forrer, Max, assignor.)
Anoskopay, Joseph, Providence, R. I. Mold for forming molded articles. 1,814,276; July 14.
Anschicks, Rudolph J., assignor to Protectoseal Company of America, Chicago, Ill. Fire baffle. 1,800,977; Apr. 14.
Anschicks, Rudolph J., assignor to Protectoseal Company of America, Chicago, Ill. Flame baffle partition. 1,806,602; May 26.
Anschicks, Rudolph J., assignor to Protectoseal Company of America, Chicago, Ill. Filling and venting device. 1,814,656; July 14.
Anschicks, Rudolph J., assignor to Protectoseal Company of America, Chicago, Ill. Apparatus for handling volatile liquids. 1,815,342; July 21.
Ansell, Louis K., St. Louis, Mo. Antiskidding device for motor vehicles. 1,787,608; Jan. 6.
Anson, H. E., et al. (See Van Horn, Earl, assignor.)
Anstenal Laboratories, Inc. (See Erdle, Reiner W., assignor.)
Anstett, Edgar, assignor to R. Groetchen, Chicago, Ill. Lap. 1,835,257; Dec. 8.
Anstiss, George P. (See Blakeslee, G. S., and Anstiss.)
Anstiss, George P., Oak Park, assignor to G. S. Blakeslee & Co., Cicero, Ill. Water throwing apparatus for washing machines. 1,818,029; Aug. 11.
Anstiss, George P., Oak Park, assignor to G. S. Blakeslee & Co., Chicago, Ill. Washing machine. 1,831,223; Nov. 10.
Ansul Chemical Company of California. (See Collins, Lester W., assignor.)
Antanaitis, George, Mount Carmel, Pa. Opener for the valves of inner air tubes of pneumatic tires. 1,790,217; Jan. 27.
Anthony, Charles A., assignor, by mesne assignments, to Metal Package Corporation, New York, N. Y. Container. 1,790,647; Feb. 3.
Anthony Company. (See Anthony, W. C., Benedict, and Wachter, assignors.)
Anthony, David S., Sioux City, Iowa. Handle construction. 1,816,277; July 28.
Anthony, David S., San Antonio, Tex. Automatic sharpener. 1,827,965; Oct. 20.
Anthony, De Forest, Fall River, and B. M. Stoddard, Dedham, Mass., assignors to Dorothy D. Comstock, Dedham, Mass., doing business as The Kiddie-Rhester Co. Playpen. 1,822,876; Sept. 15.
Anthony, Elliott E., Chicago, Ill. Power converting device. 1,809,884; June 16.
Anthony, Fred J., et al. (See Dugan, Thomas, assignor.)
Anthony, Joseph W., Lynn, Mass. Folding machine. 1,811,871; June 30.
Anthony, Joseph W., Lynn, Mass. Device for forming round corners on book covers. 1,833,702; Nov. 24.
Anthony, Mark, Cleveland, Ohio. Pencil sharpener. 1,833,926; Dec. 1.
Anthony, Robert L., Swansea, Mass., assignor to B. B. & R. Knight Corporation, Providence, R. I. Educational device. 1,798,647; Mar. 31.
Anthony, Stanley, Boston, Mass. Card index. 1,791,297; Feb. 3.
Anthony, Stanley, Boston, Mass. Cabinet index. 1,811,838; June 30.
Anthony, Stanley, Boston, Mass., assignor to Addressograph Company, Wilmington, Del. Printing plate. 1,811,815; June 23.
Anthony, William C., C. H. Benedict, and L. Wachter, Streator, assignors to Anthony Company, Streater, Ill. Shovel head. 1,805,028; May 12.
Anthony, Willis J., Escanaba, Mich. Automatic safety stop mechanism. 1,829,626; Oct. 27.
Anthracite Separator Company. (See Pardee, Frank, assignor.)
Anthracite Separator Company. (See Pardee, Frank and F., jr., assignors.)
Antidolor Mfg. Co., The. (See Waite, Ralph B., assignor.)
Anti Hot Box Company. (See Stevens, William O., assignor.)
Antisell, Alfred B., New York, N. Y. Pump. 1,832,890; Nov. 24.
Antoine, Alfred D., Chicago, and A. E. Gebert, Wilmette, assignors to Advance Machine Company, Chicago, Ill. Vending machine. 1,832,176; Nov. 17.
Antoine, Victor, Lambermont, near Ensival, Belgium. Apparatus for the production of paper glazed and/or coloured on one face. 1,818,982; Aug. 18.
Anton, Frederick A., Topeka Kans. Store-front awning. 1,796,419; Mar. 17.
Anton, Frederick A., Topeka, Kans. Lateral arm awning for store fronts. 1,811,104; June 23.
Anton, Frederick A., Topeka, Kans. Assembly support for lateral arm awnings. 1,811,907. June 30.
Anton, Frederick A., Topeka, Kans. Arm for lateral awnings. 1,814,108; July 14.
Anton, Frederick A., Topeka, Kans. Awning arm support. 1,819,400; Aug. 18.
Anton, Frederick A., Topeka, Kans. Lateral arm awning support. 1,824,188; Sept. 22.
Anton, Mark, West Orange, assignor to Pie Bakeries of America, Inc., Newark, N. J. Rack. 1,804,912; May 12.
Antoni, Ugo, Viareggio, Italy. Rotary flexible propeller. 1,798,299; Mar. 31.
Antoni, Ugo, Viareggio, Italy. Propeller for submerging and steering subaqueous and floating vessels. 1,838,519; Dec. 29.
Antonini, Edgar A., Tuolumne, Calif. Electric heater. 1,839,007; Dec. 29.
Antrim, William D., Gloucester, N. J., assignor to Roberts & Mander Stove Company, Philadelphia, Pa. Oven-burner assembly. 1,790,739; Feb. 3.
Antrim, William D., Gloucester, N. J., assignor to Roberts & Mander Stove Company, Philadelphia, Pa. Oven-door hinge for gas ranges. 1,798,114; Mar. 24.
Antrim, William D., Gloucester, N. J., assignor to Roberts & Mander Stove Company, Philadelphia, Pa. Oven for ranges. 1,798,115; Mar. 24.
Antrim, William D., Gloucester, N. J., assignor to Roberts & Mander Stove Company, Philadelphia, Pa. Gas range. 1,810,810; June 16.
Antrim, William D., Gloucester, N. J., assignor to Roberts & Mander Stove Company, Philadelphia, Pa. Safety gas valve. 1,822,794; Sept. 8.
Antrim, William D., Gloucester, N. J., assignor to Roberts & Mander Stove Company, Philadelphia, Pa. Oven door spring for ranges. 1,827,554; Oct. 13.
Anzalone, Joseph, assignor to Alca Clothes Dryer Manufacturing Company, Inc., New York, N. Y. Clothes drier. 1,836,008; Dec. 15.
Aoki, Sataro Hiratuka, Ebara, Tokyo, Japan, assignor to General Electric Company. Vapor electric device. 1,792,265; Feb. 10.
Apaca Knitting Mills. (See Schwartz, Herman, assignor.)
Apco Mossberg Corporation, receiver. (See Colstad, Charles N.)
Apco Mossberg Corporation. (See Jackson, Alfred F., assignor.)
Apco Mossberg Corporation. (See Perkins, Clarence B., assignor.)
Apeldorn, Guy S., Philadelphia, Pa. Method of and apparatus for softening water by base exchange. 1,797,708; Mar. 24.
Apeldorn, Guy S Philadelphia, Pa. Base-exchange water softener. 1,797,709; Mar. 24.
Apex Electrical Manufacturing Company. (See Andrews, Frank W., assignor.)
Apex Electrical Manufacturing Company, The. (See Seyfried, Arthur W., assignor.)
Apex Products Corporation, The. (See Keim, Melville, assignor.)
Apexeon Company. (See Haskell, Frederick F., assignor.)
Apfel, Philip F., Seattle, Wash. Audiphone. 1,823,228; Sept. 15.
Apgar, Frank A., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Refining hydrocarbons. 1,795,067; Mar. 3.
Apgar, Frank A., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Refining hydrocarbons. 1,797,255; Mar. 24.
Apgar, Frank A., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Refining hydrocarbons. 1,812,426; June 30.
Apitzsch, Max. (See Kleinschmit, O., Apitzsch, and Felsch.)
Apollo Holding Corporation. (See McCrery, Harold E., assignor.)
Apollo Magneto Corporation. (See Lencke, J. K., and Schmid, assignors.)
Apotheker, Carl. (See Ackermann, F., and Apotheker.)
Apparel Ingenuities Corporation. (See Wolfson, Isadore D., assignor.)
Appel, Joseph J., Osdick, Calif. Tire carrier. 1,813,094; July 7.

Appel, Martin L. (See Rinne, R., and Appel.)
Appel, Saul C., Medford, Mass. Radiator bracket. 1,821,084; Sept. 1.
Appelbaum, Isaac, Brooklyn, assignor to Hangerette Folding Box, Ltd., New York, N. Y. Automatic folding container. 1,814,816; July 14.
Appelius, Fritz, Berlin, assignor ot Telephon-Apparat-Fabrik E. Zwiestusch & Company, Berlin-Charlottenburg, Germany. Telephone system. 1,787,430; Jan. 6.
Appelius, Fritz, Berlin, assignor to Company Telephon-Apparat-Fabrik G. Zwietusch & Co. G. m. b. H., Charlottenburg, Germany. Switching or control mechanism handpiece. 1,838,982; Dec. 29.
Appia, Theodore A., Elizabeth, N. J. Educational appliance. 1,802,492; Apr. 28.
Appia, Theodore A., New York, N. Y. Educational appliance. 1,811,105; June 23.
Apple, Vincent G., Dayton, Ohio. Bar winding. 1,789,128; Jan. 13.
Apple, Vincent G., Dayton, Ohio. Bar winding. 1,789,129; Jan. 13.
Apple, Vincent G., Dayton, Ohio. Dynamo-electric-machine armature. 1,792,524; Feb. 17.
Apple, Vincent G., Dayton, Ohio. Electric-motor automotive wheel. 1,792,525; Feb. 17.
Apple, Vincent G., Dayton, Ohio. Dynamo-electric machine. 1,792,526; Feb. 17.
Apple, Vincent G., Dayton, Ohio. Dynamo-electric-machine armature. 1,793,986; Feb. 24.
Apple, Vincent G., Dayton, Ohio. Wound electrical device and making it. 1,796,421; Mar. 17.
Apple, Vincent G., Dayton, Ohio. Dynamo-electric-machine element. 1,796,422; Mar. 17.
Apple, Vincent G., Dayton, Ohio. Making armature loops. 1,796,423; Mar. 17.
Apple, Vincent G., Dayton, Ohio. Making armature coils. 1,796,424; Mar. 17.
Apple, Vincent G., Dayton, Ohio. Vacuum-tube socket. 1,799,346; Apr. 7.
Apple, Vincent G., Dayton, Ohio. Armature. 1,799,347; Apr. 7.
Apple, Vincent G., Dayton, Ohio. Geared motor. 1,799,348; Apr. 7.
Apple, Vincent G., Dayton, Ohio. Electric starting device. 1,803,829; May 5.
Apple, Vincent G., Dayton, Ohio. Electrical starting motor. 1,808,746; June 9.
Apple, Vincent G., Dayton, Ohio. Dynamo electric machine. 1,808,747; June 9.
Apple, Vincent G., Dayton, Ohio. Electric motor automotive axle. 1,808,748; June 9.
Apple, Vincent G., Dayton, Ohio. Bar wound armature. 1,808,749; June 9.
Apple, Vincent G., Dayton, Ohio. Dynamo electric machine with improved cooling system. 1,808,751; June 9.
Apple, Vincent G., Dayton, Ohio. Oscillating motor. 1,818,779; Aug. 11.
Apple, Vincent G., Dayton, Ohio. Bar wound field element. 1,822,261; Sept. 8.
Apple, Vincent G., Dayton, Ohio. Power driven hair cutting device. 1,822,262; Sept. 8.
Apple, Vincent G., Dayton, Ohio. Dynamo electric machine. 1,822,263; Sept. 8.
Apple, Vincent G., Dayton, Ohio. Dynamo electric machine. 1,822,264; Sept. 8.
Apple, Vincent G., Dayton, Ohio. Dynamo electric machine element. 1,826,295; Oct. 6.
Apple, Vincent G., Dayton, Ohio. Dynamo electric machine member. 1,826,296; Oct. 6.
Apple, Vincent G., Dayton, Ohio. Making electric coils. 1,826,297; Oct. 6.
Apple, Vincent G., Dayton, Ohio. Electric drive for juvenile automobiles. 1,830,310; Nov. 3.
Apple, Vincent G., Dayton, Ohio. Armature. 1,830,456; Nov. 3.
Apple, Vincent G., Dayton, Ohio. Dynamo electric machine with improved cooling system. 1,830,457; Nov. 3.
Apple, Vincent G., Dayton, Ohio. Stator with insulation inclosed winding. 1,830,458; Nov. 3.
Apple, Vincent G., Dayton, Ohio. Dynamo electric machine armature. 1,834,923; Dec. 8.
Apple, Vincent G., Dayton, Ohio. Power clothes wringer. 1,834,924; Dec. 8.
Apple, Vincent G., Dayton, Ohio. Making armature coils. 1,834,925; Dec. 8.
Apple, Vincent G., Dayton, Ohio. Making winding loops for bar wound armatures. 1,834,926; Dec. 8.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,806,579; May 26.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Dynamo electric machine. 1,807,955; June 2.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Progressive solenoid for operating brakes. 1,807,956; June 2.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Control mechanism for motor vehicle electric starting and braking motors. 1,808,095; June 2.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Combined starting and pumping system for motor vehicles. 1,811,836; June 30.
Apple, Vincent G., Dayton, Ohio, assignor to Bendix Brake Company, South Bend, Ind. Electric control mechanism for vehicle brakes. 1,821,200; Sept. 1.
Apple, Vincent G., and W. M. Doehring, Dayton, Ohio; said Doehring assignor to said Apple. Communicator. 1,808,750; June 9.
Apple, Vincent G., and H. B. Ohmer, Dayton, assignors to Ohmer Fare Register Company, Dayton, Ohio. Electrical operating means. 1,823,523; Sept. 15.
Applebaum, Louis J. (See Tobias, J. J., and Applebaum.)
Appleberg, Axel O., assignor to Aktiebolaget Birka Regulator, Stockholm, Sweden. Thermostat switch. 1,822,191; Sept. 8.
Appleby, James P., assignor to Frank Graves Sash, Door and Mill Company, Los Angeles, Calif. Machine for winding spiral springs and inserting the wound springs in drums. 1,790,218; Jan. 27.
Appleby, William H., London, Ontario, Canada. Child's vehicle. 1,800,587; Apr. 14.
Applegarth, Clark, Palo Alto, Calif. Card index. 1,799,836; Apr. 7.
Applegate, Dorothy E. M., Bampton, England. Strainer for teapots. 1,788,760; Jan. 13.
Appleman, Boyd K., Beaumont, Tex. Well bailing device. 1,813,134; July 7.
Appleton, Clifford R. (See Kosco, J., and Appleton.)
Appleton Electric Company. (See Anderson, Ernst G. K., assignor.)
Appleton Electric Company. (See Brachtl, Henry, assignor.)
Appleton Electric Company. (See Goetzelman, William, assignor.)
Appleton, Ernst G. (See Newman, C., and Appleton.)
Appleton, Ernst G. (See Williams, C., and Appleton.)
Appleton, Ernst G., assignor to Roach-Appleton Manufacturing Company, Chicago, Ill. Lath support. 1,800,924; Apr. 14.
Appleton, Ernst G., assignor to Roach-Appleton Manufacturing Company, Chicago, Ill. Fixture mounting. 1,834,758; Dec. 1.
Appleton, Wallace N., Crafton, assignor, by mesne assignments, to The McKay Company, Pittsburgh, Pa. Grinding apparatus. 1,828,212; Oct. 20.
Appleton Wire Works, Inc. (See Weissenborn, Albert B., assignor.)
Apple Vender Co. (See Claussen, Wells H., assignor.)
Appleyard, Arthur E., Minneapolis, Minn. Machine for handling slabs. 1,837,846; Dec. 22.
Appleyard, Sophia J. (See Greenwood, F., and Appleyard.)
Appling, Everette W., Joplin, Mo. Undertaker's device. 1,828,585; Oct. 20.
Apprich, Robert N., assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 84,390; June 16.
Apprich, Robert N., assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 84,392; June 16.
Apps, Charles H., South Orange, N. J. Journal box for railroad vehicles. 1,789,092; Jan. 13.
Apps, Charles H., East Orange, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Spring plank. 1,832,849; Nov. 24.
Apt Novelty Company. (See Shulman, Charles, assignor.)
Apt Novelty Company Inc. (See Shulman, Charles, assignor.)
Aqua Systems Incorporated. (See Beckwith, Charles F., assignor.)
Aqua Systems Incorporated. (See Peter, William J., assignor.)
Aquiar y Rivero Lino, Jesus Del Monte, Habana, Cuba. Triple valve protector. 1,833,796; Nov. 24.
Arano, George, assignor of one-half to R. R. Fowler, Modesto, Calif. Projection lamp. 1,838,170; Dec. 29.
Arbeit, Pierre, Paris, France, assignor to The Hartford-Empire Company, Hartford, Conn. Manufacture of glassware. 1,790,633; Jan. 27.
Arbeit, Pierre, Paris, France, assignor to Hartford-Empire Company, Hartford, Conn. Machine for making glassware. 1,805,796; May 19.
Arbogast, Adam, assignor to Society of Chemical Industry in Basle, Switzerland. Dyestuff preparation and making same. 1,818,878; Aug. 11.
Arbogast, Frederick A., Akron, Ohio. Fish bait or lure. Re17,955; Feb. 10.
Arbogast, William H., assignor to W. McElwee, Dunmore, W. Va. Ratchet tool. 1,792,470; Feb. 17.
Arbosuckos, John, Carnegie, Pa. Sewer cleaner. 1,832,957; Nov. 24.
Arbuckle, John L., Columbus, Ohio, assignor of one-third to H. H. Semmes, Washington, D. C. Auxiliary arm. 1,791,590; Feb. 10.
Arbuckle, Randolph, assignor of one-half to B. M. Gilbraith, Geneseo, Ill. Window screen. 1,833,104; Nov. 24.
Arbuckle, Samuel F. (See Coutler, C. H., and Arbuckle.)
Arbuckle, Samuel F., Highland Park, Mich., assignor to Monogram Lens Corporation, New York, N. Y. Lamp. 1,791,298; Feb. 3.
Arbuckle, Samuel F., Detroit, Mich., assignor to Monogram Lens Corporation, Paterson, N. J. Lamp focusing mechanism. 1,804,665; May 12.
Arbuckle, Samuel F., Highland Park, Mich., and C. P. Brockway, Paterson, N. J., assignors to Monogram Lens Corporation, Detroit, Mich. Lamp shield. 1,820,522; Aug. 25.

Arbuckle, Samuel F., Highland Park, assignor to Monogram Lens Corporation, Detroit, Mich. Fixed focus headlamp. 1,826,712; Oct. 13.
Arbuckle, Samuel F., Highland Park, Mich., assignor to S. F. Arbuckle Corp. Brake mechanism. 1,834,368; Dec. 1.
Arbuckle, S. F., Corp. (See Arbuckle, Samuel F., assignor.)
Arbuckle, S. F., Corp. (See Whitacre, Clarence J., assignor.)
Arcade Manufacturing Company. (See Firestone, V. S., and Sward, assignors.)
Arcand, Edgar J., Boston, G. A. Downey, Hyde Park, and J. R. Walker, Atlantic, Mass. Vehicle spring. 1,799,880; Apr. 7.
Archambault, Euchariste P. (See Verna, J. A., and Archambault.)
Archangelsky, Alexander, and R. Goldberg, Berlin, Germany. Contact device for movable electrical apparatus. 1,828,917; Oct. 27.
Archbald, Hugh, Philipsburg, Pa. Apparatus for making briquettes. 1,828,586; Oct. 20.
Archea, Walter D. (See Binns, G. W., Archea, and Nenninger, assignors.)
Archer, Charles H., assignor to Automatic Telephone Manufacturing Company, Limited, Liverpool, England. Imitation fire. 1,795,004; Mar. 3.
Archer-Daniels-Midland Company et al. (See Long, James S., assignor.)
Archer, Edward G. (See Armitage, F. W., and Archer.)
Archer, George B., et al. (See Cavert, Edward N., assignor.)
Archer, George F., New York, N. Y. Controlled water heating means. 1,819,057; Aug. 18.
Archer, John, assignor to English Steel Corporation Limited, Sheffield, England. Turning and boring tool. 1,838,520; Dec. 29.
Archer, John L., Cairo, Nebr. Sterilizer. 1,818,445; Aug. 11.
Archer, Merton T., Pittsburgh, Pa., assignor to The National Supply Company, Toledo, Ohio. Gas lift pumping apparatus. 1,802,548; Apr. 28.
Archer, Merton T., Pittsburgh, Pa., assignor to The National Supply Company, Toledo, Ohio. Pull rod clamp. 1,822,642; Sept. 8.
Archer, Merton T., Pittsburgh, Pa., assignor to The National Supply Company, Toledo, Ohio. Gas lift pumping apparatus. 1,834,369; Dec. 1.
Archer, Robert S. and W. L. Fink, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Treating aluminum base alloys which are subject to growth. 1,822,877; Sept. 15.
Archer, Robert S., Lakewood, and L. W. Kempf, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Aluminum-base alloy and piston made therefrom. 1,799,837; Apr. 7.
Archer, Walter C., Naples, Tex. Vine turner. 1,834,441; Dec. 1.
Archer, Wesley L., Rutland, Vt. Ventilator for buildings. 1,825,297; Sept. 29.
Archibald, John O., Lancaster, N. Y. Power unit device. 1,806,659; May 26.
Archibald Wheel Company. (See Bradstreet, Hosea E., assignor.)
Arcless Contact Company, The. (See Armstrong, R. W., and McCabe, assignors.)
Arco Vacuum Corporation. (See Kleinhans, F. J., and Brandt, assignors.)
Arco Vacuum Corporation. (See Santini, Randolph, assignor.)
Arcturus Radio Tube Company. (See Delaney, Daniel J., assignor.)
Arcturus Radio Tube Company. (See De Puy, C., and Brindle, assignors.)
Arcturus Radio Tube Company. (See Harding, Robert, jr., assignor.)
Arcturus Radio Tube Company. (See Krahl, Walter L., assignor.)
Arcturus Radio Tube Company. (See Lewis, George, assignor.)
Ardco Manufacturing Company. (See Ellis, D. S., and Zusy, assignors.)
Ardco Manufacturing Company. (See Gillespie, Henry C., assignor.)
Ardelt, Robert, Eberswalde-on-the-Mark, Germany. Core making for cast pipe. 1,789,643; Jan. 20.
Ardelt, Robert, Eberswalde-in-the-Mark, Germany. Ramming machine for forming pipe molds. 1,799,076; Mar. 31.
Arden Box Toe Company. (See Shopneck, Henry P., assignor.)
Arden, Thomas R., Baldwin, N. Y., assignor to American Flyer Manufacturing Company, Chicago, Ill. Electric clock. 1,838,069; Dec. 22.
Ardrey, Fred, et al. (See Hutchinson, Harry, assignor.)
Ardron, Samuel, Los Angeles, Calif. Meat-block-cleaning machine. 1,796,700; Mar. 17.
Arenberg, Albert L., Chicago, Ill. Shadowless portable lamp with shade. 1,802,493; Apr. 28.
Arends, Herman T., Highland Park, Mich. Magazine binder. 1,791,784; Feb. 10.
Arends, Herman T., Highland Park, Mich. Magazine binder. 1,825,257; Sept. 29.
Arendt, Morton, assignor of one-half to W. B. Morton, New York, N. Y. Self-charging electric vehicle. 1,790,634; Jan. 27.
Arendt, Morton, assignor of one-half to W. B. Morton, New York, N. Y. Self-charging electric vehicle. 1,790,635; Jan. 27.
Arens, Charles, Chicago, Ill. Power-transmitting device. 1,798,909; Mar. 24.
Arent, Arthur, assignor to Arthur Arent Laboratories, Inc., Des Moines, Iowa. Protectively treating materials. 1,792,457; Feb. 10.
Arent, Arthur, Laboratories, Inc. (See Arent, Arthur, assignor.)
Arenz, John A., Mount Vernon, N. Y., assignor to International Screw Co., Wilmington, Del. Single point, double-thread drive screw. 1,801,186; Apr. 14.
Arey, Fred R., Oakland, and W. E. Jones, jr., Alameda, Calif. Card table. 1,803,830; May 5.
Arey, Fred C., Oak Park, Ill., assignor to J. W. Gleason, F. W. Bora, W. F. Freudenreich, F. H. Chetlain, and said Fred C. Arey as trustees for U. S. Lath and Machinery Co. Expanded metal lath. 1,837,393; Dec. 22.
Arfsten, Newton, New York, N. Y. Obtaining stereoscopic impressions of moving picture images. 1,806,190; May 19.
Argust, Warren C. (See Ruffing, John, sr., assignor.)
Argy, William P., Turners Falls, Mass. Making paper. 1,836,834; Dec. 15.
Arias, Argimiro, Brooklyn, N. Y. Aerial device. 1,820,643; Aug. 25.
Arias, Manuel M., Buenos Aires, Argentina. Holder for firearms. 1,827,182; Oct. 13.
Arico, Joseph, assignor of one-fourth to Sectional Tire Corporation, and one-fourth to L. Morosini, New York, N. Y. Pneumatic tire 1,820,766; Aug. 25.
Arkell, Bartlett, New York, N. Y. Multiply bag and producing the same. 1,805,067; May 12.
Arkema, Harold P., and S. Thronsen, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for mounting dies. 1,800,370; Apr. 14.
Arkema, Oney, Lynnville, Iowa. Gravity latch for hooks of harrows. 1,837,094; Dec. 15.
Arkless, Frederick. (See Parsons, C. A., and Arkless.)
Arlette, Inc. (See Watts, Warren S., assignor.)
Arlt, John L., assignor to F. W. Stork and J. L. Arlt, doing business as Ideal Manufacturing Company, Saginaw, Mich. Twin tubs. 1,798,300; Mar. 31.
Arlt, John L., assignor to F. W. Stork and J. L. Arlt, doing business as Ideal Manufacturing Company, Saginaw, Mich. Washtub. 1,805,068; May 12.
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Fluid heater. 1,794,507; Mar. 3.
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Power plant. 1,803,455; May 5.
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Reheater. 1,818,446; Aug. 11.
Armacost, Wilbur H., New York, N. Y., assignor to The Superheater Company, New York, N. Y. Boiler. 1,829,919; Nov. 3.
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Superheater. 1,829,845; Nov. 3.
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Heat exchanger or desuperheater. 1,829,846; Nov. 3.
Armand Company, The. (See Morgan, Gomar, assignor.)
Armbrust Chain Company. (See Armbrust, Ferdinand, assignor.)
Armbrust, Charles W., Middletown, N. Y., assignor to International Life Saving Water Making Cup Corporation, Washington, D. C. Life-saving water-making twin cup. 1,792,056; Feb. 10.
Armbrust, Charles W., Middletown, N. Y., assignor to International Life Saving Water Making Cup Corporation, Washington, D. C. Condensing and water-collecting device. 1,797,894; Mar. 24.
Armbrust, Ferdinand, North Providence, assignor to Armbrust Chain Company, Providence, R. I. Bracelet. 1,829,493; Oct. 27.
Armington, Arthur P., Willoughby, Ohio. Land vehicle. 1,822,795; Sept. 8.
Armington, Arthur P., Willoughby, assignor to The Euclid Crane & Hoist Company, Euclid, Ohio. Gate operating gear for dumping vehicles. 1,801,321; Apr. 21.
Armington, Arthur P., Willoughby, assignor to The Euclid Crane and Hoist Company, Euclid, Ohio. Scraper draft gear. 1,801,322; Apr. 21.
Armington, Arthur P., Willoughby, assignor to The Euclid Crane & Hoist Company, Euclid, Ohio. Tread link. 1,808,445; June 2.
Armington, Arthur P., Willoughby, assignor to The Euclid Crane & Hoist Company, Euclid, Ohio. Endless tread linkage. 1,808,446; June 2.
Armington, Arthur P., Willoughby, assignor to The Euclid Crane & Hoist Company, Euclid, Ohio. Drawbar means. 1,821,869; Sept. 1.
Armington, George E., Cleveland, assignor to The Euclid Crane & Hoist Company, Euclid, Ohio. Dump wagon door operating gear. 1,817,602; Aug. 4.
Armistead, Herbert, Farnley, Leeds, assignor to Armistie Limited, Hunslet, Leeds, England. Case-tie or like fastening. 1,806,836; May 26.

Armistead, Hubert M., assignor to The Condor Company, San Francisco, Calif. Doorcheck. 1,834,671; Dec. 1.
Armistie Limited. (See Armistead, Herbert, assignor.)
Armitage, Frederick W., and E. G. Archer, assignors of one-third to T. A. Burford, Hopewell, Va. Variable-speed transmission. 1,791,698; Feb. 10.
Armitage, George H., assignor to United Lace & Braid Manufacturing Co., Providence, R. I. Apparatus for tipping laces. 1,807,886; June 2.
Armitage, Joseph B. (See Kearney, E. J., and Armitage.)
Armitage, Joseph B. (See Parsons, F. A., Armitage, and Kearney.)
Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine-tool transmission. 1,791,747; Feb. 10.
Armitage, Joseph B., Milwaukee, E. J. Kearney, Wauwatosa, Wis., B. P. Graves, Providence, R. I., and L. F. Nenninger, Cincinnati, Ohio; said Armitage and said Kearney assignors to Kearney & Trecker Corporation, West Allis, Wis., said Graves assignor to Brown & Sharpe Manufacturing Company, Providence, R. I., and said Nenninger assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Milling machine spindle and tool. 1,794,361; Mar. 3.
Armitage, Joseph B., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine-tool transmission and control. 1,799,272; Apr. 7.
Armitage, Joseph B., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Over-arm clamp for machine tools. 1,799,493; Apr. 7.
Armitage, Joseph B., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool lubrication. 1,806,603; May 26.
Armitage, Percy C., assignor of one-half to P. W. Newcomer, Pomona, Calif. Film numbering machine. 1,817,728; Aug. 4.
Armitage, Sylvester, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Door lock for vehicles. 1,826,117; Oct. 6.
Armour and Company. (See Colt, Edwin W., assignor.)
Armour and Company. (See Jordan, Isaac N., assignor.)
Armour & Company. (See Lusk, W. F., and Potter, assignors.)
Armour & Company. (See Powell, J. R., Sheely, and Smith, assignors.)
Armour Fertilizer Works. (See Meyers, Herbert H., assignor.)
Arms, Edward W., assignor to W. & L. E. Gurley, Troy, N. Y. Producing instrument frames. 1,837,312; Dec. 22.
Arms, Edward W., Troy, N. Y., assignor to W. & L. E. Gurley, Troy, N. Y. Surveying instrument. 1,837,313; Dec. 22.
Arms, Ray W., assignor to Roberts and Schaefer Company, Chicago, Ill. Cleaning coal. 1,801,254; Apr. 21.
Arms, Ray W., assignor to Roberts and Schaefer Company, Chicago, Ill. Dust collecting system for coal handling plant. 1,801,255; Apr. 21.
Arms, Ray W., assignor to Roberts and Schaefer Company, Chicago, Ill. Cleaning coal. 1,806,779; May 26.
Arms, Ray W., assignor to Roberts and Schaefer Company, Chicago, Ill. Dust collecting system for coal cleaners. 1,806,780; May 26.
Arms, Ray W., assignor to Roberts & Schaefer Company, Chicago, Ill. Apparatus for controlling air in dry separating tables. 1,812,071; June 30.
Arms, George L., assignor to Roberts and Schaefer Company, Chicago, Ill. Apparatus for distributing and circulating air. 1,812,072; June 30.
Arms, George L., assignor to Roberts and Schaefer Company, Chicago, Ill. Distributing and circulating air for air cleaning tables. 1,812,073; June 30.
Armspear Manufacturing Company. (See Pixley, Judson S., assignor.)
Armstead, Harry E., Indianapolis, Ind. Simultaneous camera exposure and flash. 1,824,030; Sept. 22.
Armstrong, Adam E., Three Rivers, Mich. Valve mechanism. 1,787,465; Jan. 6.
Armstrong, Addison C., assignor to Campbell Metal Window Corporation, Baltimore, Md. Radiator support. 1,788,819; Jan. 13.
Armstrong, Addison C., assignor to Campbell Metal Window Corporation, Baltimore, Md. Muntin bar. 1,789,280; Jan. 13.
Armstrong, Addison C., Baltimore, Md., assignor to Campbell Metal Window Corporation, Baltimore, Md. Radiator inclosure. 1,830,217; Nov. 3.
Armstrong Albert, Seattle, Wash. Dry-kiln construction. 1,793,892; Feb. 24.
Armstrong Appliance Corporation. (See Armstrong, Charles C., assignor.)
Armstrong, Charles C., assignor to The Armstrong Electric and Manufacturing Corporation, Huntington, W. Va. Electric toaster. 1,790,083; Jan. 27.
Armstrong, Charles C., assignor to The Armstrong Electric and Manufacturing Corporation, Huntington, W. Va. Waffle iron. 1,798,648; Mar. 31.
Armstrong, Charles C., Huntington, W. Va., assignor, by mesne assignments, to Armstrong Appliance Corporation. Automatic coffee percolator. 1,816,994; Aug. 4.
Armstrong, Charles C., Huntington, W. Va., assignor, by mesne assignments, to Armstrong Appliance Corporation. Oven for ranges. 1,836,639; Dec. 15.
Armstrong, Charles E., Oakwood, Okla. Trap. 1,790,740; Feb. 3.
Armstrong, Charles H., Chicago, Ill., assignor, by mesne assignments, to J. S. Bemis, trustee, St. Louis, Mo. Fabric bag. 1,822,948; Sept. 15.
Armstrong Cork Company. (See Balderson, Robert A., assignor.)
Armstrong Cork Company. (See Burke, James P., assignor.)
Armstrong Cork Company. (See Busch, Herman F., assignor.)
Armstrong Cork Company. (See Emig, John, assignor.)
Armstrong Cork Company. (See Garrett, Raymond E., assignor.)
Armstrong Cork Company. (See Grupe, William F., assignor.)
Armstrong Cork Company. (See Hawley, Elmer Cameron, assignor.)
Armstrong Cork Company. (See Humphreys, Charles F., assignor.)
Armstrong Cork Company. (See Humphreys, C. F., and McCarthy, assignors.)
Armstrong Cork Company. (See Humphreys, Harry S., assignor.)
Armstrong Cork Company. (See Jones, Alfred, assignor.)
Armstrong Cork Company. (See Jones, A., and Webster, assignors.)
Armstrong Cork Company. (See McCarthy, John C., assignor.)
Armstrong Cork Company. (See Peck, Hubert R., assignor.)
Armstrong Cork Company. (See Prentis, Henning W., jr., assignor.)
Armstrong Cork Company. (See Russ, Arthur J., assignor.)
Armstrong Cork Company. (See Smith, D. F., Pieper, and Vogt, assignors.)
Armstrong Cork Company. (See Vincke, Enrique, assignor.)
Armstrong Cork Company. (See Webster, Harry A., assignor.)
Armstrong Electric and Manufacturing Corporation, The. (See Armstrong, Charles C., assignor.)
Armstrong, Frank H. (See Heaton, H. C., and Armstrong.)
Armstrong, Frank H., assignor to Safety Mining Company, Chicago, Ill. Blasting cartridge. 1,807,144; May 26.
Armstrong, Frank H., assignor to Safety Mining Company, Chicago, Ill. Blasting cartridge. 1,826,702; Oct. 13.
Armstrong, Frank H., assignor to Safety Mining Company, Chicago, Ill. Safety blasting device. 1,829,847; Nov. 3.
Armstrong, Fullerton G. G., Beverley, England. Shock absorber for vehicles. 1,830,418; Nov. 3.
Armstrong, George J., Maple Creek, Saskatchewan, Canada. Tire changer. 1,829,433; Oct. 27.
Armstrong, Harry F., Brandon, Manitoba, Canada. Mail-bag fastener and label holder. 1,800,004; Apr. 7.
Armstrong, Harvey C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Wheel structure. 1,809,795; June 9.
Armstrong, J. H. (See Woods, David M., assignor.)
Armstrong, James R., Ingram, assignor, by mesne assignments, to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Demand limit device for fluid meters. 1,814,657; July 14.
Armstrong, James R., Crafton, and L. H. Duncan, Ben Avon, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Combined pressure recording and volume registering attachment for fluid meters. 1,816,995; Aug. 4.
Armstrong, John J., Crockett, Calif. Filter unit. 1,927,797; Feb. 17.
Armstrong, Joseph V., and J. F. Ribbeck, Akron, N. Y. Winding mechanism. 1,815,729; July 21.
Armstrong, Leonard J., Mariners Harbor, N. Y. Spray attachment for faucets. 1,814,020; July 14.
Armstrong, L. E., Realty & Investment Co. (See Currie, Clare H., assignor.)
Armstrong Mfg. Co., The. (See Neubauer, Charles, assignor.)
Armstrong, McKinley, San Pedro, Calif. Wrench. 1,815,755; July 21.
Armstrong, Merton C., assignor to Sterling Siren Fire Alarm Company, Inc., Rochester, N. Y. Motor cycle siren. 1,835,451; Dec. 8.
Armstrong, Merton C., assignor to The Sterling Siren Fire Alarm Company Inc., Rochester, N. Y. Apparatus for sounding alarms. 1,835,452; Dec. 8.
Armstrong, Percy A. E., Loudonville, assignor to Ludlum rous products faced with stable surface alloys. 1,813,654; July 7.
Armstrong, Percy A. E., Loudonville, assignor to Ludlum Steel Company, Watervliet, N. Y. Making products with welded faces of stable surface alloy. 1,826,860; Oct. 13.
Armstrong, Percy A. E., New York, and R. P. de Vries, Menands, assignors to Ludlum Steel Company, Watervliet, N. Y. Alloy steel containing nickel, silicon, and copper. 1,799,273; Apr. 7.
Armstrong, Ralph J., Monett, Mo. Insect trap. 1,823,777; Sept. 15.

Armstrong, Raymond W., and I. E. McCabe, Chicago, Ill.; said Armstrong, assignor to The Arcless Contact Company. Glass container for light operated electric switches. 1,805,966; May 19.
Armstrong Siddeley Motors Limited. (See Viale, Spirito M., assignor.)
Armstrong, Victor C., Hackensack, N. J., assignor to The Rail Joint Company, New York, N. Y. Rail joint. 1,796,230; Mar. 10.
Armstrong, Victor C., Hackensack, N. J., assignor to The Rail Joint Company, New York, N. Y. Welded rail joint construction. 1,817,225; Aug. 4.
Armstrong, Victor C., Hackensack, N. J., assignor to The Rail Joint Company, New York, N. Y. Rail joint. 1,833,550; Nov. 24.
Armstrong & White. (See White, Benjamin B., assignor.)
Armstrong, William C., Springfield, assignor to The Ceramic Machinery Company, Hamilton, Ohio. Gasoline-engine locomotive. 1,800,241; Apr. 14.
Arnal, Leon E. (See Magney, G. R., Tusler, and Arnal.)
Arnal, Leon E., et al. (See Hyde, M. G., and Magney, assignors.)
Arnaman, Harry C., Kansas City, Mo. Portable barbecue apparatus. 1,795,463; Mar. 10.
Arnao, Charles Company. (See McElroy, Isaac E., assignor.)
Arndt, Daniel E., Whitnel, N. C. Hand plow. 1,788,971; Jan. 13.
Arndt, Ernest A., Sioux City, Iowa. Combination trunk and luggage carrier. 1,792,798; Feb. 17.
Arndt, Franklin E., assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio. Leaning wheel grader. Re18,064; May 5.
Arndt, Franklin E., assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio. Steering gear for road graders. Re18,150; Aug. 18.
Arndt, Paul. (See Scognamillo, S., and Arndt.)
Arndt, William E., assignor to C. M. Smillie & Company, Detroit, Mich. Tool for spinning angular flanges on metal tubes. 1,795,358; Mar. 10.
Arnesen, Charlotte, Chicago, Ill. Control device for electric irons and the like. 1,813,267; July 7.
Arno, John, Elgin, Ill. Nonskid device for tires. 1,800,202; Apr. 14.
Arnold, Alfred E., Pontiac, Mich. Electric welding machine. 1,838,899; Dec. 29.
Arnold, Carl, Nuremberg, Germany. Toy figure. 1,789,800; Jan. 20.
Arnold, Carl, Nuremberg, Germany. Back-operated toy. 1,796,275; Mar. 17.
Arnold, Charles H., Dayton, Ohio. Liquid dispensing apparatus. 1,820,931; Sept. 1.
Arnold, David B., Brookline, assignor, by mesne assignments, to Eastern Expanded Metal Company, Cambridge, Mass. Insulating metal lath. 1,828,351; Oct. 20.
Arnold, Edwin E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Making gears. 1,828,271; Oct. 20.
Arnold, Ernest H., Cleveland, Ohio. Metal wheel and making the same. 1,821,782; Sept. 1.
Arnold, Ernest O., Portland, Oreg. Electric heater. 1,834,014; Dec. 1.
Arnold, Frank G., New York, N. Y. Pressure gauging tire valve. 1,806,380; May 19.
Arnold, Harold D., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum tube. 1,809,099; June 9.
Arnold, Harold D., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound transmission. 1,811,839; June 30.
Arnold, Henry F., Hyde Park, assignor to American Tool & Machine Company, Boston, Mass. Idler pulley mechanism. 1,802,549; Apr. 28.
Arnold, Herrick R., Elmhurst, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic synthesis of amines from alcohols and ammonia. 1,799,722; Apr. 7.
Arnold, Howard P., Rockland, Mass. Flyer or traveler for serving machines. 1,826,713; Oct. 13.
Arnold, Howard P., Rockland, Mass. Self-centering spindle for serving machines. 1,832,273; Nov. 17.
Arnold, James C., Los Angeles, Calif., assignor to Frigidaire Corporation, Dayton, Ohio. Fastening mechanism. 1,829,030; Oct. 27.
Arnold, James C., Los Angeles, Calif., assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,829,386; Oct. 27.
Arnold, James C., Los Angeles, Calif., assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,829,387; Oct. 27.
Arnold, Jean F., Paris, France. Automatic screw-threading machine. 1,825,171; Sept. 29.
Arnold, John, Los Angeles, assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Film marking device. 1,810,002; June 16.
Arnold, John, Los Angeles, assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Portable soundproof housing for motion picture apparatus. 1,831,797; Nov. 17.
Arnold, M. N., Shoe Company. (See Arnold, William P., assignor.)
Arnold, Max, New York, N. Y. Stamping machine. 1,818,836; Aug. 11.
Arnold, Pearl C., West Hanover, assignor to P. E. Barbour, Quincy, Mass., doing business as Barbour Welting Company. Shoe welting. Des. 83,027; Jan. 13.
Arnold, Pearl C., West Hanover, and W. C. Vizard, Brockton, Mass., assignors to P. E. Barbour, Quincy, Mass., trading as Barbour Welting Company, Brockton, Mass. Shoe welting and its manufacture. 1,828,728; Oct. 27.
Arnold, Perrie M., Wilmington, Del. Hopper-feed mechanism. 1,790,568; Jan. 27.
Arnold, Roy J., et al. (See Smith, R. E., Arnold, and Curfman.)
Arnold, Satterlee T., Irvington, N. J., assignor, by mesne assignments, to Wm. S. Mills, Bridgeport, Conn. Trimming attachment for looping machines. 1,802,901; Apr. 28.
Arnold, Walter P., Orrville, Ohio, assignor, by mesne assignments, to The Wood Preserving Corporation, Pittsburgh, Pa. Conditioning wood for impregnation with preservatives. 1,838,291; Dec. 29.
Arnold, William P., assignor to M. N. Arnold Shoe Company, North Abington, Mass. Shoe bag. 1,818,030; Aug. 11.
Arnold, William P., jr., Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y. Tank sampler. 1,819,058; Aug. 18.
Arnott, Ashley M., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Pipe closing device. 1,817,796; Aug. 4.
Arnoult, Jean B. E. E., assignor to Etablissements Ernest Arnoult, Paris, France. Heat exchanger. 1,794,573; Mar. 3.
Arnstein, Karl, and P. Helma, assignors to Goodyear Zeppelin Corporation, Akron, Ohio. Bulkhead for rigid airships. 1,818,952; Aug. 11.
Arnstein, Karl, P. Helma, and K. Bauch, assignors to Goodyear-Zeppelin Corporation, Akron, Ohio. Fastening means for airship envelopes. 1,797,186; Mar. 17.
Aro Equipment Corporation, The. (See Chapman, William A., assignor.)
Aro Equipment Corporation, The. (See Gille, G. W., and Wilson, assignors.)
Aro Equipment Corporation, The. (See Hartman, George H., assignor.)
Aronoff, Samuel, Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company. Testing meters. 1,819,494; Aug. 18.
Aronoff, Samuel, Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,822,075; Sept. 8.
Aronson, Louis V., Newark, N. J. Massage device. 1,833,105; Nov. 24.
Aronson, Louis V., assignor to Art Metal Works, Inc., Newark, N. J. Atomizer. 1,791,440; Feb. 3.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Lighter. 1,792,350; Feb. 10.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Lighter construction. 1,800,334; Apr. 14.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Lighter construction. 1,817,335; Aug. 4.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Plural section casing and latching mechanism therefor. 1,821,085; Sept. 1.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Combined safety razor and sharpening mechanism. 1,826,410; Oct. 6.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Lighter construction. 1,828,887; Oct. 27.
Aronson, Louis V., and F. Meyer, Newark, N. J.; said Meyer assignor of his entire right to said Aronson. Sounding device. 1,795,068; Mar. 3.
Aronson, Peter A., Devon, Conn., assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,790,129; Jan. 27.
Aronson, Peter R., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Priming mixture. 1,826,714; Oct. 13.
Arostegui, Maria A., Matanzas, Cuba. Piano pedal. 1,831,733; Nov. 10.
Arostegui, Maria A., Matanzas, Cuba. Sustaining piano notes in chords or octaves. 1,831,734; Nov. 10.
Arps, Bruno F., New Holstein, Wis. Runner and wheel assembly. 1,800,812; Apr. 14.
Arrasmith, Claude C., and H. D. Markwell, Edmonds, Wash. Camera. 1,820,767; Aug. 25.
Arrea, Estanislao, San Jose, Costa Rica. Gyroscopic compass and latitude indicator. 1,801,619; Apr. 21.
Arrigoni, F. E. (See Phelps, Clyde H., assignor.)
Arrow Expansion Bolt, Inc. (See Flora, George R., assignor.)
Arrow-Hart & Hegeman Electric Company, The. (See Blumensaadt, S. G., and Castelli, assignors.)
Arrow-Hart & Hegeman Electric Company. (See Cates, Frederic P., assignor.)
Arrow-Hart & Hegeman Electric Company, The. (See Harrington, William H., assignor.)
Arrow-Hart & Hegeman Electric Company. (See Haering, Norbert G., assignor.)
Arrow-Hart & Hegeman Electric Company, The. (See Johnson, D. W., and Nero, assignors.)
Arrow-Hart & Hegeman Electric Company, The. (See Nero, Arvid H., assignor.)
Arrowood, Milton W., Worcester, Mass. Apparatus for feeding powdered fuel. 1,831,087; Nov. 10.

Arrowood, Milton W., New York, N. Y. Apparatus for and method of feeding powdered fuel. 1,838,521; Dec. 29.
Arrowsmith, Thomas G., San Francisco, Calif. Water heater. 1,790,454; Jan. 27.
Arscott, William H. (See Halford, F. B., and Arscott.)
Arstutz, Noah S., Valparaiso, Ind., assignor, by mesne assignments, to The Northern Trust Company and Harold H. Rockwell, as trustees. Adjustable table and bench. 1,792,673; Feb. 17.
Art Concrete Works. (See Haase, L., and Brooks, assignors.)
Artcraft Iron Works, Inc. (See Korn, Harry, assignor.)
Artcraft Optical Co. (See Dechau, Otto W., assignor.)
Artcraft Silversmiths Company. (See Fisher, Samuel, assignor.)
Arter Grinding Machine Company. (See Arter, W., Arter, and Webster, assignors.)
Arter Grinding Machine Company. (See Arter, W., and Fraser, assignors.)
Arter, Harry. (See Arter, W., Arter, and Webster.)
Arter, William and H., and S. T. Webster, assignors to Arter Grinding Machine Company, Worcester, Mass. Magnetic chuck and circuits therefor. 1,816,888; Aug. 4.
Arter, William, Worcester, and W. F. Fraser, Westboro; said Fraser assignor to Arter Grinding Machine Company, Worcester, Mass. Grinding machine. 1,812,313; June 30.
Arthur, Alan C., and O. P. Lampson, Ventura, Calif. Expansion drill bit. 1,835,108; Dec. 8.
Arthur, Edward D., Palo Alto, assignor to Arthur Metal Products Company Ltd., San Francisco, Calif. Window screen catch. 1,834,371; Dec. 1.
Arthur, Ernest L., Fayetteville, W. Va., assignor of one-half to W. H. Haynes. Safety razor blade holder. 1,833,703; Nov. 24.
Arthur, George M., Glassboro, N. J. Fire fighting implement. 1,803,331; May 5.
Arthur, Gilbert V., Hot Springs, Va. Orthopedic appliance. 1,788,852; Jan. 13.
Arthur, James L. (See Chryst, W. A., and Arthur.)
Arthur, James L., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Ignition apparatus. 1,800,492; Apr. 14.
Arthur, James L., assignor to Delco-Remy Corporation, Anderson, Ind. Timer control. 1,801,583; Apr. 21.
Arthur, James L., assignor to Delco-Remy Corporation, Anderson, Ind. Circuit interrupter. 1,801,585; Apr. 21.
Arthur, James L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition apparatus. 1,813,900; July 14.
Arthur, James L., and D. L. Hittle, assignors to Delco-Remy Corporation, Anderson, Ind. Ignition device. 1,801,584; Apr. 21.
Arthur, John S. (See Gogarten, R., and Arthur.)
Arthur Metal Products Ltd. (See Arthur, Edward D., assignor.)
Arthur, Russell W., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture-film-retaining device. 1,797,539; Mar. 24.
Arthur, Van D. (See Traylor, W., and Arthur.)
Artim, John, Garfield, assignor to H. B. Wiggin's Sons Company, Bloomfield, N. J. Wall paper or similar article. Des. 83,385; Feb. 17.
Artim, John, Garfield, assignor to H. B. Wiggin's Sons Company, Bloomfield, N. J. Wall paper or similar article. Des. 83,943; Apr. 21.
Artkraft Sign Company, The. (See Newton, William T., assignor.)
Artley, Donald D., R. Hart, and R. R. Yeoman, Elkhart, Ind. Oboe or similar musical instrument. 1,801,187; Apr. 14.
Art Metal Company, The. (See Glatthar, George E., assignor.)
Art Metal Company, The. (See Glatthar, G. E., and Wening, assignors.)
Art Metal Company, The. (See Wening, Frederick, assignor.)
Art Metal Construction Company. (See Jones, James R., assignor.)
Art Metal Construction Company. (See Larson, Algot J. E., assignor.)
Art Metal Construction Company. (See Larson, O. J., and Jones, assignors.)
Art Metal Construction Company. (See Skar, John G. L., assignor.)
Art Metal Construction Company. (See Skar, J. G. L., and Syren, assignors.)
Art Metal Construction Company. (See Ulrich, Charles B., assignor.)
Art Metal Works. (See Aronson, Louis V., assignor.)
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Art Metal Works, Inc. (See Burchett, Walter J., assignor.)
Art Metal Works, Inc. (See Harris, Alexander, assignor.)
Art Metal Works, Inc. (See Pollak, Abraham, assignor.)
Artos Engineering Company. (See Andrén, K. H., and Olsen, assignors.)
Art Photogravure Company Limited. (See Astafiev, Michael, assignor.)
Art Wire and Stamping Company. (See Wiberg, Peter E., assignor.)
Arutunoff, Armais, Bartlesville, Okla. Internal-combustion pump. 1,796,425; Mar. 17.
Arutunoff, Armais, Bartlesville, Okla. Wire for winding motors, etc. 1,804,076; May 5.
Arvey Corporation. (See Horwath, Julius, assignor.)
Arvey Corporation. (See Regenstein, Joseph, assignor.)
Arvy-Ware Corporation. (See Hall, Richard E., assignor.)
Arzt, Tillie, New York, N. Y. Combination bed and chair. 1,811,680; June 23.
Asadoorian, Mariam E., Pasadena, Calif. Attachment for frying pans. 1,807,271; May 26.
Asahi Glass Company, The. (See Ohta, Hirotaro, assignor.)
Asbern Maschinenfabrik-Aktiengesellschaft, Augsburg-Goeggingen, et al. (See Sachs, Ernst, assignor.)
Asbridge, Harry H., Ashton-on-Mersey, assignor to The Churchill Machine Tool Company Limited, Broadheath, near Manchester, England. Grinding machine. 1,794,271; Feb. 24.
Asbury, Charles T. (See Bowers, Dana W., assignor.)
Asbury, Charles W., assignor to The Enterprise Manufacturing Company, Philadelphia, Pa. Meat chopper. 1,811,740; June 23.
Asbury, Dorsey F., Broomes Island, Md. Radio apparatus. Re18,023; Apr. 7.
Asbury, Dorsey F., Broomes Island, Md. Valve-spring connection. 1,789,209; Jan. 13.
Asbury, Joe, and E. R. Austin, Breckenridge, Tex. Bandalore toy. 1,793,151; Feb. 17.
Asch, Abraham B., New York, N. Y. Regulating device. 1,829,254; Oct. 27.
Aschenbrenner, Claus, Munich, assignor to the Firm Photogrammetrie G. m. b. H., Munich, Bavaria, Germany. Multiple chamber for taking photographs from aeroplanes. 1,797,849; Mar. 24.
Ascher, John H., Wellsburg, Iowa. Automatic brooder-house chute. 1,791,486; Feb. 10.
Ascher, Simon and Company. (See Grumbach, Harry, assignor.)
Ascherl, Alfons, and W. Gruber, Burghausen, assignors to Dr. Alexander Wacker Gesellschaft fur Elektrochemische Industrie, Munich, Germany. Reducing the viscosity characteristics of cellulose ethers. 1,834,040; Dec. 1.
Aseltine, Fred E., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Centrifugal clutch. 1,801,586; Apr. 21.
Aseltine, Fred E., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,833,196; Nov. 24.
Aseltine, Fred E., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,834,198; Dec. 1.
Aseltine, Fred E., and W. H. Teeter, assignors, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,819,495; Aug. 18.
Ash, Charles S., Royal Oak, assignor to Kelsay-Hayes Wheel Corporation, Detroit, Mich. Balancing means for motor vehicle wheels. 1,833,879; Nov. 24.
Ash, Horace I. and M. C., Alton, assignors to Standard Oil Company, (Indiana) Chicago, Ill. Furnace construction. 1,830,821; Nov. 10.
Ash, Millard C. (See Ash, Horace I. and M. C.)
Ashbaugh, John H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,828,273; Oct. 20.
Ashbaugh, John H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,832,609; Nov. 17.
Ashbaugh, John H., Pittsburgh, and H. C. Nycum, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Regulator system. 1,830,975; Nov. 10.
Ashbaugh, John H., Pittsburgh, and H. C. Nycum, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Regulator system. 1,832,610; Nov. 17.
Ashbaugh, John H., Wilkinsburg, and S. A. Staege, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company. Regulator system. 1,828,272; Oct. 20.
Ashby Furniture Company, The. (See Lee, Henry D., assignor.)
Ashby, Thomas, and W. H. Boaler, Spondon, near Derby, England, assignors to Celanese Corporation of America. Knitting machine. 1,796,642; Mar. 17.
Ashcroft, Edgar A., Waye House, near Ashburton, England. Metallurgy of ores or materials containing tin. 1,817,865; Aug. 4.
Ashe, Marselius T., Garden City, N. Y. Container. 1,807,233; May 26.
Ashe, Marselius T., Chicago, Ill. Vending machine. 1,825,847; Oct. 6.
Ashe, Marselius T., Garden City, N. Y. Vending machine. 1,832,081; Nov. 17.
Ashenhurst, Harold S., assignor, by mesne assignments, to Insulex Corporation Chicago, Ill. Making insulating blocks in the field. 1,805,069; May 12.
Asher, Allen P., Sandpoint, Idaho. Tool for removing dents from metallic bodies. 1,813,012; July 7.
Asher, Oscar G., Welaka, Fla. Combined tent and garage. 1,801,711; Apr. 21.
Asher, William J., Colorado Springs, Colo. Ironing machine. 1,809,467; June 9.
Ash Grove Lime & Portland Cement Company. (See Lundteigen, A., and Gardner, assignors.)

Ashley, Frank M., Brooklyn, N. Y. Fountain pen. 1,836,148; Dec. 15.
Ashmead-Danks Company, The. (See Danks, Alfred C., assignor.)
Ashmore, Leon H. (See Wood, E. S., Haden, Sharp, and Ashmore.)
Ashmore, Leon H., Collingswood, assignor to The Esterbrook Steel Pen Manufacturing Co., Camden, N. J. Pen. 1,800,425; Apr. 14.
Ashtabula Corrugated Box Company, The. (See Sherman, Elroy P., assignor.)
Ashton, Fred B., St. Louis, Mo. Automatic combination lock. 1,801,299; Apr. 21.
Ashton, George, Geiselgasteig, near Munich, and G. Frei, assignors to A. Haefeli, Munich, Germany. Carburetor. 1,811,288; June 23.
Ashton, James T., Battle Creek, Mich., assignor, by mesne assignments, to Oliver Farm Equipment Company, Wilmington, Del. One man controlled combined harvester and thrasher. 1,829,388; Oct. 27.
Ashton, Richard A. (See Smith, E. R., and Ashton.)
Ashton, Richard O., assignor to Kelvinator Corporation, Detroit, Mich. Mechanical refrigerating apparatus. 1,826,339; Oct. 6.
Ashton Valve Company, The. (See Motherwell, Joseph W., assignor.)
Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel machine. 1,790,084; Jan. 27.
Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel making machine. 1,807,818; June 2.
Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine and method for forming and attaching rands. 1,825,688; Oct. 6.
Ashworth, Fred, Wenham, and C. A. Newhall, Peabody, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Heel-lift-cementing machine. 1,788,610; Jan. 13.
Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine shuttle. 1,812,852; July 7.
Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,824,063; Sept. 22.
Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Feeding mechanism. 1,824,064; Sept. 22.
Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shuttle mechanism. 1,824,065; Sept. 22.
Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Take up mechanism. 1,824,066; Sept. 22.
Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,838,088; Dec. 29.
Ashworth, George B., Amsterdam, N. Y. Grate support. 1,805,477; May 19.
Ashworth, George B., Amsterdam, N. Y. Eccentric crank. 1,830,976; Nov. 10.
Ashworth, Harry E. (See Snavely, C. S., and Ashworth.)
Ashworth, Percy, Salford, England. Sizing machine for artificial silk. 1,801,065; Apr. 14.
Ashworth, Percy J., Cranston, R. I. Rotary internal combustion engine. 1,817,663; Aug. 4.
Asire, Horace W., assignor to General Motors Research Corporation, Dayton, Ohio. Multiple carburetor charge forming device. 1,825,381; Sept. 29.
Ask, George M., Kirkwood, Calif. Water wheel. 1,804,583; May 12.
Askam, Le Roy, Milford, Conn. Automobile ventilator. 1,787,561; Jan. 6.
Askam, Le Roy, Milford, Conn. Package carrier. 1,793,729; Feb. 24.
Askam, Le Roy, Milford, Conn. Parachute. 1,834,370; Dec. 1.
Askam, Le Roy, Milford, Conn. Windshield clarifier. 1,834,372; Dec. 1.
Askania-Werke Aktiengesellschaft vormals, Centralwerkstatt Dessau und Carl Bamberg-Friedenau. (See Wünsch, Erich P. G., assignor.)
Aske, Irving E., Minneapolis, Minn. Cylinder head for internal-explosion engines. 1,792,057; Feb. 10.
Aske, Irving E., Minneapolis, Minn. Vaporizer. 1,810,384; June 16.
Aske, Irving E., Duluth, Minn. Vaporizing hydrocarbon fuel. 1,810,382; June 16.
Aske, Irving E., W. F., and L. E., Minneapolis, Minn. Vaporizer. 1,810,383; June 16.
Aske, Leonard E. (See Aske, Irving E., W. F., and L. E.)
Aske, William F. (See Aske, Irving E., W. F., and L. E.)
Askenasy, Paul, Karlsruhe, and O. Merkel, Herne, Germany, assignors to the Firm Patentverwertungs A. G., "Alpina", G. A. pour l'Eploitation de Brevets "Alpina", Patents Exploitation Cy. "Alpina" Ltd., Basel, Switzerland. Catalyst. 1,829,848; Nov. 3.
Askew, Charles B., Chicago, Ill. Laundry machine. 1,796,914; Mar. 17.
Askey, Howard H., et al. (See Askey I., and Carson, assignors.)
Askey, Ida, and W. L. Carson, assignors of one-fourth to H. H. Askey, Lorain, and one-fourth to N. L. Carson, Elyria, Ohio. Wearing apparel. 1,789,422; Jan. 20.
Askin, Joseph, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator. 1,829,777; Nov. 3.
Asleson, Hans J., Minneapolis, Minn. Trussed metal structure. 1,788,183; Jan. 6.
Asmus, William, assignor to The Kawneer Company, Niles, Mich. Corner bar for store front constructions. 1,834,512; Dec. 1.
Asmussen, Peter, Seattle, Wash. Automatic transmission. 1,787,466; Jan. 6.
Asociacion De Productores De Yodo De Chile. (See Schlotter, Max., assignor.)
Aspden, Frank, Vancouver, British Columbia, Canada, assignor to Ransome Concrete Machinery Company, Dunellen, N. J. Water supply means for concrete mixers. 1,825,039; Sept. 29.
Aspenleiter, Peter A., Cincinnati, Ohio, assignor, by mesne assignments, to United Autographic Register Co., Chicago, Ill. Paper cutter. 1,819,727; Aug. 18.
Asper, Jean, Hazleton, Pa. Slide rule. 1,790,569; Jan. 27.
Asper, Lewis, Minneapolis, Minn. Storm sash holder. 1,821,415; Sept. 1.
Asper, Otto, Horgen, near Zurich, assignor to the Firm Sauser A. G., Soleure, Switzerland. Key control for liquid registers. 1,808,447; June 2.
Asphalto Concrete Corporation. (See Weir, Robert M., assignor.)
Aspinwall, Lewis A., La Crosse, Wis., assignor, by mesne assignments, to Oliver Farm Equipment Company. Potato planter. 1,828,274; Oct. 20.
Assael, Maurice M., Paris, France. Decorative product. 1,819,535; Aug. 18.
Asserson, Raymond. (See Farnham, P. O., and Asserson.)
Associated Apparel Industries, Inc. (See Axline, Edward S., assignor.)
Associated Electric Laboratories, Inc. (See Robinson, Harold C., assignor.)
Associated Electrical Industries, Ltd. (See Bailey, Richard W., assignor.)
Associated Electrical Industries Limited. (See Brown, Walter J., assignor.)
Associated Electrical Industries Limited. (See Brown, W. J., and Burch, assignors.)
Associated Electrical Industries Limited. (See Hinton, Norman P., assignor.)
Associated Electrical Industries Limited. (See Robinson, Ernest Y., assignor.)
Associated Engineers Company. (See Buck, N. E., Warner, and Lewis, assignors.)
Associated Lead Manufacturers, Limited. (See Waring, Horace, assignor.)
Associated Manufacturers Company. (See Menges, Theodore C., assignor.)
Associated Manufacturers Corporation of America. (See Day, Ira W., assignor.)
Associated Manufacturers Corporation of America. (See Edwards, James M., assignor.)
Associated Merchandising Corporation. (See Boetzel, Rozane, assignor.)
Associated Merchandising Corporation. (See Greenberg, Max, assignor.)
Associated Merchandising Corporation. (See Griffith, Jeane, assignor.)
Associated Merchandising Corporation. (See Guzak, Mary I., assignor.)
Associated Merchandising Corporation. (See Haupter, Emma M., assignor.)
Associated Merchandising Corporation. (See Hicks, Chester T., assignor.)
Associated Merchandising Corporation. (See Kahn, Eleanor, assignor.)
Associated Oil Company. (See Suman, George O., assignor.)
Associated Telephone & Telegraph Company. (See Adams, Herbert, assignor.)
Associated Telephone and Telegraph Company. (See Beale, Charles E., assignor.)
Associated Telephone and Telegraph Company. (See Francis, F. W., and Cruickshank, assignors.)
Associated Telephone & Telegraph Company. (See Gunning, Percy F., assignor.)
Associated Telephone and Telegraph Company. (See Kessler, F., and Forster, assignors.)
Associated Telephone & Telegraph Company. (See Mercer, Richard, assignor.)
Associated Telephone and Telegraph Company. (See Ostline, John E., assignor.)
Associated Telephone and Telegraph Company. (See Passmore, William O., assignor.)
Associated Telephone and Telegraph Company. (See Paulett, W. H., and Gillings, assignors.)
Associated Telephone and Telegraph Company. (See Remington, Charles, assignor.)
Associated Telephone and Telegraph Company. (See Rosely, Philip N., assignor.)
Associated Telephone & Telegraph Company. (See Savin, J., and Boyd, assignors.)
Associated Telephone and Telegraph Company. (See Simpson, Lancelot M., assignor.)
Associated Telephone and Telegraph Company. (See Smith, Sidney R., assignor.)

Associated Telephone and Telegraph Company. (See Smith, S. R., and Ostline, assignors.)
Associated Telephone & Telegraph Company. (See Stehlik, R. F., and Pittevil, assignors.)
Associated Telephone and Telegraph Company. (See Taylor, Reginald, assignor.)
Associated Telephone and Telegraph Company. (See Taylor, R., and Beale, assignors.)
Associated Telephone and Telegraph Company. (See Taylor, R., and Simpson, assignors.)
Associated Telephone and Telegraph Company. (See Vick, W. S., and Turton, assignors.)
Associated Telephone and Telegraph Company. (See Woodhead, Harry S., assignor.)
Astafiev, Michael, Chelsea, London, assignor, by mesne assignments, to Art Photogravure Company Limited, London, England. Optical system. 1,812,765; June 30.
Astarita, James J., Merrick, N. Y. Window screen. 1,790,455; Jan. 27.
Aste, Robert L., Brooklyn, N. Y., assignor to Griffin Manufacturing Company, Inc., New York, N. Y. Bottle. Des. 83,892; Apr. 14.
Aster, Alvin K., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound picture system. 1,835,743; Dec. 8.
Aster, Johanna E., New York, N. Y. Cigar and cigarette holder and similar article. 1,816,139; July 28.
Aster, John, Manufacturing Company. (See Dean, John, assignor.)
Astle, William. (See Wightman, R. J., and Astle.)
Astley, John W., assignor to British Insulated Cables Limited, Prescot, England. Connecting device for use with stranded metal cables. 1,824,005; Sept. 22.
Aston, James. (See Beale, A. H., and Aston.)
Aston, James, and A. H. Beale, assignors, by mesne assignments, to A. M. Byers Company, Pittsburgh, Pa. Manufacture of wrought iron from Bessemer steel. 1,820,177; Aug. 25.
Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Company, New York, N. Y. Tandem hot metal car. 1,812,314; June 30.
Astrom, John, assignor of one-half to Deister Machine Company, Fort Wayne, Ind. Apparatus for treating liquids. 1,789,961; Jan. 27.
Astrup Company, The. (See Astrup, Walter C., assignor.)
Astrup Company, The. (See Heiser, Henry C., assignor.)
Astrup, Walter C., assignor to The Astrup Company, Cleveland, Ohio. Awning rod end piece. Des. 85,630; Dec. 1.
Astrup, Walter C., assignor to The Astrup Company, Cleveland, Ohio. Awning fixture. 1,799,668; Apr. 7.
Astrup, Walter C., assignor to The Astrup Company, Cleveland, Ohio. Ball-bearing worm-gear for roller awnings. 1,813,524; July 7.
Astrup, Walter C., assignor to The Astrup Company, Cleveland, Ohio. Awning bracket. 1,813,525; July 7.
Atack, Frederick W., Kingston, assignor to Industrial Processes Development Limited, Toronto, Ontario, Canada. Emulsion. 1,812,074; June 30.
Ateliers de Constructions-Electriques de Charleroi. (See Cornu, Maurice, assignor.)
Ateliers de Construction & Fonderies de Jeumont. (See Escole, Paul, assignor.)
Ateliers de Construction & Fonderies de Jeumont (Anciens Etablissements Th. Haut). (See Escole, Paul, assignor.)
Ater, Milford, Chillicothe, Ohio. Kite parachute. 1,816,814; Aug. 4.
Atha, Charles G., Biggar, Scotland, assignor to Clifton Limited, Douglas, Isle of Man, England. Clutch device for automobiles. 1,799,077; Mar. 31.
Athana, Jacquelyn H., assignor to Leander Development Corporation, New York, N. Y. Heating indicator for automobiles. Des. 83,087; Jan. 20.
Atherton, Albert, Bloomfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Repeating apparatus for concentration units. 1,805,351; May 12.
Athey Truss Wheel Co. (See Kuchar, Joseph, assignor.)
Athimon, Francis, Paris, France. Servo-brake. 1,816,067; July 28.
Athol Manufacturing Company. (See Alling, Guy E., assignor.)
Atkins, Charles H., assignor to Atkins and Company, Inc., Palmer, Mass. Siphon pipe reducer. 1,833,551; Nov. 24.
Atkins and Company. (See Atkins, Charles H., assignor.)
Atkins, E. C., & Company. (See Gommel, Dewey E., assignor.)
Atkins, Edgar H., Richmond, Va., assignor to Mergenthaler Linotype Company. Typographical composing and casting machine. 1,804,489; May 12.
Atkins, Henry W., Hood, Calif. Blade disinfecting device for pruning shears. 1,836,009; Dec. 15.
Atkins, James. P., Sapulpa, Okla. Toy. 1,832,756; Nov. 17.
Atkinson, Benjamin, Salt Lake City, Utah. Adjustable level. 1,792,266; Feb. 10.
Atkinson, Cyril J. (See Batenburg, P. J. F., and Atkinson.)
Atkinson, Daniel E., Tallahassee, Fla. Plow handle. 1,829,467; Oct. 27.
Atkinson, Earl B. (See Judd, P. L., Atkinson, and Anderson.)
Atkinson, Joseph M., Baltimore, Md., assignor to Oppenheim, Oberndorf & Co., Inc. Garment. 1,797,115; Mar. 17.
Atkinson, John R., R. Goodell, Los Angeles, and J. K. Stege, Huntington Park, Calif.; said Goodell and said Stege assignors to said Atkinson. Machine for making stereotype plates for printing for the blind. 1,832,683; Nov. 17.
Atkinson, Ralph L., Dorchester, assignor to Arthur D. Little, Incorporated, Cambridge, Mass. Making colored granules and the articles made thereby. 1,792,058; Feb. 10.
Atkinson, Spencer R., Pasadena, Calif. Orthodontic appliance. 1,821,171; Sept. 1.
Atkinson, Truman L., Ludington, Mich. Wardrobe or closet fixture. 1,833,147; Nov. 24.
Atkinson, Wade & Co. (See Fauser, Gustave M., assignor.)
Atkinson, William R., assignor of one-third to J. A. Brown, Winfield, N. Y. Automobile bumper. 1,817,866; Aug. 4.
Atlanta, Birmingham and Coast Railroad Company. (See Kirkland, Albert W., assignor.)
Atlantic Carton Corporation. (See Whitehead, Earl B., assignor.)
Atlantic Coast Fisheries Company, The. (See Cooke, Alexander H., assignor.)
Atlantic Coast Fisheries Company, The. (See Taylor, Harden F., assignor.)
Atlantic, Gulf and Pacific Company. (See Dietert, Rudolph H., assignor.)
Atlantic Precision Instrument Company. (See Allen, Albert, assignor.)
Atlantic Precision Instrument Company. (See Allen, A., and Callan, assignors.)
Atlantic Precision Instrument Company. (See Field, Robert F., assignor.)
Atlantic Refining Company, The. (See Bennett, Harry T., assignor.)
Atlantic Refining Company, The. (See Ferris, Seymour W., assignor.)
Atlantic Refining Company, The. (See Henderson, L. M., and Cowles, assignors.)
Atlantic Refining Company, The. (See Peterkin, Albert G., jr., assignor.)
Atlantic Refining Company, The. (See Pierce, David E., assignor.)
Atlantic Stamping Company. (See Dowling, Martin J., assignor.)
Atlas Ago Chemische Fabrik. (See Scholz, Victor, assignor.)
Atlas Ago Chemische Fabrik Aktiengesellschaft. (See Scholz, Victor, assignor.)
Atlas Bolt & Screw Company, The. (See Schellentrager, Eugene W., assignor.)
Atlas Bolt & Screw Company, The. (See Weidler, Ward W., assignor.)
Atlas Imperial Diesel Engine Company. (See Olin, August, assignor.)
Atlas Lime Company, The. (See Haggard, Jerre, assignor.)
Atlas Manufacturing Company. (See Gaines, Eugene F., assignor.)
Atlas Metal Works. (See Reetz, Conrad A., assignor.)
Atlas Powder Company. (See Djidich, Alexander, assignor.)
Atlas Powder Company. (See Hill, Roy L., assignor.)
Atlas Powder Company. (See Taylor, A. M., and Chapman, assignors.)
Atlas Press Company. (See Collins, James G., assignor.)
Atlas Press Company, The. (See Penniman, J. H., and Collins, assignors.)
Atlas Scraper Co. (See Ricks, Hyrum, assignor.)
Atlas Supply Company. (See McKenna, Charles J., assignor.)
Atlas Tack Corporation. (See Alford, Frank R., assignor.)
Atlas Tack Corporation. (See Jacques, George W., assignor.)
Atlas-Werke Aktiengesellschaft, The Firm. (See von Beulwitz, Gustav, assignor.)
Atlas-Werke Aktiengesellschaft, The Firm. (See Wiese, Diedrich, assignor.)
Atmospheric Nitrogen Corporation. (See de Jahn, Fredrik W., assignor.)
Atmospheric Nitrogen Corporation. (See Humphrey, Herbert A., assignor.)
Atmospheric Nitrogen Corporation. (See Kniskern, Walter H., assignor.)
Atmospheric Nitrogen Corporation. (See Loud, Henry S., assignor.)
Atmospheric Nitrogen Corporation. (See Smith, F. E., and Cole, assignors.)
Atomic Power Corporation. (See Lynn, R. M., and Malouf, assignors.)
Atomic Power Corporation. (See Malouf, William M., assignor.)
Atta, William S., Waterbury, Conn. Curtain operating device for automobiles and the like. 1,828,166; Oct. 20.
Attenborough, Fred. (See May, E. T., and Sheriff, assignors.)
Attenborough, Fred, Harrington Park, Long Eaton, England. Circular-knitting machine. 1,798,514; Mar. 31.
Attenborough, Fred, Harrington Park, Long Eaton, England. Circular knitting machine. 1,811,289; June 23.
Atterbury, Niles, Pittsburgh, Pa. Valve. 1,790,363; Jan. 27.

Atteslander, Edouard, assignor to the Firm of Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Diesel-electric locomotive. 1,828,992; Oct. 27.
Attinger, Leon, et al. (See Gage, Edward G., assignor.)
Attlast Company. (See McCarthy, Richard B., assignor.)
Attractor, Inc. (See Ware, Robert C., assignor.)
Attridge, Oliver H., assignor to Lucey Manufacturing Corporation, Chattanooga, Tenn. Brake equalizer. 1,788,141; Jan. 6.
Attwood, Charles E., Wollaston, assignor to Postindex Company, Inc., Boston, Mass. File cabinet. 1,833,882; Nov. 24.
Atwood, Francis C., Newton, Mass. Apparatus for distributing finely divided material. 1,838,648; Dec. 29.
Attwood, Frank A., assignor to R. A. Lister & Company, Limited, Dursley, England. Engine starting means. 1,839,008; Dec. 29.
Atwater, Harry A., Kansas City, Mo. Self relighting pilot light for gas burners. 1,820,724; Aug. 25.
Atwater, Karl W., assignor to H. A. Brassert & Company, Chicago, Ill. Bearing. 1,811,703; June 23.
Atwater Kent Manufacturing Company. (See Bradley, Charles S., assignor.)
Atwater Kent Manufacturing Company. (See Da Costa, Robert C., assignor.)
Atwater Kent Manufacturing Company. (See Kingsford, Russell T., assignor.)
Atwater Kent Manufacturing Company. (See Kingsford, R. T., and Davis, assignors.)
Atwater Kent Manufacturing Company. (See Lillibridge, Hoxsie W., assignor.)
Atwater Kent Manufacturing Company. (See Lodge, Edmund G., assignor.)
Atwater Kent Manufacturing Company. (See Macnabb, Vernon C., assignor.)
Atwater Kent Manufacturing Company. (See Mayhew, F. M., Reiff, and Kelly, assignors.)
Atwater Kent Manufacturing Company. (See Miller, John M., assignor.)
Atwater Kent Manufacturing Company. (See Reiher, Martin H., assignor.)
Atwater Kent Manufacturing Company. (See Silva, Albert D., assignor.)
Atwater Kent Manufacturing Company. (See Tarzian, Sarkes, assignor.)
Atwater Kent Manufacturing Company. (See Travis, Charles, assignor.)
Atwater Kent Manufacturing Company. (See Zisch, George J., assignor.)
Atwell, Harold V., assignor to Standard Oil Company, Whiting, Ind. Prevention of evaporation losses. 1,800,043; Apr. 7.
Atwell, Harold V., et al., trustees. (See Hamblen, Jennings B., assignor.)
Atwood, Charles L. (See Atwood, Elmer E., assignor.)
Atwood, Duke V., assignor to Delco-Remy Corporation, Anderson, Ind. Wire unreeling apparatus. 1,834,993; Dec. 8.
Atwood, Elmer E., assignor of one-half to C. L. Atwood, Fitchburg, Mass. Electrical connection. 1,835,688; Dec. 8.
Atwood, Francis C., Newton, Mass. Method and apparatus for producing mica products. 1,829,031; Oct. 27.
Atwood, Francis C., Newtonville, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Hardening gelatine films and resulting product. 1,801,478; Apr. 21.
Atwood, George D., Brooklyn, N. Y. Spool. 1,835,366; Dec. 8.
Atwood, George F., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable electrical apparatus. 1,805,229; May 12.
Atwood, Hart W., Portland, Oreg. Automatic means for lubricating the bearings of a machine. 1,803,456; May 5.
Atwood, James C., Syracuse, N. Y., assignor to General Motors Corporation, Detroit, Mich. Broach. 1,806,552; May 19.
Atwood & Morrill Co. (See Morrill, Herbert B., assignor.)
Atwood, William G., trustee. (See Fisher, Alfred, assignor.)
Atwood, Winfield A., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,793,300; Feb. 17.
Atwood, Winfield A., Lansdowne, Pa., assignor to General Electric Company. Time element device. 1,810,591; June 16.
Aubel, Verne W., Buffalo, N. Y., and J. B. Fitz Gibbon, Bridgeburg, Ontario, Canada. Heat recuperator or regenerator structure. 1,804,393; May 12.
Aubert, John O. A., New York, N. Y. Press and display rack. 1,810,744; June 16.
Aubertin, Wilhelm T., Valby, Copenhagen, Denmark. Machine for working wood. 1,789,398; Jan. 20.
Aubol, Julius A., Minot, N. Dak. Gambrel. 1,813,600; July 7.
Auburn Automobile Company. (See Cord, E. L., Snow, and Hollister, assignors.)
Auburn Automobile Company. (See Leamy, Alan H., assignor.)
Aud, William L., Poolesville, Md., assignor, by mesne assignments, to Safety Devices Corporation, Dover, Del. Life saving suit. 1,807,680; June 2.
Audet, Alfred, Salem, Mass. Sunken cuspidor. 1,834,927; Dec. 8.
Audiffren Refrigerating Machine Company. (See Perkins, Karl D., assignor.)
Audino, Domenico, Buffalo, N. Y. Spool rack. 1,832,850; Nov. 24.
Audio-Cinema, Incorporated. (See Carpenter, Arthur W., assignor.)
Audio-Cinema, Incorporated. (See Goldman, Frank L., assignor.)
Audio-Cinema, Incorporated. (See Lane, George, assignor.)
Auditorium Ventilating Corporation. (See Lewis, L. L., and Buensod, assignors.)
Audrain, Constant A., Habana, Cuba. Airplane landing and launching mechanism. 1,836,010; Dec. 15.
Audubert, René, Paris, France, assignor to Societe Anonyme des Procedes R. Audubert, Paris, France. Motor car filter system. 1,810,458; June 16.
Auensen, Peder K., Vestre Aker, near Oslo, Norway. Bow guide for violins and the like stringed musical instruments. 1,789,210; Jan. 13.
Auer, Elizabeth C., and H. M. Hart, Chicago, Ill. Multiplex heater for permanent-wave machines. 1,800,712; Apr. 14.
Auerbach, Abraham. (See Auerbach, Harry, assignor.)
Auerbach, Abraham, Brooklyn, N. Y. Attachment for sewing machines for the manufacture of piping. 1,836,742; Dec. 15.
Auerbach, Ernst B., Berlin, Germany. Treating, separating, and purifying oils. 1,805,751; May 19.
Auerbach, Harry, assignor to A. Auerbach, Brooklyn, N. Y. Convertible presser foot. 1,826,592; Oct. 6.
Auerbach, Herbert S. (See Stein, Emil G., assignor.)
Auerbach, Rudolf, Probstdeuben, near Leipzig, Germany. Apparatus for preparing emulsions. 1,790,967; Feb. 3.
Auerbach, Zemach, New York, N. Y. Filing and recording system. 1,795,699; Mar. 10.
Auerhaan, Joseph J., Brooklyn, N. Y. Amplifying horn. 1,832,851; Nov. 24.
Aufderheide, Fred C., St. Louis, Mo. Burial vault. 1,832,611; Nov. 17.
Aufiero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Cover plate for a signal device or similar article. Des. 82,967; Jan. 6.
Aufiero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Horn or similar article. Des. 85,457; Nov. 3.
Aufiero, John M., Brooklyn, N. Y. Motor horn. 1,829,494; Oct. 27.
Aufiero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Windshield wiper and motor. 1,793,041; Feb. 17.
Aufiero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Electrical connecting member. 1,808,335; June 2.
Aufiero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Winshield wiper. 1,812,918; July 7.
Aufiero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Horn. 1,838,081; Dec. 29.
Aufiero, John M., Brooklyn, and J. H. Smoot, New York, assignors to E. A. Laboratories, Inc., Brooklyn, N. Y. Commutator and making the same. 1,826,443; Oct. 6.
Augenstein, Karl, C., Cranston, assignor to Automatic Gold Chain Co., Providence, R. I. Chain. 1,796,355; Mar. 17.
Auger, Eugene T. (See Schmidt, Walter, assignor.)
Augustin, Charles, and T. P. Carroll, St. Louis, Mo. Collapsible fruit and novelty box. 1,820,523; Aug. 25.
Augustine, Louis, Baltimore, Md. Automatic control for marine engines. 1,802,305; Apr. 21.
Aulbach, Charles J., Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 1,811,106; June 23.
Aulbach, Charles J. and E. D. Anderson, Passaic, N. J., assignors to Continental Can Company, Inc., New York, N. Y. Pouring spout for containers. 1,794,098; Feb. 24.
Auld, D. L., Company, The. (See Cochran, Rae E., assignor.)
Auld, D. L., Company, The. (See Hyatt, Raymond D.)
Auld, D. L. Company, The. (See Hyatt, R. D., and Cochran, assignors.)
Auld, Frederick H., Columbus, Ohio. Manufacturing material for airplane uses. 1,789,288; Jan. 20.
Auld, Samuel J. M., A. E. Dunstan, and P. H. Herring, Sunbury-on-Thames, assignors to Anglo-Persian Oil Company, Limited, London, England. Treatment of liquid hydrocarbons. 1,798,054; Mar. 24.
Auld, William, Chicago, Ill. Shaper guard. 1,801,256; Apr. 21.
Aulenback, James R., Worcester, Mass. Boring tool. 1,815,756; July 21.
Aulenback, James R., assignor to Aulenback Tool Company, Worcester, Mass. Internal micrometer gauge. 1,819,144; Aug. 18.
Aulenback Tool Company. (See Aulenback, James R., assignor.)
Auler, Alphonse H., St. Louis, Mo. Time indicator for motor vehices. 1,835,584; Dec. 8.
Aull, Harry. (See Decker, J. C., and Aull.)
Aull, Wilson, jr. (See Washington, B., and Aull.)
Aull, Wilson, jr., Astoria, N. Y. Variable condenser. 1,824,031; Sept. 22.
Aull, Wilson, jr., Astoria, and H. W. Houck, Mount Vernon, N. Y. Loud-speaker motor. 1,788,557; Jan. 13.

Aulmann, Theodore, Des Moines, Iowa. Self supporting cane. 1,802,323; Apr. 28.
Ault & Wiborg Co., The. (See Miller, Amos L., assignor.)
Aumann, Willy, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company. Metal oxide rectifier. 1,801,836; Apr. 21.
Aungst, Ira A., Canton, Ohio. Self winding electric clock. 1,819,761; Aug. 18.
Aurich, Peter, assignor to Gebr. Eickhoff, Maschinenfabrik u. Eisengiesserei, Bochum, Germany. Shaking conveying device. 1,814,277; July 14.
Aurien, George, St. Louis, Mo., assignor to Mississippi Glass Company, New York, N. Y. Apparatus and method for making wire glass. 1,791,260; Feb. 3.
Aurili, Albert, Lake Worth, Fla. Radiocabinet. Des. 84,505; June 30.
Auringer, Jay A., Bywood, Upper Darby, Pa., assignor to General Electric Company. Electric switching apparatus. 1,797,936; Mar. 24.
Aurora Corset Company. (See Mead, Larkin J., assignor.)
Aurora Metal Company, (See Le May, John, assignor.)
Aurora Sign Company. (See Gross, Joseph E., assignor.)
Ausman, Paul W., Birmingham, Ala. Slag cooling apparatus. 1,803,886; May 5.
Aust, Harry, Philadelphia, Pa. Multiple to hose. 1,814,885; July 14.
Austin, Agnes W., Bovill, Idaho. Pie crust seal. 1,827,062; Oct. 13.
Austin, Arthur O., near Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Supporting baffles in oil-filled bushings. Re18,189; Sept. 15.
Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Process and apparatus for testing insulators. 1,796,427; Mar. 17.
Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Link-insulator fitting. 1,796,428; Mar. 17.
Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Apparatus for testing insulators. 1,796,429; Mar. 17.
Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Disconnecting switch. 1,796,430; Mar. 17.
Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Diverting energy from high-potential conductors. 1,796,431; Mar. 17.
Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Condenser. 1,810,385; June 16.
Austin, Arthur O., Barberton, assignor, by mesne assignments to The Ohio Brass Company, Mansfield, Ohio. Pothead for insulated cable terminals. 1,823,674; Sept. 15.
Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Coating and heat treating apparatus. 1,823,675; Sept. 15.
Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator with nested parts. 1,823,676; Sept. 15.
Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Clamp for cables or the like. 1,825,650; Oct. 6.
Austin, Arthur O., near Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Clamp for cables or the like. 1,828,306; Oct. 20.
Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Outlet for high potential cable. 1,829,032; Oct. 27.
Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Series transformer connection. 1,835,199; Dec. 8.
Austin, Arthur O., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Transformer arrangement. 1,835,200; Dec. 8.
Austin, Arthur O., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Multiple transformer arrangement. 1,835,201; Dec. 8.
Austin, Arthur O., near Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,836,743; Dec. 15.
Austin, Bascum O., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,801,837; Apr. 21.
Austin, Bascum O., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,811,451; June 23.
Austin, Clarence W. (See Austin, James D. and C. W.)
Austin, Clarence W., Canton, assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Locking mechanism for lockers. 1,790,130; Jan. 27.
Austin, Dwight E., Los Angeles, Calif. Vehicle. Des. 84,391; June 16.
Austin, Dwight E., Los Angeles, Calif. Vehicle. Des. 85,273; Oct. 6.
Austin, Earl R. (See Asbury, J., and Austin.)
Austin, Edward, assignor to General Electric Company, Schenectady, N. Y. High frequency signaling system. 1,803,161; Apr. 28.
Austin, Francis S., Pittsburgh, Pa., and L. Campbell, jr., Lakewood, Ohio, assignors to Carbo-Oxygen Company, Pittsburgh, Pa. Blowpipe. 1,830,459; Nov. 3.
Austin, Frank A., Syracuse, N. Y. Fuel grate. 1,825,040; Sept. 29.
Austin, Frank E., Hanover, N. H. Educational apparatus. 1,810,745; June 16.
Austin, Frederick D., assignor of one-half to D. J. Kelly, jr., Port Chester, N. Y. Teakettle and like domestic boiler. 1,827,131; Oct. 13.
Austin, Georganna. (See Bertelsen, Arnold and E. V., assignors.)
Austin, George, Kansas City, Mo. Well screen. 1,808,803; June 9.
Austin, Harry M., assignor to I. Fischman & Sons, Philadelphia, Pa. Premixed drink dispenser. 1,836,893; Dec. 15.
Austin, Harvey B., Wayne, assignor to The Pringle Electrical Manufacturing Company, Philadelphia, Pa. Switch lock. 1,829,329; Oct. 27.
Austin, Herbert, Bromsgrove, England. Cylinder of internal combustion engines. 1,816,819; Aug. 4.
Austin, Herbert, Bromsgrove, England. Carrying spare wheels or tires. 1,830,183; Nov. 3.
Austin, Irving M., jr., Rye, N. Y. Gas pilot and burner. 1,809,397; June 9.
Austin, James D., Toledo, and C. W. Austin, assignors of one-fourth to William Isler, Canton, Ohio. Chain. 1,793,452; Feb. 24.
Austin, John F., Murray, and D. H. McIntosh, Salt Lake City, Utah, assignors to American Smelting and Refining Company, New York, N. Y. Apparatus for blast furnace control. 1,809,324; June 9.
Austin, John F., Murray, and D. H. McIntosh, Salt Lake City, Utah, assignors to American Smelting and Refining Company, New York, N. Y. Apparatus for automatically withdrawing gas samples. 1,809,325; June 9.
Austin, John F., Murray, and D. H. McIntosh, Salt Lake City, Utah, assignors to American Smelting & Refining Company, New York, N. Y. Controlling blast furnaces. 1,809,326; June 9.
Austin, Kirby B., Scotia, N. Y., assignor to General Electric Company. Protective means for sound reproducers. 1,814,817; July 14.
Austin, Lucile C., Upland, Calif. Liquid dispensing container. 1,834,672; Dec. 1.
Austin Manufacturing Co. (See Beatty, William T., assignor.)
Austin Manufacturing Co. (See Beatty, W. T., Davis, and Wilson, assignors.)
Austin Manufacturing Co. (See Beatty, W. T., and Wilson, assignors.)
Austin Manufacturing Co. (See Davis, F. S., and Burns, assignors.)
Austin Manufacturing Co. (See Wilson, Fred D., assignor.)
Austin, Miner M., Waukegan, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Tantalum spinneret. 1,791,785; Feb. 10.
Austin, Percival C. (See Bates, J. S., Chalmers, and Austin.)
Austin, Ralph W., Weymouth, Mass. Fire extinguisher. 1,815,963; July 28.
Austin, Roger K., Avon-by-the-Sea, N. J., assignor to Congoleum-Nairn, Inc. Display rack. 1,835,744; Dec. 8.
Austin, Walter M., and J. B. MacNeill, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,820,687; Aug. 25.
Austin, William S. (See Carl, B. E., and Austin.)
Austral Window Company. (See Hull, Franklyn H., assignor.)
Autem, Fred, assignor to Textile Machine Works, Wyomissing, Pa. Braiding machine. 1,834,928; Dec. 8.
Auter, José P., Gerona, Spain. Gas burner. 1,815,176; July 21.
Auth, John A. (See Trembour, M. R., and Auth.)
Autocall Company, The. (See Love, F. B., and Smith, assignors.)
Autocall Company, The. (See Richmond, Louis E., assignor.)
Autocall Company, The. (See Smith, Boyd H., assignor.)
Auto Choke Signal. (See Bell, Ray H., assignor.)
Auto Compressor Company, The. (See Bahner, C., and Crady, assignors.)
Autodrink Corporation, The. (See Smith, H. C., and Vanneman, assignors.)
Autogen Gasaccumulator Aktiengesellschaft. (See Hentschel, H., and Greggersen, assignors.)
Autogiro Company of America. (See De la Cierva, Juan, assignor.)
Autogiro Company of America. (See Pitcairn, Harold F., assignor.)
Autographic Register Company. (See Borchers, William G., assignor.)
Autographic Register Company. (See Brenn, Carl W., assignor.)
Autographic Register Company. (See Carroll, Hezekiah W., jr., assignor.)
Autographic Register Company. (See Johnson, Arthur A., assignor.)
Autographic Register Company. (See Oliver, Walter E., assignor.)

Autokraft Box Corporation. (See Adamson, Allan A., assignor.)
Autokraft Box Corporation. (See Hoy, John F., assignor.)
Auto Loading Device Manufacturing Company. (See Fedderman, George C., assignor.)
Automatic Anchor-Control Corporation. (See Schauman, Frank, assignor.)
Automatic Appliance Company. (See Mapel, Lewis A., assignor.)
Automatic Arc Welding Company. (See Morton, Harry D., assignor.)
Automatic Cap Co., Inc. (See Harris, Max F., assignor.)
Automatic Coal Burner Company. (See Schweickart, William M., assignor.)
Automatic Coal Burner Co. (See Warner, Edgar T., assignor.)
Automatic Devices, Inc. (See Burkholder, John D., assignor.)
Automatic Dowel Lock Corporation. (See Newcomb, Howard A., assignor.)
Automatic Drive and Transmission Company. (See Vail, Henry H., assignor.)
Automatic Electric Inc. (See Erickson, John, assignor.)
Automatic Electric Inc. (See Hersey, Harry E., assignor.)
Automatic Electric Inc. (See Hudd, Alfred E., assignor.)
Automatic Electric Inc. (See Lomax, Clarence E., assignor.)
Automatic Electric Inc. (See Nelson, Martin L., assignor.)
Automatic Electric Inc. (See Nelson, M. L., and Richardson, assignors.)
Automatic Electric Inc. (See Ray, A. J., and Lomax, assignors.)
Automatic Electric Inc. (See Remington, Charles, assignor.)
Automatic Electric Inc. (See Richardson, Rodney G., assignor.)
Automatic Electric Inc. (See Riebe, Theodore C., assignor.)
Automatic Electric Inc. (See Schwartz, Michael, assignor.)
Automatic Equipment Company. (See Dyson, Frank E., assignor.)
Automatic File & Index Co., The. (See Straubel, Frederick L. G., assignor.)
Automatic Fire Alarm Company. (See Deary, Edward J., assignor.)
Automatic Fire Extinguisher and Alarm Corporation. (See Pohl, Ernest F., assignor.)
Automatic Floor Waxing Machine Corporation. (See Isenman, G. A., and Johnson, assignors.)
Automatic Floor Waxing Machine Corporation. (See Johnson, Gustaf I., assignor.)
Automatic Food Machinery Corporation. (See Hall, Charles G., assignor.)
Automatic Freezer Corporation. (See Loranger, Hubert R. and U. R., assignors.)
Automatic Freezer Corporation. (See Loranger, H. R., assignor, and Parshall.)
Automatic Gas Steam Radiator Company. (See Blackmore, George W., assignor.)
Automatic Gold Chain Co. (See Augenstein, Karl C., assignor.)
Automatic Hamburger Machine Company. (See Bigton, N. L., and Garfunkel, assignors.)
Automatic Humidifier Company. (See Galloway, James W., assignor.)
Automatic Lighter Corporation. (See Girtanner, Alexander, assignor.)
Automatic Lighter Corporation. (See Kappenberg, August, assignor.)
Automatic Merchandising Corporation of America. (See Schermack, Joseph J., assignor.)
Automatic Motor Stop and Start, Inc. (See Good, John, assignor.)
Automatic Motor Stop and Start, Inc. (See Good, J., and Stevenson, assignors.)
Automatic Musical Instrument Company. (See Green, Clifford H., assignor.)
Automatic Musical Instrument Company. (See Yeider, Harry A., assignor.)
Automatic Nut-Thread Corporation. (See Safford, Lewis A., assignor.)
Automatic Paper Machinery Co. Inc. (See Marcalus, Nicholas, assignor.)
Automatic Primer Company. (See Bradford, Frederick H., assignor.)
Automatic Recording Safe Company, The. (See Fisher, Charles, assignor.)
Automatic Refrigerator Corporation. (See Butler, Jack K., assignor.)
Automatic Registering Machine Company. (See Gustavson, Alvin N., assignor.)
Automatic Registering Machine Company. (See Staring, William H., assignor.)
Automatic Safety Signal Gate Company. (See Meyer, H. M., and Schneidler, assignors.)
Automatic Safety Trip Corporation. (See Von Henke, Edmund J., assignor.)
Automatic Shu-Fit Company. (See Cobb, J. L., and Ogle, assignors.)
Automatic Sprinkler Company of America. (See Hamilton, John R., assignor.)
Automatic Sprinkler Company of America. (See Phillips, Alfred D., assignor.)
Automatic Telephone Manufacturing Company. (See Archer, Charles H., assignor.)
Automatic Telephone Manufacturing Company Limited. (See Roseby, Philip N., assignor.)
Automatic Transmission Company. (See Lyman, Kenneth E., assignor.)
Automatic Typewriter Co. (See Hill, P. E., and Matthiessen, assignors.)
Automatic Washer Company. (See Nelson, John, assignor.)
Automatic Washer Company. (See Schroeder, Simon E., assignor.)
Automatic Water Softener Company. (See Dotterweich, Andrew J., assignor.)
Automat Molding & Folding Company, The. (See Aldrich, J. P., and Morris, assignors.)
Automat Molding & Folding Company, The. (See Morris, Howard A., assignor.)
Auto-Meter Company. (See Huggins, Merion J., assignor.)
Auto-Meter Co. Inc. (See Bradshaw, William H., assignor.)
Automobile Patents, Inc. (See Wasley, Thomas J. J., assignor.)
Automobile Storage Elevator Company, The. (See Goddard, Charles F., assignor.)
Automobile Warning Signal Corporation. (See Del-Prete, Joseph, assignor.)
Automobilwerke H. Bussing, Aktiengesellschaft. (See Staniewicz, Willy, assignor.)
Automotive Development Corporation. (See Kingsley, Henry M., assignor.)
Automotive Distillate Corporation, The. (See Pratt, Clifton J., assignor.)
Automotive Engineering Company. (See Longley, Herbert J., assignor.)
Automotive Engineering Corporation. (See Marcum, Arthur I., assignor.)
Automotive Fan & Bearing Company. (See Hollerith, Charles, assignor.)
Automotive Maintenance Machinery Co. (See Zimmerman, Herman W., assignor.)
Automotive Patent Holding Company. (See Ahlm, Charles E. F., assignor.)
Automotive Syndicate, Ltd. (See White, D'Orsay M., assignor.)
Automotive Valves Corporation, The. (See Burtnett, Everett R., assignor.)
Auto-Ordnance Corporation. (See Payne, Oscar V., assignor.)
Autopoint Company. (See Deli, Frank C., assignor.)
Auto Radiator Manufacturing Company. (See Medville, Albert B., assignor.)
Auto Research Corporation. (See Bijur, Joseph, assignor.)
Auto Research Corporation. (See Caldwell, Stuart H., assignor.)
Auto Research Corporation. (See Moore, George L., assignor.)
Auto Sickle Company. (See Newton, Herbert B., and T. C., assignors.)
Auto Smock & Clamp Co. (See Berry, Charles F., jr., assignor.)
Auto Specialties Mfg. Co. (See Lucker, Millard B., assignor.)
Autostrop Patents Corporation. (See Schumacher, Conrad, assignor.)
Autostrop Safety Razor Co. (See Gaisman, H. J., and Schumacher, assignors.)
Autoyre Company, The. (See Dunn, James, assignor.)
Autoyre Company, The. (See Mosgrove, Charles A., assignor.)
Avakian, Arsham G. (See Dorrance, A. A., and Avakian.)
Avakian, John C., deceased, Los Angeles, Calif.; B. H. More, executrix. Conservator of wave energy. 1,790,219; Jan. 27.
Aven, Thomas W. (See Behle, J., Aven, and Linnartz.)
Averell, Sylvester G., assignor to John Chatillon & Sons, New York, N. Y. Spring scale. 1,791,110; Feb. 3.
Averell, Sylvester G., assignor to John Chatillon & Sons, New York, N. Y. Spring scale. 1,791,111; Feb. 3.
Averell, Sylvester G., assignor to John Chatillon & Sons, New York, N. Y. Spring scale. 1,803,832; May 5.
Averill, William H., Dorchester, Mass., assignor to Pike Manufacturing Company, Pike, N. H. Display stand. 1,805,352; May 12.
Aversa, Santo E., Baltimore, Md. Telephone recording and reproducing device. 1,794,354; Mar. 3.
Avery, Bruce W., Whiting, and S. K. Avery, Goodland, Ind. Artificial tooth. 1,822,837; Sept. 8.
Avery, Charles E., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Electric pull socket. 1,813,108; July 7.
Avery, Clarence W., Detroit, Mich., assignor to The Murray Corporation of America. Trapezoidal sliding window construction. 1,821,686; Sept. 1.
Avery, Henry A., Groton, assignor to L C Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,808,096; June 2.
Avery, Henry A., Groton, assignor to L C Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,808,739; June 2.

Avery, Henry A., Groton, assignor to L C Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,820,903; Sept. 1.
Avery, Henry A., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machine. 1,838,128; Dec. 29.
Avery, Henry C., New Brunswick, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Tapered roofing shingle. 1,802,494; Apr. 28.
Avery, Percy C., West Allis, Wis., assignor to R. S. Foose, Washington, D. C. Radiator foot rest. 1,799,611; Apr. 7.
Avery Power Machinery Co. (See Hill, James E., assignor.)
Avery, Samuel K. (See Avery, Bruce W., and S. K.)
Avery, W. & T., Limited. (See Taylor, John W., assignor.)
Avery, W. & T., Limited. (See Timson, William, assignor.)
Avignon, Edouard G., Vitry-sur-Seine, France. Sharpener for razor blades, such as the Gillette and other blades having two cutting edges. 1,823,926; Sept. 22.
Avis, Samuel W., Greenwich, Conn. Casting. 1,833,347; Nov. 24.
Avis, Samuel W., Greenwich, Conn., assignor to Russell, Burdsall & Ward Bolt & Nut Company, Port Chester, N. Y. Making nut blanks. 1,796,680; Mar. 17.
Avis, Samuel W., Greenwich, Conn. and M. H. Ames, Port Chester, N. Y., assignors to Russell, Burdsall & Ward Bolt & Nut Company, Port Chester, N. Y. Apparatus for making nuts. 1,796,681; Mar. 17.
Avon Sole Company. (See Drake, Raymond E., assignor.)
Awad, John E., Newark, N. J. Fur treating composition and making same. 1,817,120; Aug. 4.
Awalt, George A., Minneapolis, Minn. Storm sash holder. 1,820,111; Aug. 25.
Awbrey, Samuel C., assignor to Floor Accessories Company, Inc., Kansas City, Mo. Threshold plate or similar article. Des. 85,226; Sept. 29.
Awcock, George A. (See Ryley, C. F., and Awcock.)
Axe, Roy T., assignor to The O. M. Edwards Company Inc., Syracuse, N. Y. Sash holder and starter. 1,807,272; May 26.
Axe, Roy T., assignor to The O. M. Edwards Company Inc., Syracuse, N. Y. Window frame and sash construction. 1,822,838; Sept. 8.
Axe, Roy T., assignor to The O. M. Edwards Company Inc., Syracuse, N. Y. Glazing strip for window sashes. 1,823,020; Sept. 15.
Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Spring barrel construction. 1,835,258; Dec. 8.
Axell, Fred H., Oakland, Calif. Smoker's device. 1,812,850; July 7.
Axell, Sven P., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Heat-treating furnace. 1,795,819; Mar. 10.
Axelrod, Alexander, Zurich, Switzerland. Melting cheese. 1,820,900; Sept. 1.
Axford, Allan C., San Francisco, Calif. Cooking utensil. Des. 85,804; Dec. 22.
Axland, Andrew E., Vallejo, Calif. System of installing insulated pipe and armored insulation therefor. 1,788,939; Jan. 13.
Axline, Edward S., New York, N. Y., assignor to Associated Apparel Industries, Inc., Chicago, Ill. Elastic material. 1,812,279; June 30.
Axtell, Jay M., Fort Worth, Tex. Working head for windmills, pump jacks, and the like. 1,793,301; Feb. 17.
Axtell, Jay M., Fort Worth, Tex. Gas burner. 1,796,915; Mar. 17.
Aya, Max, London, England. Washing coffee beans. 1,796,856; Mar. 17.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Canning machine. 1,818,780; Aug. 11.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Canning machine. 1,828,167; Oct. 20.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can delivering mechanism. 1,828,168; Oct. 20.
Ayars Machine Company. (See Ayars, Charles H., assignor.)
Aycock, Willie E., Alexandria, La. Propulsion wheel. 1,829,920; Nov. 3.
Ayer Company, The. (See Harris, Thomas S., assignor.)
Ayer, Frank, and A. Crowfoot, Morenci, Ariz., assignors of fifty-five one-hundredths to Phelps Dodge Corporation. Concentrating ores. 1,820,172; Aug. 25.
Ayers, Augustine R., Cleveland, Ohio, assignor to The Okadee Company, Chicago, Ill. Locomotive cylinder cock. 1,831,404; Nov. 10.
Ayers, Kreigh B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Condenser. 1,813,871; July 7.
Ayersman, William F., Santa Barbara, Calif. Glare shield for automobiles. 1,791,699; Feb. 10.
Ayerst, Douglas B. (See Allen, H. I., and Ayerst.)
Aylor, Roy C., Brightwood, Va. Chicken transportation coop. 1,834,442; Dec. 1.
Ayres, Arthur U., assignor to The Sharples Specialty Company, Philadelphia, Pa. Lubricating system. 1,805,230; May 12.

Ayres, Eugene E., jr., Swarthmore, assignor to The B. A. S. Company, Philadelphia, Pa. Rubber process and product. 1,789,062; Jan. 13.
Ayres, Eugene E., jr., Swarthmore, Pa., assignor to The B. A. S. Company, Philadelphia, Pa. Chlorination. 1,831,474; Nov. 10.
Ayres, Eugene E., jr., Swarthmore, assignor to The B. A. S. Company, Philadelphia, Pa. Chlorination. 1,835,202; Dec. 8.
Ayres, Thomas J., Los Angeles, Calif. Stage cable connecter. 1,835,109; Dec. 8.
Azamber, John, Pittsburg, Kans. Sanitary cap for milk cans. 1,826,593; Oct. 6.
Azarraga, Luis, Hempstead, N. Y. Camera. 1,789,289; Jan. 20.
Azarraga, Luis, Hempstead, N. Y. Camera. 1,791,112; Feb. 3.
B. A. S. Company, The. (See Ayres, Eugene E., jr., assignor.)
B. B. Machine Corporation. (See Birdsall, Wilfred T., assignor.)
B. & B. Shoe Company. (See Golden, Louis J., assignor.)
B. G. Corporation, The. (See Hurley, Roy T., assignor.)
B. G. Corporation, The. (See Hurley, R. T., and Paulson, assignors.)
B. G. Corporation, The. (See Payne, Hugh F., assignor.)
B. O. T. Manufacturing Company. (See Tilden, Bert O., assignor.)
B R E Manufacturing Co. (See Leslie, Howard C., assignor.)
B. V. D. Company, The. (See Heyn, Robert E., assignor.)
Baader, Herman, Mountainville, assignor to Textile Patents Corporation, Allentown, Pa. Narrow fabric loom. 1,820,422; Aug. 25.
Baader, Herman, Mountainville, assignor to Textile Patents Corporation, Allentown, Pa. Batten construction for narrow fabric looms. 1,820,423; Aug. 25.
Baader, Herman, Mountainville, assignor to Textile Patents Corporation, Allentown, Pa. Loom. 1,820,424; Aug. 25.
Baader, Rudolph, Lubeck, Germany. Machine for splitting open, cleaning, and boning fish. 1,819,060; Aug. 18.
Baash, Lawrence F., Los Angeles, and W. H. Maxwell, Beverly Hills, Calif. Tongs. 1,801,257; Apr. 21.
Baash, Lawrence F., Los Angeles, and W. H. Maxwell, Beverly Hills, Calif. Tongs. 1,810,938; June 23.
Baash, Lawrence F., Los Angeles, and W. H. Maxwell, Beverly Hills, Calif. Tongs. 1,837,644; Dec. 22.
Baash, Lawrence F., Los Angeles, and W. H. Maxwell, Beverly Hills, Calif. Tongs. 1,837,645; Dec. 22.
Baash-Ross Tool Company. (See Black, Millard S., assignor.)
Baash-Ross Tool Company. (See Maxwell, William H., assignor.)
Baash-Ross Tool Company. (See Wickersham, Harry P., assignor.)
Babare, George, Tacoma, Wash. Sawing machine. 1,825,041; Sept. 29.
Babb, Charles H., Chicago, Ill. Ribbon-inking machine. 1,791,549; Feb. 10.
Babb, Edwin, Aultman, Ohio, assignor, by mesne assignments, to National Fireproofing Corporation, Pittsburgh, Pa. Conduit and connecting means therefor. 1,807,647; June 2.
Babbitt, Bethel J., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and material for sealing containers. 1,815,695; July 21.
Babbitt, Carrie, Brooklyn, N. Y. Combined sewing implement and pin holder. Des. 84,669; July 21.
Babbitt, Henry K., Wilmington, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Blasting cap. 1,821,608; Sept. 1.
Babbitt, James B., Yonkers N. Y., and C. B. Harris, Weehawken, assignors, by mesne assignments, to Walker-Gordon Laboratory Company, Inc., Plainsboro, N. J. Bottle-capping machine. 1,789,856; Jan. 20.
Babbitt, James B., Yonkers, N. Y., and C. B. Harris, Union City, assignors, by mesne assignments, to Walker-Gordon Laboratory Company Inc., Plainsboro, N. J. Bottle-capping machine. 1,789,857; Jan. 20.
Babcock-Davis Corporation. (See Davis, William A., assignor.)
Babcock, Denison, assignor to N. J. Leigh, New York, N. Y. Display device. 1,834,929; Dec. 8.
Babcock, Garrison, Seattle, assignor to American Telechronometer Company, Everett, Wash. Telephone receiver. 1,790,528; Jan. 27.
Babcock, Garrison, assignor to American Telechronometer Company, Seattle, Wash. Telephone system. 1,808,280; June 2.
Babcock, Garrison, assignor to American Telechronometer Company, Seattle, Wash. Telechronometer. 1,821,086; Sept. 1.
Babcock, Isaac A., and A. W. Reynolds, assignors to The Babcock Manufacturing Company, Leonardville, N. Y. Harrow. 1,812,461; June 30.
Babcock, Leon W. (See Nash H. E., and Babcock.)
Babcock Manufacturing Company, The. (See Babcock, I. A., and Reynolds, assignors.)
Babcock Manufacturing Company. (See Reynolds, Arthur W., assignor.)
Babcock, Perez R. (See Pelton, John C., assignor.)

Babcock, Wade H., Cleveland, Ohio. Sign. 1,822,265; Sept. 8.
Babcock & Wilcox Company, The. (See Albert, Paul L. G., assignor.)
Babcock & Wilcox Company, The. (See Baker, H. H., and Davy, assignors.)
Babcock & Wilcox Company, The. (See Bancel, Paul A., assignor.)
Babcock & Wilcox Company, The. (See Boerstra, Jacobus, assignor.)
Babcock & Wilcox Company, The. (See Davy, Christopher H., assignor.)
Babcock & Wilcox Company, The. (See Davy, Christopher S., assignor.)
Babcock & Wilcox Company, The. (See Hall-Brown, A., and Jones, assignor.)
Babcock & Wilcox Company, The. (See Haniman, Charles J., assignor.)
Babcock & Wilcox Company, The. (See Harter, Isaac, assignor.)
Babcock & Wilcox Company, The. (See Harter, I., Kohler, and Norton, assignors.)
Babcock & Wilcox Company, The. (See Hopping, Ernest L., assignor.)
Babcock & Wilcox Company, The. (See Hubbard, Norman assignor.)
Babcock & Wilcox Company, The. (See Jacobus, David S. assignor.)
Babcock & Wilcox Company, The. (See Jacobus, D. S., and Kerr, assignors.)
Babcock & Wilcox Company, The. (See Jones, Edwin W., assignor.)
Babcock & Wilcox Company, The. (See Jones, William A., assignor.)
Babcock & Wilcox Company, The. (See Kemnal, James, assignor.)
Babcock & Wilcox Company, The. (See Kerr, Howard J., assignor.)
Babcock & Wilcox Company, The. (See Kerr, H. J., and Fletcher, assignors.)
Babcock & Wilcox Company, The. (See Kerr, H. J., and Savoye, assignors.)
Babcock & Wilcox Company, The. (See Kölling, Johann, assignor.)
Babcock & Wilcox Company, The. (See Langvand, Ivar L., assignor.)
Babcock & Wilcox Company, The. (See Lucke, Charles E., assignor.)
Babcock & Wilcox Company, The. (See MacKay, Henry J. S., assignor.)
Babcock & Wilcox Company, The. (See Miller, B. H., and Given, assignors.)
Babcock & Wilcox Company, The. (See Pratt, Arthur D., assignor.)
Babcock & Wilcox Company, The. (See Prentice, John, assignor.)
Babcock & Wilcox Company, The. (See Roger, John P., assignor.)
Babcock & Wilcox Company, The. (See Sadler, Cornelius R., assignor.)
Babcock & Wilcox Company, The. (See Sadler, C. R., and Kerr, assignors.)
Babcock & Wilcox Company, The. (See Savoye, Charles U., assignor.)
Babcock & Wilcox Company, The. (See Savoye, C. U., and Kerr, assignors.)
Babcock & Wilcox Company, The. (See Smith, Herman B., assignor.)
Babcock & Wilcox Company, The. (See Spyer, Arthur, assignor.)
Babcock & Wilcox Company, The. (See Stillman Thomas B., assignor.)
Babcock & Wilcox Company, The. (See Trainer, James E., assignor.)
Babcock & Wilcox Company, The. (See Trainer, J. E., and Langvand, assignors.)
Babcock & Wilcox Company. (See Turkus, George, assignor.)
Babcock & Wilcox Company, The (See Webster, Hosea, assignor.)
Babcock & Wilcox Company, The. (See Whittam, Benjamin B., assignor.)
Babcock & Wilcox Tube Company, The. (See Piersol, Paul B., assignor.)
Babel, Elmer H. (See Brodersen, M. M., Babel, and Rogers.)
Baber, Emil, Los Angeles, Calif. Lubricator. 1,792,564; Feb. 17.
Baber, James E., Galesburg, Ill. Test switch. 1,822,866; Sept. 8.
Babiarz, Joseph. (See Babiarz, Maciej, and J.)
Babiarz, Maciej and J., Spotswood, N. J. Window construction. 1,810,117; June 16.
Babin, Jules, and A. Pays, Paris, France; said Pays assignor to said Babin. Metal sawing machine with arcuate cut. 1,810,746; June 16.
Babitch, Abraham M., assignor to A C Spark Plug Company, Flint, Mich. Oil purifier and dilution remover. 1,806,553; May 19.
Babor, James, Bristol, Wis. Cigarette holder. 1,834,569; Dec. 1.
Babson, Henry B., assignor to Babson Manufacturing Corporation, Chicago, Ill. Cow stanchion. 1,835,923; Dec. 8.
Babson Manufacturing Corporation. (See Babson, Henry B., assignor.)
Babson Manufacturing Corporation. (See Thomas, Chester A., assignor.)
Babson, Roger W., Wellesley, Mass. Automatic control for self propelled vehicles. 1,826,492; Oct. 6.
Babst, Joseph C., and J. H. Fisch, Barnesville, and Joseph Buaer, St. Paul, Minn. Ice sawing machine. 1,820,340; Aug. 25.
Baby Grands, Inc. (See Goldstein, Emanuel, assignor.)
Baccellieri Bros. Mfg. Company. (See Baccellieri, R., and De Rentiis, assignors.)
Baccellieri, Raffaele, Philadelphia, and A. De Rentiis, Collingdale, assignors to Baccellieri Bros. Mfg. Company, Philadelphia, Pa. Ratchet mechanism. 1,797,675; Mar. 24.
Bach, Anton M., Palo Alto, Calif. Front wheel position indicator. 1,812,674; June 30.
Bach, Charles G., assignor to The Vilter Manufacturing Company, Milwaukee, Wis. Refrigerating system. 1,824,527; Sept. 22.
Bach, Charles T., Philadelphia, Pa. Cutting bond coupons and the like. 1,830,688; Nov. 3.
Bach, Harold, Oak Park, Ill. Coupling device. 1,820,644; Aug. 25.
Bache, Louis H., Rochester, assignor to The National Supply Company of Delaware, New York, N. Y. Mechanism for use in combination drilling rigs. Re17,981; Feb. 24.
Bache, Richard L., Woodhaven, N. Y. Lock. 1,797,937; Mar. 24.
Bacheldor, William. (See Gainer, F. J., Payne, and Bacheldor.)
Bacheldor, William H., Wood River, Ill., assignor to Standard Oil Company, Whiting, Ind. Filter opening means. 1,813,601; July 7.
Bacheldor, William H., and W. E. Wood, Wood River, Ill., assignors to Standard Oil Company, Whiting, Ind. Filter cloth. 1,811,573; June 23.
Bacheller, Raymond G., assignor to Hartford-Empire Company, Hartford, Conn. Glass handling apparatus. 1,828,213; Oct. 20.
Bacher, Charles H. (See Wiziarde, V. H., and Bacher.)
Bacher, Will L., assignor to White Cloud Farms, Inc., Rock Tavern, N. Y. Drinking cup. Des. 85,901; Dec. 29.
Bachle, Andrew, Detroit, Mich. Heat-control apparatus for intake gases of internal-combustion engines. 1,800,426; Apr. 14.
Bachle, Andrew, Detroit, Mich. Cam shaft drive mechanism. 1,832,958; Nov. 24.
Bachleda, Harriet A., Cameron, Wis. Window sash retainer. 1,837,646; Dec. 22.
Bachler, Frederick R., Oxnard, Calif. Making leguminous flakes. 1,813,268; July 7.
Bachmann, Alwin B., Brooklyn, N. Y., assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine. Re17,959; Feb. 10.
Bachrach, Albert, Decatur, Ill. Furniture. 1,837,515; Dec. 22.
Bacino, Mario, Turin, Italy. Coin-operated photographic apparatus. 1,825,709; Oct. 6.
Back, Franz G. (See Heilpern, J., and Back.)
Back, Franz G., Stamford, Conn., assignor, by mesne assignments, to The Photor Corporation, New York, N. Y. Apparatus for taking photographs of cavities of the body. 1,828,141; Oct. 20.
Back, Goldie, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Making turbine blades. 1,829,179; Oct. 27.
Back, Oliver L. (See Schultz, Charles R., assignor.)
Bäckdahl, Gustaf, Djursholm, Sweden. Tire-building machine. 1,789,858; Jan. 20.
Backes, Clifford B., assignor to M. Backes' Sons Incorporated, Wallingford, Conn. Pistol cap. 1,828,214; Oct. 20.
Backes' M., Sons, Incorporated. (See Backes, Clifford B., assignor.)
Backhouse, Walter S. A., Hill Top, Wilmslow, England. Internal steam separator. 1,797,564; Mar. 24.
Backmyer, Christopher F., assignor to Magill-Weinsheimer Company, Chicago, Ill. Double envelope. 1,816,815. Aug. 4.
Bäckström, Sigurd M., assignor to Platen-Munters Refrigerating System Aktiebolag, Stockholm, Sweden. Freezing thermostat. 1,830,632; Nov. 3.
Backus, A., jr., & Sons. (See Henze, Joseph J., assignor.)
Backus, A. jr. & Sons. (See Moure, Ramiro, assignor.)
Backus, Clarence E., and D. G. Williamson, Parkersburg, W. Va. Well pump apparatus. 1,804,077; May 5.
Backus, John C., Smethport, Pa. Umbrella lock. 1,806,660; May 26.
Backus, John C., deceased; Hamlin Bank & Trust Company and F. Biever, Smethport, Pa., executors. Pin setting apparatus. 1,833,813; Nov. 24.
Backus, John C., deceased; Hamlin Bank & Trust Company and F. Biever, Smethport, Pa., executors. Pin clamp for pin setting apparatus. 1,833,814; Nov. 24.
Bacon, Alfred T., Stevens Point, Wis. Locomotive valve gear. 1,823,639; Sept. 15.
Bacon, Arthur J., Philadelphia, Pa., assignor of one-half to M. H. Clyman, Camden, N. J. Reseating leak proof faucet and valve. 1,805,158; May 12.

Bacon, Elbridge F., assignor to A C Spark Plug Company, Flint, Mich. Electrical indicating instrument. 1,791,786; Feb. 10.
Bacon, Frederick J., and D. L. Day, Groton, Conn. Banjo mute. 1,800,588; Apr. 14.
Bacon, George M., assignor to Divco-Detroit Corporation, Detroit, Mich. Steering mechanism for motor vehicles. Re17,938; Jan. 27.
Bacon, George M., assignor to Divco-Detroit Corporation, Detroit, Mich. Motor driven delivery vehicle. 1,831,405; Nov. 10.
Bacon, Harry S. C., assignor to Ketterlinus Lithographic Mfg. Co., Philadelphia, Pa. Educational device. 1,820,209; Aug. 25.
Bacon, John J., Gasport, N. Y. Machine for manufacturing receptacles. 1,828,636; Oct. 20.
Bacon, Leone G., Kent, Ohio. Signal. 1,815,662; July 21.
Bacon, Raymond F., Bronxville, N. Y. Production of elemental sulphur from hydrogen sulphide and sulphur dioxide. 1,807,583; June 2.
Bacon, Roy W., Adams, Neb. Atomizer. 1,788,269; Jan. 6.
Badanes, Barnard B., Woodside, N. Y. Dentifrice. 1,817,664; Aug. 4.
Baddiley, James, A. Shepherdson, and A. J. Hailwood, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of valuable products from lignin sulphonic acid (sulphite cellulose waste). 1,812,675; June 30.
Baddiley, James, and E. Chapman, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Wetting-out agent or emulsifier. 1,836,428; Dec. 15.
Baddiley, James, and E. Chapman, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Manufacture of water soluble sulphonic acids of mineral oils. 1,836,429; Dec. 15.
Baddiley, James, and E. Chapman, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Detergent, cleansing and polishing composition. 1,836,430; Dec. 15.
Baddiley, James, and E. Chapman, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Wetting-out agents or emulsifiers. 1,836,431; Dec. 15.
Badeker, John, Chicago, Ill. Metallic rod packing. 1,803,990; May 5.
Baden, Martin W., Winfield, Kans. Preventing corrosion in pipes. 1,804,078; May 5.
Baden, William, Chicago, Ill. Water heater. 1,820,425; Aug. 25.
Badenhop, Hermann C., Wauseon, Ohio. Top for chicken feeders. 1,830,689; Nov. 3.
Badenoch, David S., Leicester, England. Connecting channel members and other members of curved sections. 1,794,053; Feb. 24.
Bader, Fred W., Hillsdale, N. J., assignor to J. Kridel, Sons & Co. Textile fabric or similar article. Des. 83,657; Mar. 17.
Bader, Fred W., Hillsdale, N. J., assignor to J. Kridel, Sons & Co. Textile fabric. Des. 85,146; Sept. 22.
Bader, Julien, New York, N. Y. Potato-chipper. 1,809,824; June 16.
Bader, Theodor, Waldshut, Germany. Heating means for casting pots. 1,808,718; June 2.
Bader, Walter, and S. J. Green, Spondon, near Derby, England, assignors to Celanese Corporation of America Manufacture of zinc-oxide catalysts. 1,793,350; Feb. 17
Badger, Arthur C., Newton, Mass. Machine for welding hollow bodies under abnormal pressure. 1,790,787; Feb. 3.
Badger, Arthur C., Newton, Mass. Guided expansion joint. 1,824,422; Sept. 22.
Badger, Charles. Columbus, Ohio, assignor, by mesne assignments, to Lynch Glass Machine Company, Anderson, Ind. Glass machine. 1,792,267; Feb. 10.
Badger, E. B., & Sons Company. (See Dickson, John V. E., assignor.)
Badger, E. B., & Sons Company. (See Greene, Charles E., assignor.)
Badger, E. B., & Sons Company. (See Lawrence, Almon R., assignor.)
Badger, E. B., & Sons Company. (See Lord, Lyman L., assignor.)
Badger, E. B., & Sons Company. (See Lunt, George P., assignor.)
Badger, E. B., & Sons Company. (See Peters, William A., jr., assignor.)
Badger Meter Manufacturing Company. (See Abrams, Norman H., assignor.)
Badger, Walter L., Ann Arbor, assignor to Swenson Evaporator Company, Harvey, Ill. Polymerization of drying oils. 1,811,290; June 23.
Badgley, Gerald J., Brooklyn, N. Y., assignor to Duplex Motion Picture Industries, Inc. Motion picture projector. 1,809,327; June 9.
Badgley, Jarvis E., Cranford, N. J. Attachment for wheels. 1,798,716; Mar. 31.
Badische, Maschinenfabrik & Eisengiesserei vormals G. Sebold und Sebold & Neff. (See Henninger, Ludwig, assignor.)
Badische Maschinenfabrik & Eisengiesserei vormals G. Sebold und Sebold & Neff. (See Nagel, O., and Kaempfer, assignors.)
Baeck, Eugene C., Lake Ronkonkoma, N. Y. Printing machine. 1,814,886; July 14.
Baehr, Albert, Chicago, Ill. Truss for the reduction or alleviation of hernia. 1,803,457; May 5.
Baehr, Eugene B. (See Schoder, Albert, assignor.)
Baehr, Justus W., Minneapolis, Minn. Artificial hand. 1,819,317; Aug. 18.
Baensch, Walter, assignor to Schering-Kahlbaum A.-G., Berlin, Germany. Agitating device. 1,806,381; May 19.
Baer, Carl J., and C. F. Jeffries, St. Louis, Mo. Boat. 1,797,600; Mar. 24.
Baer, Charles E., Emporium, Pa. Sign. 1,820,008; Aug. 25.
Baer, Jean, Basel, Switzerland. Manufacture of factice and the like. 1,828,587; Oct. 20.
Baer, Lawrence E., assignor to The Baer & Wilde Company, Attleboro, Mass. Clasp for neckties. 1,818,292; Aug. 11.
Baer, Samuel S., Atlantic City, N. J. Adjustable arch support. 1,809,010; June 9.
Baer, Walter K., Lancaster, Pa. Speculum. 1,796,072; Mar. 10.
Baer, Walter O. (See Schmidt, E. X., and Baer.)
Baer & Wilde Company, The. (See Baer, Lawrence E., assignor.)
Bafaro, Vincenzo, New York, N. Y. Amusement device. 1,792,407; Feb. 10.
"Baga", G. m. b. H. (See Baumgarden, Paul, assignor.)
Bagasse Products Corporation. (See de la Roza, Joaquin J., sr., assignor.)
Bagby, Earle, Kahoka, Mo. Compensating joint. 1,808,624; June 2.
Bagby, Ralph B., Chicago, Ill. Heater for preheating milk. 1,797,312; Mar. 24.
Bagel, Jozef, Chicago, Ill. Propeller. 1,838,471; Dec. 29.
Bager, William M., and W. Lehman, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Excavating machinery. 1,817,905; Aug. 11.
Baget, Léon, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges, et Camarque, Paris, France. Device for standardizing shunts. 1,821,785; Sept. 1.
Bagge, Ernest, et al. (See Bagge, Walter, assignor.)
Bagge, Walter, assignor of one-third to E. Bagge, and one-third to A. B. Imhoff, Los Angeles, Calif. Wheel gauge. 1,804,490; May 12.
Bagk, Frederick C. (See Wiken, Olof, assignor.)
Bagley and Sewall Company, The. (See Gallagher, John M., assignor.)
Bagley and Sewall Company, The. (See Valentine, Charles W., assignor.)
Bagley & Sewall Company, The. (See Valentine, C. W., and Helin, assignors.)
Bagley and Sewall Company, The. (See Valentine, C. W., and Ottersland, assignors.)
Bagsar, Aaron B. (See Shoffstall, A. S., Mudge, Bagsar, and Bieber.)
Bagshaw, Charles M., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Boot and shoe sole. 1,799,274; Apr. 7.
Bagshaw, Charles M., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Producing soles of or for boots and shoes. 1,806,661; May 26.
Baguley, Noel G. (See Shedden, F., Delph, and Baguley.)
Bahan, William H., Greenville, S. C. Beam supporting means for textile machinery. 1,814,780; July 14.
Bahan, William H., Greenville, S. C. Loom temple. 1,817,336; Aug. 4.
Bahl, Johannes, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Rudder control for ships. 1,835,453; Dec. 8.
Bahlke, William H., assignor to Standard Oil Company, Whiting, Ind. Distilling hydrocarbon oils and apparatus therefor. 1,822,607; Sept. 8.
Bahner, Clement, Wilmington, and C. H. Grady, Springfield, assignors to The Auto Compressor Company, Wilmington, Ohio. Positive unloading device. 1,829,330; Oct. 27.
Bahner, Ernest T., assignor to Rollodor Manufacturing Company, Los Angeles, Calif. Ash tray. Des. 84,915; Aug. 25.
Bahner, Ernest T., assignor to Rollodor Manufacturing Company, Los Angeles, Calif. Ash tray. Des. 84,916; Aug. 25.
Bahner, Ernest T., assignor to Rollodor Manufacturing Company, Los Angeles, Calif. Ash tray. Des. 84,917; Aug. 25.
Bahner, Ernest T., assignor to Rollodor Manufacturing Company, Los Angeles, Calif. Ash tray. Des. 84,918; Aug. 25.
Bahner, Ernest T., assignor to Rollodor Manufacturing Company, Los Angeles, Calif. Ash tray. Des. 84,919; Aug. 25.
Bahner, Ernest T., assignor to Rollodor Manufacturing Company, Los Angeles, Calif. Ash tray. Des. 85,148; Sept. 22.
Bahnson Company, The. (See Bahnson, Frederic F., assignor.)
Bahnson, Frederic F., assignor to The Bahnson Company, Winston-Salem, N. C. Air conditioning apparatus. 1,804,079; May 5.

Bahr, August T. J., Kansas City, Mo., assignor, by mesne assignments, to Bahr Starting Gate Corporation, Chicago, Ill. Starting machine. 1,795,820; Mar. 10.
Bahr, August T. J., Kansas City, Mo., assignor to Bahr Starting Gate Corporation, Chicago, Ill. Starting machine. 1,815,757; July 21.
Bahr Starting Gate Corporation. (See Bahr, August T. J., assignor.)
Bahr, William E., Indianhead, Md. Ship raising apparatus. 1,816,759; July 28.
Bahrman, S. Leonard, Cadillac, Mich. Engine head stand. 1,826,493; Oct. 6.
Baier, Walter G., et al. (See Bausinger, H. C., jr., and Barnes, assignors.)
Bailer, Leonard J., Chicago, Ill. Stocking protector. 1,796,822; Mar. 17.
Bailey, Alfred B., Verdun, Quebec, Canada. Direction indicator. 1,806,276; May 19.
Bailey, Benjamin F., Ann Arbor, Mich., assignor to Regents of the University of Michigan. Induction motor. 1,837,394; Dec. 22.
Bailey, Charles E., assignor to T. B. Wood's Sons Company, Chambersburg, Pa. Belt gearing. 1,790,786; Feb. 3.
Bailey, Charles F., assignor to W. H. Sommer, Peoria, Ill. Wire fastener. 1,789,290; Jan. 20.
Bailey, Chas. M., Co. (See Thing, Frederick A., assignor.)
Bailey, Clarence J. (See Schuh, L. B., and Bailey.)
Bailey, Claude B., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Gasket. 1,812,578; June 30.
Bailey, Claude B., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Gasket. 1,815,893; July 28.
Bailey, Claude B., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Gasket. 1,824,386; Sept. 22.
Bailey, Daveletta D. (See Schuh, L. B., and Bailey, assignors.)
Bailey, Edgar L. (See Potter, F. J., and Bailey.)
Bailey, Ervin G., Easton, and R. M. Hardgrove, Bethlehem, assignors to Fuller Lehigh Company, Fullerton, Pa. Holding furnace wall blocks against tubes. 1,802,748; Apr. 28.
Bailey, Ervin G., Easton, and R. M. Hardgrove, Bethlehem, assignors to Fuller Lehigh Company, Fullerton, Pa. Retaining means for furnace wall blocks contacting with wall tubes. 1,823,870; Sept. 22.
Bailey, Erwin G., Easton, and R. M. Hardgrove, Bethlehem, assignors to Fuller Lehigh Company, Fullerton, Pa. Device for retaining furnace wall blocks against tubes. 1,823,927; Sept. 22.
Bailey, George B., Sharon, Mass. Automatic drier control. 1,795,418; Mar. 10.
Bailey, George C., Elizabeth, N. J., assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Manufacture of organic disulphides. 1,796,977; Mar. 17.
Bailey, Gerwin P., Salt Lake City, Utah. Sanding machine. 1,189,012; Aug. 18.
Bailey, Harold. (See Cowlishaw, Roy G., assignor.)
Bailey, Harris Z., Elberton, Ga. Radio apparatus. 1,801,217; Apr. 14.
Bailey, Henry H., assignor to Mechanical Royalties Corporation, Oklahoma City, Okla. Hose clamp. 1,801,261; Apr. 21.
Bailey, Henry H., and J. L. Thomas, assignors to Mechanical Royalties Corporation, Oklahoma City, Okla. Hose clamp. 1,817,473; Aug. 4.
Bailey, Henry H., and J. L. Thomas, assignors to Mechanical Royalties Corporation, Oklahoma City, Okla. Adjustable gate for conduits. 1,824,189; Sept. 22.
Bailey, Howard S., and R. A. Bennett, Denver, Colo., said Bailey assignor to said Bennett. Ore-roasting muffled-retort furnace. 1,792,476; Feb. 17.
Bailey, Imon F., Long Beach, Calif. Adjustable fourble board and spring-tension finger for drill derricks. 1,797,492; Mar. 24.
Bailey, James, assignor to Corning Glass Works, Corning, N. Y. Method of and apparatus for treating glass articles. 1,793,893; Feb. 24.
Bailey, James, and J. L. Miller, assignors to Corning Glass Works, Corning, N. Y. Chuck. 1,829,180; Oct. 27.
Bailey, James A., Washington, D. C., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,807,887; June 2.
Bailey, James A., Washington, D. C., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,807,888; June 2.
Bailey, James A., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,807,957; June 2.
Bailey, James A., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,807,958; June 2.
Bailey, James A., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,808,515; June 2.
Bailey, James G., Delevan, assignor to A-C Manufacturing Co., Pontiac, Ill. Cultivator. 1,837,143; Dec. 15.
Bailey, James H., Wink, Tex. Choke valve for oil and gas wells. 1,799,143; Apr. 7.
Bailey, James N., Chorlton-cum-Hardy, England, assignor to Metropolitan-Vickers Electrical Company Limited Apparatus for the heat treatment of pulverulent materials. 1,829,495; Oct. 27.
Bailey, Jamison B., Van Alstyne, Tex. Machine for pulling and grinding stalks. 1,821,131; Sept. 1.
Bailey, Lamar, Portsmouth, Ohio. Display card holder. 1,823,778; Sept. 15.
Bailey, Martin C., Treece, Kans. Stuffing box and gland. 1,817,867; Aug. 4.
Bailey Meter Company. (See Barnes, Frederick A., assignor.)
Bailey Meter Company. (See Barrett, Joseph M., assignor.)
Bailey Meter Company. (See Hardgrove, Ralph M., assignor.)
Bailey Meter Company. (See Woolley, Rew E., assignor.)
Bailey, Oscar F., Calumet, Mich. Package. 1,791,340; Feb. 3.
Bailey, Otterbein A., Chicago, Ill., assignor to Chicago Bridge and Iron Company. Floating roof. 1,819,401; Aug. 18.
Bailey, Otterbein A., Chicago, Ill., assignor to Chicago Bridge and Iron Company. Tank heater. 1,819,402; Aug. 18.
Bailey, R. and S., Glen Ridge, N. J., S. F. Nelson, Brooklyn, N. Y., and F. F. Shipley, Englewood, N. J., assignors to American Telephone and Telegraph Company. Telephone system. 1,793,582; Feb. 24.
Bailey, Richard W., Altrincham, England, assignor, by mesne assignments, to Associated Electrical Industries, Ltd., of England. Internal combustion engine. 1,814,781; July 14.
Bailey, Richard W., Altrincham, England, assignor, by mesne assignments, to Associated Electrical Industries, Ltd., of England. Elastic fluid turbine. 1,820,725; Aug. 25.
Bailey, Richard W., Altrincham, England, assignor, by mesne assignments, to Associated Electrical Industries, Ltd., of England. Internal combustion engine. 1,824,528; Sept. 22.
Bailey, Robert T., Portland, Oreg. Cable monkey. 1,830,184; Nov. 3.
Bailey, Roy W. (See Dellaree, Frank H., assignor.)
Bailey, Thaddeus F., Alliance, Ohio. Making phosphoric acid and cyanamide. Re18,198; Sept. 22.
Bailey, Thomas L., Melrose, Mass. Beater and aerator. 1,817,665; Aug. 4.
Bailey, Walter C., Norwalk, Calif. Device for washing piston-packers and liners. 1,818,187; Aug. 11.
Bailey, Walter T. (See Federwitz, T. A., and Bailey.)
Bailey, William C., Coulsdon, assignor of one-half to J. Keefe, Eastney, England. Apparatus for reproducing sound from sound records. 1,799,838; Apr. 7.
Bailey, William M. (See Proctor, J. A., and Bailey.)
Bailey, William M., Lynn, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser. 1,824,529; Sept. 22.
Bailey, William M., Lynn, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser. 1,824,530; Sept. 22.
Bailey, William M., Lynn, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser. 1,824,586; Sept. 22.
Bailey, William M., Lynn, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser. 1,824,587; Sept. 22.
Bailey, William M., Lynn, Mass., assignor, by mesne assignments, to General Electric Company. Embedding electrical condensers. 1,837,142; Dec. 15.
Baily, Thaddeus F., Alliance, Ohio. Continuous annealing apparatus. 1,808,152; June 2.
Baily, Thaddeus, F., Alliance, Ohio. Metallic resistor element. 1,809,227; June 9.
Baily, Thaddeus F., Alliance, Ohio. Recovering metals and oxides from boiler ash. 1,815,888; July 28.
Baily, Thaddeus F., Alliance, and L. G. Pritz, Canton, Ohio; said Pritz assignor to said Baily. Making synthetic pig iron. 1,821,783; Sept. 1.
Baimbridge, Alphaeus C., Los Angeles, Calif. Drive jar for wells. 1,831,942; Nov. 17.
Bain, Alexander C., Hudson, assignor to Firestone Footwear Company, Boston, Mass. Rubber heel. Des. 84,803; Aug. 11.
Bain, Clarence J. (See Olsen, F., and Bain.)
Bain, Herbert S. (See Brenner, Cameron C., assignor.)
Bain, Hugh. (See Beytes, L. H., and Bain.)
Bain, Walter M., Camas, Wash. Coloring paraffin wax and the like. 1,816,140; July 28.
Bainbridge, George K., Ripon, Calif. Plastic molding machine. 1,803,991; May 5.
Bainbridge, George K., Ripon, Calif. Plastic measuring and cutting machine. 1,824,110; Sept. 22.
Bainbridge, George K., Ripon, Calif. Plastic rolling machine. 1,824,759; Sept. 29.
Baines, Joseph E., and J. P. Bosle, Pittsburgh, Pa., assignor to National Tube Company. Chuck. 1,837,095; Dec. 15.
Baines, J. H. (See MacDonald, Maynard F., assignor.)
Bair, Freeman & Sinclair. (See Alldredge, Francis B., assignor.)
Bair, Jacob D., Montgomery, Pa. Chair. 1,829,434; Oct. 27.
Baird, Andrew. (See Knight, M. A., and Baird.)

Baird, Cassius M. C., Evanston, Ill. Hose coupling. Des. 83,420; Feb. 24.
Baird, Dudley. (See Fowler, E. J., and Baird.)
Baird, Hollis S., assignor to Shortwave & Television Corporation, Boston, Mass. Short wave reception. 1,816,461; July 28.
Baird, Hollis S., assignor to Shortwave & Television Corporation, Boston, Mass. Signal amplifying system and method. 1,816,462; July 28.
Baird, John L., assignor to Television Limited, London, England. Apparatus for producing a varying light or illumination. 1,800,044; Apr. 7.
Baird, John L., assignor to Television Limited, London, England. Glow discharge lamp. 1,800,926; Apr. 14.
Baird, John L., assignor to Television Limited, London, England. Television and like apparatus. 1,807,464; May 26.
Baird, John L., assignor to Television Limited, London, England. Television and like apparatus. 1,807,465; May 26.
Baird, John L., London, assignor to Television Limited, London, W. C. 2, England. Driving television or other apparatus at a predetermined speed. 1,816,106; July 28.
Baird Machine Company, The. (See Lewis, Arthur J., assignor.)
Baird, Warren. (See MacKenzie, George F., assignor.)
Baisch, Clarence D., St. Louis, Mo. Electric motor. 1,793,834; Feb. 24.
Bait, L. S., Company, The. (See Schwarz, Louis H., assignor.)
Baits, Stuart G. (See Fekete, S. I., and Baits.)
Baits, Stuart G., Grosse Pointe Park, and R. H. Whisler, Halfway, assignors to Hudson Motor Car Company, Detroit, Mich. Internal combustion engine. 1,802,495; Apr. 28.
Baits, Stuart G., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Steering column support. 1,818,031; Aug. 11.
Baits, Stuart G., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Brake drum shield. 1,832,274; Nov. 17.
Baits, Stuart G., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Steering means for motor vehicles. 1,837,516; Dec. 22.
Bakelite Corporation. (See Byck, L. C., and Peakes, assignors.)
Bakelite Corporation. (See Redman, L. V., Weith, and Brock, assignors.)
Bakelite Corporation. (See Schmidt, John H., assignor.)
Bakelite Gesellschaft mit beschraenkter Haftung. (See Seebach, Fritz, assignor.)
Baker, Arthur J., assignor to The Willys-Overland Company, Toledo, Ohio. Timing gear. 1,815,894; July 28.
Baker, Arthur J., and E. E. Huntington, assignors to The Willys-Overland Company, Toledo, Ohio. Electric switch for automobiles. 1,809,100; June 9.
Baker, Arthur R. and W. N., Chicago, Ill. Photographic line print and making the same. 1,789,615; Jan. 20.
Baker, Benjamin P., Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Arc extinguishing means. 1,825,298; Sept. 29.
Baker, Bert F. (See Knox, H. A., and Baker.)
Baker, Bert F., Davenport, Iowa. Mount for guns. 1,800,276; Apr. 14.
Baker, Bertie F., Davenport, Iowa. Packing for rotatable members. 1,795,069; Mar. 3.
Baker Brothers, Inc. (See Hallenbeck, George E., assignor.)
Baker, Brydon B., et al. (See Wilder, E. B. and W., and Baker.)
Baker Casing Shoe Company. (See Baker, Reuben C., assignor.)
Baker, Charles G., Timaru, New Zealand. Swivel connection for electric cables and the like. 1,821,132; Sept. 1.
Baker, Charles G., Timaru, New Zealand. Swivel connection for electric cables. 1,837,890; Dec. 22.
Baker, Charles R., Philadelphia, Pa. Heating system. 1,798,923; Mar. 31.
Baker, Charles R., Evanston, Ill. Burner. 1,815,039; July 21.
Baker, Charles R., Wood River, Ill., assignor to Standard Oil Company, Whiting, Ind. Filtering. 1,825,330; Sept. 29.
Baker, Charles S., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor valve lifter. 1,800,242; Apr. 14.
Baker, Charles S., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Clearance valve assembly. 1,827.725; Oct. 20.
Baker & Company. (See Maulen, Frederick, assignor.)
Baker & Company. (See Montuori, Felix C., assignor.)
Baker & Co. (See Taylor, George F., assignor.)
Baker & Company, Inc. (See Krivig, Stephen J., assignor.)
Baker & Company, Inc. (See Klausmann, H., and Kiepe, assignors.)
Baker & Co. Inc. (See Montuori, Felix C., assignor.)
Baker & Co. Inc. (See Raymond, Louis, assignor.)
Baker & Co. Inc. (See Russell, Harry J., assignor.)
Baker, David B. (See Johnston, E. A., and Baker.)
Baker, David B. (See Johnston, E. A., Baker, and Ake.)
Baker, David B., C. F. Crumb, and H. A. Watchek, Chicago, Ill., assignors to International Harvester Company. Clutch. 1,832,959; Nov. 24.
Baker, David S. (See Vickers, John H., assignor.)
Baker, David S., Greenwich, Conn. Apparatus for handling materials. 1,837,605; Dec. 22.
Baker, Dexter C., Oakland, assignor to Baker-Hansen Manufacturing Co., Alameda, Calif. Vacuum cleaner. 1,817,337; Aug. 4.
Baker, Dexter C., Oakland, assignor to Baker-Hansen Manufacturing Co., Alameda, Calif. Separator. 1,817,338; Aug. 4.
Baker, Edwin M. (See Leslie, E. H., and Baker.)
Baker, Emrys F. (See Major, S. E., and Baker.)
Baker, Erich F., Long Beach, Calif. Steam trap. 1,838,089; Dec. 29.
Baker, Erle K., Chicago, Ill. Chassis spring control. 1,810,897; June 23.
Baker, Erle K., Chicago, Ill., assignor to Motor Wheel Corporation, Lansing, Mich. Wheel mounting means. 1,815,821; July 21.
Baker, Erle K., Chicago, Ill., assignor, by mesne assignments, to Motor Wheel Corporation, Lansing, Mich. Disk wheel hub assembly. 1,818,447; Aug. 11.
Baker, Erle K., Chicago, Ill., assignor to Motor Wheel Corporation, Lansing, Mich. Automobile wheel. 1,818,448; Aug. 11.
Baker, Francis G., Chicago, Ill. Plumb line guide. 1,824,321; Sept. 22.
Baker, Frank C., R. J. Fleckenstein, and L. M. Landman, assignors to Texas Pacific Coal and Oil Company, Fort Worth, Tex. Apparatus for treating emulsified oil. 1,821,133; Sept. 1.
Baker, Franklin, Company. (See Rector, Thomas M., assignor.)
Baker, Fred, assignor to Fitchburg Weaving Company, Fitchburg, Mass. Mechanism for evening and tensioning yarn. 1,818,526; Aug. 11.
Baker, Frederic W., Claymont, Del. Boiler. 1,808,488; June 2.
Baker, Frederick W., Stourbridge, England, assignor to Trinity Wheel Corporation. Wheel rim. 1,817,906; Aug. 11.
Baker, Frederick W., Oldswinford, Stourbridge, England, assignor to Trinity Wheel Corporation, New York, N. Y. Wheel rim. 1,819,403; Aug. 18.
Baker, Frederick W., Stourbridge, England, assignor to Trinity Wheel Corporation. Demountable wheel rim. 1,820,173; Aug. 25.
Baker, Frederick W., Stourbridge, England, assignor to Trinity Wheel Corporation, New York, N. Y. Disk wheel. 1,820,174; Aug. 25.
Baker, George A., Philadelphia, Pa. Eyeshade. 1,791,653; Feb. 10.
Baker, George W. (See Dean, J. H., and Baker.)
Baker, George W., assignor, by mesne assignments, to United States Gypsum Company, Chicago, Ill. Manufacture of corner beads. 1,813,477; July 7.
Baker, H. C. (See White, Frank R., assignor.)
Baker-Hansen Manufacturing Co. (See Baker, Dexter C., assignor.)
Baker, Harold C., and O. A. Ross, New York, N. Y. Cleaning device for radio tuning dials. 1,826,715; Oct. 13.
Baker, Harry. (See Rundell, Raymond R., assignor.)
Baker, Henry S., Niagara Falls, Ontario, Canada, assignor, by mesne assignments, to A. K. Kempton, Jackson Heights, N. Y. Magnetic clock escapement. 1,825,382; Sept. 29.
Baker, Herbert A. (See McDonnell, Francis S., assignor.)
Baker, Herbert H., Monkseaton, Northumberland, and C. S. Davy, Dulwich, London, England, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Distributing means for fuel to stokers. 1,828,729; Oct. 27.
Baker, Hiram L. and M. R., Leland, Ill. Wagon hitch. 1,821,917; Sept. 8.
Baker, Howard A., Long Beach, Calif. Hood sign. 1,821,609; Sept. 1.
Baker, Howard H., Buffalo, N. Y. Dehydrating composition. 1,798,862; Mar. 31.
Baker, Hugh J., Indianapolis, Ind. T-head for shores. 1,826,118; Oct. 6.
Baker Ice Machine Co. (See Ecabert, Walter L., assignor.)
Baker, Irving C., York, assignor to York Ice Machinery Corporation, York, Pa. Spraying device. 1,826,977; Oct. 13.
Baker, Isaac F., East Orange, N. J., assignor to General Electric Company. Motor control. 1,817,797; Aug. 4.
Baker, James B., Scenery Hill, Pa. Milk bottle sterilizer. 1,813,602; July 7.
Baker, James M., Parkersburg, W. Va. Collapsible rumble seat inclosure. 1,806,604; May 26.
Baker, John C., Montclair, and C. F. Wallace, Westfield, assignors to Wallace & Tierman Products, Inc., Belleville, N. J. Colorimeter. 1,794,134; Feb. 24.
Baker, John C., Nutley, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Rubber printing plate. 1,834,759; Dec. 1.
Baker, John F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Furnace. 1,795,921; Mar. 10.
Baker, John H. E., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone exchange system. 1,812,617; June 30.

Baker, John M., Columbus, Ohio. Sadiron. 1,794,355; Mar. 3.
Baker, John S., assignor to Cook Electric Company, Chicago, Ill. Telephone protector. 1,800,978; Apr. 14.
Baker, Joseph A., Roseville, Mich., assignor, by mesne assignments, to Chrysler Corporation. Welding apparatus. 1,818,665; Aug. 11.
Baker, Leon J. (See Rice, Albert H., assignor.)
Baker Manufacturing Company, The. (See Buffington, Harry C., assignor.)
Baker Line Machinery Co. Ltd. (See Shaut, Edwin J., assignor.)
Baker, Max, Washington, D. C. Frozen confection. 1,802,306; Apr. 21.
Baker, Mervin R. (See Baker, Hiram L. and M. R.)
Baker, Milton L., San Rafael, assignor to Standard Oil Company of California, San Francisco, Calif. Liquid dispenser. 1,789,291; Jan. 20.
Baker, Milton L., San Rafael, assignor to Standard Oil Company of California, San Francisco, Calif. Extension-spout oil can. 1,797,676; Mar. 24.
Baker Nagle Company. (See Herman, Alfred B., assignor.)
Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Spectacle frame. Des. 84,176; May 19.
Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Goggles. 1,807,681; June 2.
Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,808,448; June 2.
Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Receptacle. 1,813,135; July 7.
Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,827,345; Oct. 13.
Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,827,346; Oct. 13.
Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,838,608; Dec. 29.
Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Eye protector. 1,838,649; Dec. 29.
Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)
Baker, Orson F., et al. (See Sherburne, Claude L., assignor.)
Baker, Paul W., assignor to Wagner Electric Corporation, St. Louis, Mo. Circuit-changing mechanism. 1,789,922; Jan. 20.
Baker Perkins Company. (See Devlin, Henry, assignor.)
Baker Perkins Company. (See Eggert, Gustav B., assignor.)
Baker Perkins Company. (See Engels, Eugene O., assignor.)
Baker Perkins Company. (See Feige, Harry, assignor.)
Baker Perkins Company. (See Harber, Laurence S., assignor.)
Baker Perkins Company. (See Reese, Louis C., assignor.)
Baker Perkins Company. (See Savy, R., Lebert, and Guggenheim, assignors.)
Baker Perkins Company. (See Schmierer, Eugene, assignor.)
Baker Perkins Company. (See Sundbom, Chester A., assignor.)
Baker Perkins Company. (See Thurm, R., and Schmierer, assignors.)
Baker Perkins Co. Inc. (See Bunce, John P., assignor.)
Baker Perkins Company Incorporated. (See Guggenheim, Max M., assignor.)
Baker Perkins Company Incorporated. (See Harber, L. S., and Pointon, assignors.)
Baker Perkins Company, Incorporated. (See Taroni, Charles E., assignor.)
Baker Perkins Co. Inc. (See Wilkinson, Harry W., assignor.)
Baker, Randall B., Watertown, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Paging system. 1,795,536; Mar. 10.
Baker-Raulang Company, The. (See Pitts, George B., assignor.)
Baker-Raulang Company, The. (See Remde, Edward H., assignor.)
Baker-Raulang Company, The. (See Stahl, Edward J., assignor.)
Baker-Raulang Company, The. (See Stoner, Frank, assignor.)
Baker, Reuben C., Coalinga, Calif. Cementing and floating device for well casings. 1,823,312; Sept 15.
Baker, Reuben C., Coalinga, Calif., assignor to Baker Casing Shoe Company, Huntington Park, Calif. Core barrel. Re18,045; Apr. 14.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Formation-direction indicator. 1,793,894; Feb. 24.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Hydraulic core extractor. 1,794,356; Mar. 3.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Well pumping unit. 1,795,922; Mar. 10.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Well pumping unit. 1,809,101; June 9.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Well pumping rig. 1,809,102; June 9.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Well cementing apparatus. 1,819,668; Aug. 18.
Baker, Robert. (See Schenck, Daniel W., assignor.)
Baker, Robert E. (See Carney, S. C., Baker, and Cutting.)
Baker, Robert M., Toledo, Ohio. Hot air furnace casing. 1,813,013; July 7.
Baker, Roy C., Wollaston, assignor of one-fifth to L. A. Jones, Belmont, Mass. Bookbinding. 1,791,459; Feb. 3.
Baker, Roy M., Chisholm, Minn. Mechanical shovel. 1,828,095; Oct. 20.
Baker, Russell W., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Conveying apparatus. 1,831,283; Nov. 10.
Baker, Rutland H. (See Bettinger, Louis M., assignor.)
Baker, Stephen D., New York, N. Y. Post for a towel bar or similar article. Des. 84,670; July 21.
Baker, Stephen D., New York, N. Y. Bathroom bracket or similar article. Des. 84,671; July 21.
Baker, Stephen D., New York, N. Y. Bathroom hook. Des. 84,672; July 21.
Baker, Stephen D., New York, N. Y. Bathroom bracket. Des. 84,673; July 21.
Baker, Stephen D., New York, N. Y. Bathroom toothbrush holder. Des. 84,728; July 28.
Baker, Stephen D., New York, N. Y. Soap holder or similar article. Des. 85,151; Sept. 22.
Baker, Stephen D., New York, N. Y. Ash tray or article of similar nature. Des. 85,274; Oct. 6.
Baker, Stephen D., New York, N. Y. Soap dish or article of similar nature. Des. 85,314; Oct. 13.
Baker, Stephen D., New York, N. Y. Combination soap holder and grab rail. Des. 85,459; Nov. 3.
Baker, Stephen D., New York, N. Y. Bathroom paper or sponge holder or article of analogous nature. Des. 85,508; Nov. 10.
Baker, Stephen D., New York, N. Y. Bathroom paper holder. Des. 85,509; Nov. 10.
Baker, Stephen D., New York, N. Y. Soap holder or similar article. Des. 85,849; Dec. 29.
Baker, Stephen D., New York, N. Y. Bathroom tooth brush holder. Des. 85,850; Dec. 29.
Baker, Stephen D., New York, N. Y. Grab rail or similar article. Des. 85,851; Dec. 29.
Baker, Thomas T. (See Goldsmith, J. M., Baker, and Bonamico.)
Baker, Thomas T. (See Goldsmith, J. N., and Baker.)
Baker, Thomas W. (See Magee, Frederick W., assignor.)
Baker, Walter F., Newport News, Va. Manifold bookbinder. 1,819,940; Aug. 18.
Baker, W. J., Company, The. (See Dodds, Luise E., and W. J., assignors.)
Baker, Walter J., assignor to The Wahl Company, Chicago, Ill. Fountain pen. 1,825,931; Oct. 6.
Baker, Walter R. G., Schenectady, N. Y., assignor to General Electric Company. Remote control system. 1,823,718; Sept. 15.
Baker, Walter N. (See Baker, Arthur R. and W. N.)
Baker, Wedworth V., Detroit, Mich. Core oven. 1,805,029; May 12.
Baker, William E., et al., trustees. (See Aland, Richard C., assignor.)
Baker, William H., Montreal, Quebec, Canada. Stopping mechanism for looms. 1,826,444; Oct. 6.
Baker, William H., assignor to Packard Motor Car Company, Detroit, Mich. Gauging machine. 1,823,719; Sept. 15.
Baker, William J., Newport, Ky. Handle structure for children's vehicles. 1,790,195; Jan. 27.
Baker, William T. (See Friedlander, M., and Baker.)
Baker, William W., Cincinnati, Ohio. Hydraulic rotary power transmitter. 1,829,554; Oct. 27.
Bakeries Service Corporation. (See Ohlson, Albert J., assignor.)
Bakewell, Gifford C., assignor to The Turbo-Mixer Corporation, New York, N. Y. Mixing, dissolving, or dispersing apparatus. 1,790,257; Jan. 27.
Bakewell, Gifford C., assignor to The Turbo-Mixer Corporation, New York, N. Y. Beverage mixer. 1,796,278; Mar. 17.
Bakke, Knute, West Allis, Wis. Ironing board. 1,814,109; July 14.
Bakkekilde, Robert S., Odense, Fyen, Denmark. Radiator construction. 1,828,637; Oct. 20.
Bakken, Andrew H., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,801,838; Apr. 21.
Bakken, Andrew H., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Hinged clamp for gas or liquid-proof housings. 1,810,066; June 16.
Bakken, Herman E., assignor to American Magnesium Corporation, Niagara Falls, N. Y. Separating volatile metals by sublimation. 1,814,072; July 14.
Bakken, Herman E., assignor to American Magnesium Corporation, Niagara Falls, N. Y. Purification of calcium. 1,814,073; July 14.
Bakonyi, Stefan, Dessau, Germany. Producing butanol and acetone by fermentation. 1,818,782; Aug. 11.

Bakonyi, Stefan, Budapest, Hungary, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany. Carrying out biochemical processes. 1,818,781; Aug. 11.

Balaban, Abraham, Bridgeport, Conn. Garment clasp. 1,801,839: Apr. 21.

Balachowsky, Dmitry, and P. Caire, Paris, France, assignors to Société des Brevets Catalex, Geneva, Switzerland. Gas mixing apparatus. 1,815,177; July 21.

Balachowsky, Dmitry, and P. Caire, Paris, France, assignors to Société des Brevets Catalex, Geneva, Switzerland. Producing a combustible charge for use in internal combustion engines. 1,815,178; July 21.

Balachowsky, Dmitry, and P. Caire, Paris, France, assignors to Société des Brevets Catalex, Geneva, Switzerland. Fuel feeding apparatus for internal combustion engines. 1,833,552; Nov. 24.

Balachowsky, Dmitry, and P. Caire, Paris, France, assignors to Société des Brevets Catalex, Geneva, Switzerland. Oil gas apparatus. 1,909,187; June 9.

Balachowsky, Dmitry, P. Caire, and M. Levy, assignors to Société des Brevets Catalex, Paris, France. Catalytic mixer. 1,834,818; Dec. 1.

Balbaud, Paul, Paris, France. Separable fastener. 1,823,229; Sept. 15.

Balch, Arvel M., Los Angeles, Calif. Airship. 1,802,863; Apr. 28.

Balch, George E., Mount Lebanon, assignor to L. H. Lee, Pittsburgh, Pa. Guy hook. 1,802,934; Apr. 28.

Balcolm, Charles A., et al. (See Reynolds, Joy S., assignor.)

Balden, Clements G. (See Frehse, A. W., and Belden.)

Baldenhofer, Christian. (See Martin, E. R., Byland, Baldenhofer, and Ormesher.)

Baldenhofer, Christian, Springfield, Ohio. Packaging machine. 1,831,837; Nov. 17.

Balder, Milton C., Yonkers, N. Y. Electric sign. 1,812,919; July 7.

Balderson, Robert A., assignor to Armstrong Cork Company, Pittsburgh, Pa. Method and machine for printing floor coverings. 1,788,374; Jan. 13.

Baldi, John. (See Molinari, R., and Baldi.)

Baldner, George. (See Baldner, J. and G.)

Baldner, Jacob and G., Xenia, Ohio; said G. Baldner assignor of his entire right to K. S. Clapp, Cleveland, Ohio. Grease dispenser. 1,808,804; June 9.

Balduf, Bruno E., assignor to United States Gypsum Company, Chicago, Ill. Sound-reducing construction. 1,811,250; June 23.

Baldus, Paul C. (See Irgens, F. T., and Baldus.)

Baldwin, Cloise H., Fort Worth, Tex. Machine for forming coat hangers. 1,835,839; Dec. 8.

Baldwin Company, The. (See Morse, Arthur H., assignor.)

Baldwin Company, The. (See Trinkle, Carl, assignor.)

Baldwin Company, The. (See Zeltner, Harry M., assignor.)

Baldwin, Delavan M., New York, N. Y. Fireplace scuttle. Des. 84,561; July 7.

Baldwin, Earl F., assignor to American Fibre Corporation, Gardner, Mass. Loom stop mechanism. 1,823,720; Sept. 15.

Baldwin, Ernest W. and G. D., Independence, assignors to The Gleaner Combine Harvester Corporation, Kansas City, Mo. Grain beater. 1,802,998; Apr. 28.

Baldwin, Ernest W. and G. D., Independence, assignors to The Gleaner Combine Harvester Corporation, Kansas City, Mo. Reel driving mechanism for harvesters. 1,810,037; June 16.

Baldwin, Francis J., Ravenna, Ohio. Skate wheel. 1,795,821; Mar. 10.

Baldwin, George D. (See Baldwin, Ernest W. and G. D.)

Baldwin, George E., Seattle, Wash. Smoking pipe. 1,833,014; Nov. 24.

Baldwin, George E., Lima, Ohio, assignor to J. V. Robinson, New York, N. Y. Automatic train-pipe connecter. 1,797,167; Mar. 17.

Baldwin, George T., Thornton Heath, assignor to Rembrandt Intaglio Printing Company Limited, London, England. Printing and other cylinder and securing sheets thereto. 1,795,700; Mar. 10.

Baldwin, James L., Chicago, Ill. Cash carrier. 1,793,895; Feb. 24.

Baldwin, James L., Chicago, Ill. Parcel carrier. 1,835,259; Dec. 8.

Baldwin, John D., jr., assignor to A. J. Weatherhead, jr., Cleveland, Ohio. Making cocks or valves. 1,825,042; Sept. 29.

Baldwin, Julian T., West Chester, assignor to Sandura Company, Inc., Philadelphia, Pa. Floor covering and making the same. 1,793,666; Feb. 24.

Baldwin, Julian T., West Chester, assignor to Sandura Company, Inc., Philadelphia, Pa. Floor covering and preparing the same. 1,793,667; Feb. 24.

Baldwin Locomotive Works. (See Michael, Loren P., assignor.)

Baldwin, Luther C., assignor, by mesne assignments, to U. S. Bobbin & Shuttle Company 1929, Providence, R. I. Shuttle eye and making the same. 1,816,167; July 28.

Baldwin, Milton F., Chicago, Ill. Labeling means. 1,792,477; Feb. 17.

Baldwin, Wilbur M., administrator. (See Parsons, Ernest P.)

Baldwin, William M., Garden City City, N. Y. Apparatus for separating solids from liquids in which said solids are suspended. 1,837,191; Dec. 22.

Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Handle for doors or the like. Des. 82,968; Jan. 6.

Bales, James E., and C. T. Christensen, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Door operating device. 1,831,800; Nov. 17.

Balfe, George T., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich. Gasket. 1,788,041; Jan. 6.

Balfe, George T., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich. Gasket. 1,789,030; Jan. 13.

Balfour, L. G., Company. (See Patt, Winfield C., assignor.)

Balfour, Walter M. (See Fisher, G. P., and Baufour.)

Balinski, Amelia C., Tarrytown, and E. Mahoney, New Rochelle, N. Y. Surgical instrument. 1,813,693; July 7.

Balk, Fred J. and J. J., Union City, N. J. Closure fastener. 1,797,313; Mar. 24.

Balk, Joseph J. (See Balk, Fred J. and J. J.)

Balk, William H., Cleveland, Ohio. Sign. 1,826,162; Oct. 6.

Balke, Clarence W., Highland Park, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Obtaining metallic tantalum. 1,799,403; Apr. 7.

Balkwill, Stephen W., Cleveland Heights, Ohio. Railway crossing. 1,803,420; May 5.

Balkwill, Stephen W., Cleveland Heights, Ohio. Insulated railway crossing and frog. 1,833,063; Nov. 24.

Balkwill, Wesley J. (See Johnson, A. S., and Balkwill.)

Ball, Albert P., Royal Oak, assignor to Square D Company, Detroit, Mich. Electrical switch. 1,811,251; June 23.

Ball, Albert P., assignor to Square D Company, Detroit, Mich. Unit base construction. 1,811,252; June 23.

Ball, Albert P., assignor to Square D Company, Detroit, Mich. Electrical switch. 1,811,253; June 23.

Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Molding assembly. 1,815,696; July 21.

Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Vehicle body construction. 1,821,957; Sept. 8.

Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Front end construction for vehicle bodies. 1,830,081; Nov. 3.

Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Check strap assembly. 1,837,517; Dec. 22.

Ball and Ball Carburetor Company. (See Ball, Frederick O. and T. M., assignors.)

Ball, Ben A., assignor to American Textile Co. Inc., Pawtucket, R. I. Lace. Des. 84,177; May 19.

Ball Brothers Company. (See Jewett, Fred E., assignor.)

Ball Brothers Company. (See Sterrett, Walter R., assignor.)

Ball, Charles E., Turlock, Calif. Wagon grader. 1,827,414; Oct. 13.

Ball, Charles E. and S. H., Turlock, assignors to Ball Wagon Graded Company, Stockton, Calif. Combined scraper and grader. 1,834,301; Dec. 1.

Ball, Charles F. (See Shafer, S., jr., and Ball.)

Ball, Charles J., New York, assignor to Haines Manufacturing Corporation, Rochester, N. Y. Coin bank. 1,790,131; Jan. 27.

Ball, Edwin C., St. Louis, Mo. Alternating current motor. 1,819,013; Aug. 18.

Ball, Frederick O., and T. M. Ball, assignors to Ball and Ball Carburetor Company, Detroit, Mich. Carburetor. 1,814,359; July 14

Ball, George P., Allenton, Pa. Combination portable loader and car unloader. 1,793,987; Feb. 24.

Ball, George S. (See Teeple, G. L., and Ball.)

Ball, Harry V., Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Web-printing machine. 1,787,969; Jan. 6.

Ball, Harry V., Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing presses. 1,788,504; Jan. 13.

Ball, Harry V., Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Multicolor press. 1,796,643; Mar. 17.

Ball, Harry V., Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Associating mechanism. 1,805,681; May 19.

Ball, Harry V., Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Web guiding mechanism for printing machines. 1,811,377; June 23.

Ball, Harry V., Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Web roll controlling mechanism. 1,819,586; Aug. 18.

Ball, Harry V., Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Web roll supporting and pasting mechanism. 1,833,632; Nov. 24.

Ball, Harry V., Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Press arrangement. 1,835,585; Dec. 8.

Ball, Harry V., Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Web roll changer. 1,837,698; Dec. 22.

Ball, Harry V., Concord, Mass., and A. J. Horton, White Plains, assignors to R. Hoe & Co., Inc., New York, N. Y. Web roll controlling mechanism. 1,815,179; July 21.

Ball, Harry V., Concord, Mass., and A. J. Horton, White Plains, assignors to R. Hoe & Co., Inc., New York, N. Y. Web roll controlling mechanism. 1,828,898; Oct. 27.

Ball, Harry V., Concord, Mass., and W. Ogden, Cleveland, Ohio, assignors to R. Hoe & Co., Inc., New York, N. Y. Web roll changer. 1,811,872; June 30.
Ball, James A. (See Shryock, R. B., and Ball.)
Ball, Percy B., assignor to The Watson Company, Attleboro, Mass. Spoon or similar article. Des. 84,127; May 12.
Ball, Percy B., assignor to The Watson Company, Attleboro, Mass. Fork or similar article. Des. 84,729; July 28.
Ball, Percy B., assignor to The Watson Company, Attleboro, Mass. Fork or similar article. Des. 84,804; Aug. 11.
Ball, Percy B., assignor to The Watson Company, Attleboro, Mass. Tea or coffee pot or similar article. Des. 85,681; Dec. 8.
Ball, Percy B., assignor to The Watson Company, Attleboro, Mass. Bowl or similar article. Des. 85,682; Dec. 8.
Ball, Samuel H. (See Ball, C. E. and S. H.)
Ball, Thomas M. (See Ball, Frederick O., and T. M.)
Ball Wagon Grader Company. (See Adams, William J., assignor.)
Ball Wagon Grader Company. (See Ball, C. E. and S. H., assignors.)
Ball, William, Wallington, England. Calculating machine. 1,838,209; Dec. 29.
Ballantine, Stuart, Mountain Lakes, N. J. Cathode system for vacuum tubes. 1,834,443; Dec. 1.
Ballantine, Stuart, Mountain Lakes, assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Electrical circuits for radioreceivers. 1,792,961; Feb. 17.
Ballard, Arthur H., Incorporated. (See Ballard, Arthur H., assignor.)
Ballard, Arthur H., Incorporated. (See Goodridge, George E., assignor.)
Ballard, Arthur H., assignor to Arthur H. Ballard, Incorporated, Boston, Mass. Atmosphere regulating system. 1,827,926; Oct. 20.
Ballard & Ballard Company. (See Willoughby, Lively B., assignor.)
Ballard, Bernard T., and F. J. Gough, Fort Dodge, Iowa, assignors to United States Gypsum Company, Chicago, Ill. Liquid measuring apparatus. 1,813,834; June 7.
Ballard, Ernest S., San Francisco, Calif., assignor to Standard Process Corporation, Chicago, Ill. Doctor blade. 1,812,920; July 7.
Ballard, Ernest S., Berkeley, assignor to Ballard Process Co., San Francisco, Calif. Printing form and making same. 1,831,645; Nov. 10.
Ballard, Eva C., New York, N. Y. Cooking utensil. 1,789,330; Jan. 20.
Ballard, Francis D., Flushing, and F. S. Buck, Wellsville, N. Y. Carrying case for currency. 1,824,765; Sept. 29.
Ballard, Harrie A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel seat fitting machine. 1,834,083; Dec. 1.
Ballard, Harrie A., Beverly, and Olaf T. Hoelslock, Lynn, Mass., assignors to The Turner Tanning Machinery Company, Portland, Me. Cheeking machine. 1,796,277; Mar. 17.
Ballard, Howard T., et al., trustees. (See Pratt, Harry P., assignor.)
Ballard, Joe. (See Beaty, F. F., Elmore, and Pope.)
Ballard, Milton H., Beverly, and T. H. Seely, Melrose, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Clutch mechanism. 1,834,082; Dec. 1.
Ballard Process Co. (See Ballard, Ernest S., assignor.)
Ballauf, Fritz. (See Hentrich, W., Knoche, and Ballauf.)
Ballauf, Fritz. (See Schmelzer, A., Müth, and Ballauf.)
Ballauf, Fritz, F. Muth and A. Schmelzer, Elberfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Diazotization of amino carbazole and its derivatives. 1,807,692; June 2.
Ballauf, Fritz, and A. Schmelzer, Elferfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of hydroxy carbazoles. 1,834,015; Dec. 1.
Balle, Gerhard, H. Lange, and K. Ost, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie, Aktiengesellschaft, Frankfort-on-the-Main, Germany. Formic acid ester of diethyl ether of cellulose and preparing the same. 1,823,847; Sept. 15.
Ballentine, Earle W., Chicago, Ill., assignor to Gilley Wire Company, Newark, N. J. Distortion in radio receiving circuits. 1,801,479; Apr. 21.
Ballew, Elmer L., Chicago, Ill. Racing apparatus. 1,821,784; Sept. 1.
Ballew, Elmer L., Chicago, Ill. Racing apparatus. 1,821,786; Sept. 1.
Ballew, Elmer L., Chicago, Ill. Portable moving racing apparatus. 1,821,826; Sept. 1.
Ballman, Edwin C., St. Louis, Mo. Self-starting asynchronous motor. 1,789,294; Jan. 20.
Ballman, Edwin C., St. Louis, Mo. Self-basting roaster. 1,789,349; Jan. 20.
Ballman, Edwin C., St. Louis, Mo. Motor mounting. 1,791,261; Feb. 3.
Ballou, B. A., & Co. (See Morehouse, Eugene, assignor.)
Ballou, Harry R., Canton, Ohio, assignor to The Hoover Company. Suction cleaner. 1,829,255; Oct. 27.
Ballou, Howard M., and C. A. Joslin, North Attleboro, Mass. Hand mirror or like article. Des. 83,785; Mar. 31.
Ballou, Walter T., Los Angeles, Calif. Commutator mica undercutting tool. 1,809,228; June 9.
Bally, Oscar, and P. Grossmann, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Amino anthraquinone derivatives and making same. 1,828,588; Oct. 20.
Balmer, J. H., Co. (See Fixsen, Henry J., assignor.)
Balough, Charles, assignor to Hercules Motors Corporation, Canton, Ohio. Bolt for connecting rods and the like. 1,836,949; Dec. 15.
Balsam, Maurice M., Brooklyn, N. Y. Metal binding machine. 1,806,277; May 19.
Balser, Lester W. and E. E. Clark, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing double shuttle loom. 1,807,722; June 2.
Balsiger, Harold E. (See Steiner, A. P., and Balsiger.)
Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Safety device for grinding machines. 1,826,445; Oct. 6.
Balsley, Eugene A., Wheeling, W. Va., and L. I. Yeomans, assignors to L. I. Yeomans, Inc., Chicago, Ill. Protecting sand molds and cores. 1,805,650; May 19.
Balsley, James R., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Signaling system. 1,788,078; Jan. 6.
Balsley, James R., Beverly Hills, assignor to Fox Film Corporation, Hollywood, Calif. Method of and system for recording and reproducing sound. 1,794,664; Mar. 3.
Balsley, James R., assignor to Fox Case Corporation, New York, N. Y. Apparatus and method for copying photographically-recorded sound records. 1,795,751; Mar. 10.
Balsley, James R., Beverly Hills, assignor to Fox Film Corporation, Hollywood, Calif. Volume control in sound record reproduction. 1,827,735; Oct. 20.
Balson, Adrian C., Philadelphia, Pa. Toy bank. 1,804,733; May 12.
Balson, Adrian C., Philadelphia, Pa. Toy bank. 1,838,650; Dec. 29.
Baltes, Max. (See Glietenberg, E., Haller and Baltes.)
Balthasar, Arthur, Cumberland, Md., assignor to Celanese Corporation of America. Yarn tensioning device. 1,828,918; Oct. 27.
Balthazor, Benjamin T., Racine, Wis. Air supply device. 1,808,281; June 2.
Balton, Charles A., Buffalo, N. Y. Shock absorber. 1,837,395; Dec. 22.
Balton, James L., Baltimore, Md. Ice-cream container. Des. 84,452; June 23.
Balton, James L., assignor to Joseph Shapiro, Baltimore, Md. Ice cream scoop. 1,805,387; May 12.
Balton, James L., assignor to J. Shapiro, Baltimore, Md. Supply and delivery mechanism for control of fluids. 1,832,891; Nov. 24.
Baltz, Charles A., jr., Ruxton, Md. Automatic window closing device. 1,825,043; Sept. 29.
Baltzer, Andreas, Napoleon, N. Dak. Automatic gate. 1,837,941; Dec. 22.
Baltzley, Louis E., Glen Ridge, N. J. Electric connecter. 1,796,742; Mar. 17.
Baltzley, Louis E., Glen Ridge, N. J. Machine for snelling fishhooks. 1,814,464; July 14.
Balusek, Frank F., Placedo Junction, Tex. Protector for inlets of air-blast generators. 1,799,144; Apr. 7.
Balz-Erzröstung Gesellschaft mit beschränkter Haftung. (See Balz, Georg, assignor.)
Balz, Georg, Gleiwitz, Germany. Furnace for roasting zinc blende. 1,836,002; Dec. 15.
Balz, Georg, Tubingen, assignor, by mesne assignments, to Balz-Erzröstung Gesellschaft mit beschraenkter Haftung, Gleiwitz, Germany. Mechanical kiln. 1,787,504; Jan. 6.
Balz, Georg, Tubingen, assignor to Balz-Erzröstung Gesellschaft mit beschränkter Haftung, Gleiwitz, Germany. Roasting zinc blende and the like. 1,815,040; July 21.
Balz, Otto, and W. Wagner, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Conversion of calcium compounds. 1,790,220; Jan. 27.
Balzano, Oresto, New Haven, Conn., assignor to The Greist Manufacturing Company. Thread cutter. 1,819,404; Aug. 18.
Balze, Paul. (See Mersfelder, F. J., and Balze.)
Balzer, Werner H., New York, assignor, by mesne assignments, to A. K. Kempton, Jackson Heights, Long Island, N. Y. Hinged bezel for clocks. 1,804,734; May 12.
Bamag-Meguin Aktiengesellschaft. (See Heller, Oswald, assignor.)
Bamaz-Meguin Aktiengesellschaft. (See Miedbrodt, Carl, assignor.)
Bamag-Meguin Aktiengesellschaft. (See Zdanski, Arno E., assignor.)
Bamberger, George J., Sand Springs, Okla. Boudoir lamp. Des. 85,460; Nov. 3.
Bamberger, Isac, Bad Kissingen, Germany. Flash-light cartridge. 1,833,404; Nov. 24.
Bamberger, Otto, assignor to Deutsche Maschinen-fabrik Aktiengesellschaft, Duisburg, Germany. Manufacture of seamless tubes. 1,823,080; Sept. 15.
Bamford, Cyril J. (See Bamford, Joseph and C. J.)
Bamford, Frank L., assignor to C. M. Hall Lamp Company, Detroit, Mich. Vehicle lamp. 1,797,540; Mar. 24.
Bamford, Frank L., assignor to C. M. Hall Lamp Company, Detroit, Mich. Lamp. 1,820,112; Aug. 25.

Bamford, Frank L., and A. L. Martinek, assignors to C. M. Hall Lamp Company, Detroit, Mich. Lamp. 1,832,348; Nov. 17.

Bamford, Joseph and C. J., Uttoxeter, England. Machine for distributing manure or other material. 1,829,627; Oct. 27.

Banagan, William H., Quechee, Vt. Weft end remover for automatic looms. 1,808,127; June 2.

Banbury, Fernley H., assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Thrust bearing. 1,818,449; Aug. 11.

Banbury, Fernley H., assignor to Farrell-Birmingham Company, Incorporated, Ansonia, Conn. Mixing machine or the like. 1,836,355; Dec. 15.

Bancel, Paul A., Montclair, assignor to Ingersoll-Rand Company, Jersey City, N. J. Surface condenser. 1,792,060; Feb. 10.

Bancel, Paul A., Montclair, assignor to Ingersoll-Rand Company, Jersey City, N. J. Condenser. 1,794,135; Feb. 24.

Bancel, Paul A., Nutley, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater boiler. 1,801,251; Apr. 14.

Bancel, Paul A., Montclair, assignor to Ingersoll-Rand Company, Jersey City, N. J. Condenser. 1,804,584; May 12.

Bancel, Paul A., Montclair, assignor to Ingersoll Rand Company, Jersey City, N. J. Condenser. 1,830,185; Nov. 8.

Bancroft, George J., and M. E. Anderson, Denver, Colo. Lubricating device. 1,811,343; June 23.

Bancroft, Harry L., Salem, Oreg. Combined releasing and suspending device. 1,791,341; Feb. 3.

Bancroft Holdings Limited. (See Johns, Henry S., assignor.)

Bancroft, James. (See Andrew, T. E., Langstreth, and Bancroft.)

Bancroft, James E., Detroit, Mich., assignor to Door-Motive Corporation, Worcester, Mass. Door-operating mechanism. 1,790,648; Feb. 3.

Bancroft, James E., Detroit, Mich., assignor to Door-Motive Corporation, Worcester, Mass. Electric switch. 1,819,061; Aug. 18.

Bancroft, James E., Detroit, Mich., assignor, by mesne assignments, to Door-Motive Corporation, Worcester, Mass. Vehicle responsive mechanism. 1,836,058; Dec. 15.

Bancroft, James E., Detroit, Mich., assignor to Door-Motive Corporation, Worcester, Mass. Door operating mechanism. 1,836,059; Dec. 15.

Bancroft-Walker Co. (See Ray, George M., assignor.)

Bancroft, William P., Lincoln, Nebr. Garden tool. 1,811,604; June 23.

Bandemer, William E., assignor to King-Seeley Corporation, Ann Arbor, Mich. Liquor-depth-indicating device. 1,789,166;; Jan. 13.

Bander, Jacob B., Newark, N. J. Reading glass. 1,814,540; July 14.

Bänfer, Wilhelm, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Milling the rail seats of timber ties. 1,830,977; Nov. 10.

Banfield, Frederic E., jr., Saco, Me., assignor to Saco-Lowell Shops, Newton, Mass. Box rail and making same. 1,836,011; Dec. 15.

Banfield, Harry S., Toronto, Ontario, Canada, assignor, by mesne assignments, to Roach-Appleton Manufacturing Company, Chicago, Ill. Outlet box for electric wires. 1,800,813; Apr. 14.

Banfield, Judson S., Wellsville, Ohio. Continuous calendar. 1,833,197; Nov. 24.

Banfield, Thomas H., Portland, Oreg. Doorcheck. 1,801,840; Apr. 21.

Banfield, Thomas H., assignor to Iron Fireman Manufacturing Company, Portland, Ore. Shaft coupling. 1,819,859; Aug. 18.

Banfil, William H., Boston, Mass. Foam-type fire extinguisher. 1,788,375; Jan. 13.

Bangay, Raymond D., Brentwood, England, assignor to Radio Corporation of America. Radio signaling system. 1,821,921; Sept. 8.

Bangert, Joseph F., Williamsport, Pa. Linotype-magazine rack. 1,793,540; Feb. 24.

Bangerter, Jakob, Burgdorf, Switzerland. Pressure oil governor for turbine wheels. 1,825,611; Sept. 29.

Banigan, Thomas F., Buffalo, assignor to Du Pont Rayon Company, New York, N. Y. Washing artificial silk. 1,802,935; Apr. 28.

Banker, Oscar H., Philadelphia, Pa. Transmission mechanism. 1,795,465; Mar. 10.

Banker, Oscar H., Philadelphia, Pa., assignor to Continental Illinois Bank and Trust Company, Chicago, Ill. Transmission. 1,795,464; Mar. 10.

Banker, Otto, Mankato, Minn. Drain board for wringers. 1,809,885; June 16.

Banker, Otto, Mankato, Minn. Lock. 1,811,291; June 23.

Banker, William C., Chapin, Iowa. Windmill. 1,825,500; Sept. 29.

Bankers Electric Protective Association. (See Flagg, Clarence L., assignor.)

Bankers Trust Company. (See Garlock, Mott A., assignor.)

Bankers Utilities Co. (See Greer, John H., assignor.)

Bankette Co., The. (See Dugdale, Richard M., assignor.)

Bankhead, Clarence A., assignor to Bankhead & Walter, Inc., Portland, Oreg. Brake shoe grinder. 1,830,868; Nov. 10.

Bankhead & Walter, Inc. (See Bankhead, Clarence A., assignor.)

Banks, Charles G., Glendale, assignor of one-half to C. M. O'Leary, jr., Los Angeles, Calif. High pressure hose. 1,811,226; June 23.

Banks, Claud L., and O. W. Smith, New Philadelphia, Ohio. Rocking horse. 1,833,731; Nov. 24.

Banks, Harry P. (See Laucks, I. F., Banks, Davidson, Rippey, and Cone.)

Banks, Harry P. (See Rippey, H. F., Cone, Davidson, Laucks, and Banks.)

Banks, Harry P., Seattle, Wash. Making a water resistant adhesive and the product thereof. 1,813,377; July 7.

Banks, Harry P., and Glenn Davidson, assignor to I. F. Laucks Inc., Seattle, Wash. Making an adhesive and the product thereof. 1,835,689; Dec. 8.

Banks, Henry W., 3d, Noroton, Conn. Antiseptic composition and making the same. 1,813,109; July 7.

Banks, Joseph L., Baltimore, Md. Musical instrument. 1,798,055; Mar. 24.

Banks, Robert W., El Dorado, Ark. Smoker's pipe. 1,819,062; Aug. 18.

Banks, William C., Jersey City, N. J. Third rail protector bracket. 1,837,096; Dec. 15.

Bankson, William R., Pittsburgh, Pa. Brick cleaner. 1,813,014; July 7.

Bankson, William R., Pittsburgh, Pa. Hedge trimmer. 1,839,009; Dec. 29.

Bankwitz, Frederick E., assignor to Magic Clothes Line Company, Inc., Parkersburg, W. Va. Attaching loop for clotheslines, cables, etc. 1,836,744; Dec. 15.

Banner, Otto A., assignor to The Falk Company, Milwaukee, Wis. Power plant. 1,790,221; Jan. 27.

Banner, Robert J., Youngstown, Ohio. Edging mill. 1,808,752; June 9.

Banner Rock Corporation. (See Cooper, Floyd F., assignor.)

Banner Rock Corporation. (See Hall, Charles C., assignor.)

Banner Rock Corporation. (See Powell, Edward R., assignor.)

Bannerman, Levi. (See Talbott, W. D., and Bannerman.)

Banning, Ephraim. (See Potter, Earl F., assignor.)

Banning, Thomas A., jr., Wilmette, Ill. Meter and the like. 1,796,313; Mar. 17.

Bannister, Bryant, Pittsburgh, Pa. Air conditioning system. 1,811,378; June 23.

Bannister, Glenn B., Hermosa Beach, assignor to Metlix Corporation, Ltd., Manhattan Beach, Calif. Marquise. Des. 83,944; Apr. 21.

Bannister, William J. (See Swallen, L. C., and Bannister.)

Bannister, William J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Oleic acid ester. 1,796,231; Mar. 10.

Bannister, William J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of trialkyl phosphates. 1,799,349; Apr. 7.

Bannister, William J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of amine salts of half esters of dicarboxylic acids. 1,803,298; Apr. 28.

Banschbach, Edward A., Madison, Wis. Buffer. 1,821.284; Sept. 1.

Banschbach, Edward A., Madison, Wis. Automobile side buffer. 1,826,979; Oct. 13.

Banta, Clifford, and F. W. Hightower, Philadelphia, Pa., assignors to The Barrett Company New York, N. Y. Treating tar acids. 1,824,864; Sept. 29.

Banton, Albert W., assignor to O. F. Jordan Company, East Chicago, Ill. Railroad spreader. 1,838,730; Dec. 29.

Bany, Herman, Yeadon, Pa., assignor to General Electric Company. Control system. 1,792,268; Feb. 10.

Bany, Herman, Yeadon, Pa., assignor to General Electric Company. Regulating system. 1,792,269; Feb. 10.

Bany, Herman, Yeadon, Pa., assignor to General Electric Company. Automatic control equipment. 1,801,242; Apr. 14.

Banzett, William H., Bergenfield, N. J., assignor to American Lithographic Company, Inc., New York, N. Y. Printing press cylinder. 1,789,292; Jan. 20.

Baquet, Frank. (See Parrish, B. E., and Baquet.)

Baquey, Pierre (dit) Gaston, Colombes, France. Face-powder device providing for a gradual feed of the powder. 1,796,499; Mar. 17.

Barager, Alfred T. (See Leech, William E. and W. T., and Barager.)

Barager, Irving C. (See Webster, R. B., Fagerlie, and Barager.)

Baranoff, Harry, New York, N. Y. Expansion anchoring device. 1,788,270; Jan. 6.

Baranski, Julian, Florence, N. J. Animal trap. 1,798,717; Mar. 31.

Barany, Edmund R., Madison, Wis., assignor to F. J. Kent, New York, N. Y., and himself, jointly. Flash light. 1,832,443; Nov. 17.

Baratelli, Luis. (See Campodonico, L. M., and Baratelli.)

Barattucci, Nicala, et al. (See Maile, Michael, assignor.)

Barbarino, Salvatore, Brooklyn, N. Y. Vehicle. 1,839,189; Dec. 29.

Barbarou, Marius J-B., Paris, France. Propeller with variable pitch. 1,825,768; Oct. 6.
Barbarou, Marius J-B., Paris, France. Construction of the cylinders of internal combustion engines. 1,825,769; Oct. 6.
Barbas, Raymond, assignor to La Société Anonyme Jean Patou, Paris, France. Bottle holder. Des. 83,421; Feb. 24.
Barbas, Zois, Boston, Mass. Curtain-rod bracket. 1,795,419; Mar. 10.
Barbe, Edgar H. (See Earles, A., and Barbe.)
Barbé, Edgar H., assignor to Rollodor Manufacturing Company, Los Angeles, Calif. Ash tray. Des. 85,315; Oct. 13.
Barbé, Edgar H., assignor to Rollodor Manufacturing Company, Los Angeles, Calif. Ash tray. Des. 85,316; Oct. 13.
Barbeck, Joseph, Cleveland, Ohio. Automobile theft alarm. 1,792,478; Feb. 17.
Barber Asphalt Company, The. (See Browne, Frank A., assignor.)
Barber Asphalt Company, The. (See Sewall, Arthur W., assignor.)
Barber Asphalt Company, The. (See Weaver, Wayne W., assignor.)
Barber-Colman Company. (See Drake, Russell P., assignor.)
Barber-Colman Company. (See Edgar, John, assignor.)
Barber-Colman Company. (See Kessler, Charles L., assignor.)
Barber-Colman Company. (See Peterson, Burt A., assignor.)
Barber, Frank, College Point, N. Y. Leather-plaiting apparatus. 1,796,314; Mar. 17.
Barber, Frank, College Point, N. Y. Making plaited leather. 1,805,478; May 19.
Barber, Frank E., Oneida, N. Y. Shipping container. 1,837,249; Dec. 22.
Barber, Franklin L., and E. W. Webb, Chicago, Ill., assignors, by mesne assignments, to The Bettendorf Company, Bettendorf, Iowa. Car truck. 1,800,427; Apr. 14.
Barber Gas Burner Company, The. (See Kerr, Harry E., assignor.)
Barber-Greene Company. (See Barber, Harry H., assignor.)
Barber, Harry H., assignor to Barber-Greene Company, Aurora, Ill. Scraper for ditching machines. 1,796,184; Mar. 10.
Barber, Harry H., Aurora, Ill., assignor to Barber-Greene Company. Feeder for bucket loaders. 1,817,474; Aug. 4.
Barber, Harry H., Aurora, Ill., assignor to Barber-Greene Company. Loader. 1,821,536; Sept. 1.
Barber, Harry H., Aurora, Ill., assignor to Barber-Greene Company. Ditching machine. 1,821,537; Sept. 1.
Barber, Harry H., Aurora, Ill., assignor to Barber-Greene Company. Excavator. 1,825,258; Sept. 29.
Barber, Harry H., Aurora, Ill., assignor to Barber-Greene Co. Selective wheel drive mechanism. 1,836,003; Dec. 15.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Tension controlling means for traveling offset webs. 1,806,140; May 19.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Tension controlling means for traveling offset webs. 1,806,141; May 19.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Double multicolor web perfecting rotary printing press. 1,816,354; July 28.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Rotary printing press. 1,816,355; July 28.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Multiweb handling machine. 1,826,446; Oct. 6.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Double multicolor web perfecting rotary printing press. 1,833,510; Nov. 24.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Double multicolor web perfecting rotary printing press. 1,833,511; Nov. 24.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Multicolor rotary printing press. 1,833,512; Nov. 24.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Rotary web printing press. 1,835,626; Dec. 8.
Barber, Hugh B., and W. M. Hepburn, assignors to Surface Combustion Corporation, Toledo, Ohio. Combined gas burner and mixing apparatus. 1,826,163; Oct. 6.
Barber, Joseph L., Greeley, Colo. Photographic-printing machine. 1,796,823; Mar. 17.
Barber, Joseph L., Greeley, Colo. Photograph print embossing machine. 1,827,927; Oct. 20.
Barber, La Don, Lansing, Mich. Combined tail and stop light. 1,793,730; Feb. 24.
Barber, Lytle D. (See Hile, T. J., and Barber.)
Barber, Martin A., Cleveland, Ohio, assignor to Consolidated Connector Patent Corporation, Wilmington, Del. Head for automatic train pipe connecters. 1,837,009; Dec. 15.
Barber, Thomas W., Averley, London, England. Mixing gases and liquids. 1,830,633; Nov. 3.
Barber, William, Brooklyn, N. Y., assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich. Spoke wheel and making same. 1,789,962; Jan. 27.
Barber, William, Brooklyn, N. Y., assignor to Steel Wheel Corporation, Lansing, Mich. Disk wheel. 1,818,450; Aug. 11.
Barber, William, Brooklyn, N. Y. Valve seat grinder. 1,819,453; Aug. 18.
Barber, William, Brooklyn, N. Y. Cushion tire. 1,822,556; Sept. 8.
Barbet, Emile A., Paris, France. Continuous rectification of crude methyl alcohol. 1,805,559; May 19.
Barbian, Charles A., Akron, Ohio. Illuminating device. 1,835,745; Dec. 8.
Barbieri, Cesare, New York, N. Y., assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Paper-cup blank. 1,792,724; Feb. 17.
Barbieri, Cesare, New York, N. Y., assignor, by mesne assignments, to The Vortex Mfg. Co., Chicago, Ill. Blank for flat bottom cups. 1,802,132; Apr. 21.
Barbieri, Cesare, New York, N. Y., assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Cup machine. 1,819,318; Aug. 18.
Barbieri, Cesare, New York, N. Y., assignor, by mesne assignments, to Vortex Cup Company, Chicago, Ill. Filling and capping machine for containers. 1,837,396; Dec. 22.
Barbour, Fred R. (See Hopf, Floyd F., assignor.)
Barbour, Howard C., and R. H. Zeilman, assignors to The Thew Shovel Company, Lorain, Ohio. Grapple. 1,828,919; Oct. 27.
Barbour, John E., Paterson, N. J., assignor to National Net & Twine Co. Inc., Boston, Mass. Shuttle operating mechanism. 1,807,333; May 26.
Barbour, Perley E. (See Arnold, Pearl C., assignor.)
Barbour, Perley E. (See Arnold, P. C., and Vizard, assignors.)
Barbour, Perley E. (See Barbour, Walter G., assignor.)
Barbour, Walter G., Quincy, assignor to P. E. Barbour, trading as Barbour Welting Company, Brockton, Mass. Shoe or article of analogous nature. Des. 84,562; July 7.
Barbour Welting Company. (See Arnold, Pearl C., assignor.)
Barbour Welting Company. (See Arnold, P. C., and Vizard.)
Barbour Welting Company. (See Barbour, Walter G.)
Barcalo Manufacturing Company. (See Vallone, Charles, assignor.)
Barce, John O., Chicago, Ill. Shower-bath cabinet. 1,794,941; Mar. 3.
Barclay, Earle H., assignor to The Silica Gel Corporation, Baltimore, Md. Preparing plural gels. 1,822,848; Sept. 8.
Barclay, Gustaf I., Park Ridge, assignor to Detroit Steel Products Company, Detroit, Mich. Window construction. 1,822,004; Sept. 8.
Barclay, Gustaf I., assignor to Detroit Steel Products Company, Detroit, Mich. Window construction. 1,826,861; Oct. 13.
Barclay, Howard J., sr., Spring City, Pa. Garment. 1,809,502; June 9.
Barclay, Isabella, Inc. (See Scholle, Eleanor P., assignor.)
Barclay, John S., London, England. Ship's davit. 1,833,106; Nov. 24.
Barclay, McClelland, New York, N. Y. Ash jar. Des. 85,362; Oct. 20.
Barclay, McClelland, New York, N. Y. Ash receiver or similar article. Des. 85,852; Dec. 29.
Barclay, Nan, New York, N. Y. Ring. Des. 83,945; Apr. 21.
Barclay, William R., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and heel. 1,792,527; Feb. 17.
Barclay, William R., and W. T. B. Roberts, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Fastener-inserting mechanism. 1,829,389; Oct. 27.
Barclay, Wright, New York, N. Y. Automobile body. 1,835,840; Dec. 8.
Barco Brass & Joint Company. (See Pierce, William S., assignor.)
Bard, Albert T., assignor to Reliance Manufacturing Company, Chicago, Ill. Shirt collar. 1,814,818; July 14.
Bard, George M. (See Potter, Oscar, assignor.)
Bardaxoglou, Stanley, Brooklyn, N. Y. Punctureproof resilient tire. 1,788,042; Jan. 6.
Barden, Clifford A., Oberlin, Ohio. Golf score card. Des. 85,853; Dec. 29.
Barden, Clifford A., Oberlin, Ohio. Stingproof baseball glove. 1,797,116; Mar. 17.
Barder, Byron R., Akron, Ohio, assignor to The Biggs Boiler Works Company. Heating apparatus. 1,787,891; Jan. 6.
Bardet, George A. and G. V., Berkeley, assignors to M. J. B. Co., San Francisco, Calif. Feed slide for key-dipping machines. 1,789,722; Jan. 20.

Bardet, George A. and G. V., Berkeley, assignors to M. J. B. Co., San Francisco, Calif. Key dipping machine. 1,818,524; Aug. 11.
Bardet, George V. (See Bardet, G. A. and G. V.)
Bardon, Donis M. (See Von Miller, William J., assignor.)
Bardsley, Harvey H., and W. J. Ehler, Kansasville, Wis. Conveying and gathering mechansm for harvesters and analogous implements. 1,809,542; June 9.
Bardsley, William A., Oaklyn, N. J. Drum support for locomotives. 1,806,516; May 19.
Bardwell, Joseph, and H. G. Prouty, Whitman, Mass. Cotton picking mechanism. 1,834,994; Dec. 8.
Bare, Erwin L., Detroit, Mich., assignor to The Murray Corporation of America. Vehicle body construction. 1,828,017; Oct. 20.
Barefoot, Earl, Mount Vernon, N. Y. Tool. 1,831,900; Nov. 17.
Barefoot, Josie C., Charlotte, N. C. Safety device for use on a dough rolling machine commonly known to the baking industry as a dough brake. 1,804,853; May 12.
Bareham, Nelson. (See Schelle, H. M., Fisher, Bareham, and Savage.)
Barényi, Árpád., Berlin-Lichterfelde, Germany. Photographic shutter. 1,828,215; Oct. 20.
Barganier, James S., Lott, Tex. Combined shade and awning structure for automobile doors. 1,793,731; Feb. 24.
Barhoff, Fred W., assignor to Engineering Products Corporation, Hartford, Conn. Manufacture of storage battery units. 1,811,292; June 23.
Barili, Arthur E. H., Los Angeles, Calif. Spring nut-lock washer. 1,793,453; Feb. 24.
Barish, Thomas, Jamestown, N. Y. Antifriction bearing. 1,793,896; Feb. 24.
Barish, Thomas, assignor to Marlin-Rockwell Corporation, Jamestown, N. Y. Bearing inclosure. 1,823,640; Sept. 15.
Baritone Radio Corporation, et al. (See Macy, Alfred J., assignor.)
Bark, William, Gary, Ind., assignor to National Tube Company. Tube piercing and expanding plug. 1,815,426; July 21.
Bark, William, and J. V. Mazurie, Gary, Ind., assignors to National Tube Company. Plug bar for tube making machines. 1,815,427; July 21.
Barkeij, Jean A. H., Los Angeles, Calif. Gas distribution of eight cylinder motors for the straight type. 1,809,923; June 16.
Barkelew, James T., Pasadena, assignor to J. Grant, Los Angeles, Calif. Expansive rotary underreamer. 1,793,988; Feb. 24.
Barkelew, James T., Lamanda Park, Calif., assignor, by mesne assignments, to Paramount Publix Corporation. Method of modifying photographs by printing. 1,808,743; June 9.
Barker, A. P., et al. (See Williams, French B., assignor.)
Barker, Albert A. S., Southchurch, England. Pocket comb. 1,820,768; Aug. 25.
Barker, Albert A. S., Southchurch, assignor to D. Simpson, London, England. Electrotherapeutic hairbrush. 1,820,769; Aug. 25.
Barker, Albert E. (See Nelson, G. E., and Barker.)
Barker Bros., Incorporated. (See Anderson, Daniel G., assignor.)
Barker, Charles A., Highland Park, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Insulated electrical conductor. 1,809,011; June 9.
Barker, Dyson, assignor to Whitin Machine Works, Whitinsville, Mass. Cotton comber. 1,826,494; Oct. 6.
Barker, Edwin H., Moylan, Pa., assignor to A. H. Wirz, Inc. Threading method and mechanism. 1,805,126; May 12.
Barker, Elsa M., Detroit, Mich. Collapsible automobile closure. 1,788,940; Jan. 13.
Barker, Eros V., assignor to J. F. Martin, Bellevue, Ohio. Luggage carrier. Des. 84,867; Aug. 18.
Barker, Eros V., assignor to The Bellevue Mfg. Company, Bellevue, Ohio. Combined bumper and trunk carrier. 1,812,075; June 30.
Barker, Eugene. (See Speck, W. C., and Barker.)
Barker, Galen D., Dowagiac, Mich. Heater control. 1,833,888; Dec. 1.
Barker, Harry B., Chicago, Ill. Producing illuminated motion effects. 1,821,538; Sept. 1.
Barker, Harry E., and A. F. Baum, assignors to Henry Weis Manufacturing Company, Inc., Elkhart, Ind. Construction unit. 1,829,331; Oct. 27.
Barker, Hilan O., Chicago, Ill. Press. 1,818,837; Aug. 11.
Barker, James, Kalamazoo, Mich. Loose-leaf book. 1,790,693; Feb. 3.
Barker, James, Kalamazoo, Mich. Temporary binder. 1,798,135; Mar. 31.
Barker, Joseph R. (See Curry, B. V., and Barker.)
Barker, Joseph R., Fallbrook, Calif., assignor to B. V. Curry, trustee. Single tandem disk harrow. 1,830,218; Nov. 3.
Barker, Lyle M., assignor to United Verde Copper Company, Clarkdale, Ariz. Reagent feeding. 1,820,210; Aug. 25.
Barker Manufacturing Company, The. (See Zeilinger, John F., assignor.)
Barker, Maurice E., Edgewood, Md. Compensating device for ordnance. 1,801,258; Apr. 21.
Barker, Percy E., assignor, by mesne assignments, to The Cindrella Washing Machine Company, Cleveland, Ohio. Washing machine. Re17,984; Mar. 3.
Barker, Percy E., assignor to The White Motor Company, Cleveland, Ohio. Fluid-pressure elevating mechanism for vehicles. 1,794,822; Mar. 3.
Barker Poultry Equipment Company. (See Bruce, Albert W., assignor.)
Barker, Ray E. (See Imel, C. E., and Barker.)
Barker, Raymond L., Chicago, Ill. Body treating device. Des. 85,076; Sept. 15.
Barker, Robert, Indio, Calif. Supporting structure for fruit pickers. 1,823,385; Sept. 15.
Barker, Robert W., assignor to Hess & Barker, Inc., Philadelphia, Pa. Automatic jacquard punching machine. 1,817,284; Aug. 4.
Barker, William M., Canton, Ohio. Pneumatic separator. 1,792,962; Feb. 17.
Barker, William T., jr. (See Peiler, K. E., and Barker, jr.)
Barker, William T., jr., assignor to Hartford-Empire Company, Hartford, Conn. Mold for shaping hollow glassware and controlling temperature thereof. 1,798,136; Mar. 31.
Barker, William T., jr., assignor to Hartford-Empire Company, Hartford, Conn. Delivery apparatus for molten glass. 1,816,309; July 28.
Barker, William T., jr., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for feeding molten glass. 1,816,463; July 28.
Barker, William T., jr., assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for feeding molten glass. 1,828,216; Oct. 20.
Barker, William T., jr., assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for feeding molten glass. 1,828,217; Oct. 20.
Barker, William T., jr., assignor to Hartford-Empire Company, Hartford, Conn. Glass feeding apparatus and method. 1,833,479; Nov. 24.
Barker, William T., jr., assignor to Hartford-Empire Company, Hartford, Conn. Glass feeding apparatus. 1,835,553; Dec. 8.
Barkis, Bruce, Hermosa Beach, Calif. Casing cutting and pulling tool. 1,789,995; Jan. 27.
Barkis, Frederick I., Long Beach, Calif. Tongs. 1,837,606; Dec. 22.
Barkley, Emmett, Chattanooga, Tenn. Combined lamp stand and plant holder. Des. 84,616; July 14.
Barks, Frank S., St. Louis, Mo. Motor. 1,801,259; Apr. 21.
Barks, Frank S., St. Louis, Mo. Valve. 1,801,407; Apr. 21.
Barks, Farnk S., St. Louis, Mo. Lubricating system. 1,805,303; May 12.
Barkstrom, Agnes, administratrix. (See Barkstrom, Gustaf.)
Barkstrom, Gustaf, deceased, by A. Barkstrom, administratrix, Hinsdale, Ill., assignor, by mesne assignments, to The Locke Steel Chain Company, Bridgeport, Conn. Machine for the manufacture of steel chain. 1,792,061; Feb. 10.
Barkwill, William H., Cleveland, Ohio. Tongue cleaner. 1,811,775; June 23.
Barlatier, André J. R., Los Angeles, Calif. Film moving and viewing apparatus. 1,796,432; Mar. 17.
Barley, Harry, San Francisco, Calif. Oil burner. 1,830,186; Nov. 3.
Barlow, Harry, Port Madison, assignor to Barlow Marine Elevator Co. Inc., Seattle, Wash. Marine elevator. 1,802,042; Apr. 21.
Barlow, Lester P., Detroit, Mich. Engine-cooling system. 1,787,562; Jan. 6.
Barlow, Lester P., Detroit, Mich. Fuel supply system. 1,792,408; Feb. 10.
Barlow, Lester P., Detroit, Mich. Producing compressed starting charges for engines. 1,824,457; Sept. 22.
Barlow, Lester P., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Vapor cooling system for internal combustion engines. 1,806,382; May 19.
Barlow, Lester P., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Ice adhesion breaker for aeroplanes. 1,836,432; Dec. 15.
Barlow Marine Elevator Co. (See Barlow, Harry, assignor.)
Barlow, Worley W., Chuckey, Tenn. Tobacco stick handling device. 1,830,690; Nov. 3.
Barmer Maschinenfabrik Aktiengesellschaft. (See Lenk, Mathias, assignor.)
Barmer Maschinenfabrik Aktiengesellschaft. (See Lenk, Wilhelm, assignor.)
Barna, Andrew, Astoria, N. Y. Shoe-last. 1,183,378; July 7.
Barnack, Oskar, assignor to the firm of Ernst Leitz, Optische Werke, Wetzlar, Germany. Printing apparatus for photographic purposes. 1,796,258; Mar. 10.
Barnard, Charles H., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Switch mounting. 1,789,293; Jan. 20.
Barnard, Daniel P., assignor to Standard Oil Company, Whiting, Ind. Lubricant. 1,796,857; Mar. 17.
Barnard, Edmund J., assignor to Boston Book Binding Company, Inc., Cambridge, Mass. Picture frame and making same. 1,805,436; May 12.

Barnard, Richard G., Upper Burma, British, India, assignor to The Burmah Oil Company Limited, Glasgow, Scotland. Internal pipe cutter or oil well casing cutter. 1,830,524; Nov. 3.
Barnard, Samuel G., Seattle, Wash. Wheeled vehicle. 1,830,048; Nov. 3.
Barnard, Viola, Los Angeles, Calif. Store front. Des. 83,946; Apr. 21.
Barnard, Wilfred K. (See Leeds, C. T., and Barnard.)
Barnebey, Oscar L., Columbus, Ohio, assignor to American Solvent Recovery Corporation. Apparatus for separating and recovering gases. 1,787,714; Jan. 6.
Barnebey, Oscar L., Columbus, Ohio, assignor to American Solvent Recovery Corporation. Recovering solvents 1,811,107; June 23.
Barner, Lawrence D., and G. O. Shelander, Beaumont, Tex. Line changing reel. 1,804,585; May 12.
Barnes, Bayard, deceased, New Haven, Conn., First National Bank and Trust Company of New Haven, Conn., executor. Emulsifying agents, etc. 1,830,502; Nov. 3.
Barnes, Carl B. H., Detroit, Mich. Electrically operated cradle. 1,803,887; May 5.
Barnes, Cecil E., Los Angeles, Calif. Building. 1,808,829; June 9.
Barnes, Charles B., et al., executors. (See Scott, Robert W.)
Barnes, Charles J., Redlands, Calif. Method of and apparatus for making paper. 1,799,350; Apr. 7.
Barnes, Charles J., Redlands, Calif. Tree cover. 1,834,084; Dec. 1.
Barnes Drill Company. (See Johnson, Albert M., assignor.)
Barnes Drill Company. (See Johnson, A. M., and Fairbairn, assignors.)
Barnes, Eugene L., Buffalo, N. Y. Refrigerating apparatus. 1,787,609; Jan. 6.
Barnes, Eugene L., Buffalo, N. Y. Automatic valve. 1,822,917; Sept. 15.
Barnes, Eugene L., Buffalo, N. Y. Refrigerating apparatus. 1,822,918; Sept. 15.
Barnes, Frederick A., assignor to Bailey Meter Company, Cleveland, Ohio. Reversible adjusting mechanism. 1,796,232; Mar. 10.
Barnes, George L., Everett, Wash. Oil burner. 1,793,897; Feb. 24.
Barnes, George L., Los Angeles, Calif. Plaster ring. 1,795,701; Mar. 10.
Barnes, George W., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bed davenport. 1,793,770; Feb. 24.
Barnes, George W., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Safety lock for roller beds. 1,812,853; July 7.
Barnes, George W., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Spring bed bottom. 1,834,920; Dec. 8.
Barnes, Gladeon M., U. S. Army, Hastings, Mich. Cylinder and piston. 1,806,884; May 26.
Barnes, Gladeon M., Hastings, Mich. Gun. 1,808,097; June 2.
Barnes, Harold S., Allentown, Pa. Safety cracker. 1,809,825; June 16.
Barnes, Helen, Butte, Mont. Combined inkwell and penholder. 1,801,188; Apr. 14.
Barnes, Howard D. (See Bausinger, H. C., jr., and Barnes.)
Barnes, Howard T., Montreal, Quebec, Canada, assignor to Union Carbide Company. Treating ice. 1,816,511; July 28.
Barnes, Hugh C., and G. A. Driest, assignors to The American Rolling Mill Company, Middletown, Ohio. Hydraulic scaler. 1,804,735; May 12.
Barnes, James W., Homestead, assignor, by mesne assignments, to National Postage Stamp Machine Corporation, Pittsburgh, Pa. Stamp vending machine. 1,815,343; July 21.
Barnes, John. (See Dell'era, Angelo S., and Barnes.)
Barnes, John A., Chappaqua, assignor to The Superheater Company, New York, N. Y. Superheater for fire-tube boilers and protective means therefor. 1,799,669; Apr. 7.
Barnes, John A., Chappaqua, assignor to The Superheater Company, New York, N. Y. Superheater unit and boiler using same. 1,821,134; Sept. 1.
Barnes, John P. (See Rancorn, J. A., and Barnes.)
Barnes, John S., assignor to W. F. and John Barnes Company, Rockford, Ill. Horizontal boring and tapping machine. 1,809,188; June 9.
Barnes & Jones, Inc. (See Jones, William T., assignor.)
Barnes, Joseph L., Pittsburgh, Pa. Shutter operating means for hoods of automobiles. 1,833,768; Nov. 24.
Barnes, Lawrence J., Dee Why, near Sydney, New South Wales, Australia. Camping equipment for employment in connection with motor vehicles. 1,836,060; Dec. 15.
Barnes, Leslie W., Stratford, Conn. Pouch. 1,814,614; July 14.
Barnes, Marie B., Los Angeles, Calif. Mold. 1,817,339; Aug. 4.
Barnes, Ransom A., Antioch, Calif. Sterilizer kit. Des. 85,276. Oct. 6.
Barnes, Renal J., et al. (See Trowbridge, Charles W., assignor.)
Barnes Scale Company. (See King, Bert W., assignor.)
Barnes, Thomas E., Utica, N. Y. Liquid dispensing spout. 1,816,107; July 28.
Barnes, Uriah L., San Diego, Calif. Show-case top. 1,788,905; Jan. 13.
Barnes, W. F. and John, Company. (See Barnes, John S., assignor.)
Barnes, Wallace Company, The. (See Cook, Raymond W., assignor.)
Barnes, William A., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric room heater. Des. 85,854; Dec. 29.
Barnes, William A., assignor to Dominion Electrical Mfg. Company, Minneapolis, Minn. Electrical cooking appliance. 1,804,196; May 5.
Barnes, William O., Worcester, Mass. Apparatus for the reception of radio messages. 1,811,420; June 23.
Barnett, David E., London, England. Terminal connecter and the like. 1,822,192; Sept. 8.
Barnett, Louis, Brooklyn, assignor to Standard Electric Equipment Corporation, Long Island City, N. Y. Electric fitting. 1,808,011; June 2.
Barnett, Louis, New York, assignor to Standard Electric Equipment Corporation, Long Island City, N. Y. Fixture coupling fitting for outlet boxes. 1,808,012; June 2.
Barnett, Louis, Brooklyn, assignor of one-half to A. Sitzman, Lynbrook, and one-half to A. Hamburger, Flushing, Long Island, N. Y. Sound absorbing construction. 1,825,770; Oct 6.
Barnett, William, Los Angeles, Calif. Nonsinkable lifeboat. 1,801,480; Apr. 21.
Barnett, William, Los Angeles, Calif. Ladder and carrier therefor. 1,829,468; Oct. 27.
Barney, Edwin E., New Rochelle, assignor to Remington Accounting Machine Corporation, New York, N. Y. Computing machine. 1,807,584; June 2.
Barney, Edwin E., New Rochelle, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,807,648; June 2.
Barney, Freeman. (See Lee, J. E., Barney, and Beatty.)
Barney, Freeman, assignor to Challenge Machinery Company, Grand Haven, Mich. Printing press bed movement. 1,816,816; Aug. 4.
Barney, Freeman, assignor to Challenge Machinery Company, Grand Haven, Mich. Brake and clutch mechanism. 1,836,104; Dec. 15.
Barnhart, Clarence V., Waynesboro, Pa. Cultivator. 1,833,149; Nov. 24.
Barnhart, George E. (See Pfaff, H. E., and Barnhart.)
Barnhart, George E., Pasadena, Calif. Archer's bow. 1,810,335; June 16.
Barnhart, Henry T., assignor to Cove Tower Company, Hollidays Cove, W. Va. Tower. 1,816,715; July 28.
Barnhart, Job R., Lakewood, assignor to W. M. Scott, Lakewood, and R. E. Tresise, Cleveland Heights, Ohio. Tube tester. 1,808,013; June 2.
Barnhart, Job R., Lakewood, assignor to The Sterling Manufacturing Company, Cleveland, Ohio. Loud speaker unit and drive mechanism therefor. 1,828,122; Oct. 20.
Barnhart, Nelson M. (See Hedgpeth, Theron L., assignor.)
Barnhart, Reese D., Uniontown, Pa. Spring spreader. 1,808,625; June 2.
Barnhart, Vern A., Millington, assignor to Utility Block, Inc., Newark, N. J. Hollow building block. 1,829,435; Oct. 27.
Barnholdt, Harold L., Pittsburgh, and J. L. Brown, Verona, Pa., assignors to Westinghouse Electric and Manufacturing Company. Fabricated construction. 1,828,275; Oct. 20.
Barnitz, Charles B., Birmingham, Ala. Siphon valve for water-closet tanks. 1,792,624; Feb. 17.
Barnowitz, Harry, Brooklyn, N. Y. Educational game apparatus. 1,816,760; July 28.
Barns, Frederick B., New York, N. Y. Combined building roof and sign viewable from aircraft. 1,796,233; Mar. 10.
Barnsdall Corporation. (See Reichard, Harold D., assignor.)
Barnsteiner, Alfons, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Fuel electric range. Des. 83,243; Feb. 10.
Barnum, Orville G., Moro, Oreg. Internal-combustion engine. 1,792,062; Feb. 10.
Barnum, Thomas E., Wauwatosa, assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 1,789,063; Jan. 13.
Baron, Charles S., Tiffin, Ohio. Food container and closure therefor. 1,836,521; Dec. 15.
Baron von Girsewald, Conway, Frankfort-on-the-Main, and H. Neumark, Wetzlar, Germany, assignors to American Lurgi Corporation, New York, N. Y. Recovery of cadmium from compounds of cadmium and oxygen by distillation. 1,814,023; July 14.
Barone, Anthony, Boston, Mass. Dental elevator. 1,806,592; May 26.
Barone, Salvatore A., Freeport, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Transmission system. 1,820,898; Aug. 25.
Barone, Salvatore A., Woodside, N. Y., assignor, by mesne assignments, to Federal Telegraph Company, San Francisco, Calif. Generating three phase high frequency current. 1,823,851; Sept. 15.
Baronet-Lorna Co. Inc. (See Bihler, Roger, assignor.)

Barota, Laslo, Perryopolis, Pa. Guard booth. 1,827,347; Oct. 13.
Barque Royalty, Inc. (See Kreager, William A. J., assignor.)
Barr, Andrew K., Waukegan, Ill. Hose nozzle. 1,831,586; Nov. 10.
Barr, Archibald, and J. M. Strang, Anniesland, Glasgow, assignors to Barr and Stroud, Limited, Glasgow, Scotland. Optical measuring instrument, such as inclinometers, range finders, height finders, and the like. 1,833,553; Nov. 24.
Barr, Charles S., Shreveport, La. Wall for buildings. 1,831,088; Nov. 10.
Barr, Clarence D., assignor to American Cast Iron Co., Birmingham, Ala. Pipe-heating apparatus. 1,788,611; Jan. 13.
Barr, Daniel R., Grand Rapids, Ohio, assignor to Taylor Instrument Companies, Rochester, N. Y. Barometer for use in connection with diagnostic work. 1,811,168; June 23.
Barr, George A., et al. (See Goetz, George, assignor.)
Barr, Harvey M., New York, N. Y. Salt shaker. Des. 84,453; June 23.
Barr, Harvey M., New York, N. Y. Pepper shaker. Des. 84,454; June 23.
Barr, James W. H., Bournemouth, England. Handling of goods for transport. 1,797,601; Mar. 24.
Barr, John H., Ithaca, N. Y., assignor to Barr-Morse Corporation. Typewriter and the like. 1,800,854; Apr. 14.
Barr, John H., Ithaca, N. Y., assignor to Barr-Morse Corporation. Typewriter and the like. 1,829,390; Oct. 27.
Barr, John L., Chicago, Ill. Sanitary mouthpiece cover. 1,834,199; Dec. 1.
Barr, John M., assignor to The Louis Allis Company, Milwaukee, Wis. Electric switch. 1,793,989; Feb. 24.
Barr, John M., assignor to The Louis Allis Company, Milwaukee, Wis. Variable speed mechanism. 1,814,424; July 14.
Barr, L. L., Co. (See Barr, Louis L., assignor.)
Barr, Louis L., assignor to L. L. Barr Co., Greenville, S. C. Pipe support. 1,817,798; Aug. 4.
Barr, Roy L., assignor of one-third to W. F. Duckwitz, and one-third to H. Van Briggle, Detroit, Mich. Burial vault. 1,828,352; Oct. 20.
Barr, S. M., et al. (See Goetz, George, assignor.)
Barr and Stroud, Limited. (See Barr, A., and Strang, assignors.)
Barr, Thomas B., Hyde, Pa. Casting apparatus. 1,817,340; Aug. 4.
Barrass, Juddson E., Uniontown, Ohio, assignor to The Hoover Company. Handle switch. 1,815,041; July 21.
Barratt, William T., assignor to Charles Cooper Company, Inc., Bennington, Vt. Circular knitting machine. 1,803,833; May 5.
Bar-Ray Products, Inc. (See Lapof, Samuel, assignor.)
Barreaux, Alphonse, Loury, and G. Sarrazin, Orleans, France. Rotary internal combustion engine. 1,825,571; Sept. 29.
Barrel Fitting and Seal Corporation of America. (See Schwartz, Henry, assignor.)
Barrera, Carlos, Jersey City, N. J., assignor of one-fifth to T. E. Cogan, Philadelphia, Pa. Dirigible. 1,835,260; Dec. 8.
Barrerè, Fernand B., Hautaget, France. Power transmission device. 1,811,293; June 23.
Barret, William M., Shreveport, La. Balance indicator. 1,825,172; Sept. 29.
Barrett, Alexander G., Idabel, Okla. Dancing doll. 1,791,700; Feb. 10.
Barrett, Alfred G., and H. H. Burton, Leicester, England. Eliminating brake drum squeaking. 1,801,712; Apr. 21.
Barrett, Arthur M., assignor to Barrett-Cravens Company, Chicago, Ill. Platform. 1,794,665; Mar. 3.
Barrett, Arthur M., Winnetka, assignor to Barrett-Cravens Company, Chicago, Ill. Lift truck. 1,803,688; May 5.
Barrett, Arthur M., Winnetka, assignor to Barrett-Cravens Company, Chicago, Ill. Shop bench. 1,809,153; June 9.
Barrett, Arthur M., Winnetka, assignor to Barrett-Cravens Company, Chicago, Ill. Portable elevator. 1,814,110; July 14.
Barrett, Arthur M., Winnetka, assignor to Barrett-Cravens Company, Chicago, Ill. Lifting truck. 1,829,726; Nov. 3.
Barrett, Charles E., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Indicator for carpet looms. 1,815,822; July 21.
Barrett, Claud H., Long Beach, Calif. Combination capping and packing device. 1,835,261; Dec. 8.
Barrett Company, The. (See Adams, F. W., and Moulson, assignors.)
Barrett Company, The. (See Banta, C., and Hightower, assignors.)
Barrett Company, The. (See Canavan, Edward J., assignor.)
Barrett Company, The. (See Cowdery, Arthur B., assignor.)
Barrett Company, The. (See Cowdery, A. B., and Bulifant, assignors.)
Barrett Company, The. (See Dickson, John V. E., assignor.)
Barrett Company, The. (See Downs, Charles R., assignor.)
Barrett Co., The. (See Ellms, Edward H., assignor.)
Barrett Company, The. (See Harshberger, Norman P., assignor.)
Barrett Company, The. (See Hill, Joseph B., assignor.)
Barrett Company, The. (See Manker, Frank B., assignor.)
Barrett Company, The. (See Miller, Stuart P., assignor.)
Barrett Company, The. (See Moses, F. G., Hess, and Perkins, assignors.)
Barrett Company, The. (See Robert, John, assignor.)
Barrett & Company. (See Robinson, Karl D., assignor.)
Barrett Company, The. (See Smith, Marshall C., assignor.)
Barrett Company, The. (See Wittenberg, Lester, assignor.)
Barrett-Cravens Company. (See Barrett, Arthur M., assignor.)
Barrett, Dwight O., Springfield, Ohio. Starting and controlling mechanism for Diesel engines. 1,831,646; Nov. 10.
Barrett, Frederick W. (See Brassert, H. A., and Barrett.)
Barrett, George E., Fort Wayne, Ind. Vehicle propulsion and steering mechanism. 1,828,638; Oct. 20.
Barrett, George J., Beaumont, and S. Robichaux, Saratoga, Tex. Sample taking device. 1,830,012; Nov. 3.
Barrett, George J., Houston, and S. Robichaux, Saratoga, Tex. Core drill. 1,830,381; Nov. 3.
Barrett, Glenn J., Evanston, Ill., assignor to Portable Adding Machine Company, Syracuse, N. Y. Ribbon feeding and reversing mechanism for adding machines. 1,788,376; Jan. 13.
Barrett, Glenn J., assignor to Portable Adding Machine Company, Chicago, Ill. Manual paper feeding mechanism for adding machines. 1,804,736; May 12.
Barrett, Glenn J., Evanston, assignor to Portable Adding Machine Company, Chicago, Ill. Adding machine. 1,811,840; June 30.
Barrett, Glenn J., Evanston, assignor to Portable Adding Machine Company, Chicago, Ill. Calculating mechanism for adding and listing machines. 1,812,129; June 30.
Barrett, Glenn J., Evanston, assignor to Portable Adding Machine Company, New York, N. Y. Adding and listing machine. 1,812,130; June 30.
Barrett, Glenn J., Evanston, assignor to Portable Adding Machine Company, Chicago, Ill. Paper rewind for adding machines. 1,829,727; Nov. 3.
Barrett, Harold G., Wilmette, Ill., assignor to Pyratone Products Corporation, Chicago, Ill. Rubbing and grinding machine. 1,825,299; Sept. 29.
Barrett, Harvey N. Tiffin, assignor to Dolomite Incorporated, Maple Grove, Ohio. Separating and preparing lime and magnesia. 1,816,996; Aug. 4.
Barrett, James, New York, N. Y. Rim tool. 1,822,643; Sept. 8.
Barrett, Joseph E., Co., The. (See McKenny, Charles A., assignor.)
Barrett, Joseph M., Cleveland Heights, assignor to Bailey Meter Company, Cleveland, Ohio. Balanced valve. 1,813,222; July 7.
Barrett, Joseph M., Cleveland Heights, assignor to Bailey Meter Company, Cleveland, Ohio. Drainage control system. 1,827,453; Oct. 13.
Barrett, Joseph M., Cleveland Heights, assignor to Bailey Meter Company, Cleveland, Ohio. Power plant regulator. 1,831,089; Nov. 10.
Barrett, Joseph M., Fostoria, assignor to The Swarthout Company, Cleveland, Ohio. Boiler feed water control system. 1,824,423; Sept. 22.
Barrett, Leon J., Worcester, Mass. Centrifugal washer and drier. 1,825,651; Oct. 6.
Barrett, Ray W., Kalamazoo, Mich. Load blocking device for freight cars and the like. 1,813,269; July 7.
Barrett, Ray W., Kalamazoo, Mich. Load blocking device for freight cars and the like. 1,838,472; Dec. 29.
Barrett, Wesley M. (See Jensen, Joseph M., assignor.)
Barrett, William E., Flint, Mich. Collapsible bag. 1,811,574; June 23.
Barrier, William C., Fremont, Nebr. Swiveled tool handle. 1,820,211; Aug. 25.
Barringer, Arthur P., Pittsburgh, Pa., and M. A. Jackson, New York, N. Y. Toothbrush case. 1,790,085; Jan. 27.
Barringer, Elmer D., Cleveland, Ohio. Water strip equipment for French windows. 1,789,923; Jan. 20.
Barritt, Robert J., et al. (See Kissinger, Charles V., assignor.)
Barr-Morse Corporation. (See Barr, John H., assignor.)
Barroll, Henry, & Co. Inc. (See Barroll, Henry E., assignor.)
Barroll, Henry E., assignor to Henry E. Barroll & Co., Inc., Chicago, Ill. Bottle. 1,791,787; Feb. 10.
Barroll, Henry E., assignor to H. Barroll & Co. Inc., Chicago, Ill. Pouring nozzle and closure therefor. 1,814,658; July 14.
Barroll, Henry E., assignor to H. Barroll & Co. Inc., Chicago, Ill. Pouring nozzle. 1,814,659; July 14.
Barroll, Henry E., & Co. (See Barroll, Henry E., assignor.)
Barron, Albert M., Philadelphia, Pa. Starting block. 1,793,898; Feb. 24.
Barron, Emma F., Ashland, Pa. Indicating or order card. 1,819,063; Aug. 18.
Barron Gray Packing Company. (See Gardner, George D., assignor.)
Barron, John A. (See Ungerlieder, G., Kenney, and Barron.)
Barrow, E. P., administrator. (See Beach, John R.)
Barrow, Gus N., Los Angeles, Calif. Combined strainer, sifter, and mixer. 1,830,525; Nov. 3.

Barrow, George M., Derry, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,824,766; Sept. 29.
Barrow, George M., Derry, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator connecter. 1,824,767; Sept. 29.
Barrow, Hepburn & Gale. (See Radburne, John W., assignor.)
Barrows, Alford C. (See Langford, G. W., Barrows, and McLean.)
Barrows, Alford C., J. H. McLean, and G. W. Langford, assignors to Economy Baler Company, Ann Arbor, Mich. Baling press. 1,825,173; Sept. 29.
Barrows, Alford C., G. W. Lanford, and J. D. Burby, assignors to Economy Baler Company, Ann Arbor, Mich. Baling press. 1,832,960; Nov. 24.
Barrows, Allan S., Los Angeles, Calif., assignor to The Youngstown Steel Door Co., Cleveland, Ohio. Sliding-door operator. 1,788,184; Jan. 6.
Barrows, Allan S., San Francisco, Calif., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 1,821,491; Sept. 1.
Barrows, Allan S., Los Angeles, Calif., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Dump door for railway cars. 1,827,063; Oct. 13.
Barrows, Allan S., Los Angeles, Calif., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Door. 1,838,731; Dec. 29.
Barrows, Donald S. (See Kadel, B. W., and Barrows.)
Barrows, Donald S., Rochester, N. Y. Car door fastener. 1,817,729; Aug. 4.
Barrows, Donald S., Rochester, N. Y. Pipe organ valve action. 1,821,253; Sept. 1.
Barrows, Donald S., Rochester, N. Y. Removable pipe organ valve. 1,821,285; Sept. 1.
Barrows, Donald S., Rochester, N. Y. Adjustable pipe organ valve. 1,821,286; Sept. 1.
Barrows, Donald S., Rochester, N. Y. Organ stop or coupler actuating means. 1,821,610; Sept. 1.
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Follower block. 1,795,822; Mar. 10.
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,799,078; Mar. 31.
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Striking casting. 1,804,080; May 5.
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Striking casting. 1,804,081; May 5.
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Striking casting. 1,804,082; May 5.
Barrows, Donald S., Rochester, assignor to The Gould Coupler Company, New York, N. Y. Car truck. 1,807,683; June 2.
Barrows, Donald S., Rochester, assignor to The Gould Coupler Company, New York, N. Y. Railway truck. 1,807,684; June 2.
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft key retainer. 1,816,356; July 28.
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft key retainer. 1,827,132; Oct. 13.
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Volute brake mechanism. 1,828,218; Oct. 20.
Barrows, Donald S., Rochester, N. Y., assignor to The Symington Company, New York, N. Y. Car truck. 1,829,578; Oct. 27.
Barrows, Donald S., and E. J. Blake, Rochester, assignors, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Spring tensioning device. 1,837,192; Dec. 22.
Barrows, Stanley H., assignor, by mesne assignments, to California Chemical Corporation, Chicago, Ill. Building construction. 1,820,041; Aug. 25.
Barrows, Stanley H., Chicago, Ill., assignor to California Chemical Corporation, Porterville, Calif. Carpet tacking-strip. 1,833,732; Nov. 24.
Barry, James F., Houston, Tex. Electrically operated safety razor. 1,832,961; Nov. 24.
Barry, James J., Halifax, Nova Scotia, assignor to Maritime Fish Corporation Limited, Montreal, Canada. Skinning machine. 1,813,479; July 7.
Barry, James J., Halifax, Nova Scotia, assignor to Frosted Foods Company, Inc., Dover, Del. Refrigerating apparatus. 1,822,121; Sept. 8.
Barry, James J., Gloucester, Mass., assignor, by mesne assignments, to Frosted Foods Company, Inc., Dover, Del. Washing and brining fish. 1,821,201; Sept. 1.
Barry, James J., and W. T. Murray, Gloucester, Mass., assignors, by mesne assignments, to Frosted Foods Company, Inc., Dover, Del. Preparing food products. 1,815,227; July 21.
Barry, Joseph F., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Clamping device. 1,804,140; May 5.
Barry, Nicholas, Muscatine, Iowa. Solid pressed steel pulley. 1,815,663; July 21.
Barry, Thomas F., and L. Bowen, Muscatine, Iowa. Saw and key. 1,797,117; Mar. 17.
Barry-Wehmiller Machinery Company. (See Herold, J. L., and Dawson, assignors.)
Barry, William A., Philadelphia, Pa. Walking toy. 1,794,136; Feb. 24.
Barry, William O. (See Dunbar, G. S., Nicholson, and Barry.)
Barske, Ulrich, Hanover-Ricklingen, Germany, assignor to the company Hannoversche Maschinenbau-Actien-Gesellschaft vormals George Egestorff (Hanomag), Germany. Fire bridge especially for transportable furnace plants. 1,793,205; Feb. 17.
Barske, Ulrich, Hannover-Ricklingen, assignor to Hannoversche Maschinenbau-Actien-Gesellschaft, vormals Georg Egestorff, Hanover-Linden, Germany. Water boiler particularly for locomotives and locomobiles. 1,795,537; Mar. 10.
Barsky, George, New York, N. Y., and G. B. Walker, Roselle, N. J., assignors to American Cyanamid Company. Floating ores. 1,825,501; Sept. 29.
Barsony, Emery J., Hamtramck, assignor of one-half to M. E. Trapp, Detroit, Mich. Electrically-operated door closing and locking mechanism. 1,788,271; Jan. 6.
Barstow, Edwin O., Midland, assignor to The Dow Chemical Company, Midland, Mich. Increasing anhydrous magnesium chloride content in air dried magnesium chloride. 1,837,353; Dec. 22.
Barstow, Edwin O., and S. B. Heath, assignors to The Dow Chemical Company, Midland, Mich. Cyclic process for producing magnesium. 1,800,589; Apr. 14.
Barstow, Edwin O., and S. B. Heath, assignors to The Dow Chemical Company, Midland, Mich. Dust layer having improved hygroscopic properties. 1,824,588; Sept. 22.
Barstow Stove Company. (See Starr, Clarence D., assignor.)
Barstow, Welch, and F. J. Day, assignors to Pre-Cooling Car Service Co., Los Angeles, Calif. Portable apparatus for conditioning perishable products. 1,811,529; June 23.
Bart, Blasius, East Orange, N. J. Electrolytically formed articles. 1,807,145; May 26.
Bart, Blasius, East Orange, assignor to Precious Metals Developing Co., Inc., Newark, N. J. Method of electro-depositing precious metals and apparatus for practicing the same. 1,837,193; Dec. 22.
Barta, Adolf K., Washington, D. C. Record condensing apparatus. 1,802,315; Apr. 21.
Barta, Joseph, Martins Ferry, Ohio. Tub. 1,805,560; May 19.
Barteit, Ewald A., assignor to The Geometric Tool Co., New Haven, Conn. Nonrotary self-opening die-head. 1,802,103; Apr. 21.
Bartels, Carl. (See Goebel, C. J., and Bartels.)
Bartels, Edward E. (See Holcomb, R. L., and Bartels.)
Bartels, Edward E., assignor to Standard Oil Company, Whiting, Ind. Producing a slurry of lime in oil. 1,823,582; Sept. 15.
Bartels, Elmer L., assignor to The Gleaner Combine Harvester Corporation, Independence, Mo. Grain cutting unit. 1,806,928; May 26.
Bartels, Elmer L., assignor to Gleaner Combine Harvester Corporation, Independence, Mo. Straw spreader. 1,815,042; July 21.
Bartels, Ida M., et al., executors. (See Bartels, Reinhard E.)
Bartels, Reinhard B., Melrose, Mass. Manufacturing shoe shank stiffeners. 1,829,496; Oct. 27.
Bartels, Reinhard B., Marblehead, Mass. Shoe having shank stiffeners and making such shoes. 1,829,497; Oct. 27.
Bartels, Reinhard B., Melrose, Mass. Shoe and shank stiffener therefor. 1,834,930; Dec. 8.
Bartels, Reinhard E., deceased, Lynn, Mass.; I. M. Bartels and R. B. Bartels, executors. Fastening point for shank stiffeners. 1,818,666; Aug. 11.
Bartelstone, Louis, Flatbush, N. Y., assignor, by mesne assignments, to Elbee Holding Corporation, Wilmington, Del. Cellulose method of laminating glass. 1,835,746; Dec. 8.
Bartelstone, Louis, Flatbush, N. Y., assignor, by mesne assignments, to Elbee Holding Corporation, Wilmington, Del. Cellulose acetate method of laminating. 1,835,747; Dec. 8.
Bartelstone, Louis, Flatbush, N. Y., assignor, by mesne assignments, to Elbee Holding Corporation, Wilmington, Del. Apparatus for splice-laminating glass. 1,836,785; Dec. 15.
Barten, Ernst, Buschhutten, near Siegen, Germany. Rolling mill and method. 1,792,458; Feb. 10.
Bartenbach, Herman, Pittsburgh, Pa., assignor to American Telephone and Telegraph Company. Gas-tight plugging of cables and the like. 1,826,716; Oct. 13.
Bartenbach, Herman, Pittsburgh, Pa., assignor to American Telephone and Telegraph Company. Dispensing device. 1,826,717; Oct. 13.
Bartenbach, Herman, Pittsburgh, Pa., and J. B. Spowart, Newark, N. J., assignors to American Telephone and Telegraph Company. Earth auger. 1,789,399; Jan. 20.
Bartenfeld, Wilford G., Lorain, Ohio. Channel construction for the sides of the tanks of vessels. 1,802,165; Apr. 21.
Bartenfeld, Wilford G., Lorain, Ohio. Channel construction for the tops of the tanks of vessels. 1,823,081; Sept. 15.
Barth, Carl. (See Domaschko, Andreas, assignor.)

Barth, Carl A. (See Cherry, M. J., and Barth.)
Barth, Elmer W. (See Rash, Frank J., assignor.)
Barth, Fred W., Lansdale, Pa., assignor to Ambler Asbestos Shingle & Sheathing Company. Apparatus and method for making corrugated sheets. 1,794,435; Mar. 3.
Barth, Hans, New York, N. Y. Piano. 1,815,228; July 21.
Barth, Josef, Dusseldorf-Rath, Germany. Process and apparatus for thickening tube ends. 1,837,097; Dec. 15.
Barth, Oscar R., Detroit, Mich. Magazine pencil. 1,806,580; May 26.
Barthelmie, George. (See Flach, H., and Barthelmie.)
Barthelemy, Henri L., Milan, Italy, assignor to Ruthaldo Company Inc., New York, N. Y. Manufacture of threads, ribbons, films, and the like from solutions of cellulose esters and cellulode ethers. 1,826,718; Oct. 13.
Barthelemy, René, Fontenay-aux-Roses, Seine, assignor to Compagnie pour la Fabrication les Compteurs et Material d'Usines a Gaz, Montrouge, Seine, France. Electrical synchronous braking device. 1,823,779; Sept. 15.
Bartholomay, Edward P., Rochester, N. Y. Gas meter. 1,834,673; Dec. 1.
Bartholomay, Edward P., Rochester, N. Y. Gas meter. 1,835,924; Dec. 8.
Bartholomew, Bert E., assignor to Consolidated Factories Limited, Santa Ana, Calif. Window pulley. 1,806,605; May 26.
Bartholomew, Robb O., et al. (See Warburton, Frank D., assignor.)
Bartholomew, Robert J., Germantown, assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Throwing machine. 1,819,634; Aug. 18.
Bartholomew, Robert J., Germantown, assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Whorl latch. 1,828,993; Oct. 27.
Bartlebaugh, Benjamin C., Wheeling, W. Va. Gas heater. 1,827,379; Oct. 13.
Bartlett, Albert C., and J. W. Ryde, Wembley, England. Electric discharge tube. 1,809,229; June 9.
Bartlett, C. O., & Snow Company, The. (See Jones, Edward N., assignor.)
Bartlett, Edward E., Sapulpa, Okla. Tumbler. Des. 84,775; Aug. 4.
Bartlett, Edward E., Sapulpa, Okla. Pitcher or similar article. Des. 85,077; Sept. 15.
Bartlett, Frederick E., Modesto, Calif. Brooder. 1,798,395; Mar. 31.
Bartlett, F. W., et al. (See Collom, C. B., and Horton, assignors.)
Bartlett, Gad R., Bryantville, Mass. Liquid dispensing apparatus. 1,802,324; Apr. 28.
Bartlett, George M., Hartford, Conn. Making hexachlorethane. 1,800,371; Apr. 14.
Bartlett Hayward Company, The. (See Genter, Albert L., assignor.)
Bartlett Hayward Company, The. (See Jagschitz, K., and Kuehn, assignors.)
Bartlett Hayward Company, The. (See Kuehn, Paul M., assignor.)
Bartlett Hayward Company, The. (See Santos, John R. L., assignor.)
Bartlett Hayward Co., The. (See Wagner, Frederick H., assignor.)
Bartlett, Henry H. (See Percival, H. S., and Bartlett.)
Bartlett, Joseph W. (See Sillers, D. A., Price, and Bartlett.)
Bartlett, Linton G., assignor to W. L. O'Connell, Chicago, Ill. Vehicle wheel. 1,816,820; Aug. 4.
Bartlett, Oscar L., Mound City, Ill. Inserting device for closures of containers. 1,837,891; Dec. 22.
Bartling, Friedrich, Munich, Germany. Rotary furnace. 1,798,649; Mar. 31.
Bartling, Friedrich, Munich, Germany. Apparatus for the distillation of suspended fuel particles. 1,798,995; Mar. 31.
Bartling, Howard G., Chicago, Ill., assignor to Sewall Paint & Varnish Company, Kansas City, Mo. Rubbing machine. 1,797,040; Mar. 17.
Bartling, Howard G., Chicago, Ill., assignor to Sewall Paint & Varnish Company, Kansas City, Mo. Rubbing machine. 1,799,808; Apr. 7.
Barton, Albert J., assignor to Rembrandt Intaglio Printing Company Limited, London, England. Printing cylinder for rotary printing machines. 1,795,702; Mar. 10.
Barton Corporation, The. (See Labisky, A. H., and Zahn, assignors.)
Barton, Edward D., Fountain, Colo. Fender rope fastener. 1,825,612; Sept. 29.
Barton, Francis M., assignor, by mesne assignments, to Scott-Weiss Steel Company, Chicago, Ill. Metallic structural member. 1,804,452; May 12.
Barton, Francis M., assignor, by mesne assignments, to Scott-Weiss Steel Company, Chicago, Ill. Metallic insert for concrete structures. 1,806,662; May 26.
Barton, Frederick C., Schenectady, N. Y., assignor to General Electric Company. Phonograph apparatus. 1,834,886; Dec. 1.
Barton, Graham J., and H. E. Mitchell, Starkville, Miss. Electrical gear shift. 1,794,357; Mar. 3.
Barton, Henry L., assignor, by mesne assignments, to General Motors Research Corporation, Detroit, Mich. Bearings and making them. 1,792,565; Feb. 17.
Barton, John W., assignor to Barton Packer Company, Flint, Mich. Vulcanizer. 1,829,778; Nov. 3.
Barton, Loy E., Collingswood, N. J. Sound propagating device. 1,824,650; Sept. 22.
Barton Packer Company. (See Barton, John W., assignor.)
Barton, Robert B., River Forest, assignor to Elgin National Watch Company, Chicago, Ill. Wrist watch spring strap. 1,806,439; May 19.
Barton, Roger, Chicago, Ill., assignor to Central Scientific Company. Electroscope. 1,815,606; July 21.
Barton, Sidney O., Long Beach, assignor to Pacific Oil Well Cementing Company, Incorporated, Los Angeles, Calif. Plug for cementing wells. 1,822,193; Sept. 8.
Barton, Theophilus F., Upper Montclair, N. J., assignor to General Electric Company. System of electrical distribution. 1,815,823; July 21.
Barton, Theophilus F., Upper Montclair, N. J., assignor to General Electric Company. Electric power system. 1,815,824; July 21.
Bartosz, Joseph A., assignor of one-half to J. Baumgartner, Salem, Oreg. Flax thrasher. 1,835,454; Dec. 8.
Bartow, John B., Oaklyn, N. J., assignor of one-half to C. T. Ludington, Ardmore, Pa. Beacon. 1,834,041; Dec. 1.
Bartram, Thomas W., and D. H. Tompkins, Nitro, W. Va., assignors to The Rubber Service Laboratories Company, Akron, Ohio. Cleaning and preserving of metallic surfaces. 1,808,200; June 2.
Bartsch, Herbert E. (See Nash, C. J., and Bartsch.)
Bartsch, Herbert E., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Angle cock holder. 1,808,516; June 2.
Bartunek, Richard. (See Stöckly, J. J., and Bartunek.)
Bartus, Mike, Harrison City, Pa. Rail joint. 1,828,639; Oct. 20.
Bartusch, Alexander P., Wilkinsburg, and G. V. Jefferson, assignors to The Union Switch & Signal Company, Swissvale, Pa. Time release mechanism. 1,802,367; Apr. 28.
Baruch, Milton, Beverly Hills, Calif., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,819,454; Aug. 18.
Baruch, Milton, Los Angeles, R. E. De Camp, Glendale, and C. P. Walker, assignors to Llewellyn Iron Works, Los Angeles, Calif. Adjusting rope connected with elevator car for orienting a floor controller relative to the car. 1,796,281; Mar. 17.
Baruh, Leo H., Portland, Oreg. Handle member for automobile steering wheels. 1,799,774; Apr. 7.
Barwick, John L., Barwick, Ga. Culvert shovel. 1,795,991; Mar. 10.
Barwood, Leon J., Cambridge, Mass. Washer. 1,814,502; July 14.
Barz, Friedrich, Berlin-Friedenau, Germany, assignor to General Electric Company. Electrical regulating system. 1,834,887; Dec. 1.
Basch, Arthur D. (See Kelly, William J., assignor.)
Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 1,831,901; Nov. 17.
Bäseler, Wolfgang, Munich, Germany. Railway track brake. 1,812,190; June 30.
Baseler, Wolfgang, Munich, and A. Meyer, Berlin-Schoneberg, Germany. Speed responsive apparatus. 1,820,042; Aug. 25.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Brake mechanism. 1,787,563; Jan. 6.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Brake mechanism. 1,797,895; Mar. 24.
Bash, Thomas B., Kansas City, assignor to J. R. Kearney Corporation, St. Louis, Mo. Driving means for guy anchors. 1,803,089; Apr. 28.
Bashara, Samuel F., Houston, Tex. Foot rest for accelerator pedals. 1,802,864; Apr. 28.
Basher, John S. (See Ciraolo, Ferdinand A., assignor.)
Basher, John S. (See Ciraolo, F. A., and Basher.)
Basic Patents Corporation. (See Dormon, James L., assignor.)
Basile, Joseph. (See Frank, B. M., and Basile.)
Basile, Joseph, New York, assignor to Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y. Folding bed structure. 1,838,292; Dec. 29.
Basile, Joseph, New York, assignor to Greenpoint Metallic Bed Co. Inc., Brooklyn, N. Y. Folding couch-bed. 1,838,293; Dec. 29.
Baskerville, John B., assignor to Impactograph Corporation, Roanoke, Va. Impact recorder. 1,820,770; Aug. 25.
Basmadjian, Aronseag, executrix. (See Basmadjian, Paul K.)
Basmadjian, Paul K., deceased, Philadelphia, Pa.; A. Basmadjian, executrix. Cover for pickles, etc. 1,818,924; Aug. 11.
Basola, Anthony, and F. Nemarnick, Long Island City, N. Y. Die nut. 1,803,888; May 5.
Basquin, Olin H. (See Meyercord, G. R., and Basquin.)
Bass, J. C., et al. (See Fells, Joseph M., assignor.)
Bass, James H., Waukee, Iowa. Fence row mower. 1,805,861; May 19.
Bass, Rubin, Brooklyn, N. Y. Vacuum cleaner. 1,833,961; Dec. 1.
Basse, Frederick. (See Tennesse, H., and Basse.)
Basseches, Jacob T., New York, N. Y. Radiopanel. 1,803,310; May 5.

Basseches, Jacob T., New York, N. Y. Record reading device. 1,804,453; May 12.
Bassett, Chas. W., et al. (See Dootson, Norman L., assignor.)
Bassett, Cyrus W. (See Crowell, W. B., and Bassett.)
Bassett, Cyrus W., Maplewood, assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Elevator dispatching system. 1,807,612; June 2.
Bassett, Cyrus W., and H. J. Fear, Montclair, assignors to Elevator Supplies Company, Inc., Hoboken, N. J. System of control for elevators. 1,814,660; July 14.
Bassett, Gerald L., assignor to The Conklin Pen Company, Toledo, Ohio. Fountain pen filling device. 1,828,018; Oct. 20.
Bassett, Gerald L., assignor to The Conklin Pen Company, Toledo, Ohio. Fountain pen filling device. 1,828,019; Oct. 20.
Bassett, Harry P., Cynthiana, Ky. Producing paper stock. 1,792,351; Feb. 10.
Bassett, Harry P., Cynthiana, Ky. Preparing alkali cellulose. 1,831,647; Nov. 10.
Bassett, Orin A., assignor to The National Industrial Laboratories Corporation, Oklahoma City, Okla. Treating metallic articles. 1,811,909; June 30.
Bassett, Preston R. (See Carter, L. F., and Bassett.)
Bassett, Preston R., Rockville Center, assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Projector. 1,788,142; Jan. 6.
Bassett, Preston R., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Signal. 1,797,394; Mar. 24.
Bassett, Preston R., Rockville Center, and C. B. Mills, assignors, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Position comparator. 1,817,907; Aug. 11.
Bassett, Robert S., Buffalo, N. Y. Liquid pump. 1,816,821; Aug. 4.
Bassett, Robert S., Buffalo, N. Y. Liquidometer. 1,832,852; Nov. 24.
Bassett, Rufus C., Burkburnett, Tex. Knee protector. 1,796,234; Mar. 10.
Bassi, Adolph, New York, N. Y., assignor to Chameleon Fountain Pen Corp. Fountain pen. 1,808,489; June 2.
Bassick Company, The. (See Herold, Walter F., assignor.)
Bassick Company, The. (See Martin, Raymond H., assignor.)
Bassick Company, The. (See Moore, Raymond G., assignor.)
Bassick Company, The. (See Sargent, Frank P., assignor.)
Bassick, William R. (See Kincaid, Frank M., assignor.)
Bassick, William R., Wabash, Ind., assignor to Relay Motor Products Corporation. Driving mechanism. 1,802,454; Apr. 28.
Bassière, Jean G., Paris, France. Tubular electric resistance. 1,792,352; Feb. 10.
Bassler, Edwin M., assignor to D. J. Murray Manufacturing Company, Wausau, Wis. Filter. 1,793,449; Feb. 17.
Bast, Frank J., Queens Village, assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Automatic gas valve. 1,801,300; Apr. 21.
Bast, Frank J., Queens Village, assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Recorder controller. 1,837,397; Dec. 22.
Basterreix, Pierre P., Butte, Mont. Electric connecter. 1,796,553; Mar. 17.
Bastian-Blessing Company. (See Bastian, Charles L., assignor.)
Bastian-Blessing Company, The. (See Buttner, William C., assignor.)
Bastian Brothers Company. (See Bott, Joseph, assignor.)
Bastian Brothers Company. (See Voltz, George, assignor.)
Bastian, Charles L., Chicago, Ill. Carburetor. 1,831,522; Nov. 10.
Bastian, Charles L., assignor to The Bastian-Blessing Company, Chicago, Ill. Sirup pump. 1,801,066; Apr. 14.
Bastian-Morley Co. (See Clayton, Mark M., assignor.)
Bastian-Morley Co. (See Eaton, Harold D., assignor.)
Bastian-Morley Co. (See Lonergan, Simon J., assignor.)
Bastian-Morely Company. (See Lonergan, S. J., and Corsbie, assignors.)
Bastian-Morley Co. (See Morley, James P., assignor.)
Bastian-Morley Co. (See Rubel, Abraham L., assignor.)
Bastian, Paul, jr., Stuttgart-Oberturkheim, assignor to the Firm Fortuna-Werke Spezialmaschinenfabrik Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Machine for milling and planing profiled elements of wood, leather, and the like. 1,810,811; June 16.
Bastian, William B., Los Angeles, Calif. Gas heater burner. 1,801,946; Apr. 21.
Bastien, Paul, Lansing, Mich., assignor to Bendix Brake Company, Chicago, Ill. Multiplying segmental brake. Re18,024; Apr. 7.
Bastow, Miles E. (See Shaw, W. J., and Bastow.)
Batchelder, James W., Brookline, Mass. Speed transmission mechanism. 1,806,440; May 19.
Batchelder, Mrs. Vera C. (See Thomas, Leslie J., assignor.)
Batcheldor, William R., Everett, Wash. Change-speed mechanism. 1,799,578; Apr. 7.
Batchell, George W., and F. G. Schwalbe, Toledo, Ohio. Leer. 1,800,203; Apr. 14.
Batcheller, Birney C., Wallingford, Vt., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic despatch system. 1,803,377; May 5.
Batcheller, Clements, Brooklyn, N. Y., assignor, by mesne assignments, to Bemis Industries, Inc., Boston, Mass. Surface coloring bodies. 1,798,996; Mar. 31.
Batcheller, Clements, Brooklyn, N. Y., assignor, by mesne assignments, to Bemis Industries, Inc., Boston, Mass. Surface coloration of bodies. 1,798,997; Mar. 31.
Batcheller, Clements, Brooklyn, N. Y., assignor, by mesne assignments, to Bemis Industries, Inc., Boston, Mass. Shingle and coloration thereof. 1,798,998; Mar. 31.
Batcheller, Clements, Nashua, N. H., assignor to Bemis Industries, Inc., Boston, Mass. Surface coloration of bodies. 1,798,999; Mar. 31.
Batcher, Ralph R., Hollis, N. Y. Magnetic device. 1,805,459; May 12.
Bate, John W., assignor to Walker Manufacturing Company, Racine, Wis. Screw jack. 1,810,118; June 16.
Bate, John W., assignor to Walker Manufacturing Company, Racine, Wis. Screw jack. 1,815,885; July 21.
Bateman, Arthur T., and A. Irvine, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Mold. 1,805,200; May 12.
Bateman, Arthur T., and A. Irvine, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Molding apparatus. 1,818,667; Aug. 11.
Bateman, Arthur T., and A. Irvine, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Permanent mold. 1,834,996; Dec. 8.
Bateman, Charles S., et al. (See Wagner, James S., assignor.)
Bateman, Harry M., Burwood, New South Wales, Australia. Metal holdfast. 1,788,820; Jan. 13.
Bateman, Hartly L., Fredonia, Kans. Street marker. 1,833,198; Nov. 24.
Batenburg, Peter J. F., Racine, and C. J. Atkinson, Milwaukee, Wis.; said Atkinson assignor to said Batenburg. Electroplating device. 1,787,431; Jan. 6.
Bates, Adelmer M., deceased, by C. H. Bates, administratrix, Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Method of and apparatus for applying coating. 1,805,070; May 12.
Bates, Adelmer M., Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Sealed package and making the same. 1,809,103; June 9.
Bates, Albert H., assignor, by mesne assignments, to Liberty Foundries Company, Rockford, Ill. Heat control for car heaters. 1,830,691; Nov. 3.
Bates, Albert H., assignor by mesne assignments, to Liberty Foundries Company, Rockford, Ill. Heater. 1,834,674; Dec. 1.
Bates, Albert H., assignor to Burd High Compression Ring Company, Rockford, Ill. Heating system for automotive vehicles. 1,837,647; Dec. 22.
Bates, Albert J., jr. (See Bates, Albert J. and A. J., jr.)
Bates, Albert J., Chicago, Ill., assignor, by mesne assignments, to Bates Expanded Steel Corporation, East Chicago, Ind. Lath fastener. 1,805,797; May 19.
Bates, Albert J., jr., Chicago, Ill., assignor, by mesne assignments, to Bates Expanded Steel Corporation, East Chicago, Ind. Expanded metal joist. 1,822,331; Sept. 8.
Bates, Albert J., jr., Chicago, Ill., assignor to Bates Expanded Steel Corporation, East Chicago, Ind. Joist bridging. 1,822,332; Sept. 8.
Bates, Albert J. and A. J., jr., Chicago, Ill., assignors, by mesne assignments, to Bates Expanded Steel Corporation, East Chicago, Ind. Joist. 1,790,495; Jan. 27.
Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,813,983; July 14.
Bates, Azariah M., Downs, Kans. Poster rolling and moistening machine. 1,818,451; Aug. 11.
Bates, Charles F. W., Cleveland Heights, assignor to The Ohio Instrument Manufacturing Company, Cleveland, Ohio. Electrical contact terminal. 1,807,581; June 2.
Bates, Clara H., administratrix. (See Bates, Adelmer M.)
Bates, Don M., and H. W. Coburn, Huntington, W. Va. Powder dispenser. 1,813,835; July 7.
Bates, Edmond E., Winchester, Mass., assignor to American Meter Co., New York, N. Y. Gas meter. 1,801,896; Apr. 21.
Bates, Emile B., Leicester, England. Drying and finishing machine. 1,789,093; Jan. 13.
Bates, Emile B., Leicester, England. Fabric drying and finishing machines. 1,808,879; June 9.
Bates Expanded Steel Corporation. (See Bates, Albert J., jr., assignor.)
Bates Expanded Steel Corporation. (See Bates, Albert J. and A. J., jr., assignors.)
Bates, George G., Kingston, N. Y. Fruit sorter and cleaner. 1,811,991; June 30.
Bates, Harry H., Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Registering mechanism for compressor or like apparatus. 1,834,042; Dec. 1.
Bates, Herbert L. (See Molk, J. A., and Bates.)
Bates, John, Beaumaris, Victoria, Australia. Hand operated load lifting device. 1,815,825; July 21.

Bates, John S., H. S. Chalmers, and P. C. Austin, Bathurst, New Brunswick, Canada; said Chalmers and Austin assignors to said Bates. Causticizing. 1,815,646; July 21.
Bates, Joseph H., Liverpool, England. Machine for making wafer biscuits and the like. 1,798,515; Mar. 31.
Bates, Lee O., Dallas, Tex. Clay ball disintegrator. 1,828,589; Oct. 20.
Bates, Mortimer F. (See Carter, L. F., and Bates.)
Bates, Mortimer F., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Automatic pilot. 1,793,433; Feb. 17.
Bates, Mortimer F., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Power transmission. 1,803,834; May 5.
Bates, Mortimer F., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Regulating system. 1,825,139; Sept. 29.
Bates, Mortimer F., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Gun fire control system. 1,829,181; Oct. 27.
Bates, Ralph E., West Medford, Mass. Baseball game. 1,819,219; Aug. 18.
Bates, Ralph E., West Medford, Mass., assignor to Williams, White & Company, Moline, Ill. Pneumatic power hammer. 1,793,206; Feb. 17.
Bates, Ralph I. (See Chryst, W. A., and Bates.)
Bates, Ralph I., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Double acting valve for shock absorbers. 1,835,110; Dec. 8.
Bates, Richard W., Alameda, Calif. Smoke producing agent for use with golf balls. 1,819,352; Aug. 18.
Bates Valve Bag Corporation. (See Peterson, William R., assignor.)
Bates Valve Bag Corporation. (See Thiem, Eugene T., assignor.)
Bates, Walter, Steel Corporation. (See Bates, Walter A., assignor.)
Bates, Walter A., assignor to Walter Bates Steel Corporation, Gary, Ind. Expanded-metal structure. 1,788,145; Jan. 6.
Bates, Walter A., assignor to Gary Structural Steel Company, Gary, Ind. Expanded-metal structure. 1,796,978; Mar. 17.
Bates, Walter A., assignor to Gary Structural Steel Company, Gary, Ind. Grate making apparatus. 1,838,732; Dec. 29.
Bates, William A., Stoneham, Mass. Coupling. 1,800,045; Apr. 7.
Bath, John. (See Allison, Harvey M., assignor.)
Bath, John. (See Walker, Ernest A., assignor.)
Bath, John. (See Walker, E. A., and Allison, assignors.)
Bath, John, Worcester, Mass. Wheel truing device. 1,832,684; Nov. 17.
Bath, Wilmer H., West Conshohocken, assignor to The Sharples Specialty Company, Philadelphia, Pa. Liquid seal. 1,806,929; May 26.
Bathen, John A., and W. F. Ingraham, jr., assignors of one-third to A. D. Bland, Sioux City, Iowa. Strainer. 1,813,136; July 7.
Bathrick, Walter H., Boston, Mass. Dynamic speaker. 1,834,995; Dec. 8.
Batina, Charles C., Chicago, Ill. Washing machine. 1,805,862; May 19.
Bat-Les-Lite Corporation. (See Smith, Mildred A., assignor.)
Batsel, Max C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio frequency transformer. 1,795,823; Mar. 10.
Batsell, John T., St. Joseph, Mo. Disappearing ironing board. 1,803,162; Apr. 28.
Batson, Louis P., Greenville, S. C. Loom temple. 1,826,862; Oct. 13.
Battams, Francis J., Rhyl, Wales. Bow guide. 1,788,700; Jan. 13.
Battegay, Constant, Levallois-Perret, France. Self-oscillating electric clock. 1,826,719; Oct. 13.
Batterman, Elmer F., and J. Verderber, Cleveland, Ohio. Center drive lathe. 1,833,601; Nov. 24.
Batterman, Elmer F., East Cleveland, and J. Verderber, assignors to The Cleveland Universal Jig Company, Cleveland, Ohio. Tail stock. 1,833,602; Nov. 24.
Battey, Bryan M., New York, N. Y. Timing device for talking motion pictures and the like. 1,833,015; Nov. 24.
Battey, William A., Haverford, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y. Hammer crusher. 1,803,585; May 5.
Battey, William A., Haverford, J. E. Stine, Aldan, Pa., and G. W. Borton, New Lisbon, N. J., assignors to Pennsylvania Crusher Company, New York, N. Y. Hammer crusher. 1,813,836; July 7.
Battig, Rudolf E., Sodingen, Germany, assignor to the Firm Patentverwertungs A. G. "Alpina", S. A. pour l'Exploitation de Brevets "Alpina", Patents Exploitation, Cy. "Alpina" Ltd., Basel, Switzerland. Production of hydrogen. 1,831,943; Nov. 17.
Battilani, Stefano, New York, N. Y. Shoe-tree. 1,800,335; Apr. 14.
Battilani, Stefano, New York, N. Y. Apparatus for producing rubber having air cells. 1,818,372; Aug. 11.
Battner, Stephen, assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Expression device for musical instruments. 1,820,865; Aug. 25.
Batts, John E., Chicago, Ill. Power transmission gearing. 1,826,703; Oct. 13.
Batts, John Thomas, Pasadena, Calif. Packing box for clothing. 1,836,433; Dec. 15.
Batz, George C., Topeka, Kans. Sound-insulated spring clip. 1,793,771; Feb. 24.
Bauch, Kurt. (See Arnstein, K., Helma, and Bauch.)
Bauch, Kurt, and P. Helma, assignors to Goodyear-Zeppelin Corporation, Akron, Ohio. Nonrigid airship. 1,800,174; Apr. 7.
Bauck, Theodore H., assignor to The E. J. Manville Machine Company, Waterbury, Conn. Safety means for blank feeding mechanism. 1,803,992; May 5.
Bauckman, Flora M., West Somerville, Mass. Breast support. 1,815,697; July 21.
Bauder, Don C., Hutchinson, Kans. Food display case. 1,831,698; Nov. 10.
Bauder, Ray E. (See Hunker, Paul A., assignor.)
Bauder, Ray E., Chicago, Ill. Visible file. 1,822,878; Sept. 15.
Baudino, James G., Milford, Utah. Pinion nut sheller. 1,808,744; June 9.
Baudry De Saunier, Charles L., Paris, France. Electric current plug. 1,832,757; Nov. 17.
Baudry, René A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Large, high speed rotor. 1,817,054; Aug. 4.
Bauer, A. G. (See Schori, Fritz, assignor.)
Bauer, Albert W., assignor to Speedaumat Manufacturing Company, Chicago, Ill. Apparatus for recording business transactions. 1,790,788; Feb. 3.
Bauer Brothers Company, The. (See Hussey, Erwin H., assignor.)
Bauer Brothers Company, The. (See Iglehart, Richard S., assignor.)
Bauer, Charles G., assignor to Julius Kaplan, Brooklyn, N. Y. Garment hanger. 1,791,021; Feb. 3.
Bauer, Charles H., Company. (See Bauer, C. H., and Roberts, assignors.)
Bauer, Charles H., and C. Roberts, New York, N. Y., assignors to Charles H. Bauer Company. Advertising device. 1,793,302; Feb. 17.
Bauer, Edward, assignor, by mesne assignments, to Bucyrus-Erie Company, Milwaukee, Wis. Excavator. 1,813,110; July 7.
Bauer, Edward C., Cincinnati, Ohio. Glider. 1,810,997; June 23.
Bauer, Eugene C., assignor to Kensington Steel Company, Chicago, Ill. Link belt tread for vehicles. 1,835,627; Dec. 8.
Bauer, Fritz, Stuttgart, Germany. Aircraft. 1,838,354; Dec. 29.
Bauer, George A., Baltimore, Md. Stencil for decorating china ware and pottery. 1,822,986; Sept. 15.
Bauer, Gustav, Hamburg, Germany. Superheater for water tube boilers. 1,805,967; May 19.
Bauer, Gustav, Hamburg, and C. Schmieske, Bremen, Germany. Supply conduit for steam and gas turbines. 1,809,666; June 9.
Bauer, Gustav F. C., Tonawanda, assignor to National Police Signal Company, Buffalo, N. Y. Recording apparatus. 1,793,042; Feb. 17.
Bauer, Gustav F. C., Tonawanda, assignor to National Police Signal Company, Buffalo, N. Y. Police signal system. 1,797,281; Mar. 24.
Bauer, Henry W. (See Zimmerer, F. J., and Bauer.)
Bauer, Herman, Stuttgart, Germany. Machine for sorting feathers. 1,833,927; Dec. 1.
Bauer, Hermann, Stuttgart, Germany. Machine for classing bed feathers. 1,800,493; Apr. 14.
Bauer, Hugo. (See Kolle, W., Hallensleben, Streitwolf, and Bauer.)
Bauer, John A., assignor to The Lamson Company, Syracuse, N. Y. Separator for pneumatic dispatch systems. 1,791,460; Feb. 3.
Bauer, Jordan, Wurttemberg, and A. Umbach, assignors to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Complete filling and emptying of receptacles, such as dust-carts. 1,831,648; Nov. 10.
Bauer, Joseph. (See Babst, J. C., Fisch, and Bauer.)
Bauer, Joseph K., Chicago, Ill. Picture making apparatus. 1,830,634; Nov. 3.
Bauer, Karl, and Eugen Kade, Bronx, N. Y. Universal kitchen tong. 1,806,441; May 19.
Bauer, Paul S., Cambridge, Mass. Electric meter. 1,820,212; Aug. 25.
Bauer, Robert, and G. J. Ludwig, Grand Rapids, Mich. Percolating apparatus. 1,805,159; May 12.
Bauer, Walter, assignor to Röhm & Haas Aktiengesellschaft, Darmstadt, Germany. Producing acrylic acid esters. 1,829,208; Oct. 27.
Bauer, Wilhelm, et al. (See Herz, R., Bauer, and Steiger.)
Bauer, Wilhelm. (See Rösch, G., and Bauer.)
Bauer, Wilhelm, Wiesdorf-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New thionaphthene-indoleindigo dyestuffs. 1,801,713; Apr. 21.
Bauer, Wilhelm, and L. Zeh, Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulphuric acid ester of the leuco compound of a vat dyestuff. 1,826,720; Oct. 13.
Bauer, Wilhelm, and L. Zeh, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Indigoid dyestuff. 1,826,721; Oct. 13.

Bauer, William, Neenah, Wis., assignor, by mesne assignments, to International Cellucotton Products Co., Chicago, Ill. Pad-making machine. 1,794,358; Mar. 3.
Bauer, William C., Evanston, Ill. Fire extinguisher. 1,823,882; Sept. 22.
Bauer, William J., New York, N. Y. Collapsible chair. 1,789,295; Jan. 20.
Bauer, William J., New York, N. Y. Collapsible table. 1,820,592; Aug. 25.
Bauer, William J., assignor to Project Holding Corporation, New York, N. Y. Collapsible arm chair. 1,808,201; June 2.
Bauerle, Robert, Chicago, assignor, by mesne assignments, to Kewanee Machinery & Conveyor Co., Kewanee, Ill. Car loader. 1,797,565; Mar. 24.
Bauersfeld, Walther, and H. Hartinger, assignors to the firm Carl Zeiss, Jena, Germany. Apparatus for testing light sense. 1,795,752; Mar. 10.
Bauersfeld, Walther, Jena, and O. von Gruber, Stuttgart, assignors to the Firm Carl Zeiss, Jena, Germany. Stereophotogrammetric measuring appliance. 1,798,396; Mar. 31.
Bauersfeld, Walther, and M. Hübschmann, assignor to the Firm Carl Zeiss, Jena, Germany. Microscope tube. 1,807,613; June 2.
Bauersfeld, Walther, and B. Gerstenberger, assignors to the Firm: Carl Zeiss, Jena, Germany. Apparatus for episcopic projection. 1,807,614: June 2.
Bauersfeld, Walther, and H. Hartinger, assignors to the Firm Carl Zeiss, Jena, Germany. Illuminating arrangement. 1,822,076; Sept. 8.
Baugh, Harry J., and F. E. Kling, Youngstown, Ohio. Conveying and dumping apparatus. 1,837,098; Dec. 15.
Baugh, Homer G., Chicago, Ill. Multiple blade propeller. 1,819,728; Aug. 18.
Baugh, Thomas J., Hopkinsville, Ky. Automobile traffic signal. Des. 85,458; Nov. 3.
Baughman, George W., Pittsburgh, Pa. Electrical controlling apparatus. 1,794,508; Mar. 3.
Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,797,314; Mar. 24.
Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,810,939; June 23.
Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,810,940; June 23.
Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,814,581; July 14.
Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Track circuits for alternating current electric railways. 1,815,031; July 21.
Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 1,827,772; Oct. 20.
Baughman, Homer L., et al. (See Birtciel, Joseph S., assignor.)
Baughn, Charles B., Visalia, Calif. Propeller. 1,834,888; Dec. 1.
Baughn, Samuel C., Springfield, assignor to Eli Trimble, Seymour, Mo. Weightless window. 1,822,949; Sept. 15.
Baulino, Carlo, Genoa, Italy. Comparing the fuel consumption of the separate cylinders of engines for registering purposes. 1,790,968; Feb. 3.
Baum, Arthur F. (See Barker, H. E., and Baum.)
Baum, August, Chicago, Ill. Hot-air motor. 1,788,558; Jan. 13.
Baum, David. (See Mansker, A., and Baum.)
Baum, Erich. (See Herrmann, W. O., Deutsch, and Baum.)
Baum, Ewald G., Natick, Mass., assignor, by mesne assignments, to American Seal-Kap Corporation, Long Island City, N. Y. Cap feeding mechanism for bottle cappers. 1,811,344; June 23.
Baum, Frank G., Lugano, Switzerland. Internal-combustion engine. 1,795,466; Mar. 10.
Baum, Frank G., Cassel, Calif. Cooling rotating electric machines. 1,802,865; Apr. 28.
Baum, Frank G., San Francisco, Calif., assignor to Westinghouse Electric and Manufacturing Company. Insulating device. 1,811,530; June 23.
Baum, Gustav, Weissenstein-on-the-Drau, Austria, assignor to The Niagara Electro Chemical Company, Inc., New York, N. Y. Electrolytic process and apparatus. 1,837,177; Dec. 15.
Baum, Howard W., Kearny, N. J. Cable guard. 1,826,978; Oct. 13.
Baum, Isaac A., Chicago, Ill. Device for securing intersecting metal frames. 1,788,143; Jan. 6.
Baum, Isaac A., Chicago, Ill. Corner connection for door frames. 1,788,144; Jan. 6.
Baum, Isaac A., Chicago, Ill. Doorframe. 1,792,725; Feb. 17.
Baum, Isaac A., Chicago, Ill. Corner connection for frames. 1,795,326; Mar. 10.
Baum, Isaac A., Chicago, Ill. Plaster-board-fastening clip. 1,800,204; Apr. 14.
Baum, Isaac A., Chicago, Ill. Metal buck and wood jamb. 1,805,030; May 12.
Baum, Isaac A., Chicago, Ill. Reenforced metal jamb construction. 1,805,031; May 12.
Baum, Isaac A., Chicago, Ill. Metal jamb. 1,807,959; June 2.
Baum, Isaac A., Chicago, Ill. Corner connection for metal frames. 1,808,336; June 2.
Baum, Isaac A., Chicago, Ill. Plaster anchor. 1,808,337; June 2.
Baum, Isaac A., Chicago, Ill. Frame for all plaster walls. 1,808,338; June 2.
Baum, Isaac A., Chicago, Ill. Corner connection for frames. 1,808,490; June 2.
Baum, Isaac A., Chicago, Ill. Metal frame and anchor. 1,808,753; June 9.
Baum, Isaac A., Chicago, Ill. Metal corner connection. 1,808,754; June 9.
Baum, Isaac A., Chicago, Ill. Metal and wood frame. 1,813,223; July 7.
Baum, Isaac A., Chicago, Ill. Door silencer. 1,813,224; July 7.
Baum, Isaac A., Chicago, Ill. Plaster anchor. 1,813,225; July 7.
Baum, Isaac A., Chicago, Ill. Door framing. 1,821,254; Sept. 1.
Baum, Isaac A., Chicago, Ill. Corner connection for metal frames. 1,826,981; Oct. 13.
Baum, Isaac A., Chicago, Ill. Unitary frame for openings. 1,835,586: Dec. 8.
Baum, Isaac A., Chicago, Ill. Combined plaster terminal and molding. 1,835,587; Dec. 8.
Baum, Isaac A., Chicago, Ill. Metal frame. 1,837,747; Dec. 22.
Baum, Isaac A., Chicago, Ill. Transom bar. 1,837,748; Dec. 22.
Baum, Isaac A., Chicago, Ill. Metal buck and trim. 1,838,129; Dec. 29.
Baum, Jerome E., New York, N. Y. Paper roll container. Des. 84,805; Aug. 11.
Baum, W. A., Co. (See Baum, William A., assignor.)
Baum, William A., assignor to W. A. Baum Co. Inc., New York, N. Y. Manometer. 1,821,902; Sept. 1.
Bauman, Frank, Honesdale, Pa. Flyer mount. 1,795,160; Mar. 3.
Bauman, Fritz. (See Mieg, W., and Bauman.)
Bauman, Gustave A., Burlingame, Calif. Open mouth bag. 1,817,868; Aug. 4.
Bauman, Joseph J., Chicago, Ill. Cosmetic jar. Des. 84,455; June 23.
Baumann, Adolf. (See Watters, L. A., Baumann, and Horlacher.)
Baumann, Adolf, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Regulating means for blowers. 1,833,064; Nov. 24.
Baumann, Alfred E., Milwaukee, Wis. Radio frequency coil. 1,813,137; July 7.
Baumann, Arnold W., Chicago, Ill. Evaporating apparatus. 1,791,262; Feb. 3.
Baumann, Arthur, et al. (See Omenitsch, Hans., assignor.)
Baumann, Fritz, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Anthraquinonyl carbazoles. 1,791,184; Feb. 3
Baumann, Fritz, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New vat dyestuffs of the dianthraquinonylamine carbazole series. 1,819,014; Aug. 18.
Baumann, Harry R. (See Wiehl, Andrew M., assignor.)
Baumann, Herman J., West New York, N. J. Window shade roller. 1,821,687; Sept. 1.
Baumann, John. (See Müller, John H., assignor.)
Baumann, Karl, Urmston, England, assignor to Westinghouse Electric & Manufacturing Company. Labyrinth gland packing. 1,810,371; June 16.
Baumann, Karl. Urmston, England, assignor to Westinghouse Electric & Manufacturing Company. Labyrinth packing. 1,831,224; Nov. 10.
Baumann, Max C., Coburg, Germany. Artificial snow and making the same. 1,800,187; Apr. 7.
Baumbach, John G., Norwalk, Conn. Head-rod holder. 1,799,839; Apr. 7.
Baumbach, John G., South Norwalk, Conn. Worm gear operating means for awnings. 1,833,452; Nov. 24.
Baumbach, John G., Norwalk. Conn. Worm and gear housing. 1,833,480; Nov. 24.
Baumberger, William J. (See Yerk, H. H., and Baumberger.)
Baumberger, William J., Davenport, assignor to Micro Machine Company, Bettendorf, Iowa. Grinding machine. 1,828,384; Oct. 20.
Baumgardner, Harold K., et al., administrators. (See Secrest, Harry O.)
Baumgarten, Emanuel, Washington, D. C., assignor to Velvet Pad and Ink Co. Resilient stamp pad. 1,796,137; Mar. 10.
Baumgarten, John C., assignor of one-half to O. A. Samson, Portland, Oreg. Bookmark. 1,790,649; Feb. 3.
Baumgarten, Paul, Berlin-Halensee, assignor to "Baga" G. m. b. H., Berlin, Germany. Clock. 1,822,195; Sept. 8.
Baumgarten, Richard, Erfurt, and W. Hesselmann, Berlin, assignors to the Firm Aeg-Deutsche Werke Aktiengesellschaft, Erfurt, Germany. Bookkeeping machine. 1,790,298; Jan. 27.
Baumgarten, Samuel L., Brooklyn, N. Y. Educational device. 1,837,194; Dec. 22.
Baumgartner, Ernst, Kladno, Czechoslovakia. Operation of blast furnaces. 1,819,064; Aug. 18.

Baumgartner, Godfrey, Astoria, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,824,589; Sept. 22.
Baumgartner, Henry H., Belleville, N. J., assignor to Drake
Baumgartner, Joe. (See Bartosz, Joseph A., assignor.) Non-Clinkering Furnace Block Company, Inc., New York, N. Y. Air cooled furnace wall. 1,812,315; June 30.
Baumgartner, John H., assignor to C. Doering and H. Doering, Chicago, Ill. Pasteurizing dairy products. 1,802,455; Apr. 28.
Baumgartner, Otto, Wollinsen, Switzerland. Vaporizer for internal combustion engines. 1,805,304; May 12.
Baumwollspinnerei, Gronau. (See Stroink, Herbert, assignor.)
Baur, Ottmar, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Injection pump. 1,831,649; Nov. 10.
Baur, Ottmar, Stuttgart, Germany, assignor to Acro Aktiengesellschaft, Kussnacht-on-Rigi, Switzerland. Internal combustion engine. 1,832,758; Nov. 17.
Baur, Walter, Cologne-Braunsfeld, Germany. Coating bodies of iron, wood, or other material. 1,795,703; Mar. 10.
Baur, Walter, Cologne-Braunsfeld, Germany. Coating of bodies with metal. 1,823,869; Sept. 15.
Bauriedel, Gotthard, Barmen, and W. Fichthorn, Elberfeld, Germany, assignors to the Firm American Bemberg Corporation, New York, N. Y. Fastening device for spinning centrifuges used in the production of artificial silk. 1,822,194; Sept. 8.
Bauroth, Frederick A. (See Jenkins, W. J., and Bauroth.)
Bauroth, Walter J., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Electric switch. 1,811,294; June 23.
Bauroth, Walter J., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Trolley harp. 1,821,423; Sept. 1.
Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)
Bausch & Lomb Optical Company. (See Day, G. H., and Tapner, assignors.)
Bausch & Lomb Optical Company. (See Forrest, John W., assignor.)
Bausch & Lomb Optical Company. (See Foster, L. V., assignor.)
Bausch & Lomb Optical Company. (See Foster, Leon V., assignor.)
Bausch & Lomb Optical Company. (See Lemke, Paul F., assignor.)
Bausch & Lomb Optical Company. (See Loeser, E. O., and Gallasch, assignors.)
Bausch & Lomb Optical Company. (See Martin, Allan F., assignor.)
Bausch & Lomb Optical Company. (See McCabe, Joseph J., assignor.)
Bausch & Lomb Optical Company. (See Morris, Edward M., assignor.)
Bausch & Lomb Optical Company. (See Patterson, William L., assignor.)
Bausch & Lomb Optical Company. (See Teague, Walter D., assignor.)
Bausch & Lomb Optical Company. (See Trautmann, Otto E., assignor.)
Bausch & Lomb Optical Company. (See Wittig, Carl H. O., assignor.)
Bausch, Viktor, jr., Berlin, Germany. Photographic film and making the same. 1,787,564; Jan. 6.
Baush Machine Tool Company. (See Haskell, George D., assignor.)
Baush Machine Tool Company. (See Miner, William H., assignor.)
Baush Machine Tool Company. (See Smeuninx, Bernard L., assignor.)
Bausher, Harry, Montclair, N. J. Indentifier for toothbrushes and the like. 1,811,660; June 23.
Bausinger, Henry C., jr., Bucyrus, and H. D. Barnes, Kent, assignors of eighteen and three-fourths per cent to J. O. Turner, eighteen and three-fourths per cent to W. G. Baier, and eighteen and three-fourths per cent to G. W. Faulkner, Bucyrus, Ohio. Fork attachment for looms. 1,796,858; Mar. 17.
Bausman, Alonzo L., Springfield, Mass. Coffee making machine. 1,813,872; July 7.
Bausman, Alonzo L., Springfield, Mass. Collar and cuff ironing machine. 1,823,482; Sept. 15.
Bausman, Alonzo L., Springfield, Mass. Transfer device. 1,823,483; Sept. 15.
Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Confection coating and decorating machine. 1,813,655; July 7.
Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Confection making machine. 1,826,980; Oct. 13.
Bauwens, Seraphine F., Chicago, assignor to L. G. Blessing, Evanston, Ill. Fluting machine. 1,806,885; May 26.
Bawlf, Vernan, Malott, Wash. Water wheel. 1,789,130; Jan. 13.
Baxenden, Thomas G., Watford, and J. R. Collyear, Bushey, England. Metallic spool. 1,794,054; Feb. 24.
Baxenden, Thomas G., Watford, and J. R. Collyear, Bushey, England. Metal spool. 1,825,044; Sept. 29.
Baxtarr, John E., Seattle, Wash. Scissors. 1,789,801; Jan. 20.
Baxter, Charles, Clapham, London, England. Compressor. 1,797,493; Mar. 24.
Baxter, Elizabeth D., Battle Creek, Iowa. Baby's canopy. 1,792,799; Feb. 17.
Baxter, Harry M., et al., coreceivers. (See Green, Clifford H., assignor.)
Baxter, William C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon heel blanks. 1,799,275; Apr. 7.
Baxter, William C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Splitting machine. 1,814,111; July 14.
Baxter, William C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Splitting machine. 1,836,149; Dec. 15.
Baxter, William M., assignor to Eskimo Pie Corporation, Louisville, Ky. Waste vaporizer. 1,788,226; Jan. 6.
Bay, Charles A., Morristown, N. J. Electrical connecters. 1,823,677; Sept. 15.
Bay, Charles A., Morristown, N. J., assignor to James R. Kearney Corporation, St. Louis, Mo. Tool and jig for cable work. 1,829,033; Oct. 27.
Bayan, Lawrence M., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 84,506; June 30.
Bayan, Lawrence M., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 84,507; June 30.
Bayant, Manton B., and W. J. Beatty, Detroit, Mich. Welding. 1,808,205; June 2.
Bayard, Morris L., and M. Harvey, Philadelphia, Pa., assignors to The Blaisdell Filtration Company, New York, N. Y. Tractor-belt drive. 1,800,979; Apr. 14.
Bay City Shovels, Inc. (See Kerr, John M., assignor.)
Bayer, Adolph, New York, N. Y. Gas detection apparatus. 1,821,871; Sept. 1.
Bayer, Erik C., Copenhagen, Denmark. Manufacture of porous building materials. 1,794,272; Feb. 24.
Bayer, Josef, Barmen, Germany. Device for sealing bale ties. 1,793,990; Feb. 24.
Bayer, Josef, Barmen, Germany. Strap stretching and fastening tool. 1,811,108; June 23.
Bayer, Leo J., St. Louis, Mo. Boiler cleaner. 1,803,495; May 5.
Bayer, Matthew F., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. 1,788,419; Jan. 13.
Bayer, Matthew F., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Folding bed or like structure. 1,800,494; Apr. 14.
Bayer, Matthew F., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Extensible bedstead. 1,817,666; Aug. 4.
Bayer, Otto. (See Kalischer, G., and Bayer.)
Bayerlein, John, Maspeth, and A. A. Seiler, New York, N. Y. Aircraft. 1,829,080; Oct. 27.
Bayha, Helmut, Berlin-Charlottenburg, C. Hahn, Berlin-Siemensstadt, and O. Heymann, Berlin-Wilmersdorf, assignors to Simens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Humidifying gas prior to purifying it. 1,820,726; Aug. 25.
Bayles, John H. G., Nottingham, England. Circular rib knitting machine. 1,817,285; Aug. 4.
Bayles, John P., Caledonia, assignor of one-half to W. C. Wilcox, Marion, Ohio. Tail gate for truck bodies. 1,836,522; Dec. 15.
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Chuck bushing for rock drills. 1,788,972; Jan. 13.
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Centralizer for drill steels. 1,789,859; Jan. 20.
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drill column. 1,820,727; Aug. 25
Bayley Blower Company. (See Jackson, Charles H., assignor.)
Bayley, Guy L., Chicago, Ill., assignor to Bevel Gear Grinding Company, Detroit, Mich. Method and apparatus for generating curved surfaces on gear teeth. 1,811,254; June 23.
Bayley, John, Lower Withington, Chelford, England. Headlight of automobiles. 1,823,249; Sept. 15.
Bayley, William D., Springfield, Ohio. Silo top. 1,826,378; Oct. 6.
Baylis, Robert M., Dayton, Ohio. Toy airplane. 1,821,172; Sept. 1.
Baylis, Walter S., assignor, by mesne assignments, to Filtrol Company of California, Los Angeles, Calif. Treating crude oil having tar and asphalt content. 1,788,653; Jan. 13.
Baylis, Walter S., assignor, by mesne assignments, to Filtrol Company of California, Los Angeles, Calif. Treating crude oil of the Pennsylvania type. 1,788,654; Jan. 13.
Baylis, Walter S., assignor, by mesne assignments, to Filtrol Company of California, Los Angeles, Calif. Decolorizing material and producing same. 1,792,625; Feb. 17.
Baylis, Walter S., Los Angeles, Calif., assignor, by mesne assignments, to Filtrol Company of California. Treating beeswax. 1,808,755; June 9.
Baylis, Walter S., assignor, by mesne assignments, to Filtrol Company of California, Los Angeles, Calif. Re-activated absorbent and making same. 1,810,155; June 16.

Baylis, Walter S., Los Angeles, Calif., assignor, by mesne assignments, to Filtrol Company of California. Purifying vegetable oil. 1,818,452; Aug. 11.
Baylis, Walter S., Los Angeles, Calif., assignor, by mesne assignments, to Filtrol Company of California. Making chemically treated activated adsorbent material. 1,818,453; Aug. 11.
Baylis, Walter S., assignor, by mesne assignments, to Filtrol Company of California, Los Angeles, Calif. Actuated clay and producing same. 1,819,496; Aug. 18.
Baylis, Walter S., assignor, by mesne assignments, to Filtrol Company of California, Los Angeles, Calif. Restoring moisture and adding acid to reactivated clay. 1,823,230; Sept. 15.
Baylis, Walter S., assignor, by mesne assignments, to Filtrol Company of California, Los Angeles, Calif. Decolorizing oils by filtration through paper. 1,825,300; Sept. 29.
Bayne, Basil R., Gerrards Cross, England. Manufacture of colored patterned glass and other transparencies or translucencies. 1,813,901; July 14.
Baynes, Edward C., Birmingham, Mich. Screw locking device. 1,833,554; Nov. 24.
Baysinger, Virgil R., Pittsburgh, Pa., assignor to Torridaire Company. Heating pack and composition therefor. 1,819,807; Aug. 18.
Bay State Fishing Company. (See Gallison, E. A., and MacDonald, assignors.)
Bay State Fishing Company. (See MacDonald, Albert S., assignor.)
Bay State Optical Company. (See Nerney, George E., assignor.)
Bay State Optical Company. (See Siddall, Wilbur H., assignor.)
Bay State Tool & Machine Co. (See Gaudreau, Charles D., assignor.)
Bayton, Edward A., Detroit, Mich., assignor to The Lees-Bradney Company, Cleveland, Ohio. Feeding mechanism for hobbing machines. 1,804,303; May 5.
Bayus, Stephen M., Bakersfield, Calif. Wire connecter or cable clamp. 1,811,704; June 23.
Bazlen, Max, and E. Rieger, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of calcium formaldehyde sulphoxylates. 1,793,152; Feb. 17.
Bazner, William F., Chicago, Ill. Piano case. Des. 83,299; Feb. 17.
Bazner, William F., Chicago, Ill. Radiocabinet. Des. 83,300; Feb. 17.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-heel cover. Des. 83,301; Feb. 17.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe heel and manufacturing the same. 1,789,296; Jan. 20.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe heel. 1,789,297; Jan. 20.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel covering machine. 1,833,148; Nov. 24.
Beach, Chester H., assignor to S. C. Johnson & Son, Racine, Wis. Electric paint burner. 1,789,269; Jan. 13.
Beach, Edward S. (See Foley, William V., assignor.)
Beach, Frederick E., assignor to Pines Winterfront Company, Chicago, Ill. Theft preventing device. 1,818,373; Aug. 11.
Beach, Frederick E., and E. G. Petersen, assignors to Pines Winterfront Company, Chicago, Ill. Theft preventing device. 1,818,668; Aug. 11.
Beach, George F., assignor, by mesne assignments, to Ryan, Scully & Company, Philadelphia, Pa. Furnace conveyer. 1,792,409; Feb. 10.
Beach, George F., assignor, by mesne assignments, to Ryan, Scully & Company, Philadelphia, Pa. Valve construction. 1,797,118; Mar. 17.
Beach, Harry L., Coshocton, Ohio. Rack for tires. Des. 84,868; Aug. 18.
Beach, Harry L., Coshocton, Ohio. Display rack. 1,810,812; June 16.
Beach, Hobart C., Covington, Ky., assignor to The Carborundum Company, Niagara Falls, N. Y. Grinding wheel and holder. 1,814,782; July 14.
Beach, James G., Portland, Oreg. Adjusting stop aperture of cameras relatively to distance. 1,788,655; Jan. 13.
Beach, John R., Lawrenceville, Va.; E. P. Barrow, administrator of said J. R. Beach, deceased. Duplicating machine. 1,829,579; Oct. 27.
Beach Manufacturing Company. (See Horton, John O., assignor.)
Beach, Royal A., Racine, Wis. Drink mixer. 1,836,523; Dec. 15.
Beach, Willard C., East Orange, N. J. Golf club head. Des. 85,510; Nov. 10.
Beach, Willard C., East Orange, N. J. Paint spraying apparatus. 1,812,854; July 7.
Beacham, Thomas E. (See Hele-Shaw, H. S., and Beacham.)
Beachen, Albert E., Providence, assignor to Easton & Burnham Machine Co., Pawtucket, R. I. Winding or spooling machine. 1,798,516; Mar. 31.
Beacher, George W., Darby, Pa. Coupling for sewer rod sections. 1,803,227; Apr. 28.
Beacon Falls Rubber Shoe Company, The. (See Hopwood, William B., assignor.
Beacon Manufacturing Company. (See Lemieux, W. J., and Hood, assignors.)
Bead Chain Manufacturing Company, The. (See Gagnon, William J., assignor.)
Beadle, George W., administrator. (See Beadle, George W.)
Beadle, George W., deceased, New York, N. Y.; H. I. Beadle, administrator, assignor to The Cellacote Company, Inc. Method of and apparatus for coating articles. 1,794,751; Mar. 3.
Beadsley & Piper Company, The. (See Piper, Walter F., assignor.)
Beagle, Pearley E., Seattle, Wash. Life saving equipment. 1,833,199; Nov. 24.
Beaird, James B., et al. (See Grounds, Fred A., assignor.)
Beal, Arthur F. (See Witherspoon, S. C., and Beal.)
Beal, Byron A., et al. (See Singleton, Charles B., assignor.)
Beal, Francis R., Port William, Ohio. Automobile transmission lifting device. 1,806,033; May 19.
Beal, Francis R., Port William, Ohio. Automobile lifting device. 1,831,475; Nov. 10.
Beal, George W., Winston-Salem, assignor of one-half to S. R. Glass, Forsyth County, N. C. Friction clutch. 1,821,335; Sept. 1.
Beal, Ira H., Gowrie, Iowa. Earth conditioning implement. 1,829,952; Nov. 3.
Beal, William A., Pasadena, Calif. Protective armor for vehicles. 1,791,701.; Feb. 10.
Beale, Addison H. (See Aston, J., and Beale.)
Beale, Addison H., assignor, by mesne assignments, to A. M. Byers Company, Pittsburgh, Pa. Producing puddled iron ingots. 1,820,175; Aug. 25.
Beale, Addison H., and J. Aston, assignors, by mesne assignments, to A. M. Byers Company, Pittsburgh, Pa. Granulating steel and forming wrought iron. 1,820,176; Aug. 25.
Beale, Addison H., Pittsburgh, Pa., H. A. Brassert and F. Wille, Chicago, Ill., assignors, by mesne assignments, to A. M. Byers Company, Pittsburgh, Pa. Preparing and remelting synthetic slags. 1,820,178; Aug. 25.
Beale, Charles E. (See Taylor, R., and Beale.)
Beale, Charles E., London, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,801,301; Apr. 21.
Beale, Charles E., London, England, assignor to Associated Telephone and Telegraph Company, Kansas City, Mo. Telephone system. 1,813,138; July 7.
Beall, Charles R., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Selective locking apparatus. 1,795,420; Mar. 10.
Beall, Isaac N., Eastland, Tex., assignor, by mesne assignments, to Research Process Company. Absorption of vapors and liquids. 1,824,458; Sept. 22.
Beall, John, Caldwell, Idaho. Computing attachment for liquid dispensing devices. 1,812,676; June 30.
Beall, William L., Chattanooga, Tenn., assignor to International Harvester Company. Agitator for dispensing mechanisms. 1,828,519; Oct. 20.
Beam, Vilynn O. (See Branche, N. T., and Beam.)
Beam, Vilynn O., assignor to Surface Combustion Corporation, Toledo, Ohio. Gas burner. 1,818,783; Aug. 11.
Beaman, George B., Crafton, assignor to Superior Paper Products Company, Carnegie, Pa. Corrugated paper package for burial caskets. 1,807,770; June 2.
Beaman, George B., Crafton, assignor to Superior Paper Products Company, Carnegie, Pa. Fabricated package. 1,817,286; Aug. 4.
Beamish, H. Luella. (See Gates, Benjamin L., assignor.)
Bean, Barton A., jr., Williamsville, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,811,819; June 23.
Bean, Barton A., jr., Williamsville, and A. G. Maddigan, Buffalo, N. Y. Apparatus and method of lubricating vehicles. 1,833,513; Nov. 24.
Bean, Calvin, Sykesville, Pa. Shirt. 1,797,056; Mar. 24.
Bean, Charles E., Stafford Springs, Conn. Stop mechanism for cloth drying machines. 1,809,398; June 9.
Bean, Ivan L. (See Bean, Louis A., assignor.)
Bean, James A., Winona, Minn. Incinerator. 1,798,362; Mar. 31.
Bean, Louis A., assignor to Ivan L. Bean, Denver, Colo. Flash light head. Des. 84,456; June 23.
Bean, Roscoe D., assignor to The Brown Instrument Company, Philadelphia, Pa. Control method and apparatus. 1,825,932; Oct. 6.
Bean, William L., West Haven, Conn. Locomotive-smokebox structure. 1,788,559; Jan. 13.
Beanblossom, Emmett, et al. (See Albertson, Luther D., assignor.)
Beane, Bella, Alpena, Mich. Combined bumper and mud guard. 1,804,304; May 5.
Bear, Bennett. (See Ortlip, Walter H., assignor.)
Bear Manufacturing Company. (See Wochner, Henry, assignor.)
Bear, Paul S. (See Phelan, L. A. M., and Bear.)
Beard, Bert, assignor to G. M. Holley, Detroit, Mich. Carburetor. 1,806,930; May 26.
Beard, James R., Kensington, London, and G. L. Porter, Manchester, assignors to Electrical Improvements Limited, Newcastle-upon-Tyne, England. Indicating apparatus. 1,814,278; July 14.

Beard, James W., Santa Monica, Calif. Hose clamp. 1,788,505; Jan. 13.
Beard, Lawrence O., Lancaster, Pa. Expansion reamer. 1,790,529; Jan. 27.
Beard, Lawrence O., Lancaster, Pa. Reamer. 1,810,263; June 16.
Bearden, Fred E., Spartanburg, S. C. Manufacturing flexible heads for mops, dusters, and brushes. 1,790,530; Jan. 27.
Bearden, Howell B. (See Tomlinson, W. A., and Bearden.)
Beardslee Chandelier Manufacturing Company. (See Ohm, Albert J. D., assignor.)
Beardslee Chandelier Manufacturing Company. (See Samuelson, Eric T., assignor.)
Beardsley, Bruce. (See d'Humy, F. E., Beardsley, and Plausics.)
Beardsley, Earl W., Loudonville, Ohio. Detachable bracket. 1,799,944; Apr. 7.
Beardsley, Elmer O., assignor to The Beardsley & Piper Company, Chicago, Ill. Machine for handling molding sand. 1,804,394; May 12.
Beardsley, Elmer O., and W. F. Piper, assignors to The Beardsley & Piper Company, Chicago, Ill. Sand-handling truck. 1,809,796; June 9.
Beardsley, Elmer O., and W. F. Piper, assignors to The Beardsley & Piper Company, Chicago, Ill. Portable molding machine. 1,815,999; July 28.
Beardsley, Elmer O., and W. F. Piper, assignors to The Beardsley & Piper Company, Chicago, Ill. Portable molding machine. 1,816,000; July 28.
Beardsley, Elmer O., and W. F. Piper, assignors to The Beardsley & Piper Company, Chicago, Ill. Making refractory shapes. 1,838,522; Dec. 29.
Beardsley, Frederick W., Drummondville, Quebec, Canada, assignor to Celanese Corporation of America. Automatic stop for knitting machine. 1,801,841; Apr. 21.
Beardsley, Orie L., Gary, Ind. Coupling for separable members. 1,826,982; Oct. 13.
Beardsley & Piper Company, The. (See Beardsley, Elmer O., assignor.)
Beardsley & Piper Company, The. (See Beardsley, E. O., and Piper, assignors.)
Beardsley & Piper Company. (See Furman, George, assignor.)
Beardsley & Piper Company, The. (See Naylor, Walter E., assignor.)
Beardsley, Robert O. (See Porter, R. W., and Beardsley.)
Beardsley & Wolcott Mfg. Co. (See Lucia, Louis V., assignor.)
Beardsley & Wolcott Mfg. Co., The. (See Wolcott, Frank E., assignor.)
Beardsley & Wolcott Mfg. Co. (See Wolcott, F. E., and Lucia, assignors.)
Bearin, M., & Sons Limited. (See Cullen, John R., assignor.)
Bearly, Fred D., Oklahoma City, Okla. Derrick. 1,829,081; Oct. 27.
Bearly, Fred D., Oklahoma City, Okla. Derrick. 1,831,838; Nov. 17.
Beasley, Alfred F., assignor to Bunker Hill & Sullivan Mining & Concentrating Company, Kellogg, Idaho. Igniting ore. 1,827,773; Oct. 20.
Beasley, Harold H. (See Robinson, P. G., Foweraker, Beasley, and Sargent.)
Beasley, Jessie P., Greenville, Tex. Sawhorse. 1,823,871; Sept. 22.
Beaton, Ambrose, River Rouge, Mich. Dump scow. 1,832,349; Nov. 17.
Beaton & Cadwell Manufacturing Company, The. (See Cadwell, W. H., and Ott, assignors.)
Beattey, Earle J. R., Edgewood, R. I., assignor to Universal Optical Corporation, Providence, R. I. Bridge member for an ophthalmic mounting. Des. 83,422; Feb. 24.
Beattey, Earle J. R., Edgewood, R. I., assignor to Universal Optical Corporation. Spectacle frame. Des. 83,423; Feb. 24.
Beattey, Earle J. R., Edgewood, assignor to Universal Optical Corporation, Providence, R. I. Bridge for an eyeglass mounting. Des. 84,920; Aug. 25.
Beattie, Daniel S., Atlanta, Ga., assignor to Nathan Manufacturing Company, New York, N. Y. Operating mechanism for injectors. 1,787,432; Jan. 6.
Beattie, James W., Hollywood, Calif. Light screen. Des. 83,028; Jan. 13.
Beattie Manufacturing Co., The. (See Beattie, Walter J., assignor.)
Beattie, Orville S., assignor of thirteen-sixtieths to L. S. Murray, and seven-thirtieths to J. B. Coker, San Diego, Calif. Power transmission mechanism. 1,838,733; Dec. 29.
Beattie, Walter J., assignor to The Beattie Manufacturing Co., Cohoes, N. Y. Manufacturing soft collars and product thereof. 1,795,704; Mar. 10.
Beattie, William P., assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine. 1,791,519; Feb. 10.
Beatton, Rowland S., Young, New South Wales, Australia. Dispensing apparatus. 1,822,557; Sept. 8.
Beatty, Dwight L., Missoula, Mont. Grading and ditching machine. 1,811,662; June 23.
Beatty, Howard, Hinsdale, and C. Mongere, assignors to The Glidden Food Products Co., Chicago, Ill. Formula and process for manufacturing peanut-flavored coating for ice cream and hard peanut-flavored coating. 1,796,825; Mar. 17.
Beatty, Newell, Hinsdale, assignor to Durkee Famous Foods, Inc., Chicago, Ill. Machine for forming and wrapping plastic materials. 1,834,997; Dec. 8.
Beatty, Philip J. (See Lee, J. E., Barney, and Beatty.)
Beatty, Robert D., Birmingham, Ala. Detonator. 1,837,398; Dec. 22.
Beatty, Robert J., assignor to The Federal Glass Company, Columbus, Ohio. Glass tumbler or article of similar nature. Des. 85,152; Sept. 22.
Beatty, Walter J. (See Bryant, M. B., and Beatty.)
Beatty, William H. (See Kimberlin, William H., assignor.)
Beatty, William H., assignor of three-eighths to W. H. Beatty, Birmingham, Ala. Centrifugal molding apparatus. 1,825,302; Sept. 29.
Beatty, William L., et al. (See Eustis, Harry C., assignor.)
Beatty, William R., Hammond, Ind. Coping machine. 1,796,356; Mar. 17.
Beatty, William T., Chicago, assignor to Austin Manufacturing Co., Harvey, Ill. Road machine. 1,793,668; Feb. 24.
Beatty, William T., Flossmoor, F. S. Davis, Homewood, and F. D. Wilson, Harvey, assignors to Austin Manufacturing Co., Chicago, Ill. Leaning wheel road scraper. 1,811,661; June 23.
Beatty, William T., Flossmoor, and F. D. Wilson, Harvey, assignors to Austin Manufacturing Co., Chicago, Ill. Road scarifier and scraper. 1,829,728; Nov. 3.
Beatty, W. Henry. (See Beatty, William H., assignor.)
Beaty, Frank F., L. Elmore, and F. Pope, said Elmore assignor to J. Ballard, West Baden, Ind. Golf bag. 1,788,478; Jan. 13.
Beaty, James T., Charlotte, N. C. Conveyer distributor for cotton-ginning systems. 1,792,566; Feb. 17.
Beauchamp, George D., Los Angeles, Calif. Stringer musical instrument. 1,808,756; June 9.
Beauchamp, George D., Los Angeles, Calif. Stringer musical instrument. 1,808,757; June 9.
Beauchamp, Wilfred A. (See Tobin, K. J., and Beauchamp.)
Beauchamp, Wilfred A., and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Weathering means for house car end doors. 1,838,900; Dec. 29.
Beaumont, George H., assignor to Sterling Spring Company, Cleveland, Ohio. Spring. 1,809,959; June 16.
Beaumont, Georges, Marseille, France. Refrigerator of the absorption type. 1,795,538; Mar. 10.
Beaumont, Georges, Paris, France. Refrigerating system and refrigerator. 1,837,892; Dec. 22.
Beaumont Iron Works Company. (See Black, Lee J., assignor.)
Beaumont Manufacturing Company. (See Beaumont, Robert H., assignor.)
Beaumont, Mary N., Huntington Park, Calif. Pin. 1,836,745; Dec. 15.
Beaumont, R. H., Company. (See Addison, E. C., and Hill, assignors.)
Beaumont, R. H., Company. (See Beaumont, Robert H., assignor.)
Beaumont, Robert H., Radnor, assignor to R. H. Beaumont Company, Philadelphia, Pa. Plow for scraper buckets. 1,799,139; Mar. 31.
Beaumont, Robert H., Radnor, assignor to R. H. Beaumont Company, Philadelphia, Pa. Outlet apparatus for ash bunkers. 1,809,771; June 9.
Beaumont, Robert H., Radnor, Pa., assignor to Beaumont Manufacturing Company, Philadelphia, Pa. Hopper gate actuating mechanism. 1,829,182; Oct. 27.
Beauregard, William, Fall River, Mass., assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Duct terminal. 1,826,863; Oct. 13.
Beauregard, William G., Fall River, Mass., assignor, by mesne assignments, to Line Material Company, Milwaukee, Wis. Bonding mold. 1,828,020; Oct. 20.
Beaver, Charles J., Bowdon, assignor to W. T. Glover and Company Limited, Manchester, England. Conduit for laying electric cables. 1,829,580; Oct. 27.
Beaver, Gail D., Norristown, Pa. Chute discharge unit. 1,832,350; Nov. 17.
Beaver, Gail D., Norristown, Pa. Chute discharge unit. 1,832,351; Nov. 17.
Beaver Machine & Tool Co. (See Slade, Harold E., assignor.)
Beaver Machine & Tool Co. (See Slade, H. E., and Gehring, assignors.)
Beaver, Rudolph, Watertown, assignor to Gillette Safety Razor Company, Boston, Mass. Twine cutter. 1,812,462; June 30.
Beaver, Rudolph, Watertown, assignor to Gillette Safety Razor Company, Boston, Mass. Knife. 1,813,723; July 7.
Beaver Saw Filing Machine Co. (See Klunk, Louis J., assignor.)
Beaver, Walter P., Statesville, N. C. Digging device. 1,803,228; Apr. 28.
Beavin, James Efton. (See Ray, Joseph R., assignor.)
Beazley Power Mower Co. (Incorporated). (See Beazley, William E., assignor.)
Beazley, William E., assignor to Beazley Power Mower Co. (Incorporated), St. Petersburg, Fla. Power operated lawn mower. 1,827,559; Oct. 13.
Bebie, Edwin W., Grantwood, N. J., assignor to International Paper Company, New York, N. Y. Extension core cap. 1,802,694; Apr. 28.

Bebinger, Charles H., assignor to Northern Conveyor & Mfg. Co., Janesville, Wis. Material handling machine. 1,810,119; June 16.
Bebinger, Charles H., and G. R. Whitnall, assignors to Northern Conveyer & Mfg. Co., Janesville, Wis. Material-handling machine. 1,800,428; Apr. 14.
Bebout, Guy B., Zanesville, Ohio. Method and apparatus for cleaning gravel or the like. 1,812,280; June 30.
Becher, Theodor, Gustavsburg, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Bavaria, Germany. Lateral packing for weirs. 1,828,219; Oct. 20.
Béchereau, Louis, assignor to Societe des Avions Bernard, Paris, France. Aeroplane. 1,822,196; Sept. 8.
Becherer, Floyd O., assignor to Stability Leather Goods Mfg. Co., St. Louis, Mo. Foldable garment form. 1,800,429; Apr. 14.
Bechstein, Carl A., et al. (See Jones, Ira M., assignor.)
Becht, Edward C., Newport, Ky. Apparatus for making confections. 1,801,992; Apr. 21.
Bechtel, Gerhard M., Allentown, Pa. Rotary drier. 1,808,626; June 2.
Bechthold, Friedrich J., Frankfort-on-the-Main, Germany. Regenerating granular adsorbents. 1,836,301; Dec. 15.
Bechtold, Reuben E., Fort Wayne, Ind., assignor to The Tokheim Oil Tank and Pump Company. Liquid dispensing apparatus. 1,826,340; Oct. 6.
Bechtner, Paul, Chicago, Ill., assignor to American Colloid Company, Lead, S. Dak. Composition material. 1,830,253; Nov. 3.
Beck, Adolf, W. Schmidt, and G. Schreiber, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Treating molten magnesium and its high-percentage alloys. 1,788,185; Jan. 6.
Beck, Almer B., Lititz, Pa. Convertible furniture. 1,820,904; Sept. 1.
Beck, Alwin H., assignor to Folmer Graflex Corporation, Rochester, N. Y. Method of and apparatus for holding photographic films in flat position during exposure. 1,829,332; Oct. 27.
Beck, Charles J., Philadelphia, Pa. Feeding mechanism for cutting and folding machines. 1,826,495; Oct. 6.
Beck, Charles W., assignor, by mesne assignments, to N. M. Beck, Toledo, Ohio. Gear shift lever grip for motor vehicles. 1,807,369; May 26.
Beck, Charles W., Toledo, Ohio, assignor, by mesne assignments, to Alcet Electro Products Corporation, New York, N. Y. Doorcheck. 1,810,003; June 16.
Beck, Ernest T., assignor to International Silver Company, Meriden, Conn. Spoon or other article of tableware. Des. 84,674; July 21.
Beck, Ernest T., assignor to International Silver Company, Meriden, Conn. Plaque or similar article. Des. 85,078; Sept. 15.
Beck, Frederick A. (See Leo, H. T., Taylor, and Beck.)
Beck, Heinrich, Vienna, Austria. Combination lock. 1,826,235; Oct. 6.
Beck, John, Ashland, Wis. Refrigerator. 1,809,012; June 9.
Beck, John A. (See Rateau, H., and Beck.)
Beck, Joseph W., Spokane, Wash. Range. 1,836,434; Dec. 15.
Beck, Karl. (See Wagner, H., and Beck.)
Beck, Karl, and H. Kracker, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-insoluble azo dyestuffs and material dyed therewith. 1,806,034; May 19.
Beck, Koller & Company. (See Hönel, Herbert, assignor.)
Beck, Leo L., Linden, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Color flasher. 1,826,384; Oct. 6.
Beck, Leo L., Linden, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Nonhardening vacuum tube lamp. 1,826,385; Oct. 6.
Beck, Leo L., Jackson Heights, assignor to Claude Neon Lights, Inc., New York, N. Y. Controlling the color in vacuum tube lamps. 1,826,386; Oct. 6.
Beck, Leo L., Jackson Heights, assignor to Claude Neon Lights, Inc., New York, N. Y. Deadening mercury in blue neon tubes. 1,826,387; Oct. 6.
Beck, Leo L., Jackson Heights, assignor to Claude Neon Lights, Inc., New York, N. Y. Method of and apparatus for modifying color of vacuum tube lights. 1,827,704; Oct. 13.
Beck, Lue O., Buffalo, N. Y. Device and method of classifying patrons. 1,806,142; May 19.
Beck, Nellie E. (See Beck, Charles W., assignor.)
Beck, Owen L. (See Williams, D. H., and Beck.)
Beck, Peter A., Rock Springs, Wyo. Load-discharging means for aeroplanes. 1,798,137; Mar. 31.
Beck, Robert L., et al. (See Law, Theodore L., assignor.)
Beck, Walter, assignor to Deutsche Gold & Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Heat treatment of metal articles. 1,799,945; Apr. 7.
Beck, Walter, assignor to Deutsche Gold & Silber Scheideanstalt, vormals Roessler, Frankfort-on-the-Main, Germany. Hardening articles made of iron or steel. 1,804,454; May 12.
Beck, Walter, assignor to Deutsche Gold & Silber Scheideanstalt, vormals Roessler, Frankfort-on-the-Main, Germany. Destruction of animal pests. 1,819,145; Aug. 18.
Becker, Arman E., Elizabeth, N. J., assignor to Standard Oil Development Company. Lubricating textile machinery. 1,789,331; Jan. 20.
Becker, Arman E., Newark, N. J., assignor to Standard Oil Development Company. Lubricant. 1,812,766; June 30.
Becker, Bernard C. (See Smellie, D. G., Lowry, and Becker.)
Becker, Bernard C., Canton, assignor to The Hoover Company, North Canton, Ohio. Casing for a suction cleaner or similar article. Des. 84,869; Aug. 18.
Becker, Bernard C., Canton, Ohio, assignor to The Hoover Company. Suction cleaner. 1,837,315; Dec. 22.
Becker, Bernard C., York, Pa., assignor to The Yoder Pencil Company, Cleveland, Ohio. Pencil. 1,803,586; May 5.
Becker, Bert, Monrovia, Calif. Bottle. Des. 83,658; Mar. 17.
Becker, Burt, Philadelphia, Pa. Rebounding hammer. 1,825,331; Sept. 29.
Becker, Carl, Kirkwood, Mo. Awning. 1,792,726; Feb. 17.
Becker, Carl, assignor of fifteen per cent to R. E. Garrett, Nashville, Tenn. Machine for cutting and panning biscuits. 1,827,133; Oct. 13.
Becker, Carl., assignor of one-fourth to R. E. Garrett, Nashville, Tenn. Bakery machinery. 1,827,134; Oct. 13.
Becker, Carl E., Camden, N. J. Apparatus for casting metal. 1,797,041; Mar. 17.
Becker, Charles, M., Brooklyn, N. Y. Raised metal plaque. Des. 84,314; June 9.
Becker, Charles M., Brooklyn, N. Y. Lamp. Des. 84,315; June 9.
Becker, Charles M., Brooklyn, N. Y. Lamp or analogous article. Des. 85,227; Sept. 29.
Becker, Edmund H. (See Martus, M. L., and Becker.)
Becker, Edmund H. (See Martus, M. L., Becker, and Ross.)
Becker, Eli, and I. Miller, Cleveland, Ohio. Bottle. Des. 84,317; June 9.
Becker, Emil, Pforzheim, Germany. Closure for bracelets and the like. 1,817,745; Aug. 4.
Becker, Emil, assignor to H. Junkers, Dessau, Germany. Riveting. 1,809,154; June 9.
Becker, Enno, Bremen, and F. W. Brusch, Kiel, Germany. Sheet metal piling. 1,835,367; Dec. 8.
Becker, Frank E., Jamaica, N. Y. Spectacle frame. 1,788,973; Jan. 13.
Becker, Fred, Buffalo, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,821,922; Sept. 8.
Becker, Frederick W. (See Kattrein, W. J., and Becker.)
Becker, Fritz H., Irvington, N. J. Multiple cutting tool. 1,830,692; Nov. 3.
Becker, George, Manor, assignor to Westmoreland Glass Company, Grapeville, Pa. Goblet or similar article. Des. 85,079; Sept. 15.
Becker, George, Manor, assignor to Westmoreland Glass Company, Grapevile, Pa. Bowl or similar article. Des. 85,080; Sept. 15.
Becker, George, Seacliff, N. Y. Tree mover. 1,837,942; Dec. 22.
Becker, George E., Bremerton, Wash. Sliding valve for internal combustion engines. 1,818,527; Aug. 11.
Becker, George F., Albany, N. Y. Tail gate latch. 1,828,797; Oct. 27.
Becker, Harry G., Albany, N. Y. Rail sanding and cleaning device. 1,824,067; Sept. 22.
Becker, Harry S., River Forest, assignor to American Flyer Manufacturing Company, Chicago, Ill. Reversing mechanism for toy electric locomotives. 1,796,554; Mar. 17.
Becker, Harry S., River Forest, assignor to American Flyer Mfg. Co., Chicago, Ill. Equipment controlling unit. 1,804,491; May 12.
Becker, Heinrich, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Fuel pump for engines having a plurality of injection valves in the cylinder. 1,836,435; Dec. 15.
Becker, Joseph, Montclair, N. J. Folding clothes hanger. 1,805,561; May 19.
Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coke-oven smoke-discharging means. 1,798,517; Mar. 31.
Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,799,670; Apr. 7.
Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Fuel gas distributing system for coke ovens. 1,815,285; July 21.
Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coke oven. 1,832,612; Nov. 17.
Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coke oven. 1,832,613; Nov. 17.
Becker, Joseph, Pittsburgh, Pa., assignor to The Koppers Company. Apparatus for treating gas. 1,836,004; Dec. 15.
Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,837,181; Dec. 15.
Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,837,182; Dec. 15.
Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Combination oven. 1,837,314; Dec. 22.

Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coke oven battery. 1,838,294; Dec. 29.
Becker, Joseph L., Minneapolis, Minn. Combination tractor grader. 1,814,425; July 14.
Becker, Joseph L., Minneapolis, Minn. Controlling device for motor vehicles. 1,814,426; July 14.
Becker, Joseph L., Stillwater, Minn. Coupling device. 1,814,427; July 14.
Becker, Joseph L., Stillwater, Minn. Road grader. 1,788,043; Jan. 6.
Becker, Joseph L., Stillwater, Minn. Road maintainer. 1,788,044; Jan. 6.
Becker, Joseph L., Stillwater, Minn. Road maintainer. 1,788,045; Jan. 6.
Becker, Julius, Chicago, Ill. Anode. 1,807,585; June 2.
Becker, Lawrence A., Marble Hill, N. Y. Pulley line support and take up device. 1,833,348; Nov. 24.
Becker, Logan A., and J. M. Munson, Lakewood, assignors to T. F. Dolan, Shaker Heights, Ohio. Motor-car transport train. 1,788,853; Jan. 13.
Becker, Logan A., and J. M. Munson, Lakewood, assignors to The Dobeckmun Company, Cleveland, Ohio. Apparatus for use in filling containers. 1,789,281; Jan. 13.
Becker, Logan A., and J. M. Munson, assignors to The Dobeckmun Company, Lakewood, Ohio. Container. 1,834,570; Dec. 1.
Becker, Mathew R., Kenilworth, assignor to Becker Roofing Company, Chicago, Ill. Method of and machine for manufacturing roofing material. 1,834,998; Dec. 8.
Becker, Nicholas A., Pittsburg, Calif. Toy Christmas tree. 1,823,021; Sept. 15.
Becker, Ralph K., assignor of forty-five one-hundredths to B. M. Kent, Cleveland, Ohio. Carton. 1,837,749; Dec. 22.
Becker, Ralph K., assignor of forty-five one-hundredths to B. M. Kent, Cleveland, Ohio. Carton. 1,837,750; Dec. 22.
Becker Roofing Company. (See Becker, Mathew R., assignor.)
Becker, Rudolph, North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loop spreader for sewing machines. 1,788,008; Jan. 6.
Becker, Rudolph, North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing felt hats. 1,791,461; Feb. 3.
Becker, Rudolph, North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser-device for sewing machines. 1,803,930; May 5.
Becker, Stephen P., Poughkeepsie, N. Y. Wire clamp. 1,790,694; Feb. 3.
Becker, Stephen P., Poughkeepsie, N. Y. Wire clamp. 1,824,387; Sept. 22.
Becker, Walter S. (See Johnson, Charles F., assignor.)
Becker, William E., Chicago, Ill., assignor to Goss Printing Press Company. Folding roller. 1,802,749; Apr. 28.
Beckers, Arnold. (See Wilhelm, Rudolf, assignor.)
Beckert, Carl J. (See Kritchevsky, W., and Beckert.)
Becket, Alan L., East Orange, N. J. Attachment plug. 1,815,043; July 21.
Becket, Frederick M., New York, N. Y., assignor to Electro Metallurgical Company. Smelting of ores. 1,820,998; Sept. 1.
Becket, Frederick M., New York, N. Y., assignor to Electro Metallurgical Company. Purification of ores. 1,822,266; Sept. 8.
Becket, Frederick M., New York, N. Y., assignor to Electro Metallurgical Company. Smelting process. 1,835,925; Dec. 8.
Becket, Frederick M., New York, and J. H. Critchett, Douglaston, N. Y., assignors to Electro Metallurgical Co. Making rustless iron alloys. 1,793,153; Feb. 17.
Beckett, Ernest G. (See Woodcock, W. G., Drescher, Beckett, and Thomas.)
Beckett, Ernest G., and J. Thomas, assignors to Scottish Dyes, Limited, Carlisle, England. Production of anthraquinone derivatives. 1,838,523; Dec. 29.
Beckett, Ernest G., J. E. G. Harris, B. Wylam, and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Sulphuro-anhydride compound of pyridines bases. 1,835,841; Dec. 8.
Beckett, George W., et al. (See Clifton, Jesse A., assignor.)
Beckett Paper Company, The. (See Wildman, A. J., and Latimer, assignors.)
Beckfield, John C., Pittsburgh, Pa. Apparatus for lubricating rotary blowers. 1,832,614; Nov. 17.
Beckinsale, Sydney, Belvedere, Kent, England. Magnetic alloy. 1,838,130; Dec. 29.
Beckinsale, Sydney, and H. J. Allcock, Belvedere, Kent, England. Magnetic core for coils and the like. 1,836,746; Dec. 15.
Beckley and Church Incorporated. (See Beckley, W. R., Church, and Merkel, assignors.)
Beckley & Church, Inc. (See Merkel, Joseph F., assignor.)
Beckley, Howard B. (See Bennett, H. T., Story, and Beckley.)
Beckley, Major H. E., San Francisco, Calif., assignor to A. J. Nystrom and Company. Map holder. 1,833,200; Nov. 24.
Beckley, Walter R., A. E. Church, and J. F. Merkel, assignors to Beckley and Church, Incorporated, Rochester, N. Y. Attachment for cinema projectors. 1,830,082; Nov. 3.
Beckman, Herman C., Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y. Device for suspending and supplying cleaning fluid to teat cups. 1,803,319; May 5.
Beckman, Jacob H., Oakland, Calif. Ammonia condenser. 1,821,287; Sept. 1.
Beckman, Robert C., Olean, N. Y. Boring machine. 1,817,730; Aug. 4.
Beckmann, August, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio frequency telegraphy and telephony system. 1,818,669; Aug. 11.
Beckmann, Erich, Hanover, Germany. Alternating-current indicator. 1,794,509; Mar. 3.
Beckmann, Hermann, Berlin-Zehlendorf, Germany. Rubber diaphragm. 1,831,406; Nov. 10.
Beckner, Albert H., Astoria, Oreg. Automobile. Des. 83,589; Mar. 10.
Beckstein, C., Pianofortefabrik A. G. (See Moor, Emanuel, assignor.)
Beckwith, Albert Y., administrator. (See Schroeder, Anthony.)
Beckwith, Charles F., assignor to Aqua Systems Incorporated, New York, N. Y. Valve. 1,810,067; June 16.
Beckwith, Fred N., Brookline, Mass. Manufacture of footwear. 1,834,999; Dec. 8.
Beckwith, Harry H. (See Woodruff, Frank O., assignor.)
Beckwith, Harry H., Brookline, Mass. Shoe stiffener. 1,823,231; Sept. 15.
Beckwith, Harry H., Brookline, Mass. Treating the counter portions of shoes. 1,823,232; Sept. 15.
Beckwith, Jesse D., Elmira, N. Y. Vacuum-cleaner attachment. 1,797,119; Mar. 17.
Beckwith, Louis I., Dorchester, Mass. Supporting structure. 1,801,993; Apr. 21.
Beckwith, Louis I., Dorchester, Mass. Upright construction. 1,805,731; May 19.
Beckwith, Louis I., Dorchester, Mass. Bracket. 1,824,459; Sept. 22.
Beckwith Manufacturing Company. (See Boughton, Willis A., assignor.)
Beckwith Manufacturing Company. (See Clapp, Albert L., assignor.)
Beckwith Manufacturing Company. (See Swett, Charles E., assignor.)
Beckwith Manufacturing Company. (See Woodruff, Frank O., assignor.)
Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Loading skip. 1,787,716; Jan. 6.
Becq, André, Paris, France. Signaling and indicating apparatus. 1,814,465; July 14.
Becq, André, Paris, France, assignor, by mesne assignments, to General Electric Company. Rectifier and like device based upon the use of mercury vapor. 1,817,799; Aug. 4.
Bédard, Georges, Montreal, Quebec, Canada. Conductor terminal. 1,837,893; Dec. 22.
Beddison, Francis L., East St. Kilda, Victoria, Australia. Automatically changing sign or advertising device. 1,816,716; July 28.
Beddoes, Hubert, assignor to Pacific Flush Tank Company, Chicago, Ill. Sprinkler head or nozzle for filter beds. 1,814,112; July 14.
Beddow, Charles R., assignor to Simplex Manufacturing Company, Miami, Fla. Self-wringing mop. 1,800,046; Apr. 7.
Bedell, Frederick, Ithaca, N. Y. Alternating-current transformer. 1,798,057; Mar. 24.
Bedford Armstrong Corporation. (See Pederiva, Alois, assignor.)
Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Power transmitting apparatus. 1,834,889; Dec. 1.
Bedford, Fred H., jr., et al. (See Damsel, William B., assignor.)
Bedigian, Edward B., Long Island City, N. Y. Camping stove. 1,836,894; Dec. 15.
Bedner, Francis J., Chicago, Ill. Water heater. 1,824,111; Sept. 22.
Bedrossyan, Mark D., Springfield, Mass. Combined electric sign and mirror. 1,805,798; May 19.
Beebe, Alan P., assignor to The Peninsular Grinding Wheel Company, Detroit, Mich. Grinding wheel. 1,812,076; June 30.
Beebe, Edward M., Shawnee, Okla. Manifold. Re17,982; Feb. 24.
Beebe, Edward M., Shawnee, Okla. Pump-manifold valve. 1,795,386; Mar. 10.
Beebe, Harold N., Pittsfield, Mass., assignor to General Electric Company. Electric switch. 1,803,163; Apr. 28.
Beebe, John D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Insulator. 1,815,044; July 21.
Beebe, Lloyd S., Scotia, N. Y., assignor to General Electric Company. Folding loop antenna. 1,804,305; May 5.
Beebe, Murray, Cheshire, Conn., and H. V. Herlinger, Fort Thomas, assignors to The Wadsworth Watch Case Co., Dayton, Ky. Lithographic plate and preparation. 1,820,593; Aug. 25.
Beebe, Robert H., Seattle, Wash. Jig saw. 1,826,983; Oct. 13.
Beecher, Eldridge M., New Britain, Conn. Pole reenforcement. 1,817,341; Aug. 4.
Beecher, Eldridge M., New Britain, Conn. Pole reenforcement. 1,817,342; Aug. 4.

Beecher, Eugene L., New Haven, Conn., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Vehicle brake device. 1,797,395; Mar. 24.
Beecher, Eugene L., assignor to The Gabriel Company, Cleveland, Ohio. Liquid level indicator. 1,815,001; July 14.
Beecher, Eugene L., assignor to The Gabriel Company, Cleveland, Ohio. Connecter for hydrostatic conduits. 1,815,002; July 14.
Beecher, Eugene L., East Cleveland, assignor to The Gabriel Company, Cleveland, Ohio. Vane for shock absorbers. 1,815,003; July 14.
Beecher, Eugene L., assignor to The Gabriel Company, Cleveland, Ohio. Liquid level indicating means for multiple cell storage batteries. 1,821,958; Sept. 8.
Beecher, Lewis B., Kensington, and P. Ahern, assignors to The Stanley Works, New Britain, Conn. Spirit level. 1,823,524; Sept. 15.
Beecher, Milton F. (See Saunders, L. E., Milligan, and Beecher.)
Beecher, Samuel, Newton, Mass. Electrical candle display. 1,838,734; Dec. 29.
Beechlyn, John T., Worcester, Mass. Peeling knife. 1,794,823; Mar. 3.
Beechlyn, John T., and M. Sjoren; said Beechlyn, assignor to W. E. Mellquist, Worcester, Mass. Feeding tank for liquids. 1,833,150; Nov. 24.
Beede, Frederic N., Pawtucket, R. I. Garment steaming and drying buck. 1,797,814; Mar. 24.
Beede, Herbert G., Pawtucket, R. I. Steaming board. 1,822,387; Sept. 8.
Beede, Herbert G., Pawtucket, R. I. Steaming valve for garment presses. 1,822,388; Sept. 8.
Beeghly, Urner J., Spokane, Wash. Bunk and post connecting means. 1,814,541; July 14.
Beekley, John S., assignor to du Pont Ammonia Corporation, Wilmington, Del. Producing hydrogen from steam and carbon monoxide. 1,789,538; Jan. 20.
Beekley, John S., Charleston, W. Va., assignor to Du Pont Ammonia Corporation, Wilmington, Del. Producing hydrogen. 1,799,452; Apr. 7.
Beekman, Royce A., Schenectady, N. Y., assignor to General Electric Company. Power system. 1,801,133; Apr. 14.
Beekman, Royce A., Schenectady, N. Y., assignor to General Electric Company. Ship propulsion system. 1,822,721; Sept. 8.
Beeler, Ivan E., Portland, Oreg. Door latch. 1,834,819; Dec. 1.
Beeler, Richard L., Paducah, Ky. Occlusal gauge. 1,823,184; Sept. 15.
Beelman, David H., Mount Vernon, N. Y. Plaster cutter. 1,826,496; Oct. 6.
Beemack Furnace Company. (See MacDougall, Robert, assignor.)
Beeman, Edwin R., Minneapolis, Minn. Electrical door operating device. 1,819,809; Aug. 18.
Been, Paul, assignor to Harnischfeger Corporation, Milwaukee, Wis. Apparatus for handling and storing. 1,828,307; Oct. 20.
Been, Paul, assignor to Harnischfeger Corporation, Milwaukee, Wis. Apparatus for handling and storing automobiles and the like. 1,828,308; Oct. 20.
Beers, George L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Connecting device. 1,828,276; Oct. 20.
Beers, Harry F., Pelham, N. Y. Air-tight door for cabinets. 1,815,607; July 21.
Beers, Harry F., Pelham, N. Y. Display cabinet. 1,818,784; Aug. 11.
Beers, Henry S., Westport, Conn., assignor to The Turbo-Mixer Corporation, New York, N. Y. Mixing and heat interchange apparatus. 1,810,637; June 16.
Beers, Henry S., Westport, Conn., assignor to The Turbo-Mixer Corporation, New York, N. Y. Mixing apparatus. 1,816,562; July 28.
Beerstecher, Willem K. C., Heelsum, Netherlands. Reflecting sign. 1,795,071; Mar. 3.
Beerworth, Jesse A., Ashville, N. C. Lumber-splicing machine. 1,796,185; Mar. 10.
Beeson, Joseph W., East St. Louis, assignor to J. E. Corson, Belleville, Ill. Cigar vending machine. 1,820,341; Aug. 25.
Beetem, Frank G., Philadelphia, Pa. Method of and apparatus for controlling the charge of storage batteries 1,791,156; Feb. 3.
Beetem, Frank G., Philadelphia, Pa. Electrolytic rectifier. 1,816,038; July 28.
Beetem, Frank G., Philadelphia, Pa. Controlling the charge of storage batteries. 1,833,349; Nov. 24.
Beetem, Samuel H., Benicia, Calif., assignor to Rex Research Corporation, Toledo, Ohio. Bait bottle. 1,821,288; Sept. 1.
Begeman, Myron L., St. Louis, Mo., assignor to Mississippi Glass Company, New York, N. Y. Making sheet glass. 1,817,055; Aug. 4.
Begeman, Myron L., and P. F. Gutmann, St. Louis, Mo., assignors to Mississippi Glass Company, New York, N. Y. Apron control of glass machines. 1,791,263; Feb. 3.
Beggs, Frank B., Sherrill, N. Y. Adjustable skirt for shirts. 1,816,068; July 28.
Beghetti, Peter, San Francisco, Calif. Rod bending apparatus. 1,820,426; Aug. 25.
Bégin, Arthur A., Lisbon Falls, Me. Boiler. 1,800,047; Apr. 7.
Begue, Frederick F., and J. A. McIntosh, assignors to Standard Tube and Manufacturing Company, Detroit, Mich. Closure for a filler opening for receptacles. 1,805,562; May 19.
Beguelin, Armand. (See Maire, A., and Beguelin.)
Behan, Thomas W., Binghamton, N. Y., assignor to Nineteen Hundred Corporation. Wringer. 1,817,603; Aug. 4.
Behan, Thomas W., Binghamton, N. Y., assignor to Nineteen Hundred Corporation. Clothes wringer. 1,817,604; Aug. 4.
Behan, Thomas W., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Washing machine tub. 1,826,236; Oct. 6.
Behan, Thomas W., assignor to The Nineteen Hundred Washer Company, Inc., Binghamton, N. Y. Washing machine. 1,832,352; Nov. 17.
Behimer, Otto, Chicago, Ill., assignor to The Texas Company, New York, N. Y. Distillation. 1,806,732; May 26.
Behimer, Otto, Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treating oil. 1,835,748; Dec. 8.
Behle, Joseph. (See Woodford, B. C., Behle, and Conrad.)
Behle, Joseph, assignor to The Murray Company, Dallas, Tex. Rib grinding machine. 1,819,353; Aug. 18.
Behle, Joseph, T. W. Aven, and H. Linnartz, assignors to The Murray Company, Dallas, Tex. Press box latch. 1,804,854; May 12.
Behle, Joseph, G. E. King, and H. C. Blackmon, assignors to The Murray Company, Dallas, Tex. Automatic tramper control mechanism. 1,826,198; Oct. 6.
Behle, Joseph, and H. Linnartz, assignors to The Murray Company, Dallas, Tex. Press box door counterbalancing device. 1,812,281; June 30.
Behler, Earl E., assignor to W. C. Hopson Company, Grand Rapids, Mich. Poultry feeding or watering trough. 1,799,946; Apr. 7.
Behler, Ernest J., Michigan City, Ind. Rail-tie structure. 1,796,701; Mar. 17.
Behm, Alexander, Kiel, Germany. Acoustic sounding apparatus. 1,830,254; Nov. 3.
Behm, Homer, Chicago, Ill. Treating mineral oil material. 1,813,882; July 7.
Behm, Homer, Tulsa, Okla. Treatment of petroleum oils. 1,813,883; July 7.
Behm, Homer, Belmar, N. J. Treatment of mineral oil material. 1,813,884; July 7.
Behm, Homer, Belmar, N. J. Treating oils and product thereof. 1,813,885; July 7.
Behm, Homer, Belmar, N. J. Producing oil-soluble material and product thereof. 1,813,886; July 7.
Behm, Wilhelm, New York, N. Y. Holder for collapsible containers. 1,839,079; Dec. 29.
Behncke, Herman. (See Marx, K., Behncke, and Brodersen.)
Behncke, Hermann. (See Marx, K., Behncke, and Zobel.)
Behne, Karl A., San Juan, Porto Rico. Sugar cane cutter. 1,802,307; Apr. 21.
Behnke, Cord H. (See Townsend, G. H., and Behnke.)
Behnke, George W., and L. E. Soldan, assignors to Simplicity Engineering Company, Durand, Mich. Vibrating screen. 1,787,852; Jan. 6.
Behnke, Guy E., assignor to Reed Roller Bit Company, Houston, Tex. Roller bit. 1,810,120; June 16.
Behnke, Guy E., assignor to Reed Roller Bit Company, Houston, Tex. Roller bit. 1,816,203; July 28.
Behnke, Guy E., assignor to Reed Roller Bit Company, Houston, Tex. Drill cutter mounting. 1,816,204; July 28.
Behr, Leo, Ithaca, N. Y. Educational apparatus. 1,807,615; June 2.
Behr, Leo, assignor to Leeds & Northrup Company, Philadelphia, Pa. Conductivity cell. 1,807,821; June 2.
Behr, Moritz, Houston, Tex. Cigarette and match container. 1,829,628; Oct. 27.
Behr, Siegfried, New York, N. Y. Game board. Des. 85,855; Dec. 29.
Behrendt, Adele M. (See Behrendt, Edgar W. H. and A. M.)
Behrendt, Edgar W. H. and A. M., San Antonio, Tex. Gas burner for incubators. 1,837,400; Dec. 22.
Behrendt, Jacob W., San Francisco, Calif. Bottle. 1,817,912; Aug. 11.
Behrens, George G. (See Bittorf, L. A., and Behrens.)
Behringer, Emil, and G. W. Cocks, New York, N. Y. Apparatus for warming ice cream molds. 1,834,760; Dec. 1.
Behringer, Grover F., assignor to The American Steel Package Company, Defiance, Ohio. Condenser. 1,799,080; Mar. 31.
Behringer, Karl. (See Pungs, W., and Behringer.)
Behrman, Abraham S., Chicago, Ill. Separator plate. Re18,214; Sept. 29.
Behrman, Abraham S., Chicago, Ill., assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Base exchange material and making same. 1,806,663; May 26.
Behrman, Abraham S., Chicago, Ill., assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Siliceous material and producing the same. 1,811,531; June 23.
Behrman, Abraham S., assignor to General Zeolite Company, Chicago, Ill. Material preparation. 1,819,354; Aug. 18.

Behrman, Abraham S., Chicago, Ill., assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Preparing natural base exchange silicates and product thereof. 1,838,171; Dec. 29.
Behrman, E., Inc. (See Contessa, James, assignor.)
Behrman, Emanuel, New York, N. Y. Pocketbook. 1,835,749; Dec. 8.
Behrman, Marcus B., Brooklyn, assignor to S. Klein, New York, N. Y. Seal. 1,790,695; Feb. 3.
Behrman, Marcus B., Brooklyn, assignor to Samuel Klein, New York, N. Y. Seal. 1,791,342; Feb. 3.
Behrman, Marcus B., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Razor. 1,791,550; Feb. 10.
Behrman, Marcus B., Brooklyn, assignor to The Lox Seal Corporation, Brooklyn, N. Y. Tag-securing means. 1,791,551; Feb. 10.
Behrman, Marcus B., assignor, by mesne assignments, to The American Safety Razor Corporation, Brooklyn, N. Y. Razor. 1,794,137; Feb. 24.
Behrman, Marcus B., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Razor. 1,798,447; Mar. 31.
Behrman, Marcus B., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Safety razor. 1,798,448; Mar. 31.
Behrman, Marcus B., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Safety razor 1,798,449; Mar. 31.
Behrman, Marcus B., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Safety razor. 1,805,509; May 19.
Beidler, Donald C., trustee. (See Beidler, D. C., and Viken.)
Beidler, Donald C., and A. J. Viken, Chicago, Ill., assignors to D. C. Beidler, trustee. Tilt back for cameras and the like. 1,796,315; Mar. 17.
Beidler, Donald C., and A. J. Viken, New York, N. Y., assignors to said Beidler, trustee. Camera and the like. 1,833,668; Nov. 24.
Beidler, Elliott W., Elyria, and A. C. Roessler, Lakewood, assignors to Romec Corporation, Elyria, Ohio. Hydraulic shock absorber. 1,804,141; May 5.
Beidler, George C., Rochester, N. Y. Camera bellows support. 1,807,273; May 26.
Beidler, George C., Rochester, N. Y. Film straightening device. 1,807,274; May 26.
Beidler, George C., Rochester, N. Y. Photographic focus indicator. 1,819,065; Aug. 18.
Beidler, George C., Rochester, N. Y. Developing trays. 1,819,536; Aug. 18.
Beidler, George C., Rochester, N. Y. Automatic focusing device for photographing apparatus. 1,821,923; Sept. 8.
Beidler, George C., Rochester, N. Y. Film treating apparatus. 1,828,798; Oct. 27.
Beiger, Fred S., assignor to The Eustis Specialty Co., Los Angeles, Calif. Track for sliding sash. 1,814,503; July 14.
Beiler, Edward A., Dubuque, Iowa. Body support for coffins. 1,806,990; May 26.
Beilgard, Harvey A., Los Angeles, Calif. Pastry shell forming machine and method. 1,801,323; Apr. 21.
Beilgard, Harvey A., Beverly Hills, Calif. Retractable light assembly. 1,801,537; Apr. 21.
Beilgard. Harvey A., Los Angeles. Calif. Ice cream vending machine. 1,833,815; Nov. 24.
Beimling, William A., and F. B. Peterson, assignors to National Brake & Electric Company, Milwaukee, Wis. Cooling system. 1,826,040; Oct. 6.
Beisel, Rex B., Hempstead, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Aeroplane. 1,825,301; Sept. 29.
Beisel, Rex B., East Hempstead, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Aeronautical propeller. 1,832,275; Nov. 17.
Beissel, P. G., executor. (See Towner, Heber F., assignor.)
Beistle Company, The. (See Luhrs, Henry E., assignor.)
Beitler, Frederic V. (See Stubler, Andrew J. and H. A., assignors.)
Beitman, Albert B., Cleveland Heights, Ohio. Windshield operating mechanism. 1,797.396; Mar. 24.
Beitman, Albert B., Cleveland Heights, Ohio. Windshield. 1,821,903; Sept. 1.
Bek, Ernst G. (See Brunhubner, Georg, assignor.)
Bek, Ernst G. (See Smith, Joseph A., assignor.)
Bek, Ernst G. (See Wirth, R., and Bittrolf, assignors.)
Bekk. Julius, Berlin-Steglitz, assignor to the Firm Dr. Bekk & Kaulen Chemische Fabrik G. m. b. H., Berlin-Lichterfelde, Germany. Photochemically producing printing forms. 1,802,936; Apr. 28.
Bekk. Dr., & Kaulen Chemische Fabrik G. m. b. H. (See Bekk, Julius, assignor.)
Bekkens, Henri, Calais, France. Lace. Des. 84,617; July 14.
Belash, Constantine A., Boston, Mass. Card holder. 1,812,077; June 30.
Belcher, Daniel, assignor to Bemis Bro. Bag. Co., Minneapolis, Minn. Bag-filling apparatus. 1,791,654; Feb. 10.
Belcher, Donald M., Arlington, assignor to Coffin Valve Company, Neponset, Mass. Controlling device for power operated valves. 1,829,708; Oct. 27.
Belcher, Mary J., Walkerville, Ontario, Canada. Combination cooker and freezer. 1,794,436; Mar. 3.
Belcher, Walter E., Winnipeg, Manitoba, Canada. Electric iron. 1,806,383; May 19.
Belden, Albert G. (See Silven, H. A., and Belden.)
Belden, Albert G., and G. C. Naromore, assignors to Norton Company, Worcester, Mass. Speed control device for grinding machines. 1,811,873; June 30.
Belden, Albert G., and C. G. Trefethen, assignors to Norton Company, Worcester, Mass. Grinding machine. 1,806,664; May 26.
Belden, Clyde W., Shreveport, La., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass forming machine. 1.836,356; Dec. 15.
Belden, Daniel S., assignor to Filtrol Company of California, Los Angeles, Calif. Purifying used crank case oil. 1,823,185; Sept. 15.
Belden, Hugh A. (See Smith, W. A., and Belden.)
Belden Manufacturing Company. (See Anderson, Lawrence H., assignor.)
Belden Manufacturing Company. (See Andre, Gustaf E., assignor.)
Belden Manufacturing Company. (See Ratzer, William, assignor.)
Belden Manufacturing Company. (See Wermine, Hugo H., assignor.)
Belden Manufacturing Company. (See Woodruff, James E., assignor.)
Beldimano, Alexander, Rotterdam, Netherlands. Container for gases or liquids under high pressure. 1,817,226; Aug. 4.
Belding, Elmer C., Whittier, assignor to National Tool and Metals, Incorporated, Torrance, Calif. Hard facing alloy. 1,811,487; June 23.
Belding, George A., assignor to Aluminum Company of America, Pittsburgh, Pa. Fastening corrugated sheets and the like. 1,822,558; Sept. 8.
Belding, George A., assignor to Aluminum Company of America, Pittsburgh, Pa. Fastening corrugated sheets and the like. 1,822,559; Sept. 8.
Belfils, Georges, Belfort, France, assignor to General Electric Company. Dynamo-electric machine. 1,819,860; Aug. 18.
Belgard, Austin B., Chicago, Ill., assignor to Continental Frame Corporation, Rochester, N. Y. Bridge for an opthalmic mounting. Des. 85.631; Dec. 1.
Belgard, Austin B., Chicago, Ill., assignor to Continental Frame Corporation, Rochester, N. Y. Bridge for an ophthalmic mounting. Des. 85,632; Dec. 1.
Belgard, Wilferd L., Newton, Kans. Ice carrier. 1,817,056; Aug. 4.
Belile, John A. (See Somersgale, C. W., and Belile.)
Belin, Edouard, Paris, France. Mechanical movement. 1,807.889; June 2.
Belin, Edouard, Paris, France. Method of and apparatus for picture transmission. 1,821,416; Sept. 1.
Belknap, George J., Bridgeport, Conn. Quick opening valve. 1,804.586; May 12.
Bell, Alfred B., assignor to Hale & Kilburn Co., Philadelphia, Pa. Reclining seat. 1,803,835; May 5.
Bell, Alfred B., assignor to Hale & Kilburn Co., Philadelphia, Pa. Individual chair. 1,819,808; Aug. 18.
Bell, Alonzo C. and Thaddeus R., Westfield, N. J. Preliminarily heating internal combustion engines. 1,806,442; May 19.
Bell, Arthur W., assignor, by mesne assignments, to Kraft-Phenix Cheese Corporation, Chicago, Ill. Sheet feeding mechanism. 1,810,898; June 23.
Bell, Arthur W., Chicago, and E. E. Eldredge, Wilmette, assignors, by mesne assignments, to Kraft-Phenix Cheese Corporation, Chicago, Ill. Packaging method and apparatus. 1,816,202; July 28.
Bell, Benjamin R., Bartow, Fla. Fountain pen. 1,811,992; June 30.
Bell, Catherine M., Seattle, Wash. Device for dispensing the equipment necessary for the practice of feminine hygiene. 1,811,345; June 23.
Bell, Charles H., assignor, by mesne assignments, to Eaton Axle & Spring Company, Cleveland, Ohio. Receptacle closure. 1,833,928; Dec. 1.
Bell, Charles W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,802,368; Apr. 28.
Bell, Curtis A., Edmond, Okla. Book cover or similar article. Des. 84,971; Sept. 1.
Bell, Donald H., Beverly, Mass. Producing shoe soles of molded plastic composition. 1,817,287; Aug. 4.
Bell, Eugene G., Norfolk, Va. Brake cylinder protector. 1,822,722; Sept. 8.
Bell, Frank B., Pittsburgh, Pa. Key bolt. 1,799,404; Apr. 7.
Bell, Frank B., Pittsburgh, Pa. Key bolt. 1,803,090; Apr. 28.
Bell, Frank B., assignor to edgewater Steel Company, Pittsburgh, Pa. Forming car wheels. 1,833,201; Nov. 24.
Bell, Frank B., Pittsburgh, and B. W. Dunham, Oakmont, assignors to Edgewater Steel Company, Pittsburgh, Pa. Making rings for springs. 1,798,301; Mar. 31.
Bell, Frank B. and O. R. Wikander, assignors to Edgewater Steel Company, Pittsburgh, Pa. Making heavy duty springs. 1,801,994; Apr. 21.
Bell, Frank H., Ferndale, Mich., assignor to Triplex Safety Glass Company of North America, New York, N. Y. Apparatus for sealing laminated glass. 1,823,525; Sept. 15.

Bell, Fred C., and S. Skelly, Alameda, Calif., assignors, by mesne assignments, to American Fork & Hoe Company, Cleveland, Ohio. Lawn rake. Re17,980; Feb. 24.
Bell, George F., Tulsa, Okla. Wire line drilling clamp. 1,835,455; Dec. 8.
Bell & Gossett Company. (See Daley, Walter A., assignor.)
Bell, Harold S., Summit, N. J. Apparatus for batch distillation of mineral oils. 1,836,061; Dec. 15.
Bell, Harry A., Providence, R. I., assignor to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Water bottle or similar article. Des. 85,805; Dec. 22.
Bell, Harry A., assignor to The Mechanical Rubber Company, Chicago, Ill. Making floor coverings. 1,816,822; Aug. 4.
Bell, Harvey W., Ardsley-on-the-Hudson, assignor to The Beloyt Corporation, New York, N. Y. Vehicle suspension. 1,791,520; Feb. 10.
Bell, Harvey W., Ardsley-on-Hudson, assignor to The Beloyt Corporation, New York, N. Y. Nonrigid body mountings. 1,798,580; Mar. 31.
Bell, Herbert P. (See Kent, T. J., and Bell.)
Bell & Howell Company, The. (See Howell, Albert S., assignor.)
Bell & Howell Company, The. (See Stechbart, Bruno, assignor.)
Bell & Howell Company, The. (See Ziebarth, Charles A., assignor.)
Bell, Hugh G., and T. W. Ross, Sale, England, assignors to Westinghouse Electric and Manufacturing Company. Protective relay for alternating current systems. 1,834,373; Dec. 1.
Bell, Hugo L., assignor to Lesquendieu, Inc., New York, N. Y. Toilet-accessories container. Des. 83,488; Mar. 3.
Bell, Ivan C., assignor to The Guiberson Corporation, Dallas, Tex. Tubing stripper. 1,801,995; Apr. 21.
Bell, Ivan C., assignor to The Guiberson Corporation, Dallas, Tex. Tubing stripper. 1,823,233; Sept. 15.
Bell, Ivan C., assignor to The Guiberson Corporation, Dallas, Tex. Adapter for casing heads. 1,823,234; Sept. 15.
Bell, James & Co. Proprietary Limited. (See Innes, William R. D., assignor.)
Bell, James H. (See Tiffany, Tolbert K., assignor.)
Bell, John E., Brooklyn, N. Y., assignor to Sinclair Refining Company, Chicago, Ill. Distillation of oil. 1,795,070; Mar. 3.
Bell, John E., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Water back for steam generators. 1,826,933; Oct. 6.
Bell, John E., Brooklyn, N. Y., and J. Anderson, Milwaukee, Wis., assignors to Foster Wheeler Corporation, New York, N. Y. Apparatus for utilizing radiant heat in heating fluids. 1,802,456; Apr. 28.
Bell, John P., Baltimore, and J. H. Gunther, Arbutus, Md. Combined tooth cleaning and gum massaging device. 1,833,555; Nov. 24.
Bell, John W., Kendal, Saskatchewan, Canada. Beater or mixer. 1,788,479; Jan. 13.
Bell, Joseph D., San Francisco, Calif. Davenport. 1,789,094; Jan. 13.
Bell, Joseph D., San Francisco, Calif. Exercising machine. 1,796,682; Mar. 17.
Bell, Joseph D., San Francisco, Calif. Storeroom for vehicles. 1,800,495; Apr. 14.
Bell, Joseph D., San Francisco, Calif. Davenport. 1,800,496; Apr. 14.
Bell, Joseph D., San Francisco, Calif. Davenport, bed. 1,800,497; Apr. 14.
Bell, Lawrence D. (See Rombach, John C., assignor.)
Bell, Lawrence D., Los Angeles, and J. C. Rombach, Glendale, Calif., said Rombach assignor to said Bell. Cigar and cigarette lighter. 1,819,319; Aug. 18.
Bell, Louis N., Saulte Ste. Marie, Mich. Pontoon house boat. 1,825,613; Sept. 29.
Bell, Morris. (See Snee, W., and Bell.)
Bell Punch and Printing Co. Limited, The. (See Webb, Christopher F., assignor.)
Bell, R. J., Company. (See Bell, Robert J., assignor.)
Bell, Ray H., assignor to Auto Choke Signal, Inc., Denver, Colo. Signal for choke-control devices and the like. 1,799,351; Apr. 7.
Bell, Richard E., St. Louis County, Mo. Tie plate. 1,834,890; Dec. 1.
Bell, Robert J., assignor to R. J. Bell Company, Inc., Jacksonville, Fla. Barrel-forming machine. 1,793,351; Feb. 17.
Bell, Robert J., Baltimore, Md., assignor to R. J. Bell Company, Inc., Jacksonville, Fla. Method of and apparatus for forming metal barrels. 1,793,352; Feb. 17.
Bell, Robert J., assignor to R. J. Bell Company, Inc., Jacksonville, Fla. Fastening means for metal barrels. 1,826,918; Oct. 13.
Bell, Samuel D. (See Overton, James W., assignor.)
Bell Telephone Laboratories, Incorporated, et al. (See Abbott, H. H., and Entz, assignors.)
Bell Telephone Laboratories, Incorporated. (See Adams, Edgar W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Adams, William J., jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Arnold, Harold D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Aster, Alvin K., assignor.)
Bell Telephone Laboratories, Incorporated. (See Atwood, George F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Barry, Joseph F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Benjamin, John C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bennett, A. F., and Mitchell, assignors.)
Bell Telephone Laboratories, Incorporated. (See Björnson, Björn G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Black, Harold S., assignor.)
Bell Telephone Laboratories, Inc. (See Blattner, David G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Blount, Nelson, assignor.)
Bell Telephone Laboratories, Incorporated. (See Bode, Hendrik W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Borgmann, Charles, assignor.)
Bell Telephone Laboratories, Incorporated. (See Bowman, Herman N., assignor.)
Bell Telephone Laboratories, Incorporated. (See Broadwell, Howard, assignor.)
Bell Telephone Laboratories, Incorporated. (See Brobst, David R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bruce, Edmond, assignor.)
Bell Telephone Laboratories, Incorporated. (See Bruce, E., and Friis, assignors.)
Bell Telephone Laboratories, Incorporated. (See Buckley, O. E., and Hartley, assignors.)
Bell Telephone Laboratories, Incorporated. (See Burchett, George W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Burns, R. M., and Warner, assignors.)
Bell Telephone Laboratories, Incorporated. (See Burton, Everett T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Busch, Aloysius J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Campbell, Thaddeus C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Carpenter, Warren W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Carpenter, W. W., Dahl, Davis, and Kittredge, assignors.)
Bell Telephone Laboratories, Incorporated. (See Casper, William L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ceccarini, Olindo O., assignor.)
Bell Telephone Laboratories, Incorporated. (See Cesareo, Orfeo, assignor.)
Bell Telephone Laboratories, Incorporated. (See Chaplin, Merle P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Chestnut, R. W., Fisher, and Sanial, assignors.)
Bell Telephone Laboratories, Incorporated. (See Clarke, Harry R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Clausen, Henry P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Clokey, Allison A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Clokey, A. A., and Burton, assignors.)
Bell Telephone Laboratories, Incorporated. (See Clokey, A. A., and Knoop, assignors.)
Bell Telephone Laboratories, Incorporated. (See Collis, Raymond E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Cruser, Victor L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Cummings, George C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Curley, Thomas V., assignor.)
Bell Telephone Laboratories, Incorporated. (See Curtis, Austen M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Curtis, A. M., and Burton, assignors.)
Bell Telephone Laboratories, Incorporated. (See Dahl, J. F., and Davis, assignors.)
Bell Telephone Laboratories, Incorporated. (See Dickieson, Alton C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dixon, Amos F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dobson, Ellsworth S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dowd, A. D., Kerr, and Locke, assignors.)
Bell Telephone Laboratories, Incorporated. (See Draper, John B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dudley, Homer W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dunham, Bert G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dunham, B. G., assignor, and Fairbairn.)
Bell Telephone Laboratories, Incorporated. (See Elmen, Gustaf W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Elmer, Lloyd A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Englund, Carl R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Flanders, Paul B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Fowler, Clarence B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Friedl, G. jr., and Gastonguay, assignors.)
Bell Telephone Laboratories, Incorporated. (See Friis, Harald T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Fry, Thornton C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Fry, T. C., and Struik, assignors.)
Bell Telephone Laboratories, Incorporated. (See Fultz, Miles E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gabriel, J. C., and Hubbard, assignors.)
Bell Telephone Laboratories, Incorporated. (See Gent, Edgar W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gilbert, John J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Goff, Harold W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Goff, H. W., and Forsberg, assignors.)
Bell Telephone Laboratories, Incorporated. (See Gooderham, John W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
Bell Telephone Laboratories, Incorporated. (See Grimley, Donald G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hague, Alfred E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Harris, James E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Harrison, H. C., and Anderson, assignors.)
Bell Telephone Laboratories, Incorporated. (See Hartley, Ralph V. L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Harvey William H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hayward, John M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Heising, Raymond A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hersey, Ralph E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hinshaw, Foster A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hogg, John L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hopkins, Irving L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Horton, Arthur W., jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Horton, Joseph W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hoyland, Henry, assignor.)
Bell Telephone Laboratories, Incorporated. (See Hoyt, Frederick A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Jensen, Axel G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Johnson, Herbert B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Johnson, Kenneth S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Johnson, L. H., and Stokely, assignors.)
Bell Telephone Laboratories, Incorporated. (See Jones, Edmond, assignor.)
Bell Telephone Laboratories, Incorporated. (See Jones, T. A., and Phelps, assignors.)
Bell Telephone Laboratories, Incorporated. (See Jones, Warren C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kahl, William E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Keith, Clyde R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Keller, Arthur C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Keller, A. C., and Norton, assignors.)
Bell Telephone Laboratories, Incorporated. (See Kelsall, George A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kemp, Archie R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kerr, Mark B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kille, Lindley A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kinkead, Fullerton S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Klein, Charles H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Knoop, William A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Knowlton, A. D., and Everett, assignors.)
Bell Telephone Laboratories, Incorporated. (See Koechling, Charles D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Korn, F. A., and Entz, assignors.)
Bell Telephone Laboratories, Incorporated. (See Krom, Myron E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kuhn, Walter, assignor.)
Bell Telephone Laboratories, Incorporated. (See Labaugh, J. M., and Miller, assignors.)
Bell Telephone Laboratories, Incorporated. (See Lane, Clarence E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lathrop, Hubbel, assignor.)
Bell Telephone Laboratories, Incorporated. (See Legg, Victor E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Llewellyn, Frederick B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lum, George R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lunsford, Robert L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lutomirski, Karel, assignor.)
Bell Telephone Laboratories, Incorporated. (See Mahoney, J. A., and Zitzmann, assignors).
Bell Telephone Laboratories, Incorporated. (See Malles, Ralph E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Manderfeld, Emanuel C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Marrison, Warren A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Massonneau, Robert F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mathes, Robert C., assignor.)
Bell Telephone Laboratories, Incorporated. See Mathison, David W., assignor.)
Bell Telephone Laboratories, Incorporated. (See McNeill, George A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Means, Winthrop J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Melick, John M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Meszar, John, assignor.)
Bell Telephone Laboratories, Incorporated. (See Miller, D. D., and Pratt, assignors.)
Bell Telephone Laboratories, Incorporated. (See Miller, Ohmer R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Miller, Robert A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mills, Percy E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Moore, Charles R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Morton, Edmund R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mueller, Emil C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Murphy, Paul B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Nelson, Edward L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Norton, Edward L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ogg, Robert A., assignor.)
Bell Telephone Laboratories, Incorporated. (See O'Neill, Henry W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Paine, Robert C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Pascarella, Anthony J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Penn, Julius H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Perreault, George E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Peterson, Eugene, assignor.)
Bell Telephone Laboratories, Incorporated. (See Peterson, E., and Evans, assignors.)
Bell Telephone Laboratories, Incorporated. (See Powell, Albert C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Pratt, Edward J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Pritchard, William T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Rapelje, John A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Rettenmeyer, Francis X., assignor.)
Bell Telephone Laboratories, Incorporated. (See Riesz, Robert R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ronci, Victor L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ryan, Francis M., assignor.)
Bell Telephone Laboratories, Incorporated. (See St. John, Everett, assignor.)
Bell Telephone Laboratories, Incorporated. (See Scharringhausen, William H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Schelleng, John C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Scudder, Frederick J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Shangle, Amos H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Shann, Oscar A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Sherman, Russel J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Siegmund, Humphreys O., assignor.)
Bell Telephone Laboratories, Incorporated. (See Sivian, Leon J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Smith, Edmund B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Smythe, Edwin H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Smythe, E. H., and Flanders, assignors.)
Bell Telephone Laboratories, Incorporated. (See Spencer, C. G., and Hall, assignors.)
Bell Telephone Laboratories, Incorporated. (See Stacy, Leland J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Steinberg, John C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stevenson, George H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stocker, Closman P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stokely, Ray L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stoller, Hugh M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stryker, Norman R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Terry, Roy V., assignor.)
Bell Telephone Laboratories, Incorporated. (See Voos, Frederick A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wegel, Raymond L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Weinhart, Howard W., assignor.)
Bell Telephone Laboratories, Incorporated. (See White, J. H., and Legg, assignors.)
Bell Telephone Laboratories, Incorporated. (See Whiting, Donald F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Whitney, Wiley, assignor.)
Bell Telephone Laboratories, Incorporated. (See Whittle, Horace, assignor.)
Bell Telephone Laboratories, Incorporated. (See Whittle, H. and Christopher, assignors.)
Bell Telephone Laboratories, Incorporated. (See Whittle, H., and Hilton, assignors.)
Bell Telephone Laboratories, Incorporated. (See Williams, Samuel B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wilson, J. R., and Blackburn, assignors.)
Bell Telephone Laboratories, Incorporated. (See Wood, E. B., and Eliason, assignors.)
Bell Telephone Laboratories, Incorporated. (See Zupa, Frank A., assignor.)
Bell, Thaddeus R. (See Bell, Alonzo C. and T. R.)
Bell, Thomas W., Parkersburg, W. Va. Jar. 1,813,015; July 7.
Bell, Thomas W., Parkersburg, W. Va. Joint lock. 1,837,648; Dec. 22.
Bell, Thomas W., and T. C. Rogers, assignors to Acme Fishing Tool Co., Parkersburg, W. Va. Link. 1,806,733; May 26.
Bell, Walter G., St. Augustine, Fla. Water heater. 1,793,579; Feb. 24.
Bell, William E. H., Glenside, Pa., assignor, by mesne assignments, to H. W. Butterworth & Sons Company. Dyeing machine construction. 1,818,032; Aug. 11.
Bell, William H., North Olmsted, Ohio. Signal timing device. 1,818,983; Aug. 18.
Bell, William R., Terre Haute, Ind. Poster copy conditioning machine. 1,828,759; Oct. 27.
Bell, William T., Lincoln County, and J. F. Bennett, Dronfield, England. Marking lines on roads, tennis courts, and the like. 1,837,099; Dec. 15.
Bell, William T., Lincoln, and F. J. Bretherton, London, England. Mechanically propelled vehicle. 1,837,100; Dec. 15.
Bellamy, Finis, Redford, Mich. Safety device for street cars. 1,813,139; July 7.
Bellamy, Harry T., River Forest, and J. C. Smith, Wilmette, Ill. Tubular boiler. 1,826,411; Oct. 6.
Bellamy, John I., Brookfield, assignor to Reserve Holding Company, Chicago, Ill. Selector switch. 1,787,771; Jan. 6.
Bellamy, John I., Brookfield, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,791,702; Feb. 10.
Bellamy, John I., Brookfield, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,804,822; May 12.
Bellamy, John I., Brookfield, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telegraph system. 1,810,198; June 16.
Bellamy, John I., Brookfield, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,837,195; Dec. 22.
Bellanca Aircraft Corporation. (See Bellanca, Guiseppe M., assignor.)
Bellanca, Guiseppe M., assignor to Bellanca Aircraft Corporation, New Castle, Del. Exhaust manifold. Re18,115; June 30.
Bellanca, Giuseppe M., assignor to Bellanca Aircraft Corporation, New Castle, Del. Landing gear for airplanes. Re18,226; Oct. 20.
Bellanca, Guiseppe M., Wilmington, Del. Seaplane. 1,790,894; Feb. 3.
Bellanca, Guiseppe M., Wilmington, Del. Airplane landing gear. 1,835,368; Dec. 8.
Bellanca, Guiseppe M., Wilmington, Del. Air plane construction. 1,835,369; Dec. 8.
Bellanca, Guiseppe M., Wilmington, Del. Airplane fuel tank. 1,835,370; Dec. 8.
Bellanca, Guiseppe M., Wilmington, Del. Airplane landing gear. 1,835,371; Dec. 8.
Bellantoni, Rocco, Rome, Italy. Speed changing device for motor cars. 1,808,449; June 2.
Bellavance, Paul, Attleboro, Mass., assignor to Louis Stern Company, Providence, R. I. Chain. 1,788,974; Jan. 13.
Bellavance, Paul, Attleboro, Mass., assignor to Louis Stern Company, Providence, R. I. Bracelet structure. 1,830,187; Nov. 3.
Bellavance, Paul, Attleboro, Mass., assignor to Louis Stern Company, Providence, R. I. Ornamental chain. 1,830,188; Nov. 3.
Bellavance, Paul J., Attleboro, Mass. Penholder. 1,795,824; Mar. 10.
Bellay, Julien, Brussels, Belgium. Device for continuously producing pure hydrogen. 1,815,090; July 21.
Bellay, Julien, Brussels, Belgium. Preparing soda-lime to be used in the manufacture of pure hydrogen. 1,826,722. Oct. 13.
Belle City Malleable Iron Company. (See Finn, Charles A., assignor.)
Bellem, Louis H. L., Asnieres, and E. C. Foss, Neuilly-sur-Seine, France. Fuel atomizer. 1,793,154; Feb. 17.
Bellemere, Stanley L., Reading, Pa. Box structure. 1,817,913; Aug. 11.
Beller, Hans. (See Luther, M., and Beller.)
Belleville, Harry C., Oakland, Calif. Airplane landing field. 1,830,978; Nov. 10.
Bellevue Mfg. Company, The. (See Barker, Eros V., assignor.)
Bellhouse, William S., assignor to The Fine Cotton Spinners & Doublers Association Limited, Manchester, England. Winding machine. 1,834,328; Dec. 1.
Bellinger, James F., assignor, by mesne assignments, to Rush Manufacturing Corporation, Lafayette, Ind. Extensible trunk. 1,817,504; Aug. 4.
Bellingeri, Mario, Monza, Italy. Creel for warp beams. 1,808,339; June 2.
Bellinghausen, Walter, assignor to Swift and Company, Chicago, Ill. Container for molding and cooking hams. 1,835,628; Dec. 8.
Bellini, Ettore, Paris, France. Loop antenna. 1,799,208; Apr. 7.
Bellini, Ettore, assignor to Société Francaise Radio Electrique, Paris, France. Radio receiving apparatus. 1,789,350; Jan. 20.
Bellis, Arthur E., Branford, Conn. Heating salt baths for heat treatment of metals. 1,792,674; Feb. 17.
Bellman, Edward, Rockford, Ill. Burglar alarm and lock therefor. 1,808,491; June 2.
Bello, Rosario, Trenton, N. J. Detachable rubber heel. 1,800,590; Apr. 14.
Bello, Rosario, New York, N. Y. Cushion tire for vehicles. 1,813,603; July 7.
Bellocchio, Nino, New York, N. Y. Fire extinguisher. 1,791,343; Feb. 3.
Belloch, Morris, Brooklyn, N. Y. Buckle and making the same. 1,822,796; Sept. 8.
Bellone, Alfred F. S., Lyon, assignor to Société des Usines Chemiques Rhône Poulenc, Paris, France. Production of potassium manganate. 1,826,594; Oct. 6.
Bellows, Emma L., New York, N. Y. Fountain applicator. 1,806,517; May 19.
Bellows, Henry W. (See Bodwell, P. D., and Bellows.)
Bellows, Warren S., East Orange, N. J. Folding table construction. 1,794,362; Mar. 3.
Bellows, Warren S., East Orange, N. J. Table top. 1,817,433; Aug. 4.
Bells, George A., Pasadena, Calif. Radius gauge. 1,796,979; Mar. 17.
Bells City Malleable Iron Company. (See Anderson, Russell J., assignor.)
Belmont Clock Company. (See Chirelstein, Harry, assignor.)
Belmonte, Daniel. (See Ducroux, Louis G., assignor.)
Beloit Iron Works. (See Aldrich, A., and Berry, assignors.)
Beloit Iron Works. (See Berry, Earl E., assignor.)
Belokopytoff, Alexander J., assignor, by mesne assignments, to K. L. Mayehoff, Norwalk, Conn. Dyeing textile fabrics. 1,814,783; July 14.
Beloyt Corporation, The. (See Bell, Harvey W., assignor.)
Belser, Herman, San Francisco, Calif. Pressure oven heat and air regulated. 1,802,328; Apr. 28.
Belshaw, Walter, Seattle, Wash. Doughnut machine. 1,806,326; May 19.

Belsley, Joseph P. (See Grether, E. F., and Belsley.)
Belt, Charley E., Jenkins, Ky. Vehicle chassis. 1,818,838; Aug. 11.
Belt, Fred R., Chicago, Ill. Igniter. Des. 84,730; July 28.
Belt, Joseph S., Amarillo, Tex. Separating and utilizing constituents of natural gas. 1,817,908; Aug. 11.
Belt, Joseph S., Amarillo, and E. M. Ladd, Fort Worth, Tex. Refrigerating apparatus. 1,817,605; Aug. 4.
Belt, Thomas A. E., Schenectady, N. Y., assignor to General Electric Company. Electrical distribution system. 1,816,717; July 28.
Belton, John M., Wheeling, W. Va., and C. H. Verwohlt, St. Clairsville, Ohio, assignors to Wheeling Steel Corporation, Wheeling, W. Va. Rolling sheet metal. 1,821,751; Sept. 1.
Bélugou, Léon, Bellevue, France. Altimeter. 1,830,419; Nov. 3.
Beman, Ransom H., assignor to Couzens Ice Machine Company, Detroit, Mich. Compressor. 1,789,694; Jan. 20.
Bement, Nahum C., Rockford, Ill. Driving mechanism. 1,823,872; Sept. 22.
Bemis, Albert F., Newton, assignor to Bemis Industries, Inc., Boston, Mass. Building unit. 1,796,316; Mar. 17.
Bemis, Albert F., Newton, assignor to Bemis Industries, Incorporated, Boston, Mass. Inclosure. 1,803,091; Apr. 28.
Bemis, Albert F., Newton, assignor to Bemis Industries, Inc., Boston, Mass. Building construction. 1,810,891; June 23.
Bemis, Albert F., Newton, assignor to Bemis Industries Inc., Boston, Mass. Toy building construction. 1,830,382; Nov. 3.
Bemis Bro. Bag Company. (See Allen, Henry H., assignor.)
Bemis Bro. Bag. Co. (See Belcher, Daniel, assignor.)
Bemis Bro. Bag Company. (See Brady, Charles V., assignor.)
Bemis Bro. Bag Co. (See Geimer, William J., assignor.)
Bemis Bro. Bag Co. (See Litchfield, Isaac W., assignor.)
Bemis Bro. Bag Co. (See Pierce, Robert E., assignor.)
Bemis Industries, Inc. (See Batcheller, Clements, assignor.)
Bemis Industries, Inc. (See Bemis, Albert F., assignor.)
Bemis Industries Inc. (See Litchfield, Isaac W., assignor.)
Bemis Industries, Incorporated. (See Raynes, Harry C., assignor.)
Bemis, J. S., trustee. (See Armstrong, Charles H., assignor.)
Bemis, Ken E., Los Angeles, Calif., assignor to Fountain Products Corporation. Food product and making the same. 1,807,189; May 26.
Bemis, Kenneth E., Glendale, Calif. Building structure. Des. 85,317; Oct. 13.
Bemis, Pardon M., Babylon, N. Y. Washstand. 1,799,079; Mar. 31.
Benander, George B., Yalesville, assignor, by mesne assignments, to The Monowatt Electric Corporation, Bridgeport, Conn. Heater connecter. 1,832,685; Nov. 17.
Bénard, Henri L. M. J., Paris, assignor to Anciens Etablissements Barbier, Benard & Turenne, Société Anonyme, Paris, France. Shadowless lighting apparatus. 1,806,384; May 19.
Benbow, David F., assignor to Yocum Brothers, Inc., Reading, Pa. Display box. 1,825,332; Sept. 29.
Bencker, Ralph B., and B. E. Howden, assignors to Horn & Hardart Baking Co., Philadelphia, Pa. Advertising sign. Des. 84,618; July 14.
Bencker, Ralph B., and B. E. Howden, assignors to Horn & Hardart Baking Co., Philadelphia, Pa. Advertising sign. Des. 84,619; July 14.
Benda, Jaroslav, Prague, Czechoslovakia. Insole for boots and the like. 1,808,943; June 9.
Bendelari, Frederico N., Joplin, Mo. Ore jig. 1,794,824; Mar. 3.
Bender, Beatrice M. (See Bender, Elizabeth D., assignor.)
Bender, Elizabeth D., assignor of one-half to Beatrice M. Bender, Clearfield, Iowa. Flowerpot. 1,810,236; June 16.
Bender, Frank M. (See McCormick, J. H., Allen, and Bender.)
Bender, Frederick W., Louisville, Ky. Umpire's belt. 1,814,887; July 14.
Bender, Hallock J. (See Bender, Paul G. and H. J.)
Bender, Harry W., and E. V. Myers, Dayton, Ohio; said Bender assignor to said Myers. Bath cabinet. 1,790,364; Jan. 27.
Bender, Paul G. and H. J., Bethany, Mo. Propeller structure. 1,835,372; Dec. 8.
Bender, Raymond C., West Palm Beach, Fla. Acoustic device. 1,804,306; May 5.
Bender, Robert C., Davenport, Iowa. Humidifier and dust collectors. 1,799,494; Apr. 7.
Bender, Sydney E., Brooklyn, assignor to Benze-Perfection Sample Card Co., Inc., New York, N. Y. Sample card. 1,824,460; Sept. 22.
Bender, William A., and R. Douglas, Rochester, and L. H. Cuthbert, Fairport, assignors, by mesne assignments, to General Foods Corporation, New York, N. Y. Process and medium for decolorizing and deflavoring colloidal solutions. 1,787,467; Jan. 6.
Bendheim, Clarence D., assignor to The Peggy O'Neal Cigar Corporation, New York, N. Y. Magazine carton for vending machines. 1,791,344; Feb. 2.
Bendig, Albert W. (See Williams, C. E., and Bendig.)
Bending, E. A. (See Fantz, Fred C., assignor.)
Bendix Aviation Corporation. (See Lorenzen, Christian, assignor.)
Bendix Aviation Corporation. (See Morris, William L., assignor.)
Bendix Aviation Corporation. (See Perrot, Henri, assignor.)
Bendix Aviation Corporation. (See Perrot, H., and Calvignac, assignors.)
Bendix Aviation Corporation. (See Semmes, Harry H., assignor.)
Bendix Aviation Corporation. (See Stelzer, William, assignor.)
Bendix Brake Company. (See Andres, William J., assignor.)
Bendix Brake Company. (See Andres, W. J., and Waffle.)
Bendix Brake Company. (See Apple, Vincent G., assignor.)
Bendix Brake Company, (See Bastien, Paul, assignor.)
Bendix Brake Company. (See Bendix, Vincent, assignor.)
Bendix Brake Company. (See Bendix, V., and La Brie, assignors.)
Bendix Brake Company. (See Cautley, John R., assignor.)
Bendix Brake Company. (See Delahaye, Walter H., assignor.)
Bendix Brake Company. (See Dodge, Adiel Y., assignor.)
Bendix Brake Company. (See Dodge, A. Y., and Pollard, assignors.)
Bendix Brake Company. (See Dodge, A. Y., and Sanford, assignors.)
Bendix Brake Company. (See Frank, Frederick C., assignor.)
Bendix Brake Company. (See Gallup, David L., assignor.)
Bendix Brake Company. (See Girling, Albert H. G., assignor.)
Bendix Brake Company. (See Goepfrich, Rudolph A., assignor.)
Bendix Brake Company. (See Hirvonen, E. J., and Tuttle, assignors.)
Bendix Brake Company. (See Houston, George F., assignor.)
Bendix Brake Company. (See Humphrey, Raymond C., assignor.)
Bendix Brake Company. (See La Brie, Ludger E., assignor.)
Bendix Brake Company. (See Long, Leland E., assignor.)
Bendix Brake Company. (See Lyford, Robert E., assignor.)
Bendix Brake Company. (See Lyman, Kenneth E., assignor.)
Bendix Brake Company. (See McConkey, Montgomery W., assignor.)
Bendix Brake Company. (See McDonald, Eugene G., assignor.)
Bendix Brake Company. (See Michael, Gus F., assignor.)
Bendix Brake Company. (See Mox, George F., assignor.)
Bendix Brake Company. (See Norton, Raymond J., assignor.)
Bendix Brake Company. (See Parker, G. E., and Stahlhuth, assignors.)
Bendix Brake Company. (See Peterson, John W., assignor.)
Bendix Brake Company. (See Price, Jacob L., assignor.)
Bendix Brake Company. (See Sanford, Roy S., assignor.)
Bendix Brake Company. (See Seaholm, E. W., Barker, and Stahlhuth, assignors.)
Bendix Brake Company. (See Semmens, Harry H., assignor.)
Bendix Brake Company. (See Taylor, C. H., and La Brie, assignors.)
Bendix Brake Company. (See Taylor, Eugene V., assignor.)
Bendix Brake Company. (See Thomas, George J., assignor.)
Bendix Brake Company. (See Van Buskirk, Robert N., assignor.)
Bendix Brake Company. (See Whitworth, Stanley, assignor.)
Bendix-Cowdrey Brake Tester, Inc. (See Donavan, Paul J., assignor.)
Bendix-Cowdrey Brake Tester, Inc. (See Graham, L. L., and Flood, assignors.)
Bendix Stromberg Carburetor Company. (See Dalrymple, William P., assignor.)
Bendix Stromberg Carbureter Company. (See Dienner, John A., assignor.)
Bendix, Vincent. (See Snyder, Parke T., assignor.)
Bendix, Vincent, Chicago, Ill. Braking system. 1,799,495; Apr. 7.
Bendix, Vincent, Chicago, Ill. Engine starter. 1,827,867; Oct. 20.
Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Brake control. Re18,083; June 2.
Bendix, Vincent, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,801,408; Apr. 21.
Bendix, Vincent, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,822,687; Sept. 8.
Bendix, Vincent, Chicago, Ill., and L. E. La Brie, South Bend, Ind., assignors to Bendix Brake Company, Chicago, Ill. Brake. 1,790,650; Feb. 3.

Bendix, Vincent, Chicago, Ill., and L. E. La Brie, assignors to Bendix Brake Company, South Bend, Ind. Brake. 1,838,131; Dec. 29.
Benedict, Abraham, et al., trustees. (See Bonsall, Seymour W., assignor.)
Benedict, Charles. (See Eckstine, Fred G., assignor.)
Benedict, Charles D., Sturgis, Ky. Electrical heater. 1,813,270; July 7.
Benedict, Charles F., assignor of two-thirds to K. C. Seelbach Company, New York, N. Y. Plier handles of sheet metal. 1,801,243; Apr. 14.
Benedict, Charles H. (See Anthony, W. C., Benedict, and Wachter.)
Benedict, Edward L., and R. L. Glose, Pittsburgh, Pa., assignors to The Philip Carey Manufacturing Company. Paving joint and making the same. Re18,188; Sept. 15.
Benedict, Edwin B., New York, N. Y., and A. S. Langbein; said Langbein assignor to F. W. Klinger & Langbein Co., Philadelphia, Pa. Holder for cards or the like. 1,791,703; Feb. 10.
Benedict, Frank, Rutherford, N. J., assignor to General Railway Signal Company, Rochester, N. Y. Power interlocking system for railroads. 1,824,112; Sept. 22.
Benedict, Frank, Rutherford, N. J., assignor to General Railway Signal Company, Rochester, N. Y. Power interlocking system for railroads. 1,824,113; Sept. 22.
Benedict, William H., Coscob, Conn., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Portable percussive tool. 1,792,888; Feb. 17.
Benedict, William H., Sound Beach, Conn., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Spring balancing device. 1,794,825; Mar. 3.
Benedix, Paul H., Chicago, Ill. Fluid pressure motor. 1,813,526; July 7.
Benenati, Nicholas, New York, N. Y. Foot rest. Des. 85,412; Oct. 27.
Benerman, Watkins, El Paso, Tex. Illuminated sign. 1,818,879; Aug. 11.
Benes, Josef, Vsetin, Czechoslovakia. Liquid fuel pump for internal combustion engines. 1,819,015; Aug. 18.
Benes, Josef, Vsetin, Czechoslovakia. Liquid fuel pump for internal combustion engines. 1,831,699; Nov. 10.
Benesh, Matthew E., Cicero, Ill. Thermostat. 1,808,282; June 2.
Benesh, Matthew E., Cicero, Ill. Thermostat. 1,808,283; June 2.
Benetatos, Andrew G., New York, N. Y. Skate. 1,811,532; June 23.
Benevolent and Protective Order of Elks of The United States of America. (See Connolly, Stephen, assignor.)
Beneze, Henry H., assignor to The G. Franke Sons Company, Baltimore, Md. Tinsel winding machine. 1,837,752; Dec. 22.
Benfield, Ronald, Calgary, Alberta, Canada. Self starter. 1,793,459; Feb. 24.
Benforado, Alexander, New York, N. Y. Lady's hand bag. 1,793,899; Feb. 24.
Benford, David M., New York, N. Y. Electric necktie restorer. Des. 85,452; Oct. 27.
Benford, David M., New York, N. Y. Electric necktie restorer. 1,817,731; Aug. 4.
Benger, Frederick, Montreal, assignor of one-half to D. Angus, Hamstead, Quebec, Canada. Locomotive stop valve. 1,794,830; Mar. 3.
Benger, William F. A., Montreal, Quebec, Canada. Locomotive cab. 1,796,357; Mar. 17.
Bengtson, Martin B., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Device for introducing teat-cup liners into teat-cups. 1,793,454; Feb. 24.
Bengtson, Sven L., London, England, assignor to Morgan Construction Company, Worcester, Mass.. Gas producer. 1,833,816; Nov. 24.
Benham, Dallas B. (See Shaw, W. E. V., Benham, and Benham.)
Benham, Edgar M., Norwood, Ohio, assignor to The Mosler Lock Company, Covington, Ky. Interchangeable key lock. 1,826,595; Oct. 6.
Benham, Leon L., Irondequoit, B. D. Chamberlin, and A. W. Cartwright, assignors to Richardson Corporation, Rochester, N. Y. Beverage dispenser. 1,789,211; Jan. 13.
Benham, Roy H. (See Shaw, W. E. V., Benham, and Benham.)
Benien, William, and E. Gislar, Lincoln, Kans. Grass and weed burner. 1,799,035; Mar. 31.
Beniest, Gerardus F. (See Polderman, Pieter, assignor.)
Benington, Charles H. (See Stein, I. L., and Benington.)
Benison, H. G., et al. (See Coates, Jasper C., assignor.)
Benjamin Air Rifle Company. (See Mihalyi, Frank, assignor.)
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Cotton picker. 1,801,996; Apr. 21.
Benjamin, Bert R., Oak Park, and C. Pearson, Chicago, Ill., assignors to International Harvester Company. Mower hitch. 1,819,587; Aug. 18.
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Traction wheel. 1,831,989; Nov. 17.
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Cultivator attachment for tractors. 1,831,990; Nov. 17.
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Cultivator tooth mounting. 1,838,355; Dec. 29.
Benjamin, Charles A., West Bridgewater, Mass. Stub and ash receptacle for automobiles. 1,817,288; Aug. 4.
Benjamin, David, Cleveland Heights, assignor to The Gabriel Company, Cleveland, Ohio. Ball and socket connection. 1,814,999; July 14.
Benjamin, David, Cleveland Heights, assignor to The Gabriel Company, Cleveland, Ohio. Indicator. 1,815,004; July 14.
Benjamin Electric Mfg. Co. (See Benjamin, Reuben B., assignor.)
Benjamin Electric Manufacturing Company. (See Campbell, Guy, assignor.)
Benjamin Electric Manufacturing Company. (See Juergens, John, assignor.)
Benjamin Electric Manufacturing Company. (See Leinen, Arthur P., assignor.)
Benjamin Electric Mfg. Co. (See Phillips, Paul D., assignor.)
Benjamin, Eric, et al. (See Greiner, Josef, assignor.)
Benjamin, Fred P., Watseka, Ill. Radio receiving system. 1,788,975; Jan. 13.
Benjamin, Harry S., Detroit, Mich. Vending machine. 1,804,492; May 12.
Benjamin, Harry S., Utica, N. Y. Leveling device. 1,825,848; Oct. 6.
Benjamin, John C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound reproducing system. 1,811,841; June 30.
Benjamin, John C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric translating device. 1,836,569; Dec. 15.
Benjamin, John M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,800,205; Apr. 14.
Benjamin, John M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Foxing cementing. 1,829,779; Nov. 3.
Benjamin, Merrill G., Lakewood, Ohio. Combustion control. 1,826,644; Oct. 6.
Benjamin, Merrill G., Lakewood, Ohio. Combustion control system. 1,836,786; Dec. 15.
Benjamin, Ralph, assignor of one-third to J. Nelarico, Schenectady, N. Y. Ignition lock. 1,834,891; Dec. 1.
Benjamin, Reuben B., Chicago, assignor to Benjamin Electric Mfg. Co., Des Plaines, Ill. Lighting fixture. Des. 83,485; Feb. 24.
Benjamin, Reuben B., assignor to Benjamin Electric Mfg. Company, Chicago, Ill. Radio frequency amplifying system. 1,807,300; May 26.
Benjamin, Walter R., Granite City, Ill. Foot propelled vehicle. 1,799,947; Apr. 7.
Benjamins, Israel, assignor to R. Benjamins, Brooklyn, N. Y. Fluid motor. 1,804,493; May 12.
Benjamins, Rose. (See Benjamins, Israel, assignor.)
Benke, Joseph, et al. (See Schuler, Eugene, assignor.)
Benkert, John, and E. Straub, Chicago, Ill. Smoke cleaner. 1,814,582; July 14.
Benn, Edward H. (See Moore, B., and Benn.)
Benner, Edward, et al. (See Drennon, William M., assignor.)
Benner, Harry P., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for treating oils. 1,839,010; Dec. 29.
Benner, Harry P. (See Egloff, G., and Benner.)
Benner, Harry P. (See Morrell, J. C., and Benner.)
Benner, Raymond C., Bayside, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Incorporated. Battery charging system. 1,823,780; Sept. 15.
Benner, Raymond C., Niagara Falls, and E. S. Capron, Buffalo, assignors to The Carborundum Company, Niagara Falls, N. Y. Making electrical resistances. 1,814,583; July 14.
Benner, Raymond C., and G. J. Easter, assignors to The Carborundum Company, Niagara Falls, N. Y. Refractory article and furnace lining made therefrom. 1,789,131; Jan. 13.
Benner, Raymond C., Bayside, and A. P. Thompson, Jackson Heights, assignors to General Chemical Company, New York, N. Y. Producing elemental sulphur. 1,795,705; Mar. 10.
Benner, Raymond C., Niagara Falls, and G. H. Porter, La Salle, assignors to The Carborundum Company, Niagara Falls, N. Y. Reversible and irreversible thermo plastic bonded abrasive articles. 1,825,771; Oct. 6.
Benner, Raymond C., G. J. Easter, Niagara Falls, N. Y., and C. E. Hawke, Metuchen, N. J., assignors to The Carborundum Company, Niagara Falls, N. Y. Rotatable furnace. 1,827,833; Oct. 20.
Benner, Raymond C., Niagara Falls, and A. P. Thompson, Long Island City, assignors to General Chemical Company, New York, N. Y. Recovery of sulphur from sulphur dioxide. 1,836,357; Dec. 15.
Benner, Raymond C., and G. J. Easter, Niagara Falls, N. Y., and C. E. Hawke, Metuchen, N. J., assignors to The Carborundum Company, Niagara Falls, N. Y. Electric furnace. 1,837,178; Dec. 15.
Benner, Raymond C., G. J. Easter, Niagara Falls, N. Y., and C. E. Hawke, Metuchen, N. J., assignors to The Carborundum Company, Niagara Falls, N. Y. Operation of silicon carbide resistors in protective atmospheres. 1,837,179; Dec. 15.

Benner, Russell E., Middletown, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,812,855; July 7.
Bennett, Albert W., Newark, Ohio. Collapsible shoe last. 1,828,640; Oct. 20.
Bennett, Alexander H., London, England. Recovery of essential oils from lemons and other fruits of trees of the genus citrus. 1,814,888; July 14.
Bennett, Alice V., London, England. Keyboard operated musical instrument. 1,805,863; May 19.
Bennett, Arthur F., Richmond Hill, and C. E. Mitchell, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alarm system. 1,792,479; Feb. 17.
Bennett, Azzel C., assignor to Gifford-Wood Company, Hudson, N. Y. Bucket for material-handling plants. 1,791,882; Feb. 10.
Bennett Box Co. (See Bennett, Wallace C., assignor.)
Bennett Box Co. (See Boughton, Willis A., assignor.)
Bennett, Charles A. (See Allen, G. N., and Bennett.)
Bennett, Charles A., Tallulah, La. Ginning cotton with air-blast gins. 1,827,183. Oct. 13.
Bennett, Charles B., assignor to Bennett Mills, Incorporated, Philadelphia, Pa. Textile fabric. Des. 83,143; Jan. 27.
Bennett, Charles W., assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Making sheets and plates. 1,812,508; June 30.
Bennett, Claude C., assignor to A. E. Feragen, Inc., Seattle, Wash. Axle press. 1,815,180; July 21.
Bennett, Claude C., assignor to A. E. Feragen, Inc., Seattle, Wash. Wheel gauge. 1,818,677; Aug. 11.
Bennett, Claude C., assignor to A. E. Feragen, Inc., Seattle, Wash. Axle press. 1,818,678; Aug. 11.
Bennett, Claude C., assignor to A. E. Feragen, Inc., Seattle, Wash. Axle press. 1,818,679; Aug. 11.
Bennett, Claude C., assignor to A. E. Feragen, Inc., Seattle, Wash. Axle-twisting device. 1,818,680; Aug. 11.
Bennett, Clement K., assignor to O. E. Frank Heater & Engineering Co., Inc., Buffalo, N. Y. Heat interchanger. 1,831,337; Nov. 10.
Bennett Cleo, North Tonawanda, N. Y. Doll or similar article. Des. 84,731; July 28.
Bennett Cleo, North Tonawanda, N. Y. Doll or similar article. Des. 84,732; July 28.
Bennett, Delbert, Detroit, Mich. Articulator. 1,798,518; Mar. 31.
Bennett, Edwin O., Ponca City, Okla., assignor of one-half to Emsco Derrick & Equipment Company and one-half to The National Supply Company, Toledo, Ohio. Crown block. Re18,147; Aug. 4.
Bennett, Ernest W., Ottumwa, Iowa. Woodworking machine. 1,816,069; July 28.
Bennett, Frank. (See Hallowell, H. T., and Bennett.)
Bennett, Frank, assignor to Standard Pressed Steel Co., Jenkintown, Pa. Platform. 1,832,759; Nov. 17.
Bennett, Frank, and H. T. Hallowell, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Portable sign frame. 1,828,239; Oct. 20.
Bennett, Frank I., jr., Highland Park, and D. R. Knapp, Stelton, assignors to Johnson & Johnson, New Brunswick, N. J. Tape holder. 1,837,180; Dec. 15.
Bennett, George L., Cleveland Heights, Ohio. Tread for shoe heels. 1,815,091; July 21.
Bennett, George L., Cleveland Heights, Ohio. Wall tiling. 1,829,976; Nov. 3.
Bennett, George R., assignor by mesne assignments, to Line Material Company, South Milwaukee, Wis. Insulator-supporting fixture. 1,797,219; Mar. 24.
Bennett, George W., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Automatic control for cone crushers. 1,808,914; June 9.
Bennett, Harold C. (See Knowlton, R. W., and Bennett.)
Bennett, Harry, Brooklyn, N. Y. Emulsifying water insoluble substances. 1,807,563; May 26.
Bennett, Harry T., Tulsa, Okla. Treating crude petroleum. 1,820,295; Aug. 25.
Bennett, Harry T., Tulsa, Okla., assignor to The Atlantic Refining Company. Separating wax from mineral oils. 1,820,645; Aug. 25.
Bennett, Harry T., and L. G. Story, Tulsa, Okla., said Story assignor to Josiah Chatfield, Cleveland, Ohio. Lubricating oil and making the same. 1,806,735; May 26.
Bennett, Harry T., L. G. Story, and H. B. Beckley, Tulsa, Okla.; said Story assignor to Josiah Chatfield, Cleveland, Ohio. Lubricating oil. 1,806,734; May 26.
Bennett, Horace M., and S. J. Boman, Margaret, Tex. Clipper sharpener. 1,824,531; Sept. 22.
Bennett, Howard J., Denver, Colo., assignor to Union Trust Company, Detroit, Mich., as trustee. Tire gauge. 1,800,196; Apr. 14.
Bennett, Incorporated. (See Brown, George A., assignor.)
Bennett, Incorporated. (See Clapp, Albert L., assignor.)
Bennett, Irving T. (See Murray, T. E., jr., and Bennett.)
Bennett, Irving T., Brooklyn, N. Y., assignor, by mesne assignments, to Metropolitan Engineering Company. Radiator. 1,796,317; Mar. 17.
Bennett, Irving T., Brooklyn, N. Y., assignor, by mesne assignments, to Metropolitan Engineering Company. Bimetallic protective coating for iron tubes. 1,802,695; Apr. 28.
Bennett, Irving T., Brooklyn, and J. D. Soehner, St. Albans, N. Y., assignors, by mesne assignments, to Murray Radiator Corporation. Hanger for radiators. 1,834,931; Dec. 8.
Bennett, James C., Detroit, Mich. Soot blower for boilers. 1,811,346; June 23.
Bennett, James F. (See Bell, W. T., and Bennett.)
Bennett, James H. (See Fisher, Thomas, assignor.)
Bennett, James L., assignor to Hercules Powder Company, Wilmington, Del. Method and apparatus for denitrating acid mixtures and concentrating acid mixtures. 1,832,853; Nov. 24.
Bennett, John C., et al. (See Haubert, Leo, assignor.)
Bennett, John L., Decatur, assignor to U. S. Manufacturing Corporation, Decatur, Ill. Utensil. 1,814,784; July 14.
Bennett, John L., assignor to W. S. Manufacturing Corporation, Decatur, Ill. Fork. 1,837,751; Dec. 22.
Bennett, John P., Witton, Birmingham, England. Separable fastener. 1,813,434; July 7.
Bennett, Louis J. (See Christensen, H. K., and Bennett.)
Bennett, Merrill, Hillsboro, N. H. Cigarette mold. 1,797,315; Mar. 24.
Bennett Mills, Incorporated. (See Bennett, Charles B., assignor.)
Bennett, Morris H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Rheostat. 1,793,580; Feb. 24.
Bennett, Morris H., Waterbury, Conn., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Acoustic signal mechanism. 1,797,120; Mar. 17.
Bennett, Morris H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Variable condenser control. 1,809,371; June 9.
Bennett, Morris H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Temperature control system and apparatus. 1,819,588; Aug. 18.
Bennett, Morris H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Fuse. 1,828,277; Oct. 20.
Bennett Pumps Corporation. (See Bennett, T. B., and Prescott, assignors.)
Bennett, Ray A. (See Bailey, H. S., and Bennett.)
Bennett, Raymond B., assignor to Montague Rod & Reel Company, Montague City, Mass. Fishing reel. 1,816,889; Aug. 4.
Bennett, Reo, Cachoeria, Bahia, Brazil. Device for killing mosquito larvæ. 1,831,476; Nov. 10.
Bennett, Roze E., assignor of one-half to W. H. Sutcliffe and L. Parker, Miami, Fla. Brassière. 1,815,664; July 21.
Bennett, Sam C., Birmingham, Ala. Cement-waterproofing solution. 1,791,704; Feb. 10.
Bennett, Stevens A., Chicago, Ill. Can closing machine. 1,813,984; July 14.
Bennett, Thomas B., and L. A. Prescott, assignors to Bennett Pumps Corporation, Muskegon, Mich. Two sided dispensing pump. 1,815,698; July 21.
Bennett, Thomas R. (See Quick, C. G., and Bennett.)
Bennett, Wallace C., Hingham, Mass. Linings for shoes and the like. 1,823,721; Sept. 15.
Bennett, Wallace C., Hingham, assignor to Bennett Box Co., Boston, Mass. Stiffening member for boots and shoes. 1,825,625; Sept. 29.
Bennett, Walter E., and L. J. Bishop, assignors to Mechanical Handling Systems, Inc., Detroit, Mich. Trolley conveyor. 1,826,412; Oct. 6.
Bennett, Walter J., Hudson, Mass. Universal sandal for footwear. 1,810,514; June 16.
Benninghoff, Daniel W. (See McKinley, William, assignor.)
Bennington, Albert, Ridley Park, Pa. Portable blackboard renovator. 1,810,336; June 16.
Bennington, Charles S., Pen Argyl, Pa. Artificial bait or lure. 1,790,456; Jan. 27.
Bennington, Earl T., Cleveland Heights, assignor to The Cleveland Crane and Engineering Company, Wickliffe, Ohio. Carrier system for foundries. 1,789,860; Jan. 20.
Bennington, Earl T., Cleveland Heights, assignor to The Cleveland Crane and Engineering Company, Wickliffe, Ohio. Testing apparatus. 1,794,100; Feb. 24.
Bennington, Earl T., Cleveland Heights, assignor to The Cleveland Crane and Engineering Company, Wickliffe, Ohio. Overhead carrier. 1,794,826; Mar. 3.
Bennington, Earl T., Cleveland Heights, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Overhead traveling carrier. 1,799,209; Apr. 7.
Bennington, Earl T., Cleveland Heights, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Material handling system. 1,802,550; Apr. 28.
Bennington, Earl T., Cleveland Heights, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Overhead traveling carrier. 1,818,374; Aug. 11.
Bennington, Earl T., Cleveland Heights, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Warehouse loading system. 1,833,556; Nov. 24.
Bennis, Alfred W., Bolton, England. Chain grate. 1,807,502; May 26.
Bennison, William E., Wandsworth Borough, England, assignor to R. Hoe & Co., Inc., New York, N. Y. Plate printing machine. 1,811,379; June 23.
Bennison, William E., Wandsworth, London, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Plate printing machine. 1,815,895; July 28.

Benoit, Joseph P., Alton, Ill., assignor to Owens-Illinois Glass Company. Glassware forming machine. 1827,698; Oct. 13.
Benoit, Leon. (See Coyle, A. W., assignor.)
Benoit, Leon. (See Kanabay, E. Joseph, assignor.)
Benoit, Leon. (See Sugerman, Louis, assignor.)
Benoit, Samuel J. (See Fridolph, John S., assignor.)
Bens, Samuel J., assignor to Chain Saw Corporation, New York, N. Y. Chain links for efficient engagement with power pulleys. 1,830,083; Nov. 3.
Bensch, Benjamin V., Bonin, Mont. Weeder. 1,788,272; Jan. 6.
Benscheidt, Carl, jr. (See Black, C., and Benscheidt.)
Benson, Arthur E., Boston, assignor to Draper Corporation, Hopedale, Mass. Loom filling fork and protector controlling mechanism. 1,826,685; Oct. 6.
Benson, Dewey J., Chicago, Ill. Bushing. 1,788,612; Jan. 13.
Benson, Edward F., Woodcliff on Hudson, N. J. Collapsible running gear. 1,793,353; Feb. 17.
Benson, Edward F., Woodcliff-on-Hudson, N. J. Collapsible handle. 1,802,400; Apr. 28.
Benson, Edward L., New London, Conn. Mold for battery post connecters. 1,798,519; Mar. 31.
Benson, Edwin P., New York, N. Y. Paper to be used for bank checks or for like purposes. Des. 83,590; Mar. 10.
Benson, Eric, et al. (See Cooper, John, assignor.)
Benson, Fred F. (See Musgrove, C. A., and Benson.)
Benson, Harry F., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Deep-well pump. 1,796,702; Mar. 17.
Benson, Henry K., Seattle, Wash. Making sulphite pulp from Douglas fir and other resinous conifers. 1,805,799; May 19.
Benson, Joseph S., Davenport, Iowa. Starter for outboard motors. 1,789,423; Jan. 20.
Benson, Madison H., Austin, Tex. License plate holder. 1,808,627; June 2.
Benson, Merrill L., assignor, by mesne assignments, to Super Radiator Corporation, Minneapolis, Minn. Heat exchanger. 1,812,509; June 30.
Benson, Ross L., Lake Villa, Ill. Lock. 1,794,055; Feb. 24.
Benson, Stewart F., and W. I. Peterson, Brainerd, Minn. Drier. 1,803,421; May 5.
Bent, Frank A. (See Parker, C. K., and Bent.)
Bent, Leavitt N., Holly Oak, Del., and A. C. Johnston, Kenvil, N. J., assignors to Hercules Powder Company, Wilmington, Del. Ester gum and method of producing. 1,820,265; Aug. 25.
Bentley, Edward M., Lawrence, N. Y. Switch crane. 1,798,581; Mar. 31.
Bentley, Elwin S., et al. (See Derby, Thomas N., assignor.)
Bentley Engineering Company, The. (See Bentley, P. A., Manger, and Wainwright, assignors.)
Bentley & Jackson Limited. (See Nuttall, Thomas B., assignor.)
Bentley, Jetson O., Beacon, N. Y., assignor to General Electric Company. Transmission of pictures. 1,788,227; Jan. 6.
Bentley, John F., Detroit, Mich. Latch handle. 1,797,282; Mar. 24.
Bentley, John F., Detroit, Mich. Faucet. 1,797,283; Mar. 24.
Bentley, Oliver D. H., Norfolk, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Elastic-fluid turbine. 1,790,196; Jan. 27.
Bentley, Oliver D. H., Norfolk, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Packing. 1,813,016; July 7.
Bentley, Percival A., C. F. Manger, and C. T. Wainwright, assignors to The Bentley Engineering Company, Leicester, England. Knitting machine. 1,838,651; Dec. 29.
Bentley, Rowland, assignor to Budd Wheel Company, Philadelphia, Pa. Wheel. Des. 83,715; Mar. 24.
Benton, Daniel M., Macon, Ga. Vehicle check for railway crossings. 1,791,997; Feb. 10.
Benton, Frank H., Topeka, Kans. Link-block-controlling means for locomotive-valve action. 1,798,863; Mar. 31.
Benton, James O., Guthrie, Iowa. Butcher's gambrel. 1,817,869; Aug. 4.
Bentz, Edwin C., Glendale, Calif. Rotary saw. 1,813,435; July 7.
Bentz, Frank J. (See Eaton, Robert W., assignor.)
Benz, Carl, Biesdorf, near Berlin, assignor to Siemens-Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany. Flanged coupling for conduits. 1,817,289; Aug. 4.
Benz, Charles F., Providence, R. I. Rubber heel. 1,820,043. Aug. 25.
Benz, George R. (See Harlow, F. J., and Benz.)
Benz, Henry J., Racine, Wis. Flower vase. Des. 85,569; Nov. 17.
Benz, Louis, Denver, Colo. Tire rim. 1,811,109; June 23.
Benze-Perfection Sample Card Co. (See Bender, Sydney E., assignor.)
Benzel, Carl R., Greeley, Colo. Hand mower. 1,805,864; May 19.
Benzel, Carl R., Greeley, Colo. Cultivator attachment. 1,805,865; May 19.
Benziger, Bernard A., South Orange, N. J. Tabernacle safe. 1,829,256; Oct. 27.
Benzon, Axel. (See Miller, T. B., and Benzon.)
Benzon, Frederick L. (See Cowles, Clifford W., assignor.)
Benzon, George H., jr., Jenkintown, assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Differential gear. 1,810,747; June 16.
Benzon, George H., jr., Jenkintown, assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Feed mechanism. 1,835,842; Dec. 8.
Beppu, Shichiro, Tokyo, Japan. Turn indicator for motor vehicles. 1,836,150; Dec. 15.
Beraud, Armand, and G. Jacquet, La Rochelle, France. Flow meter. 1,788,976; Jan. 13.
Berbeck, Trian, Baltimore, Md. Method and apparatus for increasing the lift of airplanes. 1,804,307; May 5.
Berberian, Krikor A., Richfield Park, N. J. Puncture-proof vehicle tire. 1,795,104; Mar. 3.
Berdell, Theodore V. D. (See Holz, August, assignor.)
Berdon, Albert E., Detroit, assignor to A C Spark Plug Company, Flint, Mich. Liquid fuel supply system. 1,826,119; Oct. 6.
Bereit, Edwin W., Mento, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Load bar. 1,833,514; Nov. 24.
Bereit, Edwin W., Mentor, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Yoke. 1,838,652; Dec. 29.
Berends, Jake, Harris, Iowa. Cultivator-beam lift. 1,793,900; Feb. 24.
Berendsen, William J. (See Ven Roy, H. J., and Berendsen.)
Berg, Alfred J., Portsmouth, N. H. Grinding machine. 1,790,651; Feb. 3.
Berg, Alfred J., Rockingham, N. H. Counterboring tool. 1,791,998; Feb. 10.
Berg, Almer A., Minneapolis, Minn. Safety device for gas stoves. 1,793,043; Feb. 17.
Berg, Christian P., Chicago, Ill. Apparatus for mortar manufacture. 1,821,289; Sept. 1.
Berg, Christy L., St. Louis, Mo. Burial vault. Des. 84,393; June 16.
Berg, Edmund F., Latah, Wash. Hand oiler. 1,838,735; Dec. 29.
Berg, Esther, executor. (See Berg, Joseph.)
Berg, Frederick A., Chicago, Ill. Toy aircraft liner. 1,829,034; Oct. 27.
Berg, Frederick A., Chicago, Ill. Aircraft liner. 1,831,055; Nov. 10.
Berg, Hart O., assignor, by mesne assignments, to Sealcones, Inc., New York, N. Y. Measuring and receptacle-filling apparatus. 1,796,279; Mar. 17.
Berg, Hart O., assignor, by mesne assignments, to Sealcones, Inc., New York, N. Y. Apparatus for making receptacles. 1,813,379; July 7.
Berg, Joseph, deceased, Long Island City, N. Y.; Esther Berg, executor. Sound deflector for portable phonographs. 1,792,063; Feb. 10.
Berg, Morris F., Los Angeles, Calif. Cloth-cutting machine. 1,799,579; Apr. 7.
Berg, Oscar F., Bloomfield, N. J. Paint brush protector. 1,834,374; Dec. 1.
Berg-Winship, Inc. (See Winship, Albert W., assignor.)
Bergara, Carlos. (See Rinderspacher, E., and Bergara.)
Bergara, Raul. (See Rinderspacher, E., and Bergara.)
Bergdoll, John G., assignor to York Ice Machinery Corporation, York, Pa. Refrigeration. 1,805,901; May 19.
Bergdoll, John G., assignor to York Ice Machinery Corporation, York, Pa. Refrigeration. 1,819,861; Aug. 18.
Bergdorfer, Eisenwerk. (See Prollius, Bernhard A. O., assignor.)
Berge, Joseph, Montclair, N. J. Lock cap for fasteners. 1,805,937; May 19.
Berge, Joseph, Montclair, N. J. Fastener. 1,830,460; Nov. 3.
Berge, Joseph, Montclair, N. J., assignor to A C Spark Plug Company, Flint, Mich. Speedometer drive mechanism. 1,812,510; June 30.
Berge, Joseph, Montclair, N. J., assignor to A C Spark Plug Company, Flint, Mich. Speedometer. 1,830,508; Nov. 3.
Bergé, Julien, assignor to Raffinerie Tirlemontoise Société Anonyme, Tirlemont, Belgium. Preliminary treatment of raw sugar, after products or the like before refining. 1,809,807; June 9.
Bergé, Julien, assignor to Raffinerie Tirlemontoise Société Anonyme, Tirlemont, Belgium. Desugaring syrups and molasses. 1,809,808; June 9.
Bergé, Julien, assignor to Raffinerie Tirlemontoise Société Anonyme, Tirlemont, Belgium. Desugaring syrups and molasses. 1,809,809; June 9.
Bergé, Julien, assignor to Raffinerie Tirlemontoise Société Anonyme, Tirlemont, Belgium. Decoloring sugar crystals. 1,811,169; June 23.
Berge, Nicolai J., Dearfield, Wis. Windshield scraper. 1,813,604; July 7.
Bergell, Clemens, Berlin-Zehlendorf, Germany. Saponifying fats and oils. 1,799,496; Apr. 7.
Bergemann, Oscar, Good Thunder, Minn. Draft bar. 1,828,385; Oct. 20.
Bergen, George B., jr., Milwaukee, Wis. Handling freight and express. 1,835,133; Dec. 8.
Bergen, Gustav, F. Engelhardt, and R. Steckham, Brunswick, Germany. Manufacturing colored Portland cement. 1,829,082; Oct. 27.
Bergen, Harold E., San Francisco, Calif. Fish-cutting machine. 1,799,948; Apr. 7.

Bergen, William V., Hillsboro, and Arthur C. Shute, Portland, Oreg., assignors to Niterday Signal Co., Portland, Oreg. Reflecting light unit. Des. 85,360; Oct. 13.
Berger Bros. Company. (See Shaw, Herbert, assignor.)
Berger, Bruno A., Richmond, Va. Carboy truck. 1,823,523; Nov. 17.
Berger, Brynjulf, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Safety device. 1,832,444; Nov. 17.
Berger, Charles, Maplewood, N. J., assignor to Groove Lock Co. Inc., New York, N. Y. Vanity case. 1,818,454; Aug. 11.
Berger, Emil J., Philadelphia, H. W. Matthews, and W. M. Schindler, assignors to Dexdale Hosiery Mills, Lansdale, Pa. Form for shaping hosiery and the like. 1,789,666; Jan. 20.
Berger, Emil J., Hatfield, and A. W. Swartz, Norristown, assignors to The Dexdale Hosiery Mills, Lansdale, Pa. Yarn moistening device. 1,804,366; May 5.
Berger, George E., Two Rivers, Wis. Structural building unit. 1,828,309; Oct. 20.
Berger, Herbert R., Brooklyn, N. Y. Tooth anchorage and connecting the same. 1,819,276; Aug. 18.
Berger, Isidore S., New York, N. Y. Mount for negatives. 1,797,750; Mar. 24.
Berger, John G., Fort Worth, Tex. Means for controlling the winding and setting means of watch movements. 1,800,498; Apr. 14.
Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Looper mechanism for sewing machines. 1,792,353; Feb. 10.
Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Seam for sewed articles. 1,833,769; Nov. 24.
Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Thread controlling mechanism for sewing machines. 1,836,895; Dec. 15.
Berger, Knute, Seattle, Wash. Spar-supporting means for use on hoisting and hauling machines. 1,798,397; Mar. 31.
Berger, Knute, Seattle, Wash. Fairleader. 1,805,800; May 19.
Berger, Knute, Seattle, Wash. Guy line and sheave means for use in connection with hoisting and hauling machines. 1,824,978; Sept. 29.
Berger, Kornel C., New York, N. Y. Ornamental guard for automobile radiators. 1,810,748; June 16.
Berger, Louis, Jamaica, N. Y. Adjustable seat. 1,827,928; Oct. 20.
Berger, Martin, Freital-Deuben, near Dresden, assignor to United Cigarette Machine Company, Aktiengesellschaft, Dresden, Germany. Apparatus for turning cigarettes right side up as they are fed to the packing machine. 1,807,723; June 2.
Berger, Martin, Freital-Deuben, near Dresden, assignor to United Cigarette Machine Company Aktiengesellschaft, Dresden, Germany. Apparatus for turning cigarettes right side up as they are fed to the packing machine. 1,809,189; June 9.
Berger, Morris W., San Francisco, Calif. Barber pole illumination. 1,808,880; June 9.
Berger, Robert, Paterson, N. J. Automatic pocket cigarette case. 1,824,461; Sept. 22.
Berger, Samuel I., Newark, N. J. Character figure group toy. Des. 84,021; Apr. 28.
Berger, Samuel I., Newark, N. J. Character figure toy. Des. 84,022; Apr. 28.
Berger, Samuel I., Newark, N. J. Mechanical toy. 1,789,095; Jan. 13.
Berger, Samuel I., Newark, N. J. Airplane toy. 1,804,737; May 12.
Berger, Samuel I., Newark, N. J. Skate. 1,807,890; June 2.
Berger, Samuel I., Newark, N. J. Mechanical figure wheeled toy. 1,827,774; Oct. 20.
Berger, Samuel I., Newark, N. J. Mechanical toy. 1,827,775; Oct. 20.
Berger, Samuel I., Newark, N. J. Toy cannon. 1,832,177; Nov. 17.
Bergerioux, René, Reuilly, France. Distributing device for distributor drills. 1,803,521; May 5.
Bergerioux, René, Reuilly, France. Distributing device for fertilizer, grain and seed drills. 1,824,532; Sept. 22.
Bergeron, Michel, Paris, France. Braking apparatus for aircraft. 1,828,641; Oct. 20.
Berges, Carl, and W. Berges, Mairenheiden, Germany. Bending machine. 1,837,196; Dec. 22.
Berges, Wilhelm. (See Berges, Carl and W.)
Bergfeld, Karl, Berlin, Germany. Gas washer. 1,812,767; June 30.
Berggren, Charles A., Los Angeles, assignor to M. B. Pendleton, San Gabriel, Calif. Liquid sampling device. 1,811,255; June 23.
Berggren, Charles E., Wilcox, Nebr. Trailer coupling. 1,812,768; June 30.
Berggren, Eric N., assignor to W. Anderson, Chicago, Ill. Spray gun. Des. 85,228; Sept. 29.
Berggren, James L. and W. B., Denver, Colo. Fire extinguisher. 1,830,822; Nov. 10.
Berggren, William B. (See Berggren, James L. and W. B.)
Bergh, Philip, assignor to Jantzen Knitting Mills, Portland, Oreg. Swimming suit. 1,828,310; Oct. 20.
Berghorn, Olga, Teaneck, N. J. Sheathe for cigarette packages. 1,809,372; June 9.

Bergling, Oskar E., Jonkoping, Sweden. Device for arranging boxes. 1,795,243; Mar. 3.
Berglund, Gustave, Valley Stream, N. Y. Sleigh. 1,791,397; Feb. 3.
Bergman, Donald J., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for vapor fractionation. 1,803,956; May 5.
Bergman, Ernest, Long Beach, Calif. Bookmarker. Des. 85,153; Sept. 22.
Bergman, Gertrude E., Fort Dodge, Iowa. Ligature holding and tying instrument. 1,816,952; Aug. 4.
Bergman, Harold H., Fergus Falls, Minn. Hay sling. 1,796,881; Mar. 17.
Bergman, Richard S., Cleveland, Ohio. Adjustable glare shield for automobiles. 1,838,653; Dec. 29.
Bergman, Zakarias N., assignor of one-half to G. M. Ferguson, Seattle, Wash. Lock nut. 1,835,262; Dec. 8.
Bergmann, Carl, et al. (See Brussow, Hermann, assignor.)
Bergmann, Carl A., Brooklyn, N. Y. Loud speaker. 1,810,337; June 16.
Bergmann, Christian N., assignor to Bergmann Packaging Machine Company, Pittsburgh, Pa. Elastic band cup dispenser. 1,808,284; June 2.
Bergmann, Fred, Philadelphia, Pa. Sanitary cap remover. 1,820,999; Sept. 1.
Bergmann Packaging Machine Company. (See Bergmann, Christian N., assignor.)
Bergmann, Philip, assignor to Columbia Steel Equipment Company, Philadelphia, Pa. Posting tray. 1,815,826; July 21.
Bergmann, William H., assignor to The American Fork & Hoe Company, Cleveland, Ohio. D Top. 1,802,166; Apr. 21.
Bergmann, William H., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Weed killer. 1,812,427; June 30.
Bergner, John C., Philadelphia, Pa., assignor to Doughnut Machine Corporation. Device for forming pastries and the like. 1,793,207; Feb. 17.
Bergner, John C., Lansdowne, Pa., assignor to Doughnut Machine Corporation. Edible-product-forming machine. 1,798,582; Mar. 31.
Bergner, John C., Lansdowne, Pa., assignor to Doughnut Machine Corporation, New York, N. Y. Cooking apparatus. 1,807,820; June 2.
Bergner, John C., Lansdowne, Pa., assignor to Doughnut Machine Corporation, New York, N. Y. Aliment forming device. 1,839,180; Dec. 29.
Bergquist, Arthur E., Lindstrom, Minn. Game. 1,812,677; June 30.
Bergquist, Charles H., assignor of one-half to E. A. Locke, Okmulgee, Okla. Fluid-lift for wells. 1,790,895; Feb. 3.
Bergquist, Hugo, Swissvale, assignor to Elliott Company, Pittsburgh, Pa. Liquid treating apparatus. 1,818,188; Aug. 11.
Bergquist, John U., Hudson, assignor to A. A. Williams, Holliston, Mass. Shoe pac. 1,826,645; Oct. 6.
Bergren, Charles G. (See Bergren, John A. and C. G.)
Bergren, John A., and C. G., Lake Park, Minn., assignors to Bergren Manufacturing Company. Potato cutting machine. 1,810,459; June 16.
Bergren Manufacturing Company. (See Bergren, John A. and C. G., assignors.)
Bergs, Frederick J., assignor to Bergs Manufacturing Company, Milwaukee, Wis. Safe. 1,829,333; Oct. 27.
Bergs Manufacturing Company. (See Bergs, Frederick J., assignor.)
Bergson, Carl B., Kansas City, Mo. Fabric cutting machine. 1,812,645; June 30.
Bergstedt, Esther, International Falls, Minn. Sewing holder. 1,819,862; Aug. 18.
Bergstein, Samuel, Cincinnati, assignor to Interstate Folding Box Company, Middletown, Ohio. Machine and method for unfolding paper trays. Re17,975; Feb. 24.
Bergstein, Samuel, Middletown, Ohio. Paper box or the like. 1,804,738; May 12.
Bergstein, Samuel, Middletown, Ohio. Making paper containers or the like. 1,833,557; Nov. 24.
Bergstein, Samuel, Middletown, assignor to The Interstate Folding Box Company, Middletown, Ohio. Machine for making paper boxes or the like. 1,808,014; June 2.
Bergstrom, Carl P., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder. 1,817,121; Aug. 4.
Bergstrom, Carl P., Millbury, Mass., and C. J. Lindegren, Providence, R. I., assignors to Crompton & Knowles Loom Works, Worcester, Mass. Box guide for loom lays. 1,803,164; Apr. 28.
Bergstrom, Carl P., Millbury, Mass., and C. J. Lindegren, Providence, R. I., assignors to Crompton & Knowles Loom Works, Worcester, Mass. Power loom. 1,811,705; June 23.
Bergstrom, Carl P., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin support for weft replenishing looms. 1,826,298; Oct. 6.
Bergström, Karl G., and A. F. Zennström, Paris, France. Treatment of woods for cellulose. 1,824,701; Sept. 22.
Bergstrom, Louis E., Neenah, Wis. Fishing-rod holder. 1,789,509; Jan. 20.
Bergundthal, Carl J., Alameda, Calif. Rail joint. 1,800,430; Apr. 14.
Bergundthal, Carl J., Alameda, Calif. Rail-crossing. 1,814,466; July 14.

Bergve, Einar, Oslo, Norway. Apparatus for producing luminous pictures in space. 1,789,212; Jan. 13.
Bergwerksverband zur Verwertung von Schutzrechten der Kohlentechnik, Gesellschaft mit beschränkter Haftung. (See Gluud, W., Keller, Schönfelder, and Klempt, assignors.)
Bering, George A., Berkeley, Calif. Button. 1,820,771; Aug. 25.
Beringer, Roscoe, Detroit, Mich. Overgear transmission. 1,788,367; Jan. 13.
Beringer, Roscoe., assignor to General Motors Corporation, Detroit, Mich. Four speed transmission. 1,820,006; Aug. 25.
Beringer, Roscoe, assignor to General Motors Corporation, Detroit, Mich. Four speed transmission. 1,823,421; Sept. 15.
Berkenvelder, Barend H., Eindhoven, Netherlands, assignor to General Electric Company. Feeding device. 1,788,228; Jan. 6.
Berkey, Hugh S. (See Segelhorst, A. L., and Berkey.)
Berkland, Thomas H., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Radio receiving circuit. Re18,055; Apr. 28.
Berkley, Richard H., Plainville, Mass., assignor to Whiting & Davis Company. Mesh attaching machine. 1,812,078; June 30.
Berkowitz, Leon L., Philadelphia, Pa. Advertising display. 1,799,036; Mar. 31.
Berkowitz, Louis, New York, N. Y. Rocket motor aeroplane. 1,838,984; Dec. 29.
Berkowitz, Max, Richmond Hill, N. Y. Lady's hand bag. Des. 84,128; May 12.
Berkshire Knitting Mills. (See Anke, Rudolph, assignor.)
Berkshire Knitting Mills. (See Apprich, Robert N., assignor.)
Berkshire Knitting Mills. (See Fox, Paul L., assignor.)
Berkshire Knitting Mills. (See Hemmerich, Hugo, assignor.)
Berkshire Knitting Mills. See Ischinger, Alfred E., assignor.)
Berkshire Knitting Mills. (See Luhn, Hans P., assignor.)
Berkshire Knitting Mills. (See Schmidt, Paul, assignor.)
Berl, Ernst, Darmstadt, Germany. Filling body for reaction and washing towers. 1,796,501; Mar. 17.
Berl, Ernst, Darmstadt, Germany. Dechlorinating water. 1,805,353; May 12.
Berl, Ernst, Darmstadt, Germany. Making active charcoal. 1,812,316; June 30.
Berland, Isaac. (See Berland, Joseph, assignor.)
Berland, Joseph, assignor to I. Berland, Cleveland, Ohio. Vending machine. 1,812,232; June 30.
Berlin Chapman Company. (See Chapman, Frank D., assignor.)
Berlin Chapman Company. (See Stocking, George E., assignor.)
Berlin, David W., Rasunda, Sweden. Heat exchange device. 1,804,083; May 5.
Berlin Foundry and Machine Company. (See Gosselin, Henry G., assignor.)
Berlin-Karlsruher Industrie-Werke A. G. (See Harwig, Gerhard, assignor.)
Berliner, Abraham. (See Bertram, J. P., and Berliner.)
Berliner, Isidor and S., New York, N. Y. Train telephonic apparatus. 1,791,487; Feb. 10.
Berliner Maschinenbau-Actien-Gesellschaft vormals L. Schwartzkopff. (See Debus, Karl, assignor.)
Berliner, Robert. (See Mieg, W., and Berliner.)
Berliner, Robert, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the acridone series. 1,833,770; Nov. 24.
Berliner, Robert, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New carbazole derivatives of the dianthraquinonylamine-acridone series. 1,837,649; Dec. 22.
Berliner, Samuel. (See Berliner, Isidor and S.)
Berlinerblau, Joseph, Warsaw, Poland. Driving spindles in textile spinning machines. 1,825,472; Sept. 29.
Berlinger, Jacob, Brooklyn, N. Y. Finger ring or similar article. Des. 84,457; June 23.
Berlowitz, Max E., Belleville, N. J., assignor to General Motors Corporation, Detroit, Mich. Gauging machine and gauge. 1,798,650; Mar. 31.
Berman, Adolph. (See Drewes, George, assignor.)
Berman, Morris, Brooklyn, N. Y. Ventilating fan. 1,838,609; Dec. 29.
Berman, Phoebus, Los Angeles, Calif. Portable sterilizing cabinet. 1,801,481; Apr. 21.
Berman, Rita, New York, N. Y. Nursery toy. Des. 83,716; Mar. 24.
Berman, Samuel, Bayonne, N. J. Electromagnetic hammer. 1,837,197; Dec. 22.
Bermel, Anthony J., Brule, Nebr. Cultivator-disk cleaner. 1,791,462; Feb. 3.
Bern, Frank, Cleveland, Ohio. Photographic printing device. 1,817,606; Aug. 4.
Bern, Frank, Cleveland, Ohio. Photographic printing device. 1,818,528; Aug. 11.
Bernadt, Walter H., Buffalo, N. Y. Conveyer control. 1,803,689; May 5.
Bernady, Raoul, Istres, assignor to Societe d'Etudes et de Construction d'Apparells de Telemecanique, Paris France. Method and device for the automatic starting of aeroplanes. 1,815,092; July 21.
Bernard, Dewey J. (See Day, C. L., and Bernard.)
Bernard, Hanns, Uerdingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Paint. 1,833,274; Nov. 24.
Bernard, Harry, Chambersburg, Pa. Wind instrument. 1,788,613; Jan. 13.
Bernard, Harry, Chambersburg, Pa. Musical wind instrument. 1,791,299; Feb. 3.
Bernard, Harry, and B. V. Ronco, Allentown, Pa., assignors to International Motor Company, New York, N. Y. Instrument board. 1,835,456; Dec. 8.
Bernard, Jacques M., Paris, France. Preparation of viscose. 1,807,370; May 26.
Bernard, James L., Toledo, Ohio. Seaplane float construction. 1,800,167; Apr. 7.
Bernard, Marcel, Paris, France. Acoustic device with sonorous membranes. 1,800,591; Apr. 14.
Bernard, Marcel, Paris, France. Diaphragm-equipped acoustic apparatus. 1,824,590; Sept. 22.
Bernard, Marie, New York, N. Y. Slipper. 1,811,380; June 23.
Bernard, William A., assignor to The W. Schollhorn Company, New Haven, Conn. Hand tool. 1,814,113; July 14.
Bernardin Bottle Cap Company. (See Spahn, August C., assignor.)
Bernasconi, Mario. (See Chiappa, J., and Bernasconi.)
Bernau, Frederick W., Hillside, assignor to Ellis Adding Typewriter Company, Newark, N. J. Overdraft numeral key locking mechanism. 1,819,066; Aug. 18.
Bernau, Frederick W., Hillside, assignor to Ellis Adding Typewriter Company, Newark, N. J. Overdraft and signal printing mechanism for calculating machines. 1,819,067; Aug 18.
Bernau, Frederick W., Hillside, assignor to Ellis Adding Typewriter Company, Newark, N. J. Overdraft and signal printing mechanism for calculating machines. 1,819,068; Aug. 18.
Bernberg, I. P., Aktiengesellschaft, the Firm. (See Langwieler, Rudolf, assignor.)
Berndt, Walter. (See Nicodemus, O., and Berndt.)
Berner, Leo., South Milwaukee, and P. Lohr, Milwaukee, Wis. Fuel injection apparatus for internal combustion engines. 1,821,173; Sept. 1.
Berner, Nils A., assignor to Aktiebolaget Per Perssons Vaf-och Stickmaskin, Stockholm, Sweden. Knitting machine. 1,837,101; Dec. 15.
Bernert, George, North Milwaukee, Wis. Conveyer duct. 1,812,678; June 30.
Bernert, George, assignor to Industrial & Utility Conveyor Company, Milwaukee, Wis. Pneumatic conveyer. 1,789,096; Jan. 13.
Bernet, Emil and W., Rio de Janeiro, Brazil. Power takeoff for motor vehicles. 1,795,244; Mar. 3.
Bernet, John, Chicago, Ill. Outlet-box support and using the same. 1,791,748; Feb. 10.
Bernet, Walter. (See Bernet, Emil and W.)
Bernhard, Eugen, Frankfort-on-the-Main, and G. Kunze, Oppau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of pure glycerine. 1,837,010; Dec. 15.
Bernhard, Harry T. (See Van Brunt, J., Kretsinger, and Bernhard.)
Bernhard, Heinrich, and F. Felix, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of dyestuff preparations and their application in the printing of textiles. 1,835,926; Dec. 8.
Bernhard, Johann, New York, N. Y. Gas valve. 1,802,496; Apr. 28.
Bernhard, John B., Stoneleigh, Md. Boiler. 1,820,901; Sept. 1.
Bernhard, Morris, New York, N. Y. Hanger. 1,797,815; Mar. 24.
Bernhard, Richard, assignor to Traylor Engineering & Mfg. Company, Allentown, Pa. Gyratory crusher. 1,837,102; Dec. 15.
Bernhardt, Joseph F., Du Bois, Pa. Spring. 1,835,134; Dec. 8.
Bernhardt, Matthias R. (See Stine, E. R., and Bernhardt.)
Bernheimer, A. L. (See de Malaussene, Henri S., assignor.)
Bernier, Albert M., St. Paul, Minn. Toothbrush holder. 1,821,924; Sept. 8.
Bernier, Henri, Oakland, assignor to California Packing Corporation, San Francisco, Calif. Removing oil from olives and other fruits. 1,800,336; Apr. 14.
Bernini, John, Allentown, Pa. Supporting means for loom picker spindles. 1,811,488; June 23.
Bernitz Furnace Appliance Company. (See Nygaard, O., and Snow, assignors.)
Bernitz Furnace Appliance Company. (See Thayer, Howard C., assignor.)
Berns, John H., jr., Tampa, Fla. Rocking horse. 1,806,035; May 19.
Bernson, Maurice F., Canadian Tex. Folder. 1,826,596; Oct. 6.
Bernstein, Maurice J. (See Crossman, H., Greenbaum, and Bernstein.)
Berresford, A. W., et al. (See Berresford, John K., assignor.)
Berresford, A. W., et al. (See Low, F. S., assignor.)
Berresford, A. W., et al. (See Low, F. S., Taylor, and Berresford, assignors.)

Berresford, Arthur W., assignor to Kelvinator Corporation, Detroit, Mich. Freezing tray heating device. 1,816,711; July 28.
Berresford, John K. (See Low, F. S., Taylor, and Berresford.)
Berresford, John K., assignor, by mesne assignments, to F. S. Low, Niagara Falls, N. Y., and A. W. Berresford, Detroit, Mich. Production of ferric and chromic chlorides. 1,814,360; July 14.
Berrigan, John B., Chicago, Ill., assignor to The Press & Drier Co. Filter bag connecter. 1,811,533; June 23.
Berrigan, John B., and J. J. Berrigan, deceased, by John B. Berrigan, Oak Park, Ill., administrator, assignors to The Press & Drier Co. Drier. 1,792,064; Feb. 10.
Berrigan, John J., deceased. (See Berrigan, John B., and John J.)
Berry, Bert C., Moline, Ill. Corn server. 1,801,653; Apr. 21.
Berry Building Blocks, Inc. (See De Vos, Louis, assignor.)
Berry, Charles F., jr., assignor to Auto Smock & Clamp Co., Springfield, Mass. Apron holder. 1,798,651; Mar. 31.
Berry, Charles R., assignor of two-ninths to E. I. Berry, administratrix of the estate of H. N. Berry, deceased, two-ninths to H. A. Gamble, Greenville, Miss., and three-ninths to A. M. Hanauer, Pittsburgh, Pa. Cotton picker. 1,810,411; June 16.
Berry, Christian A., Malden, Mass., assignor to The Tabulating Machine Company, Endicott, N. Y. Listing and checking machine. 1,787,715; Jan. 6.
Berry, Claud C. (See Webb, E. H., and Berry.)
Berry, Curtis R. (See Allard, E. E., and Berry.)
Berry, Earl E. (See Aldrich, A., and Berry.)
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Suction box. 1,790,852; Feb. 3.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Suction roll. 1,799,775; Apr. 7.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Paper making machine. 1,818,681; Aug. 11.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Paper winding apparatus. 1,826,041; Oct. 6.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Paper winding apparatus. 1,828,888; Oct. 27.
Berry, Earl E., Beloit, Wis., assignor to Beloit Iron Works. Paper making machine. 1,833,350; Nov. 24.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Paper making machine. 1,833,351; Nov. 24.
Berry, Edna I., administratrix. (See Berry, Charles R., assignor.)
Berry, Edward C., Melrose, Mass., assignor to The Chilton Pen Company, Inc., Long Island City, N. Y. Fountain pen. 1,811,874; June 30.
Berry, Edwin D., Palmerston North, New Zealand, assignor to H. Otterholt, Capetown, South Africa. Cooler for cream and other liquids. Re18,043; Apr. 14.
Berry, Frank C. and F. L. Hedges, Marion, Ohio. Stringed musical instrument. 1,800,980; Apr. 14.
Berry, George P., assignor to General Motors Research Corporation, Detroit, Mich. Fluid brake control. 1,788,854; Jan. 13.
Berry, George P., assignor to General Motors Research Corporation, Detroit, Mich. Shock absorber. 1,797,751; Mar. 24.
Berry, George P., assignor to General Motors Research Corporation, Detroit, Mich. Vacuum brake control on pedal. 1,812,463; June 30.
Berry, Harold R., Brooklyn, N. Y. Heat treatment and reduction of ores. 1,836,005; Dec. 15.
Berry, Harry L., Atlantic City, N. J. Removable diaphragm for gas meters. 1,807,771; June 2.
Berry, Herbert H., London, England. Electric heating element. 1,819,537; Aug. 18.
Berry, Hiram N. (See Berry, Charles R., assignor.)
Berry, Hiram N., assignor to Cotton Harvester Corporation of America, Greenville, Miss. Cotton picker. 1,810,386; June 16.
Berry, John F., Lewis, Iowa. Excavating grader. 1,837,753; Dec. 22.
Berry, John V., Johnstown, Pa., assignor to Bethlehem Steel Company. Fastener. 1,811,993; June 30.
Berry, Leannah, Fairview, Mont. Vaporizer. 1,817,057; Aug. 4.
Berry, Lewis R., Portland, Me. Headrest and invalid-raising mechanism for bedsteads and cots. 1,818,598; Aug. 11.
Berry, Louin, Fort Worth, Tex. Match box. 1,828,698; Oct. 20.
Berry, Margaret E., Los Angeles, Calif. Colon irrigator or bidet. 1,838,356; Dec. 29.
Berry, Otto C., assignor to The Wheeler-Schebler Carburetor Co., Indianapolis, Ind. Carburetor. 1,816,070; July 28.
Berry, Otto C., and H. W. Linkert, assignors to The Wheeler-Schebler Carburetor Co., Indianapolis, Ind. Carburetor. 1,830,049; Nov. 3.
Berry, Otto C., and H. W. Linkert, assignors to The Wheeler-Schebler Carburetor Co., Indianapolis, Ind. Carburetor. 1,831,376; Nov. 10.
Berry, Robert C., Indianapolis, Ind. Clutch. 1,803,458; May 5.
Berry, Robert C., assignor of one-fourth to A. J. Klaisler, Indianapolis, Ind. Clutch. 1,816,808; July 28.
Berry, Robert J. (See Skillman, T. S., Freeth, and Berry.)
Berry, Walter M. (See Gercich, F. A., and Berry.)
Berry, William E. (See Vukovich, M., and Berry.)
Bersted, Alfred and M. Bersted, Chicago, Ill. Hinge for waffle irons. 1,801,260; Apr. 21.
Bersted, Martin. (See Bersted, A., and Bersted.)
Bertel, Charles A., New Orleans, La. Method of and apparatus for storing and handling cotton bales. 1,810,100; June 16.
Bertels, William R., Wilkes-Barre, Pa. Glass top display cover. 1,838,246; Dec. 29.
Bertelsen, Arnold and E. V., Battle Mountain, Nev., assignors of one-third to G. Austin, McKeesport, Pa. Hairdresser's implement. 1,794,574; Mar. 3.
Bertelsen, Emma V. (See Bertelsen, Arnold and E. V.)
Bertelsmann, Hans. (See Mueller, H., and Bertelsmann.)
Berthold, Erich. (See Kunz, M. A., Koeberle, and Berthold.)
Berthier, Jules, assignor to Societe Textile Twistok, Chamalieres, France. Apparatus for twisting textile fibers or yarns. 1,824,464; Sept. 22.
Berthold, George H. E., East Orange, assignor to The Rajah Company, Bloomfield, N. J. Spark plug. 1,817,505; Aug. 4.
Berthold, George H. E., East Orange, assignor to The Rajah Company, Bloomfield, N. J. Electrical connecter. 1,835,000; Dec. 8.
Berthold, Gustave W., Chicago, Ill. Circuit controller. 1,795,359; Mar. 10.
Berthold, Kenneth F., North Attleboro, assignor to The Mason Box Company, Attleboro Falls, Mass. Box fastener machine. 1,825,140; Sept. 29.
Berthold, Rudolf G., assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Metal vapor rectifier. 1,808,517; June 2.
Berthold, Rudolf G., assignor to Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung, Berlin-Siemensstadt, Germany. Gas discharge tube switch. 1,816,168; July 28.
Berthold, Rudolf G., Berlin-Siemensstadt, and R. Strigel, Berlin-Charlottenburg, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electron tube. 1,815,229; July 21.
Berthold, Rudolf G., Berlin-Siemensstadt, and P. Fritsch, Berlin-Tegelort, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Device for cutting off vacuum vessels from the exhaust tubes of vacuum pumps. 1,820,553; Aug. 25.
Berthold, Rudolf G., assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electric discharge vessel. 1,834,761; Dec. 1.
Berthon, Rodolphe, Neuilly, France, assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y. Removal of waterings from goffered films. 1,807,822; June 2.
Berthon, Rudolphe, Neuilly, France, assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y. Printing device for colored films. 1,816,039; July 28.
Berthon, Rodolphe, Neuilly sur Seine, France, assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y. Projection of reticulated films. 1,836,787; Dec. 15.
Berti, Giuseppe. (See Fabrizi, E. M., and Berti.)
Bertini, Anthony, Bridgeton, N. J. Sport bag. 1,810,813; June 16.
Bertola, Charles, La Roche-sur-Foron, France. 1,787,970; Jan. 6.
Bertolet, Elmer C., assignor to George K. Hale Manufacturing Company, Philadelphia, Pa. Fast-dyeing bone. 1,812,734; June 30.
Bertout, Gabriel., Bois-Colombes, France. Device for opening preserve tins with a wire. 1,820,594; Aug. 25.
Bertram, Hugo A., Malden, Mass. Heel shaping machine. 1,803,587; May 5.
Bertram, Jacob P., and A. Berliner, Rochester, assignors to Shuron Optical Company, Inc., Geneva, N. Y. Display case. 1,809,155; June 9.
Bertram, Jacob P., and A. Berliner, Rochester, assignors to Shuron Optical Company, Inc., Geneva, N. Y. Display case. 1,809,156; June 9.
Bertram, Louis H., assignor to A. D. Grover & Son, Inc., Long Island City, N. Y. Internal geared tuning peg. 1,802,937; Apr. 28.
Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Abrading roll. 1,789,298; Jan. 20.
Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Device for attaching heels. 1,805,539; May 19.
Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel drilling machine. 1,811,875; June 30.
Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for use in attaching heels to shoes. 1,826,723; Oct. 13.
Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Screw and nut turning device. 1,835,135; Dec. 8.
Bertrand, Maurice, St. Nicolas Le Liege, assignor to Societe Anonyme d'Ougree Maribaye, Ougree, Belgium. Treatment or purification of coal. 1,818,189; Aug. 11.

Berts, H. & G., Limited. (See Smalley, H., and Haworth, assignors.)
Bertsch, Heinrich, assignor to the Company H. Th. Böhme Aktiengesellschaft, Chemnitz, Germany. Sulphonation of fatty materials. 1,801,189; Apr. 14.
Bertsch, Heinrich, assignor to H. Th. Böhme Aktiengesellschaft, Chemnitz, Saxony, Germany. Sulphonation of oils or fatty matters. 1,816,071; July 28.
Bertsch, Heinrich, assignor to H. Th. Böhme Aktiengesellschaft, Chemnitz, Germany. Production of esters of sulphonic acids. 1,823,815; Sept. 15.
Bertsch, Heinrich, assignor to the Company H. Th. Bohme A. G., Chemnitz, Germany. Composition for finishing fabrics and fibrous materials. 1,830,255; Nov. 3.
Bertsch, John C., Montreal, Quebec, Canada. Refrigerating system. 1,791,441; Feb. 3.
Bertschinger, Charles F., Rosedale, Long Island, N. Y., assignor of three-fourths to Tide Water Oil Company, Bayonne, N. J. Dispensing unit. Des. 83,489; Mar. 3.
Bertuletti, Guido, Milan, Italy. Automatic spool change device for power looms. 1,832,760; Nov. 17.
Berzelius Metallhuetten-Gesellschaft mit beschrankter Haftung. (See Freise, M. G., and Maschmeyer, assignors.)
Berwick, Frederick W. (See Quick, W., Thomas, and Berwick.)
Berwick, Jo D., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Drum for manufacturing endless rubber articles. 1,805,032; May 12.
Berwick, Robert E., Newkirk, Okla. Oil well pumping and flowing apparatus. 1,811,381; June 23.
Beryllium Corporation of America. (See Cooper, Hugh S., assignor.)
Beryllium Corporation of America. (See Keeler, Lewis J., assignor.)
Beryllium Development Corporation. (See Cooper, Hugh S., assignor.)
Besag, Ernst, Baden-Baden, Germany. Switch lock with toggle-lever driving mechanism for the switch rod. 1,798,058; Mar. 24.
Besag, Ernst, Baden-Baden, Germany. Automatic switch. 1,818,682; Aug. 11.
Besag, Ernst, assignor to Schiele & Bruchsaler Industriewerke A. G., Baden-Baden, Germany. Thermal release device. 1,806,443; May 19.
Besal, Joseph A., and L. Medaris, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill. Board control mechanism. 1,829,035; Oct. 27.
Besemann, Franz. (See Posth, W., and Besemann.)
Besler, William J., Plainfield, N. J. Brake mechanism for motor vehicles. 1,809,328; June 9.
Besler, William J., Plainfield, N. J. Brake mechanism for motor vehicles. 1,828,386; Oct. 20.
Besold, Hans, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Quick-break circuit-breaker system for large currents. 1,787,931; Jan. 6.
Bessemer Cement Corporation, The. (See Kronstad, Haavard, assignor.)
Besser, Albert, et al. (See Stubner, John F., assignor.)
Bessler, Ausut, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Dynamic braking device for idly-running motors. 1,796,555; Mar. 17.
Bessler Disappearing Stairway Company, The. (See Bessler, Frank E., assignor.)
Bessler, Frank E., Akron, Ohio. Latch. 1,802,401; Apr. 28.
Bessler, Frank E., assignor to The Bessler Disappearing Stairway Company, Akron, Ohio. Disappearing wall stairway. 1,811,706; June 23.
Bessler, Frank E., assignor to The Bessler Disappearing Stairway Company, Akron, Ohio. Disappearing stairway. 1,811,707; June 23.
Bessler, Frank E., assignor to The Bessler Disappearing Stairway Company, Akron, Ohio. Disappearing stairway. 1,811,708; June 23.
Bessler, Frank E., assignor to The Bessler Disappearing Stairway Company, Akron, Ohio. Disappearing stairway. 1,811,709; June 23.
Bessler, Frank E., assignor to The Bessler Disappearing Stairway Company, Akron, Ohio. Disappearing stairway. 1,811,710; June 23.
Bessler, Frank E., assignor to The Bessler Disappearing Stairway Company, Akron, Ohio. Disappearing stairway. 1,811,820; June 23.
Bessler, Frank E., assignor to The Bessler Disappearing Stairway Company, Akron, Ohio. Disappearing wall stairway. 1,814,889; July 14.
Bessler, Frank E., assignor to The Bessler Disappearing Stairway Company, Akron, Ohio. Disappearing stairway. 1,821,872; Sept. 1.
Bessmer, William A., assignor to Hammermill Paper Company, Erie, Pa. Pulp beater. 1,837,806; Dec. 22.
Bessom, Earl A., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat fitting machine. 1,837,399; Dec. 22.
Best, Alfred E., and J. C. Zook, assignors of one-half to J. Kearns and E. A. Forrest, Conshohocken, Pa. Combined level and inclinometer. 1,829,257; Oct. 27.
Best, Clarence E., Canton, Ohio. Separable anti-friction bearing. 1,821,873; Sept. 1.
Best & Co. (See Dumont, Ray W., assignor.)
Best Die Casting and Stamping Company, Incorporated. (See Mariani, Frank, assignor.)
Best, Frank E., Seattle, Wash. Television device. 1,802,802; Apr. 28.
Best, Frank E., Seattle, Wash. Device for transmitting vision electrically. 1,802,803; Apr. 28.
Best, Frank E., and F. H. Harp, assignors to Frank E. Best, Inc., Seattle, Wash. Tubular night latch. 1,811,110; June 23.
Best, Frank E., Inc. (See Best, F. E., and Harp, assignors.)
Best, Fred H. (See Clark, A. B., and Best.)
Best, Fred H. (See Parker, R. D., and Best.)
Best, John E., Youngstown, Ohio. Method and apparatus for refining exhaust gas. 1,700,771. Apr. 14.
Best, Lafe T. (See Bierbower, Gesner F., assignor.)
Best Manufacturing Company. (See Bromartie, George G., assignor.)
Best, Norman A., and J. E. Hoy, assignors to The Dow Chemical Company, Midland, Mich. Composite piston. 1,794,827; Mar. 3.
Best, William, Chicago, Ill. Key reel. 1,802,402; Apr. 28.
Beste, August A., Virginia, Minn. Radio receiving set. 1,813,724; July 7.
Beste, Ernst A., assignor to Kohler Company, Kohler, Wis. Handle-attaching means. 1,800,981; Apr. 14.
Bestler, John W., assignor to Theo. A. Kochs Company, Chicago, Ill. Bracket for electric clippers. 1,788,009; Jan. 6.
Betancourt, George, Alhambra, Calif. Carrying device. 1,829,629; Oct. 27.
Beth, Hugo W. H. (See Larsson, T., and Beth.)
Beth, Hugo W. H., assignor to Norton Company, Worcester, Mass. Segmental grinding wheel and making the same. 1,806,665; May 26.
Bethel, Albert R., Huntington Park, Calif. Feeding glass. 1,792,727; Feb. 17.
Bethel, Albert R., Huntington Park, Calif. Glass feeder. 1,802,072; Apr. 21.
Bethel, Claude, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Railway motor suspension. 1,813,140; July 7.
Bethel, Claude, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Railway motor mounting. 1,813,141; July 7.
Bethell, George M., Melbourne, Victoria, Australia. Ticket-issuing machine. 1,792,270; Feb. 10.
Bethenod, Joseph, Paris, France. Electric organ. 1,789,032; Jan. 13.
Bethenod, Joseph, Paris, France. Oscillating circuits applied to electrical musical instruments and the like. 1,809,503; June 9.
Bethenod, Joseph, Paris, France. High speed radiotelegraphic receiving apparatus. 1,813,908; July 14.
Bethenod, Joseph, and H. Goudet, Paris, France. Centrifugal clutch. 1,817,542; Aug. 4.
Bethenod, Joseph, Paris, France. Amplifier. 1,824,591; Sept. 22.
Bethenod, Joseph, assignor to Societe des Moteurs Dugelay, Paris, France. Fuel supply system for internal combustion engines of variable load for using heavy fuels. 1,806,581; May 26.
Bethenod, Joseph, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Electric piano harp. 1,837,144; Dec. 15.
Bethke, John P., Milwaukee, Wis. Laundry drier. 1,792,137; Feb. 10.
Bethlehem Shipbuilding Corporation. (See Gray, William L., assignor.)
Bethlehem Steel Company. (See Ammerman, Carl S., assignor.)
Bethlehem Steel Company. (See Berry, John V., assignor.)
Bethlehem Steel Company. (See Ceavey, Elmer S., assignor.)
Bethlehem Steel Company. (See Castner, Willis H., assignor.)
Bethlehem Steel Company. (See Dorris, H. C., and Pritner, assignors.)
Bethlehem Steel Company. (See Dougherty, R. S. A., and McIntosh, assignors.)
Bethlehem Steel Company. (See Ely, Harold M.)
Bethlehem Steel Company. (See Gillispie, Raymond L., assignor.)
Bethlehem Steel Company. (See Harlan, Benjamin J., assignor.)
Bethlehem Steel Company. (See Keller, Albert T., assignor.)
Bethlehem Steel Company. (See Kenney, Edward F., assignor.)
Bethlehem Steel Company. (See Little, James E., assignor.)
Bethlehem Steel Company. (See Mall, Ivor O., assignor.)
Bethlehem Steel Company. (See McCarty, Richard J., jr., assignor.)
Bethlehem Steel Company. (See McGrew, John A., assignor.)
Bethlehem Steel Company. (See Nieman, Henry W., assignor.)
Bethlehem Steel Company. (See Nieman, H. W., and Madden, assignors.)
Bethlehem Steel Company. (See Ulrich, John R., assignor.)
Bethlehem Steel Company. (See Winship, B. W., and Harder, assignors.)

Bethlem, Henry C., Chicago, Ill. Making pictorial glasses. 1,790,531; Jan. 27.
Bethune, John, Rochester, N. Y., assignor to Reo Motor Car Company, Lansing, Mich. Gearing. 1,788,701; Jan. 13.
Bethune, John, Rochester, N. Y., assignor to Reo Motor Car Company, Lansing, Mich. Power transmission gearing. 1,803,293; Apr. 28.
Bethune, John, Rochester, N. Y., assignor to Reo Motor Car Company, Lansing, Mich. Power transmission gearing. 1,803,294; Apr. 28.
Bethune, John, Rochester, N. Y., assignor to Reo Motor Car Company, Lansing, Mich. Power transmission gearing. 1,803,295; Apr. 28.
Bethune, John, Rochester, N. Y., assignor to Reo Motor Car Company, Lansing, Mich. Gearing. 1,803,296; Apr. 28.
Betke, Herman, Denver, Colo. Steam board. 1,789,424; Jan. 20.
Betke, Herman, Denver, Colo. Steam board. 1,810,338; June 16.
Bettandorff, George, Oakland, assignor of one-fourth to H. C. Schroeder, Concord, Calif. Pop corn machine. 1,808,758; June 9.
Bettendorf Company, The. (See Barber, F. L., and Webb, assignors.)
Bettendorf Company, The. (See Clasen, Claus J. W., assignor.)
Bettendorf Company, The. (See Hamilton, Karl M., assignor.)
Bettenga, Creno P., Marshalltown, Iowa. Separating attachment for hulling machines. 1,789,996; Jan. 27.
Bettenga, Creno P., Marshalltown, Iowa. Heating apparatus. 1,803,690; May 5.
Betterdorf Company, The. (See Clasen, Claus J. W., assignor.)
Betterton, Jesse O., Omaha, Nebr., assignor to American Smelting and Refining Company, New York, N. Y. Forming and purifying zinc chloride. 1,789,299; Jan. 20.
Betterton, Jesse O., Omaha, Nebr., assignor to American Smelting and Refining Company, New York, N. Y. Dezincing lead. 1,792,210; Feb. 10.
Bettger, Carl J., Herreid, S. Dak. Can washer. 1,813,605; July 7.
Bettien, Richard. (See Nichols, K., and Bettien.)
Bettinger, Louis M., assignor of one-fourth to R. H. Baker, Downey, Calif. Fire and blow-out control. 1,809,230; June 9.
Bettini, Gianni, New York, N. Y. Camera. 1,820,113; Aug. 25.
Bettis, William H., Roanoke, Va. Railway crosstie. 1,797,631; Mar. 24.
Bettison, David C., Omaha, Nebr., assignor of one-half to F. W. Pfleging. Railway track circuit apparatus. 1,804,666; May 12.
Bettison, Percy R., assignor to American Hair & Felt Company, Chicago, Ill. Felt-punching machine. 1,800,499; Apr. 14.
Bettman, Sanford S., New York, N. Y. Vacuum board eraser. 1,801,620; Apr. 21.
Bettorff, Albert H., St. Joseph, Mo. Combined collector and separator for feed mills. 1,807,891; June 2.
Betts, Benjamin B. (See Einstein, R. E., and Betts.)
Betts, Earl L., assignor to United Steel & Wire Company, Battle Creek, Mich. Display rack. 1,827,776; Oct. 20.
Betts, Everett D., Milan, Mich. Radiator. 1,808,202; June 2.
Betts, John H. (See Curtis, Henry E., assignor.)
Betts, L. M. (See Stillman, John C., assignor.)
Betts, Robert, London, England. Perfume bottle or similar article. Des. 85,363; Oct. 20.
Betz, Frank S., Company. (See Walter, Joseph, assignor.)
Betz, Lawrence J. (See Walsoe, S. L., and Betz.)
Betz, Wilhelm, Essen-on-the-Ruhr, Germany. Welded spigot-and-socket joint. 1,837,103; Dec. 15.
Betz, William C., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring shackle. 1,798,864; Mar. 31.
Betzler, Herman L., Wilkes-Barre, Pa. Split shed motion for looms. 1,800,772; Apr. 14.
Betzler, Paul, Jackson Heights, N. Y. Building slab. 1,834,892; Dec. 1.
Beugler, Edwin F., assignor to E. & B. Holmes Machinery Co., Inc., Buffalo, N. Y. Barrel-making machine. 1,799,840; Apr. 7.
Beugler, Edwin F., assignor to E & B Holmes Machinery Co., Buffalo, N. Y. Barrel chamfering, crozing, and trimming apparatus. 1,799,841; Apr. 7.
Beugler, Edwin F., assignor to E & B Holmes Machinery Co., Buffalo, N. Y. Barrel-making machine. 1,799,842; Apr. 7.
Beusch, Willi, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Electricity meter. 1,798,138; Mar. 31.
Beusch, Willi, assignor to Landis & Gyr, A.-G., Zug, Switzerland. Relay circuit meter control device. 1,801,302; Apr. 21.
Beusch, Willi, assignor to Landis & Gyr, A.-G., Zug, Switzerland. Induction meter. 1,826,447; Oct. 6.
Beusch, Willi, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Induction meter. 1,835,750; Dec. 8.
Beusch, Willi, and Riccard Pudelke, Zug, Switzerland, assignors to Landis & Gyr, A.-G. Prepayment meter. 1,799,276; Apr. 7.
Beutel, Robert J., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Envelope feed for cigar-enveloping machines. 1,796,073; Mar. 10.
Beutel, Robert J., and V. F. Spliid, Brooklyn, N. Y., assignors to American Machine & Foundry Company. Cigar feeding hopper. 1,838,132; Dec. 29.
Beutke, Paul E., and B. W. Nelson, Los Angeles, Calif., assignors to American Alumalloy Custom Wheel Company, Ltd., Las Vegas, Nev. Nine spoke flat hexagon vehicle. Des. 84,318; June 9.
Beutke, Paul E., and B. W. Nelson, Los Angeles, Calif., assignors to American Alumalloy Custom Wheel Company, Ltd., Las Vegas, Nev. Seven spoke flat octagon vehicle wheel. Des. 84,319; June 9.
Beutke, Paul E., and B. W. Nelson, Los Angeles, Calif., assignors to American Alumalloy Custom Wheel Company, Ltd., Las Vegas, Nev. Nine spoke square vehicle wheel. Des. 84,320; June 9.
Beutke, Paul E., and B. W. Nelson, Los Angeles, Calif., assignors to American Alumalloy Custom Wheel Company, Ltd., Las Vegas, Nev. Nine spoke semisquare vehicle wheel. Des. 84,321; June 9.
Beutke, Paul E., and B. W. Nelson, Los Angeles, Calif., assignors to American Alumalloy Custom Wheel Company, Ltd., Las Vegas, Nev. Seven spoke square vehicle wheel. Des. 84,322; June 9.
Beutner, Fred G., White Lake, S. Dak. Portable electric saw. 1,806,582; May 26.
Bevard, Emery. (See Petersen, J. W., and Bevard.)
Bevel Gear Grinding Company. (See Bayley, Guy L., assignor.)
Beverage, Harold H., and H. O. Peterson, Riverhead, N. Y., assignors to Radio Corporation of America. Elimination of fading on short wave lengths. 1,819,589; Aug. 18.
Beveridge, Charles G. (See Matthiesen, H. P., and Beveridge.)
Beveridge Paper Company. (See Ross, Harry M., assignor.)
Beverly, Alexander, Bellingham, Wash. Hen's nest. 1,837,104; Dec. 15.
Bevier, Frank E., et al. (See Stephens, Charles, assignor.)
Bevilacqua, Giuseppe, New York, N. Y. Nontampering safety envelope. 1,790.570; Jan. 27.
Bevilacqua, Giuseppe, Recco, Italy. Calendar. 1,801,714; Apr. 21.
Beyer, Alfred, Anaconda, Mont. Music holder. 1,813,111; July 7.
Beyer, Herbert G., Baltimore, Md. Musical instrument. 1,791,999; Feb. 10.
Beyer, John, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Valve. 1,803,378; May 5.
Beyer, John, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Securing means for car tank dome closures. 1,827,454; Oct. 13.
Beyl, Emil A., Minneapolis, Minn. Ventilator. 1,837,401; Dec. 22.
Beynon, Rees, assignor to Dryden Rubber Company, Chicago, Ill. Buffer. 1,791,749; Feb. 10.
Beynon, Rees, assignor to Dryden Rubber Company, Chicago, Ill. Buffer. 1,808,881; June 9.
Beytes, Leon N., North Plymouth, and H. Bain, Hingham, Mass. Internal combustion engine. 1,829,780; Nov. 3.
Bezpalec, Charles F., Crete, Nebr. Tire-patch-container lid. 1,797,816; Mar. 24.
Bezzenberger, Fred K., Cleveland Heights, and W. R. Zimmerman, assignors to The Bishop and Babcock Manufacturing Company, Cleveland, Ohio. Thermostat for heating systems. Re18,231; Oct. 20.
Bhosys, Charles W., New York, N. Y. Producing multipose pictures. 1,813,436; July 7.
Biagosch, Karl, Leipzig, Germany. Cutting machine for paper, cardboard, and similar material with automatic feed. 1,814,890; July 14.
Bialas, Valentin, Chicago, Ill. Spark plug cleaner. 1,818,293; Aug. 11.
Bialos, Stanley, San Francisco, Calif. Therapeutic composition. 1,816,817; Aug. 4.
Bianchi, Alberto E., Milan, and G. Guardabassi, Rho, near Milan, Italy, assignors, by mesne assignments, to Intercarbo Societe Anonyme pour la Carbonisation et la Traitement Catalytique des Combustibles, Paris, France. Cracking, catalyzing and hydrogenation of carbonaceous materials. 1,810,387; June 16.
Bianchi, Julio B., Ventura, Calif. Signaling device for pneumatic tires. 1,838,295; Dec. 29.
Bianchini, Anthony, assignor of one-half to L. Taddeucci, San Francisco, Calif. Brush. 1,797,067; Mar. 17.
Bianco, Giuseppe, Turin, Italy. Electrolytic zinc bath. 1,791,082; Feb. 3.
Bianco, Henry, assignor to Campbell Metal Window Corporation, Baltimore, Md. Weather seal construction for windows. 1,826,686; Oct. 6.
Bianco, Vincent A., Culver City, Calif. Necktie. 1,805,968. May 19.
Bibb Manufacturing Company. (See Woodruff, William A., assignor.)
Bible, Dana X., Lincoln, Nebr. Football blocking pad. 1,827,834; Oct. 20.
Bice, Walter H., Detroit, Mich. Air-cooled valve-stem guide and bushing. 1,793,581; Feb. 24.

Bicheroux, Francois, Liege, Belgium. Dephosphorizing iron in the converter and means for carrying out said process. 1,826,497; Oct. 6.
Bichler, Charles H., Paris, France. Device for the prevention of back fire to the carburetors, for internal-combustion engines and for other purposes. 1,795,245; Mar. 3.
Bichler, Charles H., assignor to the Firm Air-Securitie, Paris, France. Back fire arrester for combustible gas conduits. 1,810,814; June 16.
Bichler, Ferdinand. (See Kalischer, G., and Biehler.)
Bickel, Clara B., San Francisco, Calif. Novelty dog. Des. 85,277; Oct. 6.
Bickel, Henry F., Plainfield, N. J., assignor to The New York Air Brake Company. Air brake. 1,836,151; Dec. 15.
Bickel, Oscar C., Jamaica, assignor to Foremost Fabrics Corporation, New York, N. Y. Textile fabric. Des. 83,186; Feb. 3.
Bickerton, George H., Bluesky, Alberta, Canada. Agricultural implement. 1,808,759; June 9.
Bickford, Percy D., assignor of one-half to C. G. Thompson, Vancouver, British Columbia, Canada. Bottle wrapping machine. 1,828,123; Oct. 20.
Bickle, Samuel E., Gloucester, N. J., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,833,929; Dec. 1.
Bicknell, Alfred et al., trustees. (See Boerster, Edward W., assignor.)
Bicknell, Arthur, et al., legal representatives. (See Degenhardt, W. R., De Fraine, and Bicknell.)
Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,831,056; Nov. 10.
Bicknell, George M., and A. A. Hayden, assignors to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 1,809,886; June 16.
Bicknell, Robert A. W., et al., legal representatives. (See Degenhardt, W. R., De Fraine, and Bicknell.)
Bicknell, Robert H. (See Degenhardt, W. R., De Fraine, and Bicknell.)
Bicks, Jean W., assignor to C. A. Zoes Manufacturing Co., Chicago, Ill. Bottle or similar article. Des. 85,081; Sept. 15.
Biddle, Arthur, Trenton, N. J., assignor to United Products Corporation of America. Adhesive like aqueous dispersion of matter. 1,801,621; Apr. 21.
Biddle, Arthur, Trenton, N. J., assignor to United Products Corporation of America. Treating colloidal substances and the products thereof. 1,802,866; Apr. 28.
Biddle, Arthur, Trenton, N. J., assignor to United Products Corporation of America. Aqueous dispersion of matter and making same. 1,802,867; Apr. 28.
Biddle, David R., Albuquerque, N. Mex. Spatula. 1,825,710; Oct. 6.
Biddle, William M., Camden, N. J., assignor to Turn-Rite Process Co., Inc., Philadelphia, Pa. Shoe last. 1,827,777; Oct. 20.
Bidwell, Clarence G., Bristol, assignor to The Fafnir Bearing Company, New Britain, Conn. Chuck. 1,827,415; Oct. 13.
Bidwell, Earl E., Wichita, Kans. Spark plug. 1,797,817; Mar. 24.
Bidwell, Edgar M., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for handling strand material. 1,795,923; Mar. 10.
Bieber, Clarence G. (See Mudge, W. A., and Bieber.)
Bieber, Clarence G. (See Shoffstall, A. S., Mudge, Bagsar, and Bieber.)
Biedenfeld, Armin, Faulkton, S. Dak. Attachment for corn planters. 1,796,743; Mar. 17.
Biedermann, Paul R. G., Los Angeles, Calif. Valve and seat therefor. 1,816,205; July 28.
Biederwolf, Fred P., Monticello, Ind. Smoke control device. 1,833,045; Nov. 24.
Biegeleisen, Hyman, assignor to Eloise Williams, New York, N. Y. Sanitary envelope for sliced lemon. 1,836,062; Dec. 15.
Biehler, Louis A., Stanhope, N. J. Integrating device. 1,829,036; Oct. 27.
Biel, Louis, Ridgeway, Iowa. Hog feeder. 1,805,902; May 19.
Bieler, Etienne S., and H. G. I. Watson, Montreal, Quebec, Canada. Apparatus for use in discovering and determining ore bodies. 1,794,666; Mar. 3.
Bielicke, Willy F., Berlin-Halensee, Germany. Lens combination. 1,839,011; Dec. 29.
Bielski, Joseph, assignor to Federal Electric Company, Inc., Chicago, Ill. Sign. Des. 83,490; Mar. 3.
Bien, Anton, Mount Vernon, Ill. Porcelain-enamel warefusing tray. 1,800,048; Apr. 7.
Bienaimé, Robert, Paris, France. Locking device. 1,815,181; July 21.
Bienenstein, Andreas, assignor to The Conklin Pen Co., Toledo, Ohio. Clip for a fountain pen or the like. Des. 83,591; Mar. 10.
Bienenstein, Andreas, assignor to The Conklin Pen Company, Toledo, Ohio. Fountain pen. Des. 83,592; Mar. 10.
Bienenstein, Andreas, assignor to The Conklin Pen Company, Toledo, Ohio. Mechanical pencil. Des. 84,323; June 9
Bienenstein, Andreas, assignor to The Conklin Pen Company, Toledo, Ohio. Fountain pen. Des. 84,394; June 16.
Bienenstein, Andreas, assignor to Conklin Pen Company, Toledo, Ohio. Fountain pen desk set. 1,813,271; July 7.
Bierbaum, Christopher H., Buffalo, N. Y. Firearm. 1,817,058; Aug. 4.
Bierbower, Gesner F., assignor of one-half to L. T. Best, Chicago, Ill. Heating boiler. 1,830,635; Nov. 3.
Biermanns, Josef, Karlshorst, Germany, assignor to General Electric Company. Protective apparatus. 1,828,590; Oct. 20.
Bierwirth, Rudolph A., Schenectady, N. Y., assignor to General Electric Company. Apparatus for amplifying electrical energy. 1,795,194; Mar. 3.
Biever, Fred, et al., executors. (See Backus, John C.)
Bigelow, Flora E. (See Zimmerman, Benjamin F., assignor.)
Bigelow, Frank B., assignor to Bigelow-Liptak Corporation, Detroit, Mich. Furnace wall construction. 1,835,001; Dec. 8.
Bigelow, George E., Southgate, assignor of one-half to Pacific Pump Works, Huntington Park, Calif. Deep well oil turbine pump. 1,818,455; Aug. 11.
Bigelow, George E., Southgate, and A. R. Weis, assignors to Pacific Pump Works, Huntington Park, Calif. Nonlubricated bearing. 1,787,810; Jan. 6.
Bigelow, Jonas D., Indianapolis, Ind. Lure kit. 1,827,929; Oct. 20.
Bigelow-Liptak Corporation. (See Bigelow, Frank B., assignor.)
Bigelow, Mary E., et al. (See Stuart, T. F., and Moore.)
Bigelow, Mary E., et al. (See Stuart, T. F., assignor, and Moore.)
Bigelow-Sanford Carpet Co. (See Cooper, William H., assignor.)
Bigelow-Sanford Carpet Co. (See Coyle, Joseph A., assignor.)
Bigelow Sanford Carpet Co. (See Faraday, Cornelia B., assignor.)
Bigelow Sanford Carpet Co. (See La Couture, Henry C., assignor.)
Bigelow Sanford Carpet Co. (See Murphy, Francis, assignor.)
Bigelow-Sanford Carpet Co. (See Pearsall, William, assignor.)
Bigelow-Sanford Carpet Co. (See St. Jean, Paul J., assignor.)
Bigelow-Sanford Carpet Co. (See Simonson, George H., assignor.)
Bigelow-Sanford Carpet Co. Inc. (See Stone, Edwin W., assignor.)
Biggar, Hugh, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Forming device. 1,793,044; Feb. 17.
Biggert, Florence C., jr. (See Frank, I. W., Biggert, and Costello.)
Biggert, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rotary end trimming shears. 1,793,208; Feb. 17.
Biggert, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Gauging material. 1,816,464; July 28.
Biggert, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Speed indicator. 1,822,950; Sept. 15.
Biggert, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Transferring device. 1,837,607; Dec. 22.
Biggert, Florence C., jr., Crafton, and L. Johnson, Ingram, assignors to United Engineering & Foundry Company, Pittsburgh, Pa. Shearing metal plates. 1,819,635; Aug. 18.
Biggert, Florence C., jr., Crafton, and J. A. Smitmans, assignors to United Engineering & Foundry Company, Pittsburgh, Pa. Crop end discharging apparatus. 1,808,396; June 2.
Biggs Boiler Works Company, The. (See Barder, Byron R., assignor.)
Biggs, Quintus D., Luling, Tex. Sucker-rod lifter and wrench. 1,787,853; Jan. 6.
Bigler, Clinton L., and J. Kloos, assignors to The Morgan Engineering Company, Alliance, Ohio. Ingot stripper. 1,807,275; May 26.
Bignami, Isidoro, E. Galassini, E. Franchi, and G. Pons, assignors to Societa Alti Forni, Fonderie, Acciaierie e Ferriere Franchi-Gregorini, Brescia, Italy. Centrifugal tube casting apparatus. 1,815,093; July 21.
Bignell, George L., assignor to The Rose Patch and Label Co., Grand Rapids, Mich. Label strip feeding means for printing presses. 1,826,498; Oct. 6.
Bigoney, Thomas W., Philadelphia, Pa., assignor to Enders Razor Company, Inc., New York, N. Y. Safety razor. 1,791,552; Feb. 10.
Bigoney, Thomas W., Philadelphia, Pa., assignor to Enders Razor Company, Inc., New York, N. Y. Safety razor. 1,791,553; Feb. 10.
Bigton, Nicolai L., Camden, N. J., and L. X. Garfunkel, New York, N. Y., assignors to Automatic Hamburger Machine Company, Inc. Machine for molding plastic material. 1,836,006; Dec. 15.

Bigton, Nicolai L., Camden, N. J., and L. X. Garfunkel, New York, N. Y., assignors to Automatic Hamburger Machine Company, Inc. Machine for molding plastic material. 1,836,007; Dec. 15.

Bihl, William E., and A. Ramclau, assignors to Iron Mountain Co., Chicago, Ill. Dispensing apparatus. 1,789,300; Jan. 20.

Bihl, William E., and A. Ramclaw, assignors to Zerozone Corporation, Chicago, Ill. Dispensing machine. 1,801,409; Apr. 21.

Bihler, Roger, assignor, by mesne assignments, to Baronet-Lorna Co. Inc., College Point, N. Y. Powder puff sewing machine. 1,808,805; June 9.

Bihr, Alphonse, New York, N. Y. Decalcomania and making the same. 1,803,836; May 5.

Bijur, Joseph, New York, N. Y., assignor, by mesne assignments, to Auto Research Corporation. Lubricating installation. 1,797,203; Mar. 17.

Bilbrough Sydney B., Johannesburg, Transvaal, Union of South Africa. Breaking foam in steam boilers and other liquid evaporators. 1,838,247; Dec. 29.

Bilby, Ernest E., assignor to Hemingray Glass Company, Muncie, Ind. Bottle or similar article. Des. 85,082; Sept. 15.

Bilde, Tord E. D. (See Engberg, A. O. and Bilde.)

Bilderbeck, John T., assignor to Western Concrete Pipe Company, Los Angeles, Calif. Pump. 1,820,266; Aug. 25.

Bildstein, Walter, Brooklyn, N. Y. Window and screen securer. 1,811,681; June 23.

Biles, Reginald W., New Barnet, and E. W. M. Scott, Church Stretton, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric protective arrangement. 1,832,353; Nov. 17.

Bilger, Walter A., Philadelphia, Pa., and W. A. Richards, West Chicago, Ill., assignors to The American Pulley Company, Philadelphia, Pa. Reel. 1,802,104; Apr. 21.

Bilgram, Hugo, Moylan, Pa., and M. F. Hill, Bridgeport, Conn., assignors to Hill Engineering Co., Inc. Machine for making rotors. 1,798,059; Mar. 24.

Bilheimer, Earl L., Bonne Terre, Mo., assignor to St. Joseph Lead Company, New York, N. Y. Fuse cutter. 1,798,865; Mar. 31.

Billé, Léon, Nogent-sur-Marne, France. Joint for pipes. 1,817,870; Aug. 4.

Billet, Barney, New York, N. Y. Skull form. 1,801,218; Apr. 14.

Billig, Fred W. (See Scofield, T. J., and Billig.)

Billig, Fred W. (See Scofield, T. J., Johnson, Billing, and Sparks.)

Billing, Joseph, Spondon, near Derby, England, assignor to Celanese Corporation of America. Concentrating aqueous solutions of lower aliphatic acids. 1,805,127; May 12.

Billings, Frederic C., assignor to The Billings & Spencer Company, Hartford, Conn. Drop hammer. 1,812,464; June 30.

Billings, Haskell A. (See Hervey, P. S., and Billings.)

Billings, John G. (See Bilsky, Jacob.)

Billings, John H., Neenan, Wis. Minnow dip net. 1,832,178; Nov. 17.

Billings & Spencer Company, The. (See Billings, Frederic C., assignor.)

Billings & Spencer Company, The. (See Kimball, Harry G., assignor.)

Billings & Spencer Company, The. (See Stuart, Willard S., assignor.)

Billings & Spencer Company, The. (See Talcott, Morton C., assignor.)

Billingsley, Otto R., Massena, Iowa. Adjustable shackle. 1,796,235; Mar. 10.

Billington, James H., Company. (See Cundey, Clarence E., assignor.)

Billington, Samuel, assignor to The Southington Hardware Company, Southington, Conn. Try- and miter-square. 1,804,142; May 5.

Billner, Karl P., New York, N. Y. Floor construction. 1,798,925; Mar. 31.

Billner, Karl P., assignor to The Aerocrete Corporation of America, New York, N. Y. Placing porous concrete. 1,798,924; Mar. 31.

Billner, Karl P., assignor to The Aerocrete Corporation of America, New York, N. Y. Floor construction. 1,817,914; Aug. 11.

Billner, Karl P., assignor to The Aerocrete Corporation of America, New York, N. Y. Producing porous concrete. 1,823,343; Sept. 15.

Billner, Karl P., assignor to The Aerocrete Corporation of America, New York, N. Y. Concrete building construction. 1,834,043; Dec. 1.

Billotte, Louis C., Revere, and E. Lipson, Chelsea, Mass., assignors to Oil Finding Corporation. Method of and apparatus for locating deposits of oil, gas, and other dielectric subterranean bodies. 1,808,397; June 2.

Billotte, Louis C., Revere, assignor to Dewitt-La France Co., Cambridge, Mass. Electrical transmission. 1,829,781; Nov. 3.

Billows, Arthur J., deceased, London, England; H. E. Billows, administratrix. Aerating and bottling machine. 1,788,346; Jan. 6.

Billows, Hannah E., administratrix. (See Billows, Arthur J.)

Bills, Charles E., assignor to Mead Johnson & Company, Evansville, Ind. Irradiating apparatus. 1,808,760; June 9.

Billstein, John, Little Falls, Minn. Trailer hitch. 1,810,592; June 16.

Bilmarjac Corporation. (See King, W. J., assignor.)

Bilsky, Jacob, now by change of name J. G. Billings, Chicago, Ill. Speed-governor device. 1,789,097; Jan. 13.

Biltz, Henri W., Kansas City, Mo. Grass trimmer. 1,795,421; Mar. 10.

Biltz, Wilhelm, Hanover, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Dehydration. 1,813,272; July 7.

Bina, William F. (See Styx, Abigail M., assignor.)

Binapfl, Joseph, Krefeld, and W. Krey, Uerdingen, Germany. Oxidation of benzene compounds. 1,789,924; Jan. 20.

Binapfl, Joseph, Krefeld, and W. Krey, Uerdingen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Obtaining oxygenated compounds from alkyl benzenes. 1,813,606; July 7.

Binckley, George S., Los Angeles, Calif. Transmission of motion. 1,827,560; Oct. 13.

Binder, George R., Riverside, Ill. Radio frequency transformer. 1,834,571; Dec. 1.

Binder, Martin, New Hyde Park, N. Y. Extension table. 1,820,860; Aug. 25.

Bindery Service Company, et al. (See McGowan, Harold, assignor.)

Bing, Andreas, Wesermunde, Germany. Springing for upholstery. 1,833,817; Nov. 24.

Bing & Bing, Inc. (See Shaw, John W., assignor.)

Bing, Julius, assignor to the Firm Magnet-Werk G. m. b. H., Eisenach Spezialfabrik für elektromagnet-apparate, Eisenach, Thuringia, Germany. Machine for disintegrating waste-wood. 1,803,230; Apr. 28.

Bing, Julius, Eisenach, assignor to the Firm Magnet-Werk G. m. b. H. Eisenach Spezialfabrik fur Elektromagnet-Apparate, Eisenach, Thuringia, Germany. Power transmission device for presses and the like. 1,814,891; July 14.

Bing, Julius, assignor to the firm Magnet-Werk G. m. b. H. Eisenach Spezialfabrik fur Elektromagnet-Apparate, Eisenach, Germany. Power transmission device. 1,825,934; Oct. 6.

Bing, Julius, Eisenach, assignor to the Firm: Magnet-Werk G. m. b. H., Eisenach Specialfabrik für Elektromagnet-Apparate, Eisenach, Thuringia, Germany. Power transmission device. 1,827,348; Oct. 13.

Bing, Julius, assignor to the Firm Magnet-Werk G. m. b. H. Eisenach Specialfabrik für Elektromagnet-Apparate, Eisenach, Germany. Method and apparatus for tracing metallic bodies in fabrics. 1,827,349; Oct. 13.

Bingaman, John R., West Reading, Pa. Lock-switch mechanism. 1,798,186; Mar. 31.

Binger, Delmar M., St. Paul, assignor to Zinsmaster Baking Company, Minneapolis, Minn. Pan loaf bread and making same. 1,812,769; June 30.

Bingesser, Carl. (See Wolf, John M., assignor.)

Bingham, Edith F., administratrix. (See Bingham, Hiel N.)

Bingham, Frederick C., assignor to Boorum & Pease Company, New York, N. Y. Visible index sheet. 1,827,638; Oct. 13.

Bingham, Hiel N., deceased, Oakes, N. Dak.; E. F. Bingham, administratrix, Denver, Colo. Apparatus for killing roots, etc., in plowed ground. 1,835,629; Dec. 8.

Bingham, William, Newllano, La. Violin mute. 1,829,469; Oct. 27.

Binghamton Foundry & Machine Company. (See Bloomer, William H., assignor.)

Bink, Theodore, assignor to Gilson-Bolens Manufacturing Company, Port Washington, Wis. Supporting base for stools. 1,828,311; Oct. 20.

Binkley, Martin J., East Orange, N. J., assignor to Calor-oil Burner Corporation. Oil separator and reclaimer. 1,793,460; Feb. 24.

Binks, Exley L., Vancouver, British Columbia, Canada. Garage door. 1,801,897; Apr. 21.

Binks Manufacturing Company. (See Bramsen, S., and Hersleb, assignors.)

Binks Manufacturing Co. (See Green, V. G., and Wyzenbeek, assignors.)

Binks Manufacturing Company. (See Hersleb, W., and Bramsen, assignors.)

Binks Manufacturing Co. (See Wyzenbeek, Andrew, assignor.)

Binney Castings Company, The. (See Binney, Ralph L., assignor.)

Binney, Ralph L., assignor to The Binney Castings Company, Toledo, Ohio. Nonferrous alloy. 1,811,682; June 23.

Binns, Frederick W., Wollaston, and J. M. Lurie, Jamaica Plain, Mass., assignor to Virginia Smelting Company, Portland, Me. Making bisulphite reactions with sulphur dioxide acid solutions. 1,822,122; Sept. 8.

Binns, George W., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding. Re18,103; June 16.

Binns, George W., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Hopper feed. 1,814,279; July 14.

Binns, George W., and C. Booth, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Roll-end grinder. 1,788,046; Jan. 6.
Binns, George W., W. D. Archea, and L. F. Nenninger, assignors, by mesne assignments, to The Cincinnati Grinders Incorporated, Cincinnati, Ohio. Centerless grinding. 1,804,197; May 5.
Binns, Gerald L., Ypsilanti, Mich. Luggage carrier for vehicles. 1,807,371; May 26.
Bins, Frank M., Butte, Mont. Suspending fabric ventilation tubing, etc. 1,833,704; Nov. 24.
Binz, Arthur, and Curt Bäth, assignors to Schering-Kahlbaum Aktiengesellschaft, Berlin, Germany. 2-hydroxy-3-aminopyridine-5-arsenic acid and the process of making it. 1,802,073; Apr. 21.
Bippus, William F., et al. (See Hott, Ion V. K., assignor.)
Biolcati, Oreste, Wembley, England. Saxophone. 1,803,229; Apr. 28.
Biondi, Saverio, assignor to W. L. Casper, Los Angeles, Calif. Toilet article. 1,801,898; Apr. 21.
Birch, Albert, Belmont, Mass. Machine for extracting fluid from cloth or other material. 1,789,132; Jan. 13.
Birch, Albert, Belmont, Mass. Cloth opening machine. 1,805,866; May 19.
Birch, George S., Tulsa, Okla. Combination lamp and ventilator. 1,824,388; Sept. 22.
Birch, Leland W., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley system. 1,810,515; June 16.
Bircher Co., The. (See Keiser, Arthur J., assignor.)
Birckmayer, Harry P., assignor to The Wiremold Company, West Hartford, Conn. Machine for cold rolling conduits. 1,835,002; Dec. 8.
Bird, Harry R., Taft, Calif. Hinge. 1,805,324; May 12.
Bird, Len O., Glendale, Calif., assignor to W. L. Adams, Rexburg, Idaho. Earth moving implement. 1,808,733; June 2.
Bird, Lester F. (See Anderson, W. T., jr., and Bird.)
Bird, Lester F., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J. Hood for therapeutic lamps. 1,818,599; Aug. 11.
Bird, Lester F., assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J. Alternating current vapor electrical device. 1,824,760; Sept. 29.
Bird Machine Company. (See Bunker, W. S., and G. L. Hanscom, assignors.)
Bird, Robert M., University, assignor, by mesne assignments, to National Cold Steam Company, Charlottesville, Va. Spray material and method of application. 1,817,227; Aug. 4.
Bird & Son, Inc., (See Chamberlain, Eli L., assignor.)
Bird & Son, Inc. (See Roberts, B. H., and Gach, assignors.)
Bird & Son, Inc. (See Wyman, George R., assignor.)
Bird, Theodore, Scranton, Pa. Journal box and bearing. 1,724,702; Sept. 22.
Bird, Whitworth F. (See Rockwell, C. B., jr., and Bird.)
Birdsall, Albert H., assignor of one-third to G. W. Mills, jr., Brooklyn, N. Y. Making a composition sheet or slab. 1,815,608; July 21.
Birdsall, Albert L. (See Keeler, G. E., and Birdsall.)
Birdsall, Albert L., assignor to Keeler Brass Company, Grand Rapids, Mich. Door handle. 1,833,669; Nov. 24.
Birdsall, Bert A., assignor of one-half to H. C. King, Decatur, Nebr. Spark plug. 1,805,752; May 19.
Birdsall, Wilfred T., Montclair, N. J., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Feeding device. 1,804,143; May 5.
Birdsall, Wilfred T., Montclair, N. J., assignor to B. B. Machine Corporation. Method of and apparatus for rendering fats. 1,813,226; July 7.
Birdsall, Wilfred T., Montclair, N. J., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Controlling the movement of a tape. 1,821,925; Sept. 8.
Birdsall, Wilfred T., Montclair, N. J., assignor, by mesne assignments, to National Carbon Company Inc., New York, N. Y. Dry cell sealing device. 1,827,416; Oct. 13.
Birdsboro Steel Foundry and Machine Company. (See Martin, Mark H., assignor.)
Birdsboro Steel Foundry and Machine Company. (See Peterson, Edward T., assignor.)
Birdseye, Clarence, Gloucester, Mass., assignor, by mesne assignments, to Frosted Foods Company, Inc., Dover, Del. Refrigerating apparatus. 1,802,369; Apr. 28.
Birdseye, Clarence, Gloucester, Mass., assignor, by mesne assignments, to Frosted Foods Company, Inc., Dover, Del. Bin for storage of fish. 1,805,354; May 12.
Birdseye, Clarence, Gloucester, Mass., assignor, by mesne assignments, to Frostey Foods Company, Dover, Del. Refrigerating apparatus and method of refrigerating food. 1,817,890; Aug. 4.
Birdseye, Clarence, Gloucester, Mass., assignor, by mesne assignments, to Frosted Foods Company, Inc., Dover, Del. Refrigerating apparatus. 1,822,077; Sept. 8.
Birdseye, Clarence, Gloucester, Mass., assignor to Frosted Foods Company, Inc., Dover, Del. Refrigerating apparatus. 1,822,124; Sept. 8.
Birdseye, Clarence, and B. Hall, Gloucester, Mass., assignors, by mesne assignments, to Frosted Foods Company, Inc., Dover, Del. Refrigerating apparatus. 1,822,123; Sept. 8.
Birett, Walter, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemenstadt near Berlin. Electrolytic production of lead peroxide. 1,800,206; Apr. 14.
Birgbauer, Conrad F., Detroit, Mich. Lapping device. 1,792,800; Feb. 17.
Birk, Marjorie A., New York, N. Y. Artificial elongation of eyelashes. 1,831,801; Nov. 17.
Birkenbeuel, Edward B., Portland, Oreg. Spring mattress. 1,829,083; Oct. 27.
Birkenmaier, Theodore. (See Boll, L. P., and Birkenmaier.)
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Anchor. 1,791,185; Feb. 3.
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Slack puller. 1,807,466; May 26.
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Anchor. 1,819,762; Aug. 18.
Birkenmaier, Theodore, St. Louis, and L. P. Boll, Maplewood, assignors to W. N. Matthews Corporation, St. Louis, Mo. Anchor. 1,795,327; Mar. 10.
Birkhahn, Robert C. (See Van Epps, Margaret E., assignor.)
Birkholz, Hans E., Chicago, Ill., assignor, by mesne assignments, to American Air Filter Company, Inc., Louisville, Ky. Renewable capsule filter. 1,821,202; Sept. 1.
Birkigt, Marc, Bois Colombes, France. Internal combustion engine. 1,834,893; Dec. 1.
Birkigt, Marc, Bois-Colombes, France. Clutch. 1,790,400; Jan. 27.
Birkigt, Marc, Bois Colombes, France. Temperature compensated valve. 1,823,781; Sept. 15.
Birkmeyer, Paul J. (See d'Humy, F. E., Birkmeyer, and Griffith.)
Birkmeyer, Paul J., Brooklyn, N. Y., M. V. Creedon, Westfield, N. J., and W. C. Chadbourne, Elmhurst, assignors to The Western Union Telegraph Company, New York, N. Y. Transfer means for belt conveyers. 1,826,379; Oct. 6.
Birks, Cyril D. and N. A., London, England. Cock and valve. 1,800,243; Apr. 14.
Birks, Norman A. (See Birks, Cyril D. and N. A.)
Birmann, Otto, assignor to Gifford-Wood Company, Hudson, N. Y. Lowering machine. 1,820,427; Aug. 25.
Birmann, Otto, assignor to Gifford-Wood Company, Hudson, N. Y. Flight conveyer. 1,822,797; Sept. 8.
Birmann, Rudolph, assignor to De Laval Steam Turbine Company, Trenton, N. J. Controlling means for turbines. 1,789,861; Jan. 20.
Birmann, Rudolph, assignor to De Laval Steam Turbine Company, Trenton, N. J. Oil pump and separator. 1,832,445; Nov. 17.
Birmann, Rudolph, assignor to De Laval Steam Turbine Company, Trenton, N. J. Turbine construction. 1,802,329; Apr. 28.
Birmann, Rudolph, assignor to De Laval Steam Turbine Company, Trenton, N. J. Sleeve for high speed wheels. 1,805,201; May 12.
Birmingham Aluminium Casting (1903) Company Limited. (See Pritchard, Percy, assignor.)
Birmingham Electric Furnaces Limited. (See Lobley, Alfred G., assignor.)
Birnbaum, Jack. (See Kraft, M., and Birnbaum.)
Birnstock, William W., York, Pa. Bottle crate. 1,810,815; June 16.
Biro, Carl G., Marblehead, Ohio. Meat cutter. 1,793,461; Feb. 24.
Birong, Nicholas J., Glendale, and J. Miller, Los Angeles, Calif. Lamp replacer. 1,831,477; Nov. 10.
Birrell, Royden, Sacramento, Calif. Operating means for windows. 1,834,235; Dec. 1.
Birtch, Fred W., Lexington, Mich. Water heater. 1,829,334; Oct. 27.
Birtciel, Joseph S., assignor of one-fourth to E. A. Rodgers, one-fourth to J. S. Fogarty, one-fourth to G. Redmond, Fort Worth, Tex., and one-fourth to H. L. Baughman. Domestic gas plant. 1,795,005; Mar. 3.
Birtciel, Joseph S., assignor to J. Clark, Fort Worth, Tex. Fire alarm. 1,823,722; Sept. 15.
Bisbee, Frederick C., Elizabeth, N. J., assignor to American Telephone and Telegraph Company. Telephone system. 1,835,003; Dec. 8.
Biscayne Trust Company, et al., executors. (See Gold, E. H., and Russell.)
Bisch, Alvin, Chicago, Ill. Air-pilot-training device and the like. 1,791,655; Feb. 10.
Bischkopff, Eduard. (See Wesenberg, G., and Bischkopff.)
Bischof, George F., Fort Worth, Tex. Shock absorber. 1,838,802; Dec. 29.
Bischof, Norma, New York, N. Y. Doll. Des. 83,244; Feb. 10.
Bischof, Otto, Kusnacht/Zurich, Switzerland. Device for operating sliding windows, particularly of vehicles. 1,799,145; Apr. 7.
Bischof, Ulrich, Aarau, Switzerland. Thread-knotting device. 1,790,401; Jan. 27.
Bischof, Ulrich, Aarau, Switzerland. Lease rod or spindle for insertion between the threads of the lease of a weaving warp. 1,798,363; Mar. 31.
Bischoff, Adolph F., assignor to Langenberg Hat Company, St. Louis, Mo. Printing press. 1,801,899; Apr. 21.
Bischoff, Elmer O. (See Cannon, Charles F., jr., assignor.)

Bischoff, Fritz E., assignor to H. J. Ullmann, Santa Barbara, Calif. Metallic colloid and producing the same. 1,787,659; Jan. 6.
Bischoff, Fritz E., assignor to H. J. Ullmann, Santa Barbara, Calif. Colloidal metallic phosphate and making same. 1,794,510; Mar. 3.
Bischoff, Leonhard, assignor to Schuhfabrik Hassia Aktiengesellschaft, Offenbach-on-the-Main, Germany. Boot and shoe. 1,818,683; Aug. 11.
Bischoff, Walter E., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Athletic guard. 1,812,579; June 30.
Bish, James N. (See Brooks, H. H., and Bish.)
Bishop, Alois S., Kohler, Wis. Basket-ball game. 1,821,918; Sept. 8.
Bishop and Babcock Manufacturing Company, The. (See Bezzenberger, F. K., and Zimmerman, assignors.)
Bishop & Babcock Manufacturing Company, The. (See Fay, Horace B., assignor.)
Bishop & Babcock Manufacturing Co., The. (See Greiling, David J., assignor.)
Bishop & Babcock Manufacturing Company. (See Levy, Edward J., assignor.)
Bishop & Babcock Mfg. Company, The. (See Lippitt, George R., assignor.)
Bishop, Benjamin M., assignor to The Terre Haute Paper Company, Terre Haute, Ind. Continuous beater for paper making. 1,811,741; June 23.
Bishop, Benjamin S. T. (See Gifford, A. J., and Bishop.)
Bishop, Benjamin S. T., Shrewsbury, Mass., assignor to Leland-Gifford Company. Foot controlled switch. 1,830,256; Nov. 3.
Bishop, Carl E., Mitchellville, Iowa. Steam generator and generation. 1,827,064; Oct. 13.
Bishop, Edmund, New York, N. Y. Air filter. 1,814,428; July 14.
Bishop, Elmer E., and F. J. Brook, Indianapolis, Ind. Static eliminator. 1,821,336; Sept. 1.
Bishop, Everett E., Farmington, Wash. Grader. 1,791,345; Feb. 3.
Bishop, Fred M., assignor to Eastman Kodak Company, Rochester, N. Y. Combined sound and color motion-picture record. 1,788,010; Jan. 6.
Bishop, George D., assignor to Crown Paper Company, Sanford, Fla. Fruit guard. 1,799,497; Apr. 7.
Bishop, George E., Cleveland, Ohio. Automobile inclosure. 1,818,294; Aug. 11.
Bishop, Howard B., Summit, N. J. Decomposing salts. 1,812,770; June 30.
Bishop, Howard W., Los Angeles, Calif. Lantern. 1,831,090; Nov. 10.
Bishop, James A., deceased, Mascoutah, by L. H. Bishop, Mascoutah, Ill., administratrix. Static eliminator. 1,836,950; Dec. 15.
Bishop, John H., Long Beach, Calif., assignor of one-third to G. G. Osborn, Long Beach, Calif., and one-third to C. H. Reed, Newport Beach, Calif. Drilling bit. 1,788,377; Jan. 13.
Bishop, John R. (See Wilson, Harry F., assignor.)
Bishop, John R., Waterloo, Iowa. Piston gauge. 1,803,311; May 5.
Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Forming press. 1,805,275; May 12.
Bishop, Leon C., Lynbrook, and A. L. Sprecker, Freeport, assignors to International Time Recording Company of New York, New York, N. Y. Time stamp. 1,798,583; Mar. 31.
Bishop, Leonard J. (See Bennett, W. E., and Bishop.)
Bishop, Lulu H., administratrix. (See Bishop, James A.)
Bishop, William K. (See Wenn, L. A., and Bishop.)
Bishop, William K., Binghamton, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Supplemental engine support means. 1,824,255; Sept. 22.
Bishop, William W. (See Davis, Frank K., assignor.)
Biskamp, Ernest J., San Antonio, Tex. Dishwasher. 1,823,583; Sept. 15.
Bi-Sleeve Engine Company. (See Coyne, John H., assignor.)
Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Magnetic clutch. 1,797,972; Mar. 24.
Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Automatic stop for start and stop motors. 1,817,172; Aug. 4.
Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Traffic signal switch. 1,821,000; Sept. 1.
Bissell Carpet Sweeper Company. (See Owen, Ira J., assignor.)
Bissell Carpet Sweeper Company. (See Pullen, Fred W., assignor.)
Bissell, Don W. (See Burnett, L. B., and Bissell.)
Bissell, L. E., Company Limited. (See Bissell, Lloyd E., assignor.)
Bissell, Lloyd E., assignor to T. E. Bissell Company Limited, Elora, Ontario, Canada. Land packer. 1,827,726; Oct. 20.
Bissell, Lloyd E., Elora, Ontario, assignor to T. E. Bissell Company Limited, Elora, Canada. Disk harrow. 1,834,484; Dec. 1.
Bissell, Lloyd E., Elora, Ontario, assignor to T. E. Bissell Company, Elora, Canada. Disk harrow. 1,834,485; Dec. 1.
Bissell, Richard E., Cleveland Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Apparatus for heating and ventilating cars. 1,804,144; May 5.
Bissell, Richard E., Cleveland Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Fuel loss indicator. 1,827,930; Oct. 20.
Bissell, T. E., Company Limited. (See Bissell, Lloyd E., assignor.)
Bissell, T. E., Company Limited. (See Wardley, Timothy C., assignor.)
Bissonette, Edwin S., deceased; The Guardian Trust Company and P. M. Bissonette, executors, assignors to The Guardian Equipment Company, Cleveland, Ohio. Fire control mechanism. 1,815,889; July 28.
Bissonnette, Joseph O., assignor of one-half to J. A. Malloy, Honolulu, Hawaii. Attachment for internal-combustion engines. 1,789,802; Jan. 20.
Bissonette, Pearl M., et al., executors. (See Bissonette, Edwin S.)
Bissonnette, Victor J. (See Bradley, James F., assignor.)
Bitgood, Lucille M., New London, assignor to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Gaiter or similar waterproof rubber footwear. Des. 83,593; Mar. 10.
Bitgood, Lucille M., New London, Conn., assignor to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Gaiter or similar waterproof rubber footwear. Des. 83,594; Mar. 10.
Bitgood, Lucille M., New London, assignor to The Goodyear's India Rubber Glove Manufacturing Company. Naugatuck, Conn. Gaiter or similar waterproof rubber footwear. Des. 85,318; Oct. 13.
Bitgood, Lucille M., New London, assignor to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Gaiter or similar waterproof rubber footwear. Des. 85,319; Oct. 13.
Bitner, Abram H. (See Strakey, J. A., and Bitner.)
Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural unit. Re18,107; June 23.
Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural unit. 1,794,138; Feb. 24.
Bitney, Dewey H., Albion, assignor to Union Steel Products Company, Albion, Mich. Reenforce chair or support. 1,817,059; Aug. 4.
Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Lath attaching clip. 1,820,688; Aug. 25.
Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural unit. 1,826,042; Oct. 6.
Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural unit. 1,826,043; Oct. 6.
Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural unit. 1,826,044; Oct. 6.
Bitte, Fred, Portland, Oreg. Floating marine way. 1,804,667; May 12.
Bittel, Harold E., Rochester, N. Y. Carburetor. 1,830,588; Nov. 3.
Bittinger, Charles, Washington, D. C. Ordnance. 1,811,605; June 23.
Bittinger, Charles, Washington, D. C. Ordnance. 1,824,462; Sept. 22.
Bittner, Herman, Greenfield, Iowa. Saw operating attachment for tractors. 1,816,246; July 28.
Bittorf, Louis, assignor to National Manufacturing Company, Sterling, Ill. Latch structure. 1,832,615; Nov. 17.
Bittorf, Louis A., and G. G. Behrens, assignors to National Manufacturing Company, Sterling, Ill. Door hanger. 1,787,468; Jan. 6.
Bittrolf, Wilhelm. (See Wirth, R., and Bittrolf.)
Bitutect, Incorporated. (See Painter, Robert K., assignor.)
Bitzenburger, Frank C., Los Angeles, Calif. Seat-back-supporting apparatus. 1,793,045; Feb. 17.
Bitzer, Gottlob, assignor to Textile Machine Works, Wyomissing, Pa. Loop-regulating mechanism for full-fashioned-knitting machines. 1,793,669; Feb. 24.
Bivens, Maurice E., Scotia, N. Y., assignor to General Electric Company. Directional control of dynamo-electric devices. 1,805,160; May 12.
Bixby, Walter. (See Hathaway, E. F., and Bixby.)
Bixler, William H. H., Baltimore, Md. Hypodermic equipment. 1,818,670; Aug. 11.
Bizot, Marcel G. M. G., Champigny-sur-Marne, France. Printing machine adapted for use with unimpressed films requiring a very long exposure. 1,800,049; Apr. 7.
Bjella, Asle. (See Gemberling, H. A., and Bjella.)
Bjering, Hans C., Gjovik, Norway. High-pressure steam boiler. 1,798,653; Mar. 31.
Bjerregaard, August P., Okmulgee, Okla. Refining oil. 1,791,521; Feb. 10.
Björnson, Björn G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay circuits. 1,795,924; Mar. 10.
Bjork, John J. (See Fougstedt, L. F., and Bjork.)
Bjork, Olof, Taft, British Columbia, Canada. Backstop for motor vehicles. 1,810,998; June 23.
Bjorkgren, Johan F., Falun, Sweden. Fuel controlling means for internal combustion motors. 1,802,043; Apr. 21.
Bjorklund, Abner G., St. Paul, Minn. Compensating condyle cord. 1,812,031; June 30.

Bjorklund, Arvid, Minneapolis, Minn. Flowerpot or urn. 1,789,616; Jan. 20.
Bjorklund, Arvid, Minneapolis, Minn. Splitting machine. 1,834,762; Dec. 1.
Bjorkman, Axel W., Brooklyn, assignor to Otis Elevator Company, New York, N. Y. Chuck. 1,815,609; July 21.
Bjorkman, Erik B., assignor to The Aerocrete Corporation of America, New York, N. Y. Making insulating tile or brick. 1,823,928; Sept. 22.
Bjorkman, George E., Djursholm, Sweden. Shield for hair curlers. 1,824,006; Sept. 22.
Bjorkstedt, William G. (See Morgan, J. D., Bjorkstedt, and Lowe.)
Bjorn, Halfdan. (See Hoff, Asbjorn T., assignor.)
Bjorndal, Magnue, Jersey City, assignor to Hardwick, Hindle, Inc., Newark, N. J. Terminal for resistors. 1,830,084; Nov. 3.
Björnson, Björn G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Repeater circuits. 1,808,915; June 9.
Bjornson, Bjorn G., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voice operated relay circuits. 1,810,004; June 16.
Bjornson, Bjorn G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control. 1,830,219; Nov. 3.
Bjornson, Bjorn G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control. 1,830,220; Nov. 3.
Bjornsson, Carl A. (See Clark, C. P., and Bjornsson.)
Bjornwald, Holger, New York, N. Y. Carriage reversing mechanism for windshield cleaners and the like. 1,807,372; May 26.
Bjorson, Carl J. (See Siebert, O. W., and Bjorson.)
Black, Albert J., Whittier, Calif. Fruit packer's bench. 1,824,979; Sept. 29.
Black, Archibald, Garden City, N. Y. Aircraft body. 1,792,480; Feb. 17.
Black, Cadelle H., Brookline, Pa., assignor to General Electric Company. Retarding device. 1,821,787; Sept. 1.
Black, Carl, and C. Benscheidt, jr., Alfeld-on-the-Leine, Germany. Machine for copying shoe lasts and other irregular articles. 1,798,926; Mar. 31.
Black-Clawson Company, The. (See Kutter, Herman L., assignor.)
Black-Clawson Company, The. (See Sheafor, Dee L., assignor.)
Black, Cora L., San Francisco, Calif. Doll. Des. 83,424; Feb. 24.
Black and Decker Manufacturing Company, The. (See Burke, Alfred W., assignor.)
Black & Decker Manufacturing Company, The. (See Decker, Alonzo G., assignor.)
Black & Decker Manufacturing Company, The. (See Fleming, Jared B., assignor.)
Black and Decker Manufacturing Company, The. (See Graves, John E., assignor.)
Black & Decker Manufacturing Company, The. (See Holland, Thomas W., assignor.)
Black Diamond Paint Company. (See Walston, Josiah D., assignor.)
Black, Edward R., assignor to Black Systems Inc., Chicago, Ill. Building covering. 1,802,868; Apr. 28.
Black, Frank J., Pittsburgh, Pa. Locomotive and like wheel. 1,788,079; Jan. 6.
Black, Frederick L. (See Mackey, D. E., and Black.)
Black, Frederick O., Jersey City, N. J. Vehicle and tailboard construction. 1,812,580; June 30.
Black, Harold S., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave generating and modulating system. 1,788,560; Jan. 13.
Black, Harold S., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency-translating circuit. 1,800,372; Apr. 14.
Black, Harry G., Galveston, Tex. Apparatus for galvanizing wire and the like. 1,817,122; Aug. 4.
Black, John C., Los Angeles, Calif. Treating hydrocarbons. 1,789,510; Jan. 20.
Black, John C., Los Angeles, Calif. Distilling and cracking petroleum oils. 1,806,036; May 19.
Black, John C., Los Angeles, Calif. Cracking oils. 1,806,037; May 19.
Black, John C., Los Angeles, Calif., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Digester for cracking hydrocarbon oils. 1,815,428; July 21.
Black, John C., Los Angeles, and M. L. Chappell, Watson, Calif. Treating hydrocarbon oils. 1,810,068; June 16.
Black, John C., Los Angeles, and M. L. Chappell, Watson, Calif. Producing gasoline from high boiling hydrocarbon oils. 1,820,371; Aug. 25.
Black, John C., and W. D. Rial, assignors, by mesne assignments, to Richfield Oil Company of California, Los Angeles, Calif. Refining lubricating oils. 1,787,505; Jan. 6.
Black, John C., Los Angeles, W. D. Rial, Los Angeles County, and J. R. McConnell, Whittier, assignors, by mesne assignments, to Richfield Oil Company of California, Los Angeles, Calif. Making lubricating oil. 1,839,012; Dec. 29.
Black, John C., Destreham, La., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Apparatus for decomposition and processing of petroleum hydrocarbons. 1,819,729; Aug. 18.
Black, John C., Destreham, La., assignor, by mesne assignments, to Contact Filtration Company, San Francisco, Calif. Refining oils. 1,832,892; Nov. 24.
Black, John E., Rumson, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Furnace. 1,802,750; Apr. 28.
Black, John P., and E. A. Green, assignors of one-third to Humber Limited, Coventry, England. Fastening device. 1,815,540; July 21.
Black, Knox C., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Vacuum tube rectifier. 1,820,114; Aug. 25.
Black, Lee J., Beaumont, Tex. Double-tapered slip for rotaries. 1,794,273; Feb. 24.
Black, Lee J., Beaumont, Tex. Rotary drive and draw works. 1,795,706; Mar. 10.
Black, Lee J., Beaumont, Tex. Pipe-gripping means for rotary well-drilling rigs. 1,796,500; Mar. 17.
Black, Lee J., Beaumont, Tex. Circulating system for brake flanges. 1,821,135; Sept. 1.
Black, Lee J., Beaumont, Tex. Crown block sheave assembly. 1,821,788; Sept. 1.
Black, Lee J., Beaumont, Tex. Swivel. 1,821,874; Sept. 1.
Black, Lee J., assignor to Beaumont Iron Works Company, Beaumont, Tex. Oil-well pump. Re18,046; Apr. 14.
Black, Lester C., Los Angeles, Calif. Rotary drill bit. 1,791,186; Feb. 3.
Black, Lester C., Los Angeles, Calif. Multistage pump plunger. 1,810,121; June 16.
Black, Millard S. (See Dalldorf, L., and Black.)
Black, Millard S., Huntington Park, Calif. Well tool. 1,787,433; Jan. 6.
Black, Millard S., Huntington Park, Calif. Spear. 1,824,190; Sept. 22.
Black, Millard S., Huntington Park, assignor to Baash-Ross Tool Company, Incorporated, Los Angeles, Calif. Crown block. 1,814,615; July 14.
Black, Millard S., Huntington Park, and F. M. Brambley, Brea, Calif. Packing overshot. 1,824,191; Sept. 22.
Black Rock Manufacturing Company, The. (See Messinger, Lester H., jr., assignor.)
Black, Starr and Frost. (See Graff, Charles, assignor.)
Black Starr & Frost-Gorham, Inc. (See Wuyts, Joseph, assignor.)
Black Systems Inc. (See Black, Edward R., assignor.)
Black, Walter H., Cleveland, Ohio, assignor of one-tenth to A. J. Gilbert, Brooklyn, N. Y. Advertising display sign. 1,810,339; June 16.
Black, William C., Dudley, England, assignor to Matthew S. Moore, Brussels, Belgium. Coal cutting machine and the like. 1,821,372; Sept. 1.
Black, William G., Cleveland, Ohio. Door holding device. 1,808,153; June 2.
Black, William L., Austin, Tex. Antifriction guide roller. 1,827,835; Oct. 20.
Black, Willy. (See Kruckenberg, F., and Black.)
Black, Willy. (See Stedefeld, C., and Black.)
Blackburn, Albert C., Madison, Wis. Detachable heel. 1,824,651; Sept. 22.
Blackburn, Bruce, Los Angeles, Calif. Screened window. 1,799,671; Apr. 7.
Blackburn, Charles M. (See Wilson, J. R., and Blackburn.)
Blackburn, Floyd. (See Runkles, E. M., and Blackburn.)
Blackburn, Jasper, Webster Groves, Mo. Cable hanger. 1,789,997; Jan. 27.
Blackburn, Jasper, Webster Groves, Mo. Device for preventing the rotation of cables in hanger seats. 1,809,543; June 9.
Blackburn, McMaster S., assignor to Geophysical Petroleum Corporation, San Antonia, Tex. Gravity calculator. 1,828,954; Oct. 27.
Blackburn, Myrtis, et al. (See Titus, Thomas L., assignor.)
Blackburn, Ward. (See Daniel, Jesse E. B., assignor.)
Blackburn, Wayne W., Leesburg, Fla. Lathing unit. 1,826,499; Oct. 6.
Blackburne, Frederick W. (See Simmons, T. H. J., and Blackburne.)
Blackford Window Glass Company. (See Boush, John A., assignor.)
Blackhall, John R. (See Pardee, Harvey S., assignor.)
Blackhawk Manufacturing Company, The. (See Pfauser, Edward M., assignor.)
Blackman, Albert E., Mount Vernon, N. Y. Radiator cover. 1,810,122; June 16.
Blackmer, Robert M., assignor to S. A. Griggs, Detroit, Mich. Rotary pump. 1,820,009; Aug. 25.
Blackmon, De Witt T., Columbia, S. C. Tire handling machine. Re18,050; Apr. 21.
Blackmon, Henry C., et al. (See Behle, J., and King, and Blackmon, assignors.)
Blackmore, Benjamin, Cuyahoga Falls, Ohio. Radiator. 1,818,600; Aug. 11.
Blackmore, Charles C., Dayton, Ohio. Safety razor. 1,788,614; Jan. 13.
Blackmore, Charles C., Dayton, Ohio. Toy. 1,813,985; July 14.

Blackmore, George W., assignor to Automatic Gas Steam Radiator Company, Pittsburgh, Pa. Gas steam radiator. 1,795,539; Mar. 10.
Blackmore, Lloyd, Highland Park, Mich. Bearing. 1,797,752; Mar. 24.
Blackmore, Lloyd, assignor to General Motors Corporation, Detroit, Mich. Fender-well tire carrier. 1,797,710; Mar. 24.
Blackmore, Lloyd, assignor to General Motors Corporation, Detroit, Mich. Spare tire lock. 1,803,931; May 5.
Blackmore, Lloyd, assignor to General Motors Corporation, Detroit, Mich. Radiator cap. 1,812,465; June 30.
Blackmore, Lloyd, assignor to General Motors Corporation, Detroit, Mich. Tire carrier lock. 1,812,466; June 30.
Blackmore, Lloyd, assignor to General Motors Corporation, Detroit, Mich. Tire carrier lock. 1,812,467; June 30.
Blackmore, Lloyd, assignor to General Motors Corporation, Detroit, Mich. Tire carrier lock. 1,816,563; July 28.
Blackmore, Lloyd, assignor to General Motors Corporation, Detroit, Mich. Steering gear. 1,822,855; Sept. 8.
Blackmore, Lloyd, Detroit, Mich., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,835,588; Dec. 8.
Blackmore, Lloyd, assignor to General Motors Corporation, Detroit, Mich. Piston pin retainer. 1,838,901; Dec. 29.
Blacksand Mining and Manufacturing Company. (See McCracken, James N., assignor.)
Blacksher, E. M. (See Thompson, Early G., assignor.)
Blacksher, Erasmus M., Brewton, Ala. Safety appliance for airplanes. 1,789,033; Jan. 13.
Blackstone Silver Company. (See Ittig, George P., assignor.)
Blackwell, Howard, Hubbard, assignor to Valley Mould and Iron Corporation, Hubbard, Ohio. Core-tar extractor. 1,792,801; Feb. 17.
Blackwell and Sunde, Incorporated. (See Sunde, Benjamin W., assignor.)
Blackwell, Thomas E., and L. T. Smith, McKinney, Tex. Railway switch locking means. 1,802,696; Apr. 28.
Blackwell, Thomas E., and L. T. Smith, McKinney, Tex. Train trip or switch operating means. 1,802,697; Apr. 28.
Blackwell, Thomas E., and L. T. Smith, McKinney, Tex. Automatic railway switch. 1,811,776; June 23.
Bladh, Sven G., Malmo, and G. E. Brofelth, assignors to Aktiebolaget Malcus Holmquist, Halmstad, Sweden. Soot brush. 1,816,761; July 28.
Blaeker, Hannah D. (See Mabry, Annie N., assignor.)
Blaeker, Joseph. (See Smith, Frederick A., assignor.)
Blagden, John W., London, assignor of one-half to Howards & Sons Limited, Ilford, Essex, England. Making synthetic menthol. 1,811,711; June 23.
Blagden, John W., London, assignor of one-half to Howards & Sons Limited, Ilford, England. Making synthetic menthol. 1,811,777; June 23.
Blagoeff, Pando, Brooklyn, N. Y. Water wings. 1,824,761; Sept. 29.
Blain, Maurice A., Pontaneveaux, France. Propeller with variable pitch. 1,790,532; Jan. 27.
Blain, Willard E., Van Buren, Ark. Aeroplane. 1,814,115; July 14.
Blaine, Joseph R., Oak Park, assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Sheet-feeding mechanism. 1,790,457; Jan. 27.
Blair, Archibald W., Auckland, New Zealand. Coupling rolling stock. 1,829,819; Nov. 3.
Blair, David, Chicago, Ill. Garment. 1,817,915; Aug. 11.
Blair, George D. (See Corwin, H. G., Blair, and Gilman.)
Blair, George W., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Slider-operated fastener. 1,794,139; Feb. 24.
Blair, George W., assignor to Mishawaka Rubber & Woolen Manufacturing Company, Mishawaka, Ind. Quick operating fastener. 1,801,324; Apr. 21.
Blair, George W., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Apparatus for making fastener sliders. 1,801,325; Apr. 21.
Blair, George W., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Fastener with lateral clearance. 1,809,667; June 9.
Blair, George W., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Slider. 1,813,227; July 7.
Blair, George W., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Fastener. 1,837,011; Dec. 15.
Blair, George W., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Shoe. 1,837,518; Dec. 22.
Blair, J. M. (See Livingston, Harry W., assignor.)
Blair, James C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for drawing sheet glass. 1,836,358; Dec. 15.
Blair, Mark L., assignor to A C Spark Plug Company, Flint, Mich. Ventilating apparatus for dynamo electric machines. 1,820,007; Aug. 25.
Blair, Relandis A., Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,799,723; Apr. 7.
Blair, Robert S., Stamford, Conn. Controlling system for heating agencies. 1,787,434; Jan. 6.
Blair, Robert S., Stamford, Conn. Cooling. 1,788,506; Jan. 13.
Blair, Robert S., Stamford, Conn. Construction for ice wagons and other vehicles. 1,802,625; Apr. 28.
Blair, Robert S., Stamford, Conn. Holding device for chips or counters used in games and the like. 1,818,033; Aug. 11.
Blair, Robert S., Sound Beach, Conn. Map construction. 1,820,115. Aug. 25.
Blair, Rollin B., and A. M. Roach, assignors to O. B. McClintock Company, Minneapolis, Minn. Alarm actuating device. 1,815,941; July 28.
Blair Strip Steel Company. (See Lewis, Lester L., assignor.)
Blair, William R., Washington, D. C. Seagoing craft. 1,815,286; July 21.
Blais, Jean A. R., Kapuskasing, Ontario, Canada. Photographic apparatus. 1,798,828; Mar. 31.
Blaisdell Filtration Company, The. (See Bayard, M. L., and Harvey, assignors.)
Blaisdell, Harrison O., Brooklyn, assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,800,197; Apr. 14.
Blaisdell, Harrison O., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,803,496; May 5.
Blaisdell, Sidney B., Wyncote, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Braiding machine. 1,801,134; Apr. 14.
Blake, Alfred E., Haverford Township, Delaware County, assignor to The United Gas Improvement Company, Philadelphia, Pa. Apparatus for metering gaseous fluids. 1,808,709; June 2.
Blake, Anson S. (See Symmes, Whitman, assignor.)
Blake, Benjamin F., deceased, by E. E. Blake, administratrix, Marion, Ohio. Flower tray. 1,826,500; Oct. 6.
Blake, Charles B., Pelham, assignor to Tiffany & Company, New York, N. Y. Spoon or analogous article. Des. 83,786; Mar. 31.
Blake, Dan L., Wenatchee, Wash. Convertible boring brace. 1,837,943; Dec. 22.
Blake, David K. (See Junken, L. H., and Blake.)
Blake, Edmund E., Saco, Me., assignor to Saco-Lowell Shops, Newton, Mass. Manufacture of yarn. 1,804,968; May 12.
Blake, Eli J. (See Barrows, D. S., and Blake.)
Blake, Eli J., and W. F. Bouché, Buffalo, assignors, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Turbo-generator. 1,813,656; July 7.
Blake, Ethel E., administratrix. (See Blake, Benjamin F.)
Blake, Frank C., assignor to Du Pont Ammonia Corporation, Wilmington, Del. Method of and apparatus for effecting synthesis. 1,829,734; Nov. 3.
Blake, George A., New Bedford, Mass. Faucet. 1,820,772; Aug. 25.
Blake, George E., assignor to Forsyth Metal Goods Company, Inc., East Aurora, N. Y. Tubular body for heating or the like and making the same. 1,811,816; June 23.
Blake, Isabelle B., New York, N. Y. Paper bag. 1,826,646; Oct. 6.
Blake, John T. (See Boggs, Charles R., and Blake, assignors.)
Blake and Johnson Company, The. (See Ingraham, Edwin S., assignor.)
Blake, Louis H., Altus, Okla. Fishing line float. 1,804,084; May 5.
Blake, Lowell A., Wheelersburg, Ohio. Transit. 1,827,135; Oct. 13.
Blake, Montford, et al. (See Law, Theodore L., assignor.)
Blake, William B., assignor to Rutenber Electric Company, Marion, Ind. Disappearing electric device and cabinet. 1,794,667; Mar. 3.
Blakeley, Bertha E., Norwich, N. Y. Soap cake. 1,787,660; Jan. 6.
Blakely, Clarence E., Ute, assignor of one-half to W. A. Blakely, Grant Center, Iowa. Curtain rod. 1,798,584; Mar. 31.
Blakely, Sidney B., assignor to Durkee-Atwood Company, Minneapolis, Minn. Trunk rack. 1,811,489; June 23.
Blakely, Wilbur A. (See Blakely, Clarence E., assignor.)
Blakely, William H., et al. (See Crockett, Thomas E., assignor.)
Blakely, William H., Tulsa, Okla. Float switch. 1,796,074; Mar. 10.
Blakely, William W. (See Garllus, Bernt, assignor.)
Blakely, Wm. W. (See Lanning, William H., assignor.)
Blakely, William W., Dexter, Mich. Coupling. 1,822,389; Sept. 8.
Blaker, Ernest, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizer and method of vulcanizing. 1,812,282; June 30.
Blakeslee, George R., executor. (See Blakeslee, G. S., and Anstiss.)
Blakeslee, G. S., & Co. (See Anstiss, George P., assignor.)
Blakeslee, G. S., & Co. (See Blakeslee, G. S., and Anstiss, assignors.)
Blakeslee, George S., deceased, by G. R. Blakeslee, executor, and G. P. Anstiss, Oak Park, assignor to G. S. Blakeslee & Co., Cicero, Ill. Dish holding basket. 1,810,199; June 16.
Blakeslee, Henry J., Marlboro, Conn. Thermostat. 1,824,114; Sept. 22.

Blakeslee, Henry J., Marlboro, Conn. Safety means for electric circuits. 1,824,115; Sept. 22.
Blakeslee, Henry J., Marlboro, Conn., assignor to The States Company, Hartford, Conn. Connection block. 1,836,951; Dec. 15.
Blakeslee, Orrin C., Compton, Calif. Duplex grip tool. 1,826,045; Oct. 6.
Blalock, James E., Pacific Palisades, Calif. Pipe wrench. 1,811,452; June 23.
Blalock, James E., Pacific Palisades, Calif. Wrench. 1,817,060; Aug. 4.
Blamfield, Charles, Boston, Mass. Fire kindler. 1,810,388; June 16.
Blanc, Frank E., Knoxville, Tenn. Motor car memorandum holder. 1,802,308; Apr. 21.
Blancard & Co. (See Mountford, Thomas, assignor.)
Blancard & Co. (See Mountford, Thomas A., assignor.)
Blanchard, Adna F., assignor to G. C. Seaton, New York, N. Y. Shock absorber. 1,806,038; May 19.
Blanchard, Arthur H., Arlington, Mass. Fire truck. 1,828,169; Oct. 20.
Blanchard, Charles. (See Lanier, S. S. jr., and Blanchard.)
Blanchard, Eugene W., Tulsa County, Okla., assignor of one-half to D. S. Bowers, Tulsa, Okla. Pipe threading machine. 1,829,183; Oct. 27.
Blanchard, Frank E., Chicago, Ill. Confection. 1,802,698; Apr. 28.
Blanchard, George L., Calexico, Calif., assignor to J. G. Brittingham. Defibrating apparatus and process. 1,796,280; Mar. 17.
Blanchard, Harold L., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Combined thread cutter and holder. 1,797,938; Mar. 24.
Blanchard, Harry G., assignor to Smith & Sons Corporation, Buffalo, N. Y. Hairpin. 1,802,133; Apr. 21.
Blanchard, Lester L., Dover-Foxcroft, Me., assignor to H. Crepeau, Montreal, Canada. Chimney. 1,794,140; Feb. 24.
Blanchard, Rolla F., Westfield, N. J., J. F. Porter, and G. Marx, assignors to The Western Union Telegraph Company, New York, N. Y. Message copyholder and gumming desk for printing telegraph machines. 1,831,700; Nov. 10.
Blanchette, Alfred J., Chicago, Ill. Protecting device. 1,800,050; Apr. 7.
Blanchette, Eli, Dayville, Killingly, Conn. Banjo or similar article. Des. 85,856; Dec. 29.
Blanco, Galo W., and C. Henningsen, Buffalo, assignors by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Manufacture of viscose. 1,814,542; July 14.
Blanco, Galo W., and C. Henningsen, Buffalo, assignors, by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Manufacture of viscose. 1,814,543; July 14.
Blanco, Leonardo L., Guanabacoa, Cuba. Surgeon's protective mask. 1,800,051; Apr. 7.
Bland, Abraham D. (See Bathen, J. A., and Ingraham, assignors.)
Bland, Louis, Rochester, N. Y. Power silk screen process printer and coater. 1,815,021; July 14.
Blank, Arthur D., San Francisco, Calif., H. A. Kohman, Pittsburgh, Pa., and A. Schultz, New York, N. Y., assignors, by mesne assignments, to Standard Brands, Incorporated, Dover, Del. Leavened product and composition of matter. 1,803,588; May 5.
Blank, Curt. (See Thomsen, H., and Blank.)
Blank, George A., New York, N. Y. Socketless electric bulb. 1,802,167; Apr. 21.
Blank, Harry, et al. (See Wilhelm, John, assignor.)
Blank, Walter. (See Thomsen, H., and Blank.)
Blankenship, Earl P., and F. E. Brock, Seminole, Okla. Electromagnetic drilling control for rotary drilling rigs. 1,834,894; Dec. 1.
Blankenstein, Edward E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Producing carbon granules. 1,827,931; Oct. 20.
Blanning, Harry K., Chicago, Ill., assignor of forty-nine one-hundredths to L. K. Blanning, New Castle, Pa. Safety device for motor vehicles. 1,818,938; Aug. 11.
Blanning, Lillie K. (See Blanning, Harry K., assignor.)
Blanton, Hennen J., Brooklyn, assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler baffle. 1,835,263; Dec. 8.
Blanton, Louis M., Miami, Okla. Luggage carrier for automobiles. 1,829,729; Nov. 3.
Blanton, William B. (See Drake, H. W., and Blanton.)
Blanton, William B., Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Call signal and motor control box for simplex printers. 1,834,910; Dec. 1.
Blasberg, Ernest, Herndon, Pa. Adjustable mill nut. 1,830,922; Nov. 10.
Blase, Herman, and K. B. Cowan, New York, N. Y.; said Cowan assignor to said Blase. Folding bed. 1,812,618; June 30.
Blaskewitz, William, assignor, by mesne assignments, to Clayton & Lambert Manufacturing Company, Detroit, Mich. Pump assembly. 1,789,998; Jan. 27.
Blaskewitz, William, assignor, by mesne assignments, to Clayton & Lambert Manufacturing Company, Detroit, Mich. Fire pot construction. 1,824,533; Sept. 22.
Blaskewitz, William, C. B. Overly, C. F. Lambert, and J. Ironside, Grosse Pointe, assignors, by mesne assignments, to Clayton & Lambert Manufacturing Co., Detroit, Mich. Stove structure. 1,819,669; Aug. 18.
Blaski, Benjamin P., Chicago, Ill. Skylight. 1,831,839; Nov. 18.
Blaski, Stanley, Detroit, Mich. Curtain rod bracket. 1,833,818; Nov. 24.
Blaskopf, Max, Vienna, Austria. Separable fastener. 1,799,210; Apr. 7.
Blass, Clement E., Lakewood, assignor, by mesne assignments, to The Jaeger Machine Company, Columbus, Ohio. Cutting device for use with concrete pavements. 1,801,622; Apr. 21.
Blatch, Francis H., Hazleton, Pa. Apparatus for washing coal. 1,828,760; Oct. 27.
Blatch, Francis H., et al. (See McLean, Harry L., assignor.)
Blatchford Calf Meal Company. (See Nelson, Nicolay, assignor.)
Bláthy, Otto T., Budapest, Hungary. Electric machine. 1,793,434; Feb. 17.
Bláthy, Otto T., Budapest, Hungary. Rotating field magnet for turbo-generators. 1,822,723; Sept. 8.
Blattmann, Erna, by marriage now E. B. Volsk, Hollywood, Calif. Eve shade. Des. 83,713; Mar. 17.
Blattner, Carl F., assignor to Mission Dry Corporation, Ltd., Los Angeles, Calif. Dispensing stand. Des. 84,870; Aug. 18.
Blattner, David G., Bogota, N. J., assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Sound reproduction. 1,812,619; June 30.
Blatzer, John B. (See Buck, John W., assignor.)
Blau, Ernst, Berlin, Germany. Driver for wheel lathes. 1,827,136. Oct. 13.
Blau, Hermann, Munich, Germany. Separating mixtures of gases and of gases with vapors. 1,817,667; Aug. 4.
Blau, Martin, Erfenschlag, near Chemnitz, and E. Freytag, Zwickau, Germany. Four stroke cycle engine. 1,831,155; Nov. 10.
Blauner, Sidney H., Philadelphia, Pa. Dress protector. 1,822,267; Sept. 8.
Blaustein, Abe, New York, N. Y. Doll. 1,805,231; May 12.
Blaw-Knox Company. (See Boyrie, Harry E., assignor.)
Blaw-Knox Company. (See Bradshaw, Grant D., assignor.)
Blaw-Knox Company. (See Bradshaw, G. D., and Robertson, assignors.)
Blaw-Knox Company. (See Cuthbertson, Alexander R., assignor.)
Blaw-Knox Company. (See Dyrssen, Waldemar, assignor.)
Blaw-Knox Company. (See French, Alfred W., assignor.)
Blaw-Knox Company. (See Glasser, William F., assignor.)
Blaw-Knox Company. (See Martin, M. G., and Voelker, assignors.)
Blaw-Knox Company. (See McCrery, Harold E., assignor.)
Blaw-Knox Company. (See Prescott, L. A., and Marshall, assignors.)
Blaw-Knox Company. (See Rea, John I., assignor.)
Blaw Knox Company. (See Schieldrop, Bjarne H., assignor.)
Blaw-Knox Company. (See Venable, William M., assignor.)
Blaw Knox Company. (See Williams, Edward, assignor.)
Blaw-Knox Company. (See Wolf, Anthony S., assignor.)
Blazek, Joseph, Chicago, Ill. Refrigerated display counter. 1,805,563; May 19.
Blazich, John, Oakland, Calif. Garment shoulder strap retainer. 1,823,250; Sept. 15.
Blazier, Edward O., et al. (See Holifer, J. G., and Landess, assignor.)
Blazier, Harold E., et al. (See Holifer, J. G., and Landess, assignor.)
Blechman, Irving, New York, N. Y. Vaporizing device. 1,818,684; Aug. 11.
Blechner, Albert, East Port Chester, Conn. Swimming shoe. 1,836,835; Dec. 15.
Blechta, Frantisek, Prague, Czechoslovakia. Bullet for practice cartridges. 1,823,022; Sept. 15.
Blecker, William M., assignor of fifty-one per cent to E. A. Langenbach, Canton, Ohio. Continuous sheet mill. 1,819,763; Aug. 18.
Blecker, William M., assignor of fifty-one per cent to E. A. Langenbach, Canton, Ohio. Continuous strip mill. 1,819,764; Aug. 18.
Bledsoe, Carl F., Chicago, Ill., assignor to Ogle Construction Company. Distributing chute for coal bins. 1,798,130; Mar. 31.
Bledsoe, Carl F., assignor to Ogle Construction Company, Chicago, Ill. Material handling plant. 1,817,343; Aug. 4.
Bledsoe, George W. (See Bragaw, W. H., and Bledsoe.)
Bledsoe, George W., W. S. Lloyd, and C. D. Yencer, El Paso, Tex. Pump. 1,808,745; June 9.
Bleecker, Charles M. (See Wahnish, George, assignor.)
Bleecker, Edsell T., Pueblo, assignor to A. B. Christy, Colorado Springs, Colo. Masking machine. 1,835,004; Dec. 8.
Bleecker, Edsell T., Pueblo, Colo., assignor to A. B. Christy, Colorado Springs, Colo. Masking machine. 1,836,436; Dec. 15.

Bleecker, Maitland B., Hempstead, N. Y. Helicopter. 1,819,863; Aug. 18.
Bleecker, Maitland B., Hempstead, N. Y., assignor to Wright Aeronautical Corporation. Indicator for internal combusion engines. 1,823,883; Sept. 22.
Bleecker, Warren F., Boulder, Colo. Treating petroleum. 1,794,668; Mar. 3.
Bleecker, Warren F., Boulder, Colo. Reenforced glass. 1,799,146; Apr. 7.
Bleecker, Warren F., Boulder, Colo. Process of recovering metals. 1,800.500; Apr. 14.
Bleecker, Warren F., Boulder, Colo. Apparatus for the treatment of hydrocarbonaceous liquids. 1,837,519; Dec. 22.
Bleecker, Warren F., Boulder, Colo., assignor, by mesne assignments, to W. J. Cheley, Tulsa, Okla. Well shooting device. 1,832,924; Nov. 24.
Bleicher, Charles S. (See Watzka, Otto, assignor.)
Bleichert, Adolf, & Co., A. G. (See Müller, Max, assignor.)
Bleil, Clarence J., Los Angeles, Calif. Apparatus for extracting oils. 1,791,398; Feb. 3.
Blenko, Walter J., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Manufacture of reenforced glass. 1,804,395; May 12.
Blériot, Louis, Paris, France. Aerial advertising and signaling. 1,794,828; Mar. 3.
Blériot, Louis, Paris, France. Detachable floating compartments for aeroplanes. 1,812,317; June 30.
Bleser, Joseph F., Springfield, Ill. Internal-combustion motor. 1,798,866; Mar. 31.
Bleser, Joseph F., Springfield, Ill. Internal combustion motor. 1,828,353; Oct. 20.
Blesi, Frederick J., assignor to Dayton Specialty Machine Company, Dayton, Ohio. Candy machine. 1,797,753; Mar. 24.
Blessington, Stephen G., Claremont, N. H. Tape attaching machine. 1,804,198; May 5.
Blesso, Rocco, Hartford, Conn. Traffic signal. Des. 84,225. May 26.
Blest, Minot C., Avalon, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Dump car. 1,790,402; Jan. 27.
Bletcher, Ralph E., and E. H. Bucknell, Los Angeles, Calif. Valve mechanism. 1,807,081; May 26.
Bletso, Bruce N., East Cleveland, and G. H. Rose, Cleveland Heights, Ohio. Flying shear. 1,809,668; June 9.
Bletz, Edward, Lexington, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Close control thermostat. 1,834,375; Dec. 1.
Blewett, John B., Wellsville, Ohio, assignor to McLain Fire Brick Company, Pittsburgh, Pa. Grate structure. 1,820,932; Sept. 1.
Blewett, John B., Wellsville, Ohio, assignor to McLain Fire Brick Company, Pittsburgh, Pa. Molding machine and operating the same. 1,834,119; Dec. 1.
Bley, Fritz, assignor, by mesne assignments, to Mercedes Büro-Maschinen-Werke Aktiengesellschaft, Zella-Mehlis, Thuringia, Germany. Mechanism for adjusting decimal signs in calculating machines. 1,799,037; Mar. 31.
Bley, Gustav. (See Harron, J. A., Diamond, and Bley.)
Bleyer, Hermann R., Klingenthal, Germany. Talking machine. 1.792.528; Feb. 17.
Bleyer, Lloyd G., Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis. Traveling water screen. 1,815.137; July 21.
Blickhahn, George R., Chicago, Ill. Belt buckle. 1,825,045; Sept. 29.
Blickman, Manuel. (See Blickman, Saul and M.)
Blickman, S., Inc. (See Blickman, Saul and M., assignors.)
Blickman, Saul and M., New York, N. Y., assignors to S. Blickman, Inc., Weehawken, N. J. Table construction. 1,816,247; July 28.
Blidsoe, Hugo, North Plainfield, N. J. Aeroplane engine. 1,799,498; Apr. 7.
Blieberger, Charles, New York, N. Y. Loud speaker. 1,821,373; Sept. 1.
Blier, Isaac F., New York, N. Y. Automatic roasting apparatus. 1,787,469; Jan. 6.
Blier, Isaak F., Jersey City, N. J. Automatic roasting apparatus. 1,832,854; Nov. 24.
Blink, Peter. (See Mitchell, W., and Blink.)
Blinn, Harry M., Baltimore, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Pressure regulating valve. 1,807.564;; May 26.
Bliss Brothers Co. (See Vetter, Louis J., assignor.)
Bliss, Carl G., assignor to Standard Boiler & Steel Works, Los Angeles, Calif. Measuring apparatus. 1,826,919; Oct. 13.
Bliss, E. W., Company. (See Dieter, William, assignor.)
Bliss, E. W., Company. (See Kruse, Peter, assignor.)
Bliss, E. W., Company. (See Sarheim, J. O., and Olsen, assignors.)
Bliss, E. W., Company. (See Strout, Robert W., assignor.)
Bliss, Edwin C., Central Manati, Oriente, Cuba. Apparatus for preparing and burning bagasse and the like. 1,817,228; Aug. 4.
Bliss, Elmer J., Boston, Mass., assignor to Regal Shoe Company, Whitman, Mass. Shoe-size-testing device. 1,791,948; Feb. 10.
Bliss, Elmer J., Boston, and C. E. Clarke, Winthrop, assignors to Regal Shoe Company, Whitman, Mass. Foot-measuring device. 1,790,458; Jan. 27.
Bliss, F. W., Company. (See Dieter, William, assignor.)
Bliss, H. R., Company. (See Allen, Howard G., assignor.)
Bliss, Robert H., East Syracuse, N. Y. Window. 1,810,816; June 16.
Blitz, Otto, Oakland, Calif. Carton. 1,830,420; Nov. 3.
Blixt, Gustaf F., Glen Rock, assignor of one-half to J. J. Kriesmer, Hawthorne, N. J. Manufacture of paper containers. 1,796,075; Mar. 10.
Blizard, John, Garden City, assignor to Foster Wheeler Corporation, New York, N. Y. Conduit system. 1,827,727; Oct. 20.
Bloch, Hugo, Praha-Vrsovice, Czechoslovakia. Cornicle-winding machine. 1,787,661; Jan. 6.
Bloch, Leon, Cleveland Heights, Ohio. Bathroom fixture. Des. 84,508; June 30.
Bloch, Leon, Cleveland, Ohio. Bathtub. 1,821,959; Sept. 8.
Bloch, Marcel, Paris, France. Timepiece winding mechanism. 1,812,581; June 30.
Bloch-Jørgensen, Christian L., Copenhagen, Denmark. Cartridge with projectile for smooth-bore firearms. 1,794,141; Feb. 24.
Block, David J., Chicago, Ill., assignor to Du-Gas Fire Extinguisher Corporation, New York, N. Y. Fire-extinguishing material. 1,793,420; Feb. 17.
Block, Herman W., New York, N. Y. Nursery toy. 1,820,905; Sept. 1.
Block, Joseph, Brooklyn, N. Y. Electric display device. 1,824,942; Sept. 29.
Block, Meyer E., Peoria, Ill. Support for washing machines. 1,795,925; Mar. 10.
Blocki, Herbert J., assignor to Erie Oil Company, Sheboygan, Wis. Vehicle lift. 1,793,991; Feb. 24.
Blockinger, William A., Pittsburgh, Pa., assignor of one-half to H. Wolf, Steubenville, Ohio. Metal-sheet furnace. 1,788,977; Jan. 13.
Blodgett, Charles A., South Brewer, and H. H. Hanson, Bangor, assignors to Eastern Manufacturing Company, South Brewer, Me. Treatment of cellulosic materials. 1.822,125; Sept. 8.
Blodgett, Charles A., South Brewer, and H. H. Hanson, Bangor, assignors to Eastern Manufacturing Company, South Brewer, Me. Preparing sulphite pulp for filaments and films. 1,822,126; Sept. 8.
Blodgett, Charles A., South Brewer, and H. H. Hanson, Bangor, assignors to Eastern Manufacturing Company, South Brewer, Me. Preparation of alpha cellulose pulp. 1,831,435; Nov. 10.
Blodgett, Charles A., South Brewer, and H. H. Hanson, Bangor, assignors to Eastern Manufacturing Company, South Brewer, Me. Preparation of strong, bleached sulphate pulp. 1,831,436; Nov. 10.
Blodgett, Herbert C., assignor to Overhead Door Corporation, Hartford City, Ind. Electric door control. 1,817,909; Aug. 11.
Blodgett, Herbert C., assignor to Overhead Door Corporation, Hartford City, Ind. Overhead door structure. 1,826,647; Oct. 6.
Blogg, Fred H., Joliet, Ill. Floor-scrubbing machine. 1,801,135; Apr. 14.
Blohm, August H., Chicago, Ill., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Ventilating system for projectors. 1.831.762; Nov. 10.
Blom, Christiaan G., Eindhoven, Netherlands, assignor to General Electric Company. Filament-mounting machine. 1,795,195; Mar. 3.
Blomberg, Martin P. (See Carry, C., Mussey, and Blomberg.)
Blomberg, Otto, Chicago, Ill. Valve lifter. 1,792,567; Feb. 17.
Blomberg, Ulrik I. T., Enskede-Stockholm, Sweden, assignor to Ditto, Incorporated, Chicago, Ill. Storage rack. 1,810,941; June 23.
Blome, Harry L., Stonington, Ill. Thermostatic alarm. 1,827,137; Oct. 13.
Blomgren, Henry E., Brooklyn, N. Y., assignor to The Simplex Piston Ring Company of America, Inc., Cleveland, Ohio. Piston ring. 1,806,143; May 19.
Blomquist, August E. R., Cleveland, Ohio. Exercising machine. 1,820,372; Aug. 25.
Blomquist, Cecil R., Tacoma, Wash. Fish net. 1,800.592; Apr. 14.
Blomquist, Ernst, Lombard, Ill. Switch. 1,839,080; Dec. 29.
Blomquist, Johan V., assignor to Aktiebolaget Atmos Stockmolm, Sweden, and Societe Alsacienne De Constructions Macaniques, Mulhouse, France. Rotating steam boiler. 1,816,712; July 28.
Blomqvist, Gustav M. J., assignor to Platen-Munters Refrigerating System, Aktiebolag, Stockholm, Sweden. Condenser. 1,799,081; Mar. 31.
Blomstrom, Lowell C., assignor to Federal Mogul Corporation, Detroit, Mich. Holding half bearings about an arbor preparatory to machining. 1.805.232; May 12.
Blondin, Joseph, Los Angeles, Calif. Unilayer rigid airplane wing. 1.804,823; May 12.
Blondin, Joseph, Los Angeles, Calif. Synchronous running gear for airplanes. 1,815,182; July 21.
Blondin, Joseph, Los Angeles, Calif. Irreversible control for aircraft controls. 1,836,437; Dec. 15.
Blondin, Michel C., Meudon, France. Temperature indicator. 1.802.231; Apr. 21.
Blood, Charles R., and H. J. Humbert, Sacramento, Calif. Machine for planing the surfaces of pavements. 1,812,771; June 30.

Blood, George H. (See Paige, P. F., and Blood.)
Blood, Harold L., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article-working apparatus. 1,789,456; Jan. 20.
Blood, Harold L., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Perforating and trimming mechanism. 1,800,925; Apr. 14.
Blood, Howard E. (See Peck, J. G., and Blood.)
Blood, Howard E., assignor to Norge Corporation, Detroit, Mich. Baffle shield. Des. 85,278; Oct. 6.
Blood, Howard E., assignor to Norge Corporation, Detroit, Mich. Cabinet leg or similar article. Des. 85,570; Nov. 17.
Blood, Laurence E., assignor to S. A. Woods Machine Company, Boston, Mass. Traveling bed feed for wood planers. 1,800,175; Apr. 7.
Blood, Laurence E., assignor to S. A. Woods Machine Company, Boston, Mass. Machine for producing wooden blocks. 1,801,244; Apr. 14.
Blood, Laurence E., Boston, and J. B. Wiard, Brookline, assignors to S. A. Woods Machine Company, Boston, Mass. Wood planing machine. 1,805,437; May 12.
Blood, Laurence E., Newton, and P. H. Young, Quincy, assignors to S. A. Woods Machine Company, Boston, Mass. Chip breaker. 1,796,186; Mar. 10.
Blood, Louis H., Cincinnati, Ohio. Threading machine. 1,817,607; Aug. 4.
Blood, Louis H., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Broaching machine. 1,815,647; July 21.
Blood, Robert A., assignor to Crouse-Hinds Company, Syracuse, N. Y. Operating mechanism for controlling movement of elements in sequence. 1,801,654; Apr. 21.
Bloom, Arnold J. (See Bloom, Isaac and A. J.)
Bloom, Charles F., assignor to M. L. Bloom, Portland, Oreg. Washing and drying machine. 1,836,063: Dec. 15.
Bloom, David, Berkeley, Calif. Container. 1,824,762; Sept. 29.
Bloom, David, Berkeley, Calif. Closure. 1,834,085; Dec. 1.
Bloom, David, Berkeley, Calif. Container. 1,836,220; Dec. 15.
Bloom, David, assignor to Tidy Products Corporation, New York, N. Y. Robe. 1,811,821; June 23.
Bloom, Edward, Paterson, N. J. Slub detector. 1,812,428; June 30.
Bloom, Edward, Paterson, N. J. Loom. 1,831,944; Nov. 17.
Bloom, Isaac and A. J., Rochester, N. Y. Nonskid device. 1,792,354; Feb. 10.
Bloom, Joseph, Los Angeles, Calif. Emblem. Des. 84,972; Sept. 1.
Bloom, Margaret L. (See Bloom, Charles F., assignor.)
Bloom, Samuel C., Chicago, Ill. Refrigerating means and method. 1,796,859; Mar. 17.
Bloom, Samuel C., Chicago, Ill., assignor to The New York Air Brake Company. Air conditioning. 1,830,823; Nov. 10.
Bloom, Seth W., Du Bois, Pa. Coffeepot. 1,825,174; Sept. 29.
Bloomberg, David J., Chelsea, Mass., assignor to General Electric Company. Electric fluid turbine. 1,819,864; Aug. 18.
Bloomenthal, Sidney, New York, N. Y., assignor to Radio Corporation of America. Light valve. 1,802,699; Apr. 28.
Bloomenthal, Sidney, New York, and B. Adler, Whitestone, N. Y., assignors to Radio Corporation of America. Light valve. 1,834,044; Dec. 1.
Bloomer, William H., assignor to Binghamton Foundry & Machine Company, Inc., Binghamton, N. Y. Article conveyer. 1,833,352; Nov. 24.
Bloomfield, Grover, J. Martin, and I. J. Krchma, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Nitrocellulose lacquer thinner. 1,835,927; Dec. 8.
Bloomfield, Samuel, Chicago, Ill. Automobile seat cover. 1,836,302; Dec. 15.
Blooser, Norman E., Geneva, Ind. Propeller. 1,834,932; Dec. 8.
Bloss, Richard R., Columbus, Ohio. Metal drilling-rig structure. 1,800,882; Apr. 14.
Bloss, Richard R., assignor to International-Stacey Corporation, Columbus, Ohio. Fluid cooled brake drum. 1,832,686; Nov. 17.
Blosser, Herman G., Pittsburgh, Pa. Combined reactance coil and support therefor. Des. 83,302; Feb. 17.
Blossom, Carl W., and E. C. Peterson, assignors to The Blossom Lock Company, Cleveland, Ohio. Automobile locking mechanism. 1,820,428; Aug. 25.
Blossom Lock Company, The. (See Blossom, C. W., and Peterson, assignors.)
Blossom Lock Company. (See Peterson, Elmer C., assignor.)
Blount, John W., Pittsburgh, Pa. Piston ring. 1,815,138; July 21.
Blount, Nelson, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone receiver. 1,831,377; Nov. 10.
Blow, George, Knoxville, Tenn. Air lift pump. 1,811,295; June 23.
Bloxom, Harvey L., Fort Dodge, Iowa. Acrobatic toy. 1,817,959; Aug. 11.
Bludalk, Inc. (See Heinzelmann, Alphonse A., assignor.)
Bludworth, Inc. (See Bludworth, T. F., and Vachris, assignors.)
Bludworth, Timothy F., Summit, N. J., and J. B. Vachris, Brooklyn, assignors to Bludworth, Inc., New York, N. Y. Remote control apparatus. 1,832,474; Nov. 17.
Blue, Bennett J., Tumtum, Wash. Hand grip. 1,830,221; Nov. 3.
Blue, James W., Fife Lake, Mich. Sod cutter. 1,829,335; Oct. 27.
Blue, Sidney, Albany, assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Undergarment. 1,823,527; Sept. 15.
Bluemmel, Franz. (See Krzikalla, H., and Bluemmel.)
Blue Ridge Glass Corporation. (See Crawford, William R., assignor.)
Blue Ridge Glass Corporation. (See Lewis, Joseph H., assignor.)
Blue Ridge Glass Corporation. (See Pond, Leander N., assignor.)
Blue Ridge Glass Corporation. (See Pond, L. N., and Lewis assignors.)
Blue Ridge Glass Corporation. (See Shetterly, Fred F., assignor.)
Bluhm, Alexandre, assignor to Societe Anonyme Francaise Du Ferodo, Paris, France. Securing friction facing members. 1,789,133; Jan. 13.
Bluhm, Charles A., Michigan City, Ind. Vehicle spring. 1,799,082; Mar. 31.
Bluhm, Frank J. C., assignor of one-half to W. C. Kleiner, Chicago, Ill. Gas burner. 1,827,505; Oct. 13.
Blum, Anna and E., Chicago, Ill. Lingerie fastening device. 1,822,333; Sept. 8.
Blum, Carl R., Berlin-Schoneberg, Germany. Synchronism system. 1,831,735; Nov. 10.
Blum, Carl R., Berlin-Schoneberg, Germany. Method and apparatus for recording series of motion. 1,837,944; Dec. 22.
Blum, Ella. (See Blum, Anna and E.)
Blum Folding Paper Box Co. Inc. (See Raftenberg, Samuel, assignor.)
Blum, Harry. (See Shulman, Max, assignor.)
Blum, Hosmer L., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Tank siphon dispensing apparatus. 1,794,437; Mar. 3.
Blum, Joseph K., Scarsdale, N. Y. Furnace wall. 1,800,244; Apr. 14.
Blum, Karl E., Flat River, assignor of one-half to J. W. Houser, Desloge, Mo. Shaft coupling. 1,825,251; Sept. 15.
Blumberg, Julius E., Boston, Mass. Pincushion. 1,788,420; Jan. 13.
Blume, George F., Philadelphia, Pa. Roller bearing. 1,795,992: Mar. 10.
Blume, Louis F., Pittsfield, Mass., assignor to General Electric Company. Temperature indicator for electrical apparatus. 1,818,785; Aug. 11.
Blume, Louis F., and J. X. Mathieu, Pittsfield, Mass., assignors to General Electric Company. Electric switch. 1,796,076; Mar. 10.
Blume, Robert, Hood, Calif. Rail chair. 1,827,217; Oct. 13.
Blume, William A., Detroit, Mich., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,796,433; Mar. 17.
Blume, William A., Detroit, Mich., assignor to American Brake Materials Corporation, New York, N. Y. Friction clutch block. 1,822,430; Sept. 8.
Blume, William R. (See Dreyfus, C., and Blume.)
Blumenfeld, Joseph, Paris, France, assignor to Commercial Pigments Corporation, New York, N. Y. Production of titanium dioxide. 1,795,467; Mar. 10.
Blumenfeld, Mose E., Savannah, Ga. Rubber sponge. 1,816,108; July 28.
Blumensaadt, Svend G., and F. C. Castelli, Philadelphia, Pa., assignors, by mesne assignments, to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Socket-cap cord connection. 1,794,274; Feb. 24.
Blumenthal, Julius J., assignor to Lighting Appliance Company, Inc., New York, N. Y. Lighting fixture or article of similar nature. Des. 83,187; Feb. 3.
Blumenthal, Julius J., assignor to Lighting Appliance Company, Inc., New York, N. Y. Lighting fixture or article of similar nature. Des. 84,675; July 21.
Blumenthal, Louis, Brooklyn, N. Y. Collapsible table and seat. 1,823,484; Sept. 15.
Blümmel, Franz. (See Krzikalla, H., and Blümmel.)
Blundon, John C., Oakland, Calif., assignor to Blundon Steam Economizer, Inc., Ltd. Condensation-fluid-transmission device. 1,799,453; Apr. 7.
Blundon Steam Economizer, Inc. (See Blundon, John C., assignor.)
Blunt, Edmund H., New York, N. Y. Locomotive feed water heater and pump. Re18,157; Aug. 18.
Blunt, James G., Schenectady, N. Y. Steam-pipe arrangement for single-expansion articulated steam locomotives. 1,798,131; Mar. 31.
Blunt, James G., Schenectady, N. Y. Locomotive structure. 1,807,334; May 26.
Blunt, James G., Schenectady, N. Y. Connecting rod for locomotives. 1,807,373; May 26.
Blunt, James G., Schenectady, N. Y. Locomotive frame. 1,812,582; June 30.
Blunt, James G., Schenectady, N. Y. Supporting locomotive auxiliaries. 1,832,276; Nov. 17.

Blunt, James G., and H. S. Burnham, Schenectady, N. Y. Locomotive. 1,809,399; June 9.
Blunt, James G., and R. W. Clifford, Schenectady, N. Y. Throttle valve operating mechanism. 1,814,074; July 14.
Blunt, James G., and R. W. Clifford, Schenectady, N. Y. Throttle valve operating mechanism. 1,820,373; Aug. 25.
Blunt, Royden A., Baltimore, Md. Bottle. Des. 84,676; July 21.
Blunt, Royden A., Baltimore, Md. Bottle. Des. 84,677; July 21.
Blustein, Abraham, assignor, by mesne assignments, to The Brown Counter Company, Haverhill, Mass. Counter and making the same. 1,787,610; Jan. 6.
Blustein, Abraham, assignor, by mesne assignments, to The Brown Counter Company, Haverhill, Mass. Counter rolling machine. 1,803,092; Apr. 28.
Blydenburgh, Harold L., assignor to The Moto-Mower Co., Detroit, Mich. Clutch mechanism for power driven lawn mowers. 1,836,359; Dec. 15.
Blymyer, Lafayette W., Los Angeles, Calif. Circuit controller. 1,795,707; Mar. 10.
Blymyer, Raymond L., Cleveland, Ohio, assignor to Paradisier, Parfumerie, Moline, Ill. Permanent-waving machine. 1,797,896; Mar. 24.
Blystone Manufacturing Company. (See Rhodes, B. C., and Conroe, assignors.)
Blyth, Lennox M., Chirnside, Scotland. Variable transmission gear. 1,803,422; May 5.
Blythe, James H., Denver, Colo. Pipe bending tool. 1,835,264; Dec. 8.
Boaler, William H. (See Ashby, T., and Boaler.)
Board, Fred, Bridgeport, Ohio. Current collector for trolley wires. 1,808,518; June 2.
Boardman, Charles S., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Sheet piling. 1,799,152; Apr. 7.
Boardman, Clark C., Sterlington, assignor to Thermatomic Carbon Company, Monroe, La. Thermal controlling system. 1,797,256; Mar. 24.
Boardman, Edmund, assignor to The Alliance Vitrified China Company, Alliance, Ohio. Compartment plate. Des. 83,595; Mar. 10.
Boardman, Edward J. (See Simon, Karl A., assignor.)
Boardman, Harry C., Chicago, Ill, assignor to Chicago Bridge & Iron Company. Container. 1,809,013; June 9.
Board of Trustees of the University of Illinois. (See Buswell, A. M., and Neave, assignors.)
Boas, Ernst P., and B. Liebowitz, New York, N. Y. Cardiotachometer. 1,816,465; July 28.
Boatman, Charles A., Waterloo, Iowa. Combination adjustable driving spot and trouble light. 1,834,821; Dec. 1.
Bobb, Lloyd J., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Electrodynamic sound reproducing system. 1,834,820; Dec. 1.
Bobrick, Arthur L., Los Angeles, Calif. Wrapping and packing bottles and the like. 1,817,061; Aug. 4.
Bobritsky, Vladimir, New York, N. Y., assignor to The Griess Pfleger Tanning Company, Cincinnati, Ohio. Artificial animal. Des. 83,947; Apr. 21.
Bobroff, Bornett L., Racine, Wis. Vehicle light. Des. 83,386; Feb. 17.
Bobroff, Bornett L., Racine, Wis. Vehicle tail lamp. Des. 83,948; Apr. 21.
Bobroff, Bornett L., Racine, Wis. Switch for signaling systems. 1,825,991; Oct. 6.
Bobroff, Bornett L., Milwaukee, Wis. Signaling system. 1,826,501; Oct. 6.
Bobroff, Bornett L., Racine, Wis. Switch for signaling systems. 1,829,037; Oct. 27.
Boca, Joseph, Flint, assignor to General Motors Corporation, Detroit, Mich. Hood hinge molding. 1,830,733; Nov. 3.
Bocchino, Ernest, Newark, N. J. Safety fire escape. 1,808,492; June 2.
Bocchino, Ernest, Newark, N. J. Safety fire balcony exit. 1,826,448; Oct. 6.
Boche, Otto W., Bridgeport, Conn. Safety razor sharpener. 1,836,064; Dec. 15.
Bochmann, Charles F. (See Bouton, Eldrid L., assignor.)
Bochnak, Andrew, Bobtown, Pa. Aeroplane safety landing device. 1,810,550; June 16.
Bock, Carl J., assignor to Yellow Truck and Coach Manufacturing Company, Pontiac, Mich. Rear axle wheel bearing lubrication. 1,823,422; Sept. 15.
Bock, Carl J., assignor to Yellow Truck and Coach Manufacturing Company, Pontiac, Mich. Front brake control shaft. 1,826,380; Oct. 6.
Bock, Carl J., and W. D. Reese, Birmingham, assignors to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Radius rod. 1,833,405; Nov. 24.
Bock, Georg, Kelsterbach-on-the-Main, Germany. Money-counting machine. 1,802,044; Apr. 21.
Bock, Heinrich, Duren, Germany. Welding. 1,834,444; Dec. 1.
Bock Laundry Machine Company, The. (See Bock, William E., assignor.)
Bock, Max, Bad Kissingen, Germany. Protecting wooden masts, poles, sleepers, and the like. 1,800,593; Apr. 14.
Bock, Walter. (See Tschunkur, E., and Bock.)
Bock, Walther, Berlin-Steglitz, Germany, and K. Rath, New York, N. Y., assignors to C. Lorens, A. G., Berlin-Tempelhof, Germany. Electric regulation system. 1,807,190; May 26.
Bock, Wilhelm, Gwynedd, Pa. Humidifying apparatus. 1,812,131; June 30.
Bock, Wilhelm, Gwynedd, assignor to Dexdale Hosiery Mills, Lansdale, Pa. Reciprocating mechanism. 1,824,754; Sept. 22.
Bock, Wilhelm, assignor to Dexdale Hosiery Mills, Lansdale, Pa. Yarn tensioning device. 1,825,626; Sept. 29.
Bock, Wilhelm, and H. W. Matthews, assignors to Dexdale Hosiery Mills, Lansdale, Pa. Knitting and in knitting machines. 1,828,220; Oct. 20.
Bock, William E., assignor to The Bock Laundry Machine Company, Toledo, Ohio. Laundry-machine casing. Des. 82,969; Jan. 6.
Bock, William E., assignor, by mesne assignments, to The Bock Laundry Machine Company, Toledo, Ohio. Slip clutch. 1,837,520; Dec. 22.
Bockius, Stehman A. (See Meller, H. B., and Bockius.)
Bockius, Walter A., Wilmette, and H. B. Jones, Evanston, Ill. Convenience outlet. 1,794,359; Mar. 3.
Bockmühl, Max. (See Lautenschläger, C. L., Bockmühl, Ehrhard, and Schwarz.)
Bockmuhl, Max, Frankfort-on-the-Main-Hochst, and R. Knoll, Hornau-on-the-Taunus, assignors to I. G. Farbenindustrie Aktiengesellschaft Frankfort-on-the-Main, Germany. Basic compounds and preparing them. 1,805,355; May 12.
Bocknek, Jacob, Brooklyn, N. Y. Brush handle attachment. 1,821,875; Sept. 1.
Bocksruker, Alexander, Milwaukee, Wis. Propeller for aeroplanes. 1,797,068; Mar. 17.
Bockwitz, Andrew J., assignor of one-half to Grafton H. Self, Twin Falls, Idaho. Soil corrugator. 1,818,529; Aug. 11.
Boda, Joseph E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Plow. 1,823,641; Sept. 15.
Bodde, Theodore, Niagara Falls, assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Magnetron circuit controlling apparatus. 1,807,097; May 26.
Bodde, Theodore, Niagara Falls, assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Magnetron circuit controlling apparatus. 1,807,098; May 26.
Bodde, Theodore, Niagara Falls, assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Train control system. 1,810,551; June 16.
Bodde, Theodore, Niagara Falls, assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Train control system. 1,815,942; July 28.
Boddie, Clarence A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio transmitting system. 1,825,303; Sept. 29.
Boddie, Clarence A., and R. C. Curtis, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Radio signaling system. 1,815,045; July 21.
Bode, Hendrik W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 1,814,238; July 14.
Bode, Hendrik W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission network. 1,828,454; Oct. 20.
Boden, George, assignor to Scovill Manufacturing Company, Waterbury, Conn. Locking device for window screens. 1,788,855; Jan. 13.
Boden, George, assignor to Scovill Manufacturing Company, Waterbury, Conn. Package for pins. 1,799,776; Apr. 7.
Boden, James E., and R. T. Orr, assignors to Siluntkaddi Corporation, La Crosse, Wis. Golf bag. 1,811,296; June 23.
Boden, James H., Athens, Ohio. Flooring unit. Des. 84,271; June 2.
Bodendieck, Henry W., assignor to Tip's Tool Company, Incorporated, Taylorville, Ill. Handling apparatus for aerial lines. 1,793,732; Feb. 24.
Bodendieck, Henry W., assignor to Tip's Tool Company, Inc., Taylorville, Ill. Portable cross arm. 1,793,733; Feb. 24.
Bodensiek, Jennie M., New York, N. Y. Hose-supporter gripping device. 1,835,137; Dec. 8.
Bodenstein, Fred. (See Bodenstein, J. G., jr., and F.)
Bodenstein, John G., jr., and F. Bodenstein, Staatsburg-on-Hudson, N. Y. Ice holder. 1,830,085; Nov. 3.
Boderek, Bruno, Chicago, Ill. Child's vehicle. 1,827,350; Oct. 13.
Bodes, John A., Modesto, Calif. Milk cooler. 1,838,610; Dec. 29.
Bodge, Horace A., White Plains, N. Y., and J. C. Emley, Melrose Park, Pa. Bake oven. 1,797,677; Mar. 24.
Bodine, Alfred V., Fairfield, assignor to Dictaphone Corporation, Bridgeport, Conn. Control device. 1,801,067; Apr. 14.
Bodine, Alfred V., assignor to Dictaphone Corporation, Bridgeport, Conn. Acoustic device. 1,804,456; May 12.
Bodine, Alfred V., Fairfield, Conn., assignor to Dictaphone Corporation, Bridgeport, Conn. Dictation machine. 1,823,723; Sept. 15.
Bodine, Alfred V., Fairfield, assignor to Dictaphone Corporation, Bridgeport, Conn. Record resurfacing machine. 1,837,699; Dec. 22.

Bodine, Alfred V., and J. M. Lucarelle, assignors to Dictaphone Corporation, Bridgeport, Conn. Document holder. 1,804,455; May 12.
Bodkin, Irving S., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,826,341; Oct. 6.
Bodkin, John A., New York, N. Y. Rail anchor. 1,787,811; Jan. 6.
Bodman, Walter L., New York, N. Y. Refrigerator. 1,833,633; Nov. 24.
Bodman, Walter L., New York, N. Y., assignor to The Insulation Corporation. Refrigeration system and method. 1,814,114; July 14.
Bodman, Walter L., New York, N. Y., assignor to The Insulation Corporation. Refrigeration system and method. 1,814,280; July 14.
Bodmer, Albert, assignor to Heberlein & Co., A. G., Wattwil, Switzerland. Ornamenting textile materials and products therefrom. 1,829,849; Nov. 3.
Bodmer, Christian, assignor to The Stanley Works, New Britain, Conn. Ratchet mechanism. 1,825,936; Oct. 6.
Bodmer, Ernst, assignor to Durand & Huguenin S. A., Basel, Switzerland. Preparation of mordant disazodyestuffs. 1,815,827; July 21.
Bodnar, John, Atlasburg, Pa. Wire reel carrier. 1,805,564; May 19.
Bodwell, Paul D., and H. W. Bellows, assignors to Deca-Disc Phonograph Company, Waynesboro, Pa. Combined talking machine and advertising device. 1,837,608; Dec. 22.
Boe, Helmer J., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling reels. 1,832,446; Nov. 17.
Boe, Henry, Ruso, N. Dak. Receptacle-handle holder. 1,800,773; Apr. 14.
Boe Manufacturing Company. (See Henion, Walter R., assignor.)
Boeckel, Emile, Paris, France. Cigarette and cigar holder. 1,826,237; Oct. 6.
Boecking, Ewald. (See Frappier, L. S., and Boecking.)
Boeckling, Ewald. (See Kindelmann, A., and Boeckling.)
Boedecker, Friedrich, Berlin-Dahlem, Germany. Manufacture of the isomeric monoethyl ethers of protocatechuic aldehyde. 1,801,068; Apr. 14.
Boedecker, Friedrich, Berlin-Dahlem, assignor to the Firm J. D. Riedel Aktiengesellschaft, Berlin-Britz, Germany. Production of vanillin and i-vanillin. 1,812,132; June 30.
Boedecker, Friedrich, Berlin-Dahlem, assignor to the Firm J. D. Riedel-E. de Haen Aktiengesellschaft, Berlin-Britz, Germany. Manufacture of aromatic hydroxy aldehydes. 1,816,248; July 28.
Boedicker, Herman C., New York, N. Y. Photographic composing for printing plates and apparatus therefor. 1,787,662 - Jan. 6.
Boedicker, Herman C., New York, N. Y. Photo composing screen and plate holder. 1,805,202; May 12.
Boedicker, Herman C., New York, N. Y., assignor of one-half to C. Wagner, Hoboken, N. J. Press for producing printing surfaces on cylinders. 1,800,373; Apr. 14.
Boedtcher, Franz A., Bergenfield, assignor to Otis Elevator Company, Jersey City, N. J. Operating mechanism for elevator-shaft doors and car gates. 1,790,496; Jan. 27.
Boedtcher, Franz A., Bergenfield, assignor to Otis Elevator Company, Jersey City, N. J. Door hanger. 1,792,568; Feb. 17.
Boedtcher, Franz A., Bergenfield, assignor to Otis Elevator Company, Jersey City, N. J. Magnetically operated switch. 1,823,252; Sept. 15.
Boehland, Paul, Milwaukee, Wis. Christmas tree ornament. Des. 84,272; June 2.
Boehle, Herman F. A., Eden, N. Y. Vest or like article of apparel. Des. 83,787; Mar. 31.
Boehler, Raymond F., jr. (See Robbins, W. H., and Boehler.)
Boehm, Carl A. (See Wileman, Bertram T., assignor.)
Boehm, Carl N., assignor to Woodweb Shade Manufacturers, Inc., Washington, N. J. Window shade. 1,810,899; June 23.
Boehm, Conrad E. (See Drews, I. C., and Boehm.)
Boehm, John, assignor to The W. S. Tyler Company, Cleveland, Ohio. Woven wire screen and making same. 1,829,498; Oct. 27.
Boehmer, Morris, Montclair, N. J. Making clear chlorinated rubber solutions. 1,807,616; June 2.
Boehmer, Norris. (See Van Schaack, R. H., jr., and Boehmer.)
Boehmer, Theodore J., Columbus, Ohio. Cheese cutter. 1,820,342; Aug. 25.
Boehringer, C. H., Sohn. (See Seitz, Franz, assignor.)
Boehringer, C. H., Sohn Aktiengesellschaft. (See Scheuing, G., and Walach, assignors.)
Boehringer, C. H., Sohn, Chemische Fabrik. (See Rahn, Franz, assignor.)
Boehringer, Rudolph, Paterson, and H. Wolf, Hawthorne, assignors to Munitex Corporation, Paterson, N. J. Immunizing threads. 1,829,735; Nov. 3.
Boeing Airplane Company. (See Allen, Edmund T., assignor.)
Boeing Airplane Company. (See Canney, Frank R., assignor.)
Boeing Airplane Company. (See Haberlin, John F., assignor.)
Boeing Airplane Company. (See Harding, John, jr., assignor.)
Boeing Airplane Company. (See Johnson, Carl E., assignor.)
Boeing Airplane Company. (See Minshall, Robert J., assignor.)
Boenig, Fred, and G. H. Dresser, Jamaica, N. Y. Smoker's mouthpiece. 1,807,617; June 2.
Boeniger, Melchior, assignor to the firm "Chemical Works formerly Sandoz," Basel, Switzerland. Diazotizable primary disazo dyestuffs. 1,792,355; Feb. 10.
Boerstler, Edward W., et al., trustees. (See Boerstler, Edward W., assignor.)
Boerstler, Edward W., Watertown, Mass. Apparatus for projecting light rays. 1,790,086; Jan. 27.
Boerstler, Edward W., Watertown, assignor to E. W. Boerstler, A. Bicknell, Medford, and F. S. Macalaster, Cambridge, Mass., trustees. Producing therapeutic rays. 1,800,277; Apr. 14.
Boerstra, Jacobus, Haarlem, Netherlands, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Air heater. 1,816,466; July 28.
Boesel, Otto A., Ansonia, Conn., to The H. A. Matthews Manufacturing Company, Seymour, Conn. Luggage lock. Des. 83,387; Feb. 17.
Boesger, George A., assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio. Pressure operated sand blast valve. 1,814,616; July 14.
Boesler, Walter. (See Pier, M., Boesler, and Eisenhut.)
Boettcher, Arthur H., Evanston, assignor to Gulbransen Company, Chicago, Ill. Player piano. 1,788,561; Jan. 13.
Boettcher, Gustav A., New York, N. Y. Looping device. 1,796,236; Mar. 10.
Boettcher, Gustav A., Jamaica, N. Y. Free floating shuttle holder. 1,802,869; Apr. 28.
Boettcher, Herman H., Blue Earth, Minn. Scooping machine. 1,810,389; June 16.
Boettcher, Jacob H. L., assignor to Devices Corporation of New Jersey, Orange, N. J. Machine for feeding biscuits and the like. 1,801,997; Apr. 21.
Boettger, Charles E., assignor to F. Heller, Royersford, Pa. Hook connection for footing machines. 1,801,219; Apr. 14.
Boetzel, Rozane, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 85,902; Dec. 29.
Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Box. Re18,245; Nov. 10.
Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Box. 1,795,293; Mar. 10.
Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Box. 1,801,998; Apr. 21.
Boeye, Paul F., St. Paul, assignor to Waldorf Paper Products Company, St. Paul, Minn. Making composite corrugated and solid fiber board. 1,821,539; Sept. 1.
Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Shipping container for individual batteries. 1,837,012; Dec. 15.
Bogart, Fred H. (See Burrell, E. P., and Bogart.)
Bogart, Fred H., assignor to The Warner & Swasey Company, Cleveland, Ohio. Coupling boring and threading machine. 1,817,668; Aug. 4.
Bogart, Fred H., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Loading device for machine tools. 1,817,669; Aug. 4.
Bogart, Fred H., Shaker Heights, Ohio. Chuck closing and opening mechanism. 1,831,225; Nov. 10.
Bogart, Guy B., Lockport, Ill., assignor to The Texas Company, New York, N. Y. Carbon-removing apparatus. 1,792,887; Feb. 17.
Bogaty, Hermann. (See Hurxthal, A. O., and Bogaty.)
Bogatz, Peter S., Omaha, Nebr. Corn harvester. 1,821,374; Sept. 1.
Bogdanov, Vladimir N., Moscow, Union of Socialist Soviet Republics. Automatic coupling. 1,820,213; Aug. 25.
Boger, John E., Hoisington, Kans. Conveyer. 1,825,572; Sept. 29.
Bogert, John L., Brooklyn, N. Y. Vertical opposed cylinder internal combustion engine. 1,819,730; Aug. 18.
Boggero, Giovanni, assignor to S. A. B. I. E. Società Anonima Brevetti Italiani Esteri, Turin, Italy. Telegraphic and wireless transmission system. 1,799,083; Mar. 31.
Boggiano-Pico, Luigi, Genoa, Italy. Plant for treating organic refuse. 1,832,179; Nov. 17.
Boggild & Jacobsen, Messrs. (See Jensen, J. J., assignor.)
Boggs, Charles R., Waban, assignor to Simplex Wire & Cable Company, Boston, Mass. Insulation. 1,829,209; Oct. 27.
Boggs, Charles R., Waban, and J. T. Blake, assignors to Simplex Wire & Cable Company, Boston, Mass. Rubber compound and articles. 1,804,199; May 5.
Boggs, Howie, Pound, Va. Cable reel for mining machines. 1,827,380; Oct. 13.
Boggs, Hugh L., assignor of one-fourth to F. Piotti and one-fourth to K. Moonjian, Savannah, Ga. Automatic vacuum pressure gravity water system. 1,825,772; Oct. 6.
Boggs Manufacturing Corporation. (See Ghent, William E., assignor.)
Boggs Plow Company. (See Neufang, Henry J., assignor.)

Boggs Plow Company. (See Neufang, H. J., and Waldo, assignors.)
Bogie, George M. (See Leach, C. W., and Bogie.)
Bognar, Edwin J. (See Orwick, H. R., and Bognar.)
Bogopolsky, Jacques, Geneva, Switzerland. Cinematographic apparatus for the projection of fixed and moving pictures. 1,802,045; Apr. 21.
Bogoslowsky, Boris M., Ferguson, Mo., assignor, by mesne assignments, to The Universal Match Corporation. Assembling machine. 1,787,506; Jan. 6.
Boháč, Karel, Prague, Czechoslovakia. Joint connection of the rods in structures, girders and the like. 1,821,736; Sept. 1.
Bohan, John C., Hawley, Pa. Conductor terminal. 1,820,429; Aug. 25.
Bohan, Joseph H., Chicago, Ill. Display frame. 1,837,521; Dec. 22.
Bohannon, George E. (See Mundy, J. W., and Bohannon.)
Bohannon, Robert L., Berkeley, assignor of fifty-one one-hundredths to A. A. Thiel, Oakland, Calif. Animal trap. 1,815,541; July 21.
Bohl, Hugo, Westfield, N. J., assignor to Radiant Lighting Fixture Co., Inc., New York, N. Y. Glass shade for a lighting fixture or article of similar nature. Des. 84,070; May 5.
Bohli, Jakob, assignor to Scintilla A. G., Solothurn, Switzerland. Ignition coil for battery-ignition apparatus. 1,798,060; Mar. 24.
Bohlig, Martin, assignor of one-half to P. B. Warner, St. Paul, Minn. Coin controlled mechanism. 1,808,519; June 2.
Bohlin, Helge. (See Brund, A., and Bohlin.)
Bohlman, Ernest A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Multiple control. 1,794,752; Mar. 3.
Bohlman, Ernest A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Socket. 1,833,984; Dec. 1.
Bohlman, Ernest A., and M. Rose, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Tube mechanism. 1,894,753; Mar. 3.
Bohlman, Walter S., Atlantic City, N. J., assignor to Chromium Corporation of America, New York, N. Y. Electrodepositing chromium. 1,809,826; June 16.
Bohm, Adolph. (See Danielson, Gustav E., assignor.)
Bohm Aluminum & Brass Corporation. (See Nelson, Adolph L., assignor.)
Böhm, Friedrich, Stuttgart, Germany. Direct current electromotor. 1,826,342; Oct. 6.
Böhm, Otto, and W. Moser, assignors to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Vibrator-type centrifugal switch. 1,790,337; Jan. 27.
Bohmann, Arthur A., and K. Scheibel, Dresden, assignors to Würker Gesellschaft mit beschränkter Haftung, Dresden, Saxony, Germany. Button-hole attachment for sewing machines. 1,802,551; Apr. 28.
Böhme Aktiengesellschaft, H. Th. (See Bertsch, Heinrich, assignor.)
Bohmer, Clarence I. (See Mosel, J. H., and Bohmer.)
Bohmer, Henry, jr., Haddonfield, assignor to Flexitallic Gasket Co., Camden, N. J. Gasket. 1,829,709; Oct. 27.
Bohmker, John C., Bradley, assignor to Sears, Roebuck and Co., Chicago, Ill. Plow bracket. 1,830,013; Nov. 3.
Bohn Aluminum & Brass Corporation. (See Bateman, A. T., and Irvine, assignors.)
Bohn Aluminum and Brass Corporation. (See Fiegel, W. J., and Enderich, assignors.)
Bohn Aluminum and Brass Corporation. (See Fiegel, W. J., and Jones, assignors.)
Bohn Aluminum & Brass Corporation. (See Jones, F. C., and Skillman, assignors.)
Bohn Aluminum & Brass Corporation. (See Nelson, Adolph L., assignor.)
Bohn, Frank J., Washington, D. C. Micrometer gauge for internal threads. 1,797,121; Mar. 17.
Bohn, Frank J., Washington, D. C. Micrometer gauge for internal threads. 1,797,122; Mar. 17.
Bohn, Gebhard C., St. Paul, Minn. Hinge. Des. 83,491; Mar. 3.
Bohn, Gebhard C., St. Paul, Minn. Hinge. Des. 84,178; May 19.
Bohn, Gebhard C., St. Paul, Minn. Refrigerator closure. 1,814,661; July 14.
Bohn, Gebhard C., St. Paul, Minn. Door hardware with screw projection. 1,819,696; Aug. 18.
Bohn, Gebhard C., St. Paul, Minn. Refrigerator. 1,836,221; Dec. 15.
Bohn, Harry. (See Hersh, Lovell A., assignor.)
Bohn, Harry. (See Roberts, Charles, assignor.)
Bohnenblust, Arnold, Riley, Kans. Double acting pump cylinder. 1,830,257; Nov. 3.
Bohnenblust, Arnold, Riley, Kans. Cylinder pump. 1,830,258; Nov. 3.
Bohner, August V., Great Falls, Mont. Tool. 1,834,266; Dec. 1.
Bohner, Chance E., East Orange, and A. M. Trogner, Maplewood, N. J., assignors to Wired Radio, Inc., New York, N. Y. Anticapacity switch. 1,829,336; Oct. 27.
Bohner, Clyde J. (See Foster, Ralph H., assignor.)
Bohnhardt, Bruno F. (See Bohnhardt, Charles F. H. and B. F.)
Bohnhardt, Charles F. H., Lynwood, Calif. Tank truck gauge. 1,818,295; Aug. 11.
Bohnhardt, Charles F. H., and B. F., Lynwood, Calif. Noncorroding valve. 1,803,889; May 5.
Bohnsack, John A., Cleveland Heights, assignor to The E. F. Hauserman Company, Cleveland, Ohio. Metallic building element. 1,797,123; Mar. 17.
Bohnsack, John A., Cleveland Heights, assignor to The E. F. Hauserman Company, Cleveland, Ohio. Adjustable abutment mold. 1,803,589; May 5.
Bohnsack, John A., Cleveland Heights, assignor to The E. F. Hauserman Company, Cleveland, Ohio. Panel unit. 1,816,512; July 28.
Bohr, Marcia C., San Francisco, Calif. Combination trouser skirt. 1,810,237; June 16.
Bohraus, Werner, Montreal, Quebec, Canada. Back-fire trap for rectifiers or converters. 1,831,587; Nov. 10.
Bohrer, Raymond E., assignor to The Todd Company, Inc., Rochester, N. Y. Check writer. 1,796,187; Mar. 10.
Bohrer, Raymond E., assignor to Todd Company, Incorporated, Rochester, N. Y. Machine for applying characters to sheets. 1,797,973; Mar. 24.
Bohrer, Raymond E., assignor to The Todd Company, Incorporated, Rochester, N. Y. Safety paper. 1,799,499; Apr. 7.
Boicourt, Allan H. (See Boicourt, Edward H. and A. H.)
Boicourt, Edward H. and A. H., Rockwell City, Iowa. Automatic fuse setting apparatus. 1,806,593; May 26.
Boidin, Albert R., Seclin, and I. A. Effront, Marcq en Baroeul, France. Unhairing and batting skins. 1,812,921; July 7.
Boileau, Arthur H., assignor to Cherry-Burrell Corporation, Cedar Rapids, Iowa. Power churn. 1,805,464; May 19.
Boileau, Arthur H., Cedar Rapids, Iowa, assignor, by mesne assignments, to Cherry-Burrell Corporation, Wilmington, Del. Power churn. 1,805,753; May 19.
Boiles, Harry H., Jersey City, N. J. Dispensing device. 1,800,431; Apr. 14.
Boillot, Henry F., Marshall, Mo., assignor of one-half to G. S. Noble, Chicago, Ill. Self-igniting cigarette. 1,835,928; Dec. 8.
Boiney, Joseph F., Tonawanda, N. Y. Method and apparatus for dry cleaning. 1,795,006; Mar. 3.
Bois, Nathaniel, San Franciso, Calif. Stair form. 1,799,405; Apr. 7.
Boiseau, Richard E., Washington, D. C. Receptacle. 1,792,356; Feb. 10.
Boisvert, Onesime, East Providence, R. I. Guard for planing machines. 1,801,326; Apr. 21.
Boitel, Achille, Berlin, Germany, assignor, by mesne assignments, to Dual Motors, Ltd., London, England. Electric motor. 1,796,556; Mar. 17.
Bok, Philip, Reading, Ohio, assignor to The Unexcelled Manufacturing Company, Inc., New York, N. Y. Flare device. 1,832,855; Nov. 24.
Bokelmann, Heinrich, Berlin, and H. Gastrow, Berlin-Zehlendorf, Germany. Marking means for electric conduits. 1,799,881; Apr. 7.
Boker, Vitus A., assignor to Min-A-Max Co., Minneapolis, Minn. Grease gun. 1,801,069; Apr. 14.
Boker, Vitus A., assignor to Min-A-Max Co., Minneapolis, Minn. Nozzle for lubricating systems. 1,802,700; Apr. 28.
Boker, Vitus A., assignor to Min-A-Max Co., Minneapolis, Minn. High pressure grease gun. 1,803,312; May 5.
Boker, Vitus A., assignor to Min-A-Max Co., Minneapolis, Minn. Lubricator coupling means. 1,806,278; May 19.
Bokum, William F. (See Allen, T. W., Bokum, and Senior.)
Bol, Cornelis, assignor to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands. Incandescent body fastener. 1,819,146; Aug. 18.
Bolakowski, Vincent J., South Chicago, Ill. Hinge. 1,811,136; Sept. 1.
Boland, Charles R., Baltimore, Md. Ash receiver. 1,813,837; July 7.
Boland, Joseph J., Keyport, N. J., assignor, by mesne assignments, to Uppercu-Burnelli Corporation. Bearing. 1,798,139; Mar. 31.
Boland, Joseph J., assignor, by mesne assignments, to Aeromarine Plane & Motor Company, Inc., Kayport, N. J. Valve mechanism. 1,802,330; Apr. 28.
Boland, Joseph J., assignor, by mesne assignments, to Aero-Marine Plane & Motor Company, Inc., Keyport, N. J. Valve gear. 1,803,459; May 5.
Boland, Joseph P., Brooklyn, N. Y., assignor to Marshall Field & Company, Chicago, Ill. Bloomer or like garment. 1,830,824; Nov. 10.
Boldingh, Willem H., Eindhoven, Netherlands. X-ray aggregate. Des. 83,659; Mar. 17.
Boldt, William C., Muskego, Wis. Conveyer. 1,800,814; Apr. 14.
Bolduc, Albert, Detroit, Mich. Adjusting mechanism for propeller blades. 1,835,006; Dec. 8.
Bolen, Emerson A. (See Weaver, H. H., and Bolen.)
Bolen, Jesse T., Beaverton, assignor of one-fourth to K. D. Christy, and one-fourth to F. Christy, Klamath Falls, Oreg. Power drag saw. 1,804,969; May 12.
Bolen, Ralph H., Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio. Lead lined pickling tank. 1,835,843; Dec. 8.
Bolender, Augustus B., assignor to Warner Gear Company, Muncie, Ind. Jig bushing. 1,804,381; May 5.

Bolens, Harry W., Port Washington, Wis. Hydraulic jack. 1,793,462; Feb. 24.
Boles, Robert T., assignor of one-half to H. C. Steinberg, El Dorado, Ark., and one-half to Phillips Petroleum Company, Bartlesville, Okla. Oil well rig. 1,822,268; Sept. 8.
Boley, Roy A., Kenmore, N. Y., assignor to Oxweld Acetylene Company. Acetylene generator. 1,835,136; Dec. 8.
Bolgiano, John F. Dayton, Ohio. Power transmission. 1,804,668; May 12.
Bolin, Charles D., St. Louis, Mo. Indicating device. 1,795,422; Mar. 10.
Bolin, Simon, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Loom. 1,822,334; Sept. 8.
Bolinders, J. & C. G., Mekaniska Verkstads Aktiebolag. (See Österberg, Karl E. R., assignor.)
Bolinders, J. & C. G., Mekaniska Verkstads Aktiebolag. (See Sjöman, C. F., and Pettersson, assignors.)
Boling, Hans K., Lentner, Mo. Loading device. 1,834,822; Dec. 1.
Boll, Georg, Mannheim, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Frequency dependent regulator. 1,787,435; Jan. 6.
Boll, George M. (See Tebbs, L., and Boll.)
Boll, Lester P. (See Birkenmaier, T., and Boll.)
Boll, Lester P. (See Matthews, C. L., Boll, and Crump.)
Boll, Lester P., University City, assignor to W. N. Matthews Corporation, St. Louis, Mo. Fuse link. 1,797,850; Mar. 24.
Boll, Lester P., Maplewood, and T. Birkenmaier, assignors to W. N. Matthews Corporation, St. Louis, Mo. Switch. 1,787,772; Jan. 6.
Bollaert, Medard F., Oakland, Calif. Punching machine. 1,837,522; Dec. 22.
Boller, Carl H., Los Angeles, Calif. Adjustable rail fitting. 1,837,354; Dec. 22.
Boller, David E. (See Losure, Lisander, assignor.)
Bollermann, Anton, Los Angeles, Calif. Casement sash frame. 1,833,819; Nov. 24.
Böllert, Gustav, Hamburg, Germany. Splash catcher. 1,792,138; Feb. 10.
Bolling, John E., Mountain Lakes, N. J. Supporting and equilibrating lamp shades. 1,811,683; June 23.
Bolling, Robert, Detroit, Mich. Bake oven. Des. 83,088; Jan. 20.
Bollinger, Edward, San Francisco, Calif. Insulator for automobile hoods. 1,826,046; Oct. 6.
Bollinger, John C., Olympia, Wash. Sleeve holder. 1,804,308; May 5.
Bollinger, Paul, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Rocker-ring structure for railway motors. 1,823,313; Sept. 15.
Bollman, Hermann. (See Brown, J. C., and Bohrman.)
Bollman, Hermann. (See Neiss, Oskar, assignor.)
Bollmann, Martin, Berlin, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. 1-methyl-4-hydroxybenzene caprylate. 1,813,607; July 7.
Bollmeier, Louis F., and R. P. Colwill, Omaha, Nebr. Beet-harvesting machine. 1,792,529; Feb. 17.
Bollweg, Bernhard. (See Zeh, L., Kramer, and Bollweg.)
Bollwine, Mary A., Tampico, Mex. Brassière. 1,804,855; May 12.
Bolte, John W., Indianapolis, Ind. Minnow bucket. 1,834,329; Dec. 1.
Bolton, Archer L., North Andover, assignor to John W. Bolton and Sons, Inc., Lawrence, Mass. Paper making roll and covering it. 1,829,630; Oct. 27.
Bolton, Becher B., Glendale, assignor to W. Steen, Brea, Calif. Tile block. Des. 82,970; Jan. 6.
Bolton, Harry D., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,827,778; Oct. 20.
Bolton, James A., Lower Plenty, via Heidelberg, near Melbourne, Australia. Apparatus for dispensing liquids. 1,827,555; Oct. 13.
Bolton, James D., Los Angeles, Calif. Can opener. 1,815,094; July 21.
Bolton, John A., Timperley, England. Apparatus for regulating the concentration of solutions. 1,806,536; May 19.
Bolton, John C. (See Deutscher, H. F., and Bolton.)
Bolton, John H., and S. B. Hyde, assignors to Whitin Machine Works, Whitinsville, Mass. Thread guide for spinning or twisting frames. 1,834,933; Dec. 8.
Bolton, John W., and Sons, Inc. (See Bolton, Archer L., assignor.)
Bolton Printing Company, The. (See Shaw, Clarence F., assignor.)
Boltz, Fred S., Mansfield, Mass. Soil-water catch basin and heat reclaimer. 1,789,377; Jan. 20.
Boltz, Fred S., Mansfield, Mass. Tank. 1,797,257; Mar. 24.
Boltz, Fred S., Mansfield, Mass. Catch basin for soil water heat reclaimers. 1,815,542; July 21.
Boltz, Fred S., Mansfield, Mass. Tank. 1,815,543; July 21.
Boman, Sidney J. (See Bennett, H. M., and Boman.)
Bombard, Joseph A., and R. J. Rogers, Saranac Lake, N. Y. Car ventilator. 1,836,438; Dec. 15.
Bombard, Joseph A., Saranac Lake, N. Y., and R. J. Rogers, Laguna Beach, Calif., assignors of one-half to E. W. Dixon, Baltimore, Md. Ventilator. 1,820,430; Aug. 25.
Bommer, Emil, Brooklyn, N. Y. Door closer and check. 1,816,169; July 28.
Bommer, Fred W., Everett, Mass. Rubber-thread-cutting machine. 1,788,615; Jan. 13.
Bommer, Max. G. de Montmolin, J. Fröhlich, Basel, F. Grieshaber, Riehen, near Basel, W. Jaeck, Basel, and F. Felix, Riehen, near Basel, Switzerland, assignors to the Firm: Society of Chemical Industry in Basle, Basel, Switzerland. Preparation of dyestuffs which are of value for obtaining fast tints on the different fibers and making same. 1,828,592; Oct. 20.
Bonamico, Charles. (See Goldsmith, J. N., Baker, and Bonamico.)
Bonander, John E., Calumet City, Ill. Card holder. 1,821,876; Sept. 1.
Bonander, John Erik, Calumet, Ill. Card holder. 1,807,467; May 26.
Bonanno, Lawrence F., New York, N. Y. Reversible electric vaporizer. 1,792,139; Feb. 10.
Bonardi, Victoria M., assignor to Gabriele Mauriello, Worcester, Mass. Sandwich. Des. 84,023; Apr. 28.
Bonat, Harry, New York, N. Y. Method and apparatus for waving hair. 1,827,455; Oct. 13.
Bonat, Samuel, et al. (See Mack, Carl, assignor.)
Bonat, Samuel, & Bro. (See Mack, Carl.)
Bonbright, John M., Detroit, Mich. Automobile body construction. 1,813,380; July 7.
Bond, Alexander R., Plainfield, N. J., assignor to The Owen Automatic Spring Machinery Company. Forming coil springs. 1,835,589; Dec. 8.
Bond Electric Corporation. (See Brown, James T., assignor.)
Bond, Elizabeth S. (See Bond, Hill and E. S.)
Bond Foundry & Machine Company. (See Bowen, James, assignor.)
Bond Games, Inc. (See Robinson, John W., assignor.)
Bond, Hill and E. S., Memphis, Tenn. Art and apparatus of buoyant garments. 1,788,480; Jan. 13.
Bond, Jayson K., Milwaukee, Wis. Circulatory system for refrigerated counters. 1,818,034; Aug. 11.
Bond, Joseph E., Appleton, Wis. Agitator. 1,791,705; Feb. 10.
Bond, Joseph E., Appleton, Wis. Agitator. 1,791,706; Feb. 10.
Bond, Joseph E., Appleton, Wis. Method of and apparatus for digesting wood. 1,808,830; June 9.
Bond, Joseph T. (See Wright, W. L., and Bond.)
Bond, Joseph T., Richmond, Va. Air deflector. Re18,305; Dec. 29.
Bond, Lester W., assignor to The Kroder Reubel Company, New York, N. Y. Rod fastener. 1,808,628; June 2.
Bond, Lester W., assignor to The Kroder Reubel Co., Inc., New York, N. Y. Master carrier for curtain tracks. 1,818,786; Aug. 11.
Bond, Marion E. (See Curtis, L. F., and Bond.)
Bond, Raymond W., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Dispensing apparatus of the visible type. 1,814,662; July 14.
Bond, Raymond W., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Totalizing counter mechanism for dispensing pumps. 1,814,663; July 14.
Bond, Raymond W., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Dispensing apparatus of the visible type. 1,816,513; July 28.
Bond, Samuel C., Holly Oak, Del., assignor to The Henry P. Scott Company. Bar sizing or shaving machine. 1,817,608; Aug. 4.
Bond, Samuel C., Holly Oak, Del., assignor to The Henry P. Scott Company. Determining moisture content. 1,825,896; Oct. 6.
Bond, Sherman G., Wichita, Kans. Metal window awning. 1,813,017; July 7.
Bond, William L., Schenectady, N. Y., assignor to General Electric Company. Current regulating device. 1,804,243; May 5.
Bond, William L., Schenectady, N. Y., assignor to General Electric Company. Shielded radio receiving apparatus and the like. 1,816,718; July 28.
Bondurant, Pauline. (See Roe, Hilton W., assignor.)
Bondy, Edward G., River Rouge, Mich. Drilling machine. 1,791,896; Feb. 3.
Bone, Evan P., Cincinnati, Ohio. Head lamp. 1,787,470; Jan. 6.
Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Locking mechanism. 1,807,618; June 2.
Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 1,812,191; June 30.
Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuits. 1,812,192; June 30.
Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 1,812,193; June 30.
Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuit. 1,828,994; Oct. 27.
Bone, Herbert L., assignor to The Union Switch & Signal Company, Swissvale, Pa. Wheel scraping apparatus and the like. 1,831,802; Nov. 17.
Bonebrake, Paul K., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Watchcase. Des. 83,029; Jan. 13.

Bonell, Ralph K., East Orange, N. J., assignor to American Telephone and Telegraph Company. Static frequency changer. 1,819,069; Aug. 18.
Bong, Charles K. (See Kitts, H. R., and Bong.)
Bonge, George A., Hearne, Tex. Lifting jack. 1,808,629; June 2.
Bongiovanni, Antonio, and F. Papotto, assignors of one-half to E. W. Walsh, and R. J. McCormick, Barnesboro, Pa. Barber-chair appliance. 1,798,829; Mar. 31.
Bonham, Guy L., West Hartford, Conn. Game. 1,812,253; June 30.
Bonham, Harry J., Los Angeles, Calif. Load holder for vehicles and the like. 1,838,736; Dec. 29.
Bonham, Llewellyn, Oxford, Ohio. Lubricating device. 1,790,222; Jan. 27.
Bonic, Isaac W., Milwaukee, Wis. Scoring device. 1,833,453; Nov. 24.
Bonin, Maxime, et al. (See Thibault, Adelbert, assignor.)
Bonine, Charles E., Melrose Park, Pa. Sound reproducer. 1,836,222; Dec. 15.
Bonitz, Fred W., Charlotte, N. C. Apparatus for audible signboard advertising. 1,810,264; June 16.
Bonn, Norman E., assignor to Leeds & Northrup Company, Philadelphia, Pa. Program-controlling system. 1,795,753; Mar. 10.
Bonn, Norman E. assignor to Leeds & Northrup Company, Philadelphia, Pa. Speed control system. 1,834,267; Dec. 1.
Bonnaud, Pierre, and L. M. A. Jourdan, Lyon, France, assignors, by mesne assignments, to Nashua Manufacturing Company, Boston, Mass. Process and apparatus for engraving printing cylinders 1,788,229; Jan. 6.
Bonner, Frank, High Stone, London, England. Fretting attachment for stringed musical instruments. 1,795,825; Mar. 10.
Bonner, Joseph C., Toledo, Ohio. Vehicle fastening or locking device. 1,792,357; Feb. 10.
Bonner, Joseph C., Toledo, Ohio. Vehicle aligning, elevating, and storing means. 1,793,901; Feb. 24.
Bonnette, Perry B., Chicago, Ill. Overload indicator. 1,809,373; June 9.
Bonney, Alfred, jr., Verona, N. J., assignor to Westinghouse Lamp Company. Incandescent electric lamp bulb. Des. 84,723; July 21.
Bonney-Floyd Company, The. (See Edmunds, Glenn E., assignor.)
Bonney, Lynn F. (See Wright, J. C., and Bonney.)
Bonney, Robert D., Glen Ridge, and W. B. Coleman, Kearny, N. J., assignors to Congoleum-Nairn, Inc. Testing. 1,827,184; Oct. 13.
Bonnheim, Arthur B., Chicago, Ill. Refrigerating apparatus. 1,796,916; Mar. 17.
Bonnot Company, The. (See Lentz, George W., assignor.)
Bonoff, Charles E. (See Troy, Max, assignor.)
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,793,046; Feb. 17.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,813,558; July 7.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,821,904; Sept. 1.
Bonsall, Charles D., Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,836,952; Dec. 15.
Bonsall, Seymour W., Newark, N. J., assignor, by mesne assignments, to E. W. Small and A. Benedict, trustees. New York, N. Y. Natural air drier. 1,822,431; Sept. 8.
Bonsieur, Le, assignor to The General Industries Company, Elyria, Ohio. Cutter for turntable covers. 1,821,611; Sept. 1.
Bonsieur, Le, assignor to The General Industries Co., Elyria, Ohio. Molding and apparatus therefor. 1,834,763; Dec. 1.
Bonsor, Walter, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for positioning and holding work for material working apparatus. 1,815,699; July 21.
Bontempi, Giuseppe, New York, N. Y. Machine for the production of artificial flowers. 1,820,524; Aug. 25.
Boock, Alfred C. (See Jahnke, C. B., and Boock.)
Bood, Anton E., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Traversing-means for winding machines. 1,836,105; Dec. 15.
Booge, James E., Hillside, N. J., assignor, by mesne assignments, to The Grasselli Chemical Company. Lithopone and preparing same. 1,818,190; Aug. 11.
Booge, James E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stable homogeneous nitrocellulose drying oil mixtures and making same. 1,825,773; Oct. 6.
Booge, James E., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Liquid coating composition and making same. 1,825,935; Oct. 6.
Book, Herbert V. (See de Lugacsevics, Charles, assignor.)
Booker, Homer N. (See Wessel, L. H., and Booker.)
Bookheim, Sol, assignor to Draw-Trim Corporation of America, Albany, N. Y. Machine for drawing and trimming poultry. 1,798,585; Mar. 31.
Boone, Clifford C., Chicago, Ill., assignor to American Can Company, New York, N. Y. Box or similar container. Des. 84,509; June 30.
Boone, Wallie R., Lubbock, Tex. Cotton gatherer. 1,789,803; Jan. 20.
Boonton Molding Company. (See Scribner, George K., assignor.)
Boonzaier, Gregorio J., Harlesden, England. Cam device. 1,817,609; Aug. 4.
Booraem, John F., Greenwich, Conn., and R. M. Sutphen, Newark, N. J.; said Sutphen assignor to said Booraem. Swimming-pool construction. 1,797,397; Mar. 24.
Boorman, Edward T., Milltown, assignor to King Press, Inc., borough of Carlstadt, N. J. Finishing playing cards. 1,806,583; May 26.
Boorum & Pease Company. (See Bingham, Frederick C., assignor.)
Boorum & Pease Company. (See Finley, Charles A., assignor.)
Boorum & Pease Company. (See Lewis, Harry B., assignor.)
Boorum & Pease Company. (See Von Auw, Alwin, assignor.)
Boos, Frederick E. E., and R. N. Chamberlain, Chicago, Ill., assignors, by mesne assignments, to Gould Storage Battery Corporation, Depew, N. Y. Protecting storage battery grids. 1,826,724; Oct. 13.
Boos, Henry P. (See Hagman, Harry C., assignor.)
Boos, William, Mineola, N. Y. Fur knife. 1,829,499; Oct. 27.
Boosalis, Michael G., Rochester, and A. S. T. Lagaard, Minneapolis, assignors of one-half to said Boosalis and one-half to G. J. Mitchell, Minneapolis, Minn. Display device. 1,798,778; Mar. 31.
Booser, Edward F., Homestead, assignor of forty per cent to R. M. Smeltzer, Pittsburgh, Pa. Scaffold. 1,828,487; Oct. 20.
Boosey, Edward W. N., Detroit, Mich. Noncorrodible clean-out fitting. 1,796,077; Mar. 10.
Boosey, Edward W. N., Detroit, Mich. Grease trap. 1,801,262. Apr. 21.
Boosey, Edward W. N., Detroit, Mich. Pressure relief valve. 1,815,394; July 21.
Boosey, Edward W. N., Detroit, Mich. Floor drain. 1,837,945; Dec. 22.
Booth, Andrew B., Natalbany, La. Steering for tractors. 1,834,675; Dec. 1.
Booth, Augustus D., Columbus, Ohio. Roller bearing. 1,806,279; May 19.
Booth, Augustus D., assignor to The Chase Foundry and Mfg. Company, Columbus, Ohio. Coupler. 1,816,206; July 28.
Booth, Burnett C., Los Angeles, Calif. Lineman's platform. 1,826,120; Oct. 6.
Booth, Clement. (See Binns, C. W., and Booth.)
Booth, Clement, Danbury, Conn., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Centerless grinder. 1,803,165; Apr. 28.
Booth, Clement, Danbury, Conn., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,806,886; May 26.
Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,814,361; July 14.
Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Centerless grinding machinery. 1,814,362; July 14.
Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,814,363; July 14.
Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Valve grinder. 1,814,364; July 14.
Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,814,365; July 14.
Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,816,170; July 28.
Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Valve grinder. 1,816,171; July 28.
Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,828,387; Oct. 20.
Booth, Earl C., Indianapolis, Ind. Electric heater. Des. 84,179; May 19.
Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Indianapolis, Ind. Automobile-body heater. Des. 85,083; Sept. 15.
Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Indianapolis, Ind. Automobile-body heater. Des. 85,084; Sept. 15.
Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Indianapolis, Ind. Automobile-body heater. Des. 85,085; Sept. 15.
Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Indianapolis Ind. Automobile body heater. Des. 85,154; Sept. 22.
Booth, F. E., Company. (See Peebles, David D., assignor.)
Booth Fisheries Company. (See Hendron, William J., assignor.)
Booth, Frank, San Diego, Calif. Ironing apparatus. 1,822,269; Sept. 8.
Booth, Garry M., Dearborn, Mich. Auto towing device. 1,806,606; May 26.

Booth, Herbert L., Beverly Hills, Calif. Weed cutter. 1,816,890; Aug. 4.
Booth, Levis M., Plainfield, N. J. Manufacturing paper and paper board. 1,788,790; Jan. 13.
Booth, Levis M., Plainfield, N. J. Manufacture of pulp and paper. 1,813,658; July 7.
Booth, Lionel E., assignor to The General Engineering Company, Salt Lake City, Utah. Flotation. 1,807,823; June 2.
Booth, Morris F., Chicago, Ill. Cooling unit for refrigerating systems. 1,798,652; Mar. 31.
Booth, Morris F., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Cooling unit for refrigerating systems. Re18,182; Sept. 8.
Booth, Robert J., Dannemora, N. Y. Combination garment and kit. 1,827,456; Oct. 13.
Booth, Thomas, Boise City, Idaho. Animal trap. 1,837,650; Dec. 22.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Vehicle wheel hub and brake-drum assembly. 1,800,883; Apr. 14.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Cover plate for vehicle wheel. 1,802,372; Apr. 28.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Machine for sizing and punching vehicle wheel rims. 1,807,824; June 2.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Vehicle wheel. 1,809,231; June 9.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Machine for riveting spokes of vehicle wire wheels. 1,812,032; June 30.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Tire carrying rim. 1,812,033; June 30.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Machine for perforating rim lugs. 1,812,133; June 30.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Lubricant protecting structure for internal brakes of vehicle wheels. 1,816,172; July 28.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Lubricant protecting structure for internal brakes of vehicle wheels. 1,816,173; July 28.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Vehicle wheel. 1,816,925; Aug. 4.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wire wheel. 1,816,926; Aug. 4.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Work chuck. 1,821,926; Sept. 8.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Machine for riveting lugs to a tire carrying rim. 1,825,175; Sept. 29.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Brake drum. 1,826,413; Oct. 6.
Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Forming vehicle wheel rim members. 1,826,449; Oct. 6.
Boothman, Dale M., Oakmont, and J. A. Cullerton, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Method of and apparatus for soldering. 1,813,657; July 7.
Boothman, James W., Providence, R. I. Window screen and frame construction. 1,811,111; June 23.
Boots, Eugene, Denver, Colo. Lifting jack. 1,821,737; Sept. 1.
Boot's Pure Drug Company Limited. (See Marshall, Joseph, assignor.)
Booty, Philip C. P., assignor of one-half to Michael T. Daley, Chicago, Ill. Container. 1,816,141; July 28.
Booze, MacDonald C. (See Phelps, S. M., and Booze.)
Bopf, Amelia, executrix. (See Bopf, William, assignor.)
Bopf, William, deceased, Wausau, Wis.; A. Bopf, executrix. Educational demonstrating device. 1,802,331; Apr. 28.
Bora, Frank W., et al, trustees. (See Arey, Fred C., assignor.)
Borchardt, Stanley, Wauwatosa, Wis. Variable pitch propeller. 1,831,284; Nov. 10.
Borcherdt, Walter O., Austinville, Va., assignor to The New Jersey Zinc Company, New York, N. Y. Deflocculation of colloids. 1,799,277; Apr. 7.
Borcherdt, Walter O., Mountain Lakes, N. J., assignor to The New Jersey Zinc Company, New York, N. Y. Treatment of zinc-bearing material. 1,799,278; Apr. 7.
Borchers, William G., Hoboken, assignor to Autographic Register Company, Hoboken, N. H. Manifolding machine. 1,803,093; Apr. 28.
Borchert, Fred L., Rockford, Ill. Article making and wrapping machine. 1,787,773; Jan. 6.
Borchert, Fred L., Rockford, Ill. Filling machine. 1,791,611; Feb. 10.
Borchert, Fred L., Rockford, Ill. Capping machine. 1,816,001; July 28.
Bordeau, Sanford P. (See Early, R. N., and Bordeau.)
Bordeaux, Ephriam P., assignor to Perfection Steel Body Co., Galion, Ohio. Dumping unit for motor trucks. 1,787,892; Jan. 6.
Bordeaux, Ephriam P., assignor to Perfection Steel Body Company, Galion, Ohio. Dumping truck. 1,811,382; June 23.
Borden, Arthur G., Washington, D. C. Advertising device. 1,822,608; Sept. 8.
Borden, Arthur G., assignor to The Borden Method, Inc., Washington, D. C. Winding device for hair wavers. 1,814,116; July 14.
Borden, Arthur G., assignor to The Borden Method, Inc., Washington, D. C. Hair waving apparatus. 1,823,023; Sept. 15.
Borden, Arthur H., North Dartmouth, Mass. Container. 1,804,085; May 5.
Borden, Bradford T., Lakewood, Cleveland, assignor, by mesne assignments, to The Borden Company, Warren, Ohio. Workholder. 1,797,541; Mar. 24.
Borden, Charles R. C., Brookline, Mass. Sound absorbing ventilating and the like. 1,811,347; June 23.
Borden, Charles R. C., Brookline, Mass. Dust arresting ventilator. 1,822,471; Sept. 8.
Borden Company, The. (See Borden, Bradford T., assignor.)
Borden Company, The. (See Green, Lee B., assignor.)
Borden Company, The. (See Howe, Alfred F., assignor.)
Borden Company, The. (See McClatchie, John M., assignor.)
Borden Company, The. (See Nonneman, Ira W., assignor.)
Borden Company, The. (See Pealer, Robert B., assignor.)
Borden Company, The. (See Sprague, Alson J., assignor.)
Borden Company, The. (See Supplee, George C., assignor.)
Borden Company, The. (See Taylor, Burt E., assignor.)
Borden Company, The. (See Young, J. H., and Frink, assignors.)
Borden, Gail, 2d, and E. Carlton, New York, N. Y. Control apparatus. 1,827,185; Oct. 13.
Borden Method, The. (See Borden, Arthur G., assignor.)
Borden Method, Inc., The. (See Borden, Arthur G., assignor.)
Borden, Perry A., assignor to The Bristol Company, Waterbury, Conn. Regulating apparatus. 1,825,849; Oct. 6.
Borden, Stephen W. (See Roe, Ralph C., assignor.) Electrical connecting device for electrical conductors. 1,805,754; May 19.
Borden, Stephen W., Summit, N. J. Meter for measuring ground resistance. 1,820,214; Aug. 25.
Borden, Stephen W., Summit, N. J., assignor, by mesne assignments, to Crouse-Hinds Company, Syracuse, N. Y.
Bordo, Samuel I., Cleveland, Ohio. Air feed mechanism for hot air furnaces. 1,828,221; Oct. 20.
Borer, William J., Genoa, Nebr. Lawn mowing machine. 1,806,584; May 26.
Borg & Beck Company, The. (See Ahlene, C. M., and Reed, assignors.)
Borg & Beck Company, The. (See Gamble, David E., assignor.)
Borg & Beck Company, The. (See Reed, Harold V., assignor.)
Borg, Henry L., Stamford, Conn., assignor to Postum Company, Incorporated, Battle Creek, Mich. Recovering fatty products. 1,808,831; June 9.
Borgadt, John B., East Cleveland, Ohio. Electric transformer. 1,832,835; Nov. 17.
Borges, Victor E., New York, N. Y. Garment hanger. 1,830,979; Nov. 10.
Borgeson, Charles J. B., Syracuse, N. Y. Apparatus for cleaning waste pipes of sinks, etc. 1,821,789; Sept. 1.
Borgeson, Gustav, assignor of one-half to A. L. Ridgely, Syracuse, N. Y. Heater grate. 1,794,056; Feb. 24.
Borgeson, Peter O., Miami, Fla. Window opener. 1,828,021; Oct. 20.
Borgeson, Sidney E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Winding machine. 1,827,186; Oct. 13.
Borgmann, Charles, Great Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone switchboard. 1,828,455; Oct. 20.
Borgo, Carlo, and E. R. Manuel, Turin, Italy. Piston for internal combustion engines. 1,827,556; Oct. 13.
Borgo, Michael P., Long Beach, and L. S. Sorenson, Lynwood, Calif. Well device. 1,816,207; July 28.
Borgwardt, Erich. (See Schoeller, W., Jordan, Schwenk, and Borgwardt.)
Borislavsky, Michael A., and P. Sundock, Brooklyn, N. Y. Liquid-vending machine. 1,789,064; Jan. 13.
Borkenstein, Frank J., Fort Wayne, Ind. Sound-cushioning means. 1,791,232; Feb. 3.
Borland, Deloss, assignor of three-fourths to M. Isenberg, Charleston, Miss. Seed harvester. 1,809,544; June 9.
Borland, J. H. T., Kilmarnock, Scotland. Emergency sluice gate. 1,797,042; Mar. 17.
Borlettl, Senator, Milan, Italy. Controlling means for plunger pumps. 1,794,575; Mar. 3.
Bormann, Carl B., Westwood, N. J. Burglar-proof arrangement for the protection of bank clerks. 1,816,283; Aug. 4.
Bormann, Henry R., and A. Steinhart, assignors to A. O. Smith Corporation, Milwaukee, Wis. Weldrod chuck for electric arc welding. 1,810,900; June 23.
Bormann, Henry R., and A. Steinhart, assignors to A. O. Smith Corporation, Milwaukee, Wis. Weldrod holder for electric arc weldings. 1,810,901; June 23.

Born, Ernst O., Rabenstein, near Chemnitz, Germany. Lock for producing purl work on flat knitting machines. 1,828,240; Oct. 20.
Born, Joseph, San Francisco, Calif., assignor of one-half to J. Josephson, Garlach, Nev. Hairbrush. 1,837,250; Dec. 22.
Born, Philipp, Bad Homburg, Germany, assignor, by mesne assignments, to Naamlooze Vennootschap Nederlandsche Gruyère-Blokmelk Fabriek, Zwolle, Holland. Production of milk and cream chocolate. 1,836,303; Dec. 15.
Bornand, Emilien, and H. A. Schlaepfer, Geneva, Switzerland. Electric metal welding. 1,809,468; June 9.
Bornand, Emilien, and H. A. Schlaepfer, Geneva, Switzerland. Furnace for treatment of metal. 1,833,065; Nov. 24.
Börnegg, Carl B. v., Frankfort-on-the-Main, Germany, assignor by mesne assignments, to California Fruit Growers Exchange, Los Angeles, Calif. Drying fruit juices. 1,800,501; Apr. 14.
Bornes, Oscar. (See Rolstad, Martin O., assignor.)
Bornkessel, Bruno. (See Breitling, E., Brauer, Lehmann, and Bornkessel.)
Bornmann, Carl, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Picture projector. 1,803,313; May 5.
Bornmann, Carl, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Film package. 1,828,955; Oct. 27.
Bornschein, Rodolpho, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Long-distance signaling device working with current-impulse combination. 1,797,711; Mar. 24.
Bornstein, Albert, Westwood, N. J. Lamp. Des. 84,921; Aug. 25.
Bornstein, Joseph, Dorchester, assignor to Sombco, Inc., Boston, Mass. Windshield wiper. 1,793,354; Feb. 17.
Bornstein, Joseph, Dorchester, assignor to Sombco, Inc., Boston, Mass. Windshield wiper. 1,801,715; Apr. 21.
Bornstein, Joseph, Boston, assignor to L. Bornstein, Quincy, Mass. Wiper mechanism for windshields and the like. 1,832,082; Nov. 17.
Bornstein, Joseph, Boston, assignor to L. Bornstein, Quincy, Mass. Wiper mechanism for windshields and the like. 1,832,083; Nov. 17.
Bornstein, Joseph, Boston, assignor to L. Bornstein, Quincy, Mass. Wiper mechanism for windshields and the like. 1,832,084; Nov. 17.
Bornstein, Joseph, Dorchester, assignor to L. Bornstein, Quincy, Mass. Wiper mechanism for windshields and the like. 1,832,085; Nov. 17.
Bornstein, Louis. (See Bornstein, Joseph, assignor.)
Borodin, Pawel Y., Moscow, Union of Socialist Soviet Republics. Thrashing machine. 1,790,459; Jan. 27.
Borodin, Pawel Y., Moscow, Union of Soviet Socialist Republics. Binder. 1,827,506; Oct. 13.
Borovicka, John, Hubbard Woods, Ill. Label retaining device. 1,817,229; Aug. 4.
Borovitz, Joseph, assignor to Joseph Borovitz, Inc., New York, N. Y. Combination receptacle for smokers' articles or similar devices. Des. 83,660; Mar. 17.
Borovitz, Joseph, assignor to Joseph Borovitz, Inc., New York, N. Y. Combined receptacle for smokers' article or similar devices. Des. 84,071; May 5.
Borovitz, Joseph, Inc. (See Borovitz, Joseph, assignor.)
Borregard, Ernst, Great Neck, assignor to Leo H. Fuller, Inc., Long Island City, N. Y. Screen printing machine. 1,832,828; Nov. 17.
Borrelli, Alfonso. (See Merlino, Domenico F., assignor.)
Borresen, Helge A., Chicago, Ill., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Adjustable latch lock fastener. 1,805,356; May 12.
Borrmann, Arthur, assignor to S. Koch, Hamburg, Germany. Chemically impregnating jute sacks, tent cloth, and the like. 1,819,070; Aug. 18.
Borromeo, Ruperts G., Samar, Philippine Islands. Sound producing device. 1,809,669; June 9.
Borroughs Adding Machine Company. (See Muller, Robert L., assignor.)
Borrowman, George, Evanston, Ill. Water-purifying material and preparing and using the same. 1,793,670; Feb. 24.
Borst, Charles H., Cuyahoga Falls, Ohio. Hot water bottle. 1,814,429; July 14.
Borst, Warren R., West New Brighton, N. Y. Sewage treatment. 1,805,682; May 19.
Bortel, Howard C., assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Window regulator. 1,810,390; June 16.
Borten, Louis, Philadelphia, Pa. Valve construction. 1,808,203; June 2.
Bortkewicz, Louie, Racoon, Pa. Bit-forging machine. 1,818,601; Aug. 11.
Bortolus, Frank, Eveleth, Minn. Positioning bracket for snatch blocks. 1,826,199; Oct. 6.
Borton, George W. (See Battey, W. A., Stine, and Borton.)
Borton, George W., New Lisbon, N. J., assignor to Pennsylvania Crusher Company, New York, N. Y. Crushing machinery. 1,789,539; Jan. 20.
Borton, George W., New Lisbon, N. J., assignor to Pennsylvania Crusher Company, New York, N. Y. Hammer crusher. 1,802,105; Apr. 21.
Boruss, Stephen, Budapest, Hungary. Tube-container. 1,817,732; Aug. 4.
Borzage, William, Los Angeles, Calif. Combined musical instrument. 1,830,086; Nov. 3.
Borzellino, Joseph, Atlantic City, N. J. Game board. Des. 83,425; Feb. 24.
Borzykowski, Benne, Paris, France, assignor to Swiss Borwisk Company, Wilmington, Del. Artificial silk and producing the same. 1,796,744; Mar. 17.
Bos, Georges H., assignor of one-half to W. Long, San Francisco, Calif. Cover for automobile door handles. 1,830,383; Nov. 3.
Bosanac, Frank, Schumacher, Ontario, Canada. Shaving kit. 1,807,724; June 2.
Bosch, Fritz, Pforzheim, Germany. Timepiece serving as a watch or traveling clock. 1,804,048; May 5.
Bosch, Joseph L., Devils Lake, N. Dak. Mud scraper. 1,837,946; Dec. 22.
Bosch, Robert. (See Dorn, Walter, assignor.)
Bosch, Robert. (See Ellwanger, Adolf, assignor.)
Bosch, Robert. (See Rall, M., and Durst, assignors.)
Bosch, Robert, Aktiengesellschaft. (See Baur, Ottmar, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Conzelmann, H., and Maier, assignors.)
Bosch, Robert Aktiengesellschaft. (See Dorn, Walter, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Dorn, W., and Handke, assignors.)
Bosch, Robert, Aktiengesellschaft. (See Kazenmaier, August, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Kazenmaier, A., and Strauss, assignors.)
Bosch, Robert, Aktiengesellschaft. (See Mattes, Alfred, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Menzel, Friedrich, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Rall, Max, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Sachs, Edgar, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Schäfer, Max, assignor.)
Bosch, Robert, Aktiengesellschaft. (See Walther, Wilhelm, assignor.)
Bosché, André, assignor to Societe Appareils Lumineux Annonciateurs et Signalisateurs, Paris, France. Luminous advertising device. 1,837,894; Dec. 22.
Boscheron, Louis, Liege, assignor to Societe Anonyme La Nouvelle Montagne, Engis, Belgium. Blende sintering process. 1,828,241; Oct. 20.
Boschetti, Vencenzo, Union City, N. J. Heater. 1,827,639; Oct. 13.
Boschin, Walter, assignor to Illinois Pacific Coast Company, San Francisco, Calif. Bottle. Des. 83,596; Mar. 10.
Boscik, Charles, Jefferson County, Colo. Vehicle lift. 1,795,072; Mar. 3.
Bosco, George B., Chicago, Ill. Form clamp. 1,835,005; Dec. 8.
Bosecker, Walter F., Mount Carmel, Ill. Collapsible-tube closure. 1,800,774; Apr. 14.
Bosek, Michael J., and W. F. Pendill, St. Louis, Mo. Treeing machine. 1,832,925; Nov. 24.
Bosenberg, Henry F., assignor to L. C. Schubert, New Brunswick, N. J. Climbing or trailing rose. Plant Pat. 1; Aug. 18.
Boshnack, Samuel, Brooklyn, N. Y. Trousers. 1,832,687; Nov. 17.
Bosle, Jacob P. (See Baines, J. E., and Bosle.)
Bosley, D. W., Company, The. (See Bosley, Maurice E., assignor.)
Bosley, Maurice E., assignor to The D. W. Bosley Company, Chicago, Ill. Machine for and method of forming weather stripping. 1,832,524; Nov. 17.
Bosman, Russell. Kankakee, Ill. Flesh-scraping implement. 1,794,275; Feb. 24.
Bosque, José V., Habana, Cuba. Garment hanger. 1,811,297; June 23.
Boss, John H., assignor of one-half to J. Stabele, Baltimore, Md. Window shade bracket. 1,820,646; Aug. 25.
Boss Manufacturing Company, The. (See Stokes, Hiram C., assignor.)
Bossard, Gisbert L., assignor to General Kontrolar Company, Inc., Dayton Ohio. Chime cover or similar article. Des. 85,155; Sept. 22.
Bossard, Gisbert L., assignor to General Kontrolar Company, Inc., Dayton, Ohio. Flasher. 1,803,590; May 5.
Bossard, Gisbert L., Dayton, assignor to General Kontrolar Company, Inc., Dayton, Ohio. Circuit interrupter. 1,830,526; Nov. 3.
Bossard, Gisbert L., assignor to General Kontrolar Company, Inc., Dayton, Ohio. Chime. 1,831,552; Nov. 10.
Bossard, Theodore, Salt Lake City, Utah, assignor to Research Engineering Laboratories, Inc. Fueling system. 1,828,730; Oct. 27.
Bossard, Theodore, Salt Lake City, Utah, assignor to Research Engineering Laboratories, Inc. Fueling system. 1,835,265; Dec. 8.
Bossart, Elsie, New York, N. Y. Hair fastener. 1,811,842; June 30.
Bossart, Paul N. (See Grondahl, L. O., and Bossart.)
Bossart, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,794,360; Mar. 3.
Bossart, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus responsive to the passage of railway vehicles. 1,806,039; May 19.

Bossert Corporation, The. (See Clement, Walter J., assignor.)
Bossert Corporation, The. (See Jensen, Otto H., assignor.)
Bossert Corporation, The. (See Xardell, Charles A., assignor.)
Bossert, Theodore J. (See Chackes, W., and Bossert.)
Bossert, Theodore W., New Kensington, and J. A. Nock, jr., Tarentum, assignors to Aluminum Company of America, Pittsburgh, Pa. Aluminum-base alloy. 1,797,851; Mar. 24.
Bossert, Walter F. (See Smith, Harry M., assignor.)
Bosshard, Arnold, Arbon, Switzerland. Calendering mechanism and process. 1,797,398; Mar. 24.
Bosshard, Rudolph, Los Angeles, Calif. Adjustable pocket visor or eyeshade. 1,791,051; Feb. 3.
Bossi, John B., Allston, and P. A. Mazzuchelli, Newton, assignors to Cambridge Cement Stone Company, Brighton, Mass. Artificial stone and producing the same. 1,809,329; June 9.
Bossini, Raoul F. (See Maiuri, G., and Bossini.)
Bossler, Edwin S., Johnstown, Pa. Switch-operating mechanism. 1,787,663; Jan. 6.
Bossone, Raimondo, Nichelino, Turin, Italy. Percussion bomb for rifles or bomb-firing appliances. 1,788,856; Jan. 13.
Bost, Henry A., Euclid Village, and E. C. Hummel, Shaker Heights, assignors to The Otis Steel Company, Cleveland, Ohio. Purifying steel. 1,814,584; July 14.
Bost, William D., assignor to Orange-Crush Company, Chicago, Ill. Wrapper remover. 1,788,230; Jan. 6.
Bost, William D., assignor to Orange-Crush Company, Chicago, Ill. Shredding device. 1,838,210; Dec. 29.
Bostock, Charles F., Little Silver, N. J., assignor to International Silver Company, Meriden, Conn. Holder for mirrors. 1,821,137; Sept. 1.
Bostock, Edgar H., Nutley, N. J. Mine car. 1,825,850; Oct. 6.
Boston, William C., Ridley Park, Pa. Posing apparatus for photographic studios. 1,794,142; Feb. 24.
Boston Blacking Company. (See Ellis, Elmer A., assignor.)
Boston Book Binding Company. (See Barnard, Edmund J., assignor.)
Boston Brick Company. (See Parry, Robert A., assignor.)
Boston Machine Works Company. (See McGrail, Michael J., assignor.)
Boston Rubber Mat Company. (See O'Toole, Martin H., assignor.)
Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)
Boston Woven Hose & Rubber Company. (See Davis, Carroll C., assignor.)
Boström, Carl G., Stockholm, Sweden. Protective glass with color wedge for spectacles together with methods for manufacturing same. 1,805,969; May 19.
Bostrom, David E., Minneapolis, Minn. Paintbrush holder. 1,800,855; Apr. 14.
Bostwick Steel Lath Company, The. (See Hurlbert, W. G., and Purser, assignors.)
Bostwick, William P., Short Beach, Conn. Figure toy. 1,800,775; Apr. 14.
Boswell, Robert A., Washington, D. C. Machine for extruding ophthalmic mountings. 1,814,819; July 14.
Boswell, Robert A., Washington, D. C. Extruding die for forming ophthalmic mountings. 1,814,820; July 14.
Boswell, Roscoe C., New Hartford, N. Y. Picture hanger. 1,812,254; June 30.
Boswick, Henry C., Kenmore, assignor to The Akron Standard Mold Company, Akron, Ohio. Apparatus for the manufacture of inner tubes. 1,811,453; June 23.
Bosworth, George P., assignor to Hemphill Company, Central Falls, R. I. Yarn controlling mechanism for knitting machines. 1,816,630; July 28.
Bosworth, Halliam, Douglas Manor, N. Y. Summer garment. 1,796,078; Mar. 10.
Bosworth, Harry J., assignor to Harry J. Bosworth Company, Chicago, Ill. Advertising toothbrush display stand. Des. 85,857; Dec. 29.
Bosworth, Harry J., Company. (See Bosworth, Harry J., assignor.)
Bosworth, Thomas E., Providence, R. I., assignor to Universal Optical Corporation. Spectacle frame. Des. 84,024; Apr. 28.
Bosworth, Thomas E., Providence, R. I., assignor to Universal Optical Corporation. Spectacle frame. Des. 84,678; July 21.
Bosworth, William H., Yonkers, assignor to George Haiss Manufacturing Co. Inc., New York, N. Y. Wagon loader. 1,790,789; Feb. 3.
Bosworth, William H., Yonkers, assignor to George Haiss Manufacturing Co. Inc., New York, N. Y. Conveyer bucket. 1,802,106; Apr. 21.
Bosworth, William H., Yonkers, assignor to George Haiss Manufacturing Co. Inc., New York, N. Y. Wagon loader. 1,810,069; June 16.
Botel, Charles, and Leon R. Paul, New York, N. Y. Reenforcing truss. 1,813,338; July 7.
Boten, David, Chicago, Ill. Shoe. Des. 84,510; June 30.
Boten, David, Chicago, Ill. Shoe. Des. 84,511; June 30.
Boten, David, Chicago, Ill. Shoe. Des. 84,512; June 30.
Boten, David, Chicago, Ill. Shoe. Des. 84,513; June 30.
Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Electric receptacle. 1,835,554; Dec. 8.
Bothe, Andreas, Oreland, Pa. Fiber or paper fork. 1,818,296; Aug. 11.
Boticki, Ignatz, Youngstown, Ohio. Safety door lock. 1,797,316; Mar. 24.
Botka, Joseph, jr., Trenton, N. J. Attachment for aeroplanes. 1,791,707; Feb. 10.
Botkin, Abraham, Yonkers, N. Y. Finger ring or similar article. Des. 83,717; Mar. 24.
Botsch, Roch P., assignor to United Coal and Dock Company, Milwaukee, Wis. Fuel briquette. 1,808,340; June 2.
Botsford, Albert E., Walla Walla, Wash. Straight line implement coupling. 1,837,526; Dec. 22.
Botsford, Claude W., Los Angeles, Calif., assignor to W. W. Odell, Pittsburgh, Pa. Holder for small articles. 1,828,456; Oct. 20.
Bott, Edgar S. (See Funk, A. S., and Bott.)
Bott, George R., assignor to Norma-Hoffman Bearings Corp., Stamford, Conn. Bearing assembly unit and mounting therefor. 1,803,591; May 5.
Bott, Joseph, assignor to Bastian Brothers Company, Rochester, N. Y. Toy airplane. 1,794,576; Mar. 3.
Bott, Joseph, assignor to Bastian Brothers Company, Rochester, N. Y. Receptacle. 1,798,398; Mar. 31.
Bott, Wister P., Homer, La. Aeroplane. 1,806,870; May 26.
Bott, Wister P., Homer, La. Score board. 1,820,431; Aug. 25.
Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Strip support for autographic register. 1,795,469; Mar. 10.
Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Manifolding device with record book. 1,795,470; Mar. 10.
Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifolding book. 1,800,207; Apr. 14.
Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada Manifolding book. 1,804,145; May 5.
Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Carbon controller for typewriting machines. 1,807,301; May 26.
Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Portable autographic register. 1,817,960; Aug. 11.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet or similar article. Des. 83,388; Feb. 17.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet or similar article. Des. 83,492; Mar. 3.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet or similar article. Des. 83,493; Mar. 3.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet or similar article. Des. 83,494; Mar. 3.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Plate or similar article. Des. 83,788; Mar. 31.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Plate or similar article. Des. 83,893; Apr. 14.
Bottome, Turner D., Indianapolis, Ind. Electrical silver-coin-detecting method. 1,795,286; Mar. 10.
Bottome, Turner D., Indianapolis, Ind. Electrical method for the detection and separation of coins from substitutes. 1,795,287; Mar. 10.
Bottoms, Paschal L., Amarillo, Tex. Scaffold. 1,816,514; July 28.
Bottoms, Robert R., assignor to The Helium Company, Louisville, Ky. Extraction of helium from other gases containing the same. 1,821,540; Sept. 1.
Bottoms, Robert R., assignor to The Girdler Corporation, Louisville, Ky. Separating acidic gases. 1,834,016; Dec. 1.
Bottrill, David H., Montreal, Quebec, Canada. Soldering device. 1,838,357; Dec. 29.
Botts, John M., Jenkintown, Pa. Full-fashioned hosiery. 1,833,705; Nov. 24.
Botts, Laurance H., De Land, Fla. Shears. 1,814,821; July 14.
Bouchard, Louis O., Philadelphia, Pa., assignor of two-thirds to C. Gwynne Douglas, Inc., and one-third to Paper Novelty Corporation. Decorative wreath. 1,815,610; July 21.
Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. Des. 85,461; Nov. 3.
Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. Des. 85,462; Nov. 3.
Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Nose bridge for an ophthalmic mounting. Des. 85,729; Dec. 15.
Bouché, William F. (See Blake, E. J., and Bouché.)

Boucher, Alexander R., Libertyville, Ill. Carrying case equipped with lock-controlled attaching means. 1,796,502; Mar. 17.
Boucher, Frank, Detroit, Mich. Garage door opener. 1,822,951. Sept. 15.
Bouchspies, William F. C., San Francisco, Calif. Three dimensional projection. 1,813,559; July 7.
Bouda, Bohumil, assignor to The Collis Company, Clinton, Iowa. Bread rack. 1,817,961; Aug. 11.
Boudette, Cornelius G., Claremont, N. H., assignor to Sullivan Machinery Company. Power transmission and adjusting mechanism. 1,819,697; Aug. 18.
Boudin, Louis, St. Gobain, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Glass forming roll. 1,813,142; July 7.
Bouer, Bernard L. (See Kaplan, H. E., and Bouer.)
Boughton, Edward B., W. Emmott, D. T. Brock, and A. C. Burdon, London, England. Hydraulic brake for aeroplanes. 1,821,419; Sept. 1.
Boughton, Solon J., Shaker Heights, Ohio. Change speed gearing. 1,815,032; July 21.
Boughton, Solon J., Shaker Heights, Ohio. Change speed transmission. 1,815,033; July 21.
Boughton, Solon J., Shaker Heights, Ohio. Transmission. 1,815,034; July 21.
Boughton, Solon J., assignor to The Willys-Overland Company, Toledo, Ohio. Brake control apparatus. 1,815,896; July 28.
Boughton, Willis A., Cambridge, assignor, by mesne assignments, to Beckwith Manufacturing Company, Boston, Mass. Resilient flexible sheet and making the same. 1,833,151; Nov. 24.
Boughton, Willis A., Cambridge, assignor to Bennett Box Co., Boston, Mass. Stiffening. 1,799,949; Apr. 7.
Bougues, Julien, Strasbourg, Alsace, France. Cane for controlling railway tracks. 1,788,080; Jan. 6.
Bouillon, Constant, assignor to The Hendey Machine Company, Torrington, Conn. Follow rest. 1,815,490; July 21.
Boulade, Antonin, assignor to Societe du Carburateur Zenith, Lyon, France. Carburetor. 1,791,949; Feb. 10.
Boulade, Antonin, Lyon, assignor to Societe du Carburateur Zenith, Lyon, France. Filter. 1,797,399; Mar. 24.
Boulade, Antonin, assignor to Société du Carburateur Zenith, Lyon, France. Altimetric automatic controlling device for carburetors for aeroplane motors. 1,806,280; May 19.
Boulanger, Charles, assignor to Société Continentale Parker, Clichy, France. Process and product for protecting aluminum, magnesium and their alloys against corrosions. 1,811,298; June 23.
Boulet, Georges, Sevres, France. Valve gear for internal-combustion engines. 1,787,717; Jan. 6.
Boulogne, Baltus, Pasoeroean, Java, Dutch East Indies. Device for interconnecting the evaporation elements of evaporation plants. 1,825,937; Oct. 6.
Boulter, George M., et al. (See Newsom, Lewis W., assignor.)
Boulton, George, Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Seam pressing machine. 1,833,930; Dec. 1.
Boulton & Paul Limited. (See North, John D., assignor.)
Boulton & Paul Limited. (See Townend, Hubert C. H., assignor.)
Boulton, William C., Spokane, Wash. Check detector. 1,830,779; Nov. 10.
Bouma, Wikke, Hollywood, assignor of one-third to T. L. Talley, Los Angeles, and one-third to T. M. de le Garde, Hollywood, Calif. Apparatus and method for localization of sound on screens. 1,793,772; Feb. 24.
Bouma, Wikke, assignor of one-fourth to J. Van Nuland, Los Angeles, Calif. Umbrella. 1,824,192; Sept. 22.
Bound Brook Oil-less Bearing Company. (See Claus, Carl, assignor.)
Bounds, Orville T. (See Wilkins, Harry T., assignor.)
Bounds, Orville T., Centralia, assignor of one-fourth to G. H. Somerville, Chicago, and one-half to M. R. Howard, Centralia, Ill. Automobile seat. 1,821,417; Sept. 1.
Boundy, Ray H. (See Grebe, J. J., and Boundy.)
Bouquet, Marcel, Issoudun, France. Grading and sorting-grading apparatus. 1,820,773; Aug. 25.
Bouquin, Edgar, Framingham, Mass., assignor to Warren Telechron Company. Clock case. Des. 83,789; Mar. 31.
Bour, John W. (See Eckles, Noble, assignor.)
Bour, John W., Los Angeles, Calif. Clear vision device. 1,803,787; May 5.
Bourassa, Donat, Waterville, Me. Sanitary milk bottle cap. 1,830,527; Nov. 3.
Bourbeau, Olivier, Paris, France. Safety device for automatic adjusting devices for brake mechanism. 1,800,129; Apr. 7.
Bourbeau, Olivier, Paris, France. Automatic brake adjusting mechanism. 1,804,309; May 5.
Bourdes, Andreas A. (See Deligianes, T. N., and Bourdes.)
Bourke, Russell L., Petaluma, Calif. Poultry-house ventilator. 1,800,278; Apr. 14.
Bourland, Joseph M., Richmond, Calif. Airship. 1,838,248; Dec. 29.
Bourn, Stephen W., Bristol, R. I., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe surface coating. 2,828,855; Oct. 27.
Bourne, Roland B., assignor, by mesne assignments, to The Maxim Silencer Company, Hartford, Conn. Silencer. 1,816,109; July 28.
Bourne, Roland B., assignor, by mesne assignments, to The Maxim Silencer Company, Hartford, Conn. Silencer. 1,818,375; Aug. 11.
Bourne, Roland B., assignor to The Maxim Silencer Company, Hartford, Conn. Silencer. 1,821,688; Sept. 1.
Bourquardez, Alfred P. (See Seailles, S., and Seailles, assignors.)
Bourquardez, Alfred P. (See Séailles, Speranza and J., assignors.)
Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Wheel-load scale. 1,797,852; Mar. 24.
Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Antirail spreader for track scales. 1,809,670; June 9.
Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Full capacity type recording beam. 1,829,782; Nov. 3.
Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Weigh-can scale. 1,838,985; Dec. 29.
Boush, John A., assignor to Blackford Window Glass Company, Vincennes, Ind. Floating bulb edge glass trimmer. 1,807,619; June 2.
Bouslog, John G. (See Yerkes, J. A., and Bouslog.)
Bouslough, Joseph A. (See Slocum, B. H., Bouslough, and Burnham.)
Bousman Mfg. Co. (See Hills, John H., assignor.)
Boutelle, William H., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,800,279; Apr. 14.
Boutet, René E., Paris, France. Electrical calculating machine. 1,827,836; Oct. 20.
Bouthors, Pierre, Amiens, France. Signaling installation for the protection of roads at level crossings. 1,798,302; Mar. 31.
Boutillon, Henri, Suresnes, France. Metering device chiefly applicable to apparatus for the delivery of liquids. 1,788,186; Jan. 6.
Boutin, John Z., Troy, N. Y. Brake for sleds. 1,806,444; May 19.
Bouton, Edgar M., East Pittsburgh, and F. E. Lewis, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Elevator control system. 1,829,470; Oct. 27.
Bouton, Eldrid L., Philadelphia, Pa. Envelope filling machine. 1,803,049; Apr. 28.
Bouton, Eldrid L., Philadelphia, Pa. Envelope opening machine. 1,803,050; Apr. 28.
Bouton, Eldrid L., Philadelphia, Pa. Envelope filling machine. 1,803,051; Apr. 28.
Bouton, Eldrid L., assignor to C. F. Bochmann, Philadelphia, Pa. Magazine for stacked articles. 1,803,052; Apr. 28.
Bouton, Lewis L., Leonia, N. J., assignor to American Telephone and Telegraph Company. Electrical potentiometer. 1,824,801; Sept. 29.
Boutry, Charles G., Meudon, France. Pipe joint. 1,804,856; May 12.
Bouwers, Albert, assignor to N. V. Philips Gloeilampenfabrieken Eindhoven, Netherlands. Electric discharge tube. 1,824,755; Sept. 22.
Bovee, Hiram N., assignor of one-fourth to P. Olson, and one-half to J. B. Rooney, International Falls, Minn. Garage door operating mechanism. 1,826,984; Oct. 13.
Bovey, Sidney J. V. (See Roberts, T. M., and Bovey.)
Bovey, Sidney J. V., Chicago, Ill., assignor, by mesne assignments, to Metalcraft Heater Corporation, Grand Rapids, Mich. Valve construction and making the same. 1,813,273; July 7.
Bovey, Thomas. (See Roberts, T. M. and Bovey.)
Bovie, William T., Evanston, Ill., assignor to The Liebel-Flarsheim Company, Cincinnati, Ohio. Electrosurgical apparatus. 1,813,902; July 14.
Böving, Henrik, assignor to Western Electric Company, Incorporated, New York, N. Y. Insulated wire. 1,834,376; Dec. 1.
Bovingdon, George E., Hampstead, England. Sliding seat for motor cars and the like. 1,824,193; Sept. 22.
Bow, Edmund, and L. W. Jenks, Berkeley, Calif. Carburetor. 1,819,698; Aug. 18.
Bowden, Ernest J., West Chester, Pa. Rail connecting means. 1,819,810; Aug. 18.
Bowden, James J., Warren, Ohio. Heat-treating metal. 1,824,865; Sept. 29.
Bowden, Junius A., Los Angeles, Calif. Air-clarifying means. 1,793,583; Feb. 24.
Bowden, William H., assignor to The Maytag Company, Newton, Iowa. Wringer safety feeder. 1,799,406; Apr. 7.
Bowen, Anna C., et al. (See Bowen, Anna C., assignor.)
Bowen, Anna C., assignor of two-thirds to B. M. Dunbar and one-third to A. C. Bowen, New York, N. Y. Bottle cap. 1,831,991; Nov. 17.
Bowen, David R., assignor, by mesne assignments, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Pressure regulating device for roller mills. 1,820,689; Aug. 25.

Bowen, David R., Ansonia, and C. F. Schnuck, New Haven, assignors, by mesne assignments, to Farrell-Birmingham Company, Incorporated, Ansonia, Conn. Machine for mixing or masticating rubber and like material. 1,787,507; Jan. 6.
Bowen, Earl M. (See Oberhoffken, A., and Bowen.)
Bowen, James, assignor to Bond Foundry & Machine Company, Mannheim, Pa. Antifriction bearing for line shafts and the like. 1,816,002; July 28.
Bowen, James M., Cape May Court House, N. J., assignor to S. L. Allen & Co. Inc., Philadelphia, Pa. Sled. 1,820,044; Aug. 25.
Bowen, Kenneth H., assignor to Henry and Allen, Auburn, N. Y. Heater for water cooled engines. 1,825,627; Sept. 29.
Bowen, Leonard. (See Barry, T. F., and Bowen.)
Bowen, Mortimer W., Jackson Heights, assignor to Vacuum Oil Company, New York, N. Y. Advertising lantern. Des. 84,324; June 9.
Bowen, Roy, Hoopeston, Ill. Golf score board. 1,811,778; June 23.
Bowen, Russell H. (See Munoz, G. C., and Bowen.)
Bowen, Russell H., assignor to The American Pulley Company, Philadelphia, Pa. Rack for hand trucks and the like. 1,795,826; Mar. 10.
Bowen, Russell H., assignor to The American Pulley Company, Philadelphia, Pa. Die. 1,823,557; Sept. 15.
Bowen, Russell H., assignor to The American Pulley Company, Philadelphia, Pa. Truck. 1,829,724; Nov. 3.
Bowen, William F., assignor to Evans Case Company, North Attleboro, Mass. Smoker's appliance. Des. 85,156; Sept. 22.
Bower, Ferdinand A., Flint, assignor to General Motors Corporation, Detroit, Mich. Oil filter installation. 1,806,537; May 19.
Bower, Frank A. (See de Jahn, Fredrik W., assignor.)
Bower, George D., Columbia Heights, assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor protection device. 1,809,827; June 16.
Bower, George W., Wesleyville, Pa., assignor, by mesne assignments, to The Ohio Brass Company. Catenary trolley system. 1,802,046; Apr. 21.
Bower, George W., Wesleyville, Pa., assignor to General Electric Company. Electrical insulator. 1,832,804; Nov. 17.
Bower, James A., assignor to National Tile Company, Anderson, Ind. Tile handling machine. 1,821,001; Sept. 1.
Bower, James F., Oklahoma City, Okla. Apparatus for controlling oil and gas wells. 1,828,124; Oct. 20.
Bower, Joshua. (See Dreyfus, H., Kinsella, Bower, and Taylor.)
Bower, Maxwell, Cambridge, Mass., assignor to Westinghouse Electric & Manufacturing Company. Watt-hour meter. 1,823,929; Sept. 22.
Bower, Ward E., Washington, D. C. Sound intensity measuring system. 1,806,871; May 26.
Bower, William C., Bell, Calif. Display device. 1,812,318; June 30.
Bower, William P. (See Matheson, W. A., and Bower.)
Bowerman, Fred W., Chicago, Ill. Reflector sign. 1,807,374; May 26.
Bowers, Alphonso B., deceased, late of Lynn, Mass., by George F. Hogan, executor, Lynn, Mass. Dredge. 1,792,065; Feb. 10.
Bowers, Charles R., assignor to C. T. Stedman, South Bend, Ind., as trustee. Control device for aeroplanes. 1,820,906; Sept. 1.
Bowers, Charley, New York, N. Y. Electric light control. 1,838,654; Dec. 29.
Bowers, Claude E., Los Angeles, Calif. Separable joint. 1,791,750; Feb. 10.
Bowers, Claude E., Los Angeles, Calif. Metal recovering apparatus. 1,831,091; Nov. 10.
Bowers, Dana W., Lansdale, assignor of forty-nine one-hundredths to C. T. Asbury, Philadelphia, Pa. Soldering flux. 1,797,124; Mar. 17.
Bowers, D. S. (See Blanchard, Eugene W., assignor.)
Bowers, Edward C., et al., receivers. (See Lucas, George M. C., assignor.)
Bowers, Frank. (See Snow, N. L., Bowers, and Howse.)
Bowers, Frank, assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,807,276; May 26.
Bowers, Frank, and N. L. Snow, assignors to Diamond Power Speciality Corporation, Detroit, Mich. Boiler cleaner. 1,790,403; Jan. 27.
Bowers, Frederick M., Chester, Pa. Sand blast helmet. 1,838,611; Dec. 29.
Bowers, Harry A., Hollywood, Calif. Bar mounting for xylophone or the like. 1,807,057; May 26.
Bowers, John F., Georgetown, Del. Tire inflation device. 1,801,716; Apr. 21.
Bowers, Ora F., Los Angeles, Calif., assignor to Aeronautical Devices Incorporated, Ltd. Rotifer stabilizing wing. 1,796,860; Mar. 17.
Bowers, Thomas A., Boston, Mass., assignor to Pressed Piston Ring Company. Packing ring. Re18,102; June 16.
Bowers, Thomas A., Boston, Mass., assignor to Pressed Piston Ring Company. Three-ply packing ring. 1,796,882; Mar. 17.
Bowers, Thomas A., Boston, Mass., assignor to Pressed Piston Ring Company. Single-ply packing ring with inclosed expander. 1,796,883; Mar. 17.
Bowers, Thomas A., Boston, Mass., assignor to Pressed Piston Ring Company. Single-ply duplex metal packing ring with inclosed expander. 1,798,927; Mar. 31.
Bowersock, Wilber E., assignor to Rochester Folding Box Company, Rochester, N. Y. Packing case. 1,792,626; Feb. 17.
Bowersock, Wilber E., assignor to Rochester Folding Box Company, Rochester, N. Y. Packing case. 1,792,627; Feb. 17.
Bowersock, Wilber E., assignor to Rochester Folding Box Company, Rochester, N. Y. Packing device and case. 1,798,779; Mar. 31.
Bowersock, Wilber E., assignor to Rochester Folding Box Company, Rochester, N. Y. Packing case. 1,800,713; Apr. 14.
Bowersox, Joseph W., Los Angeles, Calif., assignor to L. W. Frank, and L. A. New, Chicago, Ill. Upholstering and mattress spring. 1,837,847; Dec. 22.
Bowes, John J., Miami, Fla. Exhaust muffler. 1,794,276; Feb. 24.
Bowes, Thomas D., Cynwyd, Pa. Apparatus for finishing bearings and bushings. 1,809,545; June 9.
Bowie, Augustus J., San Francisco, Calif. Electric switch. 1,809,232; June 9.
Bowie, Augustus J., San Francisco, Calif. Electric switch. 1,818,456; Aug. 11.
Bowker Chemical Company. (See Lang, Peter A., assignor.)
Bowker, Clinton D., Phoenix, Ariz. Airship. 1,804,588; May 12.
Bowker, William. (See Smith, H. E., Bowker, and Conrow.)
Bowlen, Carlos H., assignor to I. L. Keith, Haverhill, Mass. Cementing machine. 1,814,430; July 14.
Bowler, Ernest A., South Geelong, Victoria, Australia. Automatic gun for recording on a target the result of sighting and firing. 1,833,820; Nov. 24.
Bowler, Frederick T., Highland Park, Mich. Dowel. 1,810,749; June 16.
Bowles, Edward L., Watertown, Mass. Condenser. 1,831,092; Nov. 10.
Bowles, Edward L., Watertown, Mass. Condenser. 1,831,093; Nov. 10.
Bowling, Francis A., Gettysburg, Pa. Aircraft. 1,815,758; July 21.
Bowling Green Poultry Supply Company, The. (See Pierce, Esta M., assignor.)
Bowlus, Claude A., Birmingham, assignor to Chrysler Corporation, Detroit, Mich. Welding machine. 1,792,066; Feb. 10.
Bowlus, Claude A., Birmingham, assignor to Chrysler Corporation, Detroit, Mich. Welding. 1,822,197; Sept. 8.
Bowlus, Glenn H., Alhambra, Calif. Well pumping head. 1,798,780; Mar. 31.
Bowlus, Glenn H., Alhambra, Calif. Belt clamp. 1,818,297; Aug. 11.
Bowlus, Glenn H., Alhambra, Calif. Airplane. 1,835,630; Dec. 8.
Bowly, Heyward W., Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Support for strand material. 1,818,602; Aug. 11.
Bowman, A. B. (See Anderson, Robert H., assignor.)
Bowman, Bruce L. (See Bowman, Rudolph M. and B. L.)
Bowman, Daniel C., W. A. Rhodes, and J. H. Estes, Long Beach, Calif. Building. 1,796,237; Mar. 10.
Bowman, Francis H., Swampscott, Mass., E. Lynch, Rio de Janeiro, Brazil, and D. R. Price, Lynn, Mass., assignors to General Electric Company. Synchronoscope. 1,818,787; Aug. 11.
Bowman, Frederick C., Duluth, Minn. Aerial navigation. 1,813,694; July 7.
Bowman, George W., Seymour, Tex. Hay press. 1,808,832; June 9.
Bowman, Henry V. (See Woolsey, C. A., and Bowman.)
Bowman, Herman N., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cabinet for portable testing apparatus. 1,823,678; Sept. 15.
Bowman, Hyman D., Pittsburgh, Pa. Lock washer. 1,801,999; Apr. 21.
Bowman, John L., et al. (See Endsley, Roy H., assignor.)
Bowman, John J. (See Fulton, H. R., and Bowman.)
Bowman, Kiel B., assignor to The Ohio Drilling Company, Massillon, Ohio. Cleaning wells. 1,809,546; June 9.
Bowman, Lee M., Los Angeles, Calif. Internal combustion engine. 1,835,138; Dec. 8.
Bowman-Manifold, Michael. (See Radford, A. S., and Bowman-Manifold.)
Bowman, Oliver S., Colorado Springs, Colo. Resilient hard-surfaced floor. 1,789,576; Jan. 20.
Bowman, Oliver S., Colorado Springs, Colo. Heat equipment. 1,813,228; July 7.
Bowman, Oliver S., Colorado Springs, Colo. Resilient hard surfaced floor. 1,818,298; Aug. 11.
Bowman, Oliver S., Colorado Springs, Colo. Floor construction. 1,818,299; Aug. 11.
Bowman, Pearl J., Bell, and W. F. Bowman, Ocean Park, assignors of one-third to W. B. Eberhart, Bell, Calif. Pitman connection. 1,821,174; Sept. 1.
Bowman, Roy L., Saginaw, Mich. Toy. 1,836,640; Dec. 15.

Bowman, Rudolph M. and B. L., Hollywood, Calif. Excavator. 1,804,587; May 12.
Bowman, Samuel B., Zanesville, Ohio, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Hollow glass brick. Des. 85,320; Oct. 13.
Bowman, Samuel B., Zanesville, Ohio, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Floating bridge wall. 1,835,690; Dec. 8.
Bowman, Samuel G. (See Moorhouse, A., and Bowman.)
Bowman, Truman H., St. Louis, Mo. Automobile. Des. 84,273; June 2.
Bowman, William F. (See Bowman, P. J. and W. F.)
Bown, Ralph, Maplewood, N. J., assignor to American Telephone and Telegraph Company. Radio broadcasting system. 1,806,666; May 26.
Bown, Ralph, Maplewood, N. J., assignor to American Telephone and Telegraph Company. Privacy signalling system. 1,816,953; Aug. 4.
Bown, Ralph, Maplewood, and R. K. Potter, Netcong, N. J., assignors to American Telephone and Telegraph Company. Transmission-measuring apparatus. 1,794,393; Mar. 3.
Bowne, Raymond W., assignor to Split Ballbearing Corporation, Lebanon, N. H. Locking device for antifriction bearing rings. 1,821,877; Sept. 1.
Bowser, Percy L. (See Flammang, J., and Bowser.)
Bowser, S. F., & Company. (See Blum, Hosmer L., assignor.)
Bowser, S. F., & Company. (See Bond, Raymond W., assignor.)
Bowser, S. F., & Company. (See Foley, Charles B., assignor.)
Bowser, S. F., & Company. (See Hartley, Lee R., assignor.)
Bowser, S. F., Company. (See Renfrew, Paul B., assignor.)
Bowser, S. F. & Company. (See Renfrew, P. B., and Fisher, assignors.)
Bowser, S. F. & Company. (See Rennick, Edwin W. H., assignor.)
Bowyer, Horace A., Orwell, assignor of one-half to C. M. & Company, Chicago, Ill. Gas cleaning apparatus. 1,823,082; Sept. 15.
Bowzer, Augustus M. (See Lewis, Daniel W., assignor.)
Box Blank Corporation. (See Willsea, Louis P., assignor.)
Box Form Corporation. (See Kafka, Frederick P., assignor.)
Box, William A., Denver, Colo. Automobile lift. 1,820,267; Aug. 25.
Boxill-Bruel Carbon Company. (See Burr, Myrtice C., assignor.)
Boxley, Frederick, Oakland, Calif. Adjustable speaker unit. 1,789,270; Jan. 13.
Boyajian, Aram, Pittfield, Mass., assignor to General Electric Company. Magnetic core. 1,834,898; Dec. 1.
Boyce, Carrol R., Wautoma, Wis. Apparatus for burning liquid fuel. 1,820,774; Aug. 25.
Boyce, Charles M., Cedar Rapids, Iowa, assignor, by mesne assignments, to J. R. Ditmars, New York, N. Y. Method of and apparatus for making and finishing prints. Re18,191; Sept. 15.
Boyce, Charles M., Cedar Rapids, Iowa, assignor, by mesne assignments, to J. R. Ditmars, New York, N. Y. Finishing prints. Re18,192; Sept. 15.
Boyce, Erskine E., Coronado, Calif. Knotter. 1,813,725; July 7.
Boyce, Harrison, New York, N. Y. Motor heat indicator. Des. 85,806; Dec. 22.
Boyce, Harrison H. (See Hebig, Henry C., assignor.)
Boyce, Harrison H., Jericho, Long Island, N. Y. Thermometer. 1,812,679; June 30.
Boyce, Harrison H., Jericho, Long Island, N. Y. Thermometer. 1,812,680; June 30.
Boyce, Harrison H., Jericho, L. I., N. Y. Motor heat indicator. 1,823,344; Sept. 15.
Boyce, John A., Chicago, Ill. Printing machine. 1,831,156; Nov. 10.
Boyce, Samuel F., New York, N. Y. Display stand. Des. 85,456; Oct. 27.
Boyce, William S., Chicago, Ill. Tie plate. Re17,960; Feb. 10.
Boyce, William S., Chicago, Ill. Tie plate. 1,837,183; Dec. 15.
Boyd, Bertron K., and H. Kirsch, Detroit, Mich. Fire lighter. 1,802,626; Apr. 28.
Boyd, E. T., et al. (See Morgan, David C., assignor.)
Boyd, Ford E. (See Linley, F. H., and Boyd.)
Boyd, Harold A. (See Boyd, Thomas A. and H. A.)
Boyd, James H. Cartner, Slough, England. Scissors, shears, and the like. 1,799,950; Apr. 7.
Boyd, John R., assignor to R. L. Wickline, Pittsburgh, Pa. Fire extinguisher. 1,805,033; May 12.
Boyd, Loren C., Warren, Ohio. Shears sharpening device. 1,806,234; May 19.
Boyd, Millard J., Toronto, Ohio, assignor to Follansbee Brothers Company, Pittsburgh, Pa. Furnace for the heat treatment of sheets. 1,835,266; Dec. 8.
Boyd, Newton C., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing explosives. 1,811,663; June 23.
Boyd, Randolph, Galva, Ill. Belt buckle. 1,812,233; June 30.
Boyd, Richard N., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Manufacturing ammonium nitrate. 1,811,712; June 23.
Boyd, Robert E. (See Savin, J., and Boyd.)
Boyd, Robert H. (See Faries, R., and Boyd.)
Boyd, Samuel J., Los Angeles, Calif. Rotary drive trip hammer. 1,807,025; May 26.
Boyd, Thomas A. (See Lovell, W. G., and Boyd.)
Boyd, Thomas A., and H. A., Shelleston, near Glasgow, Scotland. Oiling of flyers in spinning and like frames. 1,793,355; Feb. 17.
Boyden, Elias W. Spokane, Wash. Waving hair. Re18,088; June 2.
Boyden, John H., Glendale, Md., assignor to H. D. Hudson Manufacturing Company, Minneapolis, Minn. Fountain unit. 1,824,116; Sept. 22.
Boyden, Reagh C., Atlantic, Mass. Universal joint. 1,816,891; Aug. 4.
Boydstun, Willard R., McCall, Idaho. Snowplow. 1,830,259; Nov. 3.
Boye, Arne, Hamburg, Germany. Foam breaker. 1,792,963; Feb. 17.
Boye, Arne, Stockholm, Sweden. Manufacturing yeast. 1,818,530; Aug. 11.
Boye, Charles, Warren, assignor to The Stevens Metal Products Company, Niles, Ohio. Forming internal flanges on tubular bodies. 1,816,357; July 28.
Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Drape and curtain rod supporting bracket. 1,790,258; Jan. 27.
Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain-rod-supporting bracket. 1,793,992; Feb. 24.
Boye, James H., assignor to J. H. Boye Manufacturing Company, Chicago, Ill. Curtain fixture. 1,796,777; Mar. 17.
Boye, James H., assignor to J. H. Boye Manufacturing Company, Chicago, Ill. Curtain fixture and supporting brackets therefor. 1,804,669; May 12.
Boye, James H., assignor to J. H. Boye Manufacturing Company, Chicago, Ill. Curtain support. 1,805,233; May 12.
Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain fixture. 1,814,281; July 14.
Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain fixture. 1,814,282; July 14.
Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain fixture center support. 1,832,086; Nov. 17.
Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Fastener for curtain rod ornaments. 1,832,087; Nov. 17.
Boye, James H., Manufacturing Company. (See Boye, James H., assignor.)
Boye Needle Company, The. (See Byrnes, Edward P., assignor.)
Boye Needle Company, The. (See Davis, Edward D., assignor.)
Boyens, Paul J., et al. (See Ryan, Thomas H., assignor.)
Boyer, Edwin W., Thornton, Ind. Chick feeder. 1,815,964; July 28.
Boyer, Frederick G. L., Dayton, Ohio. Controlling device. 1,807,825; June 2.
Boyer, Frederick G. L., assignor to Dayton Scale Company, Dayton, Ohio. Totalizing device. 1,817,476; Aug. 4.
Boyer, George Wesley, assignor to Standard Brands Incorporated, New York, N. Y. Bag or analogous article. Des. 83,245; Feb. 10.
Boyer, Harry L., assignor to Joseph Stokes Rubber Company, Trenton, N. J. Storage-battery container. 1,797,518; Mar. 24.
Boyer, John A., assignor to Globar Corporation, Niagara Falls, N. Y. Electric heating appliance. 1,818,191; Aug. 11.
Boyer, Joseph, assignor of one-fourth to L. J. Brennan, L'Anse, Mich. Expanding and contracting tool. 1,814,892; July 14.
Boyer, Oliver, Spencerville, Ohio. Seed and grain scarifier and cleaner. 1,793,385; Feb. 17.
Boyer, Sylvester, Lynn, Mass., assignor to General Electric Company. Temperature-responsive device. 1,793,303; Feb. 17.
Boyer, Sylvester, Lynn, Mass., assignor to General Electric Company. Purifying nitrobenzene. 1,793,304; Feb. 17.
Boyer, Sylvester, Lynn, Mass., assignor to General Electric Company. Electric condenser. 1,803,166; Apr. 28.
Boyer, Sylvester, Lynn, Mass., assignor to General Electric Company. Electric condenser and removing impurities from the elements of or for such condensers. 1,807,375; May 26.
Boyer, Sylvester, Lynn, Mass., assignor to General Electric Company. Dielectric material. 1,816,762; July 28.
Boyer, William E. (See Schellentrager, E. W., and Boyer.)
Boyette, Noah A., Habira, Ga. Log sawing machine. 1,820,775; Aug. 25.
Boykin Burwell, jr., Beaumont, Tex., assignor, by mesne assignments, to International-Stacey Corporation, Columbus, Ohio. Crown block. 1,824,652; Sept. 22.
Boykin, Robert O., assignor to A. Mills, Los Angeles, Calif. Vacuum seal for continuous rotary vacuum filters. 1,795,634; Mar. 10.

Boyko, John, assignor of one-half to N. Stepankow, Detroit, Mich. Automatic rail switch operating device. 1,810,892; June 23.
Boykow, Johann M., Berlin-Lichterfelde, assignor to Messgerate Boykow, G. m. b. H., Berlin-Lichterfelde-West, Germany. Apparatus for the diagonal control of moving objects particularly aeroplanes. 1,801,947; Apr. 21.
Boykow, Johann M., assignor to Messgerate Boykow, G. m. b. H., Berlin-Lichterfelde-West, Germany. Automatic steering and stabilizing apparatus. 1,801,948; Apr. 21.
Boykow, Messgerate, G. m. b. H. (See Boykow, Johann M., assignor.)
Boylan, Howard S., and G. F. Bretz, Council Bluffs, Iowa. Golf ball paint kit. 1,805,801; May 19.
Boylan, Jerome C., Cleveland Heights, Ohio. Door-operating device for stoves and the like. Re17,917; Jan. 6.
Boylan, Jerome C., Cleveland Heights, assignor to The Cleveland Co-Operative Stove Company, Cleveland, Ohio. Range. Des. 85,463; Nov. 3.
Boylan, Joseph S., assignor to Continental Oil Company, Ponca City, Okla. Self-closing oil dispensing can. 1,837,198; Dec. 22.
Boyle, A. S., Company, The. (See Griffiths, Manfred E., assignor.)
Boyle, Eldridge R., Boston, Mass. Furring clip. 1,806,837; May 26.
Boyle, James E. (See Orester, J., and Gee, assignors.)
Boyle, John, Scribner, Nebr. Grain retarder. 1,811,606; June 23.
Boyle, John R., Chicago, Ill. Electrically operated valve. 1,807,191; May 26.
Boyle Manufacturing Company, The. (See Boyle, Willis J., jr., assignor.)
Boyle, Michael J., Chicago, Ill. Applying heads to stems. 1,794,942; Mar. 3.
Boyle, Michael J., Chicago, Ill. Valve and manufacturing same. 1,824,322; Sept. 22.
Boyle, Michael J., Chicago, Ill. Valve and method of manufacture. 1,824,323; Sept. 22.
Boyle, Robert S., Akron, Ohio. Multiple-tire-mold-engraving machine. 1,796,079; Mar. 10.
Boyle, William A. (See Kuhn, H. A., and Boyle.)
Boyle, William E., assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Electrical cable and manufacture thereof. 1,836,570; Dec. 15.
Boyle, Willis J., jr., assignor to The Boyle Manufacturing Company, Inc., Los Angeles, Calif. Forming and cutting machine. 1,803,542; May 5.
Boyles, Carroll H., Milwaukee, Wis. Resistance unit and producing the same. 1,788,146; Jan. 6.
Boyles, Carroll H., Milwaukee, assignor to The Burdick Corporation, Milton, Wis. Therapeutic lamp unit. 1,789,301; Jan. 20.
Boynton, Alexander, San Antonio, Tex. Automatic well-flowing device. 1,793,671; Feb. 24.
Boynton, Alexander, San Antonio, Tex. Milling tool. 1,801,482; Apr. 21.
Boynton, Alexander, San Antonio, Tex. Automatic well flowing device. 1,806,872; May 26.
Boynton, Alexander, San Antonio, Tex. Drilling wells. 1,807,082; May 26.
Boynton, Alexander, San Antonio, Tex. Packer. 1,814,117; July 14.
Boynton, Alexander, San Antonio, Tex. Stage lift flowing device. 1,819,538; Aug. 18.
Boynton, Alexander, San Antonio, Tex. Casing head. 1,825,774; Oct. 6.
Boynton, Alexander, San Antonio, Tex. Automatic stage lift flowing device. 1,832,088; Nov. 17.
Boynton, Arthur J., assignor to H. A. Brassert & Company, Chicago, Ill. Apparatus for charging blast furnaces. 1,815,897; July 28.
Boynton, Arthur J., Winnetka, assignor to H. A. Brassert Mix, Cleveland, Ohio. Antiskid device for automobiles. 1,824,463; Sept. 22.
Boynton, Arthur J., Chicago, and C. Dougan, assignors to H. A. Brassert & Co., Chicago, Ill. Apparatus for drying wet gases. 1,838,737; Dec. 29.
Boynton, John E., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for extruding matter. 1,789,457; Jan. 20.
Boynton, John E., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coupling in an apparatus for extruding matter. 1,826,725; Oct. 13.
Boynton, John E., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Forming tubes. 1,831,945; Nov. 17.
Boynton, John E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 1,831,992; Nov. 17.
Boynton, Stanley E., Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Assembling fixture. 1,815,230; July 21.
Boyrie, Harry E., San Francisco, Calif., assignor, by mesne assignments, to Blaw-Knox Company, Blawknox, Pa. Fluid separator. 1,796,434; Mar. 17.
Boyton, Eugene L., Pasadena, Calif. Rotary action bit. 1,810,391; June 16.
Boyton, John C., assignor to The Adalet Manufacturing Company, Cleveland, Ohio. Service entrance. 1,819,985; Aug. 18.
Bozewich, John, San Francisco, Calif. Coupling. 1,802,497; Apr. 28.
Braasch, August D., L. McDo. and J. Twells, Stockton, assignors, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Pick up guard. 1,815,491; July 21.
Braatelien, Edwin H., Phoenix, Ariz. Spray device. 1,812,234; June 30.
Brabbée, Charles W., Bronxville, assignor to American Radiator Company, New York, N. Y. Radiator section. Des. 85,807; Dec. 22.
Brabbée, Charles W., Bronxville, assignor to American Radiator Company, New York, N. Y. Apparatus for treatment of air. 1,795,161; Mar. 3.
Brace, Frederick S. (See Sponable, E. I., and Brace.)
Brace, Porter H., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Induction-furnace coil. 1,795,827; Mar. 10.
Brace, Porter H., Forest Hills Borough, Pa., assignor to Westinghouse Electric & Manufacturing Company. Induction furnace. 1,802,701; Apr. 28.
Brace, Porter H., Forest Hills, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Induction furnace. 1,823,873; Sept. 22.
Brace, Porter H., Forest Hills, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Induction furnace. 1,823,874; Sept. 22.
Brace, Porter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Induction furnace. 1,795,926; Mar. 10.
Brace, Porter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical protective device. 1,819,969; Aug. 18.
Brace, Porter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Inductor coil. 1,834,445; Dec. 1.
Bracey, William E., and L. W. Bramblett, Dallas, Tex. Combination tube and brush holder. 1,807,083; May 26.
Brach, Leon S., East Orange, N. J. Cigarette snuffer and receiver. 1,806,781; May 26.
Brach, Leon S., East Orange, N. J. Article for receiving cigar or cigarette stubs. 1,806,782; May 26.
Brach, Leon S., East Orange, N. J. Switch for indicating devices. 1,834,934; Dec. 8.
Brach, Leon S., East Orange, N. J., assignor to The Railroad Supply Company, Chicago, Ill. Signal lamp. 1,796,917; Mar. 17.
Brach, L. S., Manufacturing Corp. (See Liner, Joseph I., assignor.)
Brache, Alfred. (See Florig, E., and Brache.)
Brachtl, Henry, assignor, by mesne assignments, to Appleton Electric Company, Chicago, Ill. Adjustable service entrance fitting. 1,822,879; Sept. 15.
Brack, Allan L., Rochester, N. Y. Adjustable packing case. 1,808,833; June 9.
Brack, Conrad M., Great Bend, Kans., assignor of fifteen per cent to G. P. Kimmel, Washington, D. C. Rotary spiral plow. Re18,039; Apr. 14.
Brack, Conrad M., Great Bend, Kans. Rotary spiral plow. 1,836,304; Dec. 15.
Bracke, Robert F., assignor to C. B. Camp, trustee, Chicago, Ill. Carburetor fuel supply system. 1,814,118; July 14.
Bracke, Robert F., Chicago, assignor to C. B. Camp, trustee, Glencoe, Ill. Vacuum feed carburetor. 1,833,202; Nov. 24.
Bracke, Robert F., Chicago, Ill., assignor to Williams, Camp and Bradbury, Chicago, Ill. Carburetor. 1,838,902; Dec. 29.
Bracke, Robert F., and C. W. Spohr, Chicago, assignors to C. B. Camp, trustee, Glencoe, Ill. Carburetor. 1,821,840; Nov. 17.
Brackelsberg, Carl, Milspe, Germany. Smelting metal. 1,797,125; Mar. 17.
Brackelsberg, Carl, Milspe, Germany. Process and device for the production of iron-alloys free from gases, especially oxygen. 1,807,468; May 26.
Brackensey, Auguste H., assignor to The Franco-British Electrical Company, Limited, London, England. Advertising sign. 1,789,667; Jan. 20.
Brackett, Edward M., et al. (See Brackett, E. M., and Daneke, assignors.)
Brackett, Edward M., and D. Daneke, assignors to E. M. and F. M. Brackett, copartners doing business under the firm name and style of The Brackett Stripping Machine Company, Topeka, Kans. Paper cutting and trimming machine and gauge and gauge-stop, carrier, hold-down and safety mechanism therefor. 1,805,128; May 12.
Brackett, Fred M., et al. (See Brackett, E. M., and Daneke, assignors.)
Brackett Stripping Machine Company, The. (See Brackett, E. M., and Daneke, assignors.)
Brackman, Herbert H., Colfax, Ill. Internal combustion engine. 1,807,725; June 2.
Bradbrook, George E. (See Edwards, William E., assignor.)
Bradbury, Burke, Schenectady, N. Y., assignor to General Electric Company. Volume-control means for radio-receivers and the like. 1,799,000; Mar. 31.
Bradbury, Clifford C., Glencoe, Ill. Loud speaking apparatus. 1,814,119; July 14.
Bradbury, Clifford C., Oak Park, Ill. Hygro-thermostat. 1,814,585; July 14.
Bradbury, Clifford C., assignor to C. B. Camp, trustee, Glencoe, Ill. Fuel booster pump. 1,814,120; July 14.

Bradbury, Tennyson F. (See Hall, H. C., and Bradbury.)
Brademeyer, Charles L., and C. L. Koonce, Coleman, Fla. Wire fastener for fruit and vegetable containers. 1,790,087; Jan. 27.
Braden, Albert R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making clicking dies. 1,837,523; Dec. 22.
Braden, Albert R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Diestock. 1,837,524; Dec. 22.
Braden, Marshall H., Providence, R. I. Base. 1,833,670; Nov. 24.
Braden, Marshall H., assignor to The Nu-Way Corporation, Rock Island, Ill. Control system for burners. 1,807,302; May 26.
Braden, Marshall H., assignor to The Nu-Way Corporation, Rock Island, Ill. Liquid fuel burning system. 1,807,376; May 26.
Braden, William A., assignor of forty-nine per cent to J. A. Corwin, Cleveland, Ohio. Controlling the direction of motion of automobiles. 1,790,616; Jan. 27.
Bradfield, Fred E. (See Henry, R., and Bradfield.)
Bradfish, Walter J., Eagle River, Wis. Electric heater. 1,833,066; Nov. 24.
Bradford, Ada G., San Francisco, Calif. Magnifying glass attachment for dial telephones. 1,827,557; Oct. 13.
Bradford, Arthur J., Alplaus, N. Y., assignor to General Electric Company. Sound-picture producing apparatus. 1,833,733; Nov. 24.
Bradford Corporation, The. (See Halder, Charles, assignor.)
Bradford, Daniel F., and G. E. Hampton, Pittsburgh, Pa. Game. 1,799,843; Apr. 7.
Bradford, Frank R. (See Taylor, Joseph H., assignor.)
Bradford, Frederick H., assignor to Automatic Primer Company, Chicago, Ill. Pumping system. 1,830,923; Nov. 10.
Bradford, John, Winslow, Ill. Clamp for wire fence structures. 1,825,176; Sept. 29.
Bradford Machine Tool Company, The. (See Watson, Sydney C., assignor.)
Bradford Motor Works. (See Morris, George B., assignor.)
Bradford, Orla E., Brookville, Kans. Kite. 1,824,324; Sept. 22.
Bradford Patents Corporation. (See Stuebing, Albert F., assignor.)
Bradford, Percy L. (See Floyd, C., and Bradford.)
Bradford, Winslow P., Buffalo, N. Y. Arch support for shoes. 1,816,763; July 28.
Bradford, Zerbe C., assignor to Delco Products Corporation, Dayton, Ohio. Electric motor. 1,814,237; July 14.
Brading, Dennis A., assignor of one-third to M. Brading, Chicago, Ill. Process and apparatus for producing acetylene gas. 1,797,400; Mar. 24.
Brading, Harry M., assignor to Indian Archery & Toy Corporation, Evansville, Ind. Archery target. 1,818,939; Aug. 11.
Brading, Mayme. (See Brading, Dennis A., assignor.)
Bradley, Alonzo B., et al. (See Richardson, Henry F., assignor.)
Bradley, Anson K., assignor to Morgan Construction Company, Worcester, Mass. Gas producer. 1,795,162; Mar. 3.
Bradley, Caton, Chicago, Ill. Remote control. 1,835,631; Dec. 8.
Bradley, Charles E., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubber treating method and product. 1,805,713; May 19.
Bradley, Charles E., and C. Ferrettie, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubber treating process and product. 1,805,712; May 19.
Bradley, Charles E., and C. D. Mason, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Lining for rubber articles. Re18,058; May 5.
Bradley, Charles E., and C. D. Mason, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubber protection. 1,832,964; Nov. 24.
Bradley, Charles S., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Cabinet for radio receiving apparatus. Des. 84,316; June 9.
Bradley, Charles S., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Cabinet for radio receiving apparatus. Des. 85,808; Dec. 22.
Bradley, Charles S., assignor to American Ball Company, Minneapolis, Minn. Ball shaping apparatus. 1,819,220; Aug. 18.
Bradley, Claude, Seattle, Wash. Constructing with concrete. 1,815,492; July 21.
Bradley, Fred. (See Bradley, Thomas and F.)
Bradley, Freeman J., Ypsilanti, Mich. Brake equalizer and operating device. 1,807,685; June 2.
Bradley, Harry L., et al. (See Bradley, Lynde, assignors.)
Bradley, Harry L., et al. (See Freeburg, Walter S., assignor.)
Bradley, Harry L., et al. (See Pfeifer, Walter S., assignor.)
Bradley, Harry L., et al. (See Power, Laurence E., assignor.)
Bradley, Harry L., assignor of one-half to L. Bradley, Milwaukee, Wis. Shoe horn. Des. 84,620; July 14.
Bradley, Harry L., Milwaukee, Wis., assignor, by mesne assignments, to Reliance Company, Wilmington, Del. Molding apparatus and method of molding articles. 1,793,435; Feb. 17.
Bradley, Harry L., and G. O. Wilms; said Wilms assignor to L. Bradley, Milwaukee, Wis. Thermal-controlled circuit-control mechanism. 1,797,126; Mar. 17.
Bradley, James F., assignor of one-half to V. J. Bissonnette, Stafford Springs, Conn. Rubber heel. 1,821,878; Sept. 1.
Bradley, Linn, Montclair, N. J. Treating iron ore. 1,800,856; Apr. 14.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburg, assignors to Bradley-McKeefe Corporation, New York, N. Y. Production of chemical pulp, etc. 1,795,754; Mar. 10.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburg, assignors to Bradley-McKeefe Corporation, tion, New York, N. Y. Production of chemical pulp. 1,795,755; Mar. 10.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburg, assignors to Bradley-McKeefe Corporation, New York, N. Y. Production of chemical pulp. 1,795,756; Mar. 10.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburg, assignors to Bradley-McKeefe Corporation, New York, N. Y. Bleaching and process for preparing liquors therefor. 1,795,757; Mar. 10.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburg, assignors to Bradley-McKeefe Corporation, New York, N. Y. Production of pulp. 1,795,758; Mar. 10.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburgh, assignors to Bradley-McKeefe Corporation, New York, N. Y. Production of chemical pulp. 1,797,678; Mar. 24.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburg, assignors to Bradley-McKeefe Corporation, New York, N. Y. Treatment of black liquor. 1,821,138; Sept. 1.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburg, assignors to Bradley-McKeefe Corporation, New York, N. Y. Manufacture of pulp and paper from resinous woods. 1,830,421; Nov. 3.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, assignors to Bradley-McKeefe Corporation, New York, N. Y. Production of pulp, etc. 1,830,461; Nov. 3.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, New York, N. Y., assignors to Bradley McKeefe Corporation. Treatment of residual liquors. 1,833,313; Nov. 24.
Bradley, Linn, Montclair, N. J., and E. P. McKeefe, Plattsburg, assignors to Bradley-McKeefe Corporation, New York, N. Y. Producing pulp and treatment of residual liquors. 1,834,676; Dec. 1.
Bradley, Lynde. (See Bradley, Harry L., assignor.)
Bradley, Lynde. (See Bradley, H. L., and Wilms, assignors.)
Bradley, Lynde, et al. (See Bradley, Lynde, assignor.)
Bradley, Lynde, et al. (See Freeburg, Walter S., assignor.)
Bradley, Lynde, et al. (See Pfeifer, Walter S., assignor.)
Bradley, Lynde, et al. (See Power, Laurence E., assignor.)
Bradley, Lynde, assignor, by mesne assignments, of one-half to himself and one-half to H. L. Bradley, Milwaukee, Wis. Resistor unit and forming same. 1,835,267; Dec. 8.
Bradley-McKeefe Corporation. (See Bradley, L., and McKeefe, assignors.)
Bradley-McKeefe Corporation. (See Drewsen, Viggo, assignor.)
Bradley Pulverizer Company. (See Catlin, Arthur W., assignor.)
Bradley Pulverizer Company. (See Gibson, William A., assignor.)
Bradley, S. R., et al. (See Richardson, Henry F., assignor.)
Bradley, Thomas and F., New Bedford, assignors of one-half to C. F. Hathaway, New Bedford, and E. G. Braley, Fairhaven, Mass. Device for indicating undue wear in bearings. 1,788,941; Jan. 13.
Bradley, Walter R., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article handling apparatus. 1,822,432; Sept. 8.
Bradley Washfountain Company. (See Mullett, H. A., and Heine, assignors.)
Bradley, William F., Rock Island, Ill. Electrical battery cell extractor. 1,838,738; Dec. 29.
Bradner, Donald B., Hamilton, Ohio. Composition for producing irritating smoke clouds. 1,805,755; May 19.
Bradner, Donald B., Hamilton, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ethylation of cellulose. 1,813,726; July 7.
Bradner, Donald B., Hamilton, Ohio, assignor to The Champion Coated Paper Company, Hamilton, Ohio. Paper coating composition. 1,826,726; Oct. 13.
Bradner, Donald B., Hamilton, assignor to The Champion Coated Paper Company, Hamilton, Ohio. Making coated paper. 1,838,358; Dec. 29.
Bradshaw, Aubrey O., Bluefield, W. Va. Card holder for freight cars. 1,820,776; Aug. 25.
Bradshaw, Grant D., Pittsburgh, Pa. Smoking pipe. 1,796,778; Mar. 17.

Bradshaw, Grant D., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Purifier in drain vent pipes. 1,796,436; Mar. 17.
Bradshaw, Grant D., Beaver, assignor to Blaw-Knox Company, Blawknox, Pa. Fluid separator. 1,834,086; Dec. 1.
Bradshaw, Grant D., and R. N. Robertson, Pittsburgh, assignors, by mesne assignments, to Blaw-Knox Company, Blawnox, Pa. Fluid separator. 1,796,435; Mar. 17.
Bradshaw, Lawrence, Bainbridge, N. Y. Abating foaminess in glues. 1,833,771; Nov. 24.
Bradshaw, Lawrence, Bainbridge, N. Y. Abating foaminess in glues. 1,833,772; Nov. 24.
Bradshaw, Lawrence, Bainbridge, assignor by mesne assignments, to The Casein Manufacturing Company of America, Inc., New York, N. Y. Adhesive. 1,787,611; Jan. 6.
Bradshaw, Lawrence, Bainbridge, assignor, by mesne assignments, to Casein Manufacturing Company of America, Inc., New York, N. Y. Adhesive base. 1,820,432; Aug. 25.
Bradshaw, Lawrence, and H. V. Dunham, Bainbridge, assignors, by mesne assignments, to The Casein Manufacturing Company of America, Inc., New York, N. Y. Retarding the setting of casein glue and dry glue base for use in such processes. 1,829,258; Oct. 27.
Bradshaw, Lawrence, and H. V. Dunham, Bainbridge, assignors, by mesne assignments, to The Casein Manufacturing Company of America, Inc., New York, N. Y. Making slow-setting casein glue, and dry base for use in such processes. 1,829,259; Oct. 27.
Bradshaw, Lou. (See Davis, Donald C.)
Bradshaw, William H., Brooklyn, assignor to Auto-Meter Co. Inc., New York, N. Y. Electric indicating means. 1,796,586; Mar. 17.
Bradshaw, William, and W. G. Mylius, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Meter terminal. 1,806,327; May 19.
Bradstreet, Hosea E., Methuen, assignor to Archibald Wheel Company, Lawrence, Mass. Ironing board. 1,827,218; Oct. 13.
Bradt, Merritt B. (See Schneider, E. J., and Bradt.)
Brady, Charles T., Detroit, Mich. Lamp shade. Des. 83,949; Apr. 21.
Brady, Charles T., Detroit, Mich. Lamp. 1,832,475; Nov. 17.
Brady, Charles V., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Fastener. 1,830,014; Nov. 3.
Brady, Edmund W., assignor to The Brady Electric & Manufacturing Company, New Britain, Conn. Cable supporting bracket. 1,802,964; Apr. 28.
Brady, Edmund W., assignor to The Brady Electric & Manufacturing Company, New Britain, Conn. Insulator support. 1,802,965; Apr. 28.
Brady Electric & Manufacturing Company, The. (See Brady, Edmund W., assignor.)
Brady, Frank, Denver, Colo. Trick pocketbook. 1,807,826; June 2.
Brady, George H., assignor to Improved Fire Detector Corporation, Baltimore, Md. Wire connecter. 1,808,285; June 2.
Brady, George H., assignor to Improved Fire Detector Corporation, Baltimore, Md. Thermostatic circuit closer, 1,822,472; Sept. 8.
Brady, George H., assignor to Improved Fire Detector Corporation, Baltimore, Md. Temperature sensitive electrical circuit closer. 1,832,761; Nov. 17.
Brady, George W., assignor to The Brady Electric & Manufacturing Company, New Britain, Conn. Insulator support. 1,802,966; Apr. 28.
Brady, Jessica M., Rye, N. Y. Pocketbook. 1,790,497; Jan. 27.
Brady, Thomas, East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Lubricating device for elevator guide rails. 1,805,305; May 12.
Brady, Thomas, East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Closure operating mechanism. 1,810,942; June 23.
Brady, Thomas, East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Electromechanical interlock. 1,816,072; July 28.
Brady, Vincent, New York, N. Y. Aerial toy. 1,804,244; May 5.
Brady, William. (See Hachenberg, Louis, assignor.)
Braestrup, Carl B., Scarsdale, N. Y. Safety device for electrical apparatus. 1,822,919; Sept. 15.
Braeutigam, Henry P., and G. S. Dickey, assignors to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,820,045; Aug. 25.
Braeutigam, Henry P., and W. C. Holbrook, assignors to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,832,089; Nov. 17.
Braga, Eduardo de A., Sao Paulo, Brazil. Resilient tire. 1,825,502; Sept. 29.
Bragaw, William H., and G. W. Bledsoe, Silver City, N. Mex. Power multiplier. 1,813,903; July 14.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake mechanism for automotive vehicles. 1,788,378; Jan. 13.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake mechanism for automotive vehicles. 1,788,379; Jan. 13.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,797,853; Mar. 24.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake mechanism for automotive vehicles. 1,801,410; Apr. 21.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,801,483; Apr. 21.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,803,957; May 5.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Vacuum brake system. 1,807,277; May 26.
Bragg, Caleb S. and V. W. Kliesrath, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Vacuum brake mechanism. 1,809,014; June 9.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Controlling valve mechanism for vacuum brake systems. 1,809,015; June 9.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg & Kliesrath Corporation, Long Island, N. Y. Power actuator. 1,811,994; June 30.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Operating suction actuated devices of automotive vehicles. 1,816,467; July 28.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake mechanism for automotive vehicles. 1,817,800; Aug. 4.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake mechanism for automotive vehicles. 1,822,688; Sept. 8.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,824,032; Sept. 22.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake actuating mechanism. 1,824,980; Sept. 29.
Bragg, Caleb S., and V. W. Kliesrath, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake mechanism for automotive vehicles. 1,826,414; Oct. 6.
Bragg, Caleb S., and V. W. Kliesrath, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Poppet valve mechanism for power actuators. 1,826,415; Oct. 6.
Bragg, Caleb S., and V. W. Kliesrath, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,826,416; Oct. 6.
Bragg, Caleb S., and V. W. Kliesrath, assignors to Bragg-Kliesrath Corporation, New York, N. Y. Power actuator. 1,826,417; Oct. 6.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignor to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake system for automotive vehicles. 1,826,418; Oct. 6.
Bragg, Caleb S., and V. W. Kliesrath, Long Island City, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,826,450; Oct. 6.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,826,648; Oct. 6.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,830,636; Nov. 3.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake actuating mechanism for automotive vehicles. 1,835,751; Dec. 8.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake mechanism for automotive vehicles. 1,835,752; Dec. 8.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake mechanism for automotive vehicles. 1,838,803; Dec. 29.
Bragg, Gilbert A., Pittsburgh, Pa., assignor to The Koppers Company. Gas purification process and apparatus. 1,809,818; June 16.
Bragg, Gilbert A., Pittsburgh, Pa., assignor to The Koppers Company. Gas purification process. 1,819,833; Aug. 18.
Bragg, Gilbert A., East Orange, N. J., assignor to The Koppers Company. Gas purification. 1,834,764; Dec. 1.

Bragg-Kliesrath Corporation. (See Agueeff, Alexander A., assignor.)
Bragg-Kliesrath Corporation. (See Bragg, C. S., and Kliesrath, assignors.)
Bragg, Thomas A. (See Kadow, A., and Bragg.)
Bragger, William B., Exeter, Me., and V. F. Nekarda, Jersey City, N. J., assignors to Pearl Art, Inc., New York, N. Y. Ornamental material, inserts for and making same. 1,812,134; June 30.
Brahy,. Charles, assignor of one-half to C. E. Marion, New York, N. Y. Automatic dispensing apparatus. 1,793,902; Feb. 24.
Brahy, Charles, assignor to C. E. Marion, New York, N. Y. Automatic liquid fuel dispenser. 1,834,765; Dec. 1.
Brain, George, Tiffin, Ohio, assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Water closet bowl. Des. 84,458; June 23.
Brain, George, Tiffin, Ohio, assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Water closet bowl. Des. 84,973; Sept. 1.
Brain, George, Tiffin, Ohio, assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Water closet bowl. Des. 84,974; Sept. 1.
Brain, George, Tiffin, Ohio, assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Flushing tank. Des. 85,364; Oct. 20.
Brainard, Clarence H., Glendale, R. G. Carrington, Santa Monica, and A. F. Cooke, assignors to Edwin H. Piersen, Los Angeles, Calif. Building construction. 1,813,909; July 14.
Brainard, George C., assignor to The General Fireproofing Company, Youngstown, Ohio. Card posting safe. 1,811,421; June 23.
Brainard, George C., and J. A. Fitch, assignors to The General Fireproofing Company, Youngstown, Ohio. Base for swivel chair. 1,810,817; June 16.
Brainard, George C., and G. T. Gourley, assignors to The General Fireproofing Company, Youngstown, Ohio. Bookkeeper's desk. 1,816,249; July 28.
Brainard, Raymond H., Stockton, assignor of one-half to L. R. Decker, Brockton, N. Y. 1,838,049; Dec. 22.
Braine, Bancroft G., assignor to The Rail Joint Company, New York, N. Y. Rail joint construction. 1,805,034; May 12.
Braine, Daniel L., Brooklyn, assignor to The Rail Joint Company, New York, N. Y. Forming a compromise rail joint bar. 1,818,880; Aug. 11.
Braithwaite and Company Engineers Limited. (See Radice, William A., assignor.)
Braithwaite, Isaac, & Son Engineers, Limited. (See Tanner, Harold, assignor.)
Braitmayer, Otto E., assignor to The Tabulating Machine Company, New York, N. Y. Punching device. 1,812,620; June 30.
Brake Synchrometer Co. (See Lanbein, Harold W., assignor.)
Brake Synchrometer Co. (See Smith, C. F., and Page, assignors.)
Brake-Testing Equipment Corporation. (See Patton, Harry H., assignor.)
Braley, Eli G., et al. (See Bradley, Thomas and F., assignors.)
Brallier, Paul S., E. J. Dunlap, and G. D. Muggleton, assignors to Niagara Smelting Corporation, Niagara Falls, N. Y. Making carbon tetrachloride. 1,817,123; Aug. 4.
Braman, Hannah, administratrix. (See Trinks, W. W., and Tucker.)
Bramblett, Lyfus W. (See Bracey, W. E., and Bramblett.)
Brambley, Frederick M. (See Black, M. S., and Brambley.)
Bramley-Moore, Swinfen, White Plains, N. Y. Machine for breaking and separating cocoa beans. 1,788,683; Jan. 13.
Bramley-Moore, Swinfen, White Plains, N. Y. Viscosity reducer. 1,814,400; July 14.
Brammer, Anthony C., Wichita, Kans., assignor of two-thirds to J. T. McInnes, Tulsa, Okla. Stuffing box. Re17,976: Feb. 24.
Bramsen, Svend. (See Hersleb, W., and Bramsen.)
Bramsen, Svend, and W. Hersleb, Chicago, Ill. Spraying appliance. 1,797,209; Mar. 17.
Bramsen, Svend, and W. Hersleb, assignors to Binks Manufacturing Company, Chicago, Ill. Touch-up spray gun. 1,812,922; July 7.
Bramson, Mogens L., Hendon, London, England. Variable pitch propeller. 1,806,385; May 19.
Brancart, Arthur, Ronquieres, Belgium. Process of and apparatus for treating cast glass sheets and plates. 1,819,670; Aug. 18.
Brancart, Arthur, Ronquieres, Belgium. Process of and apparatus for rolling glass. 1,827,138; Oct. 13.
Brancart, Yvon, Ronquieres, Belgium. Sole plate for glass-annealing and like furnaces. 1,791,656; Feb. 10.
Brancart, Yvon, Verriers de Fauquez, Ronquieres, Belgium. Treatment of cast glass sheets and plates. 1,819,221; Aug. 18.
Brancart, Yvon, Verreries de Fauquez, Ronquieres, Belgium. Device for adjusting the thickness of glass plates and sheets. 1,819,222; Aug. 18.
Brancart, Yvon, Verreries de Fauquez, Ronquieres, Belgium. Glass rolling train. 1,819,223; Aug. 18.
Brancart, Yvon, Verreries de Fauquez, Ronquieres, Belgium. Table for casting glass sheets and plates. 1,819,224; Aug. 18.
Brancart, Yvon, Ronquieres, Belgium. Treating glass. 1,821,375; Sept. 1.
Branch, Harry, Terre Haute, Ind. Adjusting device for awning arms. 1,804,550; May 12.
Branch, William E., Fort Worth, Tex. Radio transmission system. 1,828,920; Oct. 27.
Branche, Nelson T., assignor to Surface Combustion Corporation, Toledo, Ohio. Regulating means for gas-burning heating apparatus. 1,800,280; Apr. 14.
Branche, Nelson T., assignor to Surface Combustion Corporation, Toledo, Ohio. Thermostat. 1,804,367; May 5.
Branche, Nelson T., assignor to Surface Combustion Corporation, Toledo, Ohio. Valve operating mechanism. 1,832,090; Nov. 17.
Branche, Nelson T., and V. O. Beam, assignors to Surface Combustion Corporation, Toledo, Ohio. Fluid-fuel-burner control. 1,810,123; June 16.
Branchen, Leonard E., and C. U. Prachel, assignors to Eastman Kodak Company, Rochester, N. Y. Lowering the viscosity of cellulose acetate. 1,831,795; Nov. 10.
Brancko, Frank L. et al. (See Colombo, John, assignor.)
Brand, Charles F., Wheeling, W. Va. Heating system. 1,808,761; June 9.
Brand, Francis D. F., Hempstead, N. Y. Switch. 1,801,303; Apr. 21.
Brand, Harry R., New York, N. Y. Delivery mechanism for food-preparing machines. 1,795,828; Mar. 10.
Brand, Harry R., New York, N. Y. Mechanism and method for controlling business. 1,803,522; May 5.
Brand, Harry R., New York, N. Y. Registering device and annunciator. 1,809,157; June 9.
Brand, Harry R., New York, N. Y. Beverage preparing and dispensing machine. 1,822,433; Sept. 8.
Brand, Harry R., New York, N. Y. Computing and recording mechanism. 1,825,141; Sept. 29.
Brand, James C., assignor to Chase Plow Company, Lincoln, Nebr. Lever. 1,806,783; May 26.
Brand, James J. C., Strand, London, assignor of one-half to B. Laing, London, England. Steam generator and furnace therefor. 1,793,830; Mar. 31.
Brand, John F., Utica, N. Y. Automobile identification plate. 1,788,273; Jan. 6.
Brand, John J. F., Roseville, Ohio. Brick embossing machine. 1,825,938; Oct. 6.
Brand, Samuel, assignor to The National Cash Register Company, Dayton, Ohio. Autographic register. 1,791,858; Feb. 10.
Brand, Samuel, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,808,398; June 2.
Brand, Samuel, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,811,534; June 23.
Brand, Samuel, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,812,194; June 30.
Brand, Smart, Brooklyn, and P. Mertz, Bellerose Manor, N. Y., assignors to American Telephone and Telegraph Company. Binaural phase-discrimination radio system. 1,797,317; Mar. 24.
Brandall, Harry N., Fairfield, Iowa. Grade-crossing signal. 1,797,974; Mar. 24.
Brandenburg, Clyde S., Chicago, Ill. Package wrapping device. 1,810,156; June 16.
Brandenburger, Leo. (See Schleicher, M., and Brandenburger.)
Brandenstein, Errol W., Schenectady, N. Y., assignor to General Electric Company. Self propelled vehicle. 1,821,827; Sept. 1.
Brandes Laboratories, Incorporated. (See Enderwood, Richard C.)
Brandes Laboratories, Inc. (See Rypinski, Maurice C., assignor.)
Brandes Laboratories, Inc. (See Staunton, Le Roy W., assignor.)
Brandes Laboratories, Inc. (See Staunton, L. W., and Brigham, assignors.)
Brandes Laboratories, Inc. (See Vansickle, Melvin E., assignor.)
Brandfon, Samuel. (See Spector, S., and Brandfon.)
Brandl, Albert, and C. F. Wegner, Wausa, Nebr. Engine governor. 1,822,473; Sept. 8.
Brandle and Smith Company. (See Jones, Ralph H., assignor.)
Brandle & Smith Company. (See Putt, Frank B., assignor.)
Brandt, A. C. (See Smith, Harold W., assignor.)
Brandt, Abram, assignor to Jas. Brandt & Bro., New York, N. Y. Decorative wreath. 1,817,173; Aug. 4.
Brandt Automatic Cashier Co. (See Brandt, Edward J., assignor.)
Brandt, Carl W., Cleveland Heights, Ohio. Scale. 1,828,022; Oct. 20.
Brandt, David G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Method and apparatus for producing gasoline. 1,791,113; Feb. 3.
Brandt, David G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Process and apparatus for cracking petroleum oils. 1,791,114; Feb. 3.
Brandt, Edgar W., Paris, France. Device utilizable for camouflage and the like. 1,817,871; Aug. 4.

Brandt, Edward J., assignor to Brandt Automatic Cashier Co., Watertown, Wis. Adjustable spout. 1,816,515; July 28.
Brandt, Edward J., Watertown, assignor to Brandt Automatic Cashier Company, Watertown, Wis. Change making machine. 1,820,343; Aug. 25.
Brandt, Edward J., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Key for coin delivery machines. 1,822,560; Sept. 8.
Brandt Engineering Corporation. (See Brandt, George, assignor.)
Brandt, Eugène, Geneva, Switzerland. Nut locking device. 1,815,095; July 21.
Brandt, Eugène, Geneva, Switzerland. Railroad construction. 1,831,701; Nov. 10.
Brandt, Fred, Tagus, N. Dak. Fuel heating device. 1,838,804; Dec. 29.
Brandt, Frederick D., jr., Houston, Tex. Combined pedal and foot rest. 1,831,736; Nov. 10.
Brandt, George, assignor to Brandt Engineering Corporation, New York, N. Y. Reducing furnace. 1,836,953; Dec. 15.
Brandt, Henry E., St. Paul, assignor to The Dobbins Manufacturing Company, North St. Paul, Minn. Sprayer construction. 1,792,802; Feb. 17.
Brandt, Henry E., St. Paul, assignor to The Dobbins Manufacturing Company, North St. Paul, Minn. Sprayer for lacquer. 1,792,803; Feb. 17.
Brandt, Henry E., St. Paul, assignor to The Dobbins Manufacturing Company, North St. Paul, Minn. Duster for plants. 1,792,804; Feb. 17.
Brandt, Herman A. (See Kleinhans, F. J., and Brandt.)
Brandt, Jas., & Bros. (See Brandt, Abram, assignor.)
Brandt, Lewis, assignor to Pittsburg Steel Company, Pittsburgh, Pa. Building structure. 1,811,195; June 30.
Brandt, Max F. (See Greutman, W. J., Shook, and Brandt.)
Brandt, Rudolph, assignor to Petry & Brandt, San Francisco, Calif. Riveting machine. 1,798,303; Mar. 31.
Brandus, Ernst, Berlin, Germany, assignor to Crawfordsville Seed Company, Crawfordsville, Ind. Magnetic separating composition. 1,823,852; Sept. 15.
Brandwood, Joseph, Manchester, England. Fluid treatment of artificial silk threads or filaments. 1,799,972; Apr. 7.
Braner, Stephen W., assignor to Victor Manufacturing & Gasket Co., Chicago, Ill. Gasket. 1,798,246; Mar. 31.
Braner, Stephen W., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Gasket. 1,814,283; July 14.
Brankowtiz, Peter, Cypress Hills, N. Y. Supporting bracket. Des. 85,730; Dec. 15.
Branley, Harry, Honesdale, Pa. Hosiery. 1,805,035; May 12.
Brannen, Frank J., Cleveland, Ohio. Liquid level indicator. 1,835,007; Dec. 8.
Brannon, Robert D., Sulphur, La. Automatic pipe puller. 1,797,632; Mar. 24.
Bransky, Arthur H., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Slushing grease. 1,795,993; Mar. 10.
Branson, David E. (See Weaver, A., and Branson.)
Branson, Russell W., Kansas City, Mo., assignor of one-half to J. E. Schultz, Groesbeck, Tex. Parking device. 1,827,457; Oct. 13.
Branstad, Arthur J., Eau Claire, Wis. Casing for cigarette vending machines. Des. 85,809; Dec. 22.
Brantly, John E., Birmingham, Ala., assignor to Drilling and Exploration Company, Inc., Dover, Del. Drill control system. 1,831,437; Nov. 10.
Brantly, John E., Birmingham, Ala., assignor to Drilling and Exploration Company, Inc., Dover, Del. Drilling bit. 1,831,841; Nov. 17.
Braren, Lorenz K., Munich, assignor to Friedrich Deckel, Präzisionsmechanik und maschinenbau, Munich Bavaria, Germany. Production of cycloidal curves. 1,817,405; Aug. 4.
Braselmann, Eugene, Delle, near Breckerfeld, Germany. Car jack. 1,824,768; Sept. 29.
Braselton, Chester H., Corporation. (See Knight, Charles Y., assignor.)
Braselton, Chester H., Corporation. (See Wetmore, Earl P., assignor.)
Braselton, Chester H., New York, N. Y. Power-generating mechanism. 1,791,239; Feb. 3.
Braselton, Chester H., New York, N. Y. Inertia operated pump mechanism. 1,831,996; Nov. 17.
Braselton, Chester H., New York, and F. B. MacLaren, Jamaica, N. Y.; said MacLaren assignor to said Braselton. Fuel supply system for automotive vehicles. 1,831,993; Nov. 17.
Braselton, Chester H., New York, and F. B. MacLaren, Jamaica, N. Y.; said MacLaren assignor to said Braselton. Vibration pumping mechanism. 1,831,994; Nov. 17.
Braselton, Chester H., New York, and F. B. MacLaren, Malba, Long Island. Vibration operated pumping mechanism. 1,831,995; Nov. 17.
Brasier, Oscar H., Tacoma, Wash. Talking machine. 1,817,230; Aug. 4.
Brass, Frank, N. Otten, and G. C. Toland, Raven, Colo. Apparatus for wood distillation. 1,836,305; Dec. 15.
Brassard, Friedrick A., Bad Godesberg, Germany, assignor to Theodore Hemeke, trustee, Hicksville, Long Island, N. Y. Wall board and the like for covering walls. 1,820,933; Sept. 1.
Brassert, H. A., & Company. (See Andrews, Charles W., assignor.)
Brassert, H. A., & Company. (See Andrews, C. W., and Brassert, assignors.)
Brassert, H. A., & Company. (See Andrews, C. W., and Kinney, assignor.)
Brassert, H. A., & Company. (See Atwater, Karl W., assignor.)
Brassert, H. A., & Company. (See Boynton, Arthur J., assignor.)
Brassert, H. A., & Co. (See Boynton, A. J., and Dougan, assignors.)
Brassert, H. A., & Company. (See Brassert, Herman A., assignor.)
Brassert, H. A., & Company. (See Brassert, H. A., and Andrews, assignors.)
Brassert, H. A., & Company. (See Brassert, H. A., and Barrett, assignors.)
Brassert, H. A., & Company. (See Grilli, John P., assignor.)
Brassert, H. A., & Company. (See Grilli, J. P., and Wetherbee, assignors.)
Brassert, H. A., & Co. (See Wille, Fred, assignor.)
Brassert, Herman A. (See Andrews, Charles W., assignor.)
Brassert, Herman A. (See Beale, A. H., Brassert, and Wille.)
Brassert, Herman A., Kenilworth, Ill. Apparatus for heating air and other gases for industrial uses. 1,825,259; Sept. 29.
Brassert, Herman A., assignor to H. A. Brassert & Company, Chicago, Ill. Treatment of iron ore. 1,815,899; July 28.
Brassert, Herman A., assignor to H. A. Brassert & Company, Chicago, Ill. Construction of hot blast stoves. 1,815,900; July 28.
Brassert, Herman A., Chicago, Ill., and C. W. Andrews, Duluth, Minn., assignors to H. A. Brassert & Company, Chicago, Ill. Enriching a lean combustible gas. 1,795,829; Mar. 10.
Brassert, Herman A., and F. W. Barrett, assignors to H. A. Brassert & Company, Chicago, Ill. Apparatus for cleaning gases. 1,815,898; July 28.
Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Stencil duplicating machine. 1,791,157; Feb. 3.
Brass Goods M'f'g. Co. (See Hyatt, Frank S., assignor.)
Brass Goods M'f'g. Co. (See Pike, Lorenzo H., assignor.)
Brasty, Joseph, Maple Heights, assignor of one-third to J. B. Lewis and one-third to Lewis Colton, Cleveland, Ohio. Vacuum sweeper. 1,805,203; May 12.
Bratrud, Otto M., Seattle, Wash. Cutting instrument. 1,833,406; Nov. 24.
Bratter, David, Bronx, N. Y. Sectional wall structure or partition. 1,795,270; Mar. 3.
Bratton, Samuel M. (See Johnston, R. S., and Bratton.)
Bratz, Otto J. (See Zeder, J. C., and Bratz.)
Brau, Marcel, Rivesaltes, Pyrenees-Orientales, France. Internal combustion engine. 1,802,902; Apr. 28.
Brauchler, Charles A., Canton, Ohio. Forging. 1,791,187; Feb. 3.
Brauchli, Ernst, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Stable irradiated ergosterine and manufacture of same. 1,824,653; Sept. 22.
Brauckmeyer, Rudolf, assignor to Deutsche Wollenwaren-Manufaktur Aktiengesellschaft, Grunberg, Silesia, Germany. Making tone in tone effects in woolen fabrics. 1,831,650; Nov. 10.
Brauer, Albert C., and G. W. Weimer, Girard, Ohio. Rolling mill repeater. 1,826,451; Oct. 6.
Brauer, Benjamin, et al. (See Englund, Edwin H. L., assignor.)
Brauer, Herman, and C. R. Trail, Seminole, Okla. Well-drilling fluid-separating device. 1,800,168; Apr. 7.
Brauer, Walter, Seminole, Okla. Key bushing for rock-bit reamer pins. 1,812,681; June 30.
Brauer, Wilhelm. (See Breitling, E., Brauer, Lehmann, and Bornkessel.)
Braun, Adolf, New York, N. Y. Speed controlling device for vehicles. 1,822,880; Sept. 15.
Braun, B., firm. (See Hammer, Fritz, assignor.)
Braun, C. F., & Co. (See Braun, Carl F., assignor.)
Braun, Carl, Inc. (See Williams, Lester J., assignor.)
Braun, Carl A., Toledo, assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio. Press cut-off. 1,800,005; Apr. 7.
Braun, Carl F., Pasadena, assignor to C. F. Braun & Co., Alhambra, Calif. Water-cooling tower. 1,794,394; Mar. 3.
Braun, Herman F. (See Smith, W. J., and Braun.)
Braun, Herman F., assignor to Cleveland Steel Products Corporation, Cleveland, Ohio. Fire box construction. Re17,991; Mar. 10.
Braun, Otto, Tryon, N. C. Carburetor. 1,787,854; Jan. 6.
Braun, Philip N., assignor to The Prosperity Company Inc., Syracuse, N. Y. Drying attachment for pressing machines. 1,816,208; July 28.
Braun, Philip N., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Pressing machine (work holding means). 1,817,344; Aug. 4.

Braun, Philip N., assignor to The Prosperity Company Inc., Syracuse, N. Y. Mothproofing means for pressing machines. 1,817,406; Aug. 4.
Braun, William, et al. (See Green, Elmer, assignor.)
Braunger, Charles A. (See Hukill, E. W., and Braunger.)
Braunschweiger Hüttenwerk G. m. b. H. (See Meier, Ernst, assignor.)
Braunsdorf, Otto. (See Holzapfel, E., Braunsdorf, and Lange.)
Braunsdorf, Otto. (See Nawiasky, P., Braunsdorf, and Ehrhardt.
Braunsdorf, Otto. (See Nawiasky, P., Braunsdorf, and Holzapfel.)
Braunsdorf, Otto. (See Nawiasky, P., Holzapfel, and Braunsdorf.)
Braunstein, Mollie, Cedarhurst, N. Y. Double cuff for knickers and the like, and its manufacture. 1,828,457; Oct. 20.
Braunstein, Roger, assignor to Société Anonyme des Anciens Etablissements Braunstein Fréres, Paris, France. Machine for interfolding sheets of cigarette papers. 1,809.671; June 9.
Braunstein, Schulim, and S. Meerson, Berlin, Germany. Generation of a refrigerant jet for dental operations. 1,810,750; June 16.
Braunwalder, John, Los Angeles, Calif. Airship. 1,823,875; Sept. 22.
Braverman, William, Cincinnati, Ohio. Tool head securing means. 1,830,589; Nov. 3.
Brawner, George H., assignor of one-third to W. J. Bryan, and one-hundred fifty-one three-hundredths to J. E. Sellers, Dallas, Tex. Brake shield. 1,828,761; Oct. 27.
Bray, Lawrence L., Fond du Lac, Wis. Testing device. 1,817,872; Aug. 4.
Bray, Nelson H., San Francisco, Calif. Mechanical product and producing the same. 1,830,747; Nov. 10.
Bray, Norris E., Concord, Mass. Tide and current motor. 1,790,969; Feb. 3.
Braybrooks, William M., Philadelphia, assignor to Gulf Oil Burner Company, Pittsburgh, Pa. Burner nozzle. 1,790,970; Feb. 3.
Brayton, Harold M., Dover, N. J., assignor to Secretary of War of the United States. Mechanical delay fuse for drop bombs. 1,830,924; Nov. 10.
Brazeal, Frank E., Providence, R. I. Safety razor. 1,798,831; Mar. 31.
Brazier, Leslie G., London, England. Laying of electric cables and apparatus therefor. 1,801,900; Apr. 21.
Brazzell, Martha, St. Louis, Mo. Combination undergarment for children. 1,812,255; June 30.
Brdar, John, Chicago, Ill. Smoke-washing means. 1,799,084; Mar. 31.
Bready, Owen J., Cleveland, Ohio. Power driven implement. 1,817,873; Aug. 4.
Breaithwaite, Charles H., Philadelphia, Pa. Machine for knitting pile fabrics. 1,838,739; Dec. 29.
Breaker, Harry O., assignor to Industrial Furnace Corporation, Buffalo, N. Y. Heat treating furnace. 1,820,879; Aug. 25.
Breau, William. (See Traff, C. A., and Johnson, assignors.)
Brecht, Carl F., assignor to Deubener Shopping Bag, Inc., Indianapolis, Ind. Picture frame. Re17,951; Feb. 3.
Brecht, Winston A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Spring element. 1.826,597; Oct. 6.
Brecknell, William H., Somerset, England. Embossing and like press. 1,800,245; Apr. 14.
Bredar, Joseph L., Rock Island, Ill. Holder for price or advertising cards. 1,796,587; Mar. 17.
Bredin, Lewis L., assignor to Chamberlin Metal Weatherstrip Co., Detroit, Mich. Roll screen. 1,834,513; Dec. 1.
Bredsvold, Paul A., Chicago, Ill. Automobile head lamp. 1,798,132; Mar. 31.
Bree, Helier O., Mount Eden, Auckland, New Zealand. Water heater. 1,802,316; Apr. 21.
Breed, Charles W. (See Burkhardt, G. R., and Breed.)
Breed, Charles W., Western Springs, and G. R. Burkhardt, Chicago, Ill. Railway joint bar. 1,809,104; June 9.
Breeden, Edwart T., Fort Dodge, Iowa, assignor of one-half to O. I. Hobson. Creeper construction. 1,823,526; Sept. 15.
Breeler, Walter R., Detroit, Mich. Alloy steels. 1,831,946; Nov. 17.
Breer, Carl, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Carburetor. 1,803,315; May 5.
Breer, Carl, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Vibration dampener. 1,805,357; May 12.
Breer, Carl, assignor to Chrysler Corporation, Detroit, Mich. Piston lubrication. 1,818,671; Aug. 11.
Breer, Carl, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Dampener. 1,828,278; Oct. 20.
Breer, Carl, Summit, N. J., assignor to Chrysler Corporation, Highland Park, Mich. Forming explosive mixtures. 1,827,728; Oct. 20.
Breese, James L., jr., Santa Fe, N. Mex., assignor to Oil Devices Corporation, Chicago, Ill. Oil-burning apparatus. Re18,299; Dec. 22.
Breese, Sydney S, Woodbury, N. Y. Hydrofoil boat. 1,833,481; Nov. 24.
Breetz, Louis C., Youngstown, Ohio. Lamp receptacle. 1,836,571; Dec. 15.
Breeze, Dudne M. (See Welch, Roy J. C., assignor.)
Breeze, Herbert J., Chatsworth, Calif. Take off and landing apparatus for airplanes. 1,813,986; July 14.
Brégi, Jean H., Beynes, assignor to Compagnie Technique Des Petroles, Paris, France. Tar refining. 1,791,052; Feb. 3.
Breguet, Louis, assignor to Societe Anonyme Des Ateliers D'Aviation Louis Breguet, Paris, France. Aeroplane wing. 1.791,233; Feb. 3.
Breguet, Louis, assignor to Societe Anonyme Des Ateliers D'Aviation Louis Breguet, Paris, France. Propelling system for aircraft. 1,824,325; Sept. 22.
Brehman, Luther W., Detroit, Mich., assignor to American Telephone and Telegraph Company. Insulation testing system. 1,824,802; Sept. 29.
Brehmer, Franklin G. (See Pasternack, R., and Brehmer.)
Brehmer, William, San Antonio, Tex. Spraying machine. 1,807,469; May 26.
Breisch, Edgar W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trickle-charge system. 1,787,813; Jan. 6.
Breisky, John V. (See Crichton, L. N., and Breisky.)
Breisky, John V., Pittsburgh, and T. H. Long, Irwin, Pa., assignors to Westinghouse Electric and Manufacturing Company. Induction furnace. 1,801,790; Apr. 21.
Breisky, John V., Pittsburgh, and T. H. Long, Irwin, Pa., assignors to Westinghouse Electric and Manufacturing Company. Induction furnace protective circuit. 1,801,791; Apr. 21.
Breisky, John V., Pittsburgh, and H. A. McLaughlin, Edgewood, Pa., assignors to Westinghouse Electric and Manufacturing Company. Relay system. 1,792,271; Feb. 10.
Breitbach, Fritz, assignor to the Firm Carl Still, Recklinghausen, Germany. Extracting benzene hydrocarbons from gases. 1,790,571; Jan. 27.
Breitenstein, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Floating-tool holder. 1,787,932; Jan. 6.
Breitenstein, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Grinding fixture for thread cutting chasers. 1.830,189; Nov. 3.
Breithaupt, Oscar, Detroit, Mich. Nail holder. 1,810,460; June 16.
Breitling, Ernst, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Zero-printing device. 1,790,790; Feb. 3.
Breitling, Ernst, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Differential mechanism for cash registers and calculating machines. 1,792,569; Feb. 17.
Breitling, Ernst, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Blocking the setting means of cash registers. 1.829,084; Oct. 27.
Breitling, Ernst, W. Brauer, K. A. Lehmann, and B. Bornkessel, deceased, Essen, by M. Bornkessel, of Essen-on-the-Ruhr; said Breitling, Brauer, Lehmann and Bornkessel, assignors to Fried Krupp Aktiengesellschaft, Essen-on-the-Rhur, Germany. Bookkeeping machine. 1,839,138; Dec. 29.
Breitweiser, Edward, assignor to Buffalo Co-Operative Stove Co., Buffalo, N. Y. Incinerator. 1,789,893; Jan. 20.
Breker, Heim, Manufacturing Company. (See Breker, John C., assignor.)
Breker, John C., assignor to Heim Breker Manufacturing Company, Buffalo, N. Y. Lock. 1,835,691; Dec. 8.
Brekke, Marshall T., Scarsdale, assignor to Northam Warren Corporation, New York, N. Y. Brush. Des. 83,303; Feb. 17.
Brekke, Marshall T., Scarsdale, assignor to Northam Warren Corporation, New York, N. Y. Bottle cap. Des. 85,571; Nov. 17.
Brell, Jules J., assignor of one-third to H. Radzinsky, New York, N. Y. Paper receptacle. 1,794,577; Mar. 3.
Bremer, Carlos, Buenos Aires, Argentina. Picture frame. 1,823,485; Sept. 15.
Bremer, Emil G., Burlington, Iowa. Candy-bar machine. 1,797,818; Mar. 24.
Bremerman, Frank B., Indianapolis, Ind. Musical-instrument body. Des. 83,426; Feb. 24.
Bremforder, Ernest G. (See Wozniak, J., and Bremforder.)
Brendlin, Herman J., assignor to The Hayward Company, New York, N. Y. Excavating shovel. 1,826,920; Oct. 13.
Brenek, Hans. (See Rothe, F., and Brenek.)
Brenek, Hans, Pors-on-the-Rhine, assignor to the Firm of Rhenania Verein Chemischer Fabriken A. G., Aachen, Aachen, Germany. Producing fertilizer. 1,799,882; Apr. 7.
Breneman, Paul E., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Body construction. 1,787,718; Jan. 6.
Brenizer, Orson W., Philadelphia, Pa. Reel connecting means for fishing rods. 1,827,277; Oct. 13.
Brenn, Carl W., Montclair, N. J. Folding machine. 1,805,161; May 12.
Brenn, Carl W., Montclair, assignor to Autographic Register Company, Hoboken, N. J. Typewriting machine. 1,818,940; Aug. 11.
Brenn, Carl W., Montclair, assignor to Autographic Register Company, Hoboken, N. J. Manifolding. 1,821,905; Sept. 1.

Brenn, Carl W., Montclair, assignor to Autographic Register Company, Hoboken, N. J. Manifolding. 1,834,138; Dec. 1.
Brennan, Charles T., Waterbury, Conn. Hopper feed. 1,803,993; May 5.
Brennan, Edward J., Harrisburg, Pa., assignor to Nasalets Inc., New York, N. Y. Nasal pellet. 1,804,670; May 12.
Brennan, Gerald L., Detroit, Mich., assignor to Phillips Petroleum Company, Bartlesville, Okla. Gas burner equipment. 1,837,105; Dec. 15.
Brennan, Harry, and B. H. Wilding, assignors to C. A. Dunham Company, Marshalltown, Iowa. Packingless expansion member. 1,830,780; Nov. 10.
Brennan, Henry C., Wickford, R. I. Flush tank control valve. 1,804,857; May 12.
Brennan, John C. (See Smith, Albert E., assignor.)
Brennan, Joseph H. Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Removing arsenic from ores. 1,790,088; Jan. 27.
Brennan, Leo J. (See Boyer, Joseph, assignor.)
Brennan, Mary C. (See Lynch, Thomas J., assignor.)
Brennan, Patrick J., Tuxedo Park, N. Y. Ice-cream-freezer attachment. 1,790,365; Jan. 27.
Brennan, Rose M. (See Ferris, W. C., and Brennan.)
Brennan, Thomas, assignor to J. I. Case Company, Racine, Wis. Operating device for seeding machines. 1,789,617; Jan. 20.
Brenneis Manufacturing Company. (See Furrer, Samuel S., assignor.)
Brenneis Manufacturing Company. (See Stewart, James S., assignor.)
Brenneman, B. W. (See Palich, Martin B., assignor.)
Brenneman, Rexford B., and W. H. Monaghan, Pittsburgh, Pa. Wheel puller. 1,824,033; Sept. 22.
Brennen, William T., Bridgeport, Pa. Steel strut wheel. 1,819,865; Aug. 18.
Brenner, Benjamin, and E. Haskell, New York, N. Y. Modernistic animal form for automobile radiator fixture, display, or ornamental purposes. Des. 83,843; Apr. 7.
Brenner, Benjamin, and E. Haskell, Brooklyn, N. Y. Modernistic animal form for automobile radiator fixture, display, or ornamental purposes. Des. 83,950; Apr. 21.
Brenner, Benjamin, and E. Haskell, Brooklyn, N. Y. Modernistic animal form for automobile radiator fixture, display, or ornamental purposes. Des. 83,951; Apr. 21.
Brenner, Cameron C., assignor of one-half to H. S. Bain, Rochelle, Ill. Coil winder. 1,787,612; Jan. 6.
Brenner, John H., Nebraska City, Nebr. Dynamic balancer for crank shafts. 1,794,438; Mar. 3.
Brereton, Gilbert. (See Kellett, William P., assignor.)
Bresch, Albert, St. Louis, Mo. Walking figure wheeled toy. 1,813,112; July 7.
Bresch, Albert, St. Louis, Mo. Walking figure wheeled toy. 1,815,287; July 21.
Bresee, La Mar, Los Angeles, assignor to W. M. Murphy Company, Pasadena, Calif. Convertible coupé. 1,796,918; Mar. 17.
Breslauer, A., Inc. (See Weber, Jacob H., assignor.)
Breslauer, Joseph. (See Ullmann, F., Breslauer, and Lie.)
Breslin, John F., jr., Summit Hill, Pa. Combined illuminated sign and wreath support. 1,806,667; May 26.
Bresnahan, William H., Lynn, Mass., assignor to Compo-Shoe Machinery Corporation, New York, N. Y. Outer sole and preparing the same. 1,824,654; Sept. 22.
Bressler, Louis S., Chicago, Ill. Dough raising chamber. 1,831,478; Nov. 10.
Bressler, Robert E., Hammond, and D. V. Moses, assignors to Graves Corporation, East Chicago, Ind. Filter tank 1,822,689; Sept. 8.
Breth, Max. (See Haister, Aaron, assignor.)
Bretherton, Francis J. (See Bell, W. T., and Bretherton.)
Brett, Henry E., Los Angeles, Calif. Continuous pressure cooker and cooler. 1,836,641; Dec. 15.
Brettler, Harry, Brooklyn, assignor to Ideal Lighting Novelty Co., New York, N. Y. Lamp or article of analogous nature. Des. 83,304; Feb. 17.
Bretz, Geordis F. (See Boylan, H. S., and Bretz.)
Breuer, Adam A., Chicago, Ill. Blackboard-eraser cleaner. 1,792,570; Feb. 17.
Breuer, Adam A., Chicago, Ill. Spraying unit. 1,804,589; May 12.
Breuer, Adam A., Chicago, Ill. Sprayer. 1,806,784; May 26.
Breuer, Fred, Chicago, Ill. Adjustable curtain holder. 1,817,962; Aug. 11.
Breuil, Emmanuel, Paris, assignor to Etablissements Phillips & Pain, Société Anonyme, Paris, France. Water softener. 1,834,045; Dec. 1.
Brevetti S. A. Italiani Esteri S. A. B. I. E. (See Compare, Manrico, assignor.)
Brewbaker, Milo W., Chicago, Ill. Stilt. 1,815,544; July 21.
Brewer, Alice L., East Hartford, Conn. Keyhole guard. 1,811,742; June 23.
Brewer, Chas. A., & Sons. (See Brewer, Nelson C., assignor.)
Brewer, Claire N., Huntington, W. Va. Attachment for typographical machines. 1,803,063; Apr. 28.
Brewer, Edward G., Teddington, England. Machine for cleaning golf and other balls. 1,792,211; Feb. 10.
Brewer, Everett C., jr., Oak Park, Ill. Race game. 1,822,873; Sept. 15.
Brewer, Everett C., Los Angeles, Calif. Kitchen appliance machine. 1,823,314; Sept. 15.
Brewer, Nelson C., assignor to Chas. A. Brewer & Sons, Chicago, Ill. Game board. 1,834,572; Dec. 1.
Brewer-Titchener Corporation, The. (See Bishop, William K., assignor.)
Brewer Titchener Corporation. (See Card, Charles S., assignor.)
Brewer-Titchener Corporation, The. (See Johannsen, Udo, assignor.)
Brewer-Titchener Corporation, The. (See Miller, Robert W., assignor.)
Brewer-Titchener Corporation. (See Wenn, Floyd D., assignor.)
Brewer-Titchener Corporation, The. (See Wenn, L. A., and Bishop, assignors.)
Brewer-Titchener Corporation, The. (See Winans, Daniel M., assignor.)
Brewitt, Walter, Copenick, Germany. Mold for aluminothermic welding. 1,793,047; Feb. 17.
Brewster, Bryan W., Fullerton, Calif. Brake construction for draw works. 1,816,310; July 28.
Brewster, Charles H., Middletown, Conn. Windshield warmer. 1,793,584; Feb. 24.
Brewster, Oswald C., Casper, Wyo., assignors to Standard Oil Company, Whiting, Ind. Bubble tower construction. 1,822,609; Sept. 8.
Brewster, Oswald C., and W. M. Perry, Casper, Wyo., assignors to Standard Oil Company, Whiting, Ind. Treating hydrocarbon oils. 1,830,925; Nov. 10.
Brewster, Rouse K., Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Blasting cap. 1,835,753; Dec. 8.
Brewster, William D., Syracuse, assignor to National Brake Company Incorporated, Buffalo, N. Y. Ratchet action for car brake-operating mechanism. 1,832,805; Nov. 17.
Brewton, Martha J., et al. (See Yeager, Virgil E., assignor.)
Brey, Harold E., assignor to Koehring Company, Milwaukee, Wis. Slack-take-up and dipper-tripping mechanism for excavating apparatus. 1,797,224; Mar. 24.
Breyer, Frank G., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Reduction of zinciferous material. 1,811,910; June 30.
Breyer, Frank G., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Apparatus for reducing zinciferous materials. 1,832,354; Nov. 17.
Breyer, Frank G., New Castle, assignor, by mesne assignments, to Krebs Pigment & Color Corporation, Wilmington, Del. Soft textured lithopone. 1,832,355; Nov. 17.
Breyer, Frank G., New Castle, Del., assignor to The New Jersey Zinc Company, New York, N. Y. Reducing zinciferous materials. 1,832,356; Nov. 17.
Brezin, Joseph, assignor to Philadelphia Ice Cream Cone Machinery Company, Philadelphia, Pa. Ice-cream disher. 1,789,065; Jan. 13.
Bricard, Roger, assignor to Société Anonyme Francaise Dite: Bricard, Ancienne Maison Sterlin, Paris, France. Irreversible rotary power transmission system. 1,804,310. May 5.
Brice, Stephen H., South Orange, N. J., assignor to Wm. Anderson Textile Mfg. Co., Inc., New York, N. Y. Fabric for curtains. 1,827,278; Oct. 13.
Brice, Thomas R., Durham, Calif. Power lift orchard plow. 1,830,422; Nov. 3.
Bricken, John, Los Angeles, assignor of one-half to Regan Forge & Engineering Company, San Pedro, Calif., and one-half to E. F. Britten, jr., Maplewood, N. J. Safety device for rotating shafts and load indicators. 1,789,862; Jan. 20.
Bricken, John, assignor to Monroe Calculating Machine Company, Orange, N. J. Keyboard for calculating machines. 1,801,484; Apr. 21.
Bricker, Carl H., Des Moines, Iowa. Smoking-tobacco container. 1,789,577; Jan. 20.
Brickman, Allen E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Take-up mechanism for looms. 1,807,726; June 2.
Bridenbaugh, Elmer H. (See Herman, C., and Bridenbaugh.)
Bridge, Ellis H., Akron, Ohio, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Hydrometer syringe. 1,790,696; Feb. 3.
Bridgeport Brass Company. (See Brown, Gregory, assignor.)
Bridgeport Brass Company. (See Oakley, Erastus G., assignor.)
Bridgeport Brass Company. (See Yanss, George W., assignor.)
Bridgeport City Trust Co., executor. (See Lyhne, Anker S.)
Bridgeport City Trust Co., The, executor. (See Lyhne, Anker S.)
Bridgeport Hardware Manufacturing Corporation, The. (See Keating, A. E., and Anderson, assignors.)
Bridgeport Hardware Manufacturing Corporation. (See Platt, Arthur I., assignor.)
Bridgeport Machine Company, The. (See Swan, Fred, assignor.)
Bridgeport Metal Goods Manufacturing Company, The. (See Fullmer, Giles C., assignor.)

Bridgeport Metal Goods Manufacturing Company. (See Lyhne, Anker S., assignor.)
Bridgeport Switch Co., The. (See Engstrom, Henry O., assignor.)
Bridges, Edward G. (See Lynch, J. W., and Bridges.)
Bridges, Herbert C., Springfield, Mo. Card game. 1,791,708; Feb. 10.
Bridges, Lewis B., Brooklyn, assignor, by mesne assignments, to Dardelet Threadlock Corporation, New York, N. Y. Screw-thread coupled member. 1,828,856; Oct. 27.
Bridgham, Barton C., San Francisco, Calif. Percolator. 1,824,763; Sept. 29.
Bridgman, Percy W., Cambridge, Mass. Crystals and their manufacture. 1,793,672; Feb. 24.
Bridgwater, Ernest R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rubber product and preparing the same. 1,822,561; Sept. 8.
Bridgwater Machine Company, The. (See Mason, Freeman D., assignor.)
Bridsboro Steel Foundry and Machine Company. (See Martin, Mark H., assignor.)
Bridwell, Huxley C. (See Bridwell, Louis H. and H. C.)
Bridwell, Louis H., and H. C. Bridwell, assignors of one-half to Robert E. Hagood, Dumas, Ark. Fender and body roller. 1,802,232; Apr. 21.
Briechle, Ambrosius, assignor to Fairchild Aerial Camera Corporation, New York, N. Y. Aerial camera control mechanism. 1,821,492; Sept. 1.
Briechle, Ambrosius, assignor to Fairchild Aerial Camera Corporation, New York, N. Y. Camera magazine. 1,835,457; Dec. 8.
Briede & Rogovsky. (See Kent, Owen, assignor.)
Briegel, Theodore, Rock Island, Ill. Electrical slip-in connecter. 1,787,774; Jan. 6.
Briele, August K. and R. H., Baltimore, Md. Loose leaf binder clamp. 1,807,504; May 26.
Briele, Robert H. (See Briele, A. K. and R. H.)
Brierly, Laurence L., et al. (See Woods, Robert G., assignor.)
Brierton, Benjamin E., Birmingham, Ala. Ophthalmological method and apparatus. 1,833,482; Nov. 24.
Briesewitz, Kurt. (See Schleicher, F., Schwaebel, and Briesewitz.)
Brigel, Leo A., Cheviot, Ohio. Container and lid. 1,793,048; Feb. 17.
Briggs, Albert B. and S. E., assignors to The Perfect Hemstitcher Manufacturing Co., Inc., Springfield, Mass. Hemstitching attachment. 1,818,035; Aug. 11.
Briggs, Arthur J., Syracuse, N. Y., assignor to Syracuse Pulverizer Corporation. Pulverizer. 1,801,842; Apr. 21.
Briggs, Burdett B., Chicago, Ill. Carburetor. 1,834,766; Dec. 1.
Briggs, Edward, San Francisco, assignor to W. J. Moran, Fairfax, Calif. Vibrator for molds and dental flasks. 1,805,970; May 19.
Briggs, John F., and C. W. Palmer, Spondon, near Derby, and J. T. Kidd, Eaton, near Norwich, England, assignors to Celanese Corporation of America. Treatment of threads, fabrics, or other materials composed of or containing artificial filaments. 1,808,098; June 2.
Briggs Manufacturing Company. (See Ball, Albert P., assignor.)
Briggs Manufacturing Company. (See Marshall, William, assignor.)
Briggs Manufacturing Company. (See Williams, Clifford J., assignor.)
Briggs, Robert E., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Sand tempering machine. 1,838,805; Dec. 29.
Briggs, Robert W., Pharr, Tex. Road finishing machine. 1,833,387; Nov. 24.
Briggs, Robert W., and J. N. Summers, Pharr, Tex. Subgrading machine. 1,818,457; Aug. 11.
Briggs, Sarah E. (See Briggs, A. B. and S. E.)
Briggs, Stephen F., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Clutch mechanism. 1,804,457; May 12.
Briggs, Stephen F., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,826,649; Oct. 6.
Briggs & Stratton Corporation. (See Briggs, Stephen F., assignor.)
Briggs and Stratton Corporation. (See Coughlin, Charles L., assignor.)
Briggs and Stratton Corporation. (See Fitzgerald, John W., assignor.)
Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)
Brigham, Charles W., Attleboro, Mass., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,971; Jan. 6.
Brigham, Charles W., Attleboro, Mass., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,972; Jan. 6.
Brigham, Charles W., Attleboro, Mass., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,973; Jan. 6.
Brigham, Charles W., Attleboro, Mass., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,974; Jan. 6.
Brigham, Charles W., Attleboro, Mass., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,975; Jan. 6.
Brigham, Cyril A. (See Staunton, L. W., and Brigham.)
Bright, Claude H., Memphis, Tenn. Fountain ink pad. 1,818,531; Aug. 11.
Bright, Claude H., jr., Memphis, Tenn. Inking pad. 1,831,651; Nov. 10.
Bright, Claude H., jr., Memphis, Tenn. Ink pad with reversible plate. 1,837,251; Dec. 22.
Bright, David M., Tellico Plains, Tenn. Combined parasol, vanity case and coin holder. 1,807,868; June 2.
Bright, Hoyt V. (See Phare, Clinton J., assignor.)
Bright, John, Shoe Stores Co., The. (See Stewart, James B., assignor.)
Bright, William H., Ozone Park, N. Y. Golf-bag support. 1,791,188; Feb. 3.
Brightman, Rainald, Blackley, Manchester, assignor to Imperial Chemical Industries Limited, Westminster, England. Dyeing of regenerated cellulose materials. 1,789,134; Jan. 13.
Brightman, Rainald, Blackley, Manchester, assignor to Imperial Chemical Industries Limited, Westminster, England. Manufacture of azo dyes. 1,805,714; May 19.
Brightman, Rainald, Blackley, Manchester, assignor to Imperial Chemical Industries Limited, Westminster, England. Manufacture of azo dyestuffs. 1,805,715; May 19.
Brightman, Rainald, Blackley, Manchester, assignor to Imperial Chemical Industries Limited, London, England. Manufacture of diazo dyes. 1,812,290; Sept. 1.
Brightman, Rainald, Blackley, Manchester, assignor to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of azo dyestuffs. 1,821,255; Sept. 1.
Brightman, Rainald, and P. Chorley, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited, Manchester, England. New azo dyestuffs and their application. 1,821,256; Sept. 1.
Brightman, Rainald, and P. Chorley, assignors to British Dyestuffs Corporation, Limited, Blackley, Manchester, England. Manufacture of azo dyestuffs. 1,821,257; Sept. 1.
Brightman, Rainald, and P. Chorley, assignors to British Dyestuffs Corporation, Limited, Blackley, Manchester, England. Manufacture of dyed products. 1,821,291; Sept. 1.
Bright Star Battery Company, The. (See Buchholz, Max E., assignor.)
Brightwell, Walter J., Kilgore, Tex. Air compressing machine. 1,815,828; July 21.
Briles, John C., Ottawa, Kans. Steel guard cage. 1,817,874; Aug. 4.
Brill, Abraham, assignor to The Republic Rubber Company, Youngstown, Ohio. Rubber tire and analogous article of manufacture. 1,806,838; May 26.
Brill, Alfred P., assignor to Ruud Manufacturing Company, Pittsburgh, Pa. Water heater. 1,828,023; Oct. 20.
Brill, Harry C., Newark, N. J. Bake pan. 1,836,306; Dec. 15.
Brill, Harvey C., Cambridge, Mass. Local Anæsthetic. 1,817,670; Aug. 4.
Brill, J. G., Company, The. (See Adams, Walter S., assignor.)
Brill, J. G. Company, The. (See Deal, Edwin T., assignor.)
Brill J. G., Company, The. (See Hubbard, Rowland, assignor.)
Brill, J. G., Company, The. (See Latshaw, Elmer, assignor.)
Brill, J. G., Company, The. (See Parsons, Richard D., assignor.)
Brill, J. G., Company, The. (See Thomas, Cyril, assignor.)
Brillié, Jean. (See Lebrun, M., and Brillié.)
Brillo Manufacturing Company. (See Field, Crosby, assignor.)
Brimer, Robert F., Washington, D. C. Apparatus for handling articles for coating. 1,809,190; June 9.
Brimhall, Lee H., Jacksonville, Fla. Surf sled. 1,829,471; Oct. 27.
Brincil, Joseph, Reading, Pa. Bushing bearing and making it. 1,815,344; July 21.
Brincil, Joseph, Reading, Pa. Making partially lined bearings. 1,828,731; Oct. 27.
Brindle, Robert, jr. (See De Puy, C., and Brindle.)
Brindle, Robert, jr., West Orange, N. J., assignor to Westinghouse Lamp Company. Grid winding machine. 1,807,892; June 2.
Brindle, Robert, jr., Edgewood, R. I., assignor to Westinghouse Lamp Company. Machine for stretching coils. 1,830,222; Nov. 3.
Brindley, George F., New York, N. Y., assignor to Metal Chlorides Corporation. Manufacturing anhydrous aluminum chloride. 1,818,839; Aug. 11
Brindley, Stephen, Cullman, Ala. Animal trap. 1,793,356; Feb. 17.
Brindley, William E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Grid bias battery. 1,801,843; Apr. 21.
Brindley, William E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Safety device. 1,827,779; Oct. 20.
Briney, Ottis R., Pontiac, Mich. Gauge device. 1,809,547; June 9.
Briney, Perry G., Torrance, Calif. Lineman's protector. 1,836,572; Dec. 15.

Bring, Einar J., Franklin, Pa., assignor to Franklin Rail way Supply Company. Railway booster. 1,805,071 May 12.
Bringardner, Martin P., St. Louis, Mo. Arch support 1,819,539; Aug. 18.
Brink, Carl A., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,799.153; Apr. 7.
Brinker, Frederic A., San Francisco, Calif. Producing fumed zinc oxide from zinc sulphate solution. 1,838,359; Dec. 29.
Brinkerhoff, Archibald R., Los Angeles, Calif. Safety lock for firearms. 1,807,727; June 2.
Brinkerhoff, Josiah. (See Hunn, John T., assignor.)
Brinner, Fred, Mason City, Ill. Rope dispenser. 1,824,007; Sept. 22.
Brintnall, Frank W., and F. N. Ross, Detroit, Mich., assignors, by mesne assignments, to National Automotive Fibres, Inc., Wilmington, Del. Upholstery machine. 1,825,573; Sept. 29.
Brinton, Cecil C., assignor of one-half to Brintons Limited, Kidderminster, England. Tuft cutting mechanism of Axminster carpet and other tufted fabric looms. 1,828,921; Oct. 27.
Brinton, Cecil C., assignor of one-half to Brintons Limited, Kidderminster, England. Jacquard loom for weaving pile carpets. 1,835,555; Dec. 8.
Brintons Limited. (See Brinton, Cecil C., assignor.)
Briquet Engineering Company. (See Willard, Robert E., assignor.)
Brisache, Irene F., New York, N. Y. Catamenial sack. 1,799.147; Apr. 7.
Brisbon, William W., New Philadelphia, Ohio. Sharpener for shears and scissors blades. 1,817,506; Aug. 4.
Briscoe, Bertram A., Chicago, Ill. Incense burner. 1,801,538; Apr. 21.
Briscoe, James, Ashland, Ky., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Starching machine. 1,837,527; Dec. 22.
Briskin, Sam, assignor to Excel Auto Radiator Company, Chicago, Ill. Radiator. 1,789,963; Jan. 27.
Briskman, Philip. (See Pratt, Archibald J., assignor.)
Brislee, Francis J., Huyton, Lancashire, assignor to British Insulated Cables Limited, Prescot, Lancashire, England. Insulation of electric wires and cables. 1,795,994; Mar. 10.
Bristol Aeroplane Company Limited, The. (See Pollard, Harold J., assignor.)
Bristol, Carlton W., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Adjustable anchoring fitting for thermometer bulbs. 1,828,170; Oct. 20.
Bristol Company, The. (See Borden, Perry A., assignor.)
Bristol Company, The. (See Bristol, Carlton, W., assignor.)
Bristol Company, The. (See Derr, Thomas S., assignor.)
Bristol Company, The. (See Seely, Glenn H., assignor.)
Bristol, Cyrus J., assignor to Globe Machinery & Supply Company, Des Moines, Iowa. Wheel stop device for automobile lifts. 1,796,557; Mar. 17.
Bristol, Cyrus J., assignor to Globe Machinery & Supply Company, Des Moines, Iowa. Safety latch device. 1,824,866; Sept. 29.
Bristol, Cyrus J., assignor to Globe Machinery & Supply Company, Des Moines, Iowa. Safety latch for automobile lifts. 1,827,966; Oct. 20.
Bristol, Edgar H., assignor to The Foxboro Company, Foxboro, Mass. Controlling mechanism. 1,805,971; May 19.
Bristol, Edgar H., assignor to The Foxboro Company, Foxboro, Mass. Recording instrument. 1,811,417; June 23.
Bristol, Edward S., assignor to Leeds & Northrup Company, Philadelphia, Pa. Control system. 1,827,351; Oct. 13.
Bristol, Edward S., assignor to Leeds & Northrup Company, Philadelphia, Pa. Control system. 1,827,417; Oct. 13.
Bristol, Franklin B. (See Bristol, William H. and F. B.)
Bristol, Wm. H., Talking Picture Corporation. (See Bristol, William H. and F. B., assignors.)
Bristol, Wm. H., Talking Picture Corporation. (See Garrigus, Clarence G., assignor.)
Bristol, William H. and F. B., assignors, by mesne assignments, to Wm. H. Bristol Talking Picture Corporation, Waterbury, Conn. Cone type loud speaker. 1,809,578; June 9.
Bristow, James H., Evansville, Ind. Curb service device, 1,826,047; Oct. 6.
Bristow, Thomas H. (See Hill, M. G., and Bristow.)
Britesun, Inc. (See Hjelm, Albin, assignor.)
British American Silk Mills Limited. (See Nicely, George W., assignor.)
British-American Tobacco Company. (See Crolard, Jacques F. M., assignor.)
British-American Tobacco Company. (See Gilliam, James D., assignor.)
British Cotton Industry Research Association, The. (See Nuttal, T., and Shorter, assignors.)
British Dyestuffs Corporation Limited. (See Baddiley, J. Shepherdson, and Hallwood, assignors.)
British Dyestuffs Corporation Limited. (See Baddiley, J., and Chapman, assignors.)
British Dyestuffs Corporation Limited. (See Brightman, Rainald, assignor.)
British Dyestuffs Corporation, Limited. (See Brightman, R., and Chorley, assignors.)
British Dyestuffs Corporation Limited. (See Hallwood Anthony J., assignor.)
British Dyestuffs Corporation Limited. (See Hallwood, A. J., and Shepherdson, assignors.)
British Dyestuffs Corporation Limited. (See Tatum, William W., assignor.)
British Dyestuffs Corporation Limited. (See Thornley, Sidney, assignor.)
British Electrical and Allied Industries Research Association. (See Whitney, W. B., and Wedmore.)
British Insulated Cables Limited. (See Astley, John, assignor.)
British Insulated Cables Limited. (See Brislee, Francis J., assignor.)
British Insulated Cables Limited. (See Bullock, Thomas W., assignor.)
British Maxium Company Limited. (See Jessup, Alfred C., assignor.)
British Metallic Packings Company (1929) Limited. (See Jones, George F., assignor.)
British Metallising Company Limited. (See Warren, Albert I. G., assignor.)
Britt, James E., Washington, D. C., assignor to Westinghouse Electric & Manufacturing Company. Thermostatic switch. 1,823,345; Sept. 15.
Brittain, Buna A., Los Angeles, Calif. Clamp rod assembly. 1,836,524; Dec. 15.
Brittain, Gustavus O., Canton, Ohio. Air-cooled engine. 1,800,927; Apr. 14.
Brittain, Harold A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Pneumatic tire tread. 1,797,187; Mar. 17.
Brittain, Richard J., jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal-box car-frame construction. 1,797,043; Mar. 17.
Brittain, Richard J., jr., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal box. 1,807,026; May 26.
Brittain, Richard J., jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Car frame support and journal box. 1,823.884; Sept. 22.
Brittain, Richard J., jr., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Controlling mechanism. 1,835.458; Dec. 8.
Brittain, Richard J., jr., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Feeler control gauge. 1,835,459; Dec. 8.
Britten, Chancy J., Charlotte, assignor to Britten Light & Power Company, Lansing, Mich. Radio apparatus. 1,826,727; Oct. 13.
Britten, E. F., jr., et al. (See Bricken, John, assignor.)
Britten, Edwin F., jr., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,793,155; Feb. 17.
Britten, Edwin F., jr., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,801,902; Apr. 21.
Britten, Edwin F., jr., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Attachment for calculating machines. 1,807,192; May 26.
Britten, Edwin F., jr., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,811,607; June 23.
Britten, Edwin F., jr., Maplewood, and L. R. Brown, East Orange, assignors to Monroe Calculating Machine Company, Orange, N. J. Attachment for calculating machines. 1,817,916; Aug. 11.
Britten Light & Power Company. (See Britten, Chancy J., assignor.)
Brittingham, J. G. (See Blanchard, George L., assignor.)
Britton, Edgar C. (See Hale, W. J., and Britton.)
Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Purification of halogenated hydrocarbons. 1,804,458; May 12.
Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Preparation of aliphatic acid chlorides. 1,805,162; May 12.
Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Making metal alkyl compounds. 1,805.756; May 19.
Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Acetyl-3-phenyl-salicylic acid. 1,812,856; July 7.
Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Purification of arylamines. 1,823,024; Sept. 15.
Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Purification of arylamines. 1,823,025; Sept. 15.
Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Purifying a phenol by distillation. 1,824,867; Sept. 29.
Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Purification of ortho-phenylphenol. 1,835.755; Dec. 8.
Britton, Edgar C., assignor to The Dow Chemical Company, Midland, Mich. Preparation of ortho- and para-hydroxy diphenyl. 1,836,307; Dec. 15.
Britton, Edgar C., and H. R. Slagh, assignors to The Dow Chemical Company, Midland, Mich. Making phenol ethyl ethers. 1,801,901; Apr. 21.

Britton, Edgar C., and H. R. Slagh, assignors to The Dow Chemical Company, Midland, Mich. Separation of cuprous and ammonium chloride. 1,814,822; July 14.
Britton, Edgar C., and W. C. Stoesser, assignors to The Dow Chemical Company, Midland, Mich. Halogenation of multinuclear aromatic hydrocarbons. 1,835,754; Dec. 8.
Britton, Edgar C., and W. H. Williams, assignors to The Dow Chemical Company, Midland, Mich. Making methyl arylamines. 1,793,993; Feb. 24.
Britton, Edgar C. and W. H. Williams, assignors to The Dow Chemical Company, Midland, Mich. Making dimethyl aniline. 1,794,057; Feb. 24.
Britton, Edgar C., W. H. Williams, and M. E. Putnam, assignors to The Dow Chemical Company, Midland, Mich. Purification of arylamines. 1,823,026; Sept. 15.
Britton, George G., Anniston, Ala. Roofing joint. 1,808,286; June 2.
Britton, Robert, Halifax, England. Jacquard for looms for weaving Brussels carpets and like fabrics. 1,797,069; Mar. 17.
Brixner, Frederick W., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 1,824,117; Sept. 22.
Broad, William, Beaver Falls, assignor of three-fourth to H. E. McLain, Pittsburgh, Pa. Indicator for pastries and the like. 1,807,146; May 26.
Broad, William, Beaver Falls, Pa., assignor to H. E. McLain, Pittsburgh, Pa. Vibrator. 1,833,107; Nov. 24.
Broadbent, Frederick G. (See Willshaw, H., Norcross, and Broadbent.)
Broadbent, Robert J., Maroubra Junction, New South Wales, Australia. Ripening of bananas. 1,817,875; Aug. 4.
Broadbridge, Walter, E. Edser, and W. W. Stenning, London, England, assignors to Minerals Separation North American Corporation, New York, N. Y. Production of coke. 1,824,326; Sept. 22.
Broadmeyer, Albert, assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa. Extension-sheet-delivery mechanism. 1,801,136; Apr. 14.
Broadmeyer, Albert, assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa. Sheet feeding mechanism. 1,810,751; June 16.
Broadmeyer, Albert, assignor to W. C. Hickok Manufacturing Company, Harrisburg, Pa. Sheet mounting apparatus. 1,823,876; Sept. 22.
Broadwater, Walter F., Orlando, Fla. Device for closing casement windows. 1,811,575; June 23.
Broadwell, Halvor S., and S. T. Thorpe, assignors to The Horton Manufacturing Company, Bristol, Conn. Fishing reel. 1,819,724; Aug. 18.
Broadwell, Howard, Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Adapter. 1,809,887; June 16.
Broadwell, William C., Brooklyn, N. Y. Vehicle cushioning or shock absorbing device. 1,819,455; Aug. 18.
Broadwell, William C., Brooklyn, assignor, by mesne assignments, to J. F. Henningsen, Eastport, Long Island, N. Y. Container. 1,814,785; July 14.
Broadwick, Charles, San Francisco, Calif. Parachute. 1,802,325; Apr. 28.
Broadwick, Charles, San Francisco, Calif. Parachute. 1,832,180; Nov. 17.
Broadwin, Sampson, Brooklyn, N. Y. Pattern mechanism for crochet knitting machines. 1,808,882; June 9.
Broadwood, John, & Sons Limited. (See Collen, Robert H., assignor.)
Brobst, David R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulated conductor. 1,808,520; June 2.
Brobst, John E., Schenectady, N. Y., assignor to General Electric Company. Electric clock. 1,797,044; Mar. 17.
Brocato, Vincent, Memphis, Tenn. Ventilator. 1,808,128; June 2.
Broch, Friedrich, Vienna, Austria, assignor to Tannwalder Baumwollspinnfabrik, Tannwald, Czechoslovakia. High-draft system for spinning machines. 1,794,578; Mar. 3.
Broch, Friedrich, Vienna, Austria, assignor to Tannwalder Baumwollspinnfabrik, Tannwold, Czechoslovakia. Driving mechanism for rotating shafts at variable speeds. 1,809,469; June 9.
Broche, Léon J., Verrieres-Le-Buisson, France, assignor to Tropenas Company, New York, N. Y. Method and apparatus for use in the manufacture of glassware. 1,806,445; May 19.
Brochu, John B., and M. Shribman, Salem, Mass. Top-spinning device. 1,789,511; Jan. 20.
Brochu, Michael, Grand Rapids, Mich., assignor to Despres Dowel Mfg. Co., Grand Rapids, Mich. Dowel-cutting machine. 1,792,571; Feb. 17.
Brock, Clarence S., Youngstown, Ohio. Article and making the same. 1,817,174; Aug. 4.
Brock, Denis T. (See Boughton, E. B., Emmett, Brock, and Burdon.)
Brock, Edward J., St. Louis, Mo. Water purifier. 1,794,395; Mar. 3.
Brock, Edward J., St. Louis, Mo. Water purifier. 1,794,396; Mar. 3.
Brock, Frank E. (See Blankenship, E. P., and Brock.)
Brock, Frank P. (See Redman, L. V., Weith, and Brock.)
Brock, Harry, Stamford, Conn. Recording system. 1,834,200; Dec. 1.
Brock, Hugo, Berlin, Germany. Boat. 1,792,140; Feb. 10.
Brock, John D., Kansas City, Mo. Bridge member for an ophthalmic mounting. Des. 84,395; June 16.
Brock, William R., Salem, Ill. Ice-card holder. 1,797,220; Mar. 24.
Brockaw, Charles A., Scotia, N. Y., assignor to General Electric Company. Instrument-control means. 1,792,272; Feb. 10.
Brockelsby, Ralph A., Cleveland, Ohio. Toothbrush. 1,803,497; May 5.
Brockett, Bluford W., et al. (See Case, Francis M., assignor.)
Brockett, Bluford W., Cleveland Heights, assignor to The Gilkey Printing Company, Cleveland, Ohio. Envelope. 1,827,507; Oct. 13.
Brockett, Bluford W., and E. L. Hyde, Cleveland Heights, assignors to E. E. Allyne, Cleveland, Ohio. Refrigerating-control mechanism. 1,788,942; Jan. 13.
Brockhaus, Paul, jr., Oesterau, Westphalia, Germany. Vise. 1,811,299; June 23.
Brockman, Robert, H., St. Petersburg, Fla. Lathe tool holder. 1,839,139; Dec. 29.
Brockschmidt, Frederick P., Quincy, Ill. Tongs. 1,813,695; July 7.
Brockway, Carl P. (See Arbuckle, S. F., and Brockway.)
Brockway, Carl P., Ridgewood, assignor to World Bestos Corporation, Paterson, N. J. Process and apparatus for plating wire. 1,803,691; May 5.
Brockway, Carl P., Paterson, N. J., assignor, by mesne assignments, to The Tillotson Manufacturing Company, Toledo, Ohio. Muffler. 1,829,977; Nov. 3.
Brockway, George G., Warren, Pa., assignor to Nichols Copper Company, New York, N. Y. Glass melting-preheater and mixer. 1,815,890; July 28.
Brockway, Murillo M., Burbank, Calif. Four-wheel rear drive chassis. 1,817,028; Aug. 4.
Brockway, Willard H., assignor to MacGregor Instrument Company, Needham, Mass. Syringe. 1,798,116; Mar. 24.
Brockway, Willard H., assignor to MacGregor Instrument Company, Needham, Mass. Syringe. 1,798,117; Mar. 24.
Brockway, William A., Marietta, Whatcom County, Wash. Horn for radio speakers. 1,807,027; May 26.
Brodbeck, Almer H. (See Stockstrom, A., and Brodbeck.)
Brodbeck, Almer H., assignor to American Stove Company, St. Louis, Mo. Range. Des. 85,609; Nov. 24.
Brodbeck, Almer H., assignor to American Stove Company, St. Louis, Mo. Set of range doors. Des. 85,610; Nov. 24.
Brode, Johannes, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of aluminum chloride free from iron. 1,837,199; Dec. 22.
Brode, Johannes, and C. Wurster, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Anhydrous metal chlorides and hydrogen chloride. 1,809,158; June 9.
Broden, Edwin N., Roxbury, Mass. Centering device for lathes. 1,824,769; Sept. 29.
Broder, Reuben, New York, N. Y. Picture hanger. 1,808,521; June 2.
Broder, Reuben, New York, N. Y. Automobile hand grip. 1,822,881; Sept. 15.
Broderick, Frank W. (See Gollnick, P. A., and Broderick.)
Broderick, Frank W. (See Gollnick, P. A., Broderick, and Emde.)
Broderick, Frank W. (See Gollnick, P. A., Broderick, and Slupkowski.)
Broderick, Frederick W., Oakland, Calif. Treating fibrous materials. 1,792,805; Feb. 17.
Brodersen, Karl. (See Marx, K., Behncke, and Brodersen.)
Brodersen, Karl. (See Wesche, H., Brodersen, and Ext.)
Brodersen, Karl, and W. Ext, Dessau in Anhalt, Germany, assignor, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. Animal dip. 1,789,668; Jan. 20.
Brodersen, Max M., Monterey Park, E. H. Babel, Alhambra, and C. R. Rogers, Los Angeles, Calif., assignors to Killefer Manufacturing Corporation. Offset disk harrow. 1,831,947; Nov. 17.
Brodie, Ralph N., Company. (See Granberg, Albert J., assignor.)
Brodie, William M., administrator. (See Kelly, Loomis L.)
Brodnax, Clarence M., and J. Loizzo, Brooklyn, N. Y. Electric heating unit. 1,797,712; Mar. 24.
Brodsky, Gregory, London, Ontario, assignor of one-half to The Canada Valve & Hydrant Company, Ltd., Brantford, Ontario, Canada. Four corner box staying machine. 1,834,201; Dec. 1.
Brodsky, Julius, Chicago, Ill. Smoke indicator. 1,787,436; Jan. 6.
Brodt, Hektor, Zuchwil, near Solothurn, assignor to Scintilla Aktiengesellschaft, Solothurn, Switzerland. Reversing switch. 1,804,086; May 5.
Broe, Edgar P., New York, N. Y., assignor to American Telephone and Telegraph Company. Overflow jack circuit. 1,836,106; Dec. 15.
Broecker, Lewis C., assignor to The Firestone Steel Products Company, Akron, Ohio. Valve-making machine. 1,794,143; Feb. 24.
Broeg, William E., Chicago, Ill., assignor to Doughnut Machine Corporation, New York, N. Y. Process and apparatus for preparing food products. 1,821,689; Sept. 1.

Broeker, John F., Cleveland, Ohio, assignor, by mesne assignments, to Krebs Pigment & Color Corporation, Wilmington, Del. Preparation of lithopone-oil pulp or paint mixtures. 1,832,476; Nov. 17.
Broekhuysen, William C., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Pressure regulating means. 1,824,389; Sept. 22.
Brofelth, Gustaf E. (See Bladh, S. G., and Brofelth.)
Brogan, Michael F., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Inserting fastenings. 1,804,396; May 12.
Brogan, Michael F., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 1,804,397; May 12.
Brogan, Michael F., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Patterson, N. J. Shoe and shank stiffener therefor. 1,811,911; June 30.
Brogden, Ernest M., assignor to Brogdex Company, Winter Haven, Fla. Preserving fresh fruits. 1,827,219; Oct. 13.
Brogden, Ernest M., Santa Monica, and M. L. Trowbridge, Palms, Calif., assignors to Brogdex Company, Winter Haven, Fla. Preparation of fresh fruit for market. 1,794,346; Feb. 24.
Brogden, Ernest M., Santa Monica, and M. L. Trowbridge, Palms, Calif., assignors to Brogdex Company, Winter Haven, Fla. Preparation of fresh fruit for market. 1,795,275; Mar. 3.
Brogden, Ernest M., Santa Monica, and M. L. Trowbridge, Palms, Calif., assignors to Brogdex Company, Winter Haven, Fla. Composition for preservative treatment of fresh fruit. 1,809,016; June 9.
Brogden, Joah, Melrose Park, assignor to David Lupton's Sons Company, Philadelphia, Pa. Cabinet. Re18,293; Dec. 22.
Brogden, Joah, Melrose Park, assignor to David Lupton's Sons Company, Philadelphia, Pa. Metallic partitioning. 1,813,873; July 7.
Brogden, Joah, Melrose Park, Pa., assignor to David Lupton's Sons Company, Philadelphia, Pa. Radiator hanger means. 1,836,573; Dec. 15.
Brogdex Company. (See Brogden, Ernest M., assignor.)
Brogdex Company. (See Brogden, E. M., and Trowbridge, assignors.)
Brogdex Company. (See Skinner, Bronson C., assignor.)
Broge, Adolph A. (See Brosius, G. A., and Broge.)
Brogelli, Guido, Los Angeles, Calif. Aeroplane with detachable body. 1,797,713; Mar. 24.
Brogger. Ivar W., Irvington, N. J. Engine oil-level-indicator mechanism. 1,796,919; Mar. 17.
Brogie, Richard S., assignor to Brogie Window Corporation, Chicago, Ill. Window construction. 1,826,121; Oct. 6.
Brogie, Richard S., assignor to Brogie Window Corporation, Chicago, Ill. Window construction. 1,826,122; Oct. 6.
Brogie Window Corporation. (See Brogie, Richard S., assignor.)
Brogmus, Ernest, administrator. (See Sherer, Frank G.)
Broido, Benjamin, deceased, by The Superheater Company, New York, N. Y., assignee. Radiant superheater. Re18,082; May 26.
Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. Operating oil stills. 1,794,439; Mar. 3.
Broido, Benjamin N., assignor to The Superheater Company, New York, N. Y. Method and apparatus for heating fluids. 1,803,054; Apr. 28.
Broillet, Jean B., Brooklyn, N. Y., assignor of one-third to I. Rosenthal and one-third to S. Hirschhorn. Saw. 1,789,804; Jan. 20.
Brokaw, De Witt P., North Plainfield, N. J. Golf tee. 1,807,377; May 26.
Broluska, Amel B., Detroit, Mich. Aeroplane. 1,826,048; Oct. 6.
Bromberg, August, Wauwatosa, assignor of one-half to Enos L. Dillon, Milwaukee, Wis. Cutter for vegetables and fruits. 1,811,743; June 23.
Bronander, Wilhelm B., Montclair, N. J. Apparatus for treating textile material. 1,790,132; Jan. 27.
Bronander, Wilhelm B., Montclair, N. J. Method of and apparatus for finishing cloth. 1,797,754; Mar. 24.
Bronander, Wilhelm B., Montclair, N. J. Roller bearing and mounting therefor. 1,800,246; Apr. 14.
Bronander, Wilhelm B., Montclair, N. J. Fire extinguisher. 1,808,154; June 2.
Bronander, Wilhelm B., Montclair, N. J. Fire extinguisher. 1,813,910; July 14.
Bronander, Wilhelm B., Montclair, N. J. Fire extinguisher and support therefore. 1,816,892; Aug. 4.
Bronander, Wilhelm B., Montclair, N. J. Fire extinguisher support. 1,816,893; Aug. 4.
Bronander, Wilhelm B., Montclair, N. J. Fire extinguisher support. 1,817,231; Aug. 4.
Bronander, Wilhelm B., Montclair, N. J. Fire extinguisher. 1,838,655; Dec. 29.
Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Cigarette collector. 1,790,404; Jan. 27.
Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Pan greasing machine. 1,810,943; June 23.
Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Hot and cold cigarette rod sealer. 1,810,944; June 23.
Bronander, Wilhelm B., Montclair, assignor to Scandia Manufacturing Company, Newark, N. J. Thermostatic switch control mechanism. 1,819,834; Aug. 18.
Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Duplex wrapping machine. 1,824,390; Sept. 22.
Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Cigarette rod drive for cigarette machines. 1,824,391; Sept. 22.
Bronander, Wilhelm B., Montclair, N. J., and P. M. Nejedly, Brooklyn, N. Y., assignors to American Machine & Foundry Company. Cigarette rod former and paster. 1,824,392; Sept. 22.
Bronkessel, Martha, administratrix. (See Breitling, E., Brauer, Lehmann, and Bornkessel.)
Bronn, Jegor I., Berlin-Charlottenburg, and G. Fischer, Oberhausen, Germany; said Fischer assignor to said Bronn. Manufacturing nitrates. 1,809,191; June 9.
Bronson, Budd, Lakewood, assignor to The Ohio Rubber Company, Cleveland, Ohio. Rubber covered article and producing same. 1,819,147; Aug. 18.
Bronson, Carlos E., assignor to Kewanee Boiler Corporation, Kewanee, Ill. Boiler. 1,791,115; Feb. 3.
Bronson, Oscar A., Minneapolis, Minn. Electrically operated coin controlled mechanism. 1,836,152; Dec. 15.
Bronston, Benjamin E., Plainfield, N. J. Flexible straw hat. 1,791,554; Feb. 10.
Bronston Hat Co. (See Chemidlin, Frederick J., assignor.)
Bronze Grave Marker Co. (See Hager, Frank O., assignor.)
Brook, Fred J. (See Bishop, E. E., and Brook.)
Brook, Frederick, Gilgandra, Australia. Motion-picture-projection apparatus. 1,799,154; Apr. 7.
Brookby, Harry E., Evanston, Ill., and F. J. Gough, Fort Dodge, Iowa, assignors to United States Gypsum Company, Chicago, Ill. Cellular concrete machine 1,818,376; Aug. 11.
Brooke, Arthur O., assignor to General Motors Corporation, Detroit, Mich. Lock washer untangling device. 1,812,468; June 30.
Brooke, Frank W., assignor to W. Swindell & Brothers, Pittsburgh, Pa. Furnace. 1,802,000; Apr. 21.
Brooke, Frank W., assignor to W. Swindell & Brothers. Pittsburgh, Pa. Furnace. 1,802,001; Apr. 21.
Brooke, Frank W., assignor to William Swindell & Brothers, Pittsburgh, Pa. Furnace. 1,807,147; May 26.
Brooke, Gale E., Minneapolis, Minn. Service bottle. Des 85,279; Oct. 6.
Brooke, Gale E., Minneapolis, Minn. Service bottle 1,825,897; Oct. 6.
Brooke, Lloyd A., Washington, D. C. Fountain pen. 1,818,377; Aug. 11.
Brooke, William, assignor to N. Frankel, New York, N. Y. Weighing scale. Des. 84,274; June 2.
Brookhart, Charles F. (See Cuttle, F., and Brookhart.)
Brookins, William L., Cleveland, Ohio. Transmission mechanism. 1,824,868; Sept. 29.
Brooklyn Metal Stamping Corporation, The. (See Hollister, Clarence P., assignor.)
Brooks, Alvia L., and O. R. Brown, San Diego, Calif. Antenna. 1,792,964; Feb. 17.
Brooks Bank Notes Company. (See Brooks, Joshua L., jr., assignor.)
Brooks, Benjamin L., Lynchburg, Va. Artificial tooth. 1,826,270; Oct. 6.
Brooks, Benjamin L., Lynchburg, Va. Artificial tooth 1,826,271; Oct. 6.
Brooks, Benjamin T., Greenwich, Conn., and E. J. Cardarelli, Newark, N. J., assignors to Petroleum Chemical Corporation. Esters. 1,824,068; Sept. 22.
Brooks, Benjamin T., Greenwich, Conn., and E. J. Cardarelli, Newark, N. J., assignors to Petroleum Chemical Corporation. Diethyl ester. 1,824,069; Sept. 22.
Brooks, Benjamin T., Greenwich, Conn., and E. J. Cardarelli, Newark, N. J., assignors to Petroleum Chemical Corporation. Dipropyl ester. 1,824,070; Sept. 22.
Brooks, Benjamin T., Greenwich, Conn., and E. J. Cardarelli, Newark, N. J., assignors to Petroleum Chemical Corporation. Diamyl ester. 1,824,071; Sept. 22.
Brooks, Bloomfield H., Denver, Colo. Supporting structure for eaves of tents. 1,827,729; Oct. 20.
Brooks, Charles, East Falls Church, Va., dedicated to the free use of the public. Preservation of fresh fruits and vegetables by gas inhibition and refrigeration. 1,798,781; Mar. 31.
Brooks, Charles A. (See McCann, R. A., and Brooks.)
Brooks, Charles A. (See Penrod, M. A., and Brooks.)
Brooks, Charles A. (See Penrod, M. A., Young, and Brooks.)
Brooks, Charles A. (See Thompson, H. A., and Brooks.)
Brooks, Charles A. (See Young, H. S., and Brooks.)
Brooks, Charles A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,790,652; Feb. 3.
Brooks, Charles A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,815,458; July 21.
Brooks, Charles A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 1,824,592; Sept. 22.

Brooks, Charles A., Swissvale, and H. C. Vantassel, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 1,790,525; Jan. 27.

Brooks, Charles A., Swissvale, and H. S. Young, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway switch controlling apparatus. 1,810,124; June 16.

Brooks, Charles A., Swissvale, and J. M. Pelikan, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,812,135; June 30.

Brooks, Charles A., Swissvale, and H. S. Young, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic governing apparatus. 1,821,002; Sept. 1.

Brooks, Charles E., Montreal, Quebec, Canada. Locomotive boiler. 1,820,296; Aug. 25.

Brooks, Charles R., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,791,788; Feb. 10.

Brooks, Charles R., assignor to Reserve Holding Company, Chicago, Ill. Relay control circuit. 1,824,194; Sept. 22.

Brooks, Desmond B., Haxtun, Colo. Freight car pusher. 1,805,388; May 12.

Brooks Engineering Corporation. (See Brooks, Stephen H., assignor.)

Brooks, Eugene A., Atlanta, Ga. Composite wall and building the same. 1,837,145; Dec. 15.

Brooks, Eugene A., Atlanta, Ga. Furnace wall and making the same. 1,837,146; Dec. 15.

Brooks, Frank M. (See Haase, L. G., and Brooks.)

Brooks, Frank T., Minot, N. Dak. Concrete slab. 1,819,405; Aug. 18.

Brooks, Harry C., Washington, D. C. Cabinet for storing and preserving fruits and vegetables. 1,805,565; May 19.

Brooks, Harry H., and J. N. Bish, Haynesville, La. Sucker-rod section. 1,788,263; Jan. 6.

Brooks, John C., Paterson, N. J. Needle loom. 1,789,512; Jan 20.

Brooks, John C., Paterson, N. J., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism. 1,823,423; Sept. 15.

Brooks, John H., Muskegon, Mich. Air valve. 1,801,717; Apr. 21.

Brooks, John R., Richmond, Va. Signal device. 1,829,730; Nov. 3.

Brooks, Joshua L., jr., assignor to Brooks Bank Note Company, Springfield, Mass. Display box. 1,821,960; Sept. 8.

Brooks, Louis S., Los Angeles, Calif. Plaque or similar article. Des. 83,306; Feb. 17.

Brooks, Lucius H., Atlanta, Ga. Razor stropper. 1,810,265; June 16.

Brooks, Morris, East Orange, N. J., and J. Carner, New York, N. Y. Accordion case or the like. Des. 85,280; Oct. 6.

Brooks, Oliver, New York, N. Y. Waistband. 1,834,046; Dec. 1.

Brooks, Robert A., Chicago, Ill. Pressure-controlling valve. 1,799,211; Apr. 7.

Brooks, Shirley V., East Orange, assignor to Stilson Manufacturing Company, Inc., West Orange, N. J. Door holder. 1,833,773; Nov. 24.

Brooks Shoe Manufacturing Company. (See Goldenberg, Michael, assignor.)

Brooks, Stephen H., assignor to Brooks Engineering Corporation, Los Angeles, Calif. Gas tight sampling well. 1,802,326; Apr. 28.

Brooks, Stephen H., assignor to Brooks Engineering Corporation, Los Angeles, Calif. Fire prevention system for tanks. 1,803,460; May 5.

Brooks, Thomas R. (See Haywood, John W., assignor.)

Brooks, William C. (See McDaniels, B., and Brooks.)

Brooks, William H., assignor to Carnation Company, Oconomowoc, Wis. Valve. 1,807,193; May 26.

Brooks, William H., and F. M. Taylor, Birmingham, Ala. Apparatus for aging plastic mixtures. 1,810,125; June 16.

Brooks, William J., Des Moines, Iowa. Tire chain. 1,813,274; July 7.

Brooks, Winfred M., West Orange, N. J. Seal. 1,820,595; Aug. 25.

Brooks, Winfred M., West Orange, N. J. Sealing means. 1,821,418; Sept. 1.

Brooks, Winfred M., West Orange, N. J. Sealing means. 1,822,390; Sept. 8.

Brookshire, Drake, Galena, Kans. Safety tubing lock. 1,823,186; Sept. 15.

Broom, Billie, Philadelphia, Pa. Wedding ring. Des. 83,144; Jan. 27.

Broom & Wade Limited. (See Prestage, Edwin, assignor.)

Broome, Frank H., Rutherford, N. J. Fastener. 1,811,713; June 23.

Brophy Automatic Air Dog Corporation. (See Brophy, James M., assignor.)

Brophy, David, et al. (See Warburton, Frank D., assignor.)

Brophy, James M., assignor to Brophy Automatic Air Dog Corporation, Hattiesburg, Miss. Combination grab dog and taper. 1,810,752; June 16.

Brophy, Thomas D'A., Scarsdale, assignor to Anaconda Sales Company, New York, N. Y. Prepared shingle. 1,799,500; Apr. 7.

Bropson, James, Cleveland, Ohio. Cleaning device. 1,825,851; Oct. 6.

Bropson, James, assignor of one-half to J. J. Bropson, Cleveland, Ohio. Flashing ring. 1,834,823; Dec. 1.

Bropson, James J. (See Bropson, James, assignor.)

Bros, Clarence K., and O. J. Lenmark, Minneapolis, Minn. Hot-water heater. 1,799,951; Apr. 7.

Brosch, Anton, Vienna, Austria. Apparatus for submerged intestinal lavage. 1,813,608; July 7.

Brosemer, Louis C., Sacramento, Calif. Ambulant discharge device. 1,839,081; Dec. 29.

Brosius, Edgar E., Pittsburgh, Pa. Material handling apparatus. 1,828,762; Oct. 27.

Brosius, Frank C. (See Campbell, Phil I., assignor.)

Brosius, George A., Lewistown, and A. A. Broge, Burnham, Pa. 1,825,177; Sept. 29.

Brosius, Oscar, Oil City, Pa. Hair curling bar. 1,819,731; Aug. 18.

Brosse, Paul, Neuilly, France, assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y. Printing machine for colored films. 1,810,200; June 16.

Brosse, Paul, Neuilly, France, assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y. Selector filter. 1,830,637; Nov. 3.

Brosse, Paul, Neuilly, France, assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y. Device for projecting and reproducing films. 1,833,634; Nov. 24.

Brossman, Jacob R., Yeadon, Pa., assignor to General Electric Company. Laminated wood product. 1,834,895; Dec 1.

Brost, John N., Nashua, Mont. Vacuum conveyer. 1,798,061; Mar. 24.

Brostrom, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving mechanism. 1,834,139; Dec. 1.

Brostrom, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming heel covers. 1,834,677; Dec. 1.

Brostrom, Ernest O., Kansas City, Mo. Screed jack. 1,788,481; Jan. 13.

Broszeit, Carl, Essen, Germany. Testing means for percussive tools. 1,790,971; Feb. 3.

Brothers, Joseph A., Hartford City, Ind. Barber's appliance. 1,837,848; Dec. 22.

Brotz, Anton F., assignor to Kohler Company, Kohler, Wis. Switch box for automatic generating plants. 1,808,883; June 9.

Brotz, Frank G., assignor to Kohler Company, Kohler, Wis. Sink. Des. 83,246; Feb. 10.

Brotz, Frank G., assignor to Kohler Company, Kohler, Wis. Lavatory drain. 1,811,170; June 23.

Brotz, Frank G., assignor to Kohler Company, Kohler, Wis. Lavatory hand lift drain. 1,811,827; June 23.

Brotz, Frank G., assignor to Kohler Company, Kohler, Wis. Start and stop switch for combination dishwasher and sink. 1,819,355; Aug. 18.

Brotz, Frank G., assignor to Kohler Company, Kohler, Wis. Closet seat hinge. 1,824,770; Sept. 29.

Brotz, Frank G., assignor to Kohler Company, Kohler, Wis. Swinging container for sinks. 1,830,781; Nov. 10.

Brotz, Frank G., assignor to Kohler Company, Kohler, Wis. Bathtub support. 1,833,152; Nov. 24.

Broudy, Celia and I., assignors to Miles E. Heath, Detroit, Mich. Register filter. 1,801,949; Apr. 21.

Broudy, Isadore. (See Broudy, Celia and I.)

Broughton, Arthur E., Minneapolis, Minn., assignor to Broughton Company. Cleaner for paper driers. 1,794,058; Feb. 24.

Broughton, Arthur E., Minneapolis, Minn., assignor to Broughton Company. Cleaner attachment for paper driers. 1,794,059; Feb. 24.

Broughton, Arthur E., Minneapolis, Minn. Automatic control adjusting device. 1,822,005; Sept. 8.

Broughton, Charles B., D. A. Leifheit, and C. A. Carlson, De Kalb, Ill. Hayfork. 1,797,633; Mar. 24.

Broughton Company. (See Broughton, Arthur E., assignor.)

Broughton, Walter C., Kansas City, Mo. Burial vault. 1,837,402; Dec. 22.

Brouillette, Thomas A., Vincennes, Ind. Screen. 1,798,187; Mar. 31.

Brouse, William, H. D., Toronto, Ontario, Canada. Automatic document vending machine. 1,804,200; May 5.

Broussard, Andre L., assignor of nine-tenths to E. O. Broussard, New Orleans, La. Pneumatic tire. 1,807,728; June 2.

Broussard, E. O. (See Broussard, Andre L., assignor.)

Brousseau, Alexina. (See Brousseau, Octave J., assignor.)

Brousseau, John H., New York, N. Y. Garter. 1,824,008; Sept. 22.

Brousseau, Octave J., assignor to Alexina Brousseau, Seattle, Wash. Wrench. 1,790,133; Jan. 27.

Broussouse, Fernand L., Garat, and P. J. Leboucher, Paris, France. Servo-motor for braking vehicles. 1,831,737; Nov. 10.

Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator Mealmo, Sweden. Automatic slack adjuster for brakes. 1,811,913; June 30.

Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Automatic slack adjuster for brakes on railway cars and the like. 1,811,914; June 30.
Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Automatic slack adjuster for brakes. 1,835,008; Dec. 8.
Browand, Benjamin T., Cleveland, Ohio. Tool holder. 1,825,046; Sept. 29.
Brower, Paul V., Kenmore, N. Y., assignor to Carbide & Carbon Chemicals Corporation. Case for carburizing and heat treating metals. 1,817,345; Aug. 4.
Brower, Paul V., Kenmore, N. Y., assignor to Carbide & Carbon Chemicals Corporation. Case carburizing and heat treating metals. 1,817,407; Aug. 4.
Brower, William M., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Facsimile transmission system and method. 1,834,330; Dec. 1.
Brown, A. G., Boveri & Cie. (See Frey, Karl, assignor.)
Brown, Albert, assignor to Vogt Manufacturing Corporation, Rochester, N. Y. Pull cord or the like and making the same. 1,793,994; Feb. 24.
Brown, Albert W., Hatboro, Pa. Combined bread box, slicer, and knife holder. 1,822,581; Sept. 8.
Brown, Alexander, New York, N. Y. Mechanical glider. 1,795,246; Mar. 3.
Brown, Alfred T., assignor to The Warner Elevator Manufacturing Company, Cincinnati, Ohio. Safety device for elevators. 1,838,524; Dec. 29.
Brown, Arthur. (See Mathewson, M. I., and Brown.)
Brown, Arthur, Lake City, Iowa. Work-holding device. 1,794,397; Mar. 3.
Brown, Arthur B., Los Angeles, Calif. Impact shock absorber. 1,834,824; Dec. 1.
Brown, Arthur B., and F. W. Sullivan, jr., assignors to Standard Oil Company, Whiting, Ind. Manufacture of nondetonating motor fuels. 1,797,819; Mar. 24.
Brown, Arthur E. (See Vaughan, W., and Brown.)
Brown, Arthur E., assignor to W. R. Meadows, Incorporated, Elgin, Ill. Method of and machine for manufacturing expansion joints. 1,826,985; Oct. 13.
Brown, Arthur J., assignor to Brown Bros. Manufacturing Corporation, New York, N. Y. Vibrating machine. 1,832,962; Nov. 24.
Brown, Arthur L., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Fluid condensation product. 1,820,690; Aug. 25.
Brown, Arthur W., Langland, Swansea, Wales. Indicating direction. 1,820,647; Aug. 25.
Brown Bag Filling Machine Company, The. (See Greenlaw, Burpee D., assignor.)
Brown, Banks D., assignor to Capstan Glass Company, Connellsville, Pa. Tumbler or similar article. Des. 83,030; Jan. 13.
Brown, Basil E., Pontiac, Mich. Adjustable support for angle bars. 1,806,607; May 26.
Brown, Ben E., Lawrence, Kans. Flying machine of the heavier than air variety. 1,836,896; Dec. 15.
Brown, Benjamin J., assignor to Brown Brothers Company, Gardner, Mass. Chair. Des. 85,633; Dec. 1.
Brown & Bigelow. (See Fischer, Howard L., assignor.)
Brown & Bigelow. (See Hammerquist, Oscar W., assignor.)
Brown & Bigelow. (See Kristofek, Frank J., assignor.)
Brown & Bigelow. (See Kristofek, F. J., and Hammerquist.)
Brown & Bigelow. (See Leach, George E., assignor.)
Brown Brothers Company. (See Brown, Benjamin J., assignor.)
Brown Bros. Manufacturing Corporation. (See Brown, Arthur J., assignor.)
Brown, Campbell. (See Wilson, J. E., McConnell, and Brown.)
Brown, Carl D., Hopedale, Mass. Warp beam. 1,807,582; June 2.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Take-up mechanism for looms. 1,790,617; Jan. 27.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Loom dobby. 1,804,368; May 5.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Shifting shuttle box loom. 1,804,369; May 5.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Cloth splitting attachment for looms. 1,809,619; June 9.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Weft feeler for looms. 1,829,260; Oct. 27.
Brown, Carl H., Macon, Ga. Apparatus for supplying water at various temperatures to dental syringes. 1,819,941; Aug. 18.
Brown, Casmer R., Lubbock, Tex. Medicine. 1,800,502; Apr. 14.
Brown, Charles A., Gardner, assignor to Heywood-Wakefield Company, Boston, Mass. Pedestal for furniture or the like. 1,802,047; Apr. 21.
Brown, Charles B. (See Brown, Charles H., assignor.)
Brown, Charles E. (See Stevens, D. E., and Brown.)
Brown, Charles F., Beaver, Pa. Tank valve. 1,803,423; May 5.
Brown, Charles H., Flushing, N. Y. Shoe. Des. 83,790; Mar. 31.
Brown, Charles H., Breckenridge, Tex. Fishing tool. 1,791,859; Feb. 10.
Brown, Charles H., Neenah, Wis. Composition of matter. 1,793,357; Feb. 17.
Brown, Charles H., Breckenridge, Tex. Dressing form for underreamer lugs. 1,823,782; Sept. 15.
Brown, Charles H., assignor of one-half to C. B. Brown, Flushing, N. Y. Shoe fitting apparatus. 1,821,051; Sept. 1.
Brown, Charles H., and J. A. Brown, Eureka, Calif. Cutter for defiberizing or shredding redwood bark, wood, and mill waste. 1,827,352; Oct. 13.
Brown, Charles I., Queens Village, N. Y. Electric-lamp fixture. 1,800,857; Apr. 14.
Brown, Charles S., Syracuse, N. Y. Internal combustion engine. 1,823,027; Sept. 15.
Brown, Charles S., Syracuse, N. Y. Safety clutch means for implements of motor driven agricultural machines. 1,825,574; Sept. 29.
Brown, Charles W., San Diego, Calif. Closet flushing device. 1,805,204; May 12.
Brown, Charley L., Rushville, Mo. Aircraft motor and mounting. 1,804,312; May 5.
Brown, Charlie A., Christopher, Ill. Machine for rebabbitting connecting rods. 1,830,423; Nov. 3.
Brown, Chauncey L., Northfield, Minn. Snow fence. 1,799,952; Apr. 7.
Brown, Chauncey L., Northfield, Minn. Oil burner. 1,836,012; Dec. 15.
Brown, Chester B., Morrill, Nebr. Cultivator. Re17,944; Feb. 3.
Brown, Cicero C., Hebbronville, Tex. Well head equipment. 1,811,422; June 23.
Brown, Claud R., and J. F. Thomas, New London, Wis. Armature commutator resurfacing or cutting machine. 1,823,642; Sept. 15
Brown, Clement, assignor to Amalgamated Carburetters Limited, Perry Barr, Birmingham, England. Liquid pump. 1,804,524; May 12.
Brown, Clement, Witton, Birmingham, assignor to Amalgamated Carburetters Limited, Birmingham, England. Carburetor. 1,817,610; Aug. 4.
Brown, Clyde E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing loom. 1,817,124; Aug. 4.
Brown, Clyde E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Side slip weft detector. 1,832,525; Nov. 17.
Brown Company. (See Burke, Edmund, assignor.)
Brown Company. (See Burke, E., and Sherman, assignors.)
Brown Company. (See Cook, Ernest P., assignor.)
Brown Company. (See Daw, J., Johnson, and Packard, assignors.)
Brown Company. (See Elder, Robert F., and Hill, assignors.)
Brown Company. (See Hill, Roger B., assignor.)
Brown Company. (See Meglitz, William B., assignor.)
Brown Company. (See Parker, Howard, assignor.)
Brown Company. (See Richter, George A., assignor.)
Brown Company. (See Richter, G. A., and Hill, assignors.)
Brown Company. (See Richter, G. A., and Schur, assignors.)
Brown Company. (See Richter, G. A., Schur, and Rasch, assignors.)
Brown Company. (See Root, Bertwell C., assignor.)
Brown Company. (See Schur, Milton O., assignor.)
Brown Company. (See Schur, M. O., and Cook, assignors.)
Brown Company. (See Schur, M. O., and Hoos, assignors.)
Brown Company. (See Schur, M. O., and Webber, assignors.)
Brown Company. (See Sherman, John C., assignor.)
Brown Company. (See Sleeper, C. W., Meglitz, and Parker, assignors.)
Brown Company. (See Van Arsdel, W. B., and Hill, assignors.)
Brown Company. (See Vogel, F. W., Brown, and Hill, assignors.)
Brown, Cornelius, Beirut, Okla. Device for removing parts from wells. 1,810,753; June 16.
Brown Counter Company, The. (See Blustein, Abraham, assignor.)
Brown, Daniel C., West Pittston, Pa. Bearing box. 1,805,325; May 12.
Brown, David H., assignor to Century Furniture Company, Grand Rapids, Mich. Desk. Des. 83,031; Jan. 13.
Brown, David H., assignor to Century Furniture Company, Grand Rapids, Mich. Desk. Des. 83,032; Jan. 13.
Brown, David H., assignor to Century Furniture Company, Grand Rapids, Mich. Chair. Des. 84,514; June 30.
Brown, David L., Wellston, assignor of two-fifths to G. Acuff, Oklahoma City, Okla. Automatic valve for gas lines. 1,788,368; Jan. 13.
Brown, Davis, assignor to W. A. Riddell Company, Bucyrus, Ohio. Heated screw extrusion machine. 1,788,821; Jan. 13.
Brown, Donald, Heaton, Newcastle-upon-Tyne, England. Steering gear for motor road vehicles and the like. 1,815,231; July 21.
Brown, Donald, Heaton, Newcastle-upon-Tyne, England. Resilient suspension for motor road vehicles and the like. 1,837,013; Dec. 15.
Brown, E. C., Company. (See Tappan, Dewitt, assignor.)

Brown, Earl D., G. Davidson, and I. F. Laucks, assignors to I. F. Laucks, Inc., Seattle, Wash. Reducing the water requirement of compositions of matter embodying vegetable protein containing material and to the product thereof. 1,836,897; Dec. 15.
Brown, Earl W., Willow Springs, Ill. Top-entrance beehive. 1,816,631; July 28.
Brown, Edgar P., Watsonville, Calif. Land grader. 1,811,490; June 23.
Brown, Edward. (See Brown, J. and E.)
Brown, Edwin H., Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Casing support. 1,791,657; Feb. 10.
Brown, Edwin H., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Prime mover and assembling and dismantling the same. 1,802,870; Apr. 28.
Brown, Edwin, New York, N. Y., assignor to Logan Laboratories, Ltd. Volatilizer. 1,795,328; Mar. 10.
Brown, Edwin M., Jackson, Mich. Cigarette holder. 1,798,654; Mar. 31.
Brown, Edwin M., et al. (See Rutten, Frank M., assignor.)
Brown, Edwin W., assignor of one-half to C. J. Reitz, Sunbury, Pa. Folding door. 1,801,220; Apr. 14.
Brown, Elden E., Hennessey, Okla. Gaseous fuel mixing device. 1,822,952; Sept. 15.
Brown, Elmer B. (See Frey, C. N., Brown, and Craig.)
Brown, Eric, Baden, Switzerland. Gear power transmission. 1,806,328; May 19.
Brown, Eric, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Preheating turbines. 1,811,383; June 23.
Brown, Eric, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Thrust bearing. 1,836,065; Dec. 15.
Brown, Eric, Baden, and J. de Freudenreich, Zurich, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Worm gear. 1,791,116; Feb. 3.
Brown, Ernest E., Home Gardens, Calif. Liquid dispensing apparatus. 1,830,693; Nov. 3.
Brown, Ernest R., and P. S., Wilkinsburg, Pa. Thread protector. Re18,184; Sept. 8.
Brown, Estee T. (See McCoy, Kenneth A., assignor.)
Brown, Frank, Malden, Mass. Combination clock and lamp. Des. 84,975; Sept. 1.
Brown, Frank J., assignor to National Wrought Iron Annealing Box Company, Washington, Pa. Pressure-welding machine. 1,799,724; Apr. 7.
Brown, Frank S., Herndon, Kans. Deep furrow grain drill. 1,807,827; June 2.
Brown, Frank T., assignor on one-half to S. Dunn, Detroit, Mich. Sign. 1,807,649; June 2.
Brown, Franklin H., assignor to Cup-Lok Packing Company, Philadelphia, Pa. Stuffing box loader. 1,822,562; Sept. 8.
Brown, Fenby T., assignor to Investors Industries, Inc., Baltimore, Md. Clutch. 1,832,526; Nov. 17.
Brown, Fenby T., assignor to Investors Industries, Inc., Baltimore, Md. Automatic free-wheeling clutch. 1,832,527; Nov. 17.
Brown, Fred J. (See McGee, Harvey E., assignor.)
Brown, Frederick K., Mendon, assignor to Draper Corporation, Hopedale, Mass. Cloth splitting attachment for looms. 1,835,556; Dec. 8.
Brown, Fredrick Lewis, West Palm Beach, Fla. Pie marker. 1,797,070; Mar. 17.
Brown, George, Oakland, Calif. Wrench. 1,816,997; Aug. 4.
Brown, George A., assignor to Bennett, Incorporated, Salem, Mass. Device for producing dispersions. 1,792,067; Feb. 10.
Brown, George H., Highland Park, N. J. Glazed rock granule surfacing and roofing surfaced therewith. 1,831,784; Nov. 10.
Brown, George R., Chicago, and C. Loesges, Congress Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Recording apparatus. 1,827,187; Oct. 13.
Brown, Gregory, Fairfield, assignor to Bridgeport Brass Company, Bridgeport, Conn. Needle valve pump. 1,835,009; Dec. 8.
Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. Des. 84,226; May 26.
Brown, Harold. (See Grigsby, A. R., and Brown.)
Brown, Harold D., Los Angeles, Calif. Roofing. Des. 83,718; Mar. 24.
Brown, Harold H., Red Bank, N. J. Control device. 1,829,887; Nov. 3.
Brown, Harold W., Schenectady, N. Y., assignor to General Electric Company. Controlling the current supply to a load circuit. 1,833,821; Nov. 24.
Brown, Harry H., Los Angeles, Calif. Power-transmission mechanism. 1,787,565; Jan. 6.
Brown, Hartley M., Collingwood, Ontario, Canada. Signal. 1,801,236; Apr. 14.
Brown, Harvey W. (See Hilton, Ralph W., assignor.)
Brown, Henry K., assignor to Cook Laboratories, Inc., Chicago, Ill. Hypodermic syringe. 1,803,316; May 5.
Brown, Henry L., Lansing, Mich. Running board ice carrier. 1,795,540; Mar. 10.
Brown, Henry L., Chattanooga, Tenn. Gate operating means. 1,812,735; June 30.
Brown, Henry L., Houston, Tex. Apparatus and method for the recovery of chemicals from pulp magma. 1,828,279; Oct. 20.
Brown, Herbert C. (See Capell, Carl F., assignor.)
Brown, Herman C., Kenosha, Wis. Baked-core tap-hole plug. 1,797,566; Mar. 24.
Brown, Herman M. (See Shoffstall, A. S., and Brown.)
Brown, Howard, Longmeadow, assignor to Southworth Company, Mittineague, Mass. Preparing watermarking plates. 1,796,080; Mar. 10.
Brown, Howard, Longmeadow, assignor to Southworth Company, Mittineague, Mass. Device for indicating cutting marks on paper. 1,830,897; Nov. 10.
Brown, Howard T., Detroit, Mich. Pump. 1,798,782; Mar. 31.
Brown, Hugh F., San Francisco, Calif. Welding pipe joints. 1,838,249; Dec. 29.
Brown, Hugh S., Roselle Park, N. J., assignor to The Hubron Company, Inc. Earth auger. 1,807,148; May 26.
Brown Instrument Company, The. (See Bean, Roscoe D., assignor.)
Brown-Hutchinson Iron Works. (See Hoefen, Walter V., assignor.)
Brown, Ingram, Saratoga Springs, N. Y. Corn dish. 1,799,155; Apr. 7.
Brown Instrument Company, The. (See Brown, Richard P., assignor.)
Brown Instrument Company, The. (See Harrison, Archibald C., assignor.)
Brown Instrument Company, The. (See Harrison, Thomas R., assignor.)
Brown Instrument Company. (See Keeler, Earl A., assignor.)
Brown Instrument Company, The. (See Krogh, Anker E., assignor.)
Brown Instrument Company, The. (See Pearce, Walter H., assignor.)
Brown Instrument Company, The. (See Poole, Foster M., assignor.)
Brown Instrument Company, The. (See Van Eyk, H. H. W., and Pfeiffer, assignors.)
Brown, Isaac T. (See McIntosh, L., and Brown.)
Brown, Iva M., Frannie, Wyo. Candle. 1,831,902; Nov. 17.
Brown, J. F., by degree of distribution. (See Brown, Lloyd L.)
Brown, James C., assignor to E. Frederics, Inc., New York, N. Y. Apparatus for treating hair. 1,797,318; Mar. 24.
Brown, James F., Cincinnati, Ohio. Store. 1,821,541; Sept. 1.
Brown, James H., Coytesville, N. J. Greetings calendar and the like. 1,835,268; Dec. 8.
Brown, James L., jr., Lancaster, Pa., assignor to Follmer, Clogg & Company. Parachute. 1,816,927; Aug. 4.
Brown, James M. (See Sinclair, G. C., and Brown.)
Brown, James M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,804,590; May 12.
Brown, James M., deceased; J. D. Brown, administratix, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Switch mechanism. 1,810,694; June 16.
Brown, James M., deceased, Pittsburgh, Pa., by Jane D. Brown, Pittsburgh, Pa., administratrix, assignor to Westinghouse Electric and Manufacturing Company. Switch mechanism. 1,820,691; Aug. 25.
Brown, James M., deceased; J. D. Brown, administratrix, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,835,590; Dec. 8.
Brown, James T., Jamaica, assignor to Bond Electric Corporation, New York, N. Y. Flashlight. 1,805,683; May 19.
Brown, Jane D., administratrix. (See Brown, James M.)
Brown, Jane D., administratrix. (See Sinclair, G. C., and Brown.)
Brown, Jasper S. (See Loomis, A. G., Ambrose, and Brown.)
Brown, Joe, Granite City, Ill. Refrigerator. Des. 85,321; Oct. 13.
Brown, Joe, Granite City, Ill. Stove or range. Des. 85,322; Oct. 13.
Brown, John, Chelmsford, England, assignor to Radio Corporation of America. Wireless telegraph receiving system. 1,810,461; June 16.
Brown, John, assignor to Scottish Farmers Corporation Limited, Glasgow, Scotland. Apparatus for facilitating the delivery of milk in bottles. 1,828,125; Oct. 20.
Brown, John A., Indianapolis, Ind. Safety tower. 1,821,376; Sept. 1.
Brown, John C., and H. W. Bohrman, Los Angeles, Calif. Multiple port valve. 1,814,121; July 14.
Brown, John H., Minneapolis, Minn., assignor to Keasbey & Mattison Company, Ambler, Pa. Flexible conduit. 1,808,204; June 2.
Brown, John H., Hollywood, Calif., assignor, by mesne assignments, to Instant-Ice Corporation. Pump. 1,812,034; June 30.
Brown, John H., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,828,829; Oct. 27.
Brown, John L. (See Barnholdt, H. L., and Brown.)

Brown, John L., Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor bedplate. 1,788,081; Jan. 6.
Brown, John M., assignor to Crystal Oil Burner Corporation, Irvington, N. J. Oil burner. 1,799,725; Apr. 7.
Brown, John P., Cincinnati, Ohio. Method and apparatus for drying materials. 1,798,718; Mar. 31.
Brown, John W., jr., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Meat chopper. 1,815,829; July 21.
Brown, John W., Manufacturing Company, The. (See Johnson, Roy W., assignor.)
Brown, John W., Mfg. Company, The. (See Jording, Christian H., assignor.)
Brown, John and E. Wednesbury, England. Wind actuated apparatus. 1,832,357; Nov. 17.
Brown, Joseph A. (See Atkinson, William R., assignor.)
Brown, Joseph M., Cabot, Ark. Tanning hides. 1,800,131; Apr. 7.
Brown, Judd A. (See Brown, Charles H. and J. A.)
Brown, Lee R. (See Chase, G. C., and Brown.)
Brown, Ladura A., Uniontown, Pa. Electric switch. 1,787,664; Jan. 6.
Brown, Lee R. (See Britten, E. F., and Brown.)
Brown, Lee R., East Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Attachment for calculating machines. 1,810,638; June 16.
Brown, Leonard J., Tacoma, Wash. Tint laying machine. 1,819,071; Aug. 18.
Brown, Leslie A., assignor to International Silver Company, Meriden, Conn. Spoon or other article of tableware. Des. 84,976; Sept. 1.
Brown, Leslie A., assignor to International Silver Company, Meriden, Conn. Spoon or other article of tableware. Des. 84,977; Sept. 1.
Brown, Lester W. and M. E., Seattle, Wash. Rocker toy. 1,815,183; July 21.
Brown-Lipe Gear Company. (See Carhart, George C., assignor.)
Brown-Lipe Gear Company. (See Eaton, Ernest E., assignor.)
Brown-Lipe Gear Company. (See Fawick, Thomas L., assignor.)
Brown-Lipe Gear Company. (See Leighton, Herbert J., assignor.)
Brown-Lipe Gear Company. (See Spase, Charles B., assignor.)
Brown, Lloyd L., deceased, by decree of distribution to J. F. Brown, Spokane, Wash. Circuit breaker. 1,823,083; Sept. 15.
Brown Lynch Scott Co. (See Johnson, R. H., and Szekely, assignors.)
Brown Lynch Scott Co. (See Smith, Edward M., assignor.)
Brown, Marguerite E. (See Brown, Lester W. and M. E.)
Brown, Marshall, Heltonville, Ind. Shingle bracket. 1,803,788; May 5.
Brown, Ned C. L., Scottsville, assignor to General Railway Signal Company, Rochester, N. Y. Car-retarder system. 1,794,579; Mar. 3.
Brown, Newell, Selma, Iowa. Hog ringing device. 1,815,545; July 21.
Brown, Newton N., assignor to Gold Medal Camp Furniture Mfg. Co., Racine, Wis. Foldable furniture. 1,787,566; Jan. 6.
Brown, Newton N., assignor to Gold Medal Camp Furniture Mfg. Co., Racine, Wis. Foldable table. 1,812,196; June 30.
Brown, Newton N., assignor to Gold Medal Camp Furniture Manufacturing Company, Racine, Wis. Collapsible table. 1,813,018; July 7.
Brown, Newton N., assignor to Gold Medal Camp Furniture Company, Racine, Wis. Foldable bed. 1,813,019; July 7.
Brown, Newton N., assignor to Gold Medal Camp Furniture Manufacturing Company, Racine, Wis. Fastening flexible seats. 1,813,020; July 7.
Brown, Newton N., assignor to Gold Medal Camp Furniture Co., Racine, Wis. Foldable bed. 1,818,036; Aug. 11.
Brown, Newton N., assignor to Gold Medal Folding Furniture Company, Racine, Wis. Folding table. 1,824,981; Sept. 29.
Brown, Norman F., and C. M. Reppert, assignors to The Concrete Tie Company, Pittsburgh, Pa. Concrete railroad tie. 1,788,446; Jan. 13.
Brown, Oscar H., Salem, Mass., assignor to The Turner Tanning Machinery Company, Portland, Me. Machine for evening surfaces of articles. 1,796,824; Mar. 17.
Brown, Oliver R. (See Brooks, A. L., and Brown.)
Brown, Ora S., Virginia, Minn. Engine starting and lighting system. 1,814,617; July 14.
Brown, Oscar E., Mt. Lebanon, assignor to United States Glass Company, Pittsburgh, Pa. Ash tray. Des. 83,495; Mar. 3.
Brown, Paul. (See Vogel, F. W., Brown, and Hill.)
Brown, Peggy, Greenwich, Conn. Bust-developing device. 1,795,073; Mar. 3.
Brown, Perley H., Hudson, assignor to Firestone Footwear Company, Boston, Mass. Hip boot. 1,794,144; Feb. 24.
Brown, Peter W., Two Dot, Mont. Animal trap. 1,793,773; Feb. 24.
Brown, Phelps, Springfield, Mass. Magneto. 1,803,543; May 5.
Brown, Porter S. (See Brown, Ernest R. and P. S.)
Brown, Ralph E., Evanston, Ill. Soldering pot. 1,818,925; Aug. 11.
Brown, Ray W., Altadena, Calif., assignor, by mesne assignments, to H. D. Wilson, Pittsburgh, Pa. Tool coupler. 1,808,944; June 9.
Brown, Ray W., Altadena, Calif., assignor, by mesne assignments, to H. D. Wilson, Pittsburgh, Pa. Nonjamming taper shank tool. 1,815,611; July 21.
Brown, Ray W., Denver, Colo., assignor to H. D. Wilson, Pittsburgh, Pa. Dental handpiece chuck. 1,837,403; Dec. 22.
Brown, Raymond E., assignor to Heyl & Patterson, Inc., Pittsburgh, Pa. Car dumping. 1,787,812; Jan. 6.
Brown, Raymond L., assignor to The New Departure Manufacturing Company, Bristol, Conn. Bearing and mounting therefor. 1,801,655; Apr. 21.
Brown, Raymond M., Newport News, Va. Bottle opener. 1,827,868; Oct. 20.
Brown, Reinhardt H., La Porte, Ind. Baby hammock for automobiles. 1,807,234; May 26.
Brown, Reinhardt H., La Porte, Ind. Collapsible carriage for children. 1,807,235; May 26.
Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Blast furnace control system. 1,816,174; July 28.
Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Combustion control. 1,816,311; July 28.
Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Control method and apparatus. 1,826,986; Oct. 13.
Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Method of and means for heating oil. 1,833,153; Nov. 24.
Brown, Robert, Johnstown, Pa. Braille slate. 1,800,130; Apr. 7.
Brown, Robert E., Olean, N. Y. Pocketknife. Des. 83,791; Mar. 31.
Brown, Robert E., Olean, N. Y. Disgorging and scaling implement. 1,788,656; Jan. 13.
Brown, Robert E., Olean, N. Y. Axe guard. 1,810,593; June 16.
Brown, Robert E., Olean, N. Y. Fly open knife. 1,810,999; June 23.
Brown, Robert L., assignor to Harnischfeger Corporation, Milwaukee, Wis. Operating mechanism for clutches. 1,822,335; Sept. 8.
Brown, Robert L., assignor to Harnischfeger Corporation, Milwaukee, Wis. Traction steering clutch and brake arrangement. 1,829,978; Nov. 3.
Brown, Robert N., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,803,317; May 5.
Brown, Robert N., assignor to Packard Motor Car Company, Detroit, Mich. Core forming mechanism. 1,808,630; June 2.
Brown, Robert S. (See Oglesby, N. E., and Brown.)
Brown, Robert S., assignor, by mesne assignments, to The New Britain-Gridley Machine Company, New Britain, Conn. Threading device. 1,813,480; July 7.
Brown, Robert S., assignor to The New Britain Machine Company, New Britain, Conn. Mortising machine. 1,817,910; Aug. 11.
Brown, Robert S., assignor, by mesne assignments, to The New Britain-Gridley Machine Company, New Britain, Conn. Automatic chucking machine. 1,833,822; Nov. 24.
Brown, Roy H., Welge, Ill. Toy. 1,790,405; Jan. 27.
Brown, Roy L., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer. 1,832,616; Nov. 17.
Brown, Roy W., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Pressure measuring instrument. 1,804,970; May 12.
Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Mold serving device. 1,811,256; June 23.
Brown, Roy W., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Method and apparatus for use in manufacture of rubberized fabrics. 1,819,986; Aug. 18.
Brown, Roy W., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Time controller. 1,828,126; Oct. 20.
Brown, Sadie W., Vallejo, Calif. Percolator attachment. 1,802,591; Apr. 28.
Brown, Samuel B., Los Angeles, Calif. Internal combustion engine. 1,805,540; May 19.
Brown, Samuel G., assignor to C. W. Lovett, Lynn, Mass. Floor drain trap. 1,820,596; Aug. 25.
Brown, Samuel J., West Point, Ky. Bath-sponge holder. 1,798,188; Mar. 31.
Brown & Sharpe Manufacturing Company. (See Armitage, J. B., Kearney, Graves, and Nenninger, assignors.)
Brown & Sharpe Manufacturing Company. (See Graves, Benjamin P., assignor.)
Brown & Sharpe Mfg. Company. (See Gruber, Charles W., assignor.)
Brown and Sharpe Manufacturing Company. (See Martin, Harold E., assignor.)
Brown and Sharpe Manufacturing Company. (See Mathewson, Maxwell I., assignor.)

Brown & Sharpe Mfg. Co. (See Parker, John W., assignor.)
Brown & Sharpe Mfg. Co. (See Parkhurst, Malcolm K., assignor.)
Brown & Sharpe Mfg Co. (See Parkhurst, M. K., and J. W. Parker, assignors.)
Brown and Sharpe Manufacturing Company. (See Rich, Charles A., assignor.)
Brown and Sharpe Manufacturing Company. (See Townsend, Herbert E., assignor.)
Brown, Sidney G., North Acton, London, England. Gyroscopic directional instrument. 1,811,300; June 23.
Brown, Silas B., assignor to The Edwards Manufacturing Company, Cincinnati, Ohio. Baby walker. 1,826,502; Oct. 6.
Brown, Stanley, Garden City, Long Island, assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 1,790,897; Feb. 3.
Brown, Stephen D., and C. E. Shook, Waterloo, Iowa; said Shook assignor of one-sixth to said Brown. Traction cleat for vehicle wheels. 1,822,582; Sept. 8.
Brown, Sumner E., Dedham, Mass., assignor to General Motors Corporation. Filament arrangement. 1,792,806; Feb. 17.
Brown, Sumner E., Dedham, Mass., assignor by mesne assignments to Guide Lamp Corporation, Anderson, Ind. Light directing means. 1,822,839; Sept. 8.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Power operated cultivator. 1,802,370; Apr. 28.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Cultivator. 1,827,708; Oct. 13.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Tractor. 1,830,748; Nov. 10.
Brown Theophilus, assignor to Deere & Company, Moline, Ill. Plow. 1,831,997; Nov. 17.
Brown, Thomas H. (See Daggett, Edward H., assignor.)
Brown, Thomas H., Chatham, assignor to General Electric Vapor Lamp Co., Hoboken, N. J. Sterilizing system. 1,788,906; Jan. 13.
Brown, Thomas H., Chatham, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Sterilizing system. 1,813,021; July 7.
Brown, Thomas H., Abington, assignor to The Windsor Mills, Inc., Philadelphia, Pa. Stocking. 1,789,695; Jan. 20.
Brown, Thomas R., Arcadia, Fla. Fruit-marking machine. 1,790,972; Feb. 3.
Brown, Tom R., assignor to The Glacifer Corporation, Kennett Square, Pa. Cabinet for milk bottles and the like. 1,791,709; Feb. 10.
Brown, Tom R., assignor to The Glacifer Corporation, Kennett Square, Pa. Shipping container. 1,803,544; May 5.
Brown, Vernie R. (See Waters, H. F., and Brown.)
Brown, Virgil S., Cromwell, Iowa. Grain soaking attachment for watering troughs. 1,806,585; May 26.
Brown, W. C., et al. (See Marcum, George L., assignor.)
Brown, Walter J. Stockport, and C. R. Burch, Stretford, Manchester, England, assignors to Associated Electrical Industries Limited. Receiver for high-frequency electric signals. 1,790,197; Jan. 27.
Brown, Walter J., Eversley, England, assignor to Associated Electrical Industries Limited. Protective apparatus for electrical systems. 1,831,338; Nov. 10.
Brown, Walter O., Detroit, Mich. Reenforced wood box or crate. 1,804,494; May 12.
Brown, Walter O., Detroit, Mich. Wire box. 1,830,346; Nov. 3.
Brown, Walter W., Alameda, and F. B. Stone, San Francisco, Calif. Electric heater. 1,797,519; Mar. 24.
Brown, Wilbur F., Toledo, Ohio. Headlight indicating device. 1,806,931; May 26.
Brown, Wilbur F., assignor to Libbey Owens Ford Glass Company, Toledo, Ohio. Laminated glass and producing the same. 1,818,458; Aug. 11.
Brown, William. (See Gray, W., and Brown.)
Brown, William, Glasgow, Scotland. Smoke-consuming device. 1,794,101; Feb. 24.
Brown, William, Irvington, N. J. Landing wheel. 1,829,500; Oct. 27.
Brown, William A., Philadelphia, Pa. Combination blower and heater. Re18,240; Nov. 3.
Brown, William H. (See Simpson, L. L., and Brown.)
Brown, William H., Cleveland, Ohio. Tie rack. 1,801,950; Apr. 21.
Brown, William H., Cleveland, Ohio. Chair. 1,827,418; Oct. 13.
Brown, William J., Buffalo, Ky. Cheese cutter. 1,824,703; Sept. 22.
Brown, William R., Monroe, La., assignor to Shuron Optical Company, Inc., Geneva, N. Y. Ophthalmic mounting. 1,836,642; Dec. 15.
Brown. William W., Caruthersville, Mo. Engine. 1,797,127; Mar. 17.
Brown, William W., Schenectady, N. Y., assignor to General Electric Company. Protective regulating means for alternating current rectifier. 1,808,522; June 2.
Browne, Cecil O. (See Whitaker, A., and Browne.)
Browne, Frank A., Wayne, assignor to The Barber Asphalt Company, Philadelphia, Pa. Compressing unit for inflammable gas. 1,837,404; Dec. 22;
Browne, Joseph A. (See Hartman, H., and Browne.)
Browne, Lyle W., assignor to The Fisher Governor Company, Marshalltown, Iowa. Air block pilot control. 1,795,288; Mar. 10.
Browne, Lyle W., assignor to The Fisher Governor Company, Marshalltown, Iowa. Valve mechanism. 1,796,558; Mar. 17.
Browne, Lyle W., assignor to The Fisher Governor Company, Inc., Marshalltown, Iowa. Sensitive fuel governor. 1,805,802; May 19.
Browne-Morse Company. (See Soper, Raymond H., assignor.)
Browne, Richard, assignor to Phoenix Hosiery Company, Milwaukee, Wis. Stocking. Des. 85,684; Dec. 8.
Browne, Richard, assignor to Phoenix Hosiery Company, Milwaukee, Wis. Stocking. Des. 85,685; Dec. 8.
Browne, Vere B., Brackenridge, Pa. Annealing. 1,821,493; Sept. 1.
Browne, William A., and R. Kissel, New York, N. Y. Toy electric railway system. 1,813,560; July 7.
Brownell, Barnett M., St. Louis, Mo., assignor to Diamond Metal Products Co. Pipe joint. 1,795,541; Mar. 10.
Brownell, James L., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Adjustable seat. 1,807,960; June 2.
Brownell, James L., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Vehicle body. 1,817,125; Aug. 4.
Brownell, James L., assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Combined radiator and guard. 1,828,995; Oct. 27.
Browning, George A. (See McArdle, M. W., and Browning.)
Browning, J. E., Company. (See Browning, John M., assignor.)
Browning, J. E., Company. (See Browning, Jonathan E., assignor.)
Browning, J. M. & M. S., Company. (See Browning, John M., assignor.)
Browning, John, administrator. (See Browning, John M.)
Browning, John, executor. (See Browning, John M., assignor.)
Browning, John M., deceased; J. Browning, executor of the estate, assignor to J. M. & M. S. Browning Company, Ogden, Utah. Cartridge-feeding mechanism. 1,800,594; Apr. 14.
Browning, John M., deceased; J. Browning, administrator of the estate, assignor to J. M. & M. S. Browning Company, Ogden, Utah. Magazine feed mechanism for machine guns. 1,800,595; Apr. 14.
Browning, John M., deceased, by John Browning, administrator, assignor to J. E. Browning Company, Ogden, Utah. Breech mechanism for firearms. 1,801,070; Apr. 14.
Browning, John M., deceased, by J. Browning, administrator, assignor to J. M. & M. S. Browning Company, Ogden, Utah. Firearm. 1,806,736; May 26.
Browning, Jonathan E., assignor to J. E. Browning Company, Ogden, Utah. Automatic firearm. 1,801,071; Apr. 14.
Browning, Jonathan E., assignor to J. E. Browning Company, Ogden, Utah. Automatic firearm. 1,801,072; Apr. 14.
Browning, Jonathan E., assignor to J. E. Browning Company, Ogden, Utah. Automatic firearm. 1,801,073; Apr. 14.
Browning, Jonathan E., assignor to J. E. Browning Company, Ogden, Utah. Automatic firearm. 1,818,984; Aug. 18.
Brownlee, Dalmar T. (See Starkey, W. C., and Brownlee.)
Brownlee. Dalmar T., Indianapolis, Ind. Starter device. 1,809,017; June 9.
Brownlee, Mason, Oakland, Calif. Combined curtain and shade bracket. 1,803,593; May 5.
Brownlee, Thomas, Clifton, N. J., assignor, by mesne assignments, to National Net & Twine Co. Inc., Boston, Mass. Tying weaver's knots. 1,815,546; July 21.
Brownlee, William K., and M. J. Owens; said Owens assignor to Owens-Illinois Glass Company, Toledo, Ohio. Furnace. 1,809,105; June 9.
Brownson, Edward R., Los Angeles, Calif. Dispensing closure. 1,789,955; Jan. 27.
Brownstein, Louis, Brooklyn, assignor to Monopulse Teletype Corporation, New York, N. Y. Fur pointing machine and method. 1,837,157; Dec. 15.
Brownyer, Nelson R. (See Alden, H. W., and Brownyer.)
Brownyer, Nelson R., assignor to The Timken-Detroit Axle Company, Detroit. Mich. Car truck. 1,803,594; May 5.
Brownyer, Nelson R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Electric car truck. 1,805,438; May 12.
Brownyer, Nelson R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Brake. 1,827,065; Oct. 13.
Brozek, Stanley, Detroit, Mich. Block and wall construction. 1,789,400; Jan. 20.
Brozek, Stanley, Detroit, Mich. Block and wall construction. 1,794,060; Feb. 24.
Bruback, Theodore M., and De Los E. Hibner, jr., Du Bois, Pa. Planetary pipe-threading tool. 1,811,491; June 23.
Brubaker, Jacob E., assignor to The Hubley Manufacturing Co., Lancaster, Pa. Toy. 1,804,313; May 5.
Brubaker, Jacob Z., Manheim, Pa. Cooling system for internal-combustion engines. 1,789,540; Jan. 20.

Brubaker, Ora H., Richmond, assignor to McCormick Brothers Company, Albany, Ind. Furniture-leg-attaching device. 1,800,132; Apr. 7.
Brubaker, Walter S., Oakland, assignor to Granberg Meter Corporation, San Francisco, Calif. Automatic control for pump equipped meter systems. 1,825,775; Oct. 6.
Brubaker, Walter S., Oakland, assignor to Granberg Meter Corporation, San Francisco, Calif. Float controlled valve. 1,825,776; Oct. 6.
Brubaker, William A. (See Neimeyer, C., and Brubaker.)
Bruce, Albert W., assignor to Barker Poultry Equipment Company, Ottumwa, Iowa. Brooder ventilation structure. 1,823,584; Sept. 15.
Bruce, Alfred W., New York, N. Y. Locomotive. 1,792,889; Feb. 17.
Bruce, Alfred W., New York, N. Y. Locomotive booster suspension. 1,793,049; Feb. 17.
Bruce, Alfred W., New York, N. Y. Locomotive boiler. 1,805,072; May 12.
Bruce, Alfred W., New York, N. Y. Auxiliary apparatus for steam generators. 1,811,608; June 23.
Bruce, Alfred W., New York, N. Y. Locomotive boiler. 1,816,468; July 28.
Bruce, Alfred W., New York, N. Y. Locomotive cylinder and supporting structure therefor. 1,818,604; Aug. 11.
Bruce, Alfred W., New York, N. Y. Locomotive bed. 1,820,215; Aug. 25.
Bruce, Alfred W., New York, N. Y. Throttle valve operating mechanism. 1,827,189; Oct. 13.
Bruce, Alfred W., New York, N. Y. Superheater. 1,833,314; Nov. 24.
Bruce, Alfred W., New York, N. Y. Locomotive. 1,836,747; Dec. 15.
Bruce, Charles A. (See Bruce, F. E. and C. A., and Haygood.)
Bruce, Charles A., assignor to E. L. Bruce Company, Memphis, Tenn. Wood flooring. 1,808,591; June 2.
Bruce, Daniel C., Nashville, Tenn. Composition of matter. 1,804,245; May 5.
Bruce, E. L. Company. (See Allen, Charles W., assignor.)
Bruce, E. L., Company. (See Bruce, Charles A., assignor.)
Bruce, E. L. Company. (See Bruce, F. E. and C. A., and Haygood, assignors.)
Bruce, E. L., Company. (See Bruce, Robert G., assignor.)
Bruce, E. L., Company. (See Lee, John A., assignor.)
Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical testing. 1,793,835; Feb. 24.
Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Aerial system. 1,813,143; July 7.
Bruce, Edmond, and H. T. Friis, Red Bank, N. J., assignors to Bell Telephone Laboratories, New York, N. Y. Wave amplifying system. 1,804,087; May 5.
Bruce, Elizabeth W., administratrix. (See Gladwin, L. H., and Bruce.)
Bruce, Frank E. and C. A., and J. B. Haygood, assignors to E. L. Bruce Company, Memphis, Tenn. Wood-block flooring. 1,796,884; Mar. 17.
Bruce, James D. (See Metcalf, G. A., and Bruce.)
Bruce, James D., assignor to J. W. Tuttle, Framingham, Mass. Envelope sealer. 1,837,156; Dec. 15.
Bruce, Nigel G. (See Gladwin, L. H., and Bruce.)
Memphis, Tenn. Wood block floor. 1,808,592; June 2.
Bruce, Robert, Wellington, Kans. Hasp fastener. 1,797,634; Mar. 24.
Bruce, Robert G., assignor to E. L. Bruce Company, May 19.
Bruce, Robert L., Chicago, Ill., assignor to White Brass Castings Company. Soldering cup. 1,828,520; Oct. 20.
Bruce, William J. W., Wallasey, England. Valvular apparatus. 1,793,585; Feb. 24.
Bruce, William M., Springfield, Ohio. Attachment for wireless receivers. 1,788,147; Jan. 6.
Bruce, William M., Springfield, Ohio. Method and apparatus for receiving wireless signals. 1,824,803; Sept. 29.
Bruck, Charles, Beloit, Wis. Self cleaning rake. 1,832,358; Nov. 17.
Bruck, Walter. (See Kunz, M. A., Koeberle, and Bruck.)
Bruck, Walter, and F. Helwert, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs. 1,818,037; Aug. 11.
Brucker, Albert P., et al. (See Tipton, John A., assignor.)
Brucker, Henry, Maplewood, N. J. Coffeepot. 1,806,144; May 19.
Brucker, Henry, Maplewood, N. J., assignor to American Aluminum Ware Co. Fly and leader receptacle. 1,820,648; Aug. 25.
Bruckner, Henry B., Jersey City, N. J. Beret cap. Des. 83,496; Mar. 3.
Bruckner, Hugo, Vienna, Austria. Light-reflecting sign. 1,800,673; Apr. 14.
Bruckner, Richard R., New York, N. Y. Curtain support. 1,807,893; June 2.
Bruckner, Robert E., Hastings upon Hudson, N. Y. Apparatus for control of variable cut-off valve gears. 1,828,956; Oct. 27.
Bruckner, Robert E., Hastings upon Hudson, N. Y. Power transmitting mechanism. 1,829,261; Oct. 27.
Brueckner, Fred F., assignor to Copeland Products, Inc., Detroit, Mich. Refrigeration system. 1,797,225; Mar. 24.
Bruehl, Lawrence, Brooklyn, N. Y., assignor to Gas Refrigeration Corporation, Scranton, Pa. Evaporator for refrigerating apparatus. 1,829,501; Oct. 27.
Bruel, Jean, Clichy, France. Safety hook for hoisting machines. 1,836,107; Dec. 15.
Bruelheide, Frank E., Minneapolis, Minn. Combined score sheet and tally form. 1,792,471; Feb. 17.
Bruening, Lee P., Butte, Mont. Thimble. 1,822,953; Sept. 15.
Bruer, Genevieve, San Francisco, Calif. Garment box. 1,806,737; May 26.
Brueshaber, Martin W., Chicago, Ill., assignor to Goss Printing Press Company. Printing press. 1,802,702; Apr. 28.
Brueshaber, Martin W., Chicago, Ill., assignor to Goss Printing Press Company. Web supplying and controlling mechanism. 1,829,337; Oct. 27.
Bruffee, Archer E., Portland, Oreg. Flour sifter. 1,837,807; Dec. 22.
Brugger, John P., Chicago, Ill. Rotary switch lubricator. 1,798,450; Mar. 31.
Brugh, George W., South Bend, Ind. Window wiper. 1,798,520; Mar. 31.
Brugière, Marcel, Thiers, France. Stamping device. 1,798,655; Mar. 31.
Brügmann, William F., Evanston, Ill. Printer's register hook. 1,815,232; July 21.
Bruguiere, Faurie, New Orleans, La. Paddle wheel propeller. 1,820,866; Aug. 25.
Bruijnes, Johannes. (See van Arkel, A. E., and Bruijnes.)
Brumaghim, Everett, Honolulu, Hawaii. Printing pen. 1,788,274; Jan. 6.
Brumbaugh, Isaac V. (See Stockstrom, A., and Brumbaugh.)
Brumbaugh, Isaac V., assignor to American Stove Company, St. Louis, Mo. Oven lining and rack supported thereby. 1,800,052; Apr. 7.
Brumbaugh, Isaac V., assignor to American Stove Company, St. Louis, Mo. Special construction for lining for range ovens. 1,807,470; May 26.
Brumbaugh, Isaac V., St. Louis, assignor to American Stove Company, St. Louis, Mo. Valve. 1,832,688; Nov. 17.
Brumbaugh, Isaac V., assignor to American Stove Company, St. Louis, Mo. Aeration shield for burners of gas ranges. 1,833,734; Nov. 24.
Brumbly, M. G. (See Lamb, Charles, assignor.)
Brumder, Thekla U., executrix. (See Brumder, William C.)
Brumder, William C., deceased, Milwaukee, Wis.; Thekla U. Brumder, executrix. Exercising device. 1,790,653; Feb. 3.
Brumder, William C., deceased, Milwaukee, Wis.; T. U. Brumder, executrix. Mechanical movement. 1,790,654; Feb. 3.
Brumfield, Thomas R., Danville, Va. Nut lock. 1,812,319; June 30.
Brump, Herbert L., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Clutch. 1,797,820; Mar. 24.
Brump, Herbert L., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Motor mounting. 1,798,719; Mar. 31.
Brump, Herbert L., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Motor mounting. 1,806,329; May 19.
Brun, Albert, Paris, France. Vanity case. 1,801,762; Apr. 21.
Brun, Charles, Roosevelt, N. Y. Trouser hanger. 1,804,314; May 5.
Brun, Jean A. F., Paris, France. Taximeter. 1,827,139; Oct. 13.
Brun, Marcel, Paris, France. Automobile body. 1,801,137; Apr. 14.
Brunberg, Bennie N., assignor of thirty-five per cent to C. G. Wood and twenty per cent to A. Johnson, Proctor, Minn. Switch. 1,825,260; Sept. 29.
Brund, Albert, and H. Bohlin, Harnosand, Sweden. Accelerating the hardening of plastic materials. 1,808,762; June 9.
Brundage, James W., assignor to J. R. Gammeter, Akron, Ohio. Method and apparatus for filling molds. 1,811,423; June 23.
Brundage, James W., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Vulcanizer. 1,832,856; Nov. 24.
Brune, Rudolf. (See Wagner, H., and Brune.)
Brune, Rudolf. (See Wagner, H., Hessenland, and Brune.)
Brune, William H., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Excavating point. 1,834,514; Dec. 1.
Bruneel, Camille. (See Brunelle, G. A., and Bruneel.)
Bruneel, Camille, San Francisco, Calif. Automatic clutch control. 1,790,791; Feb. 3.
Bruneel, Camille, and G. A. Brunelle, San Francisco, Calif. Automatic auxiliary air intake for internal combustion engines. 1,834,935; Dec. 8.
Brunelle, Eugene A. (See Deschene, A. G., and Brunelle.)
Brunelle, Gaston A. (See Bruneel, C., and Brunelle.)
Brunelle, Gaston A., and C., San Francisco, Calif. Thermostatic control for auxiliary air devices. 1,799,407; Apr. 7.
Bruner, Abrom D., Rockwell City, Iowa. Quickly applied nonskid device. 1,826,123; Oct. 6.

Bruner, George C. (See Frawley, R. W., and Bruner.)
Bruner, Robert W., St. Louis, Mo., and A. Grauer, Detroit, Mich. Skylight construction. 1,821,003; Sept. 1.
Bruner, Simon. (See Duerr, Charles, assignor.)
Bruner, Simon, Far Rockaway, N. Y. Strap for wrist watches. 1,800,503; Apr. 14.
Brunhoff, Edward, Wyoming, Ohio. Advertising change tray. 1,793,050; Feb. 17.
Brunhoff, Edward, Wyoming, Ohio. Display and vending apparatus. 1,804,913; May 12.
Brunhoff, Henry E., Wyoming, Ohio. Electrical cooking utensil. 1,795,830; Mar. 10.
Brunhübner, Georg, assignor to E. G. Bek, Pforzheim, Germany. Soldering chains, chainmesh, or the like. 1,813,904; July 14.
Bruni, Hugo, et al. (See Nadeo, James, assignor.)
Bruning, Charles, Company Inc. (See Murck, Knud, assignor.)
Bruning, Clarence A., Colfax, Wash. Adjustable bracket. 1,809,018; June 9.
Brüninghaus, Hugo, Barmen-Wichlinghausen, Germany. Method of and apparatus for tying packets. 1,811,744; June 23.
Bruninghaus, Hugo, assignor to The Henkel-Clauss Company, Fremont, Ohio. Manicuring appliance. 1,837,849; Dec. 22.
Brunk, Harold J. (See Lord, T., and Brunk.)
Brunk, Harold J., assignor to C. F. Pease Company, Chicago, Ill. Machine for making blue prints and other photoprints. 1,804,739; May 12.
Brunk, Harold J., assignor, by mesne assignments, to The C. F. Pease Company, Chicago, Ill. Arc lamp. 1,812,469; June 30.
Brunk, Harold J., Chicago, Ill., assignor to C. F. Pease Company. Washing blue prints and other photoprints. 1,812,470; June 30.
Brunk, Harold J., Chicago, Ill., assignor, by mesne assignments, to C. F. Pease Company. Automatic belt adjuster. 1,818,685; Aug. 11.
Brunner, Albert H., et al. (See Stuart, T. F., and Moore, assignors.)
Brunner, Arnold, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New ω-halogen-methyl derivatives of phenol and its homologues and a new process of preparing the same. 1,807,729; June 2.
Brunner, Elmer F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vehicle wheel mounting. 1,792,807; Feb. 17.
Brunner, Elmer F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vehicle wheel mounting. 1,792,808; Feb. 17.
Brunner, Elmer F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vehicle wheel rim. 1,838,050; Dec. 22.
Brunner, Herman F. (See Dial, Robert E., assignor.)
Brunner, John, Newport, Ky. Trap. 1,788,047; Jan. 6.
Brunner, John, Chicago, Ill. Rail joint. 1,817,733; Aug. 4.
Brunner, Matthew J., Buffalo, N. Y. Curtain rod. 1,812,857; July 7.
Brunner, Matthew J., Buffalo, N. Y. Curtain fixture. 1,816,824; Aug. 4.
Brunner, Max, Schwaz, Austria. Bed fastening-fitting. 1,831,285; Nov. 10.
Bruno, Ernest, New York, N. Y. Adjustable holding device. 1,806,887; May 26.
Bruno, Leonardo, Waterbury, Conn. Window shade and curtain bracket. 1,812,429; June 30.
Bruno, William A., Astoria, assignor to C. W. Fuller, Yonkers, N. Y. Motion picture film magazine. 1,825,142; Sept. 29.
Bruno, William A., assignor to Clarostat Mfg. Co., Inc., Brooklyn, N. Y. Rheostat and potentiometer. 1,834,896; Dec. 1.
Bruns, Alfred E., Huntington, N. Y., assignor, by mesne assignments, to Johnson & Johnson, New Brunswick, N. J. Dustproof casing for spools or other articles. 1,810,594; June 16.
Bruns, Alfred E., Huntington, assignor, by mesne assignments, to Metal Package Corporation of New York, New York, N. Y. Container. 1,818,605; Aug. 11.
Bruns, August., Jamaica, N. Y. Awning. 1,817,126; Aug. 4.
Bruns, August., Jamaica, N. Y. Awning. 1,817,290; Aug. 4.
Brunsene Company of Mass., The. (See Hopkinson, Harry, assignor.)
Brunson, Sophia, et al. (See Moise, Harmon D., assignor.)
Brunstetter, Jesse R. (See Brunstetter, Walter and J. R.)
Brunstetter, Walter, and J. R. Brunstetter, Metuchen, N. J. Transit level. 1,817,671; Aug. 4.
Brunsviga-Maschinenwerke Grimme, Natalis & Co., A.-G. (See Kuhrt, Ernst, assignor.)
Brunswick-Balke-Collender Company, The. (See Bishop, Joseph W., assignor.)
Brunswick-Balke-Collender Co. (See de Correvont, Howard P., assignor.)
Brunswick-Balke-Collender Company, The. (See Johnson, George, assignor.)
Brunswick-Balke-Collender Company, The. (See Kennedy, Robert E., assignor.)
Brunswick-Balke-Collender Company, The. (See Matteson, Jesse O., assignor.)
Brunswick-Balke-Collender Company, The. (See Treiber, Theodore R., assignor.)
Brunswick-Balke-Collender Company, The. (See Wardrop, Grover O., assignor.)
Brunswick-Balke-Collender Company, The. (See Wollaston, Walter, assignor.)
Brunswick-Kroeschell Company. (See Marshall, Henry H., assignor.)
Brunton, Walter T., assignor of one-half to Paul Lessing, New York, N. Y. Electric light socket. 1,822,434; Sept. 8.
Brusch, Friedrich W. (See Becker, E., and Brusch.)
Brush, Alanson P., Detroit, Mich. Motor vehicle. 1,797,542; Mar. 24.
Brush, Alanson P., Detroit, Mich. Boat. 1,831,339; Nov. 10.
Brush, Alanson P. and W. A., Detroit, Mich. Brake mechanism. 1,831,157; Nov. 10.
Brush Beryllium Company, The. (See Sawyer, C. B., and Kjellgren, assignors.)
Brush, Charles F., jr. (See Sawyer, C. B., and Brush.)
Brush, Charles L., Ruth, Nev. Shoe cabinet. 1,826,700: Oct. 6.
Brush, Frederick F., assignor to Paragon Vaporizer Corporation, Chicago, Ill. Double feed fuel vaporizer. 1,834,202; Dec. 1.
Brush, William A. (See Brush, A. P. and W. A.)
Bruson, Herman A., Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Rubber conversion product and producing same. 1,797,188; Mar. 17.
Bruson, Herman A., Germantown, assignor to Rohm & Haas, Co., Inc., Philadelphia, Pa. Condensation product of ketonic acids. 1,807,503; May 26.
Bruson, Herman A., Germantown, assignor to Rohm & Haas Company, Philadelphia, Pa. Resin. 1,813,838; July 7.
Bruson, Herman A., Germantown, assignor to Rohm & Haas Company, Philadelphia, Pa. Condensation product and method of preparing. 1,815,886; July 21.
Bruson, Herman A., assignor to Röhm & Haas Company, Philadelphia, Pa. Mixed ester of benzophenone-poly carboxylic acid. 1,829,038; Oct. 27.
Bruson, Herman A., Germantown, assignor to Rohm & Haas Company, Philadelphia, Pa. Plasticizer for cellulosic derivatives. 1,835,203; Dec. 8.
Brüssow, Hermann, Barnimscunow, Germany, assignor of one-half to H. Wolfgramm and one-half to C. Bergmann, Milwaukee, Wis. Potato digging machine. 1,818,192; Aug. 11.
Brust, Charles A., Morristown, N. J. Tent frame. 1,823,386; Sept. 15.
Brutzkus, Markus, Paris, France. Synthesis of organic bodies suitable for automobile engines from water gas or similar gas. 1,832,762; Nov. 17.
Bruun, Lars, Drammen, Norway. Hinge seat cutter. 1,829,921; Nov. 3.
Bryan, Artis C., Syracuse, N. Y. Oil burning heater. 1,829,125; Oct. 27.
Bryan, Bert, La Fayette, Ind. Ironing board. 1,803,167; Apr. 28.
Bryan, Cassius M., West Springfield, assignor to Strathmore Paper Company, Mitteneague, Mass. Laminated ornamental paper. 1,818,459; Aug. 11.
Bryan, Charles F., North Plainfield, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Wiper mechanism for intaglio plate printing machines. 1,815,700; July 21.
Bryan, Everett, assignor of one-half to C. E. Judd, Chicago, Ill. Lap welding machine. 1,813,727; July 7.
Bryan, Fred. (See Young, J. A., and Bryan.)
Bryan, George A., Springfield, Ill. Stirrup and socket structure for trestles. 1,797,543; Mar. 24.
Bryan, George A., Peru, Ind., assignor to Bryan Steam Corporation. Device for bending tubes. 1,810,340; June 16.
Bryan, George A., Peru, Ind., assignor to Bryan Steam Corporation. Combustion chamber. 1,817,801; Aug. 4.
Bryan, George A., Peru, Ind., assignor to Bryan Steam Corporation. Steam boiler. 1,824,256; Sept. 22.
Bryan, Harold W., South Hills, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,810,945; June 23.
Bryan, James E., Seattle, Wash. Electric hammer. 1,827,611; Oct. 13.
Bryan, Julian, Lafleur, Wash. Animal trap. 1,828,486; Oct. 20.
Bryan, Otis C., Oakland, Calif. Vehicle direction indicator. 1,802,627; Apr. 28.
Bryan Steam Corporation. (See Bryan, George A., assignor.)
Bryan, William J., et al. (See Braner, George H., assignor.)
Bryant, Blanche B., administratrix. (See Bryant, William L.)
Bryant, Cyrus A., Passaic, N. J. Tool. 1,802,903; Apr. 28.
Bryant, Cyrus A., Passaic, N. J. Latch for tool handles. 1,802,904; Apr. 28.
Bryant, Cyrus A., Passaic, N. J. Cutting implement. 1,802,906; Apr. 28.
Bryant, Cyrus A., assignor of one-half to J. L. Wentz, Passaic, N. J. Shears. 1,802,905; Apr. 28.

Bryant, Donald C., Newton, Iowa. Washing machine. 1,834,936; Dec. 8.
Bryant Electric Company, The. (See Anderson, Carl E., assignor.)
Bryant Electric Company, The. (See Erikson, Gust E., assignor.)
Bryant Electric Company, The. (See Johnson, George A., assignor.)
Bryant Electric Company, The. (See Johnson, Richard L., assignor.)
Bryant Electric Company, The. See McKinley, Benjamin P., assignor.)
Bryant Electric Company, The. (See Ullrich, Emil H. W., assignor.)
Bryant, George F., assignor to Marye Safety Nut Corporation, Chicago, Ill. Metal working machine. 1,836,954; Dec. 15.
Bryant, Harold C. T., Wimbledon, London, England. Construction of ships and other structures. 1,831,479; Nov. 10.
Bryant, Harriet C., Potsdam, N. Y. Card table. 1,795,592; Mar. 10.
Bryant Heater and Manufacturing Company, The. (See Fox, O., and Stark, assignors.)
Bryant Heater & Manufacturing Company, The. (See Stark, Willet E., assignor.)
Bryant, John, Cardiff, Wales. Internal combustion engine. 1,806,608; May 26.
Bryant, Joseph E., Los Angeles, Calif. Toilet device. 1,823,253; Sept. 15.
Bryant, Leonard N., Memphis, Tenn., W. W. East, jr., Oxford, Miss., and M. S. Swain, Chicago, Ill. Vehicle jack. 1,809,579; June 9.
Bryant, Ozro N. (See Marsland, R., and Bryant.)
Bryant, Ozro N., Moores and A. F. Schwendner, Essington, Pa., assignors to Westinghouse Electric and Manufacturing Company. Fluid pressure governing mechanism. 1,805,972; May 19.
Bryant, Roderick W., Omaha, Nebr. Double slope re-railing frog. 1,827,220; Oct. 13.
Bryant, Roy B., Dallas, Tex. Sound-reproducing machine. 1,799,148; Apr. 7.
Bryant, Thomas J. (See Swoyer, F., and Bryant.)
Bryant, Thomas W., Torrington, Conn. Golf-club shaft. 1,796,274; Mar. 10.
Bryant, Weaver H., assignor of one-half to L. G. Moore and L. F. Moore, North Little Rock, Ark. Safety lock or coupling. 1,834,678; Dec. 1.
Bryant, Wilfred R. (See Hole, J. H., and Bryant.)
Bryant, William A., assignor to New Way Luggage Carrier Co., Miami, Fla. Luggage carrier. 1,834,825; Dec. 1.
Bryant, William G., Marion, N. C. Cigarette and cigar lighter. 1,833,931; Dec. 1.
Bryant, William L., Springfield, Vt. Multiple-spindle grinding machine or the like. 1,794,440; Mar. 3.
Bryant, William L., deceased; B. B. Bryant, administratrix, Springfield, Vt. Truing mechanism for grinding wheels. 1,827,967; Oct. 20.
Bryant, William L., deceased; B. B. Bryant, administratrix, Springfield, Vt. Wheelhead and the like. 1,827,968; Oct. 20.
Bryant, William T., assignor to W. A. Williams, Houston, Texas. Refining oils. 1,812,923; July 7.
Bryant, William T., assignor to W. A. Williams, Houston, Tex. Making lubricating oil. 1,812,924; July 7.
Bryars, Frederick S. (See Ray, Joseph R., assignor.)
Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Automatic control system. 1,787,719; Jan. 6.
Bryce, James W., Bloomfield, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Compound lens for reading scale charts. 1,788,011; Jan. 6.
Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Card-punching device. 1,791,950; Feb. 10.
Bryce, James W., Bloomfield, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Factor-lever weighing scale. 1,791,951; Feb. 10.
Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Group-indicating system for tabulators. 1,791,952; Feb. 10.
Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Translating device for accounting machines. 1,791,953; Feb. 10.
Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Printing and perforating machine. 1,800,596; Apr. 14.
Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Time recorder. 1,807,828; June 2.
Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Printing mechanism for accounting machines. 1,812,838; June 30.
Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Tabulating machine. 1,817,434; Aug. 4.
Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Delinquency signaling system. 1,819,699; Aug. 18.
Bryce, James W., Bloomfield, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Weighing scale. 1,821,087; Sept. 1.
Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Synchronizing clock. 1,825,575; Sept. 29.
Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Tabulator with individual column reset. 1,834,767; Dec. 1.
Bryce, James W., Bloomfield, N. J., and F. Thomas, New York, assignors to The Tabulating Machine Company, Endicott, N. Y. Time-controlled accounting machine. 1,835,373; Dec. 8.
Brydon, Herbert B., Oak Park, assignor to Earnest E. Lee Co., Chicago, Ill. Furnace grate bar. 1,823,235; Sept. 15.
Brylka, Joseph S., Du Bois, Pa. Box lock. 1,806,518; May 19.
Bryson, Charles G., assignor to Erie Restaurant Equipment Company, Erie, Pa. Cooker. 1,814,122; July 14.
Bryson, Tandy A., Troy, N. Y. Centrifugal process and mechanism. 1,828,096; Oct. 20.
Bryson, Tandy A., Troy, N. Y., assignor to Tolhurst Machine Works. Safety guard for centrifugal machines. Re18,254; Nov. 24.
Bryson, Tandy A., assignor, by mesne assignments, to Tolhurst Machine Works, Inc., Troy, N. Y. Safety guard for centrifugal extractors. 1,797,602; Mar. 24.
Bryson, Tandy A., assignor, by mesne assignments, to Tolhurst Machine Works, Inc., Troy, N. Y. Safety guard for centrifugal extractors. 1,797,603; Mar. 24.
Bryson, Tandy A., assignor to Tolhurst Machine Works, Inc., Troy, N. Y. Electric power distributing system. 1,802,751; Apr. 28.
Bryson, Tandy A., and F. I. Williams, Troy, N. Y., assignors to Tolhurst Machine Works, Inc. Centrifugal extractor. Re18,174; Sept. 1.
Brzinski, Walter, Fullerton, Nebr. Straw spreader. 1,798,189; Mar. 31.
Bub, Leopold. (See Kramer, O., and Bub.)
Bubb, William F., Mitcham, England, assignor to Radio Corporation of America. Interrupter especially suitable for use in wireless telegraphy. 1,794,669; Mar. 3.
Bubblestone Company, The. (See Rice, John A., assignor.)
Buc, Hyym E., Roselle, N. J., assignor to Standard Oil Development Company. Making isopropyl acetate. 1,808,155; June 2.
Buc, Hyym E., Roselle, N. J., assignor to Standard Oil Development Company. Separation of oxygen-containing materials from their solutions in hydrocarbons. 1,820,907; Sept. 1.
Buc, Hyym E., Roselle, and H. R. Tate, Elizabeth, N. J., assignors to Standard Oil Development Company. Purification of oil soluble sodium sulphonates. 1,811,535; June 23.
Bucciali, Albert P., Paris, France. Motor vehicle. 1,837,106; Dec. 15.
Buccicone, Dario, Gary, Ind., assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Hot-mill catcher. 1,796,745; Mar. 17.
Buccicone, Dario, Gary, Ind., assignor to American Sheet and Tin Plate Company. Hot mill catcher. 1,837,107; Dec. 15.
Buccola, Joseph, assignor to National Self Feeding Iron Company, Incorporated, Los Angeles, Calif. Electric soldering iron. 1,819,671; Aug. 18.
Bucey, George M., Englewood, assignor of one-half to J. D. Chanslor, Kansas City, Mo. Purifying tank. 1,804,462; June 16.
Buchan, Hugh G., assignor to Buchan Telephone Records Co., Philadelphia, Pa. Sticker for filing prints in binders. 1,816,175; July 28.
Buchan Telephone Records Co. (See Buchan, Hugh G., assignor.)
Buchanan, Ernest L., assignor to Shakespeare Company, Kalamazoo, Mich. Artificial bait or lure. 1,801,951; Apr. 21.
Buchanan, Frank, and R. E. Crossley, assignors to Crouse-Hinds Company, Syracuse, N. Y. Lamp construction. 1,796,318; Mar. 17.
Buchanan, Frederick F., Machipongo, Va. License-tag holder for automobiles. 1,794,224; Feb. 24.
Buchanan, Frederick R., Whitemarsh, Pa. Tool. 1,837,405; Dec. 22.
Buchanan, Guy H., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Insecticide and fumigant. 1,795,593; Mar. 10.
Buchanan, Guy H., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Separating adhering particles. 1,806,888; May 26.
Buchanan, James H., Los Angeles, Calif. Phonograph sound reproducer. 1,828,171; Oct. 20.
Buchanan, John C., assignor to Norge Corporation, Detroit, Mich. Antireverse mechanism. 1,835,756; Dec. 8.
Buchanan, Michael K., and A. G. Horton, Norfolk, Va. Refrigerating tray. 1,823,187; Sept. 15.
Buchanan, Michael K., and A. G. Horton, Norfolk, Va. Refrigerating pan. 1,830,260; Nov. 3.
Buchanan, Stephen N., assignor to The Thomas & Betts Co., Elizabeth, N. J. Pipe coupler. 1,793,455; Feb. 24.
Buchanan, Truman B., Denver, Colo. Store front or the like. Des. 84,129; May 12.

Buchanan-Wollaston, Hugo J., Pakefield, England. Mechanical toy. 1,808,015; June 2.
Buchel, Jules, assignor of one-half to the estate of Charles Louque, New Orleans, La. Burner. 1,825,047; Sept. 29.
Bucher, Walter M., Mar Vista, Calif. Fluid-power rotary drive. 1,797,567; Mar. 24.
Bucherer, Hans T., Charlottenburg, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Producing or developing azo dyes. 1,815,965; July 28.
Buchholtz, Ferdinand, Keystone, Wis. Adjustable chimney cleaner. 1,801,718; Apr. 21.
Buchholz, Max, Cassel, Germany. Protection of electrical apparatus. 1,796,746; Mar. 17.
Buchholz, Max E., assignor to The Bright Star Battery Company, Hoboken, N. J. Flash light. 1,826,864; Oct. 13.
Buchholz, Otto J., Lindsay, assignor of one-half to J. E. Storms, Glendive, Mont. Wireworking tool. 1,802,871; Apr. 28.
Büchi, Alfred, assignor to Swiss Locomotive and Machine Works, Winterthur, Switzerland. Cylinder head for internal-combustion engines. 1,791,920; Feb. 10.
Büchi, Alfred, assignor to Swiss Locomotive and Machine Works, Winterthur, Switzerland. Cylinder head for internal-combustion engines. 1,797,939; Mar. 24.
Buchina, Joseph. (See Koch, L. B., and Buchina.)
Buchler, Clifford C., Casper, Wyo., assignor to Standard Oil Company, Whiting, Ind. High melting point wax. 1,828,354; Oct. 20.
Buchli, Jacob, Winterthur, Switzerland. Composite crank axle for vehicles traveling on rails. 1,821,612; Sept. 1.
Buchner, Max, Hanover-Kleefeld, Germany. Producing alumina from aluminiferous substances. 1,792,410; Feb. 10.
Bucholz, Hermann, Berlin, Germany, assignor to W. D. Grote. Making molded articles. 1,810,126; June 16.
Buchsbaum, Herbert, Chicago, Ill. Mounting wall plates. 1,797,635; Mar. 24.
Buchtel, Benjamin J. (See Nulsen, M. E., and Buchtel.)
Büchting, M. U., Berlin; H. Grüss, Berlin, Staaken, and W. Liesegang, Berlin-Charlottenburg, assignors to Simens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Arrangement for the regulation of steam generators. 1,789,863; Jan. 20.
Buck, Everett S., Cincinnati, Ohio, assignor to The General Iron Works Company, Cincinnati, Ohio. Humidifying air. 1,788,447; Jan. 13.
Buck, Frederick S. (See Ballard, F. D., and Buck.)
Buck, George C., Hickman, Ky. Valve system for internal combustion engines. 1,829,581; Oct. 27.
Buck, John M., assignor of one-half to J. B. Blatzer, Birmingham, Ala. Curtain and shade fixture. 1,802,134; Apr. 21.
Buck, Lucien, assignor of one-half to James Hunter Machine Company, North Adams, Mass. Conveyor. 1,800,432; Apr. 14.
Buck, Mitchell S., Philadelphia, Pa. Valve. 1,832,528; Nov. 17.
Buck, Nelson E., J. H. Warner, and T. P. Lewis, assignors to Associated Engineers Company, Chicago, Ill. Method of and apparatus for identifying phases of electric circuits. 1,836,788; Dec. 15.
Buck, Theodore C., jr., Baltimore, Md. Colony counting apparatus for laboratory use. 1,829,472; Oct. 27.
Buck, Thomas W., Hosiery Co. (See Fulmer, Frederick H., jr., assignor.)
Buckbee, John C., Chicago, Ill. Cement kiln. 1,800,247; Apr. 14.
Buckbee, John C., Chicago, Ill. Concrete railroad tie. 1,814,239; July 14.
Buckels, Christopher C., assignor to Tri-Plex Electrical Manufacturing Company, Chicago, Ill. Outlet box and supporting the same. 1,791,117; Feb. 3.
Buckels, Christopher C., assignor to Tri-Plex Electrical Manufacturing Company, Chicago, Ill. Adjustable outlet box. 1,791,118; Feb. 3.
Buckendale, Laurence R., Detroit, Mich. Driving mechanism. 1,788,978; Jan. 13.
Buckenham, Archibald G. (See Burstein, M., and Buckenham.)
Buckert, Homer A., St. Louis, Mo. Audible signal for motor vehicles. 1,796,826; Mar. 17.
Buckeye Blower Company, The. (See Harnett, Lewis D., assignor.)
Buckeye Incubator Manufacturing Company, The. (See Le Daum, H. L., and Sturgis, assignors.)
Buckeye Incubator Manufacturing Company, The. (See Schaefer, Carl A., jr., assignor.)
Buckeye Iron and Brass Works. (See Rike, F. F., and Huffman, assignors.)
Buckeye Jack Manufacturing Company, The. (See Rodman, C. J., and Clark, assignors.)
Buckeye Steel Castings Company, The. (See Bush, Samuel P., assignor.)
Buckeye Steel Castings Company. (See Filander, A. H., and Johnson, assignors.)
Buckeye Steel Castings Company, The. (See Johnson, George T., assignor.)
Buckeye Steel Castings Company, The. (See Johnson, G. T., and Large, assignors.)
Buckeye Steel Castings Company, The. (See Johnson, G. T., and Stertzbach, assignors.)
Buckeye Steel Castings Company, The. (See Nothacker, Edward M., assignor.)
Buckeye Steel Castings Company, The. (See Speck, W. C., and Barker, assignors.)
Buckeye Steel Castings Company, The. (See Spiller, G. A., and Johnson, assignors.)
Buckeye Steel Castings Company, The. (See Whitridge, John C., assignor.)
Buckeye Steel Castings Company, The. (See Whitridge, J. C., and Orr.)
Buckeye Steel Castings Company, The. (See Whitridge, J. C., and Wolfe, assignors.)
Buckeye Traction Ditcher Co., The. (See Allen, Earl E., assignor.)
Buckeye Traction Ditcher Company, The. (See George, Charles L., assignor.)
Buckeye Traction Ditcher Company, The. (See Yocum, Charles F., assignor.)
Buckeye Twist Drill Company, The. (See Rodman, C. J., and Dunmire, assignors.)
Buckingham, Earle, Belmont, Mass. Worm and tap grinder. 1,798,832; Mar. 31.
Buckingham, Earle, Belmont, assignor to The Foxboro Company, Foxboro, Mass. Instrument for exhibiting a function of a variable. 1,830,087; Nov. 3.
Buckingham, Earle, Cambridge, Mass., and W. A. Kosken, New York, N. Y., assignors, by mesne assignments, to Wilho A. Kosken, Inc. Apparatus for projecting motion pictures. 1,836,898; Dec. 15.
Buckingham, William D. (See Homer, E. C., and Buckingham.)
Buckingham, William H., Binghamton, N. Y. Climber. 1,789,332; Jan. 20.
Buckius, Albert O., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Railway truck. 1,828,280; Oct. 20.
Buckius, Albert O., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box. 1,828,312; Oct. 20.
Buckius, Albert O., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box. 1,828,313; Oct. 20.
Buckius, Albert O., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box construction. 1,828,314; Oct. 20.
Buckius, E. M., et al. (See Griffin, Albert D., assignor.)
Buckland, Earl M., assignor to Rockwell-Barnes Company, Chicago, Ill. Loose-leaf folder. 1,808,884; June 9.
Buckland, Frank A., Rochester, N. Y. Excavating machine. 1,812,925; July 7.
Buckland, Frank A., Rochester, N. Y. Excavating machine. 1,812,926; July 7.
Buckle, Carl H., and G. R. McPhail, Magnolia, Tex. Cotter key puller. 1,812,682; June 30.
Buckle, Horace L. T., Iver Heath, England, assignor to Victor Talking Machine Company. Talking machine. 1,817,477; Aug. 4.
Buckle, Horace L. T., Iver Heath, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Record magazine for talking machines. 1,823,084; Sept. 15.
Bucklen, Herbert E., Corporation. (See Bucklen, Herbert E., assignor.)
Bucklen, Herbert E., Corporation. (See Bucklen, H. E., and Putt, assignors.)
Bucklen, Herbert E., Elkhart, Ind., assignor to H. E. Bucklen Corporation. Electric windmill. 1,816,632; July 28.
Bucklen, Herbert E., Elkhart, Ind., assignor to Herbert E. Bucklen Corporation. Wind operated power plant. 1,818,672; Aug. 11.
Bucklen, Herbert E., Elkhart, Ind., assignor to Herbert E. Bucklen Corporation. Wind driven generator. 1,822,078; Sept. 8.
Bucklen, Herbert E., and H. O. Putt, Elkhart, Ind., assignors to Herbert E. Bucklen Corporation. Impeller. 1,792,212; Feb. 10.
Bucklen, Herbert E., and H. O. Putt, Elkhart, Ind., assignors to Herbert E. Bucklen Corporation. Collector and bearing assembly. 1,829,888; Nov. 3.
Buckley, John J., Chester, Pa. Rotary cutting operations and apparatus therefor. 1,809,019; June 9.
Buckley, John L., Portland, Oreg. Arbor hub. 1,833,203; Nov. 24.
Buckley, Oliver E., Maplewood, and R. V. L. Hartley, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone transmission. 1,809,828; June 16.
Buckley, Thomas A. (See Terry, M. C., Kalischer, and Buckley.)
Buckman, John S., Flushing, N. Y. Collapsible table. 1,831,842; Nov. 17.
Bucknell, Ernest H. (See Bletcher, R. E., and Bucknell.)
Buckner, Royle A., Nevada, Mo. Coffee maker. 1,833,823; Nov. 24.
Buckner, Thomas E., Burkburnett, Tex. Belt cutter. 1,805,163; May 12.
Buckner, William A., Fresno, Calif. Oscillating sprinkler. 1,811,171; June 23.
Buckner, William A., Fresno, Calif. Slow motion rotary sprinkler. 1,815,395; July 21.
Buckner, William A., Fresno, Calif. Slow motion rotary sprinkler. 1,815,880; July 21.
Buckwalter, Clarence J. Chicago, Ill. Timing device. 1,803,094; Apr. 28.

Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller-bearing construction 1,794,580; Mar. 3.
Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Self-aligning bearing. 1,795,471; Mar. 10.
Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Locating locomotive axles. 1,826,503; Oct. 6.
Buckwell, Arthur W. (See Morss, E. L., Buckwell, and Smith.)
Bucyrus Company. (See Ferris, Walter, assignor.)
Bucyrus-Erie Company. (See Bager, W. M., and Lehman, assignors.)
Bucyrus-Erie Company. (See Bauer, Edward, assignor.)
Bucyrus-Erie Company. (See Fuller, F. A., and Moore, assignors.)
Bucyrus-Erie Company. (See Fykse, Mitchell L., assignor.)
Bucyrus-Erie Company. (See Fykse, M. L., and Hoar, assignors.)
Bucyrus-Erie Company. (See Lehman, W., and Davidson, assignors.)
Bucyrus-Erie Company. (See Stevens, Paul S., assignor.)
Bucyrus-Erie Company. (See Wright, Charles G., assignor.)
Buczkowski, Edward J., assignor to Ambler Asbestos Shingle & Sheathing Company, Ambler, Pa. Waterproof and dielectric asbestos lumber. 1,804,740; May 12.
Buda Company, The. (See Fisher, Raymond B., assignor.)
Buda Company, The. (See Gormley, Frank L., assignor.)
Budd, Edward G., Manufacturing Company. (See Edelson, Leon, assignor.)
Budd, Edward G., Manufacturing Co. (See Eksergian, Carolus L., assignor.)
Budd, Edward G., Manufacturing Co. (See Green, Charles R., assignor.)
Budd, Edward G., Manufacturing Co. (See Ledwinka, Joseph, assignor.)
Budd, Edward G., Manufacturing Co. (See Meadowcroft, Joseph W., assignor.)
Budd, Edw. G., Mfg. Company. (See Mungen, Theodore, assignor.)
Budd, Edward G., Manufacturing Company. (See Ragsdale, Earl J. W., assignor.)
Budd, Edward G., Manufacturing Company. (See Ragsdale, E. J. W., and Whitsell, assignors.)
Budd, Edward G., Manufacturing Company. (See Tarbox, John P., assignor.)
Budd, Edward G., Manufacturing Company. (See Trautvetter, George, assignor.)
Budd, Edward G., assignor to Budd Wheel Company, Philadelphia, Pa. Disk wheel. 1,795,472; Mar. 10.
Budd, Edward G., assignor to Budd Wheel Company, Philadelphia, Pa. Rolling mill. 1,829,126; Oct. 27.
Budd, Howard L., assignor to Friedman Silver Co., Inc., Brooklyn, N. Y. Picture frame. 1,793,436; Feb. 17.
Budd, Howard L., assignor to Friedman Silver Co., Inc., Brooklyn, N. Y. Picture frame panel. 1,802,999; Apr. 28.
Budd Manufacturing Company. (See Ledwinka, Joseph, assignor.)
Budd, Walter P., Durham, N. C. Roof flashing. 1,804,246; May 5.
Budd, Walter P., Durham, N. C. Roof flashing. 1,804,315; May 5.
Budd Wheel Company. (See Bentley, Rowland, assignor.)
Budd Wheel Company. (See Budd, Edward G., assignor.)
Budd Wheel Company. (See Davenport, Talmon A., assignor.)
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Budd Wheel Company. (See Eksergian, C. L., and Tarbox, assignors.)
Budd Wheel Company. (See Eksergian, C. L., and Weightman, assignors.)
Budd Wheel Company. (See Evans, Gordon M., assignor.)
Budd Wheel Company. (See Hughes, James W., assignor.)
Budd Wheel Company. (See Hunt, J. Harold, assignor.)
Budd Wheel Company. (See Kelley, George L., assignor.)
Budd Wheel Company. (See Kuiper, Gerhard C. R., assignor.)
Budd Wheel Company. (See Nelson, Emil A., assignor.)
Budd Wheel Company. (See Reed, George B., assignor.)
Budd Wheel Company. (See Roberts, Albert O., assignor.)
Budd Wheel Company. (See, Smith, John W., assignor.)
Budd Wheel Company. (See Tarbox, J. P., and Eksergian, assignors.)
Budd Wheel Company. (See Tarbox, J. P., Eksergian, and Farr, assignors.)
Budd Wheel Company. (See Vix, George A., assignor.)
Budd Wheel Company. (See Wentworth, Robert S., assignor.)
Budd Wheel Company. (See Wiles, Charles L., assignor.)
Budde, Anna M., Madison, S. Dak. Feather washer and drier. 1,833,515; Nov. 24.
Budde, Wilhelm, Berlin-Dahlem, Germany. Telegraphic system. 1,803,379; May 5.
Buddecke, Heinrich, Chemnitz, Germany. Bobbin changing device. 1,810,754; June 16.
Buddenbrock, Charles V., Trinidad, Colo. Apparatus for treating soil. 1,796,588; Mar. 17.
Budds, Joseph D., Revere, Mass. Safety attachment for automobile jacks. 1,798,965; Mar. 31.
Buddy "L" Mfg. Co. (See Lundahl, Frederick A., assignor.)
Budich, William. (See Hawkes, George F., assignor.)
Budil, Eleonore, born Meixner, Berlin-Tempelhof, Germany. Filter for air and gases. 1,807,378; May 26.
Budlong, Edward J., assignor to Budlong & Funchess Motor Products Co., Hanford, Calif. Piston ring. 1,803,281; Apr. 28.
Budlong, Edward J., assignor to Budlong & Funchess Motor Products Co., Hanford, Calif. Piston ring. 1,803,309; Apr. 28.
Budlong & Funchess Motor Products Co. (See Budlong, Edward J., assignor.)
Budlong & Funchess Motor Products Co. (See Funchess, Fred H., assignor.)
Budlong, Robert D. (See Stephens, G. H., and Budlong.)
Budlong, Robert D., assignor to The Hammond Clock Company, Chicago, Ill. Clock case. Des. 85,026; Sept. 8.
Budlong, Robert D., assignor to The Hammond Clock Company, Chicago, Ill. Clock case. Des. 85,027; Sept. 8.
Budlong, Robert D., assignor to The Hammond Clock Company, Chicago, Ill. Combined dial and hands for a clock. Des. 85,683; Dec. 8.
Budnik, Class A., Rockport, Wash. Dam building tower. 1,837,525; Dec. 22.
Budowski, Isaar, Berlin, assignor to Chemische Fabrik Jacobus, G. m. b. H., Charlottenburg, Germany. Dressing medium for textile matter and the process of manufacturing the same. 1,809,470; June 9.
Buehler, Harry, jr. (See Chattillion, August J., assignor.)
Buehler, Leon, jr. (See Small, N. M., and Buehler.)
Buehler, Louis E. G., Oak Park, Ill. Laminated gear wheel. 1,836,439; Dec. 15.
Buehler, Philip J., Hokah, Minn. Expansible parting strip. 1,815,759; July 21.
Buehrer, Emil, Green Bay, Wis. Control valve for humidifying units. 1,789,964; Jan. 27.
Buek, Tycho, Philadelphia, Pa. Shoe and making the same. 1,810,341; June 16.
Buell, James A. (See George, J. R., and Buell.)
Buell, Wales S., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Method of and apparatus for generating and superheating steam. 1,807,505; May 26.
Buell, William H., New Haven, Conn. Metallic bellows and producing the same. 1,825,652; Oct. 6.
Buelna, Guadalupe, Santa Barbara, Calif. Sprinkler. 1,800,858; Apr. 14.
Buelow, John R., Winslow, Ill. Mirror for retinascopes. 1,817,734; Aug. 4.
Buensod, Alfred C. (See Lewis, L. L. and Buensod.)
Buerer, Wayne, Reno, Nev. Safety braking mechanism for aeroplanes. 1,807,194; May 26.
Buerger, Charles B., assignor to Gulf Refining Company, Pittsburgh, Pa. Process of and apparatus for treating oils. 1,796,138; Mar. 10.
Buerger, Charles B., assignor to Gulf Refining Company, Pittsburgh, Pa. Process of and apparatus for heating oil for cracking distillation. 1,838,211; Dec. 29.
Buerger, Walter Z., Chicago, Ill. Storage battery tester. 1,819,072; Aug. 18.
Buess, Wilhelm, Hanover, Germany. Melting furnace. 1,801,792; Apr. 21.
Buesser, Frederick, Guttenberg, N. J. Tray and holder. 1,837,200; Dec. 22.
Buettell, Samuel E., assignor to Cross Parking Systems, Inc., Chicago, Ill. Hoisting machinery for elevators. 1,834,937; Dec. 8.
Buettner, Rudolph W. (See Zoerb, H. M., and Buettner.)
Buettner, Rudolph W., H. E. Erickson, and H. H. Talboys, assignors to Nordberg Manufacturing Co., Milwaukee, Wis. Adzing machine. 1,798,783; Mar. 31.
Buettner, T., & Co. Inc. (See Dahm, Leonard G., assignor.)
Bueckermann, John V., Denver, Colo. Refinishing device. 1,824,327; Sept. 22.
Buelna, Guadalupe, and H. E. J. Vacher, Santa Barbara, Calif. Sprinkler. 1,823,315; Sept. 15.
Buelow, Wolfgang, Ludwigshafen-on-the-Rhine, assignor, to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of glycollic acid esters. 1,823,528; Sept. 15.
Buffalo Box Factory. (See McVay, S. B. E., and Martin, assignors.)
Buffalo Brake Beam Company. (See Crone, Seth A., assignor.)
Buffalo Co-Operative Stove Co. (See Breitwieser, Edward, assignor.)
Buffalo Fire Appliance Corporation. (See Leipold, Hugo, assignor.)
Buffalo Fire Appliance Corporation. (See Young, Lester W., assignor.)
Buffalo Forge Company. (See Yates, Arthur T., assignor.)
Buffalo Foundry & Machine Company. (See Kermer, Martin J., assignor.)
Buffalo Foundry and Machine Company. (See Van Marle, Dirk J., assignor.)

Buffalo Fuse Corporation. (See Clemens, John G., assignor.)
Buffalo Hammer Mill Corporation. (See Mursch, John, assignor.)
Buffalo Pressed Steel Company. (See Haas, Lucien L., assignor.)
Buffalo Weaving and Belting Company. (See Krenz, Rudolph, assignor.)
Buffington, Calvin A., Berkshire, N. Y. Folding chair. 1,807,506; May 26.
Buffington, Calvin A., Berkshire, N. Y. Folding chairs and folding armchair. 1,838,212; Dec. 29.
Buffington, Edwin C., Manchester, N. H., assignor, by mesne assignments, to U. S. Bobbin & Shuttle Company, 1929, Providence, R. I. Bobbin bushing. 1,811,609; June 23.
Buffington, Floyd J., Owego, N. Y. Chair. 1,836,108; Dec. 15.
Buffington, Floyd J., Owego, N. Y. Folding chair. 1,838,213; Dec. 29.
Buffington, George A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector for looms. 1,807,730; June 2.
Buffington, Harry C. (See Weaver, G. E., and Buffington.)
Buffington, Harry C., assignor to The Baker Manufacturing Company, Springfield, Ill. Scraper or grader. 1,837,108; Dec. 15.
Buffington, Ralph M., assignor to Frigidaire Corporation, Dayton, Ohio. Absorbent for refrigerants. 1,792,628; Feb. 17.
Buffum, Herbert H., deceased, Portland Oreg.; J. L. Buffum, executrix, assignor to herself as residuary legatee. Health vibrator. 1,836,440; Dec. 15.
Buffum, Jennie L. (See Buffum, Herbert H.)
Bugbee, Lucian W., jr., assignor, by mesne assignments, to G. C. Forrey jr., Indianapolis, Ind. Lens inspecting and lay-out device. 1,790,572; Jan. 27.
Bugg, Kenly C., St. Louis, Mo. Dispenser for fasteners. 1,835,269; Dec. 8.
Bügler, Ferdinand. (See Spiegler, G., and Bügler.)
Bugmann, Urban. (See Egger, Albert, assignor.)
Buhl Stamping Company. (See Fahlman, Duncan J., assignor.)
Buhler, Henry W., Gloucester, Mass. Molded trimming. 1,820,934; Sept. 1.
Buhler, Henry W., Gloucester, Mass. Molded trimming. 1,820,935; Sept. 1.
Buhren, Hans, assignor of one-third to G. Feddersen and one-third to J. W. Stamp, Brooklyn, N. Y. Propeller of a vessel. 1,813,113; July 7.
Bührig, Henry F., Chicago, Ill., assignor, by mesne assignments, to Standard Brands Incorporated, Dover, Del. Apparatus for temperature regulation. 1,817,232; Aug. 4.
Buhrke, Alfred E., Chicago, Ill., assignor to R. H. Buhrke Company. Golf club clamping device or holder. 1,835,632; Dec. 8.
Buhrke, R. H., Company. (See Buhrke, Alfred E., assignor.)
Buijgers, Johannes T., Apeldoorn, Netherlands. Safety device for locomotives or railway motor vehicles. 1,833,516; Nov. 24.
Builders Iron Foundry. (See Connet, Frederick N., assignor.)
Buker, Earl L., Great Falls, Mont. Vapor proof switch casing. 1,818,038; Aug. 11.
Bulasky, L., Incorporated. (See Wohlpart, August J., assignor.)
Bulgarini, Luis, Buenos Aires, assignor of one-third to L. Salvo, Buenos Aires, Argentina, and one-third to Santiago Imas, New York, N. Y. Life saving device. 1,805,803; May 19.
Bulger, Arthur J., Brooklyn, assignor to Pierce Steel Pile Corporation, New York, N. Y. Machine for crimping pipe sleeves. 1,810,342; June 16.
Bulifant, Theodore A. (See Cowdery, A. B., and Bulifant.)
Bulifant, William W., Miami, Fla. Supporting attachment for lathes. 1,801,719; Apr. 21.
Bulkeley, Claude A., Kenmore, assignor to Niagara Blower Company, Buffalo, N. Y. Clip. 1,809,400; June 9.
Bulkeley, Claude A., Kenmore, assignor to Niagara Blower Company, Buffalo, N. Y. Clip. 1,816,469; July 28.
Bulkeley, Claude A., assignor to Niagara Blower Company, Buffalo, N. Y. Air conditioner. 1,826,921; Oct. 13.
Bulkeley, Houghton. (See La Pointe, Albert A., assignor.)
Bulkeley, Ralph W., Grand Rapids, Mich. Automobile body. 1,828,355; Oct. 20.
Bull, Arthur A., assignor, by mesne assignments, to Handy Cleaner Corporation, Detroit, Mich. Oil filter. 1,805,903; May 19.
Bull, Arthur A., assignor to Handy Cleaner Corporation, Detroit, Mich. Air cleaner. 1,816,633; July 28.
Bull, Arthur A., assignor to Handy Governor Corporation, Detroit, Mich. Filter. 1,822,006; Sept. 8.
Bull, Arthur A., assignor, by mesne assignments, to Handy Cleaner Corporation, Detroit, Mich. Filter. 1,836,308; Dec. 15.
Bull, Arthur A., and T. I. Larsen, assignors to Handy Cleaner Corporation, Detroit, Mich. Filter. 1,812,927; July 7.
Bull, Clinton H. M., assignor to Reed Roller Bit Company, Houston, Tex. Roller bit. 1,801,720; Apr. 21.
Bull, Clinton H. M., assignor to Reed Roller Bit Company, Houston, Tex. Drill bit. 1,802,872; Apr. 28.
Bull, Clinton H. M., assignor to Reed Roller Bit Company, Houston, Tex. Tool joint. 1,824,257; Sept. 22.
Bull, Clinton H. M., assignor to Reed Roller Bit Company, Houston, Tex. Antifriction device. 1,831,999; Nov. 17.
Bull, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)
Bull, Henrik, Bergen, Norway. Treating fatty materials to obtain fats or oils therefrom. 1,828,591; Oct. 20.
Bull, Johan, Forest Hills, assignor to Saks & Company, New York, N. Y. Pack of playing cards. Des. 85,511; Nov. 10.
Bull, Milton M., Eugene, Oreg. Tongs. 1,808,016; June 2.
Bull, William C., Santa Monica, Calif. Listing, counting, and printing machine. 1,799,408; Apr. 7.
Bull, William C., Brooklyn, N. Y., assignor to William C. Bull, Inc. Fabricating machine for laminated glass products. 1,805,389; May 12.
Bull, William C., Inc. (See Bull, William C., assignor.)
Bull, William R., Longmeadow, and C. E. Simpson, Springfield, Mass. Shock absorbing mechanism. 1,822,079; Sept. 8.
Bullard, Chipley D., New Orleans, La. Automatic safety valve. 1,824,072; Sept. 22.
Bullard Company, The. (See Bullard, E. C., and Mussler, assignors.)
Bullard Company, The. (See Bullard, Edward P., assignor.)
Bullard Company, The. (See Bullard, Edward P., jr., assignor.)
Bullard Company, The. (See Mussler, Frank H., assignor.)
Bullard, Earl J., Burlingame, Calif. Piston ring. 1,835,139; Dec. 8.
Bullard, Edward C., Southport, and F. H. Mussler, assignors, by mesne assignments, to The Bullard Company, Bridgeport, Conn. Hydraulic change-speed-gear mechanism. 1,800,982; Apr. 14.
Bullard, Edward P., Fairfield, Conn. Tool clamping means. 1,822,514; Sept. 8.
Bullard, Edward P., Fairfield, assignor to The Bullard Company, Bridgeport, Conn. Automatic work feeding and chucking means for multiple spindle lathes. 1,835,591; Dec. 8.
Bullard, Edward P., jr., Stratford, assignor to The Bullard Company, Bridgeport, Conn. Vertical turret lathe. 1,794,441; Mar. 3.
Bullard, Edward P., jr., Stratford, assignor, by mesne assignments, to The Bullard Company, Bridgeport, Conn. Multiple spindle center turning machine. 1,804,971; May 12.
Bullard, Edward P., jr., Stratford, assignor to The Bullard Company, Bridgeport, Conn. Double angular tool slide. 1,807,829; June 2.
Bullard, Edward P., jr., Stratford, assignor, by mesne assignments, to The Bullard Company, Bridgeport, Conn. Vertical spindle machine tool. 1,811,876; June 30.
Bullard, Edward W., assignor to Pacific Safety Equipment Company, San Francisco, Calif. Hat. 1,795,423; Mar. 10.
Bullard, Edward W., assignor to Pacific Safety Equipment Company, San Francisco, Calif. Safety hat. 1,810,157; June 16.
Bullard, William M., Houston, Tex. Snuffer. 1,787,927; Jan. 6.
Bull Dog Electric Products Company. (See Frank, Harrison J. L., assignor.)
Bulldog Electric Products Company. (See Frank, H. J. L., and Harper, assignors.)
Bull Dog Electric Products Company. (See Frank, H. J. L., and Jenkins, assignors.)
Bulldog Electric Products Company. (See Hollingsworth, Clarence T., assignor.)
Bull Dog Electric Products Company. (See Messing, Joseph, assignor.)
Bullington Engine Heads. (See Bullington, Frank A., assignor.)
Bullington, Frank A., Kansas City, Mo. Internal combustion engine. 1,821,139; Sept. 1.
Bullington, Frank A., assignor to Bullington Engine Heads, Kansas City, Mo. Antidetonating combustion-chamber cylinder head. 1,080,188; Apr. 7.
Bullington, Frank A., assignor to Bullington Engine Heads, Kansas City, Mo. Isothermal fuel inlet means for internal combustion engines. 1,812,197; June 30.
Bullington, Frank A., assignor to Bullington Motors, Kansas City, Mo. Rotary internal combustion engine. 1,829,391; Oct. 27.
Bullington Motors. (See Bullington, Frank A., assignor.)
Bullis, Emory G., Fulton, N. Y. Automobile door. 1,791,075; Feb. 3.
Bullis, Emory G., Fulton, N. Y. Automobile door. 1,808,129; June 2.
Bullivant, Francis J., and F. A. Miller, St. Louis, Mo. Electromagnetic device. 1,802,371; Apr. 28.
Bullnheimer, Hans, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Two-cycle engine with slot scavenging. 1,800,433; Apr. 14.
Bulloch, Harold D., Fort Worth, Tex., assignor to American Telephone and Telegraph Company. Signaling system. 1,787,508; Jan. 6.

Bullock, Carl C., Aliquippa, Pa. Pulpit desk. 1,813,793; July 7.
Bullock, Fred J., assignor to Papec Machine Company, Shortsville, N. Y. Cut-off valve for pipes and spouts. 1,838,656; Dec. 29.
Bullock, Henry E. (See Turzicky, Francis, assignor.)
Bullock, Howard W., Harrow, England. Transmission gearing. 1,820,902; Sept. 1.
Bullock, Orin M., Oakland, Calif. Tool. 1,791,710; Feb. 10.
Bullock, Pamela, deceased, county of Middlesex, England, P. W. Bullock, executor, assignor to P. W. Bullock, Hendon, Middlesex, England. Shoe, slipper, boot, and the like. 1,788,275; Jan. 6.
Bullock, Percy W. (See Bullock, Pamela, assignor.)
Bullock, Percy W., executor. (See Bullock, Pamela.)
Bullock, Thomas W., Rainhill, assignor to British Insulated Cables Limited, Prescot, England. Foundry molding machine. 1,824,009; Sept. 22.
Bullock, William S., Chicago, Ill. Spring handling machine. 1,827,561; Oct. 13.
Bully, Norman W., and H. Rupright, Flint, Mich. Signaling device. 1,798,966; Mar. 31.
Bulova, Arde, assignor to Bulova Watch Company, Inc., New York, N. Y. Dial for watches and clocks. Des. 85,028; Sept. 8.
Bulova, Joseph, assignor to Bulova Watch Company, Inc., New York, N. Y. Watch. 1,793,995; Feb. 24.
Bulova Watch Company. (See Bulova, Arde, assignor.)
Bulova Watch Company. (See Bulova, Joseph, assignor.)
Bulova Watch Company. (See Jacot, Georges, assignor.)
Bulova Watch Company. (See Scheibel, William, assignor.)
Bulthuis, William, Chicago, Ill. Shower bath cabinet. 1,806,668; May 26.
Buma, Yukio, New York, N. Y. Casserole dish. Des. 85,858; Dec. 29.
Bumbaugh, George C., Canton, Ohio, assignor of one-half to J. S. McCormick Company, Pittsburgh, Pa. Chill for castings. 1,819,765; Aug. 18.
Bumgardner, Allen R., Peabody, Kans., assignor to Phillips Petroleum Company, Bartlesville, Okla. Device for pulling or carrying sucker rods. 1,817,233; Aug. 4.
Bumstead, Charles W. (See Langley, Cortlandt J., assignor.)
Bumstead, Charles W. (See Langley, C. J., and O'Gorman, assignors.)
Bumstead, Charles W., trustee. (See Langley, Cortlandt, J., assignor.)
Bumstead, Ralph W., Westfield, N. J., assignor to International Communications Laboratories Incorporated, New York, N. Y. Communication system. 1,835,929; Dec. 8.
Bumsviga-Maschinenwerke Grimme, Natalis & Co., A.-G. (See Hoffmeister, Hermann, assignor.)
Bunce, Earl H. (See Mahler, G. T., Handwerk, and Bunce.)
Bunce, Earl H., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Preparation of coked agglomerates. 1,810,070; June 16.
Bunce, Earl H., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Reduction of zinciferous materials. 1,838,296; Dec. 29.
Bunce, Earl H., and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Reducing zinciferous material. 1,804,201; May 5.
Bunce, Earl H., and T. C. Routson, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Preparing coked agglomerates. 1,835,460; Dec. 8.
Bunce, Gwendoline D., administratrix. (See Bunce, John P.)
Bunce, John P., deceased, Willesden, London, by G. D. Bunce, administratrix, Greenford, England, assignor to Baker Perkins Company Inc., Saginaw, Mich. Tray and like conveyer. 1,801,034; Apr. 14.
Bunce, John P., London, England, assignor to Baker Perkins Co., Inc., Saginaw, Mich. Conveyer system. 1,813,794; July 7.
Bunch, Joel D., Hollywood, assignor to Earl Aviation Corporation, Ltd., Los Angeles, Calif. Aeroplane fuselage jig. 1,822,270; Sept. 8.
Bundy, Clara M. L., Tacoma, Wash. Apparatus for teaching music. 1,806,964; May 26.
Bundy, Edgar A., Modesto, Calif. Combination rumble seat and back for vehicles. 1,796,081; Mar. 10.
Bundy, Fred H., Manhattan, Kans. Hack saw. 1,812,928; July 7.
Bundy, Harry W., assignor, by mesne assignments, to Bundy Tubing Company, Detroit, Mich. Tubing. 1,827,381; Oct. 13.
Bundy, Harry W., assignor, by mesne assignments, to Bundy Tubing Company, Detroit, Mich. Making finned tubes. 1,829,979; Nov. 3.
Bundy, James A. (See Keith, R. R., Bundy, and Selzer.)
Bundy, Raphael P. (See Sluder, John R., assignor.)
Bundy Tubing Company. (See Bundy, Harry W., assignor.)
Bundy, Whitney E., Donnellsville, Ohio. Incubator. 1,800,208; Apr. 14.
Bundy, Whitney E., et al. (See Stover, Frank E., assignor.)
Bunet, Paul E., Versailles, assignor of one-half to Société Acieries de Gennevilliers, Gennevilliers, France. Rotary frequency transformer. 1,806,386; May 19.
Bungeroth, Rudolf, Dusseldorf, Germany. Tube expander. 1,808,631; June 2.
Bunker, Carey E., Oregon, Mo. Rat or mouse trap. 1,796,503; Mar. 17.
Bunker, Carey E., Oregon, Mo. Striker lifting traps. 1,830,261; Nov. 3.
Bunker, Charles A., assignor to Bunker-Clancey Manufacturing Company, Kansas City, Mo. Can opener. 1,838,525; Dec. 29.
Bunker-Clancey Manufacturing Company. (See Bunker, Charles A., assignor.)
Bunker, Frank P., North Manchester, Ind. Screen. 1,828,642; Oct. 20.
Bunker, H. M., & Company. (See Bunker, Horace M., assignor.)
Bunker, H. M., & Co. (See Gardner, Percy, assignor.)
Bunker Hill & Sullivan Mining & Concentrating Company. (See Beasley, Alfred F., assignor.)
Bunker Hill & Sullivan Mining & Concentrating Company. (See Schuettenhelm, John B., assignor.)
Bunker, Horace M., assignor to H. M. Bunker & Company, Inc., New York, N. Y. Machine for forming tubular fabrics. 1,828,554; Oct. 20.
Bunker, William S., Foxboro, and G. L. Hanscom, South Walpole, assignors to Bird Machine Company, South Walpole, Mass. Belt drive. 1,805,326; May 12.
Bunn, James M., Southington, Conn. Lifting propeller. 1,794,277; Feb. 24.
Bunn, Lorne, The Pas, Manitoba, Canada. Rock drilling machine. 1,837,947; Dec. 22.
Bunte Brothers. (See Westerfield, Brasher O., assignor.)
Bunte, Harry A., Grand Lake, assignor of one-third to A. E. Lynn and one-third to P. P. Friederich, Denver, Colo. Mechanical battle royal. 1,789,723; Jan. 20.
Bunting Brass & Bronze Company, The. (See Yager, George F., assignor.)
Bunting, Herbert C., Seattle, Wash., assignor to National Vending Service, Inc., Chicago, Ill. Single package vending machine. 1,832,091; Nov. 17.
Buonamano, Salvatore. (See Cecio, L., and Buonamano.)
Buono, Julius. (See Tavender, W. K., and Buono.)
Buote, Clarence E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical warp stop motion. 1,835,270; Dec. 8.
Buquor, Adolph, and H. Y. Stebbins, Los Angeles, Calif., assignors to The Ohio State Bank & Trust Company, Akron, Ohio. Wheel attachment for vehicles. 1,800,674; Apr. 14.
Buquor, Adolph, and H. Y. Stebbins, Los Angeles, Calif., assignors to The Ohio State Bank & Trust Company, Akron, Ohio. Wheel attachment for vehicles. 1,800,675; Apr. 14.
Burbridge, Philip G. H. (See Davis, N. R., and Burbridge.)
Burby, James D., et al. (See Barrows, A. C., Langford, and Burby.)
Burch, Alfred G. (See Henderson, S. H., and Burch.)
Burch, Cecil R. (See Brown, W. J., and Burch.)
Burch, Cecil R. (See Davis, N. R., and Burch.)
Burch, Elwood S., assignor to Round Oak Furnace Company, Dowagiac, Mich. Gas stove. Des. 85,810; Dec. 22.
Burch, Fred, Milford, Mich. Spring construction. 1,793,421; Feb. 17.
Burch, Fred, Milford, assignor to Van Dresser Specialty Corporation, Detroit, Mich. Pocket and forming the same. 1,815,028; July 14.
Burch, John, Bend, Oreg. Door-operating mechanism. 1,792,809; Feb. 17.
Burch, John F., and A. H. Morton, Billings, Mont. Fishing creel. 1,791,346; Feb. 3.
Burch, Louis A., Seattle, Wash. Rotary signboard. 1,809,960; June 16.
Burchett, George W., Peekskill, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Connecting device. 1,835,757; Dec. 8.
Burchett, Walter J., East Orange, assignor to Art Metal Works, Inc., Newark, N. J. Folding projection and display rack. 1,835,374; Dec. 8.
Burd, Gorman C., Adrian, Mich., assignor to American Cable Company, Inc. Applying fittings to stranded structures. 1,812,646; June 30.
Burd High Compression Ring Company. (See Bates, Albert H., assignor.)
Burda, John L. (See Palmer, R. C., and Burda.)
Burda, John L. (See Palmer, R. C., Burda, and Oliver.)
Burde, Paul J., Vancouver, British Columbia, Canada. Garment hanger. 1,818,193; Aug. 11.
Burden, Everett, East Liverpool, Ohio. Chipper's glove. 1,796,319; Mar. 17.
Burden, Harry C., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Suction roll shell drilling. 1,808,493; June 2.
Burdett, Albert E., and J. P. Gilligan, Alameda, Calif. Grain separator. 1,800,597; Apr. 14.
Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Filling stop mechanisms for looms. 1,791,789; Feb. 10.
Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Replenishing shuttle boxes. 1,812,079; June 30.

Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Selvage trimming mechanism. 1,819,540; Aug. 18.
Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Positive let-back mechanism for looms. 1,828,957; Oct. 27.
Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Loom for weaving thick and thin striped fabric. 1,833,046; Nov. 24.
Burdett, Oliver H., St. Catharines, Ontario, Canada. Holder for paper cups and the like. 1,808,763; June 9.
Burdette, Richard S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Wheel. 1,797,195; Mar. 17.
Burdette, Richard S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Extension felly. 1,805,036; May 12.
Burdick, Allen L. (See Wheeler, E. S., and Burdick.)
Burdick, Charles L., London, England. Paper folding machine. 1,824,073; Sept. 22.
Burdick, Charles L., London, England. Change paying device. 1,833,558; Nov. 24.
Burdick Corporation, The. (See Anderson, Fritz A., assignor.)
Burdick Corporation. (See Boyles, Carroll H., assignor.)
Burdick Corporation, The. (See Chesney, Jacques W. D., assignor.)
Burdick Corporation, The. (See Hudson, Walter, assignor.)
Burdick, Earl S., Milwaukie, and C. R. Thomas, Portland, Oreg. Casing for washing machines. Des. 83,844; Apr. 7.
Burdick, Edward C., assignor to The Dow Chemical Company, Midland, Mich. Light-metal alloy and making same. 1,788,616; Jan. 13.
Burdick, Edward C., assignor to The Dow Chemical Company, Midland, Mich. Treating magnesium. 1,795,473; Mar. 10.
Burdick, Frank, assignor to Shakespeare Company, Kalamazoo, Mich. Spring winding fishing reel. 1,811,073; June 23.
Burdick, Frank, assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,813,275; July 7.
Burdick, Herbert, East Orange, N. J., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Signal code sending device and system. 1,809,020; June 9.
Burdick, Herbert, East Orange, N. J., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Code setting device for signal systems. 1,823,585; Sept. 15.
Burdick, Herbert, East Oarnge, N. J., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Signal code sending device. 1,823,586; Sept. 15.
Burdick, Hiram B., Roanoke, Va. Valve. 1,794,581; Mar. 3.
Burdick, James M., New Britain, Conn. Clamping lever for planes. 1,812,820; June 30.
Burdick, John S., Hamburg, N. Y. Fastener for doors and the like. 1,812,858; July 7.
Burdick, Vincent H., Gardena, Calif. Carburetor attachment. 1,823,346; Sept. 15.
Burdon, Austin C. (See Boughton, E. B., Emmott, Brock, and Burdon.)
Bureau, Arthur A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Chock. 1,789,458; Jan. 20.
Bureau, Arthur A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel. 1,822,474; Sept. 8.
Bureau of Engraving, Inc. (See Feinberg, Albert A., assignor.)
Burford, Ashton, et al. (See Jones, James T., assignor.)
Burford, James C., Winston-Salem, N. C. Steam engine. 1,802,233; Apr. 21.
Burford, Russell D., Chicago, Ill. Spring device. 1,816,358; July 28.
Burford, Tom A. (See Armitage, F. W., and Archer, assignors.)
Burgamy, J. R. (See Lockhard, Frank S., assignor.)
Burgard, Louis C., Louisville, Ky. Mixer. 1,839,082; Dec. 29.
Burgdorfer, Marie E., Los Angeles, Calif. Child's play dress. 1,797,604; Mar. 24.
Burgen, Fred F., Alhambra, assignor of one-tenth to J. and S. Niederhauser, Monterey, Calif. Ceiling and floor lock unit partition. 1,803,168; Apr. 28.
Burger, Abraham, Toronto, Ontario, Canada. Smoker's article. 1,802,938; Apr. 28.
Burger, Clarence W., Cherrydale, Va., assignor to National Electrical Supply Company, Washington, D. C. Electrical generator. 1,796,437; Mar. 17.
Burger, Frederick W. (See Stockfleth, B., and Burger.)
Burger, Frederick W., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Wheel for automobiles. 1,829,889; Nov. 3.
Burger, Joseph, Brooklyn, N. Y. Shoe heel. 1,792,965; Feb. 17.
Burger, Joseph, Brooklyn, N. Y. Heel. 1,797,940; Mar. 24.
Burger, Leopold F., Riverside, Ill., assignor to International Harvester Company. Automatic impulse coupling for magnetos. 1,793,586; Feb. 24.
Burger, Leopold F., Riverside, assignor to International Harvester Company, Chicago, Ill. Powder dusting machine. 1,832,963; Nov. 24.
Burgess, Andrew O. (See Woolson, H. T., and Burgess.)
Burgess, Andrew O., Brooklyn, assignor to J. R. Wood & Sons, Inc., New York, N. Y. Ring. Des. 83,719; Mar. 24.
Burgess Battery Company. (See Henderson, Joseph M., assignor.)
Burgess Battery Company. (See Nygard, Halvard F., assignor.)
Burgess Battery Company. (See Reynolds, Benjamin S., assignor.)
Burgess Battery Co. (See Schorger, Arlie W., assignor.)
Burgess Battery Company. (See Schulte, Walter B., assignor.)
Burgess Battery Company. (See Zook, John S., assignor.)
Burgess, C. F., Laboratories, Inc. (See Andree, Clarence A., assignor.)
Burgess, C. F., Laboratories, Inc. (See Kliefoth, Max, assignor.)
Burgess, C. F., Laboratories, Inc. (See Kliefoth, Max H., assignor.)
Burgess, C. F., Laboratories, Inc. (See Lee, Herman C., assignor.)
Burgess, C. F., Laboratories, Inc. (See Norris, Ralph F., assignor.)
Burgess, C. F., Laboratories, Inc. (See Schnell, Frederick H., assignor.)
Burgess, C. F. Laboratories Inc. (See Schorger, Arlie W., assignor.)
Burgess, C. F. Laboratories, Inc. (See Weiss, Howard F., assignor.)
Burgess, Clyde B., Cloverdale, Calif. Ladder. 1,829,980; Nov. 3.
Burgess, Joseph E., assignor to American Lithographic Company, Inc., New York, N. Y. Calendar. 1,798,586; Mar. 31.
Burgess, Joseph E., New York, assignor to The United States Printing & Lithograph Company, Brooklyn, N. Y. Display toy aeroplane. 1,803,789; May 5.
Burgess, Joseph E., New York, assignor to The United States Printing and Lithographing Company, Brooklyn, N. Y. Display device. 1,808,099; June 2.
Burgess, Laurie L., Cambridge, Mass., assignor to Plastic, Inc. Making product from vegetable growths and the products thereof. 1,820,046; Aug. 25.
Burgess, Louis. (See Holmes, A., and Burgess.)
Burgess, Louis. (See Loomis, N. E., and Burgess.)
Burgess, Louis, Roselle, N. J. Converting hydrocarbon oils. 1,822,861; Sept. 8.
Burgess, Louis, Roselle, N. J. Multiple trip container. 1,835,461; Dec. 8.
Burgess, Lysle P., assignor, by mesne assignments, to Emsco Derrick & Equipment Company, Los Angeles, Calif. Coupling for connecting pump rods and plungers. 1,827,188; Oct. 13.
Burgess, Robert F., Washington, D. C. Luggage carrier for automobiles. 1,823,783; Sept. 15.
Burgess, Samuel P., assignor to Rock Island Register Company, Rock Island, Ill. Universal shoe or receiving box for furnace work. 1,808,450; June 2.
Burgess, Walter E. (See Addicks, J. C., and Burgess.)
Burgess, Walter K., Santa Monica, Calif. Supercharger structure. 1,793,903; Feb. 24.
Burgess, Willard L., Kansas City, Mo. Lamp. 1,813,905; July 14.
Burghardt, Clair A., Bridgeport, Conn., assignor by mesne assignments, to American Hair & Felt Company, Chicago, Ill. Ammunition. 1,834,377; Dec. 1.
Burghardt, Clair A., Bridgeport, Conn., assignor, by mesne assignments, to American Hair & Felt Company, Chicago, Ill. Ammunition. 1,834,378; Dec. 1.
Burghardt, Roland T. (See Hooker, Jesse J., assignor.)
Burghart, Frank G., jr., Lakewood, Ohio. Necktie spreader. 1,833,353; Nov. 24.
Burghart, Lloyd M., Baltimore, Md., assignor to U. S. Industrial Alcohol Co., New York, N. Y. Manufacture of cellulose acetate. 1,816,564; July 28.
Burghart, Lloyd M., Baltimore, Md., assignor to U. S. Industrial Alcohol Co., New York, N. Y. Manufacture of cellulose acetate. 1,822,563; Sept. 8.
Burgin, Paul D., Kansas City, Mo. Head-lamp-rim remover. 1,788,507; Jan. 13.
Burgoyne, John L., San Mateo, Calif., assignor to Wilson-Jones Company, Chicago, Ill. Loose leaf device. 1,811,348; June 23.
Burhans, Harry H., New York, N. Y. Filtering medium. 1,833,315; Nov. 24.
Burhop, Emil, Geneva, Switzerland. Explosive engine. 1,829,631; Oct. 27.
Burk, Clarence E., Marion, Ohio. Combined reproduction and sending unit. 1,824,655; Sept. 22.
Burk, Jarvey J., Etty, Ky. Mail conveyer. 1,834,826; Dec. 1.
Burkart, Harry J., Kirkwood, Mo. Cushion pad. 1,820,047; Aug. 25.
Burke, Alfred W., Pelham Manor, N. Y., assignor, by mesne assignments, to The Black and Decker Manufacturing Company, Towson, Md. Washing machine. Re17,945; Feb. 3.
Burke, Arthur R., Rochester, Minn. Folding deck stock car. 1,809,772; June 9.

Burke, Caroline A., Chicago, Ill. Lamp base. Des. 84,563; July 7.
Burke, Caroline A., Chicago, Ill. Lamp base. Des. 84,564; July 7.
Burke, Caroline A., Chicago, Ill. Lamp base. Des. 84,565: July 7.
Burke, Charles E. (See Stine, C. M. A., and Burke.)
Burke, Denis J., assignor to P. Schidrowitz, London, England. Paint for application to rubber and rubber surfaces. 1,814,823; July 14.
Burke, Edmund, assignor to Brown Company, Portland, Me. Insulator. 1,799,580; Apr. 7.
Burke, Edmund, Portland, Me., assignor to Brown Company, Berlin, N. H. Multiple conduit. 1,799,674; Apr. 7.
Burke, Edmund, Portland, Me., assignor to Brown Company, Berlin, N. H. Multiple conduit. 1,822,475; Sept. 8.
Burke, Edmund, Portland, and J. C. Sherman, Gorham, Me., assignors to Brown Company, Berlin, N. H. Multiple conduit. 1,799,672; Apr. 7.
Burke, Edmund, Portland, and J. C. Sherman, Gorham, Me., assignors to Brown Company, Berlin, N. H. Multiple conduit. 1,799,673; Apr. 7.
Burke, Edmund H., Norman, Okla. Windshield-wiper support. 1,787,893; Jan. 6.
Burke, Edmund H., Norman, Okla. Windshield-wiper support. 1,787,894; Jan. 6.
Burke, Edward J., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Shipping crate or similar containers. Des. 83,792; Mar. 31.
Burke Electric Company. (See Burke, James, assignor.)
Burke, Elmer H., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Pattern grading machine. 1,807,195; May 26.
Burke, Frank D., Rocky River Village, assignor to The Passivation Products Company, Cleveland, Ohio. Chemical composition and metal-treatment process. 1,789,805; Jan. 20.
Burke, Harry R., et al. (See Carnes, James R., assignor.)
Burke, Hiram P. (See Harvey, Lee, assignor.)
Burke, James, Erie, Pa., assignor to Burke Electric Company. Terminal block. 1,815,233; July 21.
Burke & James, Inc. (See Drucker, George A., assignor.)
Burke, James P., assignor of one-half to Mack Molding Company, Wayne, N. J., and one-half to Armstrong Cork Company, Lancaster, Pa. Container cap. Des. 85,512; Nov. 10.
Burke, James P., assignor of one-half to E. M. Cahalan, Newark, N. J. Internal combustion engine. 1,812,859; July 7.
Burke, Jeremiah, Terre Haute, Ind. Steam boiler. 1,803,790; May 5.
Burke, Joseph T., Camden, N. J. Leather-finishing method and composition. 1,800,776; Apr. 14.
Burke, Louis, assignor to Reynolds Watch Corporation, New York, N. Y. Self-winding timepiece. 1,799,454; Apr. 7.
Burke, Mark P., Long Beach, Calif. Gas lift means. 1,803,837; May 5.
Burke, Mark P., Los Angeles, Calif. Gas lift means. 1,827,066; Oct. 13.
Burke, Paul, Green Bay, Wis., assignor to Northwest Engineering Corporation. Pull shovel. 1,805,479; May 19.
Burke, Paul, and O. Orloff, assignors to Northwest Engineering Corporation, Green Bay, Wis. Excavating machine. 1,819,590; Aug. 18.
Burke, Stephen P., assignor to Combustion Utilities Corporation, New York, N. Y. Synthetic resin and making same. 1,814,124; July 14.
Burke, Stephen P., assignor to Combustion Utilities Corporation, New York, N. Y. Purification of tar acid bearing oils. 1,823,558; Sept. 15.
Burke, Stephen P., Morgantown, W. Va., assignor to Combustion Utilities Corporation, New York, N. Y. Heat transfer. 1,835,557; Dec. 8.
Burke Stoker & Mfg. Co. (See Ritter, Emil W., assignor.)
Burke, Ulysses J., Des Moines, Iowa. Phonograph attachment. 1,803,692; May 5.
Burke, William E., C. F. Ritchie, and R. B. Peet, assignors to American Potash & Chemical Corporation, Trona, Calif. Selective crystallization. 1,835,271; Dec. 8.
Burke, William H., Oakland, Calif. Radiator shutter. 1,791,790; Feb. 10.
Burkert, Daniel G. (See King, T., and Burkert.)
Burkert, Paul, Atlanta, Ga. Distributing machine. 1,831,158; Nov. 10.
Burkett, George C., Indiahoma, Okla. Trailer hitch. 1,807,303; May 26.
Burkhard, John J. (See Golding, B. Y., and Burkhard.)
Burkhardt, Conrad C. C., Philadelphia, Pa. Simultaneously controlling the throttle and electric motors of locomotives. 1,807,471; May 26.
Burkhardt, Conrad C. C., Philadelphia, Pa. Tender frame. 1,814,893; July 14.
Burkhardt, George R. (See Breed, C. W., and Burkhardt.)
Burkhardt, George R., Chicago, and C. W. Breed, Western Springs, Ill. Railway grade crossing construction. 1,805,234; May 12.
Burkhardt, Jakob, Detroit, Mich., assignor to Third Dimension Pictures, Inc., New York, N. Y. Moving picture film. 1,801,656; Apr. 21.
Burkhardt, Jakob, Detroit, Mich., assignor to Third Dimension Pictures, Inc., New York, N. Y. Apparatus for tinting motion picture films and the like. 1,833,706; Nov. 24.
Burkhardt, Jakob, Detroit, Mich., assignor to Third Dimension Pictures, Inc., New York, N. Y. Shutter for projecting machines. 1,836,224; Dec. 15.
Burkhardt, Jakob, Detroit, Mich., assignor to Third Dimension Pictures Inc., New York, N. Y. Shutter for projection machines. 1,838,133; Dec. 29.
Burkhardt, Wendell E., Crawfordsville, Ind. Oil indicator wiper. 1,814,075; July 14.
Burkhart, Charles, Bronx, N. Y. Dispenser for heterogeneous liquids. 1,814,123; July 14.
Burkhart, Charles, Classon Point, N. Y. Measuring dispenser. 1,818,460; Aug. 11.
Burkhart, Evangeline. (See Jacobs, Bernhart, assignor.)
Burkhart, Evangeline, Oklahoma City, Okla. Water-retaining means for combs. 1,794,754; Mar. 3.
Burkhart, Evangeline, Oklahoma City, Okla. Hair curler. 1,794,755; Mar. 3.
Burkholder, John C., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Circuit control system. 1,808,916; June 9.
Burkholder, John C., Toronto, Ontario, assignor to Canadian National Railway Company, Montreal, Canada. Modulating device for electric telegraph systems. 1,836,441; Dec. 15.
Burkholder, John D., assignor to Automatic Devices, Inc., Harrisonburg, Va. Switch. 1,800,598; Apr. 14.
Burkholder, Theodore M., Boston, assignor to Engineering Products Corporation, Cambridge, Mass. Thermostatic switch. 1,795,831; Mar. 10.
Burkle, Joseph N., Eagle River, Wis. Lock for demountable rims. 1,801,952; Apr. 21.
Burkle, Philip J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Wind musical instrument. 1,837,201; Dec. 22.
Burkley, Charles. (See Cox, John H., assignor.)
Burkley, Clement J., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Antiskid chain for vehicle wheel tires. 1,788,857; Jan. 13.
Burks, Arthur W., Decatur, Ill. Strainer. 1,806,839; May 26.
Burks, William E., assignor of one-half to August A. Gittinger, San Antonio, Tex. Coffee urn. 1,791,400; Feb. 3.
Burks, William L., Pleasant Ridge, Va. Combined desk and table. 1,818,606; Aug. 11.
Burlectas Limited. (See Enock, Arthur G., assignor.)
Burley, Aaron W., et al. (See Rock, Christopher C., assignor.)
Burley, Thomas, Seattle, Wash. Automatic ash chute. 1,813,481; July 7.
Burli, Alois, Lucerne, Switzerland. Burglar and fire alarm installation. 1,796,358; Mar. 17.
Burlin, Leslie H., Oak Park, assignor to Advance Pattern & Foundry Company, Chicago, Ill. Combination tray and table. Des. 84,227; May 26.
Burlin, Leslie H., Oak Park, assignor to Advance Pattern & Foundry Company, Chicago, Ill. Table. Des. 84,228; May 26.
Burlin, Leslie H., Oak Park, Ill., assignor to Advance Pattern & Foundry Company, Chicago, Ill. Chair or similar article. Des. 85,157; Sept. 22.
Burlin, Leslie H., Oak Park, and G. F. Corduan, assignors to Corduan Manufacturing Company, Chicago, Ill. Table. 1,835,272; Dec. 8.
Burmah Oil Company Limited. (See Barnard, Richard G., assignor.)
Burman, Abel, San Gabriel, Calif. Pocket penholder 1,819,225; Aug. 18.
Burman, Frank V., Minneapolis, Minn. Harrow—rotary knife type. 1,822,920; Sept. 15.
Burmeister, Hans, Berlin, Germany, assignor to Pyrene-Minimax Corporation. Apparatus for producing fire-extinguishing foam. 1,792,810; Feb. 17.
Burmeister, Hans, Berlin, Germany assignor to Pyrene-Minimax Corporation. Foam generating apparatus. 1,823,559; Sept. 15.
Burmeister, Hans, Berlin, Germany, assignor to Pyrene-Minimax Corporation. Apparatus for producing foam 1,823,560; Sept. 15.
Burmeister, Hans, Berlin, Germany, assignor to Pyrene-Minimax Corporation. Apparatus for feeding powder to a stream of water. 1,833,275; Nov. 24.
Burmeister, Norma M., Chicago, Ill. Powder puff. 1,816,565; July 28.
Burn, Walter S., Hartlepool, England. Scavenge pump for internal-combustion engines. 1,798,010; Mar. 24.
Burn, Walter S., Hartlepool, England. Fuel valve of internal combustion engines. 1,805,358; May 12.
Burnelli, Vincent J., New York, N. Y., assignor to The Uppercu-Burnelli Corporation. Airplane. 1,799,777; Apr. 7.
Burnelli, Vincent J., New York, N. Y., assignor to The Uppercu-Burnelli Corporation. Airplane. 1,799,778; Apr. 7.
Burnelli Vincent J., New York, N. Y., assignor to The Uppercu-Bernelli Corporation. Muffler and heating means. 1,799,779; Apr. 7.

Burnelli, Vincent J., New York, N. Y., assignor to The Uppercu-Burnelli Corporation. Hydroairplane. 1,838,297; Dec. 29.
Burner, William L., Columbus, Ohio, assignor to Western Wheeled Scraper Company Aurora, Ill. Dump car. 1,789,956; Jan. 27.
Burner, William L., Columbus, Ohio, assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump car. 1,810,639; June 16.
Burner, William L., Columbus, Ohio, assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump car. 1,813,022; July 7.
Burner, William L., Columbus, Ohio, assignor to Western Wheeled Scraper Company, Aurora, Ill. Door operating mechanism for dump cars. 1,820,525; Aug. 25.
Burnett, Charles S., San Francisco, Calif. Automatic poppet-valve control. 1,798,185; Mar. 31.
Burnett, Charles S., San Francisco, Calif. Internal combustion engine. 1,830,088; Nov. 3.
Burnett, Charley, Washington C. H., Ohio. Safety crossing for highway and trackway intersections. 1,833,354; Nov. 24.
Burnett, Lyle B., Chicago, and D. W. Bissell, Maywood, assignors to Wm. J. Stange Co., Chicago, Ill. Colored dusting powder. 1,816,928; Aug. 4.
Burnett, Richard W., Chicago, Ill. Angle-cock holder and pipe anchor. 1,792,728; Feb. 17.
Burnett, Richard W., Chicago, Ill. Slack adjuster for car brakes. 1,818,194; Aug. 11.
Burnette, Algernon R., East Orange, N. J. Heating for drying, baking, distilling, and the like. 1,801,263; Apr. 21.
Burney, Charles F. (See Harris, J. H., and Burney.)
Burnfield, Samuel E., Chicago, Ill. Lamp. Des. 85,365; Oct. 20.
Burnham Chemical Company. (See Burnham, George B., assignor.)
Burnham Chemical Company. (See Debeau, M. A., and Robson, assignors.)
Burnham Chemical Company. (See Duschak, Lionel H., assignor.)
Burnham, Elmer J., Scotia, N. Y., assignor to General Electric Company. Electrical regulating system. 1,816,713; July 28.
Burnham, Eva L., Tacoma, Wash. Collar holding device. 1,802,074; Apr. 21.
Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Insulating bushing. 1,788,380; Jan. 13.
Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electrical apparatus. 1,798,364; Mar. 31.
Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Protective system and apparatus. 1,798,365; Mar. 31.
Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric distribution system and protective method and apparatus therefor. 1,798,366; Mar. 31.
Burnham, George A., Saugus, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Insulator. 1,798,367; Mar. 31.
Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Company, South Boston, Mass. Combined electro-magnetic and thermo-responsive protective devices. 1,802,804; Apr. 28.
Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric current limiting reactor. 1,811,877; June 30.
Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Circuit interrupter and magnetic arc extinguishing device therefor. 1,816,894; Aug. 4.
Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Self-contained rural substation. 1,818,686; Aug. 11.
Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Multiphase electrical generating and switching system. 1,821,203; Sept. 1.
Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch. 1,839,083; Dec. 29.
Burnham, George B., assignor to Burnham Chemical Company, Reno, Nev. Obtaining potassium sodium sulphate. 1,814,284; July 14.
Burnham, Harry S. (See Blunt, J. G., and Burnham.)
Burnham, Harry S., Schenectady, N. Y. Locomotive crosshead. 1,795,759; Mar. 10.
Burnham, Harry S., Schenectady, N. Y. Fluid pressure conduit. 1,838,740; Dec. 29.
Burnham, Leland F. (See Slocum, B. H., Bouslough, and Burnham.)
Burnish, Howard J., Milwaukee, Wis. Electric-arc welding. 1,794,363; Mar. 3.
Burnish, Howard J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Pipe coupling thread protector. 1,806,932; May 26.
Burnish, Howard J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Pipe thread protector. 1,807,565; May 26.
Burnish, Howard J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric arc welding. 1,807,961; June 2.
Burnish, Howard J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Arc welding. 1,810,005; June 16.
Burnish, Howard J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric arc welding of pipe joints. 1,810,902; June 23.
Burnish, Howard J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Pipe coupling. 1,818,985; Aug. 18.
Burnish, Howard J., Milwaukee, Wis. Forming and feeding weld rods. 1,820,649; Aug. 25.
Burnish, Howard J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric arc welding pipe. 1,830,783; Nov. 10.
Burnish, Howard J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Burnishing. 1,830,926; Nov. 10.
Burnish, Howard J., Sewickley, assignor to Spang, Chalfant & Company, Inc., Pittsburgh, Pa. Pipe line expansion joint. 1,835,010; Dec. 8.
Burnish, Howard J., and C. Smith, assignors to A. O. Smith Corporation, Milwaukee, Wis. Coupling for pipe lines. 1,830,782; Nov. 10.
Burnley, Robert C., Louisville, Ky. Trap. 1,799,149; Apr. 7.
Burnley, Robert C., Louisville, Ky. Tray rack. 1,820,433; Aug. 25.
Burns, Alfred P. (See Guild, W. J., and Burns.)
Burns, Bruce, and H. B. Lewis, Los Angeles, and R. M. Otis, Alhambra, assignors to Hughes Development Company, Ltd., Los Angeles, Calif. Chemico-thermal welding process. 1,806,738; May 26.
Burns, Erwin, et al. (See Newsom, Lewis W., assignor.)
Burns, Fred J., assignor to Columbia Mills, Inc., Saginaw, Mich. Self-locking combination venetian blind bracket. 1,805,611; May 19.
Burns, Fred J., assignor to The Columbia Mills, Inc., Saginaw, Mich. Spindle-ferrule bearing. 1,822,874; Sept. 15.
Burns, Fred J., assignor to The Columbia Mills, Inc., Saginaw, Mich. Venetian blind. 1,823,236; Sept. 15.
Burns, Fred J., Saginaw, assignor to Columbia Mills, Incorporated, Saginaw, Mich. Venetian blind tilt rail bracket. 1,838,473; Dec. 29.
Burns, Jabez & Sons. (See Burns, W. G., and Kirkland, assignors.)
Burns, James E., assignor to The A. J. Donahue Corporation, Milford, Conn. Headdress-retaining device. 1,808,156; June 2.
Burns, John B., Oneonta, N. Y. Highway safety guard. 1,795,247; Mar. 3.
Burns, John E., Toronto, Ontario, Canada. Detachable cigar rest and match holder. 1,802,332; Apr. 28.
Burns, John L., assignor, by mesne assignments, to Franklin Development Corporation, Syracuse, N. Y. Flexible clutch plate. 1,815,760; July 21.
Burns, Leonard S. (See Davis, F. S., and Burns.)
Burns, Robert M., Kenilworth, Ill., assignor to Chamberlin Metal Weatherstrip Company, Detroit, Mich. Weather strip. 1,798,720; Mar. 31.
Burns, Robert M., Brooklyn, N. Y., and C. W. Warner, Glen Ridge, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrodeposition of alloys. 1,837,355; Dec. 22.
Burns, Rosa, Dallas, Tex. Separable buckle. 1,793,836; Feb. 24.
Burns, Roy W., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Testing system. 1,820,116; Aug. 25.
Burns, Sterl L. and W. F., assignors, by mesne assignments, to Clifford Case, Tieton, Wash. Box handling device. 1,836,223; Dec. 15.
Burns, Thomas H., Newark, N. J. System for counteracting undesired oscillations in alternating current circuits. 1,831,340; Nov. 10.
Burns, Walter M., Absecon, N. J. Internal combustion engine. 1,812,860; July 7.
Burns, Warren F. (See Burns, Sterl L. and W. F.)
Burns, Wilford E., Burlingame, assignor to M. J. B. Co., San Francisco, Calif. Key-opening can. 1,788,702; Jan. 13.
Burns, Wilfred E., Burlingame, assignor to M. J. B. Co., San Francisco, Calif. Can hopper. 1,822,336; Sept. 8.
Burns, William G., and A. D. Kirkland, assignors to Jabez Burns & Sons, Inc., New York, N. Y. Mixing apparatus. 1,825,261; Sept. 29.
Burnside, Carrol J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Telephone lines. 1,825,304; Sept. 29.
Burnside, Lewis N., East Orange, N. J., assignor to The Delaware, Lackawanna & Western Coal Co., New York, N. Y. Gas producer. 1,832,092; Nov. 17.
Burnstad, Sigurd H., Round Hill, Alberta, Canada. Combination road builder, ditcher, and brush breaker. 1,795,360; Mar. 10.
Burnstine, Isaac H., Chicago, Ill. Pool table. Des. 84,459; June 23.
Burnstine, Isaac H., Chicago, Ill. Pool table. Des. 85,572; Nov. 17.
Buroff, Michail, Moscow, Union of Socialist Soviet Republics. Device for treating fibers. 1,815,493; July 21.
Burovox Limited. (See Winfield-Smith, Stephen C., assignor.)
Burr, Edward C., Salina, Kans. Lifting attachment for harrows. 1,797,319; Mar. 24.

Burr, Gordon A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser bushing. 1,802,703; Apr. 28.
Burr, Gordon A., Wilkinsburg, and J. H. Frakes, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Outlet-bushing structure. 1,815,046; July 21.
Burr, Gordon A., Wilkinsburg, and J. H. Schram, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company, Bushing terminal. 1,834,379; Dec. 1.
Burr, Myrtice C., assignor to Boxill-Bruel Carbon Company, Cincinnati, Ohio. Electrical contact element and making same. 1,835,011; Dec. 8.
Burrage, Albert C., Boston, Mass. Apparatus for treating given objects with a prolonged exposure to sunlight. 1,789,513; Jan. 20.
Burrage, Albert C., jr., Ipswich, Mass. Preparation of sulphur-dyes. 1,828,699; Oct. 20.
Burrell, Edward P. (See Van Hamersveld, J. J. N., and Burrell.)
Burrell, Edward P. and F. H. Bogart, Cleveland Heights, assignors to the Warner & Swasey Company, Cleveland, Ohio. Chuck operating mechanism for machine tools. 1,816,209; July 28.
Burrell Engineering & Construction Company. (See Burrell, G. T., and Jackson, assignors.)
Burrell Engineering & Construction Company. (See Miller, Herman, assignor.)
Burrell, George R., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tractive device for tires. 1,805,037; May 12.
Burrell, George T., and A. V. Jackson, assignors to Burrell Engineering and Construction Company, Chicago, Ill. Climbing or lifting jack. 1,804,858; May 12.
Burrell, Howard A., et al. (See Gonsett, Robert R., assignor.)
Burress, C. O., et al. (See Marcum, George L., assignor.)
Burri, John, Curtis, Wash. Hen's nest. 1,837,528; Dec. 22.
Burroughs Adding Machine Company. (See Dahl, Conrad C., assignor.)
Burroughs Adding Machine Company. (See Dame, Frederick, assignor.)
Burroughs Adding Machine Company. (See Gooch, C. W., and Racz, assignors.)
Burroughs Adding Machine Company. (See Horton, Allen A., assignor.)
Burroughs Adding Machine Company. (See Muller, Robert L., assignor.)
Burroughs Adding Machine Company. (See Pasinski, Walter J., assignor.)
Burroughs Adding Machine Company. (See Pasinski, W. J., and Magnus, assignors.)
Burroughs Adding Machine Company. (See Rinsche, Frank C., assignor.)
Burroughs Adding Machine Company. (See Smith, Aurile T., assignor.)
Burroughs, Clark Ld., assignor to Hall-Neal Furnace Company, Indianapolis, Ind. Furnace damper control. 1,821,204; Sept. 1.
Burrow, Charles W., New York, assignor, by mesne assignments, to Magnetic Analysis Corporation, Long Island City, N. Y. Apparatus for testing magnetizable material. 1,801,328; Apr. 1.
Burrow, Robert J., Buchanan, assignor to Clark Tructractor Company, Buchanan, Mich. Draft coupling for tractors and trailers. 1,807,379; May 26.
Burrowes, E. T., Company, The. (See Coates, Harry M., assignor.)
Burrows, Charles, Blackheath, London, England. Laundry washing machine. 1,796,504; Mar. 17.
Burrows, Charles W., New York, N. Y., and E. S. Imes, Jersey City, N. J., assignors, by mesne assignments, to Magnetic Analysis Corporation, Long Island City, N. Y. Apparatus for testing magnetizable objects. 1,800,767; Apr. 14.
Burrows, Eastman A., assignor to T. D. Huff, Chicago, Ill. Refrigerating display apparatus. Re18,025; Apr. 7.
Burrows, Harrison O. (See Stay, T. D., and Burrows.)
Burrows, Michael P., Tacoma, Wash. Safety device. 1,818,300; Aug. 11.
Burrows, Robert J., assignor to Clark Tructractor Company, Buchanan, Mich. Muffler for internal combustion engines. 1,831,159; Nov. 10.
Burrows, Roscoe T., Barre, Vt. Display cabinet. Des. 84,325; June 9.
Burrows, Vivian N., Big Beaver, Mich. Bucket holder. 1,827,221; Oct. 13.
Burry, Vincent J., Berwyn, assignor to Woodman Railway Supply Company, Chicago, Ill. Journal box. 1,805,073; May 12.
Burson Knitting Company. (See Hinchliff, Edward C., assignor.)
Burson Knitting Company. (See Parker, William S., assignor.)
Burson Knitting Company. (See Rolston, Walter F., assignor.)
Burstein, Charles S., and N. Sattler, New York, N. Y. Combination apron and mitten. 1,816,566; July 28.
Burstein, Max, and A. G. Buckenham, New York, N. Y. Tandem check for gates. 1,808,341; June 2.
Burt, Edwin, Canutillo, Tex. Filter. 1,808,917; June 9.
Burt, Edwin, Canutillo, Tex. Filter. 1,819,700; Aug. 18.
Burt, Elmer J., Oakland, Calif., assignor to Thermostove Corporation, Ltd., Reno, Nev. Thermostat switch. 1,836,442; Dec. 15.
Burt, F. N., Company. (See Carle, Harold, assignor.)
Burt, Grinnell. (See Burt, H. P., Burt, and Sanborn.)
Burt, Howard P., and G. Burt, Palermo, and R. E. Sanborn, assignors to California Packing Corporation, San Francisco, Calif. Producing olive oil. 1,826,987; Oct. 13.
Burt, James P., assignor to Glenwood Range Company, Taunton, Mass. Latch for doors. 1,805,129; May 12.
Burt Machine Company. (See Wild, Charles H., assignor.)
Burt, William H., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Tube flanging tool. 1,823,966; Sept. 22.
Burtch, Joel A., Cleveland, Ohio, assignor, by mesne assignments, to Jewell Electrical Instrument Company. Radio testing device. 1,805,074; May 12.
Burtey, Joseph P. P., Athis-Mons, France. Metal label-securing device. 1,795,007; Mar. 3.
Burtnett, Everet R., Santa Rosa, Calif. Internal-combustion engine. 1,794,829; Mar. 3.
Burtnett, Everett R., Los Angeles, Calif., assignor to The Automotive Valves Corporation, Reno, Nev. Internal combustion engine. 1,813,276; July 7.
Burton, Alexander M., Lincoln Place, Pa. Trouser presser. 1,808,523; June 2.
Burton, Charles H., Washington, D. C., assignor of one-half to C. W. Fisher, New York, N. Y. Pneumatic dispatch system. 1,791,189; Feb. 3.
Burton, Charles S., Oak Park, Ill. Vacuum operated fuel feeding apparatus. 1,834,140; Dec. 1.
Burton-Dixie Corporation. (See Burton, Oliver M., assignor.)
Burton-Dixie Corporation. (See Perlesz, Hugo, assignor.)
Burton, Edward, assignor to National Lock Co., Rockford, Ill. Hinge. Des. 84,460; June 23.
Burton, Edward, assignor to National Lock Co., Rockford, Ill. Latch. Des. 84,461; June 23.
Burton, Edward, assignor to National Lock Co., Rockford, Ill. Mirror ornament. Des. 84,776; Aug. 4.
Burton, Everett T. (See Clokey, A. A., and Burton.)
Burton, Everett T. (See Curtis, A. M., and Burton.)
Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal shaping amplifier. 1,836,574; Dec. 15.
Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit breaker. 1,837,202; Dec. 22.
Burton, Frank C., assignor to Majestic Household Utilities Corporation, Evanston, Ill. Refrigerator cabinet. Des. 83,145; Jan. 27.
Burton, Frank C., Evanston, assignor to Majestic Household Utilities Corporation, Chicago, Ill. Refrigerator cabinet. Des. 84,025; Apr. 28.
Burton, Frank C., assignor to Grigsby-Grunow Company, Chicago, Ill. Radiocabinet. Des. 84,621; July 14.
Burton, Frank C., assignor to Grigsby-Grunow Company, Chicago, Ill. Radiocabinet. Des. 84,922; Aug. 25.
Burton, Frank F., Mount Carmel, assignor to Winchester Repeating Arms Company, New Haven, Conn. Adjustable locking mechanism for breakdown firearms. 1,797,320; Mar. 24.
Burton, Frank F., Mount Carmel, assignor to Winchester Repeating Arms Company, New Haven, Conn. Locking-bolt latch for breakdown firearms. 1,816,312; July 28.
Burton, Frank F., Mount Carmel, assignor to Winchester Repeating Arms Company, New Haven, Conn. Breakdown firearm. 1,816,313; July 28.
Burton, George R., Montreal, Quebec, Canada. Cigarette extinguisher. 1,830,590; Nov. 3.
Burton, Harris D. (See Porter, W. K., and Burton.)
Burton, Harry E., Chicago, Ill. Brake equalizer. 1,811,172; June 23.
Burton, Henry, Gardena, Calif. Engine starter. 1,815,047; July 21.
Burton, Hubert H. (See Barrett, A. G., and Burton.)
Burton, Joseph H. (See Roberts, W. S., and Burton.)
Burton, Oliver M., assignor to Burton-Dixie Corporation, Chicago, Ill. Mattress. 1,801,411; Apr. 21.
Burton, Robert N. (See Hynan, Arthur C., assignor.)
Burton, Robert N. (See Keeran, Charles R., assignor.)
Burton, Sylvester E. (See Loomis, W. A., and Burton.)
Burton, Thomas L., New York, N. Y., and C. C. Farmer, Pittsburgh, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle cock holder. 1,801,844; Apr. 21.
Burton, Thomas L., New York, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle cock holder. 1,801,845; Apr. 21.
Burton, Warren D. (See Page, C. B., and Burton.)
Burvenick Benjamin, assignor to Lalance & Grosjean Manufacturing Company, Woodhaven, New York, N. Y. Utensil handle. 1,837,109; Dec. 15.
Burwell, Arthur W., Niagara Falls, assignor to Alox Chemical Corporation, New York, N. Y. Coating composition containing nitrocellulose. 1,791,711; Feb. 10.
Burwell, Arthur W., Niagara Falls, assignor to Alox Chemical Corporation, New York, N. Y. Paper-sizing agent. 1,791,860; Feb. 10.
Burwell, Arthur W., Niagara Falls, assignor to Alox Chemical Corporation, New York, N. Y. Production of hydrogen and carbon from hydrocarbons. 1,819,732; Aug. 18.

Burwell, Arthur W., Niagara Falls, assignor to Alox Chemical Corporation, New York, N. Y. Producing water-insoluble petroleum-soluble carboxylic acids and the product thereof. 1,828,356; Oct. 20.
Busby, Henry H., Evanston, Ill. Ladder. 1,806,145; May 19.
Busch, Albert, Brunswick, assignor to J. A. Wülfing, Berlin, Germany. Manufacture of esters of 2-phenyl-quinoline-4-carboxylic acid. 1,816,003; July 28.
Busch, Aloysius J., Queens Village, assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Call charging telephone exchange system. 1,823,679; Sept. 15.
Busch, Hans, Darmstadt, and A. Byk, Berlin Charlottenburg, Germany, assignors to General Electric Company. Loading coil. 1,835,930; Dec. 8.
Busch, Herman F., Millvale, assignor to Armstrong Cork Company, Pittsburgh, Pa. Bottle closure and its manufacture. 1,806,739; May 26.
Busch, John S., Cloquet, Minn. Treating fibrous material preliminary to making pulp. 1,818,039; Aug. 11.
Busch, Max. (See Lange, K., and Busch.)
Busch, Rudolph, sr., Shelltown, Md. Cleaning pad. 1,808,834; June 9.
Busch-Sulzer Bros.-Diesel Engine Company. (See Kägi, Emil, assignor.)
Busch, Werner, Cologne-Deutz, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of copper from waste copper lyes. 1,833,276; Nov. 24.
Busch, Werner, Cologne-Deutz, and E. Noack, Wiesdorf, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of potassium. 1,818,881; Aug. 11.
Büsching, Willi, Halle, Germany. Process for the high concentration of impure sulphuric acid treated preliminarily in a dephlegmator. 1,795,995; Mar. 10.
Büschler, Paul, Hanover-Ricklinger, Germany. Coal-dust burner. 1,800,281; Apr. 14.
Buschman, Abraham L., New York, N. Y. Combined Christmas tree lighting set and display receptacle therefor or the like article. Des. 84,806; Aug. 11.
Buschman, Abraham L., New York, N. Y. Combined Christmas tree lighting set and display receptacle therefor or the like article. Des. 84,807; Aug. 11.
Buschman, Edward, Chicago, Ill. Battery terminal. 1,816,719; July 28.
Buschman, Sol L., assignor, by mesne assignments, to Metal Package Corporation, New York, N. Y. Waste receptacle. 1,820,554; Aug. 25.
Buschman, Sol L., assignor, by mesne assignments, to Metal Package Corporation, New York, N. Y. Waste receptacle. 1,820,555; Aug. 25.
Buschmann, Hans, Stettin, Germany. Printing plate. 1,829,085; Oct. 27.
Buschow, Edward G., Pittsburgh, Pa., assignor to Surface Combustion Corporation, Toledo, Ohio. Apparatus for forming and burning gaseous mixtures. 1,838,903; Dec. 29.
Buse, Henry, Parker, S. Dak. Tractor attachment. 1826,238; Oct. 6.
Buse, Otto H., Shaker Heights, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Boxed carboy. 1,832,843; Nov. 24.
Busey, Herbert S., Providence, R. I., assignor to American Electrical Works, Phillipsdale, R. I. Wire drawing apparatus. 1,835,462; Dec. 8.
Bush, A. G. (See Criner, Harry J., assignor.)
Bush, Albert E. (See Bush, G. L. and A. E.)
Bush Electric Corporation. (See Bush, G. L. and A. E., assignors.)
Bush, George G., Newington, assignor to Union Manufacturing Company, New Britain, Conn. Chuck. 1,794,511; Mar. 3.
Bush, George L. and A. E., assignors to Bush Electric Corporation, San Francisco, Calif. X-ray machine. 1,831,341; Nov. 10.
Bush, Gertrude R., Sylvania, Ohio. Vegetation-preserving device. 1,790,259; Jan. 27.
Bush, Grant A., San Diego, Calif. Musical apparatus. 1,798,521; Mar. 31.
Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck construction. 1,803,791; May 5.
Bushee, Joseph F., Jersey City, N. J. Smoking pipe. 1,808,632; June 2.
Bushnell, Alvah, Company. (See Clarke, R. E., and Reeves, assignors.)
Bushnell, Charles H., San Francisco, Calif. Fuel-injection valve. 1,788,703; Jan. 13.
Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,794,582; Mar. 3.
Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,794,583; Mar. 3.
Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Train-control system. 1,794,584; Mar. 3.
Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Brake applying apparatus. 1,818,941; Aug. 11.
Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Intermittent inductive train control system. 1,824,118; Sept. 22.
Bushnell, James E., North Plainfield, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Liquid tank for concrete mixing apparatus. 1,801,763; Apr. 21.
Bushnell, James E., North Plainfield, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Liquid tank for concrete mixing apparatus. 1,837,203; Dec. 22.
Bushnell, James E., North Plainfield, and J. C. Lukachovic, Dunellen, assignors to Ransome Concrete Machinery Company, Plainfield, N. J. Concrete mixing and distributing apparatus. 1,796,282; Mar. 17.
Bushnell, Lyman S., assignor to The Freeport Sulphur Company, Freeport, Tex. Treating discolored sulphur. 1,823,188; Sept. 15.
Bushnell, Lyman S., and R. Morales, Freeport, Tex., assignors to Freeport Sulphur Company. Removing carbonaceous matter from sulphur and improving its color. 1,826,124; Oct. 6.
Bushnell, Russell S., New York, N. Y., assignor to Stewart Hartshorn Company, East Newark, N. J. Shade roller locking extension. 1,830,223; Nov. 3.
Businga, Cornelius S., Rockford, Ill. Trailer vehicle. 1,806,889; May 26.
Buskard, Samuel G., Richmond Hill, N. Y. Spraying device. 1,831,342; Nov. 10.
Buskett, Evans W. (See Turner, W. D., and Buskett.)
Buslaff, Rolland, Waukesha, and H. L. Engels, Marshfield, assignors to Universal Milking Machine Company, Waukesha, Wis. Vacuum pump and tank. 1,788,907; Jan. 13.
Busque, Charles S., St. Gideon de Beauce, Quebec, Canada. Internal-combustion engine. 1,798,587; Mar. 31.
Busque, Charles S., St. Gideon de Beauce, Quebec, Canada. Saw. 1,820,434; Aug. 25.
Buss Aktiengesellschaft. (See Buss, Walter, assignor.)
Buss, Benhard G., Golden, Ill. Locking catch for foot pedals. 1,822,198; Sept. 8.
Buss, Walter, assignor to Buss Aktiengesellschaft, Basel, Switzerland. Extractor. 1,824,424; Sept. 22.
Busse, Edwin G., Chicago, Ill., assignor, by mesne assignments, to F. Schaefer, Pittsburgh, Pa. Brake beam hanger bracket. 1,804,146; May 5.
Bussenius, Albert, Dresden, Germany. Direction indicator. 1,837,700; Dec. 22.
Bussien, Richard, Berlin-Weissensee, assignor to Voran Automobil-Bau Aktiengesellschaft, Berlin, Germany. Motor vehicle. 1,794,145; Feb. 24.
Bussmann, Joseph A., St. Louis, Mo. Electric fuse and assembling same. 1,831,438; Nov. 10.
Busson, Guillaume, Neuilly-sur-Seine, France. Combined automobile body and fenders. Des. 83,089; Jan. 20.
Bustin, Emma, New York, N. Y. Seat and cover lifter for toilets. 1,792,811; Feb. 17.
Bustos, Jorge, Santiago, Chile. Shoe cleaning machine. 1,828,388; Oct. 20.
Buswell, Arthur M., assignor to Board of Trustees of the University of Illinois, Urbana, Ill. Sewage treatment. 1,838,475; Dec. 29.
Buswell, Arthur M., and S. L. Neave, assignors to Board of Trustees of the University of Illinois, Urbana, Ill. Sewage treatment. 1,834,474; Dec. 29.
Buswell, James H., Kalamazoo, Mich., assignor to Milwaukee Paper Box Company, Milwaukee, Wis. Container. 1,792,572; Feb. 17.
Butchart, William A., Joplin, Mo. Flotation apparatus. 1,798,451; Mar. 31.
Butchart, William A., Joplin, Mo. Flotation apparatus. 1,798,452; Mar. 31.
Butcher, Charles A., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Synchronous machine starting system. 1,804,591; May 12.
Butcher, Charles H., Cambridge, Mass. Sealing device for bottle caps. 1,795,289; Mar. 10.
Butcher, Harry. (See Haynes, S. P., and Butcher.)
Butcher, John H., Rugby, and F. P. Wills, Uxbridge, England, assignors to General Electric Company. Pick-up device. 1,796,238; Mar. 10.
Buten, William C., et al. (See Rosenhagen, Victor, assignor.)
Butera, John, et al. (See Vilfordi, George L., assignor.)
Buterbaugh, Earl T., et al. (See Welch, Marion E., assignor.)
Butkey, Andrew T., Youngstown, Ohio, assignor to The Safety Processing Company. Grooving machine. 1,806,235; May 19.
Butkus, Joseph A., assignor to G. A. E. Kohler, Chicago, Ill. Furniture corner construction. 1,826,419; Oct. 6.
Butkus, Joseph A., assignor to G. A. E. Kohler, Chicago, Ill. Furniture corner construction. 1,826,420; Oct. 6.
Butkus, Joseph A., assignor to G. A. E. Kohler, Chicago, Ill. Furniture Corner Construction. 1,826,421; Oct. 6.
Butler, Benjamin J., Somerville, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Condenser manufacture. 1,805,651; May 19.
Butler, Charles A., Okmulgee, Okla. Pneumatically actuated pumping system. 1,839,140; Dec. 29.
Butler, Charles R., et al. (See Dean, C. L., Lockwood, and Richie, assignors.)
Butler, Charles R. (See Rasmussen, Chester A., assignor.)
Butler, Charles R., et al. (See Rasmussen, Chester A., assignor.)

Butler, Charles R. (See Rasmussen, C. A., Butler, and Trout.)
Butler, Charles R., Indianapolis, Ind. Microadjusting device. 1,793,051; Feb. 17.
Butler, Clyde G., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Pneumatically-operated lubricating apparatus. 1,796,259; Mar. 10.
Butler, Clyde G., Cincinnati, Ohio, assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Grease-gun coupling. 1,796,827; Mar. 17.
Butler, Clyde G., Cincinnati, Ohio, assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Grease-gun coupling. 1,799,279; Apr. 7.
Butler, Clyde G., Cincinnati, Ohio, assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Grease gun coupling. 1,816,567; July 28.
Butler, Clyde G., Cincinnati, Ohio, assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Grease gun coupling. 1,825,939; Oct. 6.
Butler County National Bank & Trust Company, The, administrator. (See Heeter, Charles M.)
Butler, Edward A., Buffalo, and T. R. Olive, New York, assignors, by mesne assignments, to Robert Donner, Buffalo, N. Y. Stroboscopic apparatus. 1,807,149. May 26.
Butler, Eric W., Bristol, and J. C. Mann, Birmingham, assignors to Robinson Brothers Limited, Birmingham, and Wm. Butler & Company Limited, Bristol, England. Apparatus for mixing liquids. 1,809,672; June 9.
Butler, Eric W., St. Philips, Bristol, and J. C. Mann, Birmingham, England. Mixing liquids. 1,826,598; Oct. 6.
Butler, Faibus M., Seattle, Wash. Accelerator attachment. 1,809,021; June 9.
Butler, Frank O., Chicago, Ill. Hand positioner for golf clubs. 1,804,316; May 5.
Butler, Gay H., Atlanta, Ga. Pipe-coil header. 1,797,636; Mar. 24.
Butler, George P., deceased, Boston, Mass.; N. B. Butler, executrix. Sign. 1,802,939; Apr. 28.
Butler, Glenn C., Rochester, Mich. Oar. 1,807,380; May 26.
Butler, Harry E., Newton, Mass. Tree holder. 1,792,629; Feb. 17.
Butler, Henry E., Schenectady, N. Y., assignor to General Electric Company. Cut-out for series incandescent street-lighting circuits and the like. 1,807,381; May 26.
Butler, Henry E., Scotia, N. Y., assignor to General Electric Company. Electrical protective device. 1,809,673; June 9.
Butler, Henry E., Scotia, N. Y., assignor to General Electric Company. Cutout for series lamps. 1,839,084; Dec. 29.
Butler, Horace. (See Clarke, A., and Butler.)
Butler, Horace, West Chester, Pa., assignor to Research Process Company. Process and apparatus for producing light hydrocarbons. 1,817,672; Aug. 4.
Butler, Jack K., assignor to Automatic Refrigerator Corporation, Chicago, Ill. Electric refrigerator. 1,835,844; Dec. 8.
Butler, Jacob G., Covington, Ky. Mop. 1,817,876; Aug. 4.
Butler, Jay H., Newark, Ohio. Motor-vehicle body. 1,800,777; Apr. 14.
Butler, John E., Redwood City, Calif. Making hydraulic products from anhydrite. 1,821,961; Sept. 8.
Butler, John H., Columbus, Ohio. Filtering device. 1,812,736; June 30.
Butler, John M., Evanston, assignor to King Pneumatic Tool Company, Chicago, Ill. Pumping apparatus. 1,814,285; July 14.
Butler, John R., assignor of one-half to J. C. McLean, Durango, Colo. Universal connection for piston rods. 1,807,382; May 26.
Butler, Julia E., administratrix. (See Butler, Roscoe C.)
Butler, Lester H., Akron, Ohio. Method and apparatus for the reception of broadcast radio frequencies. 1,799,726; Apr. 7.
Butler Manufacturing Company. (See Glover, William C., assignor.)
Butler, Matthew J. (See Wardley, G. P., and Butler.)
Butler, Morgan R., Waukesha, Wis. Material handling equipment. 1,820,297; Aug. 25.
Butler, Morgan R., Waukesha, Wis. Material handling equipment. 1,828,458; Oct. 20.
Butler, Nettie B., executrix. (See Butler, George P.)
Butler, Noble C. (See Jones, L. S., Fisher, Henrikson, and Butler.)
Butler, Ola D., Quantico, Va. Combination automatic boat release and utility hook. 1,808,945; June 9.
Butler, Richard C. (See Hughes, J. M., and Butler.)
Butler, Roscoe C., deceased, by J. E. Butler, administratrix, North Charleston, S. C. Mechanism for spinning yarn on wire. 1,797,821; Mar. 24.
Butler, Silas E., Toledo, Ohio. Container. 1,811,074; June 23.
Butler, Thomas S., Chicago, Ill. Toothbrush. 1,818,840; Aug. 11.
Butler, Wm., & Company et al. (See Butler, E. W., and Mann, assignors.)
Butler, William J., Cranston, R. I., assignor to Henry Lederer & Bro. Inc., Providence, R. I. Pocket lighter. 1,809,548; June 9.
Butler, William L., W. H. Fabrey, and J. Weber, assignors to Weber Electric Company, Schenectady, N. Y. Electrical switch. 1,817,234; Aug. 4.
Butridge, James H., Chicago, Ill., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 1,830,190; Nov. 3.
Butscher, Carl T., Milwaukee, Wis. Ash receiver. 1,815,701; July 21.
Butsko, Stephen, assignor, by mesne assignments, to Pioneer Pearl Button Company, Poughkeepsie, N. Y. Machine for cutting pearl button stock. 1,814,240; July 14.
Butterfield, Arthur W. W. (See Threlkeld, T. G., and Butterfield.)
Butterfield, Lorin A. (See Johnson, J. N., and Butterfield.)
Butterfield, Percy L. (See Castricum, M., and Butterfield.)
Butterfield, Vernon J., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Fitting for automotive vehicle heaters. 1,834,141; Dec. 1.
Butterick, Naason Z., Miami, Fla. Interlocking shingle. 1,825,576; Sept. 29.
Butterworth, Arthur B., Port Arthur, Tex., assignor, by mesne assignments, to Butterworth System, Inc., Wilmington, Del. Cleaning, scaling, and gas freeing bulk cargo tanks of tank vessels. 1,806,740; May 26.
Butterworth, H. W., & Sons Company. (See Bell, William E. H., assignor.)
Butterworth, H. W., & Sons Company. (See Farquhar, J. W., and Hensel, assignor.)
Butterworth, H. W., & Sons Company. (See Rowley, W. S., and Butterworth, assignors.)
Butterworth, Harry W., jr. (See Rowley, W. S., and Butterworth.)
Butterworth, Richard, Philadelphia, Pa. Needle drive. 1,794,943; Mar. 3.
Butterworth System, Inc. (See Butterworth, Arthur B., assignor.)
Buttfield, Gibson, Rockview Heights, North Plainfield, assignor to The Vulcan Detinning Company, Sewaren, N. J. Recovery of tin compounds. 1,804,551; May 12.
Buttigieg, John, Elgin, Ill. Spring motor for toys. 1,795,271; Mar. 3.
Büttner, Artur, assignor to Schnellpressenfabrik Aktiengesellschaft Heidelberg, Heidelberg, Germany. Cylinder printing press. 1,802,873; Apr. 28.
Büttner, Artur, assignor to Schnellpressenfabrik Aktiengesellschaft Heidelberg, Heidelberg, Germany. Sheet laying-on device. 1,814,021; July 14.
Büttner, Artur, assignor to Schnellpressenfabrik Aktiengesellschaft Heidelberg, Heidelberg, Germany. Cylinder printing press. 1,829,436; Oct. 27.
Büttner, Fritz, Danzig, Free City of Danzig. Tobacco pipe. 1,796,589; Mar. 17.
Büttner, Max, Dresden-Laubegast, assignor to O. Michalk, Freital, near Dresden, Germany. Gear. 1,795,996; Mar. 10.
Buttner, William C., Winnetka, assignor to The Bastian-Blessing Company, Chicago, Ill. Torch. 1,793,052; Feb. 17.
Buttner, William C., assignor to The Bastian-Blessing Company, Chicago, Ill. Sirup pump. 1,798,453; Mar. 31.
Buttner, William C., assignor to The Bastian-Blessing Company, Chicago, Ill. Sirup pump. 1,817,673; Aug. 4.
Buttolph, Leroy J., East Orange, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electropercussive welding apparatus. 1,788,908; Jan. 13.
Buttolph, Leroy J., East Orange, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Water-cooled lamp. 1,799,352; Apr. 7.
Buttolph, Leroy J., East Orange, N. J., assignor to General Electric Vapor Lamp Company. Mercury vapor lamp and apparatus. 1,809,265; June 9.
Buttolph, Leroy J., East Orange, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Color fading cabinet and filter. 1,818,687; Aug. 11.
Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Vapor-arc-lamp starting apparatus. 1,788,909; Jan. 13.
Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Co., Hoboken, N. J. Mercury-arc reflector. 1,788,910; Jan. 13.
Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Radio switching control. 1,788,979; Jan. 13.
Buttolph, Leroy J., Grantwood, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Vapor arc lamp and starting means therefor. 1,831,998; Nov. 17.
Button, George W., Corporation. (See Sierad, M. and A. E., assignors.)
Buttress, George A., assignor to F. and B. Holding Co., Los Angeles, Calif. Producing fabricated lath panels. 1,791,791; Feb. 10.
Buttress, George A., assignor to F. and B. Holding Company, Los Angeles, Calif. Forming lath panels. 1,791,792; Feb. 10.
Butts, Daniel G., Covington, La., assignor to The Faultless Manufacturing Company, Baltimore, Md. Garment loop. 1,822,724; Sept. 8.

Butts, Durain C., Dover, N. J., assignor to Hercules Powder Company, Wilmington, Del. Treating rosin. 1,791,658; Feb. 10.
Butts, Durain C., Dover, N. J., assignor to Hercules Powder Company, Wilmington, Del. Purifying rosin. 1,820,298; Aug. 25.
Butts, Harry E., assignor of one-half to E. L. Stewart, Sandusky, Ohio. Trolley for electric cars. 1,820,180; Aug. 25.
Butusov, Emil P., Chicago, Ill. Spark plug. 1,791,190; Feb. 3.
Butyn, John, Newark, N. J. Potato digger. 1,793,541; Feb. 24.
Butz, Clarence, Muscatine, Iowa. Ham press. 1,792,411; Feb. 10.
Butz, Walter D., Norristown, assignor of one-half to L. N. D. Wiliams, Elkins Park, Pa. Needle control mechanism for knitting machines. 1,818,112; Aug. 11.
Butz, Walter D., Norristown, assignor of one-half to L. N. D. Williams, Elkins Park, Pa. Needle control mechanism for knitting machines. 1,818,113; Aug. 11.
Butz, Walter D., Norristown, assignor of one-half to L. N. D. Williams, Elkins Park, Pa. Hosiery printing apparatus. 1,830,638; Nov. 3.
Butzbach, Fred, Clinton, Iowa. Window construction. 1,804,741; May 12.
Butzin, Paul E. (See Andrew, W. K., and Butzin.)
Buvinger, George A., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,790,223; Jan. 27.
Buwert, Hans. (See Nowack, W., and Buwert.)
Buxbaum, Joseph. (See Lundquist, J. D., and Buxbaum.)
Buxton, Ethel L., Kansas City, Mo. Keyboard and staff reader. 1,833,204; Nov. 24.
Buxton & Skinner Printing and Stationery Co. (See Hermann, Otto L., assignor.)
Buxton Warner R., Longmeadow, Mass. Bill fold. Des. 83,146; Jan. 27.
Buxton, Warner R., Longmeadow, Mass. Bill fold. Des. 83,306; Feb. 17.
Buxton, Warner R., Longmeadow, Mass. Bill fold. Des. 83,307; Feb. 17.
Buxton, Warner R., Longmeadow, Mass. Bill fold. Des. 83,793; Mar. 31.
Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 1,824,943; Sept. 29.
Buyck, Jules A., Detroit, Mich. Mechanism for regulatably spreading sand or grit. 1,795,105; Mar. 3.
Buyken, Frank E. (See Buyken, George H. and F. E.)
Buyken, George H. and F. E., Seattle, Wash. Tube clamp. 1,837,701; Dec. 22.
Buyko. Anton, Berkeley, Calif. Selecting system. 1,801,657; Apr. 21.
Byars, Edgar W., Goshen, Ind. Dental device. 1,833,671; Nov. 24.
Byars, Logan C., Huntington Park, Calif. Valve for tire inflaters. 1,799,727; Apr. 7.
Byck, Lawrence C., and G. L. Peakes, Perth Amboy, N. J., assignors to Bakelite Corporation, New York, N. Y. Decorated article and producing the same. 1,815,234; July 21.
Byer, Clyde, Marion, Ind. Aeroplane propeller. 1,811,000; June 23.
Byer, Leonard J., Brookline, Mass. Sock and making the same. 1,832,181; Nov. 17.
Byerlein, Arthur A., Detroit, Mich., assignor, by mesne assignments, to General Machinery Corporation, Hamilton, Ohio. Press. 1,810,640; June 16.
Byerlein, Arthur A., Detroit, Mich., assignor, by mesne assignments, to General Machinery Corporation, Hamilton, Ohio. Press. 1,817,885; Aug. 4.
Byerlein, Arthur A., Detroit, Mich., assignor, by mesne assignments, to General Machinery Corporation, Hamilton, Ohio. Press. 1,827,558; Oct. 13.
Byerley, Marshall E., Big Spring, Tex. Tank car cleaning apparatus. 1,816,954; Aug. 4.
Byers, A. M., Company. (See Aston, J., and Beale, assignors.)
Byers, A. M., Company. (See Beale, Addison H., assignor.)
Byers, A. M., Company. (See Beale, A. H., and Aston, assignors.)
Byers, A. M., Company. (See Beale, A. H., Brassert, and Wille, assignors.)
Byers, A. M., Company. (See Ives, Edward L., assignor.)
Byers, A. M., Company. (See Kamerer, Amos S., assignor.)
Byers, Earl L. (See Hatcher O., and Byers.)
Byers, Eugene M., Milwaukee, Wis. Practice putting device. 1,798,140; Mar. 31.
Byers, Fred E. (See Wheat, W. G., and Byers.)
Byers, Fred E., and W. G. Wheat, assignors to Vibro Electric Tooth Brush Company, Kansas City, Mo. Toothbrush. 1,792,358; Feb. 10.
Byers, Harry J., Beaumont, Tex. Adjustable brace. 1,802,373; Apr. 28.
Byers, Horace G., New York, N. Y., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Age resisting vulcanized rubber composition. 1,806,040; May 19.
Byers, John A., Evanston, Ill., and M. C. Smotzer, Coshocton, Ohio. assignors, by mesne assignments, to Centrifugal Pipe Corporation. Centrifugal casting machine. 1,787,567; Jan. 6.
Byers, John A., Evanston, Ill., and M. C. Smotzer, Coshocton, Ohio, assignors, by mesne assignments, to Centrifugal Pipe Corporation. Wedge knocker for casting machines. 1,795,635; Mar. 10.
Byers, Katherine., and J. Hug, Ames, Iowa. Rotary wire whisk. 1,826,200; Oct. 6.
Byers Machine Company. (See Shaffer, Layton S., assignor.)
Byfield, Ernest L., Chicago, Ill. Bottle. Des. 83,427; Feb. 24.
Byk, Alfred. (See Busch, H., and Byk.)
Byk, Alfred, Berlin-Charlottenburg, and H. Jordan, Berlin-Karlshorst, Germany, assignors to General Electric Company. Electrical conductor. 1,792,273; Feb. 10.
Byland, Howard C. (See Martin, E. R., Byland, Baldenhofer, and Oremesher.)
Byland, Howard C., and F. L. Ormesher, assignors to Cemroc, Inc., Cincinnati, Ohio. Manufacturing building units. 1,796,559; Mar. 17.
Byles, Frank A., Schenectady, N. Y., assignor to General Electric Company. Regulator. 1,796,239; Mar. 10.
Byles, Frank A., Scotia, N. Y., assignor to General Electric Company. Electrical regulating system. 1,806,330; May 19.
Byles, Frank A., Scotia, N. Y., assignor to General Electric Company. Electrical regulating system. 1,824,704; Sept. 22.
Byles, Frank A., Scotia, N. Y., assignor to General Electric Company. Regulating system. 1,831,553; Nov. 10.
Bylin, Henry, Lankin, N. Dak. Traction wheel. 1,827,730; Oct. 20.
Bynum, Hugh R., Memphis, Tenn. Auto chiropodist. 1,829,338; Oct. 27.
By-Products Fuel Machine Co. (See Coleman, R. B., and Hamilton, assignors.)
Bypro Manufacturing Company. (See Elliott, William E., assignor.)
Byrd, James N., Baltimore, Md. Bituminous rubber composition. 1,831,226; Nov. 10.
Byrd, William P., Miami, Fla. Railway-crossing gate. 1,799,728; Apr. 7.
Byrne, John A., Milton, Mass. Steam board. 1,789,213; Jan. 13.
Byrne, Lillian. (See de Lukacsevics, Charles, assignor.)
Byrne, Thomas J., Tulsa, Okla. Ice can filler. 1,826,704; Oct. 13.
Byrne, Thomas W., Dorchester, Mass. Golf bag. 1,818,378; Aug. 11.
Byrne, William W., Mobile, Ala. Automobile advertising apparatus. 1,807,278; May 26.
Byrnes, Clarence P., trustee. (See Blenko, Walter J., assignor.)
Byrnes, Clarence P., trustee. (See Fulton, K. H., and Inman, assignors.)
Byrnes, Clarence P. (See James, Joseph H., assignor.)
Byrnes, Clarence P., Sewickley, Pa. Glass grinding. 1,815,547; July 21.
Byrnes, Edward P., assignor to The Boye Needle Company, Chicago, Ill. Display cabinet. 1,788,082; Jan. 6.
Byrnes, Edward P., assignor to The Boye Needle Company, Chicago, Ill. Spatula. 1,807,279; May 26.
Byrnes, Irving F., Schenectady, N. Y., assignor to General Electric Company. Electrical apparatus. 1,808,524; June 2.
Byrnes, Irving F., Schenectady, N. Y., assignor to General Electric Company. Radio signaling system. 1,833,735; Nov. 24.
Byrnes, Richard A. (See Byrnes, W. J., Byrnes, and Saunders.)
Byrnes, William J., Hubbard Woods, R. A. Byrnes, Chicago, and C. J. Saunders, Elgin, Ill.; said Saunders assignor to said William J. Byrnes and said R. A. Byrnes. News stand structure. 1,817,062; Aug. 4.
Byron Jackson Co. (See Smith, Nelson K., assignor.)
Byson, John P., Algona, assignor to H. Walters, Rockwell City, Iowa. Scraper attachment for tractors. 1,835,273; Dec. 8.
Byssbe, Ernest T., and R. R. Finn, assignors to Jones & Lamson Machine Company, Springfield, Vt. Screw-cutting die. 1,804,459; May 12.
Bystrom, Sigfred O. (See Vandegrift, W. B., and Bystrom.)
C A M Manufacturing Company. (See Meunier, Charles A., assignor.)
C & C Developing Company. (See Jakosky, John J., assignor.)
C & C Developing Company. (See Jakowsky, Jay J., assignor.)
C & C Engineering Co. (See Carrey, John O., assignor.)
C. E. M. S. A. Societa Costruzioni Elettromeccaniche Di Saronno. (See Cappa, Guilio C., assignor.)
C. E. Manufacturing Co. (See Quarrie, Eugene A., assignor.)
C-O-Two Fire Equipment Company. (See Allen, S. E., and Wiswell, assignors.)
C. P. T. Development Corporation. (See Andrews, C. W., and Rogers, assignors.)
C. R. C. Air Cleaner Co. (See Runyon, Roy K., assignor.)
C-S Engineering Company. (See Coffin, Joel S., jr., assignor.)
C-S Engineering Company. (See Schellens, Christopher A., assignor.)
C-S Engineering Company. (See Schellens, E. L., and Peckett, assignors.)

C-S Engineering Company. (See Schellens, Eugene L., assignor.)
C-S Engineering Company. (See Schellens, Eugene L. and C. A., assignors.)
Caals, Cornelis H., The Hague, Netherlands. Filter cloth. 1,788,657; Jan. 13.
Cabbage, George, Evansville, Ind. Nut lock. 1,793,542; Feb. 24.
Cabell, G. H. (See Trimble, Arch J., assignor.)
Cabell, Philip M., New York, N. Y. Apparatus for gasifying liquid fuel. 1,834,087; Dec. 1.
Cable, Davis A., Canton, Ohio, assignor to United States Quarry Tile Company, Parkersburg, W. Va. Tile-making process. 1,791,234; Feb. 3.
Cable, Donald E., Brooklyn, assignor to Oxford Paper Company, New York, N. Y. Manufacturing chemical pulp or cellulose. 1,790,260; Jan. 27.
Cable, George W., Del Mar, Calif. Boat attachment. 1,791,347; Feb. 3.
Cable, Joseph S., Altoona, Pa. Combined case and display device. 1,822,007; Sept. 8.
Cable Radio Tube Corporation. (See Grossman, J. J., and Steinharter, assignors.)
Cable Radio Tube Corporation. (See Steinharter, Joseph J., assignor.)
Cabot Co. (See Duerr, Winslow A., assignor.)
Cabot, Samuel, Jamaica Plain, assignor to Samuel Cabot, Inc., Boston, Mass. Colloidal dispersion product. 1,791,119; Feb. 3.
Cabot, Samuel, Inc. (See Cabot, Samuel, assignor.)
Cabrera, Charles T., assignor to Electro Dialyzer Corporation, New York, N. Y. Filtration process and apparatus. 1,789,425; Jan. 20.
Caccamo, Samuel, San Jose, Calif. Illuminator for license plates. 1,821,420; Sept. 1.
Cadden, Charles C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Strip feeding apparatus. 1,808,525; June 2.
Cadden, Charles C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Calendering method and apparatus. 1,834,573; Dec. 1.
Cade, Alice J., Luray, Kans. Ornamenting surfaces. 1,829,262; Oct. 27.
Cadé, Marcel, Paris, France. Nail polisher. 1,812,772; June 30.
Cademartori, Joseph S., and W. S. Draper, Columbia, Calif. Fuse cutting and splitting and cap crimping tool. 1,835,274; Dec. 8.
Cadenbach, Christian A., assignor to Independent Die & Supply Co., St. Louis, Mo. Cutting die structure. 1,814,824; July 14.
Cadenhead, George L. (See Sutter, J. H., and Cadenhead.)
Cadieux, Joseph O., Meriden, Conn. Gas lamp socket and transformer. 1,804,525; May 12.
Cadieux, Joseph O., assignor to Connecticut Telephone & Electric Corporation, Meriden, Conn. Connector for bulbous terminals. 1,789,935; Jan. 20.
Cadieux, Joseph O., assignor to Connecticut Telephone & Electric Corporation, Meriden, Conn. Telephone. 1,813,887; July 7.
Cadieux, Joseph O., assignor to Connecticut Telephone & Electric Corporation, Meriden, Conn. Telephone apparatus. 1,818,788; Aug. 11.
Cadieux, Joseph O., assignor to Connecticut Telephone & Electric Corporation, Meriden, Conn. Wall telephone instrument. 1,824,705; Sept. 22.
Cadieux, Joseph O., assignor to Connecticut Telephone & Electric Corporation, Meriden, Conn. Electric connecter. 1,838,051; Dec. 22.
Cadman, Addi B. (See Warner, A. P., and Cadman.)
Cadman, Addi B., assignor to Warner Mfg. Co., Beloit, Wis. Semi-trailer. 1,800,006; Apr. 7.
Cadman, Addi B., Beloit, Wis., assignor to Warner Mfg. Co., South Beloit, Ill. Trailer vehicle. 1,806,191; May 19.
Cadman, Addi B., Beloit, Wis., assignor, by mesne assignments, to Warner Electric Brake Corporation, South Beloit, Ill. Vehicle brake. 1,820,650; Aug. 25.
Cadman, Addi B., Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Brake. 1,822,564; Sept. 8.
Cadman, Addi B., and A. C. Warner, Beloit, Wis., assignors, by mesne assignments, to Warner Electric Brake Corporation, South Beloit, Ill. Momentum actuated brake. 1,812,683; June 30.
Cadnum, Elzy W., Brunswick, Ohio. Safety device for automobile steering gears. 1,833,932; Dec. 1.
Cadoret, Louis A., Pawtucket, R. I. Shuttle threader. 1,811,424; June 23.
Cadoret, Louis A., Pawtucket, R. I. Aircraft. 1,822,476; Sept. 8.
Cadré, Paul, Paris, France, assignor to Societe Supercimar S. A., Geneva, Switzerland. Quick hardening cement with high resistance. 1,831,702; Nov. 10.
Cadwallader, Brooke W., Los Angeles, Calif. Expandible reenforced laminated block and plank flooring. 1,799,729; Apr. 7.
Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber and products obtained thereby. 1,801,764; Apr. 21.
Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber and products obtained thereby. 1,801,765; Apr. 21.
Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Making poly nitro phenyl thiazyl sulphides. 1,801,766; Apr. 21.
Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Controlling the vulcanization of rubber and similar materials and products obtained thereby. 1,814,286; July 14.
Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Controlling the vulcanization of rubber and similar materials and products obtained thereby. 1,814,287; July 14.
Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Controlling the vulcanization of rubber and similar materials and products obtained thereby. 1,814,288; July 14.
Cadwell, Sidney M., Leonia, and L. Meuser, Bergenfield, N. J., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber and product obtained thereby. 1,798,133; Mar. 31.
Cadwell, Sidney M., Leonia, and L. Meuser, Bergenfield, N. J., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber and products obtained thereby. 1,802,752; Apr. 28.
Cadwell, Sidney M., Leonia, N. J., and E. Hazell, New York, N. Y., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Increasing the stability and filterability of latex. 1,802,753; Apr. 28.
Cadwell, Sidney M., Leonia, and S. I. Strickhouser, Passaic, N. J., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of rubber. 1,838,034; Dec. 22.
Cady, Sherman W., Perry, N. Y., assignor to International Harvester Company. Depth gauge for tillage disks. 1,790,089; Jan. 27.
Cady, William M., Edgewood, assignor to The Westinghouse Brake Company, Wilmerding, Pa. Automotive brake. 1,824,034; Sept. 22.
Caesar, John, St. Paul, and W. T. Donaldson, White Bear, assignors to Standard Conveyor Company, North St. Paul, Minn. Automatic loading and discharge apparatus for conveyers. 1,832,000; Nov. 17.
Caesar, Orville S., et al. (See Will, Carl H., assignor.)
Caesar, Orville S., Chicago, Ill., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Vehicle body. 1,795,106; Mar. 3.
Caesar, Orville S., Chicago, Ill., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Fluid control valve. 1,833,068; Nov. 24.
Caesar, Orville S., Cleveland, Ohio, assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Vehicle storm sash. 1,823,237; Sept. 15.
Caesar, Orville S., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Heating apparatus for automotive vehicles. 1,833,067; Nov. 24.
Caffray, William E., assignor to Nashua Manufacturing Company, Nashua, N. Y. Machine for dyeing fabrics. 1,791,954; Feb. 10.
Cafiero, Michael J., Brooklyn, N. Y. Cable support. 1,834,142; Dec. 1.
Cagliostro, Antony J., New York, N. Y. Cutting-off device. 1,823,853; Sept. 15.
Cahalan, Eugene M. (See Burke, James P., assignor.)
Cahill, Charles T., Cambridge, and C. E. Cahill, Swampscott, Mass. Saw. 1,793,053; Feb. 17.
Cahill, Clarence E. (See Cahill, Charles T. and C. E.)
Cahill, Daniel R. (See Gasda, S. A., and Cahill.)
Cahill, Harry W. (See McGinness, J. F., and Cahill.)
Cahill, John, Norfolk, Va. Rolling partition or closure. 1,797,321; Mar. 24.
Cahill, John J., Malden, and G. R. Cargill, Medford, Mass. Fire hydrant guard. 1,814,664; July 14.
Cahill, Robert E., and J. Caterini, Cleveland, Ohio. Hand sewing machine. 1,809,192; June 9.
Cahill, Thomas, Ardmore, Pa., assignor to Newton & Thompson Manufacturing Company, Brandon, Vt. Steel-wool holder. 1,788,187; Jan. 6.
Cahill, Thomas, Ardmore, assignor to J. Sauer, Philadelphia, Pa. Scouring device. 1,795,708; Mar. 10.
Cahn, Benjamin, Frankfort-on-the-Main, Germany. Hair clasp especially for making curls. 1,836,899; Dec. 15.
Cahn, Emil, Berlin-Charlottenburg, Germany. Railroad sleeper. 1,800,282; Apr. 14.
Cahn, Frank J., Milwaukee, Wis. Production of organic acids by fermentation. 1,809,797; June 9.
Cahn, Frank J., Whiting, Ind. Citric acid manufacture. 1,812,136; June 30.
Cahn, Tillman, Elkins Park, Pa., assignor to Pioneer Suspender Company. Garter. Des. 84,275; June 2.
Cahn, Tillman, Elkins Park, Pa., assignor to Pioneer Suspender Company. Garter. 1,815,702; July 21.
Cahn, Tillman, Elkins Park, Pa., assignor to Pioneer Suspender Company. Adjustment slide. 1,815,703; July 21.
Cahoon, Ora B., Chicago, Ill., and E. L. Hogan, assignors to American Blower Corporation, Detroit, Mich. Wet process dust collection. 1,823,587; Sept. 15.
Caiazzo, Ralph, assignor to American New Fashion Silverware Corporation, Brooklyn, N. Y. Shoe-heel device. 1,794,944; Mar. 3.

Caiazzo, Ralph, assignor to American New Fashion Silverware Corporation, Brooklyn, N. Y. Window sash. 1,807,507; May 26.
Cail, George H., Cedar Rapids, Iowa. Spring hanger. 1,832,617; Nov. 17.
Cain, Charles B., Lake, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tag for bicycle tires and the like. 1,800,599; Apr. 14.
Cain, John J., Bayonne, N. J. Water-level indicator for boilers. 1,791,120; Feb. 3.
Cain, John J., Bayonne, N. J. Metal drum, barrel, or container. 1,812,929; July 7.
Cain, John J., Bayonne, N. J. Apparatus for and making boiler headers. 1,819,636; Aug. 18.
Cain, John J., Bayonne, N. J. High pressure gauge cock. 1,819,672; Aug. 18.
Cain, John R., Washington, D. C., assignor to The Richardson Company, Lockland, Ohio. Forming flotant metal powders. 1,794,585; Mar. 3.
Cain, John R., Washington, D. C., and G. Yungblut, Dayton, Ky., assignors to The Richardson Company, Lockland, Ohio. Manufacture of metallic sheets. 1,818,379; Aug. 11.
Cain, John R., Washington, D. C., and G. Yungblut, Dayton, Ky., assignors to The Richardson Company, Lockland, Ohio. Producing metal articles electrolytically, particularly sheets. 1,834,203; Dec. 1.
Cain, Loyd H., Tyler, Tex. Packless valve. 1,809,773; June 9.
Cain, William E. (See Gotthardt, H. R., and Cain.)
Cair, Robert, Company. (See Tinsley, Edward O., assignor.)
Caire, Philippe. (See Balachowsky, D. and Caire.)
Caire, Philippe. (See Balachowsky, D., Caire, and Lévy.)
Cairncross, Robert L., Chicago, Ill., and G. H. Goodell, St. Paul, Minn., assignors to The National Lock Washer Company, Newark, N. J. Wrench of yielding and adjustable structure. 1,814,544; July 14.
Cairns Development Company. (See Carns, Edmund B., assignor.)
Cairns, William F., Great Neck, N. Y., assignor to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Gaiter or similar waterproof rubber footwear. Des. 83,597; Mar. 10.
Caison, David H., Supply, N. C. Plow line guide. 1,828,024; Oct. 20.
Cakmo, Luke, Chicago, Ill. Cellar drain. 1,795,833; Mar. 10.
Calabrese, Antonio, Seattle, Wash. Dump power operated shovels. 1,830,224; Nov. 3.
Calamari, Peter T., Deep River, Conn. Switch. 1,811,714; June 23.
Calco Chemical Company, The. (See Crossley, Moses L., assignor.)
Calco Chemical Company, The. (See Mensing, Carl E., assignor.)
Calco Chemical Company, The. (See Sumner, Richard E., assignor.)
Calcott, William S., and W. A. Douglass, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Retarding deterioration of rubber. 1,789,696; Jan. 20.
Calcott, William S., and W. A. Douglass, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating rubber. 1,790,794; Feb. 3.
Calcott, William S. and W. A. Douglass, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Rubber antioxidant. 1,796,980; Mar. 17.
Calcott, William S., and W. A., Douglass, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounding rubber. 1,830,749; Nov. 10.
Calcott, William S., Penns Grove, F. B. Downing, Carney's Point, and D. H. Powers, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Rubber-like product and making same. 1,829,502; Oct. 27.
Calcott, William S., Penns Grove, N. J., and I. E. Lee, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Gum inhibitor for hydrocarbons. 1,789,302; Jan. 20.
Calcott, William S., Penns Grove, and A. E. Parmelee, Carneys Point, N. J. Stabilization of tetra alkyl lead and compositions containing the same. 1,835,141; Dec. 8.
Calcott, William S., Penns Grove, and A. E. Parmelee, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of tetra alkyl lead and compositions containing the same. 1,835,140; Dec. 8.
Calcott, William S., Penns Grove, N. J., and H. W. Walker, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Noncorrosive water and alcoholic solution. 1,797,401; Mar. 24.
Calcott, William S., Penns Grove, N. J., and H. W. Walker, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Noncorrosive water and alcoholic solution. 1,797,402; Mar. 24.
Calcott, William S., Penns Grove, N. J., and H. W. Walker, Wilmington, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Noncorrosive solutions. 1,810,946; June 23.

Calderwood, Hugh A., Pittsburgh, Pa., assignor to National Electric Products Corporation, New York, N. Y. Fastening means for separable parts. 1,795,107; Mar. 3.
Calderwood, Hugh A., Pittsburgh, Pa., assignor, by mesne assignments, to National Electric Products Corporation. Outlet box. 1,835,633; Dec. 8.
Caldwell, Edwin de H., Fredonia, assignor to Franklin Railway Supply Company, New York, N. Y. Valve gear. 1,814,545; July 14.
Caldwell Experimental Corporation. (See Caldwell, Henry C., assignor.)
Caldwell, Frank B., Oak Park, assignor to Link-Belt Company, Chicago, Ill. Flexible bearing for screw conveyers. 1,829,392; Oct. 27.
Caldwell, Frank W., Dayton, Ohio, assignor, by mesne assignments, to The Hamilton Standard Propeller Corporation. Propeller hub. 1,801,486; Apr. 21.
Caldwell, Frank W., Dayton, Ohio, assignor to The Hamilton Standard Propeller Corporation. Propeller. 1,836,700; Dec. 15.
Caldwell, Fred S., Denver, Colo. Apparatus for mining coal. 1,837,651; Dec. 22.
Caldwell, Frederick W., New York, N. Y. Truck loading mechanism. 1,820,526; Aug. 25.
Caldwell, George A., Decatur, Ill. Method and apparatus for welding structural members. 1,831,343; Nov. 10.
Caldwell, Hendrix K., San Diego, Calif. Grounding clamp. 1,805,804; May 19.
Caldwell, Henry C., assignor to Caldwell Experimental Corporation, Buffalo, N. Y. Burning gas. 1,789,542; Jan. 20.
Caldwell, Henry C., assignor to Caldwell Experimental Corporation, Buffalo, N. Y. Heat generator. 1,789,543; Jan. 20.
Caldwell, John B., and O. J. Karst, St. Louis, Mo. Cigarette extinguisher. 1,838,090; Dec. 29.
Caldwell, John H., Milwaukee, Wis. Land clearing machine. 1,807,150; May 26.
Caldwell, John R., F. E. Dalberg, and J. A. Fitch, assignors to The General Fireproofing Company, Youngstown, Ohio. Metallic cabinet structure. 1,836,901; Dec. 15.
Caldwell, Leslie M., Rockford, Ill. Window. 1,814,289; July 14.
Caldwell, Lyle, Los Angeles, Calif., assignor, by mesne assignments, to Celite Corporation, New York, N. Y. Treating oil. 1,802,628; Apr. 28.
Caldwell, Prince D., Los Angeles, Calif. Centrifugal compressor. 1,820,344; Aug. 25.
Cadwell, Sidney M., Leonia, N. J., and A. T. Maximoff, New York, N. Y., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Aldehyde-amine condensation products and preparing same. 1,804,398; May 12.
Caldwell, Stuart H., Detroit, Mich, assignor to Auto Research Corporation. Joint and making the same. 1,823,028; Sept. 15.
Caldwell, Welsey A., Champaign, Ill. Table top for portable saws. 1,801,721; Apr. 21.
Caldwell, William A., Los Angeles, Calif. Two speed power transmission. 1,812,511; June 30.
Cadwell, William H., and J. Ott, assignors to The Beaton & Cadwell Manufacturing Company, New Britain, Conn. Seat operated flush valve. 1,803,958; May 5.
Calhoun, Tracy J., assignor to The Oil Conservation Engineering Company, Cleveland, Ohio. Tank nozzle for swing joint and pipe line connections. 1,817,029; Aug. 4.
Calhoun, Van Leonard, Baton Rouge, La. Lawn mower grinder. 1,820,777; Aug. 25.
California Bank. (See Gruss, Raymond L., assignor.)
California Bank. (See Reed, Whiteman, assignor.)
California Chemical Corporation. (See Barrows, Stanley H., assignor.)
California Conserving Company. (See Martin, Foster, assignor.)
California Corrugated Culvert Co. (See Force, Raymond C. and H. W., assignors.)
California Corrugated Culvert Co. (See Hutton, Arthur R. assignor.)
California Fruit Growers Exchange. (See Börnegg, Carl B. v., assignor.)
California Fruit Growers Exchange. (See Jameson, E., Stewart, and Wilson, assignors.)
California Fruit Growers Exchange. (See Wilson, C. P., and Nedvidek, assignors.)
California Fruit Growers Exchange. (See Wilson, C. P., and Stewart, assignors.)
California Packing Corporation. (See Bernier, Henri, assignor.)
California Packing Corporation. (See Burt, H. P., Burt, and Sanborn, assignors.)
California Packing Corporation. (See Duncan, Arthur L., assignor.)
California Packing Corporation. (See Goranson, Hjalmar and David, assignors.)
California Packing Corporation. (See Muller, W. A., and Youman, assignors.)
California Packing Corporation. (See Olivarius, Holger de F., assignor.)
California Packing Corporation. (See Richardson, Alan C., assignor.)
California Sitton. (See Escobedo, Pablo, assignor.)
California Women of the Golden West, The. (See Isaacs, Lida S.)

Calimani, Attilio, et al. (See Paolini, Ugo, assignor.)
Calimani, Attilio, and G. Campana, Milan, Italy, assignors of one-half to said Calimani, and one-half to G. Moneta. Device for milk vessels. 1,819,226; Aug. 18.
Calis, John G., Clifton, N. J. Truck. 1,820,728; Aug. 25.
Calkins, Addison N., assignor to Electric Wheel Company, Quincy, Ill. Brake. 1,793,774; Feb. 24.
Calkins, Chauncey L., assignor to Temporator Company, Chicago, Ill. Switchboard. 1,795,930; Mar. 10.
Calkins, Claude C., Spokane, Wash. Seed-treating machine. 1,788,617; Jan. 13.
Calkins, Claude C., Spokane, Wash. Shoe bearing. 1,804,672; May 12.
Calkins, Claude C., Spokane, Wash. Rotary rod weeder. 1,818,532; Aug. 11.
Calkins, Frederic A., Waterbury, Conn. Splash guard for automobile rear fenders. 1,821,690; Sept. 1.
Calkins, James M., Miami, Fla. Dirigible headlight. 1,798,062; Mar. 24.
Calkins, James M., Miami, Fla. Dirigible headlight. 1,820,117; Aug. 25.
Calkins, Lloyd E., Joliet, Ill., assignor to The Ruberoid Co., Boundbrook, N. J. Siding strip. Des. 84,808; Aug. 11.
Calkins, William L., jr., Freeport, Ill. Adjustable display rack. 1,827,969; Oct. 20.
Call, Benjamin G., Tacoma, Wash., assignor to American Smelting and Refining Company, New York, N. Y. Calcine-dust seal. 1,793,274; Feb. 17.
Callaghan, Alfred B., assignor to Caltex Company, Inc., New York, N. Y. Coating composition. 1,787,425; Jan. 6.
Callahan, Harold. (See Tschappat, Sheridan P., assignor.)
Callahan, James P., et al. (See Pringle, William F., assignor.)
Callahan, John J., and W. D. McDermott, Lynn, Mass. Closure for collapsible tubes. 1,820,435; Aug. 25.
Callahan, Michael J., New York, N. Y. Heating and ventilating unit. 1,788,823; Jan. 13.
Callahan, Michael J., New York, N. Y., deceased; A. V. Deardon and E. E. Wigg, executors, assignors to Peerless Unit Ventilation Co. Inc., Bridgeport, Conn. Thermal control for dampers for heating and ventilating units. 1,825,689; Oct. 6.
Callan, John G. (See Allen, A., and Callan.)
Callan, John G. (See Webb, S. W., Callan, and Allen.)
Callard, Robert P., and J. H. Moller, Charleston, W. Va., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting sheet glass. 1,834,120; Dec. 1.
Callard, Robert P., and J. H. Moller, Charleston, W. Va., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass cutting apparatus. 1,834,143; Dec. 1.
Callaway, Alfred S., Chicago, Ill., assignor to The Kendall Company, Boston, Mass. Athletic supporter. 1,821,962; Sept. 8.
Callaway, Clarence R., Long Beach, assignor to Gurney Elevator Company, Inc., New York, N. Y. Elevator guide rail lubricating mechanism. 1,810,695; June 16.
Callaway, Clarence R., assignor to Gurney Elevator Company, Inc., Honesdale, Pa. Automatic leveling device for elevators. 1,821,613; Sept. 1.
Callebaut, Charles, and J. De Blicquy, Leeds, England. Dyeing of knitted and woven fabrics. 1,788,980; Jan. 13.
Callender, Albert, Brooklyn, N. Y. Bag-carrying cane. 1,838,986; Dec. 29.
Callender, Stephen J., Worcester, Mass. Changeable-letter sign. 1,797,322; Mar. 24.
Caller, Raymond E., New York, N. Y. Conduit for dust collecting systems. 1,804,147; May 5.
Caller, Raymond E., Scarsdale, N. Y. Waste fuel-making method and apparatus. 1,809,819; June 16.
Caller, Solomon, Chicago, Ill. Movable sign exhibitor. 1,812,621; June 30.
Calling, John, Chicago, Ill., assignor to International Harvester Company. Cotton picker spindle. 1,838,360; Dec. 29.
Callingham, Frederick J., Brighton, England. Electromagnetic switch. 1,832,477; Nov. 17.
Callison, Abner F., New York, N. Y. Equipment for airplane landing fields or terminals. 1,818,841; Aug. 11.
Callsen, Albert, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Induction meter. 1,806,331; May 19.
Callsen, Jürgen, Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Tribromoalcohols and preparing the same. 1,822,008; Sept. 8.
Calmus, Clarence J., Brookfield, and J. H. Tomlin, Cicero, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Producing electrical apparatus. 1,837,754; Dec. 22.
Caloroil Burner Corporation. (See Binkley, Martin J., assignor.)
Caloroil Burner Corporation. (See Grant, Albert E., assignor.)
Calpin, Raymond, Everett, assignor to A. S. Campbell Company, East Boston, Mass. Latch. 1,821,879; Sept. 1.
Calrew, Incorporated. (See Prosser, Robert H., assignor.)
Calrew Incorporated. (See Ward, Seymour P., assignor.)
Caltex Company. (See Callaghan, Alfred B., assignor.)
Calumet Steel Company. (See Carrel, Frank G., assignor.)
Calumet Steel Company. (See Hook, L. H., Evans, and Wallrab, assignors.)
Calvani, Fulvio, Newark, N. J. Saxophone. 1,828,389; Oct. 20.
Calvani, Fulvio, Newark, N. J. Saxophone. 1,828,390; Oct. 20.
Calverley, John E., Preston, and W. E. Highfield, assignors to The English Electric Company, Limited, London, England. Electric converting apparatus. 1,791,861; Feb. 10.
Calverley, John E., Preston, and W. E. Highfield, assignors to The English Electric Company, Limited, London, England. Electric converting apparatus. 1,808,399; June 2.
Calvert, Robert, Wilmette, assignor to Van Schaack Bros. Chemical Works, Inc., Chicago, Ill. Ester of diethylene glycol. 1,807,304; May 26.
Calvignac, Germain. (See Perrot, H., and Calvignac.)
Cambay, Charles A., Paris, France. Automatic coin controlled telephone apparatus. 1,816,073; July 28.
Cambay, Charles A., Paris, France. Automatic coin controlled telephone apparatus. 1,837,110; Dec. 15.
Camblin, Robert G., Wewoka, Okla. Reel. 1,803,231; Apr. 28.
Cambridge Cement Stone Company. (See Bossi, J. B., and Mazzuchelli, assignors.)
Cambridge Instrument Company. (See Hindle, Charles F., assignor.)
Cambridge Instrument Company, The. (See Kruse, Ralph H., assignor.)
Cambridge Laboratories. (See Smith, Charles G., assignor.)
Cambridge Paper Box Co., The. (See Seckendorf, Richard P., assignor.)
Cambridge Rubber Company. (See Crocket, James B., assignor.)
Cambridge Rubber Co. (See Dunbar, Ernest W., assignor.)
Cambridge Wire Cloth Company, The. (See Pink, Edward F., assignor.)
Cambron, Adrien, Ottawa, Ontario, Canada, assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company, New York, N. Y. Accelerator for the vulcanization of rubber. 1,796,240; Mar. 10.
Cambron, Adrien, Tottenville, N. Y., assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Preparation of tetra-methyl-thiuram polysulphides. 1,798,588; Mar. 31.
Camco Scale Corporation. (See Chambers, Leverett D., assignor.)
Camco Scale Corporation. (See Rohn, Arthur, assignor.)
Camden, John H., and B. Powell, Jacksonville, Fla. Tray support for automobiles. 1,830,347; Nov. 3.
Camel Company. (See Beauchamp, W. A., and Tobin, assignors.)
Camel Company. (See Eklind, C. E., and Darrow, assignors.)
Camel Company. (See Fehr, E. J., and Tobin, assignors.)
Camel Company. (See Goodnow, T. H., and Tobin, assignors.)
Camel Company. (See Heinen, F. C., Tobin, and Wasberg, assignors.)
Camel Company. (See Sklind, C. E., and Tobin, assignors.)
Camel Company. (See Tobin, K. J., and Beauchamp, assignors.)
Camel Company. (See Tobin, K. J., and Darrow, assignors.)
Camel Company. (See Tobin, K. J., and Eklind, assignors.)
Camel Company. (See Tobin, K. J., and Wasberg, assignors.)
Camel Company. (See Vegren, C. R., and Tobin, assignors.)
Camel Company. (See Wasberg, A., and Tobin, assignors.)
Cameo Refrigerator Corporation. (See Covell, Ernest G., assignor.)
Camerino, Ernest, New York, N. Y. Atomizing nozzle. 1,833,108; Nov. 24.
Cameron, Alexander S., assignor to W. J. Cameron, Chicago, Ill. Optical instrument. 1,796,359; Mar. 17.
Cameron, Alexander S., assignor to W. J. Cameron, Chicago, Ill. Optical apparatus. 1,797,544; Mar. 24.
Cameron, Belle S., Wiarton, Ontario, Canada. Hosiery darning form. Des. 84,622; July 14.
Cameron Can Machinery Co. (See Cameron, William, assignor.)
Cameron, Celina C., Erie, Pa. Garment. 1,797,714; Mar. 24.
Cameron, Celina C., Philadelphia, Pa. Woman's garment. 1,834,331; Dec. 1.
Cameron, Charles E., jr., East Orange, N. J., assignor to Lauter-Humano Co. Piano case and making the same. 1,799,675; Apr. 7.
Cameron, Charles E., jr., East Orange, N. J., assignor to Lauter-Humana Co. Piano lighting device. 1,805,973; May 19.
Cameron, Charles E., jr., East Orange, N. J., assignor to Lauter-Humana Co. Piano action. 1,806,595; May 26.
Cameron, Eddie C., et al. (See Cameron, Hugh F., assignor.)
Cameron, Harold D. (See Cooper, J. F., and Cameron.)

Cameron, Hugh F., assignor of three-fourths to E. C. Cameron and G. Muennink, sr., Hondo, and J. C. Johnson, Three Rivers, Tex. Oil well tester. 1,814,894; July 14.
Cameron, Hugh J., Fort Wayne, Ind., assignor to General Electric Company. Nonmetallic gear wheel and manufacturing the same. 1,814,825; July 14.
Cameron, Hugh M., Woodhaven, assignor to J. Chatillon & Sons, New York, N. Y. Spring scale. 1,806,741; May 26.
Cameron, Hugh M., Woodhaven, assignor to J. Chatillon & Sons, New York, N. Y. Projecting scale. 1,806,742; May 26.
Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Friction-resistance device for winding machines. 1,791,659; Feb. 10.
Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Slitting device. 1,802,457; Apr. 28.
Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Controlling webs. 1,838,612; Dec. 29.
Cameron, James A., Brooklyn, N. Y., and R. M. Johnstone, Short Hills, N. J., assignors to Cameron Machine Company, Brooklyn, N. Y. Slitting device. 1,794,398; Mar. 3.
Cameron, James A., Brooklyn, N. Y., and G. B. Rickard, Glen Rock, N. J., assignors to Cameron Machine Company, Brooklyn, N. Y. Winding machine. Re18,060; May 5.
Cameron, James G., Aberfoyle, Scotland. Tamping and rolling machine operated by vibration. 1,819,866; Aug. 18.
Cameron Machine Company. (See Cameron, James A., assignor.)
Cameron Machine Company. (See Cameron, J. A., and Richard, assignors.)
Cameron Machine Company. (See Johnstone, Robert M., assignor.)
Cameron Machine Company. (See Van Stry, Charles C., assignor.)
Cameron, Richard, Buffalo, N. Y. Antenna for radio apparatus. 1,832,093; Nov. 17.
Cameron, Will J., Chicago, Ill. Handle for instruments for making examinations. 1,793,463; Feb. 24.
Cameron, William, assignor to Cameron Can Machinery Co., Chicago, Ill. Threading machine. 1,792,812; Feb. 17.
Cameron, William, assignor to Cameron Can Machinery Co., Chicago, Ill. Automatic stop mechanism. 1,806,890; May 26.
Cameron, William, assignor to Cameron Can Machinery Company, Chicago, Ill. Stop mechanism for presses. 1,819,673; Aug. 18.
Cameron, William J. (See Cameron, Alexander S., assignor.)
Cameron, William J. (See Grothe, Arthur A., assignor.)
Cameron, William J. (See Moon, Sampson W., assignor.)
Cameron, William J., Chicago, Ill. Razor operating mechanism. 1,832,001; Nov. 17.
Camerota, Louis A., Burlington, N. J., assignor to Walter Wood, Philadelphia, Pa. Shock absorbing base for jar molding machines. 1,802,107; Apr. 21.
Camfield, William H., Newark, N. J. Pen holder. Des. 85,513; Nov. 10.
Caminez, Harold, Dayton, Ohio. Internal-combustion engine. 1,793,904; Feb. 24.
Caminez, Harold, Garden City, assignor to Fairchild-Caminez Engine Corporation, New York, N. Y. Engine case breather valve. 1,801,953; Apr. 21.
Camiré, Joseph, Central Falls, R. I. Hot air furnace. 1,809,233; June 9.
Camizzi, Vincent, et al. (See Wright, Leonard K., assignor.)
Cammack, Horace, St. Louis, Mo. Lamp socket. 1,829,127; Oct. 27.
Cammann, Oswald, jr., Newton, Mass. Domestic mixing machine. 1,824,328; Sept. 22.
Camp, Clarence A., Oakland, Calif. Fire extinguisher. 1,815,494; July 21.
Camp, Curtis B., trustee. (See Bracke, Robert F., assignor.)
Camp, Curtis B. (See Bracke, R. F., and Spohr, assignors.)
Camp, Curtis B., trustee. (See Bradbury, Clifford C., assignor.)
Camp, Curtis B., trustee. (See Spohr, Carl W., assignor.)
Camp, Curtis B., trustee. (See Stokes, Charles L., assignor.)
Camp, Eugene V., Atlanta, Ga. Resilient traffic guard. 1,793,673; Feb. 24.
Camp, Eugene V., Atlanta, Ga. Road guard. 1,793,674; Feb. 24.
Camp, Eugene V., Atlanta, Ga. Road guard. 1,793,675; Feb. 24.
Camp, Eugene V., Atlanta, Ga. Road guard. 1,793,676; Feb. 24.
Camp, Joseph P., Germantown, Pa. Transporting valuables. 1,810,641; June 16.
Camp, Percy B., Maywood, Ill. Brake mechanism. 1,815,235; July 21.
Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Clevis for brakes. 1,805,805; May 19.
Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Brake slack adjuster for railway cars. 1,812,256; June 30.
Camp, Percy B., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Slack adjuster for railway car brakes. 1,834,088; Dec. 1.
Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Brake adjuster. 1,834,574; Dec. 1.
Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Brake adjuster. 1,834,575; Dec. 1.
Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Slack adjuster for railway car brakes. 1,834,576; Dec. 1.
Camp, S. H., & Company. (See Sigsbee, Paul R.)
Camp, Samuel H. (See Sigsbee, Paul R., assignor.)
Camp, Samuel H., Jackson, Mich. Combination garment and support. 1,790,792; Feb. 3.
Camp, Samuel H., Jackson, Mich. Abdominal support. 1,798,368; Mar. 31.
Campagne, Emile, Villeurbanne, assignor of one-half to A. Gildemeister, Paris, France. Treating vanadium ores and particularly vanadates of lead and other metals. 1,834,236; Dec. 1.
Campagnie d'Applications Mecaniques. (See Rouanet, Louis, assignor.)
Campana, Giuseppe. (See Calimani, A., and Campana.)
Campbell, A. S., Company. (See Calpin, Raymond, assignor.)
Campbell, A. S., Company. (See Kubler, Frederick J., assignor.)
Campbell, Albert W., Bay City, Mich. Body construction. 1,823,643; Sept. 15.
Campbell, Alexander B., jr., Jacksonville, Fla. Window screen. 1,798,833; Mar. 31.
Campbell, Alexander M., Winnipeg, Manitoba, Canada. Disk plow. 1,805,974; May 19.
Campbell, Alvin R., San Francisco, Calif., and C. D. Draper, Seattle, Wash. Tractor device to provide three speeds in reverse for said tractor. 1,801,658; Apr. 21.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Railway-car-door construction. 1,787,855; Jan. 6.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Operating means for sliding car doors. 1,794,146; Feb. 24.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car door. 1,817,346; Aug. 4.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Load discharging car. 1,818,688; Aug. 11.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Load discharging car door mechanism. 1,818,689; Aug. 11.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Load discharging car. 1,823,029; Sept. 15.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. 1,826,049; Oct. 6.
Campbell, Argyle, Chicago, and G. B. Willard, Western Springs, assignors to Enterprise Railway Equipment Company, Chicago, Ill. Car door. 1,817,347; Aug. 4.
Campbell, Arthur J., Stone, England. Supporting china and earthenware during the firing process in tunnel oven or kiln. 1,802,235; Apr. 21.
Campbell, Charles, London, England, assignor to The Tabulating Machine Company, New York, N. Y. Record-card-controlled statistical machine. 1,791,921; Feb. 10.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Test rack. 1,787,509; Jan. 6.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Fluid-pressure brake. 1,799,730; Apr. 7.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Angle cock. 1,802,403; Apr. 28.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Remote control mechanism. 1,806,669; May 26.
Campbell, Charles A., Watertown, N. Y., assignor to New York Air Brake Company. Support for lubricators. 1,808,835; June 9.
Campbell, Charles A., and J. D. Cartin, Watertown, N. Y., assignors to The New York Air Brake Company. Pump governor. 1,830,927; Nov. 10.
Campbell, Charles A., and J. D. Cartin, Watertown, N. Y., assignors to The New York Air Brake Company. Pump governor. 1,830,928; Nov. 10.
Campbell, Douglas S., Cleveland, Ohio, assignor to The Pocahontas Oil Company. Sign. Des. 83,794; Mar. 31.
Campbell, Elba E., assignor to Chrysler Corporation, Detroit, Mich. Fan. 1,818,607; Aug. 11.
Campbell, Frank L., Oakland, Calif. Scale. Des. 83,845; Apr. 7.
Campbell, Frank S. (See Diggs, S. H., and Campbell.)
Campbell, Frank X., Bronx, N. Y. Mirror. 1,815,966; July 28.
Campbell, Frank X., Bronx, N. Y. Mirror. 1,836,900; Dec. 15.

Campbell, Fred W. (See Smiley, Harry D., assignor.)
Campbell, Gordon G., Upper Montclair, and J. Klepac, Fort Lee, N. J., assignors to Kohler-Brambach Piano Company, New York, N. Y. Grand piano action. 1,803,890; May 5.
Campbell, Grant, Short Hills, N. J. Liquid-relief valve. 1,789,541; Jan. 20.
Campbell, Grant, Short Hills, N. J. Steam heating system. 1,833,824; Nov. 24.
Campbell, Guy, Tottenham, London, England, assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Shock absorbing mount or support. 1,819,835; Aug. 18.
Campbell, Guy L. (See Hayman, A. T., and Campbell.)
Campbell, Harry E., Baltimore, Md. Sash having resilient edge portions. 1,797,403; Mar. 24.
Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Window frame and sash construction. Re18,026; Apr. 7.
Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Window sill and sash construction. 1,787,933; Jan. 6.
Campbell, Harry E., Milwaukee, Wis., assignor, by mesne assignments to Cutler-Hammer, Inc. Drum controller box. 1,826,050; Oct. 6.
Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Window head construction. 1,827,222; Oct. 13.
Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Window operating mechanism. 1,835,558; Dec. 8.
Campbell, Harry V., Freehold, N. J. Pile structure. 1,805,975; May 19.
Campbell, Henry G., Dundee, Scotland. Electric furnace. 1,818,789; Aug. 11.
Campbell, Herbert F., Philadelphia, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y. Crushing machinery. 1,791,712; Feb. 10.
Campbell, Horace L., St. Louis, Mo. Hoist or lifting mechanism. 1,792,359; Feb. 10.
Campbell, Horace L., St. Louis, Mo. Aeroplane. 1,821,494; Sept. 1.
Campbell, Howard D., Merchantville, N. J. Nut lock means. 1,801,846; Apr. 21.
Campbell, James, Jackson, Mich. Auto body and top. 1,809,505; June 9.
Campbell, James C., assignor to Electric-Air Tool Corporation, New York, N. Y. Pneumatic hammer. Des. 83,147; Jan. 27.
Campbell, James S. (See Fickett, E. L., Greene, Charushin, and Campbell.)
Campbell, James T., jr., Franklin, Pa. Securing device for carpets. 1,826,988; Oct. 13.
Campbell, Jarrett C., Napfor, Ky. Swing construction. 1,810,595; June 16.
Campbell, John B., Salem, N. J, assignor by mesne assignments, to Carthage Mills Incorporated, Cincinnati, Ohio. Making flooring and product thereof. 1,823,238; Sept. 15.
Campbell, John B., Salem, N. J., assignor, by mesne assignments, to Carthage Mills Incorporated, Cincinnati, Ohio. Producing rug and other patterns on felt base fabrics. 1,824,758; Sept. 29.
Campbell, John R., Burnaby, Ontario, Canada. Combined floor waxer and polisher. 1,284,534; Sept. 22.
Campbell, John S. (See McBride, H. D., and Campbell.)
Campbell, John S., Pittsburgh, Pa. Antiskid chain holder. 1,806,840; May 26.
Campbell, Julian A., Long Beach, Calif. Pressure-control apparatus. 1,787,895; Jan. 6.
Campbell, Julian A. Long Beach, Calif. Collector pan for absorbers. 1,790,224; Jan. 27.
Campbell, Julian A., Long Beach, Calif. Absorber. 1,814,125; July 14.
Campbell, Lawrence P., Sharpsburg, Pa. Mower-cutter reel. 1,787,471; Jan. 6.
Campbell, Leggett C., assignor to Newark Wire Cloth Company, Newark, N. J. Wire cloth selvage. 1,808,526; June 2.
Campbell, Leon J., Buchanan, Mich. Transmission mechanism. 1,800,928; Apr. 14.
Campbell, Leon J., Buchanan, Mich., assignor, by mesne assignments, to The Studebaker Corporation, South Bend, Ind. High-speed clutch for change-speed transmissions. 1,798,928; Mar. 31.
Campbell, Lorn, jr. (See Austin, F. S., and Campbell.)
Campbell, Lorn, jr., Cleveland, Ohio. Welding torch construction. 1,810,158; June 16.
Campbell, Lorn, jr., Cleveland, Ohio. Welding torch. 1,835,845; Dec. 8.
Campbell, Lorn, jr., Minneapolis, Minn., assignor to The Harris Calorivic Company, Cleveland, Ohio. Valve structure. 1,802,002; Apr. 21.
Campbell Metal Window Corporation. (See Armstrong, Addison C., assignor.)
Campbell Metal Window Corporation. (See Bianco, Henry, assignor.)
Campbell Metal Window Corporation. (See Campbell, Harry E., assignor.)
Campbell, Milton C., Chicago, Ill., assignor, by mesne assignments, to I. Guilden, New York, N. Y. Blank for unbreakable watch crystals. 1,831,703; Nov. 10.
Campbell, Murdock J. (See Wade, William J., assignor.)
Campbell, Norman R., Watford, England. Gas-filled photo-electric cell. 1,800,337; Apr. 14.
Campbell, Norman R., Watford, England. Manufacture of photo-electric cells. 1,803,000; Apr. 28.
Campbell, Percy A., East Cleveland, Ohio, assignor to General Electric Company. Incandescent lamp or similar article. 1,832,689; Nov. 17.
Campbell, Phil I., assignor of one-fourth to F. C. Brosius, Wichita, Kans. Golf club bag support. 1,810,903; June 23.
Campbell, Philip S., Houston, assignor of one-half to March Culmore, Harris County, Tex. Cooler. 1,835,463; Dec. 8.
Campbell, Robert B., assignor to Desmond Manufacturing Company, Muskegon Heights, Mich. Sprinkling apparatus. 1,804,742; May 12.
Campbell, Robert C., Millburn, N. J., assignor, by mesne assignments, to Oliver United Filters, Inc., San Francisco, Calif. Filtering material and method of filtering sugar juices. 1,803,380; May 5.
Campbell, Robert F., Miami, Fla. Heating-control attachment for hot-water boilers. 1,790,533; Jan. 27.
Campbell, Robert F., Stuart, Fla. Cattle muzzle. 1,822,610; Sept. 8.
Campbell, Robert P., Racine, Wis. Harvesting machine. 1,832,094; Nov. 17.
Campbell, Roy, Montreal, Quebec, assignor to Sun Investment Corporation, Montreal, Canada. Card index. 1,801,623; Apr. 21.
Campbell, Roy L., Athens, and H. T. Winterbauer, Fancy Prairie, Ill. Automatic binder hitch. 1,797,897; Mar. 24.
Campbell, Samuel G., Newton, Iowa. Safety cock for gas burners. 1,787,775; Jan. 6.
Campbell, Samuel J., assignor to Hudson-Sharp Machine Company, Green Bay, Wis. Machine for folding and scalloping paper sheets. 1,805,510; May 19.
Campbell, Samuel J., assignor to Hudson-Sharp Machine Company, Green Bay, Wis. Folding and scalloping machine. 1,822,954; Sept. 15.
Campbell, Sterling H. (See Pietzsch, F. H., and Campbell.)
Campbell, Sterling H., assignor to Western Railway Equipment Company, St. Louis, Mo. Retaining valve fastening. 1,826,051; Oct. 6.
Campbell, Sterling H., assignor to Western Railway Equipment Company, St. Louis, Mo. Retaining valve fastening. 1,826,052; Oct. 6.
Campbell, Sterling H., and F. K. Habenicht, assignor to Western Railway Equipment Company, St. Louis, Mo. Bolt. 1,820,556; Aug. 25.
Campbell, Stewart L., Berkeley, assignor to J. Grant, Los Angeles, Calif. Slip elevator. 1,790,225; Jan. 27.
Campbell, Stewart L., Berkeley, assignor to J. Grant, Los Angeles, Calif. Slip-ring elevator. 1,797,494; Mar. 24.
Campbell, Stewart L., Berkeley, assignor to J. Grant, Los Angeles, Calif. Rotary underreamer. 1,809,820; June 16.
Campbell, Stewart L., Berkeley, assignor to J. Grant, Los Angeles, Calif. Renewable reamer. 1,810,201; June 16.
Campbell, Stewart L., Berkeley, and J. Grant, Los Angeles, Calif.; said Campbell assignor to said Grant. Expanding reaming or cutting tool. 1,805,806; May 19.
Campbell, Sumner E. (See Ihrig, Harry K., assignor.)
Campbell, Susie S., Marlin, Tex. Head rest. 1,837,406; Dec. 22.
Campbell, Temple L. (See Schroeder, George R., assignor.)
Campbell, Thaddeus C., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Show case. 1,823,085; Sept. 15.
Campbell, Thomas D., Hardin, Mont. Harvesting and thrashing grain. 1,823,387; Sept. 15.
Campbell, Wallace H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Method of and apparatus for manufacturing hollow resilient articles. 1,792,813; Feb. 17.
Campbell, Walter R. (See Ullstrand, H. M., and Campbell.)
Campbell, Willard D. (See McKee, A. L., and Campbell.)
Campbell, William, Tulsa, Okla. Combination ladder and ironing board. 1,826,504; Oct. 6.
Campbell, William H., et al, executors. (See Triplett, James B.)
Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,795,931; Mar. 10.
Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,797,045; Mar. 17.
Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,824,869; Sept. 29.
Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Knife guard for slicing machines. 1,824,870; Sept. 29.
Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Pusher plate for slicing machines. 1,825,711; Oct. 6.
Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing Machine Company, Chicago, Ill. 1,825,712; Oct. 6.

Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,835,275; Dec. 8.
Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Work support for slicing machines. 1,835,276; Dec. 8.
Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,837,014; Dec. 15.
Campbell, William M., North Vancouver, British Columbia, Canada. Acoustic chamber. 1,832,763; Nov. 17.
Campkin, Frederick, assignor to The Hall Organ Company, West Haven, Conn. Organ. 1,796,438; Mar. 17.
Campello Shank Company. (See Lake, J. W., and Finks, assignors.)
Campen, Elmo D., San Francisco, Calif. Shook-feeding machine. 1,798,834; Mar. 31.
Camper, Andrew R., Roanoke, Va. Slug-casting mold. 1,800,169; Apr. 7.
Campo, James. (See Meyer, G. J., Dreher, and Campo.)
Campodenic, John J., Stockton, assignor to Paulino, Tiburton, and M. E. Esposto, as joint tenants, San Francisco, Calif. Traction wheel. 1,800,600; Apr. 14.
Campodonico, Lazaro M., and L. Baratelli, Buenos Aires, Argentina. Barrier for railway level crossings and the like. 1,798,721; Mar. 31.
Camps, Harold E. J., London, England. Hull structure of ships and the like. 1,826,728; Oct. 13.
Canada Valve & Hydrant Company, Ltd. (See Brodsky, Gregory, assignor.)
Canaday, Jesse L., Memphis, Tenn. Garage. 1,815,429; July 21.
Canaday, Miron S., Rochester, Minn., assignor to Reid, Murdoch & Co., Chicago, Ill. Apron retort crate loader. 1,825,048; Sept. 29.
Canaday, Read B., Anderson, Ind. Toy lariat. 1,818,301; Aug. 11.
Canaday, Walter A., Bridgeport, Nebr. Casket lowering apparatus. 1,828,391; Oct. 20.
Canadian Electro Products Company. (See Matheson, Howard W., assignor.)
Canadian Electro Products Company. (See Matheson, H. W., and Skirrow, assignors.)
Canadian Electro Products Company. (See Nieuwland, Julius A., assignor.)
Canadian Electro Products Company. (See Reid, H. S., and Maude, assignors.)
Canadian National Railway Company. (See Burkholder, John C., assignor.)
Canadian Silk Products Limited. (See Thompson, E. J., and Hubler, assignors.)
Canavan, Edward J., Woodcliff, N. J., assignor to The Barrett Company. Sulphurized phenols and process of making. 1,828,172; Oct. 20.
Candas, Gaston, Paris, France. Brooch and the like. 1,798,867; Mar. 31.
Candee, Allan H., assignor to Gleason Works, Rochester, N. Y. Gear-cutting machine. 1,799,085; Mar. 31.
Candee, Allan H., and M. H. Johanson, assignors to Gleason Works, Rochester, N. Y. Gear-cutting machine. 1,799,883; Apr. 7.
Candee, L. and Company, The. (See Clements, Eugene E., assignor.)
Candee, L., & Company. (See Patten, Ernest L., assignor.)
Candee, L., & Company. (See Shinkle, Seaphes D., assignor.)
Candee, L., & Company. (See Shippling, Charles A., assignor.)
Candee, Zenas P., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Cutting machine. 1,789,929; Mar. 31.
Candee, Zenas P., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Transfer mechanism. 1,805,976; May 19.
Candor, Robert R., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,822,583; Sept. 8.
Cane, Gordon F., assignor, by mesne assignments, to T. Thompson, San Francisco, Calif. Head board for foldable beds. 1,834,380; Dec. 1.
Canellis, Nicholas G. (See Gallagher, Frank H., assignor.)
Canfield, Cornelia. (See MacKnight, Hector, assignor.)
Canfield, Melville W., Los Angeles, Calif. Process and apparatus for inking embossed work. Re18,197; Sept. 15.
Canfield, Melville W., Los Angeles, Calif. Apparatus for applying inking materials. 1,837,702; Dec. 22.
Canfield, Melville W., Los Angeles, Calif. Process and apparatus for inking embossed work. 1,797,323; Mar. 24.
Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method and apparatus for blowing hollow glassware. 1,803,001; Apr. 28.
Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Manufacture of blown glassware. 1,807,566; May 26.
Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method and apparatus for shaping glass. 1,811,075; June 23.
Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for making glassware. 1,835,758; Dec. 8.
Canine, Chester W., Cincinnati, Ohio. Assorting apparatus. 1,797,495; Mar. 24.
Cann, Harry E., West Chester, Pa. Liquid cooler. 1,797,128; Mar. 17.
Cannady, Lester V., Denver, Colo. Shampoo drain. 1,791,348; Feb. 3.
Cannard, William H., Green Bay, Wis. Web converting apparatus. 1,823,877; Sept. 22.
Cannard, William H., Green Bay, and A. G. Lewis, La Crosse, Wis. Roll winding machine. 1,819,406; Aug. 18.
Canney, Frank R., assignor to Boeing Airplane Company, Seattle, Wash. Cabin ventilator. 1,816,314; July 28.
Canning, Eugene A., East Cleveland, assignor to Frank B. Stearns, Cleveland Heights, Ohio. Fuel injection valve. 1,821,790; Sept. 1.
Cannon, Alfred C. (See Gerow, J. A., and Cannon.)
Cannon, Carl W., Andover, Mass. Mailing case. 1,796,320; Mar. 17.
Cannon, Charles F., jr., assignor of 45% to E. O. Bischoff, Milwaukee, Wis. Golf tee. Des. 85,229; Sept. 29.
Cannon, Earl, assignor to American Fluid Motors Company, Philadelphia, Pa. Hydraulic operating mechanism. 1,828,643; Oct. 20.
Cannon, Evan E., Beaumont, Tex. Mechanical vacuum. 1,836,443; Dec. 15.
Cannon, Guy H. (See Dow, H. H., and Cannon.)
Cannon, Hiram B., Erie, Pa. Apparatus for heating fluid. 1,791,955; Feb. 10.
Cannon, Hugh H., assignor to Cannon-Prutzman Treating Processes, Ltd., Los Angeles, Calif. Reagent for sweetening gasoline. 1,798,784; Mar. 31.
Cannon, Hugh H., assignor to Cannon-Prutzman Treating Processes, Ltd., Los Angeles, Calif. Cleaning filter tubes. 1,801,539; Apr. 21.
Cannon, Hugh H., assignor to Cannon-Prutzman Treating Processes, Ltd., Los Angeles, Calif. Apparatus for desludging liquids. 1,804,743; May 12.
Cannon, Hugh H., assignor to Cannon-Prutzman Treating Processes, Ltd., Los Angeles, Calif. Tapered tube filter press. 1,812,773; June 30.
Cannon, Hugh H., and W. W. Gary, assignors ,by mesne assignments, to Cannon-Prutzman Treating Processes, Ltd., Los Angeles, Calif. Continuous method for sweetening petroleum. 1,789,167; Jan. 13.
Cannon, Hugh H., and W. W. Gary, assignors, by mesne assignments, to Cannon-Prutzman Treating Processes, Ltd., Los Angeles, Calif. Sweetening sulphurous petroleum. 1,789,168; Jan. 13.
Cannon, John W., Providence, R. I. Valve. 1,794,442; Mar. 3.
Cannon, John W., Plainfield, N. J. Heater for boilers of the horizontal type. 1,795,832; Mar. 10.
Cannon, John W., Plainfield, N. J. Heater for boilers of the vertical type. 1,816,110; July 28.
Cannon, Patrick J., New York, N. Y. Rotating means. 1,828,593; Oct. 20.
Cannon-Prutzman Treating Processes, Ltd. (See Cannon, Hugh H., assignor.)
Cannon-Prutzman Treating Processes, Ltd. (See Cannon, H. H., and Gary, assignors.)
Cannon-Prutzman Treating Process Ltd. (See Gary, Wright W., assignor.)
Cannon-Prutzman Treating Processes, Ltd. (See Gifford, Charles D., assignor.)
Cannon, William D. (See Milnor, J. W., and Cannon.)
Cannon, William D., Metuchen, N. J., assignor to The Western Union-Telegraph Company, New York, N. Y. Neutralizing disturbing frequencies in communication circuits. 1,836,575; Dec. 15.
Canon, Frank A., Crafton, and C. E. Andrews, Carnegie, assignors, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Controlling temperatures of vapor phase catalytic reactions. 1,834,679; Dec. 1.
Canterbury, Harry H., et al. (See Hilstad, John R., assignor.)
Canton, Allen A., New York, N. Y. Producing polychromatic screens and the like. 1,828,958; Oct. 27.
Canton Forge & Axle Company. (See Sampson, Norman E., assignor.)
Canton, Rolland J., Worcester, Mass. Can filling machine. 1,824,425; Sept. 22.
Cantor, Simon, Brooklyn, assignor to La Belle Specialty Co., Inc., New York, N. Y. Torchère. Des. 83,188; Feb. 3.
Cantor, Simon, New York, N. Y., assignor to La Belle Specialty Co., Inc. Lamp base or article of analogous nature. Des. 83,308; Feb. 17.
Cantrell, Isaac D., Dallas, Tex. Saw filer's gauge. 1,813,989; July 14.
Canuel, Edward, Molson, Wash. Bag-handling apparatus. 1,788,858; Jan. 13.
Canulette, Andrew D., assignor to Canulette Ship Building Co. Inc., Slidell, La. Material handling grapple. 1,820,118; Aug. 25.
Canulette Ship Building Co. Inc. (See Canulette, Andrew D., assignor.)
Canvas Products Company. (See Dees, William H., assignor.)
Capehart Corporation, The. (See Small, Thomas W., assignor.)
Capeliuschnicoff, Matvey A., New York, N. Y. Well-drilling tool. 1,790,460; Jan. 27.
Capell, Carl F., Santa Monica, assignor of one-fourth to H. C. Brown, Los Angeles, Calif. Electrical switching mechanism. 1,800,053; Apr. 7.

Capell, Carl F., Santa Monica, assignor of one-fourth to H. C. Brown, Los Angeles, Calif. Signaling apparatus for motor vehicles. 1,806,670; May 26.
Capell, Carl F., Santa Monica, assignor of one-fourth to H. C. Brown, Los Angeles, Calif. Lamp holder. 1,808,400; June 2.
Capell, Carl F., Santa Monica, Calif., assignor to Orna-Metal Awning Corporation, Las Vegas, Nev. Stapling machine. 1,813,839; July 7.
Capell, Carl F., Santa Monica, assignor of one-fourth to H. C. Brown, Los Angeles, Calif. Oscillating signal. 1,815,139; July 21.
Capellman, Joseph, Tarentum, Pa. Glass edging machine. 1,820,778; Aug. 25.
Capezio, Salvatore, East Paterson, N. J. Tap sole. 1,809,107; June 9.
Capezio, Salvatore, East Paterson, N. J. Ballet slipper. 1,813,561; July 7.
Capezio, Salvatore, East Paterson, N. J. Toe shield. 1,819,766; Aug. 18.
Capicotto, James V., Brooklyn, assignor to Dubilier Condenser Corporation, New York, N. Y. Vacuum tube. 1,817,674; Aug. 4.
Capital Hat Block Co. (See Lundquist, J. D., and Buxbaum, assignors.)
Capital Lighting Fixture Company. (See Schreibman, Harry, assignor.)
Capito, Pete, assignor of one-half to T. L. Sattarelli, Weirton, W. Va. Antibacklash mechanism for rolling mill-trains. 1,790,697; Feb. 3.
Caplan, Solomon, Brooklyn, assignor to Combustion Utilities Corporation, New York, N. Y. Purification of tar-acid-bearing oils. 1,799,780; Apr. 7.
Caplan, Solomon, Brooklyn, assignor to Combustion Utilities Corporation, New York, N. Y. Purification of tar acid-bearing oils. 1,822,842; Sept. 8.
Caple, Sherman L., Sheridan, Wyo. Trouser support. 1,822,477; Sept. 8.
Capouch, Elmer M., Riverside, Ill. Tub mat or similar article. Des. 85,859; Dec. 29.
Cappa, Giulio C., Turin, assignor of one-half to C. E. M. S. A. Societa Costruzioni Elettromeccaniche Di Saronno, Milan, Italy. Change-speed gear. 1,789,271; Jan. 13.
Cappa, Giulio C., assignor to Societá Anonima Automobile Ansaldo, Turin, Italy. Driving-axle suspension for motor cars. 1,790,640; Feb. 3.
Cappa, Giulio C., assignor of one-half to Societa Anonima Automobili Ansaldo, Turin, Italy. Arrangement of the generators on air cooled internal combustion engines. 1,838,806; Dec. 29.
Capparella, Thomas, New York, N. Y. Leak gauge. 1,797,071; Mar. 17.
Cappel, Herman C., and O. C. Gross, assignors to Greer Steel Company, Dover, Ohio. Annealing container. 1,796,082; Mar. 10.
Capps, Arthur W. F., Gaywood, Kings Lynn, England. Drying by air circulation. 1,836,525; Dec. 15.
Capps, Frank L., Milford, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Motor starter. 1,792,814; Feb. 17.
Capps, Frank L., Milford, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Stylus holder. 1,836,153; Dec. 15.
Capps, Frank L., Milford, Conn., and H. A. Summers, Brooklyn, N. Y., assignors to Columbia Phonograph Company, Inc., Bridgeport, Conn. Pickup. Re18,089; June 2.
Capps, William P. (See Rife, M. O., and Capps.)
Caprio, Amerigo F. (See Walsh, J. F., and Caprio.)
Caprio, Amerigo F., Newark, N. J., assignor, by mesne assignments to Celluloid Corporation. Manufacture of colored imitation mother of pearl. 1,812,283; June 30.
Caprio, Amerigo F., Newark, N. J., assignor to Celluloid Corporation. Manufacture of colored imitation mother of pearl. 1,812,284; June 30.
Capron, Everett S. (See Benner, R. C., and Capron.)
Caproni, Gianni, Rome, Italy. Aeroplane. 1,799,088; Mar. 31.
Caproni, Gianni, Rome, Italy. Aeroplane fuselage fitted with arrangements for carrying and dropping large bombs. 1,835,846; Dec. 8.
Caps, Arthur W. (See Greene, J. S., and Caps.)
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic print-treating apparatus. 1,788,448; Jan. 13.
Caps, Arthur W., Kansas City, Mo., assignor to Photostat Corporation, Providence, R. I. Photographic-copying machine. 1,789,351; Jan. 20.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Timing mechanism. 1,791,555; Feb. 10.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic apparatus. 1,793,837; Feb. 24.
Caps, Arthur W., and I. E. Leininger, Kansas City, Mo., assignors, by mesne assignments, to Photostat Corporation, Providence, R. I. Photographic copying machine. 1,794,347; Feb. 24.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic-print-treating apparatus. 1,799,280; Apr. 7.
Caps, Arthur W., Kansas City, Mo., assignor to Photostat Corporation, Providence, R. I. Photographic-copying machine. 1,800,007; Apr. 7.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic copying machine. 1,801,540; Apr. 21.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Automatic print washer. 1,802,192; Apr. 21.
Caps, Arthur W., Rochester, N. Y., assignor to The Photostat Corporation, Providence, R. I. Photographic apparatus. 1,802,193; Apr. 21.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic apparatus. 1,802,194; Apr. 21.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic developing apparatus. 1,803,002; Apr. 28.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic apparatus. 1,808,836; June 9.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Roll holder for photographic apparatus. 1,811,779; June 23.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic apparatus. 1,815,967; July 28.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic camera. 1,818,461; Aug. 11.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic apparatus. 1,818,462; Aug. 11.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Signal for photographic apparatus. 1,824,258; Sept. 22.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Copy conveyer for photographic apparatus. 1,826,599; Oct. 6.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic camera. 1,832,277; Nov. 17.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Drainage device for tanks. 1,834,381; Dec. 1.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Spring back copyholder. 1,834,897; Dec. 1.
Caps, Arthur W., and E. Du Pree, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I. Photographic print treating and conveying apparatus. 1,832,278; Nov. 17.
Caps, Arthur W., and J. S. Greene, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I. Apparatus for treating photographic prints. 1,824,259; Sept. 22.
Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Color photography. 1,817,963; Aug. 11.
Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for reproducing photographic sound records. 1,831,796; Nov. 10.
Capstan Glass Company. (See Brown, Banks D., assignor.)
Capstan Glass Company. (See Piazzoli, Theodore J., assignor.)
Cara, Dominick J., Memphis, Tenn. Window hood. 1,790,793; Feb. 3.
Caraba, Rudolph, Chicago, Ill. Automatic switch. 1,797,072; Mar. 17.
Caracristi, Virginius Z. (See Caracristi, Virginius Z., assignor.)
Caracristi, Virginius Z., Bronxville, N. Y. Air heater. 1,805,652; May 19.
Caracristi, Virginius Z., Bronxville, assignor, by mesne assignments, to V. Z. Caracristi, New York, N. Y. Pulverized-coal-burning locomotive. 1,789,697; Jan. 20.
Caracristi, Virginius Z., Bronxville, N. Y., assignor to International Combustion Engineering Corporation, New York, N. Y. Stationary boiler. 1,792,068; Feb. 10.
Caracristi, Virginius Z., Bronxville, N. Y., assignor to Locomotive Pulverized Fuel Company. Furnace. 1,810,343; June 16.
Caramella, Frank, Detroit, Mich. Oven rack. 1,802,234; Apr. 21.
Carballo, Raul J., Buenos Aires, Argentina. Insect trap. 1,812,512; June 30.
Carbaugh, Conrad A., Dickeys Mountain, Pa. Adjusting stop for sawmill carriage head blocks. 1,821,421; Sept. 1.
Carbide & Carbon Chemicals Corporation. (See Brower, Paul V., assignor.)
Carbide and Carbon Chemicals Corporation. (See Curme, George O., jr.)
Carbide & Carbon Chemicals Corporation. (See Curme, G. O. jr., and Lommen, assignors.)
Carbide and Carbon Chemicals Corporation. (See Davidson, Joseph G., assignor.)
Carbide and Carbon Chemicals Corporation. (See Davidson, J. G., and Reid, assignors.)
Carbide & Carbon Chemicals Corporation. (See Harvey, Norman D., jr., assignor.)
Carboloy Company. (See Martin, Walter H., assignor.)
Carbonara, Victor E., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Optical instrument. 1,834,017; Dec. 1.

Carbonaro, Mario, Paris, France. Liquid meter. 1,808,734; June 2.
Carbondale Machine Co., The. (See Torrance, Henry, assignor.)
Carbo-Oxygen Company. (See Austin, F. S., and Campbell, assignors.)
Carbo-Oxygen Company. (See Ricker, George A., assignor.)
Carborundum Company, The. (See Beach, Hobart C., assignor.)
Carborundum Company, The. (See Benner, R. C., and Capron, assignors.)
Carborundum Company, The. (See Benner, R. C., and Easter, assignors.)
Carborundum Company, The. (See Benner, R. C., Easter, and Hawke, assignors.)
Carborundum Company, The. (See Benner, R. C., and Porter, assignors.)
Carborundum Company, The. (See Easter, George J., assignor.)
Carborundum Company, The. (See Forse, Edwin B., assignor.)
Carborundum Company, The. (See Hartmann, Miner L., assignor.)
Carborundum Company, The. (See Hawke, Clarence E., assignor.)
Carborundum Company, The. (See Johnson, Boyd M., assignor.)
Carborundum Company. (See Meagher, John R., assignor.)
Carborundum Company, The. (See Tone, Frank J., assignor.)
Card, Andrew H., jr., Pineville, Ky. Vehicle screen. 1,827,353; Oct. 13.
Card, Charles S., Denver, Colo. Parallel-throw spring-lock switch stand for railroads. 1,790,795; Feb. 3.
Card, Charles S., assignor to The Brewer-Titchenor Corporation, Cortland, N. Y. Making conductor clamps. 1,823,561; Sept. 15.
Card Display, Inc. (See Lamb, Franklin, assignor.)
Card, John L., Baltimore, Md., assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment press. 1,814,665; July 14.
Card, John L., Baltimore, Md., assignor to United States Hoffman Machinery Corporation, New York, N. Y. Clutch. 1,822,955; Sept. 15.
Card, Zina L., Milwaukee, Wis. Grease cup. 1,806,446; May 19.
Cardarelli, Engene J. (See Brooks, B. T., and Cardarelli.)
Carder, Augustus W. (See Carder, Earle H. and A. W.)
Carder, Earle H. and A. W. Carder, Pacific Palisades, Calif. Combination hot and cold water faucet. 1,801,847; Apr. 21.
Carder, Frederick, Corning, N. Y. Article of bric-a-brac. Des. 84,515; June 30.
Carder, Frederick, Corning, N. Y. Article of bric-a-brac. Des. 85,323; Oct. 13.
Cardoza, Antone J., Oakland, Calif. Temporary binder. Re18,009; Mar. 24.
Cardoza, Antone J., Oakland, Calif. Index binder. 1,818,302; Aug. 11.
Cardwell, Thomas, St. Louis, Mo. Journal box jack. 1,810,893; June 23.
Cardwell Westinghouse Company. (See Sproul, Donald F., assignor.)
Cardwell Westinghouse Company. (See Stevens, Roy R., assignor.)
Cardwell Westinghouse Company. (See Woernley, Harry F., assignor.)
Caretta, Ettore, Turin, Italy. Liquid elevator. 1,799,086; Mar. 31.
Carey, Charles W., Wilbur, Ky. Liquid-dispensing apparatus. 1,791,349; Feb. 3.
Carey, Edward M. (See Aldrich, Benjamin F., assignor.)
Carey, Harry L., Richmond Hill, assignor to Illuminated Arrow Corporation, New York County, N. Y. Traffic indicator. 1,834,332; Dec. 1.
Carey, Philip, Manufacturing Company, The. (See Fischer, Albert C., assignor.)
Carey, Philip Manufacturing Company, The. (See Fischer, A. C., Stewart, and Herbst, assignors.)
Carey-McFall Co. (See Reukauf, Edward, jr., assignor.)
Carey-McFall Co. (See Stuber, Walter J., assignor.)
Carey, Philip, Manufacturing Company, The. (See Benedict E. L., and Glose, assignors.)
Carey, Philip, Manufacturing Company, The. (See Crampton, Theodore H. M., assignor.)
Carey, Philip, Manufacturing Company, The. (See Fischer, Albert C., assignor.)
Carey, Philip, Manufacturing Company, The. (See Greider, Harold W., assignor.)
Carey, Philip, Manufacturing Company, The. (See Henshaw, Lewis J., assignor.)
Carey, Philip, Manufacturing Company, The. (See Jones, Edward F., assignor.)
Carey, Philip Manufacturing Company, The. (See Rogers, Homer L., assignor.)
Carey, Philip, Manufacturing Company, The. (See Ross, Edgar S., assignor.)
Carfrey, James J., assignor to Gotham Silk Hosiery Company, Inc., Philadelphia, Pa. Runner stop for stockings. 1,807,508; May 26.
Cargill, George R. (See Cahill, J. J., and Cargill.)
Cargill, William W., assignor to French Battery Company, Madison, Wis. Flashlight. 1,809,506; June 9.
Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Motion-transmitting mechanism. 1,787,720; Jan. 6.
Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Keying gears to shafts. 1,790,261; Jan. 27.
Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission mechanism for motor vehicles. 1,831,480; Nov. 10.
Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Contactor. 1,833,736; Nov. 24.
Carino, Frank. (See Fontanarosa, A., and Carino.)
Cariveau, Robert E., St. Paul, Minn. Toy aeroplane. 1,802,195; Apr. 21.
Carl, Byron E., New York, N. Y., and W. S. Austin, Newark, N. J., assignors to Aluminum Chloride Oil Refining Corporation, New York, N. Y. Recovery of aluminum chloride from the residue of aluminum chloride oil refining. 1,835,279; Dec. 8.
Carl, James W., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,813,987; July 14.
Carlberg, August E., assignor to Stevens Walden, Incorporated, Worcester, Mass. Wrench. 1,796,083; Mar. 10.
Carle, Harold, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Paper box. 1,797,404; Mar. 24.
Carle, Harold, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Canada. Making paper boxes. 1,797,941; Mar. 24.
Carleton, George, Detroit, Mich. Combined weighing scale, clock, and advertising panel. Des. 83,148; Jan. 27.
Carleton, Herbert O., Brooklyn, N. Y., assignor to Duplex Motion Picture Industries, Inc. Photographic pointing apparatus. 1,819,541; Aug. 18.
Carlewitz, Emil W., Jersey City, N. J. Garment hanger. 1,803,003; Apr. 28.
Carley, John D., The Hague, The Netherlands. Mechanism. 1,836,748; Dec. 15.
Carley, Leonard R., Watertown, assignor to The Patent Button Company, Waterbury, Conn. Button. Des. 85,158; Sept. 22.
Carley, Leonard R., Watertown, assignor to The Patent Button Company, Waterbury, Conn. Button. Des. 85,159; Sept. 22.
Carley, Leonard R., Watertown, assignor to Patent Button Company, Waterbury, Conn. Fastener. 1,789,034; Jan. 13.
Carley, Leonard R., Watertown, assignor to Patent Button Company, Waterbury, Conn. Fastener and attaching it. 1,789,035; Jan. 13.
Carley, Leonard R., Watertown, assignor to Patent Button Company, Waterbury, Conn. Setting die. 1,832,764; Nov. 17.
Carley, Leonard R., Watertown, and F. R. White, assignors to The Patent Button Company, Waterbury, Conn. Flexible type button. 1,821,614; Sept. 1.
Carley, Leonard R., Watertown, and W. T. Abel, Waterville, assignors to The Patent Button Company, Waterbury, Conn. Fanciful button and making the same. 1,821,615; Sept. 1.
Carley, Leonard R., Watertown, and F. R. White, assignors to The Patent Button Company, Waterbury, Conn. Flexible type button. 1,821,616; Sept. 1.
Carley, Thomas R., Los Angeles, Calif. Lady's fashion cane. Des. 83,952; Apr. 21.
Carlile, Frank S., Abington, Pa. Preparing metallic molds for casting metal. 1,811,610; June 23.
Carlin, James C., Gladwyne, assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Tire bead and making same. 1,809,106; June 9.
Carlin, James D. (See Cremer, T. H., and Carlin.)
Carlin, Julius E., Freehold, N. J. Shearing and cutting machine. 1,791,191; Feb. 3.
Carlin, Julius E., Freehold, N. J. Screw-driver. 1,816,359; July 28.
Carlisle, Harry J., Kenya Colony, East Africa. Container for storing gramophone records. 1,815,830; July 21.
Carlisle, Paul J., Niagara Falls, assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company, New York, N. Y. Treating and rectifying vapors. 1,801,412; Apr. 21.
Carlisle, Paul J., Niagara Falls, N. Y., assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Vapor phase process for alkyl chlorides. 1,834,089; Dec. 1.
Carlisle, Richard W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Field control device. 1,811,454; June 23.
Carlisle, Richard W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Field control device. 1,811,536; June 23.
Carlisle, Richard W., Pittsburgh, Pa., and I. S. Pierson, Schenectady, N. Y.; said Carlisle assignor to Westinghouse Electric and Manufacturing Company; said Pierson, assignor to General Electric Company. Translating device. 1,837,755; Dec. 22.
Carliss, Albert E., Floral Park, N. Y., assignor to Acme Air Appliance Co., Inc. Air-pressure gauge. 1,797,324; Mar. 24.

Carlon, John, assignor of one-half to J. E. Mekota, Crete, Nebr. Golf bag prop. 1,808,724; June 2.
Carloni, Carlo, Milan, Italy. Outlet cock. 1,796,560; Mar. 17.
Carlotti, Charles J., New York, N. Y. Hangar for dirigibles. 1,829,503; Oct. 27.
Carlotti, Charles J., New York, N. Y. Hangar. 1,829,504; Oct. 27.
Carlsen, Andrew E. (See McFarland, D. F., and Davis, assignors.)
Carlsen, Leonard O. (See Hill, M. H., and Carlsen.)
Carlsen, Leonard O., assignor to Gleason Works, Rochester, N. Y. Gear cutting machine. 1,829,263; Oct. 27.
Carlsen, Paul J. (See McKay, H. J., Carlsen, Fuhrman, and Unzel.)
Carlson, Alexander, and E. W. Ericson, Detroit, Mich., assignors to Dietrich Incorporated. Cover fastener and the like. 1,810,870; June 16.
Carlson, Anthony E., Los Angeles, Calif., assignor to Reed Roller Bit Company, Houston, Tex. Drill bit. 1,816,568; July 28.
Carlson, Arthur G., Alexandria, S. Dak. Attachment for cultivators. 1,802,498; Apr. 28.
Carlson, Axel, Seattle, Wash. Fish lure. 1,796,590; Mar. 17.
Carlson, Axel F., Cambridge, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 1,787,928; Jan. 6.
Carlson, Axel F., Cambridge, assignor to Reece Shoe Machinery Company, Boston, Mass. Sewing machine. 1,797,822; Mar. 24.
Carlson, Axel F., Cambridge, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole sewing machine. 1,805,205; May 12.
Carlson, Axel F., Cambridge, assignor to The Reece Button Hole Machine Company, Boston, Mass. Thread holder and trimmer for buttonhole sewing machines. 1,820,557; Aug. 25.
Carlson, Axel F., Cambridge, assignor to Reece Shoe Machinery Company, Boston, Mass. Welt sewing machine. 1,837,756; Dec. 22.
Carlson, Axel F., Cambridge, assignor to Reece Shoe Machinery Company, Boston, Mass. Shoe sewing machine. 1,837,757; Dec. 22.
Carlson, Axel F., Cambridge, assignor to Reece Shoe Machinery Company, Boston, Mass. Welt sewing machine. 1,837,758; Dec. 22.
Carlson, Carl A. (See Broughton, C. B., Leifheit, and Carlson.)
Carlson, Carl A., San Francisco, Calif. Illuminated license plate. 1,800,603; Apr. 14.
Carlson, Carl H., Los Angeles, Calif. Extensible and retractable airfoil. 1,789,925; Jan. 20.
Carlson, Carl L. (See Gröndal, J. G., and Carlson.)
Carlson, Carl T., Erie, Pa., assignor to Erie City Iron Works, Erie, Pa. Steam boiler. 1,798,454; Mar. 31.
Carlson, Carl T., Erie, Pa. Heat exchanger. 1,828,799; Oct. 27.
Carlson, Cecil G., Willmar, Minn. Water heater. 1,810,642; June 16.
Carlson, Cecil G., Willmar, Minn. Radiator for heating. 1,816,250; July 28.
Carlson, Charles G., Chicago, Ill. Folding table. 1,805,235; May 12.
Carlson, Charles H. (See Pierson, R. N., and Carlson.)
Carlson, Charles J., Seattle, Wash. Machine for removing box covers. 1,837,015; Dec. 15.
Carlson, Charles N., assignor to C. A. Johnson, Virginia, Minn. Storm-sash fastener. 1,800,884; Apr. 14.
Carlson, Charles V., Los Angeles, Calif. Device for truing brake drums. 1,832,529; Nov. 17.
Carlson, Chester L., Crockett, Calif. Control device for affination centrifugals. 1,820,374; Aug. 25.
Carlson, Chester L., Crockett, Calif. Control system for sugar washing apparatus and the like. 1,828,127; Oct. 20.
Carlson, Chris C., Rawlins, Wyo. Typewriter eraser. 1,788,658; Jan. 13.
Carlson, David E., Minneapolis, Minn. Finger ring. Des. 83,953; Apr. 21.
Carlson, David E., Minneapolis, Minn. Finger ring. Des. 83,954; Apr. 21.
Carlson, David E., Minneapolis, Minn. Wedding ring. Des. 83,955; Apr. 21.
Carlson, David E., Minneapolis, Minn. Wedding ring. Des. 84,026; Apr. 28.
Carlson, David E., Minneapolis, Minn. Ring. Des. 85,686; Dec. 8.
Carlson, Edwin G., Riverside, assignor to Speidel Chain Co., Providence, R. I. Extension device. 1,790,300; Jan. 27.
Carlson, Edwin G., Riveside, assignor to Speidel Chain Co., Providence, R. I. Flexible bracelet. 1,836,955; Dec. 15.
Carlson, Elof L., assignor to The E. Ingraham Company, Bristol, Conn. Clock-case. Des. 84,623; July 14.
Carlson, Elof L., assignor to The E. Ingraham Co., Bristol, Conn. Electric clock. 1,802,333; Apr. 28.
Carlson, Elof L., assignor to The E. Ingraham Co., Bristol, Conn. Electric clock. 1,802,334; Apr. 28.
Carlson, Elof L., assignor to The E. Ingraham Co., Bristol, Conn. Pawl for ratchet-mechanisms. 1,818,690; Aug. 11.
Carlson, Elof L., assignor to The E. Ingraham Co., Bristol, Conn. Demountable clock. 1,832,359; Nov. 17.
Carlson, Elof L., assignor to The E. Ingraham Company, Bristol, Conn. Synchronous-motor electric audible-signal clock. 1,836,956; Dec. 15.
Carlson, Elof L., assignor to The E. Ingraham Company, Bristol, Conn. Synchronous-motor electric audible-signal clock. 1,836,957; Dec. 15.
Carlson, Enoch W., assignor of one-half to B. Anderson, Jamestown, N. Y. Ladder. 1,815,236; July 21.
Carlson, Eric S., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window-regulator handle or similar article for an automotive vehicle. Des. 83,247; Feb. 10.
Carlson, Ernest J., Reading, Pa. Mason's leveling table. 1,820,436; Aug. 25.
Carlson, Frank W., Chicago, Ill. Floor drain. 1,811,611; June 23.
Carlson, Frans T., Wakefield, Mass. Piano-action bracket. 1,787,665; Jan. 6.
Carlson, Fritz N., Minneapolis, Minn. Doorcheck. 1,836,013; Dec. 15.
Carlson, Fritz O., Frederick, Md., assignor to Ox Fibre Brush Company, Inc., New York, N. Y. Brush machine. 1,835,464; Dec. 8.
Carlson, George, Ansonia, Conn., assignor to General Electric Company. Connecter. 1,795,196; Mar. 3.
Carlson, George H., assignor to Elstrom, Carlson & Co., Rockford, Ill. Exercising machine. 1,793,996; Feb. 24.
Carlson, Herbert E., and C. S. Morse, De Kalb, Ill. Drink mixer. 1,819,637; Aug. 18.
Carlson, Hjalmar E., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Rotary tobacco feed for cigar machines. 1,810,904; June 23.
Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Making pipe fittings. 1,830,262; Nov. 3.
Carlson, Hugo N. (See Townsend, E. C. H., and Carlson.)
Carlson, Johan A., assignor to L. F. Pratt, Ashland, Mass. Printing machine. 1,808,451; June 2.
Carlson, John W., assignor to Hedman Manufacturing Company, Chicago, Ill. Check-writing machines. 1,798,455; Mar. 31.
Carlson, Knute E., Campello, Mass. Apparatus for moistening shoes. 1,818,691; Aug. 11.
Carlson, Oscar F., assignor to Deere & Company, Moline, Ill. Stone deflecting means for low cut harvesters. 1,802,335; Apr. 28.
Carlson, Oscar F., assignor to Deere & Company, Moline, Ill. Sulky hay rake. 1,812,035; June 30.
Carlson, Oscar F., assignor to Deere & Company, Moline, Ill. Hitch connection. 1,835,592; Dec. 8.
Carlson, Philip, Long Hill, Conn., assignor, by mesne assignments, to T. Ratchelous, New York, N. Y. Truck cab. Des. 85,811; Dec. 22.
Carlson, Philip E. (See Ulrich, Carl J., assignor.)
Carlson, Richard E., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Producing articles. 1,796,683; Mar. 17.
Carlson, Swan O., Paton, Iowa. Safety for repeating guns. 1,837,850; Dec. 22.
Carlson, Walter C., assignor to The Milwaukee Paper Box Company, Milwaukee, Wis. Receptacle. 1,813,659; July 7.
Carlson, Wendell L., Camden, N. J., assignor to General Electric Company. Musical Instrument. 1,823,724; Sept. 15.
Carlson, Wendell L., Schenectady, and K. A. Chittick, Scotia, N. Y., assignors to General Electric Company. High-frequency amplifying apparatus. 1,801,138; Apr. 14.
Carlson, Wendell L., and R. S. Holmes, Schenectady, N. Y., assignors to General Electric Company. Amplifying system. 1,792,274; Feb. 10.
Carlson, Wilbur. (See Hutchins, W. H., and Carlson.)
Carlson, William R., Prescott, Oreg. Positive regulated oiling apparatus for edger arbors. 1,810,755; June 16.
Carlsson, Erik V. (See Hyden, T. G. O., and Carlsson.)
Carlstedt, Fredrik. (See Engberg, A. O., and Carlstedt.)
Carlstedt Ragnar, Stockholm, Sweden. Hydraulic regulator. 1,827,067; Oct. 13.
Carlston, Joel B., Galesburg, Ill. Form for dresses. 1,805,076; May 12.
Carlston, Peter C., Salt Lake City, Utah. Automatic shut-off device. 1,807,586; June 2.
Carlton, Charles W., Syracuse, N. Y. Rotary engine. 1,819,867; Aug. 18.
Carlton, Dave P., and K. Hartley, Houston, Tex., assignors to Standard Oil Development Company. Bore-hole clinometer. 1,833,889; Dec. 1.
Carlton, Eric. (See Borden, G., 2d, and Carlton.)
Carlton, Jack C., Southgate, assignor to A. Lipton, doing business as Allied Metal Industries, Inglewood, Calif. Combination curtain pole and curtain suspending means. Des. 84,182; May 19.
Carlton, Ralph D., and H. F. Franklin, Hempstead, N. Y., assignors to Curtiss Aeroplane & Motor Company, Inc. Control surface operating mechanism for aircraft. 1,833,635; Nov. 24.
Carmack, Julia D., Washington, D. C. Garment hanger. 1,833,388; Nov. 24.
Carman, Charles W., Washington, Pa., assignor, by mesne assignments, to Stainless Steel Corporation, Youngstown, Ohio. Purifying metals. 1,809,436; June 9.

Carman, Charles W., Washington, Pa., assignor, by mesne assignments, to Stainless Steel Corporation, Youngstown, Ohio. Stainless chromium alloy and producing same. 1,809,437; June 9.
Carman, Edwin C., New Orleans, La. Safety razor. 1,795,248; Mar. 3.
Carman, George G., and C. D. Dykema, Grand Rapids, Mich. Metal window sash construction. 1,830,504; Nov. 3.
Carman, Glenn B. (See Westman, L. A., and Carman.)
Carman, Glenn B. (See Westman, Le Roy A., and Carman.)
Carman, Kenneth L., Bridgeport, Nebr. Weed exterminator. 1,832,182; Nov. 17.
Carman, William H., and V. K. Davison, Sacramento, Calif. Automobile license plate attaching device. 1,830,348; Nov. 3.
Carmen & Co. (See Sutton, Roy C., jr., assignor.)
Carmichael, Andrew J. (See Maashoff, H. A., Greist, and Carmichael.)
Carmichael, Mead S., Sparta, Wis. Elevator. 1,827,068; Oct. 13.
Carmichael, Mead S., Sparta, Wis. Elevating device. 1,828,488; Oct. 20.
Carmichael, Norman F., Los Angeles, Calif. Surfboard pontoon structure. 1,830,015; Nov. 3.
Carmichael, William A., Hamden, Conn., assignor to C. F. Church Mfg. Co., Chicopee, Mass. Concealed check toilet seat hinge. 1,833,890; Dec. 1.
Carmody, William S., Salem, N. J. Lifting and transferring device. 1,805,653: May 19.
Carnahan, Frank G., Akron, Ohio, assignor, by mesne assignments, to The A-R Products Corporation, Akron, Ohio. Puncture self-sealing inner tube. 1,836,902; Dec. 15.
Carnahan, George H., New York, N. Y., assignor, by mesne assignments, to Rubber Surfacers, Inc., Wilmington, Del. Grinding method and apparatus. 1,807,383; May 26.
Carnahan, George H., New York, N. Y., assignor to Rubber Surfacers, Inc., Wilmington, Del. Method and apparatus for refining pulp. 1,827,279; Oct. 13.
Carnahan, George H., New York, N. Y., assignor to Rubber Surfacers, Inc., Wilmington, Del. Method and apparatus for treating pulp. 1,827,280; Oct. 13.
Carnahan, Glen C., assignor to James B. Clow & Sons, Chicago, Ill. Radiator-fuel control. 1,788,048; Jan. 6.
Carnahan, Glen C., assignor to J. B. Clow & Sons, Chicago, Ill. Gas burning device. 1,814,076; July 14.
Carnahan, John W., Zanesville, Ohio, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Transfer device. 1,836,444; Dec. 15.
Carnation Company. (See Brooks, William H., assignor.)
Carnegie Institution of Washington. (See Gish, Oliver H., assignor.)
Carnelli, Francis J., New York, N. Y. Chain wrench. 1,824,944; Sept. 29.
Carnelli, Francis J., New York, N. Y. Chain pipe wrench. 1,828,173; Oct. 20.
Carnelli, Francis J., New York, N. Y. Wrench. 1,835,465; Dec. 8.
Carner, John. (See Brooks, M., and Carner.)
Carnes, James R., assignor of one-fourth to C. F. Spence and one-fourth to H. R. Burke, Knoxville, Tenn. Fire hydrant vent valve. 1,828,763; Oct. 27.
Carney, Charles A., assignor to G. H. Williams Company, Erie, Pa. Sheave mounting. 1,795,760; Mar. 10.
Carney, Charles A., assignor to G. H. Williams Company, Erie, Pa. Clam shell bucket. 1,833,389; Nov. 24.
Carney, James J., Bethel, Vt. Chimney cleaner. 1,806,387; May 19.
Carney, Samuel C., Tulsa, Okla., assignor to Shell Petroleum Corporation. Refrigerating apparatus. 1,823,725; Sept. 15.
Carney, Samuel C., Tulsa, R. E. Baker, Drumright, and F. C. Cutting, Tulsa, Okla., assignors to Shell Petroleum Corporation. Refrigerating process. 1,808,494; June 2.
Carney, Samuel E., Wick, assignor to Carney Splice Protector Company, Charlestown, W. Va. Wire-line protector. 1,794.278; Feb. 24.
Carney Splice Protector Company. (See Carney, Samuel E., assignor.)
Carniglia, Eugene S., et al. (See Zimdars, J. B., Carniglia, and Smith.)
Carnitt-Rostschutz & Farbstoff G. m. b. H. (See Nittinger, Carl, assignor.)
Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Airplane. 1,792,890; Feb. 17.
Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Molding sheet metal. 1,793,054; Feb. 17.
Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Landing gear. 1,793,055; Feb. 17.
Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Method and apparatus for shaping curved sheets. 1,820,936; Sept. 1.
Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Boat hull. 1,822,199; Sept. 8.
Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Wing or plane for aircraft. 1,827,281; Oct. 13.
Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Method and machine for forming sheets. 1,828,489; Oct. 20.
Carns, Edmund B., New York, N. Y., assignor to Cairns Development Company, Wilmington, Del. Wing for aircraft. 1,829,922; Nov. 3.
Carns, Edmund B., Naugatuck, Conn., assignor to Cairns Development Company, Wilmington, Del. Folding wing. 1,793,056; Feb. 17.
Carnwath, Robert, assignor to Pennsylvania Box & Lumber Co., Inc., Philadelphia, Pa. Milk-bottle crate. 1,799,953; Apr. 7.
Caro, Abraham, Dorchester, assignor to The Horton & Hubbard Mfg. Co., East Somerville, Mass. Pocket rest. 1,795,997; Mar. 10.
Carol, James E., assignor of one-third to B. D. Hammons and one-third to W. W. Jones, Los Angeles, Calif. Automatic propeller control. 1,810,159; June 16.
Carolin, Frank J., assignor to Kohn & Company, Newark, N. J. Fastener. 1,814,077; July 14.
Carolina Awning and Tent Manufacturing Company. (See Yeates, Derris B.)
Caroline Rubber Company. (See Smith, M. J., and Chilson, assignors.)
Carolius, Fred J., and R. W. Stuler, Pittsburgh, Pa., assignors to Stainless Steel Corporation. Treatment of metal. 1,813,840; July 7.
Carolyn Laundry. (See Lane, Edwin, assignor.)
Caron, Ferdinand J., Calgary, Alberta, Canada. Dispensing device. 1,791,350; Feb. 3.
Caron, Fred M., assignor to Richmond Lewis, Springfield, Mass. Boiler. 1,813,906; July 14.
Carothers, John N., Anniston, Ala., and P. Logue, St. Louis, Mo., assignors, by mesne assignments, to Swann Research Inc., Birmingham, Ala. Production of dried acid calcium phosphate. 1,818,114; Aug. 11.
Carow, Thomas H., assignor of one-half to R. J. Kieffer, San Antonio, Tex. Eyeglass frame. 1,825,503; Sept. 29.
Carozzi, Augusto, Rome, Italy. Coffee machine. 1,803,232; Apr. 28.
Carpe, Allen. (See Affel, H. A., and Carpe.)
Carpe, Allen, New York, N. Y., assignor to American Telephone and Telegraph Company. Control cross talk. 1,811,915; June 30.
Carpe, Allen., New York, N. Y., assignor to American Telephone and Telegraph Company. Compression of frequency range. 1,821,004; Sept. 1.
Carpenter, Arthur W., New York, assignor, by mesne assignments, to Audio-Cinema, Incorporated, Long Island City, N. Y. Apparatus for making animated pictures. 1,805,511; May 19.
Carpenter, Carl W., Santa Barbara, Calif. Valve. 1,817,917; Aug. 11.
Carpenter, Chalmer, Pittsburgh, Pa. Toy pistol. 1,826,053; Oct. 6.
Carpenter, Charles E., Chicago, Ill. Eradication of quack grass and the like. 1,803,838; May 5.
Carpenter, Charles E., Chicago, Ill. Draft appliance and the like. 1,826,989; Oct. 13.
Carpenter, Charles E., Chicago, Ill. Doughnut machine and the like. 1,833,933; Dec. 1.
Carpenter, Charles E., Hopewell Junction, N. Y. Electric motor speed controller. 1,807,280; May 26.
Carpenter, Charles E., assignor to E. F. Houghton & Company, Philadelphia, Pa. Porosity tester. 1,827,562; Oct. 13.
Carpenter, Charles F., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,814,826; July 14.
Carpenter, Charles W., Rockville Center, assignor to Collins Development Corporation, New York, N. Y. Electrotherapeutical device. 1,805,904; May 19.
Carpenter, David E., Springfield, Mass. Internal combustion motor. 1,835,692; Dec. 8.
Carpenter, Glenn W., Schenectady, N. Y., assignor to General Electric Company. Circuits for electron-discharge devices. 1,792,275; Feb. 10.
Carpenter, Glenn W., Haddonfield, N. J., assignor to General Electric Company. Geographic station indicator. 1,837,948; Dec. 22.
Carpenter-Hiatt Sales Company, The. (See Hiatt, Enos B., assignor.)
Carpenter, Irving C. (See Moorman, A. R., and Carpenter.)
Carpenter, Irving C., New York, N. Y., and A. R. Moorman, Tulsa, Okla., assignors, by mesne assignments, to Contact Filtration Company, San Francisco, Calif. Distillation of hydrocarbons. 1,797,715; Mar. 24.
Carpenter, Ivan S., Denver, Colo., assignor to Gardner-Denver Company, Denver, Colo. Lubricating apparatus. 1,821,828; Sept. 1.
Carpenter, Ose F., Brightwood, Va. Feeding and drinking attachment for brooders. 1,812,684; June 30.
Carpenter, Ose F., Brightwood, Va. Door for poultry coops and crates. 1,833,559; Nov. 24.
Carpenter, Ose F., Brightwood, Va. Attachment for nailing machines. 1,834,827; Dec. 1.
Carpenter, Ose F., Brightwood, Va. Coop. 1,838,526; Dec. 29.
Carpenter, Paul H., Kent, Ohio. Making nursing nipples. 1,788,981; Jan. 13.
Carpenter, Purdom, Barrington, R. I. Saw setting machine. 1,828,392; Oct. 20.

Carpenter, Robert F., assignor to The Sanymetal Products Company, Cleveland, Ohio. Boiler cover. 1,807,058; May 26.
Carpenter, Robert F., and T. F. Anderson, assignors to The Sanymetal Products Company, Cleveland, Ohio. Sheet-metal construction. 1,791,522; Feb. 10.
Carpenter, Robert F., and T. F. Anderson, assignors to The Sanymetal Products Company, Cleveland, Ohio. Sheet metal locking means. 1,826,452; Oct. 6.
Carpenter, Rupert E. H., Purley, England. Electromagnetic device. 1.826,990; Oct. 13.
Carpenter, Samuel R., Sweetwater, Tex. Cake knocker for oil presses. 1,803,745; May 5.
Carpenter Steel Company, The. (See Palmer, Frank R., assignor.)
Carpenter, Warren W., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic telephone exchange system. 1,808,527; June 2.
Carpenter, Warren W., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,832,447; Nov. 17.
Carpenter, Warren W., Queens Village, N. Y., J. F. Dahl, Newark, N. J., R. C. Davis, New York, and L. E. Kittredge, Brooklyn, N. Y.; said Carpenter, Dahl, and Davis assignors to Bell Telephone Laboratories, Incorporated, and said Kittredge assignor to American Telephone and Telegraph Company. Telephone exchange system. 1,816,634; July 28.
Carpenter, Willard C., Henniker, N. H. Cutter. 1,799,087; Mar. 31.
Carpenter, William C., San Francisco, Calif. Briquette forming and baking machine. 1,819,277; Aug. 18.
Carpenter, William C., San Francisco, Calif. Drier. 1,823,189; Sept. 15.
Carpenter, William W. S., Chicago, Ill. Mucilage spreader. 1,811,612; June 23.
Carpenter, Youel V., Essington, assignor to Ideal Lubricator Company, Philadelphia, Pa. Lubricating system. 1,807,059; May 26.
Carpentier, Ateliers J., et al. (See Lery, André, assignor.)
Carr, Arthur F., Los Angeles, Calif. Incinerator. Des. 85,160; Sept. 22.
Carr, Bradley S., assignor to American Manganese Steel Company, Chicago, Ill. Support. 1,822,009; Sept. 8.
Carr, Charles B., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Drying material. 1,793,275; Feb. 17.
Carr, Ernest R., assignor to The Collis Company, Clinton, Iowa. Poultry coop gate. 1,804,671; May 12.
Carr, Ernest R., assignor to The Collis Company, Clinton, Iowa. Poultry coop gate latch. 1,825,504; Sept. 29.
Carr, Fred S., Newton, Mass., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Fastener. 1,792,472; Feb. 17.
Carr, Fred S., Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Nut and screw fastening. 1,800,176; Apr. 7.
Carr. Fred S., Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Nut and screw fastening. 1,805,460; May 12.
Carr, Fred S., Newton, Mass., deceased; M. F. Carr, executor, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,822,565; Sept. 8.
Carr, George R. (See Everett, Claud H., assignor.)
Carr, Hugh R., Chicago, Ill. Pulverizer mill. 1,833,560; Nov. 24.
Carr, John T., Trenton, N. J. Sign. 1,805,327; May 12.
Carr, Kenneth W., assignor to Ditto, Incorporated, Chicago, Ill. Stencil sheet. 1,830,980; Nov. 10.
Carr, Leland E., Lopez, Wash. Artificial bait. 1.812,235: June 30.
Carr-Lowrey Glass Company. (See Lloyd, Philip C., assignor.)
Carr-Lowrey Glass Co. (See Patterson, Robert, assignor.)
Carr, Moses F., executor. (See Carr, Fred S.)
Carr, Moses F., Lexington, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable-snap-fastener element. 1,787,776; Jan. 6.
Carr, Moses F., Lexington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Separable snap fastener. 1,801,221; Apr. 14.
Carr, Moses F., Lexington, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Safety pin. 1,811,780; June 23.
Carr, Moses F., Lexington, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Fastener forming and assembling machine. 1,817,886; Aug. 4.
Carr, Moses F., Lexington, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Rivet. 1,826,705; Oct. 13.
Carr, Raymond L., Boston, Mass. Convertible body. 1,826,865; Oct. 13.
Carr, Raymond L., Boston, Mass. Vehicle body. 1,826,922; Oct. 13.
Carr, Richard H., and C. B. Watson, assignors to The Pure Oil Company, Chicago, Ill. Utilizing bituminous fuels. 1,793,838; Feb. 24.
Carr, U. U. et al. (See Jones, William R., assignor.)
Carr, Walter J., assignor, by mesne assignments, of one-half to Paramount Aircraft Corporation and one-half to G. C. Willcox, Saginaw, Mich. Brake control for aircraft landing wheels. 1,825,577; Sept. 29.
Carraine, Eugene, Philadelphia, Pa. Display and decorating device. 1,825,505; Sept. 29.
Carrel, Frank G., Western Springs, Ill., assignor to Calumet Steel Company, Chicago, Ill. Fence post anchor plate. Des. 84,396; June 16.
Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Centrifugal clutch mechanism for sectional flywheels. 1,796,439; Mar. 17.
Carrey, John O., assignor to C & C Engineering Co., Inc., St. Louis, Mo. Lapping valve. 1,839,085; Dec. 29.
Carrey-Morse Engineering Company. (See Carrey, John O., assignor.)
Carrick, Martin W. (See Wiederseim, T. E., and Carrick.)
Carrie, James, and G. E. Howard, Butler, Pa. Transmission mechanism. 1,817,063; Aug. 4.
Carrier Construction Company. (See Smith, Milton S., assignor.)
Carrier Construction Company. (See Soule, Lawrence C., assignor.)
Carrier Engineering Corporation. (See Le Grand, Joseph M., assignor.)
Carrier Engineering Corporation. (See Stacey, Alfred E., jr., assignor.)
Carrier Engineering Company. (See Yarrow, William S., assignor.)
Carrier, Robert M., jr., and M. G. Whitley, Louisville, Ky. Apparatus for the guiding of tools in three dimensions. 1,826,164; Oct. 6.
Carrier Corporation. (See Holton, John H., assignor.)
Carrier Engineering Corporation. (See Wolf, Ernst, assignor.)
Carrillo, Alexander S. (See Doolittle, E. C., and Carrillo.)
Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Apparatus for pouring metal in molds. 1,792,069; Feb. 10.
Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Rotary casting. 1,795,637; Mar. 10.
Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Method of and apparatus for regulating cooling of troughs. 1,796.644: Mar. 17.
Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Apparatus for centrifugal casting. 1,796,645; Mar. 17.
Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Pipe puller. 1,796,703; Mar. 17.
Carrington, Frank G., assignor to Ferris Engineering Company, Anniston, Ala. Annealing. 1,812,320; June 30.
Carrington, Frank G., assignor to Ferric Engineering Company, Anniston, Ala. Casting ladle. 1,813,381; July 7.
Carrington, Reginald G. (See Brainard, C. H., Carrington, and Cooke.)
Carr-Lowrey Glass Co. (See Garwood, Charles B., assignor.)
Carrm, Bazel E., Chicago, Ill. Lamp. Des. 85,281; Oct. 6.
Carroll, Andrew L., assignor of one-third to C. L. Palmer, St. Louis, Mo. Car wheel. 1,833,407; Nov. 24.
Carroll, Charles E., Newport, Ark. Arrangement of windmills. 1,812,137; June 30.
Carroll, Emil J., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Distributing and feeding means for laundries. 1,791,488; Feb. 10.
Carroll, Emil J., and E. I. Cutter, assignors to The American Laundry Machinery Company, Norwood, Ohio. Unloading or discharging means. 1,803,662; May 5.
Carroll, Frank J., and O. E. Reid, San Francisco, Calif. Banjo rest. 1,802,236; Apr. 21.
Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. Printing mechanism for accounting machines. 1,787,721; Jan. 6.
Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. Tabulating machine. 1,791.883; Feb. 10.
Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. Tabulating-card and sales-slip holder. 1,800,374; Apr. 14.
Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. Cash-register punch. 1,800,375; Apr. 14.
Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. Tabulating machine. 1,803,959; May 5.
Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. Group indicating flash mechanism. 1,821,088; Sept. 1.
Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. Selective column tabulating machine. 1,821,089; Sept. 1.
Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. Card handling device for tabulating machines. 1,826,992; Oct. 13.
Carroll, Fred M., Yonkers, N. Y., assignor to Dayton, Scale Company, Dayton, Ohio. Computing scale. 1,830,050; Nov. 3.
Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. Printing mechanism for card controlled accounting machines. 1.835.466; Dec. 8.

Carroll, Fred M., Yonkers, N. Y., and J. S. Eaton, Ridgefield, N. J., assignors to The Tabulating Machine Company, Endicott, N. Y. Record card container. 1,826,991; Oct. 13.
Carroll, Hezekiah W., jr., assignor to Autographic Register Company, Hoboken, N. J. Manifolding machine. 1,806,041; May 19.
Carroll, John. assignor to The Reeves Manufacturing Company, Dover, Ohio. Frame for coating pails and the like. 1,808,157; June 2.
Carroll, John B., Oak Park, Ill. Writing pad or recording device. 1,822,200; Sept. 8.
Carroll, John T., assignor of forty-nine one-hundredths to S. B. Hunter, Tacoma, Wash. Fire extinguisher. 1,821,140; Sept. 1.
Carroll, John T., Baltimore, Md., assignor to Franklin Railway Supply Company, New York, N. Y. Reverse gear. 1,833,483; Nov. 24.
Carroll, Louis W., Riverside, assignor of one-half to G. Muffly, Chicago, Ill. Steam heating system. 1,830,051; Nov. 3.
Carroll, Martin, Kansas City, Mo. Concrete insert. 1,826,201; Oct. 6.
Carroll, Raleigh S. (See Doty, L., and Carroll.)
Carroll, Robert A. (See Livingood, Jesse F., assignor.)
Carroll, Samuel P., Hammond, Ind., assignor, by mesne assignments, of one-half to P. Frantz and one-half to S. P. Carroll. Hoisting apparatus. 1,798,456; Mar. 31.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing acetoxime. 1,813,660; July 7.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. J. Cellulosic composition of matter containing iso-propyl-bromide. 1,813,661; July 7.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing iodo-benzene. 1,813,662; July 7.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing acetyl phenyl glycine. 1,826,687; Oct. 6.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing a bromo compound. 1,826,688; Oct. 6.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing chloro-cyclohexane. 1,826,689; Oct. 6.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing ethyl chloro-carbonate. 1,826,690; Oct. 6.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing ethyl-A-bromo-propionate. 1,826,691; Oct. 6.
Carroll, Stewart J., assignor to Eastman Kodak Company Rochester, N. Y. Cellulosic composition of matter containing methyl anisate. 1,826,692; Oct. 6.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing tripropionin. 1,826,693; Oct. 6.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing trimethylene glycol dibutyrate. 1,836,701; Dec. 15.
Carroll, Thomas J., New York, N. Y. Movable sign. 1,822,798; Sept. 8.
Carroll, Thomas P. (See Augustin, C., and Carroll.)
Carroll, William E., assignor to Morgan Construction Company, Worcester, Mass. Wire drawing capstan. 1,828,922; Oct. 27.
Carry, Champ, W. H. Mussey, and M. P. Blomberg, assignors to Pullman Car & Manufacturing Corporation, Chicago, Ill. Railway car. 1,810,876; June 16.
Carry, William J. (See Hurley, R. T., and Carry.)
Carscallen, Ernest J., Mohall, N. Dak. Well fishing tool. 1,826,650; Oct. 6.
Carseth, Rolf J., Chicago, Ill. Electric heating appliance. 1,792,360; Feb. 10.
Carsley, David R. (See Ramakers, C., and Carsley.)
Carson, Andrew C., Shreveport, La. Well pump lubricator. 1,801,304; Apr. 21.
Carson, Arthur, Surrey Hills, Victoria, Australia. Machine for cutting border slugs. 1,814,366; July 14.
Carson, Clifford C., Chicago, Ill. Unit heater. 1,820,779; Aug. 25.
Carson, Clifford C., Chicago, Ill. Down draft unit heater. 1,820,780; Aug. 25.
Carson, Clifford C., Cleveland, Ohio. Method of heating. 1,820,893; Aug. 25.
Carson, Curtis, assignor of one-half to G. E. Guilford, Walterboro, S. C. Toy. 1,800,778; Apr. 14.
Carson, Gates R. (See Sheckels, R. C., and Carson.)
Carson, George C., San Francisco, Calif., assignor to Carson Investment Company. Producing blister copper from copper bearing materials. 1,803,663; May 5.
Carson, Hiram J., Cedar Rapids, Iowa. Gas fired water heater. 1,816,419; July 28.
Carson Investment Company. (See Carson, George C. assignor.)
Carson, James A., assignor to Utah Metals Flux Company, Salt Lake City, Utah. Making iron and steel and product. 1,813,437; July 7.
Carson, Jesse F., assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Bag support for vacuum cleaners. 1,823,726; Sept. 15.
Carson, Jesse F., assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Vacuum cleaner. 1,829,582; Oct. 27.
Carson, John A., Huntington, N. Y. Electric switch. 1,837,111; Dec. 15.
Carson, John L., jr., Buffalo, N. Y. Liquid-dispensing device. Des. 83,428; Feb. 24.
Carson, John R., New Hope, Pa., and S. P. Mead, New York, N. Y., assignors to American Telephone and Telegraph Company. Concentric conductor transmission system. 1,817,964; Aug. 11.
Carson, Neva L. (See Askey, I., and Carson, assignors.)
Carson, Willard W. C., Chicago, Ill. Combined salt and pepper shaker. 1,835,375; Dec. 8.
Carson, William. (See McDowell, J. S., and Carson.)
Carson, William H., New Rockford, N. Dak. Road sign. Des. 84,566; July 7.
Carson, William H., New Rockford, N. Dak. Road sign. 1,817,064; Aug. 4.
Carson, William H., Norman, Okla. Forming machine for popcorn and the like. 1,796,321; Mar. 17.
Carson, William H., Norman, Okla. Machine for forming hemispherical caps with sealing lips. 1,814,546; July 14.
Carson, William L. (See Askey, I., and Carson.)
Carson, William O. C., Freeman, W. Va. Miner's combination tamp and needle. 1,789,214; Jan. 13.
Carson, William W., jr. (See Giesler, J. V., and Carson.)
Carson, William W., jr., assignor, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Steam valve. 1,806,447; May 19.
Carson, William W., jr., assignor, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Pilot controlled piston operated valve. 1,826,343; Oct. 6.
Carstein, Lorenz W. F., Forest Hills, N. Y. Material for and method of making ornamental devices. 1,826,923; Oct. 13.
Carswell, Thomas S., assignor to Monsanto Chemical Works, St. Louis, Mo. Obtaining isoeugenol. 1,789,352; Jan. 20.
Cartasso, Giacomo, Oakland, Calif. Aircraft. 1,824,010; Sept. 22.
Carter, Ainslie T., Coldwater, assignor to General Railway Signal Company, Rochester, N. Y. Focusing device for light signals. 1,794,586; Mar. 3.
Carter, Ainslie T., Coldwater, assignor to General Railway Signal Company, Rochester, N. Y. Electropneumatic valve. 1,794,587; Mar. 3.
Carter, Ainslie T., Coldwater, assignor to General Railway Signal Company, Rochester, N. Y. Railway track circuit. 1,824,119; Sept. 22.
Carter, Ainslie T., Coldwater, assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 1,824,120; Sept. 22.
Carter, Alfred N. (See Carter, Theodore, O. and A. N.)
Carter, Alva B., Lincoln, Nebr. Decorating glass. 1,810,127; June 16.
Carter, Alva J. (See Schmidling, Gilbert T., assignor.)
Carter, Andrew G., Grand Rapids, assignor, to Carter Products Company, Inc., Grand Rapids, Mich. Band saw wheel. 1,811,916; June 30.
Carter, Arthur E., and C. A. Johnson, San Bernardino, Calif. Perforating machine for well casing. 1,813,144; July 7.
Carter, Arthur L., Kansas City, Mo. Key die. 1,792,481; Feb. 17.
Carter Brothers, Incorporated. (See Gladish, John M., assignor.)
Carter Carburetor Corporation. (See Bicknell, George M., assignor.)
Carter Carburetor Corporation. (See Bicknell, G. M., and Hayden, assignors.)
Carter, Carroll C., Cairo, Ill. Adjustable hound. 1,798,063; Mar. 24.
Carter, Clarence W., Minneapolis, Minn. Apparatus for broiling bacon and the like. 1,809,580; June 9.
Carter, Clarence W., Minneapolis, Minn. Device for preparing beverages such as coffee and the like. 1,837,252; Dec. 22.
Carter, Dick, Colorado, Tex. Radiator-draining device for motor vehicles. 1,793,358; Feb. 17.
Carter, Donald W., Cleveland Heights, Ohio. Lubricating film forming composition. 1,810,905; June 23.
Carter, Edward F., Vancouver, British Columbia, Canada. Dock spout. 1,814,618; July 14.
Carter, Edward F., Vancouver, British Columbia, Canada. Turnhead for dock spouts. 1,814,619; July 14.
Carter, Emmett F., Schenectady, N. Y., assignor to General Electric Company. Electro-responsive device. 1,819,868; Aug. 18.
Carter, Emmett F., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,819,869; Aug. 18.
Carter, Franklin C., Bell, Calif. Low-temperature burner. 1,798,785; Mar. 31.
Carter, Garnet, Lookout Mountain, Ga. Miniature-golf-course unit. Des. 83,497; Mar. 3.
Carter, Garnet, Lookout Mountain, Ga. Miniature-golf-course unit. Des. 83,498; Mar. 3.

Carter, Garnet, Lookout Mountain, Ga. Miniature-golf-course unit. Des. 83,499; Mar. 3.
Carter, Garnet, Lookout Mountain, Ga. Miniature-golf-course unit. Des. 83,500; Mar. 3.
Carter, Garnet, Lookout Mountain, Ga. Miniature-golf-course unit. Des. 83,501; Mar. 3.
Carter, Garnet, Lookout Mountain, Ga. Miniature-golf-course unit. Des. 83,502; Mar. 3.
Carter, Garnet, Lookout Mountain, Ga. Miniature-golf-course unit. Des. 83,503; Mar. 3.
Carter, Garnet, Lookout Mountain, Ga. Miniature-golf-course unit. Des. 83,504; Mar. 3.
Carter, Garnet, Lookout Mountain, Ga. Miniature-golf-course unit. Des. 83,505; Mar. 3.
Carter, Garnet, Lookout Mountain, Ga. Miniature-golf-course unit. Des. 83,506; Mar. 3.
Carter, Garnet, Lookout Mountain, Ga. Miniature-golf-course unit. Des. 83,507; Mar. 3.
Carter, Garnet, Lookout Mountain, Ga. Miniature-golf-course unit. Des. 83,508; Mar. 3.
Carter, Garnet, Lookout Mountain, Ga. Miniature-golf-course unit. Des. 83,509; Mar. 3.
Carter, Garnet, Lookout Mountain, Ga. Miniature-golf-course unit. Des. 83,510; Mar. 3.
Carter, George A., and M. G. Tillery, Enid, Okla. Wood-sawing machine. 1,795,709; Mar. 10.
Carter, Glenn O., New Rochelle, and R. B. Aitchison, Great Kills, N. Y., and M. J. Wall, Jersey City, N. J., assignors to The Linde Air Products Company. Building welded tanks and other multiplate structures. 1,798,190; Mar. 31.
Carter, Haskell C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Apparatus for removing incombustibles from stokers. 1,828,700; Oct. 20.
Carter, John R. (See Jackson, M. L., and Carter.)
Carter, Leslie F., Leonia, N. J., assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y. Recording stylus. 1,800,198; Apr. 14.
Carter, Leslie F., Leonia, N. J., assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y. Low rail joint recorder. 1,827,190; Oct. 13.
Carter, Leslie F., Leonia, N. J., assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y. Grade indicator. 1,837,609; Dec. 22.
Carter, Leslie F., Leonia, N. J., and P. R. Bassett, assignors, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscopic base line for ordnance. 1,799,212; Apr. 7.
Carter, Leslie F., Leonia, N. J., and M. F. Bates, Brooklyn, N. Y., assignors, by mesne assignments, to Sperry Gyroscope Company, Inc. Maintaining reference planes. 1,801,329; Apr. 21.
Carter, Lester L., assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Gas trap. 1,833,390; Nov. 24.
Carter, Lionel A., Webster Groves, Mo. Machine for filling molding flasks. 1,806,042; May 19.
Carter, Lionel A., Webster Groves, assignor to Koken Companies, St. Louis, Mo. Hair curling machine. 1,809,961; June 16.
Carter, Mark, Los Angeles, Calif. Door grill. Des. 83,894; Apr. 14.
Carter Products Company. (See Carter, Andrew C., assignor.)
Carter Products Corporation, The. (See Carter, William D., assignor.)
Carter Radio Company. (See Leffler, Ralph H., assignor.)
Carter, Ralph B., jr., Haworth, N. J. Pumping system. 1,824,465; Sept. 22.
Carter, Ray L., Phoenix, N. Y., assignor to The Stanley Works, New Brittain, Conn. Shaping machine. 1,801,035; Apr. 14.
Carter, Ray L., Phoenix, N. Y., assignor to The Stanley Works, New Britain, Conn. Template for tool designing. 1,803,004; Apr. 28.
Carter, Ray L., Phoenix, N. Y., assignor to The Stanley Works, New Britain, Conn. Shaft holder for applying chucks. 1,805,164; May 12.
Carter, Ray L., Phoenix, N. Y., assignor to The Stanley Works, New Britain, Conn. Combined router and shaper. 1,829,393; Oct. 27.
Carter, Robert A., Maywood, Ill. Wall-paper applicator. 1,797,854; Mar. 24.
Carter, Russell S., Hewlett, N. Y. Fountain pen. 1,799,213; Apr. 7.
Carter, Theodore O. and A. N., Austin, Tex. Traffic signal. 1,797,221; Mar. 24.
Carter, Vetabelle P., San Francisco, Calif. Railway signal. 1,809,374; June 9.
Carter, William, Islington, London, England. Sign. 1,810,756; June 16.
Carter, William C., Flint, Mich. Arm or lever connecting device for shafts. 1,792,729; Feb. 17.
Carter, William C., Flint, Mich. Carburetor. 1,802,135; Apr. 21.
Carter, William C., Flint, Mich. Diaphragm pump. 1,802,136; Apr. 21.
Carter, William C., Flint, Mich. Electrically-operated fuel pump. 1,819,591; Aug. 18.
Carter, William C., Flint, Mich. Carburetor. 1,809,507 June 9.
Carter, William C., Flint, Mich. Carburetor. 1,819,674; Aug. 18.
Carter, William C., Flint, Mich. Carburetor. 1,831,439; Nov. 10.
Carter, William D., Lakewood, assignor to The Carter Products Corporation, Cleveland, Ohio. Device for cleaning windows. 1,795,249; Mar. 3.
Carter, William E., Anderson, Ind. Golf tee and practice mat. 1,810,906; June 23.
Carter, William J. (See Mahoney, J. J., jr., and Carter.)
Carter, William J., jr., Akron, Ohio. Curtain-stretching device. 1,799,001; Mar. 31.
Carter, William J., jr., Akron, Ohio. Curtain stretcher. 1,832,765; Nov. 17.
Carter, William S., New York, N. Y. Folding tilt display container. 1,805,077; May 12.
Carteret, Paul A., Neuilly-sur-Seine, France. Spring. 1,818,040; Aug. 11.
Carthage Mills Incorporated. (See Campbell, John B., assignor.)
Cartia, Charles C., McKeesport, Pa. Lock. 1,822,611; Sept. 8.
Cartier, Charles W., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Repair vulcanizer. 1,837,356; Dec. 22.
Cartier, Inc. (See Cartier, Pierre C., assignor.)
Cartier, Louis J., Budapest, Hungary, assignor to Cartier, Société Anonyme, Paris, France. Brooch clasp. 1,814,290; July 14.
Cartier, Louis J., Budapest, Hungary, assignor to Cartier, Societe Anonyme, Paris, France. Malleable jewel mounted on a deformable basket-work. 1,821,791; Sept. 1.
Cartier, Louis J., Budapest, Hungary, and J. Toussaint, assignors to Cartier, Societe Anonyme, Paris, France. Jewelry. 1,821,792; Sept. 1.
Cartier, Pierre C., assignor to Cartier, Inc., New York, N. Y. Safety razor case. 1,815,459; July 21.
Cartier, Raymond, Lausanne, Switzerland. Advertising device. 1,818,380; Aug. 11.
Cartier, Société Anonyme. (See Cartier, Louis J., assignor.)
Cartier, Societe Anonyme. (See Cartier, L. J., and Toussaint, assignors.)
Cartin, James D. (See Campbell, C. A., and Cartin.)
Cartlidge, Frank. (See Stenger, E. P., and J. R. and F. Cartlidge.)
Cartlidge, Frank, Cincinnati, Ohio, assignor to Sullivan Machinery Company. Mining apparatus. 1,824,945; Sept. 29.
Cartlidge, Frank, Chicago, Ill., assignor to Sullivan Machinery Company. Mining machine. 1,824,946; Sept. 29.
Cartlidge, John R. (See Stenger, E. P., and J. R. and F. Cartlidge.)
Cartmell, John. (See Runyon, Roy K., assignor.)
Cartmill, Loyd E., San Francisco, Calif. Refrigerator car. 1,788,012; Jan. 6.
Carton, Aimé, Woodcliffe, N. J. Mud guard for automobiles. 1,811,112; June 23.
Cartoning Machinery Corporation. (See Evans, H. L., and Hohl, assignors.)
Cartwright, Arthur W. (See Benham, L. L., Chamberlin, and Cartwright.)
Cartwright, Raymond H., assignor to Holgate Brothers Company, Kane, Pa. Brush handle. 1,826,165; Oct. 6.
Cartwright, William R., East Norwalk, Conn. Loom attachment. 1,836,309; Dec. 15.
Carty, William M., assignor of one-third to E. J. Kerwin and two-thirds to Standard Brake Shoe & Foundry Co., Pine Bluff, Ark. Casting continuous polygonal bands. 1,819,942; Aug. 18.
Cartzdafner, Roy E., Passaic, N. J. Dump car. 1,798,304; Mar. 31.
Carughi, Achille, and C. Paoloni, Brescia, Italy. Manufacturing chloride of lime. 1,824,656; Sept. 22.
Caruso, Louis. (See Cowen, J. L., and Caruso.)
Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Multiple conductor strip and making the same. 1,794,831; Mar. 3.
Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy locomotive. 1,802,458; Apr. 28.
Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Combined rheostat and switch. 1,821,927; Sept. 8.
Caruso, Mario, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy-railroad-track construction. 1,792,141; Feb. 10.
Caruso, Mario, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Mechanical movement. 1,802,459; Apr. 28.
Caruso, Mario, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Removable roof for toy cars. 1,829,505; Oct. 27.
Caruth, William A., Los Angeles, Calif. Gun sight. 1,818,381; Aug. 11.
Caruthers, Eugene W., Secane, Pa. Frog tie plate. 1,799,353; Apr. 7.
Carvel, Richard, New York, N. Y. Building construction. 1,809,504; June 9.
Carver, C. R., Company. (See Fellows, Walter C., assignor.)
Carver, Claude D., Port Washington, N. Y. Window shade. 1,789,724; Jan. 20.
Carver Cotton Gin Company. (See McLean, Robert W., assignor.)

Carver, Donald C., Cambridge, Ohio. Launching apparatus for aeroplanes. 1,792,000; Feb. 10.
Carver, Edmund C., Burgess Hill, England. Ground anchor and like anchoring device. 1,808,633; June 2.
Carver, Fred S., East Orange, N. J. Press. 1,826,729; Oct. 13.
Carver, Leo A., assignor, by mesne assignments, to The Paramount Fire Alarm Engineering Company, Cleveland, Ohio. Electric motor control system. 1,821,205; Sept. 1.
Carver, Robert R., Cambridge, Mass., assignor to Union Special Machine Company, Chicago, Ill. Seam for sewed articles. 1,819,407; Aug. 18.
Carveth, Hector R., Niagara Falls, assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company, New York, N. Y. Producing sodium peroxide. 1,796,241; Mar. 10.
Cary, Claxton. (See Chester, A. T., and Cary.)
Cary, Spencer C., Brooklyn, N. Y., assignor, by mesne assignments, to The Gerard Company, Inc., San Francisco, Calif. Wire-tension mechanism. 1,794,512; Mar. 3.
Casale, Luigi, deceased, Rome, by M. Casale, née Sacchi, administratrix, Rapallo, Genoa, Italy. Apparatus for effecting reactions between gases at a raised temperature. 1,790,853; Feb. 3.
Casale, Luigi, deceased, Rome; M. Casale-Sacchi, administratrix, Rapallo, Genoa, Italy. Production of hydrogen. 1,793,677; Feb. 24.
Casale, Maria, née Sacchi, administratrix. (See Casale, Luigi.)
Casale-Sacchi, Maria, administratrix. (See Casale, Luigi.)
Casau, Francisco, Stamford, Conn. Vending machine. 1,795,998; Mar. 10.
Casciotta, Giuseppe, New York, N. Y. Plectrum piano action. 1,824,706; Sept. 22.
Case, Clifford. (See Burns, Sterl L. and W. F., assignors.)
Case, Egerton R., Toronto, Ontario, Canada. Electric liquid heater. 1,797,520; Mar. 24.
Case, Egerton R., Toronto, Ontario, Canada. Heating liquids. 1,802,967; Apr. 28.
Case, Francis M., assignor to S. Guggenheim, Cleveland Heights, Ohio. Ironing machine. 1,797,521; Mar. 24.
Case, Francis M., Cleveland Heights, Ohio, assignor of one-fourth to B. W. Brockett and three-fourths to B. W. Brockett and E. L. Hyde. Golf ball cleaning device. 1,823,347; Sept. 15.
Case, Francis M., Cleveland Heights, assignor to C. O. Harmon, Cleveland, Ohio. Sharpening attachment for disk harrows. 1,838,657; Dec. 29.
Case, Frank E., and E. L. Monnot, assignors to The Harvard Company, Canton, Ohio. Auxiliary foot rest. 1,787,510; Jan. 6.
Case, George C., assignor to E. K. Pond Company, Chicago, Ill. Canning tongues and canned product. 1,793,678; Feb. 24.
Case, J. I., Company. (See Boda, Joseph E., assignor.)
Case, J. I., Company. (See Brennan, Thomas, assignor.)
Case, J. I., Company. (See Davies, David P., assignor.)
Case, J. I., Company. (See Hendricks, Simeon B., assignor.)
Case, J. I., Company. (See Hendrickson, R. O., assignor.)
Case, J. I., Company. (See Hendrickson, Robert C., assignor.)
Case, J. I., Company. (See Hendrickson, Robert O., assignor.)
Case, J. I., Company. (See Hendrickson, R. O., and Nelson, assignors.)
Case, J. I., Company. (See Krause, Norman R., assignor.)
Case, J. I., Company. (See MacGregor, Wallace F., assignor.)
Case, J. I., Company. (See Paul, William L., assignor.)
Case, J. I., Company. (See Rutter, Alvah E., assignor.)
Case, J. I., Company. (See Traphagen, Harry R., assignor.)
Case, J. I., Company. (See Walsh, James A., assignor.)
Case, J. I. Plow Works, Inc. (See Moree, Kinsel E., assignor.)
Case, Lawrence W., Manchester, Conn. Process and apparatus for making paper. 1,815,237; July 21.
Case, Lynn B., Highland Park, assignor to John Waldron Corporation, New Brunswick, N. J. Knife-coating machine. 1,799,002; Mar. 31.
Case, Lynn B., assignor to John Waldron Corporation, New Brunswick, N. J. Coating table for coating machines. 1,827,640; Oct. 13.
Case, Lynn B., assignor to John Waldron Corporation, New Brunswick, N. J. Distributing brush for coating machines. 1,827,641; Oct. 13.
Case, Owen S., Hermosa Beach, Calif. Canopy frame. 1,835,277; Dec. 8.
Case, Philip S., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Spray gun. 1,828,732; Oct. 27.
Case Research Laboratory Incorporated. (See Case, Theodore W., assignor.)
Case, Rolland T., La Crosse, Wis. Cabinet for holding small articles. 1,833,205; Nov. 24.
Case, Rolland T., La Crosse, Wis. Container with adjustable package holder. 1,835,278; Dec. 8.
Case, Samuel L., Palo Alto, Calif., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,802,704; Apr. 24.
Case, Theodore J., Ann Arbor, Mich. Stethoscope. 1,793,057; Feb. 17.
Case, Theodore W., Auburn, N. Y. Method and apparatus for producing photographic records. 1,822,865; Sept. 8.
Case, Theodore W., Auburn, N. Y., assignor to Case Research Laboratory, Inc., Auburn, N. Y. Source of light. 1,788,355; Jan. 6.
Case, Theodore W., assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Method and apparatus for transmitting pictures. 1,790,898; Feb. 3.
Case, Theodore W., assignor to Case Research Laboratory, Incorporated, Auburn, N. Y. High frequency control of a Kerr cell. 1,803,278; Apr. 28.
Case, Theodore W., assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Aeo light. 1,816,825; Aug. 4.
Casein Manufacturing Company of America, Inc., The. (See Bradshaw, Lawrence, assignor.)
Casein Manufacturing Company of America, Inc., The. (See Bradshaw, L., and Dunham, assignors.)
Casein Manufacturing Company of America, Inc., The. (See Dunham, Henry V., assignor.)
Casella, Secondo L., assignor to Bernard Ulmann Co., Inc., New York, N. Y. Skein winding machine. 1,816,420; July 28.
Casement Hardward Co. (See Spencer, Robert C., assignor.)
Casey, D. J., et al. (See Gannaway, Charles L., assignor.)
Casey, Dennis A., New Orleans, La. Card index system. 1,821,459; Sept. 1.
Casey, Dennis A., and A. J. Liuzza, New Orleans, La. Wall structure. 1,802,874; Apr. 28.
Casey, Mary J., San Jose, Calif., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Apparatus for peeling fruit. 1,827,869; Oct. 20.
Casey, W. C., et al. (See Gannaway, Charles L., assignor.)
Cash, A. W., Company. (See Temple, Paul C., assignor.)
Cash, A. W., Company. (See Terry, Charles M., assignor.)
Cash, Gentry, assignor to Standard Oil Company, Whiting, Ind. Distilling hydrocarbon oils. 1,788,982; Jan. 13.
Cashwell, Lacy A. (See Hewitt, John C., assignor.)
Casler, Herman, Canastota, and C. P. Grimes, Syracuse, N. Y. Brake testing device. 1,803,169; Apr. 28.
Casler, Herman, Canastota, and C. P. Grimes, Syracuse, N. Y. Vehicle wheel gauge. 1,808,287; June 2.
Casler, Newell H., Monterey Park, assignor to A. K. Grafton, Los Angeles, Calif. Ventilated bamboo pole. 1,799,501; Apr. 7.
Casper, Anthony B., assignor to Houde Engineering Corporation, Buffalo, N. Y. Shock absorber. 1,811,492; June 23.
Casper, Anthony B., assignor to Houde Engineering Corporation, Buffalo, N. Y. Shock absorber. 1,815,184; July 21.
Casper, Edward J., New York, N. Y. Clip. 1,797,716; Mar. 24.
Casper, Frank L., Howes Cave, N. Y. Table leaf support. 1,803,545; May 5.
Casper, Frank T. (See Duffy, G. E., and Casper.)
Casper, William L. (See Biondi, Saverio, assignor.)
Casper, William L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Shielded inductance. 1,827,191; Oct. 13.
Cassan, Jean H. F., Paris, assignor to Compagnie Generale de Construction de Fours, Montriuge, Seine, France. Method and apparatus for treating gases. 1,823,784; Sept. 15.
Cassar, Harold A. (See Steik, K. T., and Cassar.)
Casse, Edward J., Detroit, Mich. Lawn edging tool. 1,823,254; Sept. 15.
Cassedy, William F., jr., Millburn, N. J., assignor to International Communications Laboratories, Incorporated, New York, N. Y. Gumming desk clip. 1,834,268; Dec. 1.
Cassel, Elmer F., Washington, D. C. Sound amplifying device. 1,814,022; July 14.
Casselman, James, Hartsmere, Ontario, Canada. Transmission mechanism. 1,825,852; Oct. 6.
Cassels, Arnold V., West End, near Brisbane, assignor to Day & Night Novelty Ads Limited, Brisbane, Australia. Electromechanically-operated apparatus for advertising purposes. 1,799,731; Apr. 7.
Cassetty, William M., jr., F. L. Ross, and W. C. Alford, assignors to Darklite Corporation, Nashville, Tenn. Light projector. 1,815,831; July 21.
Cassidy, George E., Alplaus, N. Y., assignor to General Electric Company. Control system. 1,803,170; Apr. 28.
Cassidy, George W., Flushing, N. Y. Reflector for portable lamps. 1,831,523; Nov. 10.
Cassidy, Marshall, San Diego, Calif. Partitioned starting gate. 1,822,080; Sept. 8.
Cassiere, Alphonse T., Long Beach, Calif. Marine cage. 1,807,962; June 2.
Casson, Wesley C., West Lynn, Mass., assignor to General Motors Corporation, Detroit, Mich. Folding trunk rack. 1,833,408; Nov. 24.
Castady, Harry, Chicago, Ill. Airship coach. 1,803,005; Apr. 28.
Castelli, Frank C. (See Blumensaadt, S. G., and Castelli.)
Castelli, John, Carnegie, Pa. Torchière. 1,819,733; Aug. 18.
Castellucci, Romeo, Philadelphia, Pa. Food-conditioning machine. 1,794,833; Mar. 3.

Castelyns, George, L. Stans, and A. Vinck, New York, N. Y. Building wall. 1,807,335; May 26.
Caster, Clarence O., and A. H. Spitzenberger, Omaha, Nebr., assignors to Swift & Company, Chicago, Ill. Electromagnetic branding machine. 1,788,983; Jan. 13.
Caster, John E., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,791,442; Feb. 3.
Caster, John E., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Long bar grinder. 1,814,367; July 14.
Caster, John E., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,814,431; July 14.
Caster, John E., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,822,337; Sept. 8.
Caster, John E., and L. F. Nenninger, assignors, by mesne assignments, to The Cincinnati Grinders Incorporated, Cincinnati, Ohio. Centerless grinder. 1,791,713; Feb. 10.
Castetter, Roy E., Wyoming, Ohio. Aquarium. Des. 85,413; Oct. 27.
Castho, Manuel, Canton, Ohio. Reel. 1,809,226; June 9.
Castner, Willis H., Cornwall, assignor to Bethlehem Steel Company, Bethlehem, Pa. Knock-out and kicker rigging on bolt-heading machines. 1,794,832; Mar. 3.
Casto, Lloyd V. (See Lang, G. E., and Casto.)
Casto, Lloyd V., and G. E. Lang, assignors to Oxford Varnish Corporation, Detroit, Mich. Surface decorating machine, apparatus, and method. 1,807,894; June 2.
Casto, Lloyd V., Detroit, Mich., and G. von Webern, Dayton, Ohio, assignors to Oxford Varnish Corporation, Detroit, Mich. Graining machine. 1,807,963; June 2.
Castorina, Vincenzo, West New York, N. J. Vehicle tire. 1,816,176; July 28.
Castricum, Martin, and P. L. Butterfield, Springfield, assignors to The Fisk Rubber Company, Chicopee Falls, Mass. Wind up mechanism. 1,824,593; Sept. 22.
Castro, Manuel, Canton, Ohio. Aircraft signaling apparatus. 1,814,786; July 14.
Castronovo, Francisco, Oakland, Calif. Fire alarm. 1,802,805; Apr. 28.
Caswell, Geo. W., Co. (See Quinn, Joseph F., assignor.)
Caswell, Myron J., Sandusky, Ohio. Adjustable variable flow liquid dispensing nozzle. 1,821,206; Sept. 1.
Catá, Ramon M., Barcelona, Spain. Pencil with sliding lead. 1,788,822; Jan. 13.
Cataldo, Carmine, Chelsea, Mass. Can opener. 1,801,848; Apr. 21.
Catalina Hats Ltd. (See Edwards, George H., assignor.)
Cataline, Benton, and E. C. Richard, Flint, assignors to General Motors Corporation, Detroit, Mich. Valve spring. 1,815,612; July 21.
Cater, William H., Chicago, Ill. Guide-bearing. 1,812,471; June 30.
Caterini, John. (See Cahill, R. E., and Caterini.)
Caterpillar Tractor Co. (See Braasch, A. D., McDow, and Twells, assignors.)
Caterpillar Tractor Co. (See Eberhard, Harmon S., assignor.)
Caterpillar Tractor Co. (See Grothe, Walter, assignor.)
Caterpillar Tractor Co. (See Gustafson, Carl A., assignor.)
Caterpillar Tractor Co. (See Radford, William H., assignor.)
Caterpillar Tractor Co. (See Rucker, George H., assignor.)
Caterpillar Tractor Co. (See Smith, Horatio W., assignor.)
Caterpillar Tractor Co. (See Thoen, Lowell H., assignor.)
Caterpillar Tractor Co. (See Turnbull, William, assignor.)
Caterpillar Tractor Co. (See Whitacre, William H., assignor.)
Caterpillar Tractor Co. (See Wickersham, Elmer E., assignor.)
Cather, Charles E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Two compartment envelope. 1,815,396; July 21.
Catherwood, Thomas E., Hagersville, Ontario, Canada. Welding shield. 1,790,226; Jan. 27.
Cathey, Frank H., Dallas, Tex., assignor to Rock Island Plow Company, Rock Island, Ill. Disk attachment for walking cultivators. 1,823,529; Sept. 15.
Catlin, Arthur W., Chicago, Ill., assignor to Bradley Pulverizer Company, Allentown, Pa. Tube mill. 1,825,333; Sept. 29.
Catlin, Thomas S., Waveland, Ind., assignor to Sterling Manufacturing Company, Fort Wayne, Ind. Drinking fountain. 1,788,449; Jan. 13.
Cato, Joseph L., assignor to G. Elias & Bro. Inc., Buffalo, N. Y. Aileron. 1,789,215; Jan. 13.
Cato, Joseph L., assignor to G. Elias & Bro., Inc., Buffalo, N. Y. Tail support for airplanes. 1,792,966; Feb. 17.
Catoldo, Giovanni R., Boston, Mass. Fruit press. 1,803,595; May 5.
Caton, Maurice L., Minneapolis, Minn., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Wooden building strip and making same. 1,814,291; July 14.
Catron, Millard. Cincinnati, Ohio. Window lock. 1,789,216; Jan. 13.
Cattaneo, Giustino, Milan, Italy. Lubricant purifier for connecting rod bearings. 1,807,830; June 2.
Cattell, Herman C., Alliance, Ohio. Adjustable joiner. 1,809,401; June 9.
Catterall, Nathaniel, Bromley Cross, near Bolton, England. Device for checking or arresting shuttles within the shuttle boxes of looms. 1,819,943; Aug. 18.
Catterlin, Francis J., Los Angeles, Calif. Toy bird. Des. 83,090; Jan. 20.
Catterlin, Francis J., Los Angeles, Calif. Walking toy. Des. 85,464; Nov. 3.
Caughey, Reed J., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine. 1,808,528; June 2.
Caughey, Reed J., Schenectady, N. Y., assignor to General Electric Company. Hydraulic control system. 1,814,827; July 14.
Caughey, Reed J., Schenectady, N. Y., assignor to General Electric Company. Turbine control mechanism. 1,836,789; Dec. 15.
Caunitz, Walter H., New York, N. Y. Two-in-one shirt. 1,830,639; Nov. 3.
Causan, Nemorin L., Suresnes, France. Chassis for motor vehicles. 1,803,055; Apr. 28.
Causan, Nemorin L., Suresnes, France. Rigid frame for motor cars. 1,826,730; Oct. 13.
Causey, Daniel W., Norfolk, Va. Cover and protector for shades. 1,825,334; Sept. 29.
Cautley, John R., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating mechanism. 1,791,612; Feb. 10.
Cautley, John R., South Bend, Ind., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Control mechanism for vehicle wheel brakes. 1,819,767; Aug. 18.
Cautley, John R., assignor to Bendix Brake Company, South Bend, Ind. Shoe for areoplane brakes. 1,825,653; Oct. 6.
Cautley, John R., assignor to Bendix Brake Company, South Bend, Ind. Wheel mounting. 1,835,467; Dec. 8.
Cavagnaro, John J., Ridgewood, N. J. Press. 1,820,437; Aug. 25.
Cavalieri, Serge. (See Mathieu, E., Perrin, Greffe, and Cavalieri.)
Cavalieri, Silvestro, Chicago, Ill. House drain fitting. 1,812,583; June 30.
Cavanagh, John, South Norwalk, Conn., assignor to The Crofut and Knapp Co., New York, N. Y. Attachment means for hatbands. 1,793,386; Feb. 17.
Cavanagh, John, assignor to The Crofut & Knapp Company, South Norwalk, Conn. Hat. 1,805,977; May 19.
Cavanagh, John, assignor to Hodshon-Berg, Inc., Norwalk, Conn. Straw hat. 1,811,001; June 23.
Cave, Henry. (See Renshaw, Alfred H., assignor.)
Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Dental plate brush. 1,806,519; May 19.
Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Brush. 1,806,520; May 19.
Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Brush strip forming machine. 1,834,911; Dec. 1.
Cave, Sydney R., New York, N. Y. Duplex indicating device. 1,806,785; May 26.
Cave, Victor M., and S. T. Matthews, Metz, Calif. Slideholder operator. 1,792,412; Feb. 10.
Caven, Trevor M., assignor to F. R. Hazard, New York, N. Y. Cement. 1,791,591; Feb. 10.
Cavert, Edward N., assignor of one-third to S. Petersen and one-third to G. B. Archer, Chicago, Ill. Speed-retarding apparatus for boats. 1,799,455; Apr. 7.
Cavert, Edward N., assignor of one-third to S. Petersen and one-third to G. B. Archer, Chicago, Ill. Combined docking stall and boat brake. 1,799,456; Apr. 7.
Cavert, Edward N., assignor of one-third to S. Petersen and one-third to G. B. Archer, Chicago, Ill. Braking appliance for airplanes. 1,831,160; Nov. 10.
Cavicchioli, Dante, New York, N. Y. Stringed musical instrument. 1,828,315; Oct. 20.
Cavicchioli, Gioacchino, and E. Ceschi, Turin, Italy. Vehicle door. 1,813,145; July 7.
Cavin, Gustave, Kingston, Ontario, Canada, assignor to American Throttle Company, Inc., New York, N. Y. Valve-operating mechanism. 1,794,834; Mar. 3.
Cavin, Wyatt M. (See Stewart, J. D., and Cavin.)
Cavins, Omar A., Glendale, Calif. Well casing and removing the same from a well. 1,803,839; May 5.
Cawley, Aloysius J., assignor to Radio Corporation of America, New York, N. Y. Electrical sound reproducing process. 1,816,360; July 28.
Cawley, Aloysius J., Pittston, Pa., assignor to Radio Corporation of America. Photo-electric sound recording or reproducing. 1,825,438; Sept. 29.
Cawley, Aloysius J., Pittston, Pa., assignor to Radio Corporation of America. Sound recording or reproducing apparatus. 1,825,439; Sept. 29.
Cawley, Aloysius J., Pittston, Pa., assignor to Radio Corporation of America. Sound recording or reproducing apparatus. 1,825,440; Sept. 29.
Cawley, Aloysius J., Pittston, Pa., assignor to Radio Corporation of America, New York, N. Y. Sound recording apparatus and process. 1,825,441; Sept. 29.
Cawley, Edward D., Augusta, Ga. Spring conditioning device. 1,817,877; Aug. 4.

Cawley, Michael J., assignor to M. M. Daniels, New York, N. Y. Burglar alarm switch device. 1,820,937; Sept. 1.
Cawthon, Bender A., and A. Altieri, assignors of one-third to J. L. Clark, Jacksonville, Fla. Film trapdoor. 1,795,999; Mar. 10.
Cayer, Theodore E., Taunton, Mass. Spoon or similar article. Des. 83,091; Jan. 20.
Cayo, Eugene F. (See Sadtler, S. S., and Cayo.)
Cayo, Julius N., Benton Harbor, Mich. Clamp. 1,801,222; Apr. 14.
Cazautet, Suzanne (widow, Vives), administratrix. (See Vives, Emile G. E.)
Ceader, Joseph D., and C. Severin, Cleveland Heights, Ohio, assignors to General Electric Company. Incandescent lamp and mounting therefor. 1,788,231; Jan. 6.
Ceccarini, Olindo O., Beverly Hills, assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Electromagnetic light-modulating device. 1,794,513; Mar. 3.
Ceccarini, Olindo O., Los Angeles, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Nonsinging amplifier. 1,795,474; Mar. 10.
Cecil, Charlie C., Salem, assignor to Rex Manufacturing Co., Roanoke, Va. Glove. 1,822,010; Sept. 8.
Cecil, Joseph O., West Louisville, assignor of one-half to T. G. Holman, Owensboro, Ky. Ridging attachment for fertilizer distributors. 1,833,409; Nov. 24.
Cecil-Reaney, Constance, Pasadena, Calif. Menstrual pad appliance. 1,837,483; Dec. 22.
Cecil, Warren W., Dixon, Calif. Egg packing mechanism. 1,813,527; July 7.
Cecio, Lorenzo, and S. Buonamano, Brooklyn, N. Y. Lamp. Des. 84,871; Aug. 18.
Cedar, Hyman, Superior, Wis. Ring. 1,814,467; July 14.
Cederholm, Carl, assignor of one-half to F. B. Wheat, Los Angeles, Calif. Rotary woodworking cutter. 1,797,463; Mar. 24.
Cederleaf, Clarence A. (See Van Valkenburgh, R. M., and Cederleaf.)
Cederlund, Alber, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 1,797,942; Mar. 24.
Cederquist, Nils H., Alhambra, Calif. Ceramic tile. 1,790,227; Jan. 27.
Cederstrand, Gunnar. (See Lysholm, A., and Cederstrand.)
Cedervall, Carl W., Gottenborg, Sweden. Stuffing box for ships' propeller shafts. 1,815,096; July 21.
Celanese Corporation of America. (See Ashby, T., and Boaler, assignors.)
Celanese Corporation of America. (See Bader, W., and Green, assignors.)
Celanese Corporation of America. (See Balthasar, Arthur, assignor.)
Celanese Corporation of America. (See Beardsley, Frederick W., assignor.)
Celanese Corporation of America. (See Billing, Joseph. assignor.)
Celanese Corporation of America. (See Briggs, J. F., Palmer, and Kidd, assignors.)
Celanese Corporation of America. (See Cope, Ernest C., assignor.)
Celanese Corporation of America. (See Crooks, W. E., and Walton, assignors.)
Celanese Corporation of America. (See Dickie, W. A., and Martin, assignors.)
Celanese Corporation of America. (See Dreyfus, C., and Blume, assignors.)
Celanese Corporation of America. (See Dreyfus, C., Dort, and Platt, assignors.)
Celanese Corporation of America. (See Dreyfus, C., and Miles, assignors.)
Celanese Corporation of America. (See Dreyfus, C., and Platt, assignors.)
Celanese Corporation of America. (See Dreyfus, C., and Schneider, assignors.)
Celanese Corporation of America. (See Dreyfus, C., and Whitehead, assignor.)
Celanese Corporation of America. (See Dreyfus, C., Whitehead, and Platt, assignors.)
Celanese Corporation of America. (See Dreyfus, H., Kinsella, Bower, and Taylor, assignors.)
Celanese Corporation of America. (See Eichengrün, Arthur, assignor.)
Celanese Corporation of America. (See Ellis, George H., assignor.)
Celanese Corporation of America. (See Ellis, G. H., and Goldthorpe, assignors.)
Celanese Corporation of America. (See Ellis, G. H., and Greenhalgh, assignors.)
Celanese Corporation of America. (See Martin, Robert, assignor.)
Celanese Corporation of America. (See Miles, G. W., and Dreyfus, assignors.)
Celanese Corporation of America. (See Moss, William H., assignor.)
Celanese Corporation of America. (See Palmer, C. W., and Fulton, assignors.)
Celanese Corporation of America. (See Platt, Herbert, assignor.)
Celanese Corporation of America. (See Platt, H., and Shane, jr., assignors.)
Celanese Corporation of America. (See Rivat, G., and Dreyfus, assignors.)
Celanese Corporation of America. (See Ryley, C. F., and Awcock, assignors.)
Celanese Corporation of America. (See Schneider, George, assignor.)
Celanese Corporation of America. (See Seymour, George W., assignor.)
Celanese Corporation of America. (See Whitehead, William, assignor.)
Celastic Corporation, The. (See Randolph, Alan F., assignor.)
Celestin, Wm. E. (See Lefranc, Jacques, assignor.)
Celite Corporation. (See Caldwell, Lyle, assignor.)
Celite Corporation. (See Cummins, Arthur B., assignor.)
Celite Corporation. (See Zoul, Charles V., assignor.)
Cellacote Company, The. (See Beadle, George W., assignor.)
Cellocilk Company. (See Furness, William H., assignor.)
Celluloid Corporation. (See Caprio, Amerigo F., assignor.)
Celluloid Corporation. (See Lindsay, William G., assignor.)
Celluloid Corporation. (See Smith, H. E., Bowker, and Conrow, assignors.)
Celluloid Corporation. (See Walsh, J. F., and Alcorn, assignors.)
Celluloid Corporation. (See Walsh, J. F., and Caprio, assignors.)
Celo Properties, Inc. (See Threadgill, Percy, assignor.)
Celotex Company, The. (See Munroe, Treadway B., assignor.)
Celotex Company, The. (See Munroe, T. B., and Lathrop, assignors.)
Celulosa Hemmer Valet, Sociedad Amonima. (See Valet, Earnest C. H., assignor.)
Cement-Gun Construction Company et al. (See Schaefer, John V., assignor.)
Cemroc, Inc. (See Byland, H. C., and Ormesher, assignors.)
Cemroc, Inc. (See Martin, E. R., Byland, Baldenhofer, and Ormesher, assignors.)
Cemroc, Inc. (See Ormesher, Frank L., assignor.)
Cemroc, Inc. (See Toulmin, Harry A., jr., assignor.)
Centanaro, Guglielmo. (See Verardo, G., and Centanaro.)
Centaur Tractor Corporation. (See Stedman, Charles C., assignor.)
Cen-Tennial Cotton Gin Co. (See Ott, Thomas O., assignor.)
Centeno, Melchor V., Boston, Mass. Television apparatus. 1,800,601; Apr. 14.
Center, Joseph P., Harlowton, Mont. Shock-absorbing device. 1,789,514; Jan. 20.
Centra Handels- & Industrie A.-G. (See Schaljohann, Paul S., assignor.)
Central Brass & Fixture Company, The. (See McCloud, Edward H., assignor.)
Central Commercial Company. (See Stephens, Elton S., assignor.)
Central Electric Tool Company. (See Weyandt, Carl S., assignor.)
Central Electric Tool Company. (See Weyandt, C. S., and Fox, assignors.)
Central Flatiron Manufacturing Company. (See Heckman, Harry G., assignor.)
Central Foundry Company, The. (See Addicks, J. C., and Burgess, assignors.)
Central Heating Equipment Corporation. (See Flaherty, Burt L., assignor.)
Central Metallic Casket Co. (See Ostwald, William, assignor.)
Central Mine Equipment Company. (See Ormsby, Erle, assignor.)
Central Radio Laboratories. (See Stoekle, Erwin R., assignor.)
Central Railway Signal Company. (See Wedger, W. L., and Edmands, assignors.)
Central Records, Inc. (See Rogal, E., and Woodruff, assignor.)
Central Republic Bank & Trust Co. et al, executors. (See Friendly, Herbert M.)
Central Scientific Company. (See Barton, Roger, assignor.)
Central Scientific Company. (See Klopsteg, Paul E., assignor.)
Central Scientific Company. (See Lunt, J. R., and Haley, assignors.)
Central Scientific Company. (See Stannard, Winfield H., assignor.)
Central Specialty Company. (See Lonskey, John H., assignor.)
Central Stamping Company, The. (See Lucius, Albin A., assignor.)
Central Trust Company of Illinois, et al., executors. (See Friendly, Herbert M.)
Central United National Bank, The. (See McKee, Willis, assignor.)
Central Valve Mfg. Co. (See Pope, Charles S., assignor.)
Centrifix Corporation. (See Hawley, Charles G., assignor.)
Centrifugal Pipe Corporation. (See Byers, J. A., and Smotzer, assignors.)
Centrifugal Separation Company. (See Mills, Harry L., assignor.)
Century Furniture Company. (See Brown, David H., assignor.)
Century Furniture Company. (See Tucker, William D., assignor.)

Century Lighting Equipment, Inc. (See Levy, Joseph, assignor.)
Century Zinc Company, The. (See Davis, S. H., Anderson, Stengl, Smith, and Hanley, assignors.)
Cépède, Casimir. (See D'Ayrenx, A., Cépède, and Ratore.)
Ceramic Machinery Company, The. (See Armstrong, William C., assignor.)
Ceramic Machinery Company, The. (See Yingling, Frank B., assignor.)
Cerini, Leonardo, Castellanza, Italy. Treatment of vegetable fibers of osmotic diaphragms. 1,815,761; July 21.
Cernuda, Antonio, Monroe, N. Y. Automobile bus. 1,798,011; Mar. 24.
Cernuda, Antonio, Habana, Cuba. Airplane. 1,825,578; Sept. 29.
Cerri, Vincenzo L. (See Silvano, E., and Cerri.)
Cerro de Pasco Copper Corporation. (See Smith, Walter C., assignor.)
Cerro De Pasco Copper Corporation, The, et al. (See Smith, W. C., and Mack, assignors.)
Certain, John D. (See Gray, Albert S., assignor.)
Certain-teed Products Corporation. (See Knowlton, Theodore E., assignor.)
Certain-teed Products Corporation. (See Low, Emile R., assignor.)
Certain-teed Products Corporation. (See Speer, Alexander S., assignor.)
Certain-teed Products Corporation. (See Van Hagan, Homer H., assignor.)
Cervi, Armando, assignor to The Radium Emanation Corporation, New York, N. Y. Emanation seed. 1,823,239; Sept. 15.
Cesareo, Orfeo, Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,788,704; Jan. 13.
Cesareo, Orfeo, Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing system. 1,795,834; Mar. 10.
Cesario, Aurelio, New York, N. Y. Radiator-heat-driven moving toy. 1,792,142; Feb. 10.
Ceschi, Eugenio. (See Cavicchioli, G., and Ceschi.)
Ceskomoravska-Kolben-Banek Company Limited. (See Kolář, Václav, assignor.)
Ceskoslovenska Zbrojovka Akciova Spolecnost v. Brne. (See Holek, Emanuel, assignor.)
Chab, Joseph, Dorchester, Nebr. Aeroplane parachute. 1,815,430; July 21.
Chabrol, Alphonse, Aixe-sur-Vienne, France. Dirigible headlight. 1,822,882; Sept. 15.
Chace, John E., Adamsdale, Mass. Braider carrier. 1,838,172; Dec. 29.
Chace, Norman B., Cincinnati, Ohio. Radial drill. 1,804,673; May 12.
Chackes, Woolf, and T. J. Bossert, assignors to Coopersmith Bed Company, St. Louis, Mo. Folding bed. 1,814,828; July 14.
Chadborn, Frederic C., Newburgh, N. Y. Automatic controlling apparatus. 1,835,012; Dec. 8.
Chadbourne, Glenn A., Chadbourn, Mont. Sweep hay rake. 1,839,141; Dec. 29.
Chadbourne, Joseph H., assignor to E. H. Jacobs Mfg. Co., Danielson, Conn. Lug strap. 1,795,272; Mar. 3.
Chadbourne, Joseph H., assignor to E. H. Jacobs Mfg. Co., Danielson, Conn. Plug for lug straps and making same. 1,824,707; Sept. 22.
Chadbourne, William C., et al. (See Birkmeyer, P. J., Creedon, and Chadbourne.)
Chadbourne, Zebulon L., Los Angeles, Calif. Weaving hammocks. 1,832,095; Nov. 17.
Chadburn, Thomas W., Toronto, Ontario, Canada. Domestic laundry equipment. 1,812,430; June 30.
Chadderton, Sydney S., assignor to Standard Oil Company of California, San Francisco, Calif. Airplane. Des. 83,310; Feb. 17.
Chadderton, Sydney S., assignor to Standard Oil Company of California, San Francisco, Calif. Sign. Des. 85,086; Sept. 15.
Chadeloid Chemical Company. (See Ellis, Carleton, assignor.)
Chadeloid Chemical Company. (See Root, Frank B., assignor.)
Chadister, Frederick, Alicia, Ark. Planter attachment for cultivators. 1,798,369; Mar. 31.
Chadwick & Carr Company. (See Cross, Edmund R., assignor.)
Chadwick, George B., Portsmouth, N. H. Bushing. 1,806,891; May 26.
Chadwick, Lee S., Shaker Heights, Ohio. Vibrating apparatus. 1,805,758; May 19.
Chadwick, Lee S., Shaker Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Air pump for pressure fuel tanks. 1,805,757; May 19.
Chadwick, Lee S., Shaker Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Condenser. 1,816,956; Aug. 4.
Chadwick, Lee S., Shaker Heights, and C. J. Kessler, Cleveland Heights, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio. Heater. Des. 85,860; Dec. 29.
Chadwick, Lee S., Shaker Heights Village, and M. Resek, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Refrigerator construction. 1,816,955; Aug. 4.
Chadwick, Lee S., Shaker Heights Village, M. Resek, Cleveland Heights, and J. A. Dahlstrom, East Cleveland, assignors to Perfection Stove Company, Cleveland, Ohio. Fuel-oil burner. 1,788,148; Jan. 6.
Chadwick, Lee S., Shaker Heights Village, M. Resek, and C. J. Kessler, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Stove. Des. 83,092; Jan. 20.
Chadwick, Lee S., Shaker Heights Village, M. Resek, Cleveland Heights, and W. G. Midnight, Cleveland, assignors to Perfection Stove Company, Cleveland, Ohio. Refrigeration apparatus. 1,789,067; Jan. 13.
Chadwick, Lee S., Shaker Heights, and C. T. Sorensen, Lakewood, assignors to Perfection Stove Company, Cleveland, Ohio. Refrigerator. 1,789,066; Jan. 13.
Chaffee, Edward F. (See Cronmiller, H. A., and Chaffee.)
Chaffee, Edward F. (See Edwards, O. M., and Chaffee.)
Chaffee, Emory L., Cambridge, and R. O. Chaffee, Belmont, Mass. Electrical system. 1,832,096; Nov. 17.
Chaffee, Raymond O. (See Chaffee, Emory L., and R. O.)
Chaffin, Encel A., Gainesboro, Tenn. Windshield wiper. 1,797,073; Mar. 17.
Chafkin, George C., Brooklyn, N. Y. Safety gas tank cap. 1,818,608; Aug. 11.
Chagnaud, André, Paris, France, assignor to les Etablissements Poulenc Freres. Automatic temperature regulator. 1,795,008; Mar. 3.
Chagniard, Edmond. (See Kartvelichvili, A., and Chagniard.)
Chagnkart International Aviation Corporation. (See Kartvelichvili, A., and Chagniard, assignors.)
Chain Belt Company. (See Bleyer, Lloyd G., assignor.)
Chain Belt Company. (See Draeger, Lloyd H., assignor.)
Chain Belt Company. (See Kunz, George H., assignor.)
Chain Belt Company. (See Roddy, Gustav R., assignor.)
Chain Belt Company. (See Schade, Frank S., assignor.)
Chain Belt Company. (See Shafer, Samuel, jr., assignor.)
Chain Belt Company. (See Shafer, S., jr., and Ball, assignors.)
Chain Belt Company. (See Welser, Brinton, assignor.)
Chain Belt Company. (See Welser, George B., jr., assignor.)
Chain Products Company, The. (See Hodell, Frederick G., assignor.)
Chain Products Company, The. (See Olmstead, Fredrick A., assignor.)
Chain Products Company, The. (See Wilcox, Howard, assignor.)
Chain Saw Corporation. (See Bens, Samuel J., assignor.)
Chain Store Products Corporation. (See Goldberg, Solomon H., assignor.)
Chain Store Products Corporation. (See Goldberg, S. H., and Hermsdorf, assignors.)
Chain Store Products Corporation. (See Rabbes, Henry, assignor.)
Chalek, Joseph W., Chicago, Ill. Radio log. 1,801,139; Apr. 14.
Chalfant, Frank, Fort Wayne, Ind. Arm support for embalmers. 1,799,781; Apr. 7.
Chalfant, Frank, Fort Wayne, Ind. Folding table. 1,801,330; Apr. 21.
Chalfin, Benjamin. (See Chalfin, Philip and B.)
Chalfin, Philip and B., Philadelphia, Pa. Method and apparatus for reproducing images at a distance. 1,790,038; Jan. 27.
Chalker, Albert R. (See Lower, N. M., Chalker, and Ketchpel.)
Chalker, Albert R. (See Lower, N. M., Kusebauch, and Chalker.)
Challans, Eric W. (See Peter, L. H., Challans, and MacGregor.)
Challeen, Albert J., Highland Park, Mich. Sleet cutter for trolley wires. 1,838,091; Dec. 29.
Challenge Co. (See Lund, John A., assignor.)
Challenge Machinery Company. (See Barney, Freeman, assignor.)
Challenge Machinery Company, The. (See Gylleck, Olaf T., assignor.)
Challenge Machinery Co. (See Lee, James E., assignor.)
Challenge Machinery Company, The. (See Lee, J. E., Barney, and Beatty, assignors.)
Challenge Machinery Company, The. (See Meyers, Henry C., assignor.)
Chalmers, Charles E., New York, N. Y. Change making machine. 1,801,793; Apr. 21.
Chalmers, Charles E., New York, N. Y. Multiple change-making machine. 1,801,794; Apr. 21.
Chalmers, Charles E., New York, N. Y. Change making machine. 1,801,795; Apr. 21.
Chalmers, Charles E., New York, N. Y. Fare collecting machine. 1,801,796; Apr. 21.
Chalmers, Charles E., New York, N. Y. Change making machine. 1,801,797; Apr. 21.
Chalmers, Charles E., New York, N. Y. Change making machine. 1,801,798; Apr. 21.
Chalmers, Charles E., New York, N. Y. Change making machine. 1,801,799; Apr. 21.
Chalmers, Charles E., New York, N. Y. Ticket dispensing machine. 1,801,800; Apr. 21.
Chalmers, Charles E., New York, N. Y. Multiple fare collecting and change making machine. 1,801,801; Apr. 21.

Chalmers, Charles E., New York, N. Y. Multiple fare collecting and change making machine. 1,807,196; May 26.
Chalmers, Charles H., Minneapolis, Minn. Casing for oil burners. Des. 83,309; Feb. 17.
Chalmers, George W. (See Johnson, J. A., and Chalmers.)
Chalmers, Harris S. (See Bates, J. S., Chalmers, and Austin.)
Chalmers, Harry B., New York, N. Y. Variable-speed transmission. 1,798,722; Mar. 31.
Chalmers, Henry B., New York, N. Y. Power-transmission apparatus. 1,798,723; Mar. 31.
Chalmers, Henry B., New York, N. Y. Aeroplane control. 1,798,724; Mar. 31.
Chalmers, James B., Gary, Ind., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Preventing shifting of loads in railway cars and the like. 1,820,729; Aug. 25.
Chalmers, James B., Gary, Ind. Lifting hook. 1,836,576; Dec. 15.
Chalmers, John W. (See Molins, W. E., and Chalmers.)
Chalmers, John W., London, England. Machine for forming paper, cardboard, or like blanks. 1,833,410; Nov. 24.
Chalumeau, Jules, Paris, France. Shock-absorber. 1,808,130; June 2.
Chamberlain, Alfred J., Milwaukee, Wis. Can closing machine. Re18,209; Sept. 29.
Chamberlain, Alfred J., Milwaukee, Wis. Can-closing machine. 1,788,659; Jan. 13.
Chamberlain, Alfred J., Milwaukee, Wis. Container closing machine. 1,812,584; June 30.
Chamberlain, Artiemus G. A., Portland, Oreg. Ladle. 1,836,014; Dec. 15.
Chamberlain Cartridge & Target Company. (See North, Paul, assignor.)
Chamberlain, Chauncey C., Ionia, Mich. Padding or tableting device. 1,792,675; Feb. 17.
Chamberlain Company, The. (See Dulany, John R., assignor.)
Chamberlain, Eli L., Norwood, assignor to Bird & Son, Inc., East Walpole, Mass. Prepared roofing material. 1,801,245; Apr. 14.
Chamberlain, Frank B., Columbus, Ohio. Fountain pen. 1,787,896; Jan. 6.
Chamberlain, George L., and G. H. Gneiss, Chicago, Ill. Locating conduit outlets. 1,825,049; Sept. 29.
Chamberlain, Harry B., Kalamazoo, Mich. Safe. 1,805,759; May 19.
Chamberlain, Kit C., Houston, Tex. Window fastener. 1,801,659; Apr. 21.
Chamberlain, Rufus N. (See Booss, F. E. E., and Chamberlain.)
Chamberlain, Wilson P., jr., assignor to Corry Metal Corporation, Corry, Pa. Metal screen. 1,827,382; Oct. 13.
Chamberlin, Benjamin D. (See Benham, L. L., Chamberlin, and Cartwright.)
Chamberlin, Benjamin D., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic camera. 1,826,299; Oct. 6.
Chamberlin, Clarence P., assignor to Metal Mouldings Corporation, Detroit, Mich. Hinged sash and frame. 1,793,058; Feb. 17.
Chamberlin Metal Weatherstrip Co. (See Bredin, Lewis L., assignor.)
Chamberlin Metal Weatherstrip Company. (See Burns, Robert M., assignor.)
Chamberlin Metal Weatherstrip Company. (See Julien, Louis F., assignor.)
Chamberlin, Ralph A., Fonda, Iowa. Spark control for internal combustion engines. 1,831,378; Nov. 10.
Chamberlin, Vern L., Lake Orion, Mich. Advertising device. Des. 85,161; Sept. 22.
Chambers, Alexander, assignor of one-half to D. A. Alig, Indianapolis, Ind. Fruit spoon. 1,827,780; Oct. 20.
Chambers, Alfred A., Chicago, Ill., assignor to General Paint Corporation, San Francisco, Calif. Spreader for pipe-wrapping machines. 1,791,793; Feb. 10.
Chambers, Alfred A., Youngstown, Ohio, assignor to General Paint Corporation, San Francisco, Calif. Loading wrapped pipe. 1,793,059; Feb. 17.
Chambers, Allison R., New Glasgow, Nova Scotia, Canada. Manufacture of ground wood pulp. 1,813,988; July 14.
Chambers, Bering, Quinlan, Co. (See Cooper, Earl E., assignor.)
Chambers, Charles, jr., Flora, Ind. Corn planter runner. 1,837,895; Dec. 22.
Chambers, Harrington, Flushing, Long Island, N. Y. Stair construction. 1,815,048; July 21.
Chambers, James G. B., Seattle, Wash. Liquid-dispensing receptacle. 1,790,228; Jan. 27.
Chambers, John C. (See Chambers, Lucile and J. C.)
Chambers, Joseph A., Memphis, Tenn. Oil-station booth Des. 83,661; Mar. 17.
Chambers, Leverett D., assignor to Camco Scale Corporation, New York, N. Y. Weighing-scale casing. Des. 83,311; Feb. 17.
Chambers, Leverett D., assignor to Camco Scale Corporation, New York, N. Y. Weighing scale casing. Des. 84,516; June 30.
Chambers, Lucile and J. C., San Francisco, Calif. Eraser cleaning appliance. 1,822,878; Sept. 22.
Chambers, Max., and A. F. Sisk, Preston, Md. Packing machine. 1,816,751; July 28.
Chambersburg Engineering Company. (See Terhune, Howard, assignor.)
Chambon, Marius, Paris, France, assignor to Etablissements L. Chambon, Paris, France. Driving device employing Maltese cross wheels. 1,825,442; Sept. 29.
Chameleon Fountain Pen Corp. (See Bassi, Adolph, assignor.)
Chamness, Oscar L., R. B. Alfonte, and T. I. Philpott, Indianapolis, Ind. Metal railway tie and fastener. 1,798,191; Mar. 31.
Champ, Harry R. (See McCoy, James N., assignor.)
Champagne, Joseph D., and G. R. Cunningham, Portland, Oreg. Flashlight. 1,820,960; Sept. 1.
Champeau, Lawrence X., New York, N. Y. Floodlight. 1,837,147; Dec. 15.
Champion, Albert, deceased, by B. W. de Guichard, Flint, and Detroit Trust Company, Detroit, executors, assignors to A C Spark Plug Company, Flint, Mich. Spark plug. 1,795,638; Mar. 10.
Champion Carburetor Company. (See Hale, Fred E., assignor.)
Champion Coated Paper Company, The. (See Bradner, Donald B., assignor.)
Champion Coated Paper Company, The. (See Milligan, Charles H., assignor.)
Champion Coated Paper Company, The (See Reedy, John H., assignor.)
Champion Fibre Company, The. (See Peterson, Clifford E., assignor.)
Champion Fibre Company, The. (See Robertson, Reuben B., assignor.)
Champion Fibre Company, The. (See Rue, John D., assignor.)
Champion Fibre Company, The. (See Schuber, John, assignor.)
Champion Fibre Company, The. (See Waern, Adolph W., assignor.)
Champion Hardware Company, The. (See Wellman, Guy A. assignor.)
Champion, Harry E., et al., executors. (See Zifferer, Lothar R.)
Champion Machine & Forging Company, The. (See Greve, Louis W., assignor.)
Champion Pneumatic Machinery Company. (See Rayfield, Frederick J., assignor.)
Champion Spark Plug Company. (See Rohde, Otto C., assignor.)
Champion Washer Company. (See Lasar, Frank J., assignor.)
Champlin, Franklin J., Dalton, Mass., assignor to General Electric Company. System of electric motor control. 1,804,317; May 5.
Champlin, Franklin J., Dalton, Mass., assignor to Geneneral Electric Company. Electrical regulating system. 1,810,596; June 16.
Chanard, Auguste, Ruell, France. Carburetor. 1,829,632; Oct. 27.
Chance, Albert B., Centralia, Mo. Screw anchor. 1,797,637; Mar. 24.
Chance, Albert B., Centralia, Mo. Earth-anchor tool. 1,800,504; Apr. 14.
Chance, Albert B., Centralia, Mo. Pole guy fixture. 1,804,202; May 5.
Chance, Albert B., Centralia, Mo. Pole guy fixture. 1,813,482; July 7.
Chance Brothers and Co. Ltd. (See Gould, C. E., Hampton, and Martin, assignors.)
Chance Brothers and Co. Limited, Glass Works. (See English, John, assignor.)
Chance Vought Corporation. (See Reichert, L., and Watter, assignors.)
Chandler, Arch G. (See Chandler, E. A., and McCann, assignors.)
Chandler, Charles E., assignor of one-half to H. Garside, Philadelphia, Pa. Settling and evaporating tank. 1,809,674; June 9.
Chandler, Charlie A., Wapato, Wash., assignor of eighty-five-hundredths to Chandler Equipment Co., and fifteen-hundredths to L. O. Cockrill. Load bracing device. 1,825,992; Oct. 6.
Chandler, Charlie A., Wapato, Wash., assignor of eighty-five one hundredths to Chandler Equipment Co., and fifteen one hundredths to L. O. Cockrill. Load bracing device for railroad cars. 1,833,016; Nov. 24.
Chandler, David G. (See Svendsen, R. T., and Chandler.)
Chandler, Edgar J., assignor of one-half to H. M. Steves, Oakland, Calif. Automatically actuated weather strip. 1,805,512; May 19.
Chandler Equipment Co., et al. (See Chandler, Charlie A., assignor.)
Chandler, Ernest A., and J. H. McCann, Nashville, Tenn. Shiftable oven rack. 1,831,652; Nov. 10.
Chandler, Ernest A., and J. H. McCann, Nashville, Tenn., assignors of one-third to A. G. Chandler, Bessemer, Ala. Door shifted tray support for cabinets. 1,835,847; Dec. 8.
Chandler, Frank D., New Hyde Park, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y. Mold wiper for typographical machines. 1,833,825; Nov. 25.
Chandler, Franklin F. (See Young, R. E., and Chandler.)
Chandler, Franklin F., assignor to Ross Gear & Tool Company, La Fayette, Ind. Steering gear roller pin. 1,828,594; Oct. 20.

Chandler, George H., Marshfield, Mass. Cranberry picker. 1,793,464; Feb. 24.
Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Electric switch. 1,788,450; Jan. 13.
Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,790,741; Feb. 3.
Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector. 1,817,175; Aug. 4.
Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Molded receptacle. 1,820,375; Aug. 25.
Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Feeder tap. 1,822,883; Sept. 15.
Chandler, Leonard D., North Abington, Mass. Welt for boots and shoes. 1,838,298; Dec. 29.
Chandler, Milford G., Flint, Mich. Fuel feeding means for internal combustion engines. 1,822,011; Sept. 8.
Chandler, Milton E., assignor to Stromberg Research Corporation, Chicago, Ill. Shock absorber. 1,788,943; Jan. 13.
Chandler, Milton E., Chicago, Ill., assignor to Stromberg Research Corporation, South Bend, Ind. Shock absorber. 1,792,459; Feb. 10.
Chandler & Price Company, The. (See Root, Charles F., assignor.)
Chandler and Price Company, The. (See Tyler, R. S., McGeorge, and Reichart, assignors.)
Chandler, R. Gordon. (See Hughes, Benjamin I., assignor.)
Chandler, Robert J. A., London, England, assignor to American Machine & Foundry Company. Picker roll. 1,790,339; Jan. 27.
Chandler, Robert J. A., London, England, assignor to American Machine & Foundry Company. Cigarette cut off. 1,824,393; Sept. 22.
Chandler, Tommie B., Phoenix, Ariz. Wall table and ironing board. 1,795,636; Mar. 10.
Chandonia, Elmer H., Ludlow, Ky., assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio. Multiple baking pan structure. 1,830,191; Nov. 3.
Chaney, Clyde C., Rapid City, Mich. Reducing gear. 1,801,485; Apr. 21.
Chaney, Hallack T., South Milwaukee, and J. M. Thompson, Milwaukee, Wis. Safety plug and receptacle. 1,791,264; Feb. 3.
Chaney, Lee F., Springfield, Ohio. Apparatus for flattening bulbs of thermometer tubes. 1,793,997; Feb. 24.
Chaney, Newcomb K. (See Dittrick, C. H., and Chaney.)
Chaney, Newcomb K., Lakewood, Ohio, assignor to National Carbon Company, Inc. Dry cell battery. 1,809,471; June 9.
Chaney, Newcomb K., Lakewood, Ohio, assignor to National Carbon Company, Inc. Regulator for short circuit amperage on starting arc lights. 1,811,301; June 23.
Chaney, Newcomb K., Lakewood, Ohio, assignor to National Carbon Company, Inc. Vent for electric battery cells. 1,836,903; Dec. 15.
Channell, James W., Southgate, Calif. Cable splicing machine. 1,813,562; July 7.
Channing, R. H., jr., agent. (See Phelan, R. E., Lowe, Clampitt, Koenig and Fischer, assignors.)
Channon, Henry C. (See Smith, W. S., Garnett, and Channon.)
Chanslor, Joseph D. (See Bucey, George M., assignor.)
Chant, John, Felixstowe, England. Single or stand up collar ironing and curling machine. 1,828,923; Oct. 27.
Chantry, Harry R., Brighton, England. Attaching wheels to shafts. 1,799,884; Apr. 7.
Chapal Donner Corporation, The. (See Plass, Robert H., assignor.)
Chapel, Chauncey C., Simpson, Kans. Decelerator. 1,810,128; June 16.
Chapin, Arthur B., assignor to Republic Paint and Varnish Works, Chicago, Ill. Plastic compound and making same. 1,838,658; Dec. 29.
Chapin, Charles H., Chicago, Ill. Shock absorbing device. 1,817,675; Aug. 4.
Chapin, Edward S., Pawtucket, R. I., assignor to The Deltex Company. Apparatus for treating and ageing fabrics. 1,818,041; Aug. 11.
Chapin, Fenton G., East St. Louis, Mo. Elevator door locking mechanism. 1,828,316; Oct. 20.
Chapin, Harold S., Wauwatosa, assignor to S. M. Siesel Co., Milwaukee, Wis. Construction-element extension hanger. 1,792,815; Feb. 17.
Chapin, Harrison L. (See Folmer, W. F., and Chapin.)
Chaplin, Merle P., Waterville, assignor, by mesne assignments, to Fidelity Trust Company, Portland, Me., as trustee. Molded fiber plate. Des. 85,634; Dec. 1.
Chapin, William R., Indianapolis, Ind. Metal cement. 1,793,156; Feb. 17.
Chapin, William R., Indianapolis, Ind. Metal cement. 1,793,157; Feb. 17.
Chaplan, Simon V., assignor to American Flyer Mfg. Co., Chicago, Ill. Means for simulating fire boxes on toy locomotives. 1,793,543; Feb. 24.
Chaplick, Zigman, Chicago, Ill. Top for smoking stands. Des. 84,624; July 14.
Chaplick, Zigman, Chicago, Ill. Ash receiver. Des. 84,679; July 21.
Chaplin, Merle P., White Plains, N. Y., assignor, by mesne assignments, to Fidelity Trust Company, trustee, Portland, Me. Pulp-molding machine. 1,788,944; Jan. 13.
Chaplin, Merle P., Waterville, assignor, by mesne assignments, to Fidelity Trust Company, trustee, Portland, Me. Pulp molding machine. 1,804,203; May 5.
Chaplin, Merle P., Waterville, Me., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switch. 1,819,675; Aug. 18.
Chaplin, Merle P., Waterville, assignor, by mesne assignments, to Fidelity Trust Company, Portland, Me. Pulp molding machine. 1,838,904; Dec. 29.
Chaplin, William, Paris, France. Nut lock. 1,825,050; Sept. 29.
Chapman, Arthur B., assignor to The Double-A Alarm Company, Oshkosh, Wis. Clock for alarm systems. 1,818,958; Aug. 11.
Chapman, Arthur G., Upper Montclair, N. J., assignor to American Telephone and Telegraph Company. Wave-antenna array. 1,790,742; Feb. 3.
Chapman, Arthur R. (See Taylor, A. M., and Chapman.)
Chapman, Arthur W., Putney, London, England. Slidable seat. 1,787,472; Jan. 6.
Chapman, Bert, assignor to International Time Recording Company of New York, Endicott, N. Y. Clock resetting device. 1,830,750; Nov. 10.
Chapman, Charles A., Estes Park, Colo. Beveling, grooving, and cutting tool. 1,800,338; Apr. 14.
Chapman, Edward L., Tulsa, Okla. Stub axle puller. 1,814,368; July 14.
Chapman, Edward W. (See Hamilton, G. H., and Chapman.)
Chapman, Ernest. (See Baddiley, J., and Chapman.)
Chapman, Ernest, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, London, England. Pickling of metals. 1,836,445; Dec. 15.
Chapman, Frank C., Modesto, Calif. Egg handling apparatus. 1,837,357; Dec. 22.
Chapman, Frank D., Berlin, Wis. Automatic cooker. 1,803,994; May 5.
Chapman, Frank D., Berlin, Wis. Valve for cookers. 1,808,017; June 2.
Chapman, Frank D., Berlin, Wis. System of and machine for grading peas. 1,814,126; July 14.
Chapman, Frank D., Berlin, Wis. Corn silker. 1,834,047; Dec. 1.
Chapman, Frank D., Berlin, Wis. Quality gravity separating. 1,835,634; Dec. 8.
Chapman, Frank D., assignor to Berlin Chapman Company, Berlin, Wis. Continuous cooker. 1,806,609; May 26.
Chapman, General H. (See Rook, M. C., Sparks, and Chapman.)
Chapman, Herbert N., Kansas City, Mo. Mailing folder and envelope and making same. 1,814,620; July 14.
Chapman, Lyman B., Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn. Locking pin fastener. 1,797,605; Mar. 24.
Chapman, Norton W., assignor to The Guilford Manufacturing Company, Guilford, Conn. Manicurist's buffer. 1,812,431; June 30.
Chapman, Paul, Bayside, N. Y. Power transmission construction. 1,805,612; May 19.
Chapman, Ralph L., Santa Ana, Calif. Hose clamp. 1,802,499; Apr. 28.
Chapman, Robert A., Brooklyn, N. Y. Combined calendar and memorandum. 1,798,656; Mar. 31.
Chapman, Shelby C., Jackson Heights, assignor to Electrical Research Products Inc., New York, N. Y. Sound picture system. 1,823,349; Sept. 15.
Chapman-Stein Company, The. (See Culbertson, Albert L., assignor.)
Chapman-Stein Company, The. (See McDermott, George R., assignor.)
Chapman Valve Manufacturing Company, The. (See Fox, George E., assignor.)
Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Welding machine. 1,801,140; Apr. 14.
Chapman, Warren B., Carthage, Mo., and H. G. Fischer, assignors to H. G. Fischer & Co., Chicago, Ill. Electrode. 1,827,306; Oct. 13.
Chapman, William A., Lithonia, Ga., assignor to The Aro Equipment Corporation, Bryan, Ohio. Grease gun. Re17,974; Feb. 17.
Chapman, William A., E. J. Machemer, and F. J. Paul, Silver Creek, assignors to Huntley Manufacturing Co., Brocton, N. Y. Coring machine. 1,815,730; July 21.
Chapman, William B. (See Nabona, Y., and Chapman.)
Chapman, William B., Jackson Heights, N. Y. Apparatus for burning granulated coal. 1,812,080; June 30.
Chapman, William H., Oakland, Calif. Motor vehicle headlamp. 1,809,022; June 9.
Chapman, William H., Montclair, and P. H. Hutchinson, East Orange, N. J., assignors to General Motors Corporation, Detroit, Mich. Work holder. 1,808,288; June 2.
Chapman, William R., jr. (See Forney, Charles, assignor.)
Chappell, Eugene L., McKeesport, Pa., assignor to National Tube Company. Coating. 1,826,301; Oct. 6.
Chappell, Eugene L., and P. C. Ely, McKeesport, Pa., assignors to National Tube Company. Galvanizing. 1,837,112; Dec. 15.

Chappell, James F., Windsor, Ontario, Canada. Oil level indicating apparatus. 1,813,382; July 7.
Chappell, Marvin L. (See Black, J. C., and Chappell.)
Chappell, Marvin L., Los Angeles, assignor to Standard Oil Company of California, San Francisco, Calif. Producing motor fuel or gasoline from petroleum oil. 1,811,257; June 23.
Chappell, Marvin L., Los Angeles, assignor to Standard Oil Company of California, San Francisco, Calif. Treating hydrocarbon oils with metallic halides. 1,815,460; July 21.
Chappell, Marvin L., Los Angeles, assignor to Standard Oil Company of California, San Francisco, Calif. Producing naphtha from hydrocarbon oils. 1,823,967; Sept. 22.
Chappell, Marvin L., Los Angeles, assignor to Standard Oil Company of California, San Francisco, Calif. Treating petroleum oil to produce low boiling point oil. 1,835,280; Dec. 8.
Chappell, Revere, Cincinnati, Ohio. Abrasive wheel. 1,826,300; Oct. 6.
Chapple, John C., St. Louis, Mo. Burner. 1,834,768; Dec. 1.
Chapsal, Pierre. (See Lenouvel, J. L., and Chapsal.)
Chapuis, Charles and P. Dessaules, Chalons-S-Saone, France. Lever system. 1,787,666; Jan. 6.
Char, Isaac, assignor to American Road Machinery Company, Kennett Square, Pa. Motor grader tractor steering device. 1,825,220; Sept. 29.
Charavay, Frederick, assignor of one-half to Hartzell Industries Inc., Piqua, Ohio. Metal tipping for propellers. 1,793,775; Feb. 24.
Charbonneau, Albert W., assignor to The Roberts Specialty Manufacturing Company, Inc., Boston, Mass. Compound appliance. 1,814,895; July 14.
Charch, William H., Buffalo, and N. A. Craigue, Kenmore, assignors, by mesne assignments, to Du Pont Cellophane Company, Inc., New York, N. Y. Apparatus for coating. 1,826,697; Oct. 6.
Charch, William H., Buffalo, and N. A. Craigue, Kenmore, assignors to Du Pont Cellophane Company, Inc., New York, N. Y. Coating. 1,826,698; Oct. 6.
Charch, William H., Buffalo, N. Y., and K. E. Prindle, Cleveland, Ohio, assignors, by mesne assignments, to Du Pont Cellophane Company, Inc., New York, N. Y. Moistureproofing composition. 1,826,696; Oct. 6.
Charch, William H., Buffalo, N. Y., and K. E. Prindle, Cleveland, Ohio, assignors to Du Pont Cellophane Company, Inc., New York, N. Y. Preparing moistureproof materials. 1,826,699; Oct. 6.
Charcolite Corporation. (See Rodgers, Richard L., assignor.)
Chardell, James J., and L. J. Ferdinand, Hazleton, Pa. Combination spotlight and observation device. 1,828,924; Oct. 27.
Charette, George W., Lemon Grove, Calif. Aeroplane landing. 1,823,086; Sept. 15.
Charles, George D., Hungtington, W. Va. Wall box. 1,803,233; Apr. 28.
Charles, Henry E., Paterson, assignor to The Okonite Company, Passaic, N. J. Lagging for reels. 1,808,018; June 2.
Charles, Maurice, Courbevoie, France. Safety switch. 1,806,236; May 19.
Charles, Maurice, Courbevoie, France. Hydraulic braking system for airplanes. 1,823,255; Sept. 15.
Charles, Maurice, Courbevoie, France. Automatic dilatation compensator. 1,830,869; Nov. 10.
Charles Meurisse & Company. (See Meurisse, Gordon, assignor.)
Charles, Ulysses G., assignor of one-fourth to D. E. Dunne, jr., Wichita, Kans. Hydraulic clutch. 1,804,744; May 12.
Charleston Dry Dock and Machine Company et al. (See Smith, Richard F., assignor.)
Charlestream, William A., Eagle Bridge, N. Y. Jar opener. 1,803,171; Apr. 28.
Charlier, Maurice, Brussels, Belgium. Apparatus for swaging dental plates. 1,804,318; May 5.
Charlier, Maurice, Brussels, Belgium. Swaging dental plates. 1,833,411; Nov. 24.
Charlton, Cecil F., Birmingham, Mich. Storm sash. 1,809,829; June 16.
Charlton & Co. (See Merz, Eduard, assignor.)
Charlton, Ernest E., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 1,815,762; July 21.
Charlton, George, Detroit, Mich., assignor to Wilcox-Rich Corporation. Open-bottom furnace organization. 1,824,121; Sept. 22.
Charman, Frederick J. H. (See Willans, P. W., and Charman.)
Charman, Walter M. (See Hushour, Perry D., assignor.)
Charman, Walter M., Youngstown, Ohio. Lining for hot top. 1,804,205; May 5.
Charman, Walter M., Youngstown, Ohio. Hot top. 1,804,208; May 5.
Charman, Walter M., and H. J. Darlington, Youngstown, Ohio; said Darlington assignor to said Charman. Hot top for ingot molds. 1,804,204; May 5.
Charman, Walter M., and H. J. Darlington, Youngstown, Ohio; said Darlington assignor to said Charman. Hot top. 1,804,206; May 5.
Charman, Walter M., and H. J. Darlington, Youngstown, Ohio; said Darlington assignor to said Charman. Mold wiper for hot tops. 1,804,207; May 5.
Charter Oak Stove & Range Company. (See Dana, Leslie, assignor.)
Charters, William B., Sooke, British Columbia, Canada. Brake. 1,814,666; July 14.
Chartier, Adjutor, Sherbrooke, assignor of twenty-five per cent to A. Lagueux and twenty-five per cent to J. E. Pelletier, Quebec, Canada. Clutch check and release apparatus. 1,814,896; July 14.
Chartoff, Louis, New Haven, Conn. Display stand. 1,790,338; Jan. 27.
Chartrand, Harry, Chicago, Ill. Mixing valve. 1,834,680; Dec. 1.
Chartrand, Lawrence M. (See Waltemate, Herman, assignor.)
Charushin, Vladimir. (See Fickett, E. L., Greene, Charushin, and Campbell.)
Chase Bag Company, The. (See Cramer, J. D., and Rogers, assignors.)
Chase Brass & Copper Co. Incorporated. (See Helsley, Virginia, assignor.)
Chase Companies, The. (See Cornell, Edward S., jr., assignor.)
Chase Companies, The. (See Pope, Elton A., assignor.)
Chase Companies. (See Reichenbach, Howard F., assignor.)
Chase Companies, The. (See Spring, Fred L. V., assignor.)
Chase Companies, Incorporated, The. (See Burt, William H., assignor.)
Chase Companies Incorporated. (See Recker, Adolph C., assignor.)
Chase, Curtis D., Allston, Mass. assignor to Chase Holding Corporation. Distributing tank. 1,804,592; May 12.
Chase, Curtis D., Allston, Mass., assignor to Chase Holding Corporation. Material treating apparatus. 1,813,728; July 7.
Chase, Curtis D., Allston, Mass., assignor to Chase Holding Corporation. Snow melting flusher. 1,813,729; July 7.
Chase, Curtis D., Allston, Mass., assignor to Chase Holding Corporation. Snow melter. 1,821,292; Sept. 1.
Chase, Delmar D., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine winding. 1,815,832; July 21.
Chase, Earle M. (See Johnson, R. A., and Chase.)
Chase, Elroy A., Northfield, assignor to Rock of Ages Corporation, Burlington, Vt. Producing a contoured surface on stone. 1,803,891; May 5.
Chase, Emery H., Addison, N. Y. Violin. Des. 85,731; Dec. 15.
Chase, Ethel K., New Bedford, Mass. Toilet article. 1,799,545; Apr. 7.
Chase, Eugene P., Narbeth, Pa. Apparatus for testing railroad signal systems. 1,801,767; Apr. 21.
Chase, Fielding, Boston, Mass. Toilet appliance. 1,791,351; Feb. 3.
Chase Foundry and Mfg. Company, The. (See Booth, Augustus D., assignor.)
Chase Foundry & Manufacturing Company, The. (See Chase, Sherwood M., assignor.)
Chase, Francis F., Melrose, Mass. Vaporizer. 1,809,375; June 9.
Chase, Francis F., Melrose, Mass. Vaporizer. 1,809,438; June 9.
Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Full-cycle positioning mechanism. Re18,130; July 21.
Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Driving mechanism for calculating machines. 1,794,514; Mar. 3.
Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,818,790; Aug. 11.
Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,827,837; Oct. 20.
Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Automatic carriage shifting mechanism for calculators. 1,829,210; Oct. 27.
Chase, George C., South Orange, and L. R. Brown, East Orange, assignors to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,834,121; Dec. 1.
Chase Holding Corporation. (See Chase, Curtis D., assignor.)
Chase, Lionel, assignor to The Colson Company, Elyria, Ohio. Mop wringer. 1,823,486; Sept. 15.
Chase, Lyle G., Plainfield, N. J., assignor to Yarnall-Waring Company, Philadelphia, Pa. Spray nozzle outlet. 1,821,542; Sept. 1.
Chase Machine Company. (See Chase, Stephen, 4th, assignor.)
Chase Machine Company. (See Chase, S., 4th, Palm, and Pfeiffer, assignors.)
Chase, March F. (See Skogmark, J., and Chase.)
Chase, Philip H., Bala-Cynwyd, Pa. Cable. 1,803,279; Apr. 28.
Chase, Philip H., Bala-Cynwyd, Pa. Rack. 1,831,440; Nov. 10.

Chase Plow Company. (See Brand, James C., assignor.)
Chase, Reyburn T., Camden, N. J. Can opener. 1,825,383; Sept. 29.
Chase-Shawmut Company, The. (See Conant, Franklin N., assignor.)
Chase, Sherwood M., assignor to The Chase Foundry & Manufacturing Company, Columbus, Ohio. Spring supported platform for vehicles. 1,812,861; July 7.
Chase, Stephen, 4th, assignor to Chase Machine Company, Chicago, Ill. Cleaning pile fabrics. 1,820,048; Aug. 25.
Chase, Stephen, 4th, G. H. Palm, R. S. Pfeiffer, Chicago, and B. S. Pfeiffer, Winnetka, assignors to Chase Machine Company, Chicago, Ill. Carpet cleaning machine. 1,806,237; May 19.
Chase, Theron P. (See Lee, W. S., and Chase.)
Chase, Theron P., assignor to General Motors Research Corporation, Detroit, Mich. Pressed-metal brake shoe. 1,794,348; Feb. 24.
Chase, Theron P., assignor to General Motors Research Corporation, Detroit, Mich. Brake-operating mechanism. 1,795,290; Mar. 10.
Chase, Theron P., assignor to General Motors Research Corporation, Detroit, Mich. Brake centralizer. 1,808,206; June 2.
Chase, Theron P., assignor to General Motors Research Corporation, Detroit, Mich. Brake drum. 1,826,381; Oct. 6.
Chase, Theron P., assignor to General Motors Research Corporation, Detroit, Mich. Automatic take-up for brakes. 1,833,412; Nov. 24.
Chase, Theron P., assignor to General Motors Research Corporation, Detroit, Mich. Brake drum. 1,833,413; Nov. 24.
Chase, Walter E., Sarasota, Fla. Rub hoe. 1,809,743; June 9.
Chason, Daniel H. (See Zabriskie, H. L., and Chason.)
Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine-motor controller. 1,792,816; Feb. 17.
Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine-motor controller. 1,792,817; Feb. 17.
Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine-motor controller. 1,792,818; Feb. 17.
Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Table-leaf support. 1,798,786; Mar. 31.
Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Graduated tension regulator for sewing machines. 1,820,119; Aug. 25.
Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Disappearing machine rest. 1,820,527; Aug. 25.
Chason, Daniel H., assignor to Diehl Manufacturing Company, Elizabeth, N. J. Electric phonograph stop. 1,823,530; Sept. 15.
Chaston, Jack C., and J. P. Johns, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Magnetic structure. 1,795,639; Mar. 10.
Chatfield, Franklin, assignor to The Munsingwear Corporation, Minneapolis, Minn. Dyeing machine. 1,800,859; Apr. 14.
Chatfield, Josiah. (See Bennett, H. T., and Story, assignor.)
Chatfield, Josiah. (See Story, L. G., assignor Beckley and Bennett.)
Chatham, Elisha C., Tarrant, Ala. Spirit level. 1,826,731; Oct. 13.
Chatham Specialty Corporation. (See Kohn, Koby, assignor.)
Chatillon, George E., assignor to John Chatillon & Sons, New York, N. Y. Stability testing apparatus. 1,826,732; Oct. 13.
Chatillon, John, & Sons. (See Averell, Sylvester G., assignor.)
Chatillon, John, & Sons. (See Cameron, Hugh M., assignor.)
Chatillon, John, & Sons. (See Chatillon, George E., assignor.)
Chattillion, August J., assignor of one-half to H. Buehler, jr., St. Louis, Mo. Pulley. 1,838,905; Dec. 29.
Chaudet, Felix R., St. Louis, Mo. Combustion engine. 1,791,523; Feb. 10.
Chaudoir, Eugène, Liverpool, England. Garage. 1,797,325; Mar. 24.
Chaumier, Paul, Dallas, Tex. Hair waving device. 1,812,081; June 30.
Chaustowich, Gabriel A., Detroit, Mich. Brake. 1,835,593; Dec. 8.
Chauvin, Hayes J., Jefferson, La. Spring clip box. 1,823,930; Sept. 22.
Chavand, René, Lyon, France. Process and apparatus for tanning leather. 1,812,257; June 30.
Chavanne, Louis, Paris, France. Generating producer gas. 1,799,885; Apr. 7.
Chavanne, Louis, Paris, France. Gasification of solid fuel. 1,799,886; Apr. 7.
Chavanne, Louis, Paris, France. Obtaining various gases and recovering by-products. 1,818,533; Aug. 11.
Chavara, Miguel, and I. Churruca, Madrid, Spain. Radiator. 1,833,985; Dec. 1.
Chavez, John J., San Francisco, Calif. Picture frame hook. 1,801,660; Apr. 21.
Chayes Dental Instrument Corporation. (See Kent, Frank J., assignor.)
Cheatham Electric Switching Device Co. (See Milton, John L., assignor.)
Cheatham Electric Switching Device Co., et al. (See Richterkessing, Frank H., assignor.)
Cheatham Electric Switching Device Company. (See Stolp, Samuel S., assignor.)
Checker Cab Manufacturing Corporation. (See Brownell, James L., assignor.)
Checker Cab Manufacturing Corporation. (See Johnson, Roy W., assignor.)
Checker Cab Manufacturing Corporation. (See Kuenzel, S. H. Hunter, assignor.)
Chédru, Gustave E., Neauphle Le Chateau, France. Internal-combustion engine. 1,798,967; Mar. 31.
Chee Choo, Thomas, Hanna, Alberta, Canada. Brush. 1,829,850; Nov. 3.
Cheesman, Richard D., Raleigh, N. C. Making Portland cement. 1,802,196; Apr. 21.
Cheetham, John W. (See Phillip, Thomas and W., assignors.)
Cheetham, Joseph H., Detroit, Mich. Packless valve. 1,810,202; June 16.
Cheetham, Joseph H., assignor to Mueller Co., Decatur, Ill. White bronze. 1,826,239; Oct. 6.
Cheetham, Margaret, Youngstown, Ohio. Safety airplane. 1,814,829; July 14.
Cheffer, Walter J., Chicago, Ill. Spinning top. 1,807,964; June 2.
Cheley, William J. (See Bleecker, Warren F., assignor.)
Chelini, William B., Ross, Calif. Decoy duck. 1,831,286; Nov. 10.
Chem-Electric Engineering Corporation. (See Ames, S. L., and Day, assignors.)
Chem-Electric Engineering Corporation. (See Winchester, William E., assignor.)
Chemical Construction Corporation. (See Hechenbleikner, Ingenuin, assignor.)
Chemical Construction Corporation. (See Hechenbleikner, I., and Titlestad, assignors.)
Chemical Construction Corporation. (See Mast, William C., assignor.)
Chemical Development Co. (See Spohn, John H., jr., assignor.)
Chemical Engineering Corporation. (See Jones, Louis C., assignor.)
Chemical Machinery Corporation. (See Field, Crosby, assignor.)
Chemical Products Company. (See Lloyd, S. J., and Kennedy, assignors.)
Chemical Treatment Company. (See Fink, Colin G., assignor.)
Chemical Treatment Company. (See Fink, C. G., and Pan, assignors.)
"Chemical Works formerly Sandoz". (See Boeniger, Melchior, assignor.)
Chemical Works, formerly Sandoz. (See Karrer, P., and Wehrli, assignors.)
Chemical Works formerly Sandoz. (See Müller, Fritz, assignor.)
Chemical Works formerly Sandoz. (See Tagliana, Giovanni, assignor.)
Chemidlin, Frederick J., assignor to Bronston Hat Co., Inc., Plainfield, N. J. Hatband fastener. 1,791,556; Feb. 10.
Chemipulp Process, Incorporated. (See Dunbar, Thomas L., assignor.)
Chemipulp Process, Inc. (See Van de Carr, Charles R., jr., assignor.)
Chemische Fabriek L. van der Grinten. (See van der Grinten, Karel, and L., assignors.)
Chemische Fabrik Jacobus G. M. B. H. (See Budowski, Issar, assignor.)
Chemische Fabrik Pott & Co. (See Popsiech, Friedrich, assignor.)
Chemische Fabriken J. Bellak. (See Hofmeister, F., and Melhardt, assignors.)
Chemnitzer Strickmaschinen-Fabrick A. G. (See Sander, Paul E. B., assignor.)
Chenery, Henry L., Portland, assignor to D. H. Edes, Guilford, and H. F. Sawyer, Freeport, Me. Envelope-feeding apparatus for typewriters. 1,817,235; Aug. 4.
Cheney Bigelow Wire Works. (See Peterson, Guy M., assignor.)
Cheney Company, The. (See Koeppe, Robert J., assignor.)
Cheney, Moses E., La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Oil-level gauge. 1,796,000; Mar. 10.
Cheney, Moses E., La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Thermometer bulb. 1,808,634; June 2.
Cheney, Moses E., La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Electrical oil and gas indicator. 1,837,113; Dec. 15.
Cheney, Moses E., Flushing, assignor to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Oil level gauge. 1,810,818; June 16.

Cheney, Moses E., Toledo, Ohio, assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Liquid level indicator. 1,835,995; Dec. 8.
Chenney Brothers. (See Hood, L. N., and Scott, assignors.)
Chereton, Avery B., Chicago, and W. L. Cummings, Berwyn, Ill., assignors to The Vitaglo Corporation. Photographic sound recording means. 1,826,924; Oct. 13.
Chermack, Winclow R., Hopkins, Minn. Rotary hone. 1,819,408; Aug. 18.
Cherne, Andrew F., Eveleth, Minn. Adjustable cleanout plug. 1,832,183; Nov. 17.
Cherney, Anton B., Milwaukee, Wis. Wood sawing machine. 1,835,376; Dec. 8.
Chéron, Pierre J., Stratford, Conn. Electric wall plug. Des. 84,809; Aug. 11.
Chéron, Pierre J., Stratford, Conn., assignor to Moto Meter Gauge & Equipment Corporation, Toledo, Ohio. Cover plate for traffic warning device. Des. 84,072; May 5.
Cherry-Burrell Corporation. (See Boileau, Arthur H., assignor.)
Cherry-Burrell Corporation. (See Feldmeier, Harvey, assignor.)
Cherry-Burrell Corporation. (See Feldmeier, H., and Dalzell, assignors.)
Cherry-Burrell Corporation. (See Figg, Herbert M., assignor.)
Cherry-Burrell Corporation. (See Lippold, Adolph J., assignor.)
Cherry-Burrell Corporation. (See McCain, Wes W., assignor.)
Cherry-Burrell Corporation. (See Wightman, R. J., and Astle, assignors.)
Cherry-Burrell Corporation. (See Wightman, R. J., and Nellis, assignors.)
Cherry, Carl W., Carmel, Calif. Windshield wiper. 1,789,217; Jan. 13.
Cherry, Carl W., Carmel, Calif. Lathe feed mechanism. 1,799,038; Mar. 31.
Cherry, Charles K., Little Rock, Ark. Vending machine. 1,820,345; Aug. 25.
Cherry, George L., La Grange, Ill., assignor to Western Electric Company Incorporated, New York, N. Y. Cleaning device. 1,815,238; July 21.
Cherry, George L., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for handling strand material. 1,823,885; Sept. 22.
Cherry, Manley J., and C. A. Barth, Cottage Grove, Oreg. Automatic latching device. 1,808,635; June 2.
Cherry, Oscar A., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Condensation product of urea and formaldehyde. 1,790,461; Jan. 27.
Cherry, Oscar A., assignor to Economy Fuse Manufacturing Company, Chicago, Ill. Urea condensation product. 1,799,954; Apr. 7.
Cherry, Oscar A., and F. Kurath, assignors to Economy Fuse & Manufacturing Company, Chicago, Ill. Composition of matter and producing same. 1,800,815; Apr. 14.
Chersanaz, Luciano and G. Alvarez, Buenos Aires, Argentina. Theatrical-seat construction. 1,787,814; Jan. 6.
Chesham, Henry W., Sheffield, England. Apparatus to facilitate instruction in mathematics. 1,836,643; Dec. 15.
Cheshire, Edward, St. Petersburg, Fla. Attachment for cutting machines. 1,807,895; June 2.
Cheshire, Edward, St. Petersburg, Fla. Vise. 1,807,896; June 2.
Cheshire, Edward, St. Petersburg, Fla. Composing room machine. 1,812,685; June 30.
Cheshire, Edward, St. Petersburg, Fla. Sheet delivering device. 1,820,730; Aug. 25.
Cheshire, Edward, St. Petersburg, Fla. Low slug attachment. 1,821,460; Sept. 1.
Cheshire, Edward, St. Petersburg, Fla. Sheet register device. 1,834,383; Dec. 1.
Cheshire, Edward, Milwaukee, Wis. Sheet feeding device. 1,834,382; Dec. 1.
Chesley, Frank, Louisville, Ky., assignor of one-half to A. M. Cooper. Duplicating machine. 1,835,931; Dec. 8.
Cheslock, Frank J., and C. A. Yares, St. Paul, Minn. Electric heater. 1,813,023; July 7.
Chesney, Guy F., Spartanburg, S. C. Cord fastener. 1,808,636; June 2.
Chesney, Jacques W. D., assignor to The Burdick Corporation, Milton, Wis. Therapeutic appliance. 1,791,794; Feb. 10.
Chesney, Jacques W. D., assignor to Ultra Violet Generator Corporation, Chicago, Ill. Electrode. 1,838,741; Dec. 29.
Chesney, Jacques W. D., Chicago, and H. P. MacLagan, Oak Park, Ill., assignors to McIntosh Electrical Corporation. Therapeutic lamp apparatus. 1,813,383; July 7.
Chesney, Robert M., Warren, Ohio, assignor, by mesne assignments, to United States Gypsum Company, Chicago, Ill. Reenforcing stud for construction boards. 1,838,361; Dec. 29.
Chesnut, John, Clearwater, Fla., assignor of one-third to C. J. O'Neill, Washington, D. C. Aquatic amusement device. 1,793,905; Feb. 24.
Chesnutt, John L., Long Beach, Calif. Carburetor. 1,809,108; June 9.
Chesny, Heinz H., Los Angeles, Calif. Carbonating apparatus. 1,799,354; Apr. 7.
Chessin, Alexander, Brooklyn, N. Y. Motor. 1,802,108; Apr. 21.
Chessman, Louis L., Syracuse, N. Y. Automobile locking mechanism. 1,829,784; Nov. 3.
Chestenick, Fred, et al. (See Vargo, Michael, assignor.)
Chester, Arthur T., and A. C. Cary, Rye, N. Y. Intaglio printing press. 1,827,684; Oct. 13.
Chester, Arthur T., and A. C. Cary, Rye, N. Y. Pressure unit for intaglio printing. 1,827,685; Oct. 13.
Chester, Carroll W., Los Angeles, Calif. Airplane-gun mounting. 1,791,795; Feb. 10.
Chester, Frank R., New York, N. Y., assignor to Chesterfield Control Company, Dover, Del. Game. 1,812,930; July 7.
Chester, Frank R., New York, N. Y., assignor to Chesterfield Control Company, Dover, Del. Fight game. 1,812,931; July 7.
Chester, Frank R., New York, N. Y., assignor to Chesterfield Control Company, Dover, Del. Football game. 1,812,932; July 7.
Chester, Frank R., New York, N. Y., assignor, by mesne assignments, to Chesterfield Control Company, Dover, Del. Game. 1,825,777; Oct. 6.
Chester, Frank R., New York, N. Y., assignor, by mesne assignments, to Chesterfield Control Company. Dover, Del. Game. 1,825,778; Oct. 6.
Chester, George H., Richmond Heights, Mo. Self locking hinge. 1,837,204; Dec. 22.
Chester, James C., Riverbank, Calif. Directional signal for motor vehicles. 1,829,890; Nov. 3.
Chester, Thomas, Pittsburgh, Pa. Dehumidifier and apparatus for air treating. 1,791,751; Feb. 10.
Chesterfield Control Company. (See Chester, Frank R., assignor.)
Chesterfield Tube Company Limited, The. (See Hill, Sidney B. N., assignor.)
Chestnut, Roy W., Upper Montclair, N. J., H. J. Fisher, Port Washington, and A. J. Sanial, New York, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and system of secret signaling. 1,829,783; Nov. 3.
Cheston, Arthur S., Birmingham, C. Coward and C. F. Coward, Maidenhead, England. Vehicle seat. 1,825,713; Oct. 6.
Chetlain, Frederick H., et al., trustees. (See Arey, Fred C., assignor.)
Chevalier, John M., Tacoma, Wash., assignor of one-half to O. A. Rhode, Seattle, Wash. Log rafting device. 1,824,982; Sept. 29.
Chevalier, La Rue B., Iola, Kans. Polish rod hanger. 1,818,303; Aug. 11.
Chevalier, La Rue B., Iola, Kans. Wrist pin. 1,818,304; Aug. 11.
Chevalier, La Rue B., Iola, Kans. Reenforcing sleeve for bull and calf wheel shafts. 1,825,714; Oct. 6.
Chevallier, Marcel, Marnes La Coquette, and G. Poulain, Drancy, France. Valveless internal-combustion engine. 1,790,534; Jan. 27.
Chevillot, Alfred, Paris, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure braking apparatus. 1,832,893; Nov. 24.
Chevrette, Augustin J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Combined shuttle feeler and thread cutter. 1,811,425; June 23.
Chevrette, Augustin J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector controlling device. 1,811,426; June 23.
Chevrette, Augustin J., assignor to Crompton & Knowles Loom Works, Worchester, Mass. Weft detector for looms. 1,832,530; Nov. 17.
Chevrette, Augustin J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle changing loom. 1,834,302; Dec. 1.
Chevrier, Zotique, Masenod, Saskatchewan, Canada. Wagon end gate mounting. 1,807,084; May 26.
Chew, Yee L., Gopeng, Perak, Federated Malay States. Wrench. 1,829,473; Oct. 27.
Chiappa, Jose, and M. Bernasconi, Buenos Aires, Argentina. Keyboard device for illuminating luminous signals for motor cars, motor trucks, and other similar vehicles. 1,838,742; Dec. 29.
Chiapparelli, Albert. (See Penza, Frederick, assignor.)
Chibnik, Harry, assignor of one-half to W. S. Reese, Sioux Falls, S. Dak. Auxiliary plowshares. 1,799,003; Mar. 31.
Chicago Bridge and Iron Company. (See Bailey, Ottohein A., assignor.)
Chicago Bridge & Iron Company. (See Boardman, Harry C., assignor.)
Chicago Bridge & Iron Co. (See Day, C. L., and McDonald, assignors.)
Chicago Cardboard Company. (See Ziemmerman, Henry, assignor.)
Chicago Carton Company. (See Hayes, Charles G., assignor.)
Chicago-Cleveland Car Roofing Company. (See Swanson, Earl R., assignor.)
Chicago Electric Manufacturing Co. (See Preston, Edward S., assignor.)
Chicago Faucet Company, The. (See Steen, Harry S., assignor.)

Chicago Fibre Box Company. (See Gates, Clarence, J., jr., assignor.)
Chicago Flexible Shaft Company. (See Dornseif, Frederic J., assignor.)
Chicago Flexible Shaft Company. (See Gast, George A., assignor.)
Chicago Flexible Shaft Company. (See Jeppsson, Ivar, assignor.)
Chicago Flexible Shaft Company. (See Kocourek, Henry, assignor.)
Chicago Flexible Shaft Company. (See Madsen, Carl T., assignor.)
Chicago Flexible Shaft Company. (See McArdle, M. W., and Browning, assignors.)
Chicago Flexible Shaft Company. (See Wright, Horace C., assignor.)
Chicago Forging & Manufacturing Company. (See Gilmore, Charles B., assignor.)
Chicago Forging & Manufacturing Co. (See Hynes, Dibrell P., assignor.)
Chicago Forging & Manufacturing Co. (See Hynes, D. P., and Johnson, assignors.)
Chicago Forging & Manufacturing Co. (See Hynes, D. P., and Mears, assignors.)
Chicago Forging & Manufacturing Company. (See Mears, Norton A., assignor.)
Chicago, Forging & Manufacturing Co. (See Mears, N. A., and Nynes, assignors.)
Chicago Gymnasium Equipment Company. (See Gross, Elmer J., assignor.)
Chicago Hardware Foundry Company. (See Elsy, Charles A., assignor.)
Chicago Lock Company. (See Shinn, Lyle B., assignors.)
Chicago Lock Company. (See Shinn, William C., assignor.)
Chicago Motor Club. (See Russell, Porter L., assignor.)
Chicago Paving Laboratory, Inc. (See Skidmore, H. W., and Abson, assignors.)
Chicago Pneumatic Tool Company. (See Benedict, William H., assignor.)
Chicago Pneumatic Tool Company. (See Coates, Charles B., assignor.)
Chicago Pneumatic Tool Company. (See Coates, C. B., and Dresser, assignors.)
Chicago Pneumatic Tool Company. (See Collins, Anthony H., assignor.)
Chicago Pneumatic Tool Company. (See Connor, Frank, assignor.)
Chicago Pneumatic Tool Company. (See Davenport, Ransom W., assignor.)
Chicago Pneumatic Tool Company. (See Harcourt, George T., assignor.)
Chicago Pneumatic Tool Company. (See Knutson, Martin O., assignor.)
Chicago Pneumatic Tool Company. (See Meunier, Leon F., assignor.)
Chicago Pneumatic Tool Company. (See Meunier, L. F., and Dresser, assignors.)
Chicago Pneumatic Tool Company. (See Nell, Gustave M., assignor.)
Chicago Pneumatic Tool Company. (See Nickerson, Ira L., assignor.)
Chicago Pneumatic Tool Company. (See Reed, Clarence E., assignor.)
Chicago Pneumatic Tool Company. (See Stevens, Edward W., assignor.)
Chicago Pneumatic Tool Company. (See Wasson, Harry C., assignor.)
Chicago Pump Company. (See McCarthy, Edward F., assignor.)
Chicago Railway Equipment Company. (See Moore Ambrose C., assignor.)
Chicago Rawhide Manufacturing Co. (See Clark, Harold A., assignor.)
Chicago Roll Screen Company. (See Oldham, Nile, assignor.)
Chicago Roller Skate Company. (See Ware, Robert R., assignor.)
Chicago Spring Hinge Company. (See Keene, William J., assignor.)
Chicago Surgical & Electrical Co. (See Lidberg, Tiodolf, assignor.)
Chicago Telephone Supply Company. (See Schellenger, Newton C., assignor.)
Chicago Transformer Corporation. (See Helgason, A., and Knuth, assignors.)
Chicago Transformer Corporation. (See Leidy, Wilmer J., assignor.)
Chidester, John H., Chatham, N. J. Projecting apparatus. 1,794,147; Feb. 24.
Chidley, Alfred T., Arlington Heights, assignor to Union Special Machine Company, Chicago, Ill. Presser foot for sewing machines. 1,820,438; Aug. 25.
Chiffey, Edward. (See George, J. I., and Chiffey.)
Chiksan Oil Tool Co. (See Kubin, V. J., and Funderburk, assignors.)
Childress, Donal, assignor of one-half to H. L. Frieze and one-half to P. E. Morgan, Gaffney, S. C. Loom mechanism. 1,797,046; Mar. 17.
Childress, H. J., et al. (See Sparks, Jay G., assignor.)
Childress, M., et al. (See Sparks, Jay G., assignor.)
Childs, Charles E. (See Rice, C. T., and Childs.)
Childs, William L., assignor to Reed Roller Bit Company, Houston, Tex. Roller cutter. 1,799,676; Apr. 7.
Childs, William L., assignor to Reed Roller Bit Company, Houston, Tex. Roller cutter. 1,824,329; Sept. 22.
Chiles, George S. (See Dreibuss, H. C., and Chiles.)
Chiles, George S., assignor to Scullin Steel Company, St. Louis, Mo. Grab iron or ladder rung. 1,813,114; July 7.
Chillingworth, Rudolph, Brooklyn, N. Y. Aeroplane. 1,798,141; Mar. 31.
Chillingworth, Rudolph, Brooklyn, N. Y. Helicopter. 1,824,195; Sept. 22.
Chillingworth, Rudolph, New York, N. Y. Aeroplane. 1,825,305; Sept. 29.
Chilofsky, Joseph, Philadelphia, Pa. Electrician's tool. 1,793,679; Feb. 24.
Chilowsky, Constantin, Paris, France. Method and device for establishing communication between aircraft in full flight and the ground. 1,829,474; Oct. 27.
Chilson, Herbert I. (See Smith, M. J., and Chilson.)
Chilson, Lewis S., assignor to J. M. Fisher Company, Attleboro, Mass. Toy pistol. 1,794,364; Mar. 3.
Chilton, Jasper S., Ararat, N. C. Fertilizer distributor. 1,788,984; Jan. 13.
Chilton Pen Company, The. (See Berry, Edward C., assignor.)
Chilton Pen Company, The. (See Larmour, James J., assignor.)
Chilton, Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. Rubber spring shackle. 1,789,725; Jan. 20.
Chilton, Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. V-type transmission belt. 1,789,726; Jan. 20.
Chilton, Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. Spring shackle. 1,789,727; Jan. 20.
Chilton, Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. Rubber spring shackle. 1,792,070; Feb. 10.
Chilton, Ralph H., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,805,684; May 19.
Chilton, Ralph H., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,827,807; Oct. 20.
Chilton, Ralph H., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,827,808; Oct. 20.
Chilton, Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. Storage battery. 1,828,393; Oct. 20.
Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Gear train for starters or the like. 1,789,169; Jan. 13.
Chilton, Roland, assignor, by mesne assignments, to Aeromarine Plane & Motor Company, Inc., Keyport, N. J. Airplane control. 1,803,498; May 5.
Chilton, Roland, assignor, by mesne assignments, to Aeromarine Plane & Motor Company, Inc., Keyport, N. J. Airplane control. 1,808,342; June 2.
Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Transmission. 1,830,349; Nov. 3.
Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Splined connection. 1,803,995; May 5.
China American Tobacco Company. (See Saunders, J. H., and Williford, assignors.)
Chinich, Nettie, Newark, N. J. Safety device for fire escapes. 1,819,073; Aug. 18.
Chiniewicz, Peter, Detroit, Mich. Ventilator. 1,789,135; Jan. 13.
Chioli, Angelo., et al. (See Maile, Michael, assignor.)
Chipman, Andrew L. (See Chipman, Harry E., assignor.)
Chipman, Harry E., Springfield, Mass., assignor, by mesne assignments, to A. L. Chipman, New York, N. Y. Talking motion picture film and making same. 1,832,097; Nov. 17.
Chipman, Paul, assignor of one-half to F. H. Alfred, Detroit, Mich. Anchorage means for track rails and the like. 1,789,459; Jan. 20.
Chireix, Henri, Paris, France. Electrical signaling. 1,789,303; Jan. 20.
Chireix, Henri, Paris, France. Heterodyne receiving apparatus. 1,794,365; Mar. 3.
Chireix, Henri, assignor to Societe Francaise Radio Electrique, Paris, France. Recording apparatus for wire and wireless telegraphy. 1,809,821; June 16.
Chireix, Henri, assignor to Societe Francaise Radio Electrique, Paris, France. Loud speaker. 1,838,743; Dec. 29.
Chirelstein, Harry, assignor to Belmont Clock Company, Chicago, Ill. Clock case. Des. 85,573; Nov. 17.
Chirelstein, Nathan. (See Weisberg, Sidney M., assignor.)
Chirol, Maurice, Paris, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Montrouge, Seine, France. Electromechanical resonating device. 1,834,681; Dec. 1.
Chisholm, Charles F., Staten Island, N. Y. Combating sleet on airplanes. 1,819,497; Aug. 18.
Chisholm, Charles F., Staten Island, N. Y. Amplifying method and apparatus. 1,837,851; Dec. 22.
Chisholm, Clifton, assignor, by mesne assignments, to The American Multigraph Co., Cleveland, Ohio. Type case. 1,800,505; Apr. 14.

Chisholm, Jolliette E., Portland, Oreg. Ice cream scoop. 1,826,651; Oct. 6.
Chisholm, Lester B., assignor to The American Mills Company, Waterbury, Conn. Antislip fabric. 1,811,843; June 30.
Chisholm, Lester B., assignor to The American Mills Company, Waterbury, Conn. Anchoring the elastic strands of elastic fabrics. 1,826,240; Oct. 6.
Chisholm, Theodore L. (See Schmieding, W. H. F., and Chisholm.)
Chisholm, Theodore L., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,827,809; Oct. 20.
Chisholm, William D. (See Ryder, F. P., and Chisholm.)
Chison, John, Elm Grove, W. Va. Safety device for boats. 1,809,675; June 9.
Chittenden, George I., Lakewood, Ohio. Wheelbarrow. 1,823,816; Sept. 15.
Chittick, Kenneth A. (See Carlson, W. L., and Chittick.)
Chittick, Martin B., assignor to The Pure Oil Company, Chicago, Ill. Concrete waterproofing compound. 1,814,292; July 14.
Chittim, Carl C., Springfield, Mo. Folding double cot. 1,815,495; July 21.
Chladek, Joseph F., Niobrara, Nebr. Hay stacker. 1,809,178; June 9.
Chlapowski, Peter P. (See Chlapowski, Stanislaw J. and P. P.)
Chlapowski, Stanislaw J., Gardner, and P. P. Chlapowski, Webster, Mass. Heating device. 1,828,644; Oct. 20.
Chmelar, Joseph M., St. Louis, Mo. Ice-cube tray. 1,800,133; Apr. 7.
Choate, Rufus, Washington, D. C. Food carton. 1,837,652; Dec. 22.
Chobanoff, Peter, Elyria, Ohio. Fishing net float. 1,836,836; Dec. 15.
Chocolat Tobler Holding Co., Aktiengesellschaft. (See Schäffer, Werner, assignor.)
Choice, Frank C. (See Read, I. L., and Choice.)
Cholerton, Alfred F., et al. (See Lee, John E., assignor.)
Chomette, Charles, Long Island City, assignor to Chomette Company, Inc., New York, N. Y. Hair wave pin clip. 1,802,310; Apr. 21.
Chomette Company. (See Chomette, Charles, assignor.)
Chong, Jue L., S. L. Chong, and L. L. Chong, Isleton, Calif. Cutting tool unit for ground working implements. 1,816,210; July 28.
Chong, Look L. (See Chong, Jue L., S. L., and L. L.)
Chong, Sam L. (See Chong, J. L., S. L., and L. L.)
Choran, Joe, Kenosha, Wis. Amusement toy. 1,797,129; Mar. 17.
Chorley, Percy. (See Brightman, R., and Chorley.)
Chorlton, Alan E. L., London, England. Internal combustion engine control mechanism. 1,807,384; May 26.
Chorlton, Alan E. L., R. A. de H. Haig, and H. J. Stieger, London, England. Light-weight rigid structure. 1,798,064; Mar. 24.
Chorlton, Frank O. L., Bury, England. Expansible V-pulley drive. 1,819,227; Aug. 18.
Chormann, Otto I., Rochester, N. Y., and J. N. Jacobsen, Alameda, Calif., assignors to The Pfaudler Co., Rochester, N. Y. Liquid treating apparatus. 1,825,443; Sept. 29.
Chott, Edward L., Chicago, Ill. Weighing scale. 1,793,276; Feb. 17.
Chouinard, Oscar, assignor to Motion Picture Improvements, Inc., New York, N. Y. Method of and apparatus for producing motion picture films. 1,827,282; Oct. 13.
Choy, Tse T., Honolulu, Hawaii. Heater for shaping woods. 1,795,475; Mar. 10.
Chretien, Henri, St. Cloud, France. Taking and projection of motion pictures and films therefor. 1,829,634; Oct. 27.
Chretien, Henri, St. Cloud, assignor to Societe Anonyme Francaise dite Societe Technique D'Optique et de Photographie (S. T. O. P.), St. Ouen, France. Taking or projecting photographic or cinematographic panoramic views or views extending in height. 1,829,633; Oct. 27.
Chretien, Henri, St.-Cloud, assignor to Societe Anonyme Francaise dite: Societe Technique D'Optique et de Photographie (S. T. O. P.) St.-Ouen, France. Obtaining highly luminous photographs. 1,838,173; Dec. 29.
Chrisman, Charles S., West Chester, assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Vertical fire tube boiler. 1,812,513; June 30.
Chrisman, Charles S., West Chester, assignor to The United Gas Improvement Company, Philadelphia, Pa. Gas generator. 1,824,764; Sept. 29.
Chrisman, Harold G. (See Wary, D. L., and Chrisman.)
Chrisman, Horace, Edgewood, assignor, by mesne assignments, to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Meter. 1,799,546; Apr. 7.
Chrisman, Horace, Swissvale, assignor, by mesne assignments, to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Demand meter. 1,826,272; Oct. 6.
Chrisman, Horace, and A. D. MacLean, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Reduction gearing. 1,831,903; Nov. 17.
Chrisman, Horace, and J. T. Madison, assignors, by mesne assignments, to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Fluid meter. 1,816,697; Aug. 4.
Chrispell, William A., Nichols, N. Y. Mail box attachment. 1,832,690; Nov. 17.
Christ, Xavier, et al. (See Louvier, Marius L., assignor.)
Christastie, Joseph E., Elmira, N. Y. Electric star. 1,792,676; Feb. 17.
Christen, John E., San Rafael, Calif. Bumper. 1,832,184; Nov. 17.
Christensen, Alfred C., Chicago, Ill. Speed reducing pulley. 1,836,225; Dec. 15.
Christensen, Alfred H. L., assignor to Otto H. Dräger, Lubeck, Germany. Device for feeding additional oxygen to freely portable breathing implements. 1,823,785; Sept. 15.
Christensen, Carl T. (See Bales, J. E., and Christensen.)
Christensen, Carl T., Aurora, Ill., assignor to All-Steel-Equip Company. Furniture. 1,806,610; May 26.
Christensen, Chester W. (See North, C. O., and Christensen.)
Christensen, Christen, assignor to Electrical Engineers Equipment Company, Chicago, Ill. Switch lock. 1,826,733; Oct. 13.
Christensen, Christen, assignor to Electrical Engineers Equipment Company, Chicago, Ill. Switch. 1,826,734; Oct. 13.
Christensen, Godfrey, assignor to Golden State Milk Products Company, San Francisco, Calif. Case washing machine. 1,815,239; July 21.
Christensen, Hans K., and L. J. Bennett, Fort Atkinson, Wis. Temperature-treating apparatus for fluids. 1,798,725; Mar. 31.
Christensen, Holger C., Waukegan, Ill. Window construction. 1,820,346; Aug. 25.
Christensen, John A. (See Rodet, P. M., Christensen, and Grieve.)
Christensen, Michael J. (See Phillips, C. I., and Christensen.)
Christensen, Niels A., Cleveland, Ohio. Brake-operating apparatus. 1,787,613; Jan. 6.
Christensen, Niels A., Cleveland, Ohio. Brake-operating mechanism. 1,787,614; Jan. 6.
Christensen, Niels A., Cleveland, Ohio. Compressor-valve mechanism. 1,796,440; Mar. 17.
Christensen, Niels A., Cleveland, Ohio. Brake mechanism. 1,812,037; June 30.
Christensen, Niels A., Cleveland, Ohio. Locking means for fluid pressure brakes. 1,823,588; Sept. 15.
Christensen, Niels A., Cleveland, Ohio. Vehicle brake. 1,823,589; Sept. 15.
Christensen, Niels A., Cleveland, Ohio. Clutch-operating mechanism. 1,823,590; Sept. 15.
Christensen, Niels A., Milwaukee, Wis. Brake apparatus. 1,807,151; May 26.
Christensen, Niels A., Milwaukee, Wis. Vehicle braking apparatus. 1,812,036; June 30.
Christensen, Neils C., Salt Lake City, Utah. Precipitating metals from solutions as sulphides. 1,793,906; Feb. 24.
Christensen, Niels C., Salt Lake City, Utah. Method and apparatus for spraying fluid pulps. 1,803,792; May 5.
Christensen, Norman F., assignor to Union Special Machine Company, Chicago, Ill. Tension release for sewing machines. 1,823,817; Sept. 15.
Christensen, Norman V., Chicago, Ill. Support for feed-off-the-arm sewing machines. 1,792,361; Feb. 10.
Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Feed-off-the-arm sewing machine. Re17,988; Mar. 3.
Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Oiling system for sewing machines. 1,788,859; Jan. 13.
Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Seam for sewed articles. 1,822,799; Sept. 8.
Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Oiling system for sewing machines. 1,825,506; Sept. 29.
Christensen, Peder J., Aalborg, Denmark. Doll's head with variable features. 1,790,743; Feb. 3.
Christensen, Peter, Kingsville, Tex. Well drilling bit set. 1,836,703; Dec. 15.
Christenson Gust J., assignor to Locomotive Firebox Company, Chicago, Ill. Thermic siphon and making the same. 1,800,506; Apr. 14.
Christenson Gust J., assignor to Locomotive Firebox Company, Chicago, Ill. Thermic siphon and making the same. 1,800,507; Apr. 14.
Christian, George B. (See Hankins, C., and Christian.)
Christian, George B. (See Wine, W. E., and Christian.)
Christian, Herbert W., Windsor, Ontario, Canada. Electric water heater. 1,829,785; Nov. 3.
Christian, Kuno, Bed Soden on Taunus, Germany. Varnishing and printing machine for bands. 1,812,514; June 30.
Christians, George W., Chattanooga, Tenn. Process and apparatus for sealing construction and expansion joints. 1,814,127; July 14.
Christians, George W., Chattanooga, Tenn. Apparatus for sealing crevices in rock formations or the like. 1,820,347; Aug. 25.
Christiansen, Bror, Smedjebacken, Sweden. Agglomerating pulverulent ores. 1,792,413; Feb. 10.
Christiansen, Christian, assignor to Rotary Machine Company, Lynn, Mass. Folding machine. 1,808,158; June 2.
Christiansen, Ejnar, assignor of one-half to C. O. Ericsson, Birmingham, England. Machine for molding pie casings. 1,813,907; July 14.

Christiansen, Hans, assignor to Geo. J. Kelly, Inc., Lynn, Mass. Gas lighter and the like. 1,835,142; Dec. 8.
Christiansen, Hans, assignor to Geo. J. Kelly, Inc., Lynn, Mass. Gas lighter and the like. 1,835,143; Dec. 8.
Christiansen, Niels, Newport News, Va., assignor of one-half to Charles H. Shepler, Ridley Park, Pa. Power plant. 1,826,273; Oct. 6.
Christiansen, Walter G., Bloomfield, and R. Van Winkle, Passaic, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Treatment and packaging of ether. 1,813,664; July 7.
Christianson, Andrew, Butler, assignor to Standard Steel Car Corporation, Pittsburgh, Pa. Railroad car. 1,835,468; Dec. 8.
Christianson, August, Brooklyn, N. Y. Assisting persons in swimming, etc. 1,788,013; Jan. 6.
Christianson, Neales P., Los Angeles, Calif. Apparatus for launching planes. 1,803,320; May 5.
Christianson, Raynard, Pittsburgh, Pa., assignor to The Koppers Company. Coke-oven-door machine. 1,793,456; Feb. 24.
Christie, Howard E., and K. W. Couse, Bronx, N. Y. Manufacturing hydrometer floats. 1,813,384; July 7.
Christie, Howard E., and K. W. Couse, Bronx, N. Y. Indicator for cooling systems of automobiles. 1,817,676; Aug. 4.
Christie, Hugh K., assignor to Whiting Corporation, Harvey, Ill. Drop pit. 1,802,592; Apr. 28.
Christie, Hugh W., Tulsa, Okla. Gas burner. 1,819,944; Aug. 18.
Christie, James W., Minneapolis, Minn. Furnace. 1,833,047; Nov. 24.
Christie, John, assignor to Eastman Kodak Company, Rochester, N. Y. Camera casing. Des. 82,976; Jan. 6.
Christie, John, assignor to Eastman Kodak Company, Rochester, N. Y. Holding film flat in roll-film cameras. 1,817,965; Aug. 11.
Christie, John, Sunderland, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Oil-jacketed insulator for electric switch-gear and the like. 1,830,870; Nov. 10.
Christie, John A., Akron, Ohio. Golf ball and manufacturing same. 1,812,285; June 30.
Christie, Lewis D., Trumbull, Conn. Socket lining and making same. 1,836,360; Dec. 15.
Christie, Llewellyn M., assignor, by mesne assignments, to National Fireproofing Corporation, Pittsburgh, Pa. Conduit. 1,837,759; Dec. 22.
Christie, Neil, Larder Lake, Ontario, Canada. Power plant. 1,823,190; Sept. 15.
Christie, Stanley P., London, England. Internal combustion pump and prime mover. 1,824,074; Sept. 22.
Christie, Stanley P., London, England. Liquid piston internal combustion pump for liquids. 1,825,507; Sept. 29.
Christie, Vincent J., Scenic, S. Dak. Auto vision curtain. 1,814,293; July 14.
Christie, Walter, Avon, N. J. Suspension for vehicles. 1,836,446; Dec. 15.
Christman, Edward A., assignor to The Faultless Manufacturing Company, Baltimore, Md. Undergarment. 1,822,515; Sept. 8.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Lathe. 1,818,042; Aug. 11.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Machine tool. 1,823,727; Sept. 15.
Christman, John M., assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Painting instrument. 1,830,089; Nov. 3.
Christman, Louis P., assignor to The Inland Manufacturing Company, Dayton, Ohio. Resilient engine mount. 1,800,434; Apr. 14.
Christman, Matthias, Springfield, Mo. Lubricating device. 1,803,746; May 5.
Christman, Peter J., jr., Green Bay, Wis. Mechanism for superimposing sheets of paper. 1,789,965; Jan. 27.
Christman, William E., assignor to Kelley and Heuber, Philadelphia, Pa. Spectacle case. 1,829,736; Nov. 3.
Christmann, Ludwig J. (See Romieux, C. J., and Christmann.)
Christmann, Ludwig J. (See Thomas, G. G., and Christmann.)
Christmann, Ludwig J., assignor to American Cyanamid Company, New York, N. Y. Making esters from nitriles. 1,790,262; Jan. 27.
Christmann, Ludwig J., Jersey City, N. J., assignor to American Cyanamid Company, New York, N. Y. Antioxidant. 1,800,435; Apr. 14.
Christmann, Ludwig J., Jersey City, N. J., assignor to American Cyanamid Company, New York, N. Y. Substituted aryl antitoxidant. 1,806,671; May 26.
Christmann, Ludwig J., Jersey City, N. J., assignor to American Cyanamid Company, New York, N. Y. Tertiary amine antioxidants. 1,825,654; Oct. 6.
Christmann, Ludwig J., Jersey City, N. J., assignor to American Cyanamid Company, New York, N. Y. Carbazol antioxidant. 1,836,702; Dec. 15.
Christmann, Ludwig J., Jersey City, N. J., assignor to American Cyanamid Company, New York, N. Y. Butyl xanthate flotation. 1,837,852; Dec. 22.
Christmann, Ludwig J., Jersey City, and S. A. Falconer, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Flotation recovery of minerals. 1,823,316; Sept. 15.
Christmann, Ludwig J., Jersey City, and D. W. Jayne, jr., Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Secondary butyl xanthates. 1,810,552; June 16.
Christmas, William W., New York, N. Y., assignor, by mesne assignments, to The General Development Company, Hartford, Conn. Flying-wing aeroplane. 1,797,326; Mar. 24.
Christmas, William W., New York, N. Y., assignor, by mesne assignments, to The General Development Company, Hartford, Conn. Flying wing. 1,801,331; Apr. 21.
Christmas, William W., New York, N. Y., assignor, by mesne assignments, to The General Development Company, Hartford, Conn. Aeroplane. 1,806,586; May 26.
Christoff, Vaska, Detroit, Mich. Brassière. 1,825,579; Sept. 29.
Christoffel, John J., Chicago, Ill. Radio tuning means. 1,833,986; Dec. 1.
Christoph, Hans W., assignor of one-half to Amsterdam Brothers, Philadelphia, Pa. Instrument for measuring irregularities of the spine. 1,797,047; Mar. 17.
Christopher, Arthur J. (See Whittle, H., and Christopher.)
Christopher, Carl J., deceased, late of Chicago, Ill., by State Bank of Chicago, executor, Chicago, Ill. Dental bite plate. 1,791,796; Feb. 10.
Christopher, Frank E., Morgantown, assignor to Continental Coal Company, Fairmont, W. Va. Loading machine. 1,832,965; Nov. 24.
Christopher, Philip H., Fairmont, W. Va. Combination refrigerator and show case. 1,804,914; May 12.
Christopher, Philip H., Fairmont, W. Va. Ice cabinet. 1,828,996; Oct. 27.
Christophersen, Herbert, East Orange, N. J., assignor to Revere Rubber Company, Chelsea, Mass. Preventing electrolytic action. 1,798,305; Mar. 31.
Christopherson, Alfred C., assignor to Hacker Manufacturing Co., Chicago, Ill. Implement for marking objects. 1,800,209; Apr. 14.
Christopherson, William G., Grosse Pointe Park, assignor to Morgan & Wright, Detroit, Mich. Joint and making the same. 1,828,925; Oct. 27.
Christy, Albert B. (See Bleecker, Edsell T., assignor.)
Christy, Anker L., Chicago, Ill., assignor to Gyro Process Company, Detroit, Mich. Tubular oil heater. 1,830,505; Nov. 3.
Christy, Fred, et al. (See Bolen, Jesse T., assignor.)
Christy, Katie D., et al. (See Bolen, Jesse T., assignor.)
Christy, Robert T., New York, N. Y., assignor to The Kurlash Company, Inc., Rochester, N. Y. Holder or appliance for cosmetics or the like. Des. 85,162; Sept. 22.
Christy, Robert T., New York, assignor to The Kurlash Company, Inc., Rochester, N. Y. Holder or appliance for cosmetics and the like. 1,821,141; Sept. 1.
Chrobaltic Tool Company. (See Sullivan, William B., assignor.)
Chromeplate, Inc. (See Hahn, Oskar, assignor.)
Chromeplate, Inc. (See Lichtman, Louis, assignor.)
Chromium Corporation of America. (See Bohlman, Walter S., assignor.)
Chrysler Corporation. (See Baker, Joseph A., assignor.)
Chrysler Corporation. (See Bowlus, Claude A., assignor.)
Chrysler Corporation. (See Breer, Carl, assignor.)
Chrysler Corporation. (See Campbell, Elba E., assignor.)
Chrysler Corporation. (See Clark, Albert E., assignor.)
Chrysler Corporation. (See Clark, Oliver H., assignor.)
Chrysler Corporation. (See Cochrane, Walter S., assignor.)
Chrysler Corporation. (See Cripps, Albert A., assignor.)
Chrysler Corporation. (See Delahanty, Edward J., assignor.)
Chrysler Corporation. (See De Vlieg, Ray A., assignor.)
Chrysler Corporation. (See Henderson, Herbert V., assignor.)
Chrysler Corporation. (See Hottel, Ray, assignor.)
Chrysler Corporation. (See Jenkins, W. J., and Bauroth, assignors.)
Chrysler Corporation. (See Kincaid, Russell M., assignor.)
Chrysler Corporation. (See Lee, Roger K., assignor.)
Chrysler Corporation. (See Macauley, John B., jr., assignor.)
Chrysler Corporation. (See Maynard, Howard E., assignor.)
Chrysler Corporation. (See Selje, Frederick A., assignor.)
Chrysler Corporation. (See Syrovy, A. J., and Janeway, assignors.)
Chrysler Corporation. (See Webb, Edmond F., assignor.)
Chrysler Corporation. (See Woolson, Harry T., assignor.)
Chrysler Corporation. (See Woolson, H. T., and Burgess, assignors.)
Chrysler Corporation. (See Zeder, J. C., and Bratz, assignors.)
Chryst, William A. (See Elsey, G. W., and Chryst.)
Chryst, William A., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,791,192; Feb. 3.

Chryst, William A., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,791,193; Feb. 3.

Chryst, William A., assignor, by mesne assignments, to Delco-Products Corporation, Dayton, Ohio. Shock absorber. 1,792,071; Feb. 10.

Chryst, William A., Dayton, Ohio, assignor to Delco-Remy Corporation, Anderson, Ind. Ignition apparatus. 1,792,072; Feb. 10.

Chryst, William A., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,797,755; Mar. 24.

Chryst, William A., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,800,508; Apr. 14.

Chryst, William A., assignor by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Hydraulic shock absorber of double acting opposed cylinder type. 1,801,587; Apr. 21.

Chryst, William A., assignor to Delco-Remy Corporation, Dayton, Ohio. Centrifugal clutch. 1,806,332; May 19.

Chryst. William A., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,806,333; May 19.

Chryst, William A., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,807,620; June 2.

Chryst, William A., assignor to Delco-Remy Corporation, Dayton, Ohio. Engine starting apparatus. 1,807,772; June 2.

Chryst, William A., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Engine starting apparatus. 1,814,241; July 14.

Chryst, William A., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Electric motor. 1,814,243; July 14.

Chryst, William A., assignor to Delco-Remy Corporation, Dayton, Ohio. Ignition apparatus. 1,815,496; July 21.

Chryst, William A., Dayton, Ohio, assignor, by mesne assignments, to L. G. S. Devices Corporation, Indianapolis, Ind. Electric motor and friction clutch therefor. 1,826,054; Oct. 6.

Chryst, William A., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,828,357; Oct. 20.

Chryst, William A., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,828,358; Oct. 20.

Chryst, William A., Dayton, Ohio, assignor to Delco-Remy Corporation, Anderson, Ind. Engine starting apparatus. 1,828,359; Oct. 20.

Chryst, William A., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,828,360; Oct. 20.

Chryst, William A., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,828,394; Oct. 20.

Chryst. William A., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,833,987; Dec. 1.

Chryst, William A., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,835,013; Dec. 8.

Chryst, William A., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,836,447; Dec. 15.

Chryst, William A., Dayton, Ohio, and J. L. Arthur, Anderson, Ind., assignors to Delco-Remy Corporation, Dayton, Ohio. Ignition apparatus. 1,798,726; Mar. 31.

Chryst, William A., Dayton, Ohio, and R. I. Bates, Anderson, Ind., assignors to Delco-Remy Corporation, Dayton, Ohio. Ignition coil. 1,792,730; Feb. 17.

Chryst, William A., Dayton, Ohio, and H. E. Norviel, Anderson, Ind., assignors to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,814,242; July 14.

Chryst, William A., and H. C. Walters, Dayton, Ohio, assignors to Delco-Remy Corporation, Anderson, Ind. Ignition timer and fuel pump unit. 1,807,650; June 2.

Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Method of and apparatus for percussive welding. Re17,949; Feb. 3.

Chubb, Lewis W., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Selective coupling for radio systems. 1,792,276; Feb. 10.

Chubb, Lewis W., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Street-lighting relay. 1,795,009; Mar. 3.

Chuchta, John, Olyphant Borough, Pa. Invalid car. 1,815,968; July 28.

Chucto, Theodore, Rockaway Beach, N. Y. Plier for cutting and scraping insulations from wires. 1,805,276; May 12.

Chudley, Leslie J., Oceanside, Calif. Automatic spool control for fishing reels. 1,821,461; Sept. 1.

Chumbley, Frederick, Franklin, Mo. Scarf muff. 1,797,226; Mar. 24.

Chumos, Constantine G. (See Collins, Robert E., assignor.)

Church, Albert E., New Britain, Conn. Chuck. 1,790,744; Feb. 3.

Church, Albert E., New Britain, Conn. Chuck. 1,807,385; May 26.

Church, Alfred E. (See Beckley, W. R., Church, and Merkel.)

Church, Benjamin, jr., assignor to Wallingford Company. Wallingford, Conn. Insulator for handled vessels. 1,799,782; Apr. 7.

Church, C. F., Mfg. Co. (See Carmichael, William A., assignor.)

Church, George T., Chertsey, England. Electrical heating apparatus particularly for use with incubators. 1,832,532; Nov. 17.

Church, Harold D., Cleveland Heights, assignor to The White Motor Company, Cleveland, Ohio. Universal joint. 1,788,083; Jan. 6.

Church, Harold D., assignor to The White Motor Company, Cleveland, Ohio. Valve actuating mechanism. 1,820,299; Aug. 25.

Church, Harold D., assignor to The White Motor Company, Cleveland, Ohio. Clutch brake. 1,820,961; Sept. 1.

Church, Harold D., Cleveland Heights, assignor to The White Motor Company, Cleveland, Ohio. Motor vehicle radiator. 1,827,781; Oct. 20.

Church, Harold D., Cleveland Heights, assignor to The White Motor Company, Cleveland, Ohio. Differential carrier. 1,828,025; Oct. 20.

Church, Harold D., assignor to The White Motor Company, Cleveland, Ohio. Automobile. 1,829,506; Oct. 27.

Church, James S., Brookline, Mass. Cable tractor. 1,804,148; May 5.

Church, John W., Carnegie, Pa. Making precipitated silica. 1,819,356; Aug. 18.

Church, Lewis H., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,787,667; Jan. 6.

Church, Lewis H., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,787,668; Jan. 6.

Church, Lewis H., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable-connecter coupler. 1,793,883; Feb. 24.

Church, Lewis H., Roselle, assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,793,884; Feb. 24.

Church, Lewis H., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,799,783; Apr. 7.

Church, Lewis H., assignor to The Thomas & Betts Co., Elizabeth, N. J. Pipe coupler. 1,809,582; June 9.

Church, Lewis H., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,816,667; July 28.

Church, Lewis H., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,816,668; July 28.

Church, Lewis H., Roselle, assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,816,669; July 28.

Church, Lewis H., assignor to The Thomas & Betts Co., Elizabeth, N. J. Capped elbow. 1,816,670; July 28.

Church, Lewis H., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,833,988; Dec. 1.

Church, Lloyd E., Burnett Ranch, Tex. Toothbrush. 1,796,001; Mar. 10.

Church, Maynard D., assignor to Moore Steam Turbine Corporation, Wellsville, N. Y. Elastic fluid turbine power installation. 1,811,302; June 23.

Church, Maynard D., assignor to Moore Steam Turbine Corporation, Wellsville, N. Y. Anticlog control for pumps. 1,834,333; Dec. 1.

Church, Robert J. G., Detroit, Mich. Tootbrush. 1,820,439; Aug. 25.

Church, Walter L. (See Nixon, J. D., and Church.)

Church, Walter L., Houston, Tex. Casing head for oil and gas wells. 1,828,555; Oct. 20.

Church, Walter L., Houston, assignor of one-half to W. L. Pearce, Harris County, Tex. Pipe cutter. 1,810,344; June 16.

Churcher, William B., assignor to The Glenn L. Martin Co., Baltimore, Md. Vehicle wheel. 1,797,545; Mar. 24.

Churcher, William B., Cleveland, Ohio, assignor to The White Motor Company. Electrical controller system. 1,830,640; Nov. 3.

Churchill, Elias A., Brandon, Manitoba, Canada. Curling iron heater. 1,809,510; June 9.

Churchill, Harold E., assignor to The Studebaker Corporation, South Bend, Ind. Spring support. 1,793,277; Feb. 17.

Churchill Machine Tool Company Limited, The. (See Asbridge, Harry H., assignor.)

Churchill, Ralph H., Chicago, Ill. Advertising display board. 1,827,731; Oct. 20.

Churchill, Robert, London, England. Double-barrel gun. 1,835,469; Dec. 8.

Churruca, Ignacio. (See Chavara, M., and Churruca.)

Churus, George P., New York, N. Y. Rocking figure toy. 1,813,277; July 7.

Chvojka, Joseph, Philadelphia, Pa. Pan greasing machine. 1,809,581; June 9.

Cicali, Giovanni, Bologna, Italy. Obtaining substantially pure hydrogen. 1,807,897; June 2.

Ciciotti, Andrea, assignor of one-half to A. Santarelli, Rochester, N. Y. Clarinet construction. 1,827,069; Oct. 13.

Cicourel, Joseph, New York, N. Y. Key head cover. 1,837,114; Dec. 15.

Ciglia, Ernesto F., Scarsdale, and L. F. Pelletier, East Bronx, N. Y., assignors of one-fourth to W. W. Irwin, New York, and one-fourth to V. von Schlegell, White Plains, N. Y. Carburetor. 1,825,384; Sept. 29.

Cihak, Frank W. and W. D., Creston, Iowa. Folding harrow evener. 1,812,138; June 30.
Cihak, W. D. (See Cihak, F. W., assignor.)
Cilley, Osborn H., Manheim, assignor to United States Asbestos Co., Manheim, Pa. Asbestos insulating tape. 1,803,840; May 5.
Cina, Elias A., trustee. (See Struthers, Joshua, assignor.)
Cinadr, Frank A., Moulton, Tex. Garment bag support. 1,806,521; May 19.
Cinch Manufacturing Corporation. (See Kimbell, Arthur W., assignor.)
Cinch Manufacturing Corporation. (See Knutson, C. L., Roby, and Kimbell, assignors.)
Cinch Manufacturing Corporation. (See Peters, Arthur C., assignor.)
Cincinnati Advertising Products Company, The. (See Mattman, Gustave F., assignor.)
Cincinnati Advertising Products Company, The. (See Thies, Samuel, assignor.)
Cincinnati Ball Crank Company, The. (See Butler, Clyde G., assignor.)
Cincinnati Ball Crank Company, The. (See Harris, Cleo, assignor.)
Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)
Cincinnati Bickford Tool Company, The. (See Williamson, Larkin R., assignor.)
Cincinnati Car Corporation, The. (See Elliott, J. H., and Norbom, assignors.)
Cincinnati Galvanizing Company, The. (See Schott, George M., assignor.)
Cincinnati Grinders Incorporated. (See Binns, George W., assignor.)
Cincinnati Grinders Incorporated. (See Binns, G. W., Arches, and Nenninger, assignors.)
Cincinnati Grinders Incorporated. (See Binns, G. W., and Booth, assignors.)
Cincinnati Grinders Incorporated. (See Booth, Clement, assignor.)
Cincinnati Grinders Incorporated. (See Caster, John E., assignor.)
Cincinnati Grinders Incorporated, The. (See Caster, J. E., and Nenninger, assignors.)
Cincinnati Grinders Incorporated. (See Einstein, Sol., assignor.)
Cincinnati Grinders Incorporated. (See Elfring, J. B., and Schiele, assignors.)
Cincinnati Grinders Incorporated. (See Haas, Fred S., assignor.)
Cincinnati Grinders Incorporated. (See Holmes, Harold W., assignor.)
Cincinnati Grinders Incorporated. (See Hopkins, Cecil W., assignor.)
Cincinnati Grinders Incorporated. (See Johnston, George V., assignor.)
Cincinnati Grinders Incorporated. (See Lundgreen, Bruno, assignor.)
Cincinnati Grinders Incorporated. (See Mershon, Ralph, assignor.)
Cincinnati Grinders Incorporated. (See Nenninger, Lester F., assignor.)
Cincinnati Grinders Incorporated. (See Peaslee, Willetts, assignor.)
Cincinnati Grinders Incorporated. (See Shriver, Edward A., assignor.)
Cincinnati Grinders Incorporated. (See Theler, Frederick J., assignor.)
Cincinnati Milling Machine Company, The. (See Armitage, J. B., Kearney, Graves, and Nenninger, assignors.)
Cincinnati Milling Machine Company, The. (See Blood, Louis H., assignor.)
Cincinnati Milling Machine Company, The. (See Einstein, Sol., assignor.)
Cincinnati Milling Machine Company, The. (See Ernst, Hans, assignor.)
Cincinnati Milling Machine Company, The. (See Ernst, H., and Nenninger, assignors.)
Cincinnati Mine Machinery Company, The. (See Stenger, E. P., and J. R. and F. Cartlidge, assignors.)
Cincinnati Patent Engineering Company, The. (See Melish, Thomas G., assignor.)
Cincinnati Time Recorder Company, The. (See Streckfuss, Elmer G., assignor.)
Cincinnati Victor Company, The. (See Spear, Walter A., assignor.)
Cinderella Washing Machine Company, The. (See Barker, Percy E., assignor.)
Cinema Patents Company. (See Thompson, Frederick B., assignor.)
Cinquini, Egisto, Whitneyville, Conn. Light holder for windows. 1,813,911; July 14.
Ciomei, Lido, Chicago, Ill. Circuit-closing apparatus. 1,797,139; Mar. 10.
Ciotta, John, New York, N. Y. Fusible element for electric fixture sockets. 1,810,071; June 16.
Cipra, William J., Cleveland, Ohio. Noise producing toy. 1,805,566; May 19.
Cipriano, Gandolfo, Dongan Hills, N. Y. Hat press. 1,819,592; Aug. 18.
Ciraolo, Antonio, Oakland, Calif. Ignition device. 1,806,574; May 19.
Ciraolo, Ferdinand A., assignor of one-half to J. S. Basher, Oakland, Calif. Electrode box. 1,817,543; Aug. 4.
Ciraolo, Ferdinand A., and J. S. Basher, Oakland, Calif. Adjustable insulator support. 1,806,575; May 19.
Circle F Mfg. Co. (See Petersen, Carl M., assignor.)
Ciriacono, Giacomo. (See De Simone, L., and Ciriacono.)
Cirignani, Frank, Chicago, Ill. Fruit press. 1,801,487; Apr. 21.
Cisler, John J., Niles, Mich. Closure check and retention device. 1,789,644; Jan. 20.
Cissell, William M., Providence, R. I. Flatiron. 1,799,281; Apr. 7.
Ciszewski, Joseph B. (See Wroclawski, Valenty, assignor.)
Citrano, Louis, Huntsville, Ala. Stitch picking device. 1,828,764; Oct. 27.
City Machine & Tool Company, The. (See Ireland, George E., assignor.)
Cizek, John V., Clutier, Iowa. Power attachment for motor cars. 1,792,143; Feb. 10.
Cizek, Vojtech, Astoria, N. Y. Internal-combustion engine. 1,790,198; Jan. 27.
Claar, Harry Watson, assignor to Deere & Company, Moline, Ill. Lime spreading attachment for manure spreaders. 1,820,528; Aug. 25.
Claassen, D. (See Freerksen, John J., assignor.)
Clacson, Anders, Lewis Run, Pa. Pump jack. 1,794,443; Mar. 3.
Claff, C. Lloyd, administrator. (See Claff, Mark B.)
Claff, Mark B., deceased; C. L. Claff, Randolph, Mass., administrator. Making paper boxes. 1,836,837; Dec. 15.
Claghorn, Clarence R., Baltimore, Md. Conveyer. 1,817,348; Aug. 4.
Claghorn, Clarence R., Baltimore, Md. Conveyer. 1,818,115; Aug. 11.
Clamer, Guilliam H., Atlantic City, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Electric induction furnace. 1,838,527; Dec. 29.
Clampitt, Audis B. (See Phelan, R. E., Lowe, Clampitt, Koenig, and Fischer.)
Clancy, John C., Asbury Park, N. J. Treatment of hydrocarbons. 1,822,127; Sept. 8.
Clandrow, Frank F., New York, N. Y. Apparatus for roasting beans and seed. 1,820,938; Sept. 1.
Clapp, Alan, Davenport, Iowa. Embalming implement. 1,825,993; Oct. 6.
Clapp, Albert L., Danvers, Mass. Manufacture of waterproof fibrous products. 1,793,839; Feb. 24.
Clapp, Albert L., Danvers, Mass. Paper manufacture. 1,820,962; Sept. 1.
Clapp, Albert L., Danvers, assignor to Beckwith Manufacturing Company, Boston, Mass. Box toe. 1,790,796; Feb. 3.
Clapp, Albert L., Danvers, assignor to Bennett, Incorporated, Boston, Mass. Imparting high finish to paper. 1,797,048; Mar. 17.
Clapp, Albert L., Danvers, assignor to Beckwith Manufacturing Company, Boston, Mass. Shoe stiffener and process of manufacture. 1,807,621; June 2.
Clapp, Albert L., Danvers, assignor to The Flintkote Company, Boston, Mass. Mottled or colored shingle and producing it. 1,811,613; June 23.
Clapp, Charles E., Hingham, Mass. Nonskid device for automobile wheels. 1,810,129; June 16.
Clapp, Charles G., San Carlos, Ariz. Building-material-placement machine. 1,788,451; Jan. 13.
Clapp, Elwood I., Govans, Md., assignor to U. S. Industrial Alcohol Co. Apparatus for the distillation of alcohol. 1,835,848; Dec. 8.
Clapp, George W., New Rochelle, N. Y., assignor to The Dentists' Supply Company of New York. Interalveolar angle finder. 1,800,714; Apr. 14.
Clapp, Kenneth S. (See Baldner, Jacob and G., assignor.)
Clapp, Kenneth S., Cleveland, Ohio. Lubricator. 1,828,317; Oct. 20.
Clapp, Lewis J., Claremont, N. H., assignor to Sullivan Machinery Company. Valve mechanism. 1,834,588; Dec. 1.
Clapp, Lewis J., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor. 1,834,596; Dec. 1.
Clapp, Lewis J., Claremont, N. H., assignor to Sullivan Machinery Company. Portable compressor mechanism. 1,834,599; Dec. 1.
Clapp, Lewis J., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor controlling mechanism. 1,834,601; Dec. 1.
Clapp, Robert H., Ramsey, N. J., assignor to American Telephone and Telegraph Company. Patching arrangement for carrier telegraph circuits. 1,787,511; Jan. 6.
Clapp, Royal A., Brookline, Mass. Camera. 1,819,593; Aug. 18.
Clapper, Elmer S., Spencer, Iowa. Cornstalk shield for grain binders. 1,791,884; Feb. 10.
Clar, Miguel, New York, N. Y. Signal device for vehicles. 1,821,691; Sept. 1.
Clarin M'f'g. Co. (See Grant, Frederick C., assignor.)
Clark, Albert B., Dorchester, assignor of forty per cent to Alfred H. Howard, Boston, Mass. Message transmission. 1,805,390; May 12.
Clark, Albert E., assignor to Chrysler Corporation, Detroit, Mich. Tire trough. 1,835,693; Dec. 8.
Clark, Alexander. (See Toce, C. A., and Clark.)
Clark, Alfonso V., Casey, Ill. Surface rod line pick up. 1,808,885; June 9.
Clark, Alfred G., Kansas City, Mo. Drafting case and board. 1,799,973; Apr. 7.

Clark, Alva B., Wyoming, N. J., assignor to American Telephone and Telegraph Company. Telephone echo suppressor. 1,821,928; Sept. 8.
Clark, Alva B., Wyoming, and F. H. Best, Westfield, N. J., assignors to American Telephone and Telegraph Company. Transmission measuring system. 1,816,958; Aug. 4.
Clark, Andrew B., assignor of one-half to J. R. Luke, Thomasville, Ga. Needle threader. 1,798,306; Mar. 31.
Clark, Andrew B., assignor of one-half to Roscoe Luke, Thomasville, Ga. Doorcheck. 1,808,837; June 9.
Clark, Andrew B., assignor of one-half to Roscoe Luke, Thomasville, Ga. Doorcheck. 1,837,407; Dec. 22.
Clark, Arthur B., Trenton, N. J. Rail joint. 1,831,227; Nov. 10.
Clark, Arthur E., Freeport, assignor to The Diapex Corporation, New York, N. Y. Machine for making diapers. 1,826,925; Oct. 13.
Clark, Arthur G., assignor of one-third to A. C. Robarge, and one-third to G. E. Snell, St. Paul, Minn. Concrete building structure. 1,813,912; July 14.
Clark, Arthur M., Seattle, Wash. Proportional scale. 1,810,392; June 16.
Clark, Ary C., and A. L. Graves, Imperial Calif.; said Graves assignor to Imperial Irrigation District. Digging bucket construction for excavators. 1,838,362; Dec. 29.
Clark Brothers Company. (See Clark, C. P., and Bjornnson, assignors.)
Clark Brothers Company. (See Hubbell, Alfred W., assignor.)
Clark, Charles P., Olean, and C. A. Bjornnson, Wellsville, N. Y., assignors to Clark Brothers Company. Fuel-injection mechanism and method. 1,791,443; Feb. 3.
Clark, Charles P., Olean, and C. A. Bjornsson, Wellsville, assignors to Clark Brothers Company, Olean, N. Y. Internal combustion engine. 1,835,952; Dec. 8.
Clark, Charles W. (See Fitzpatrick, E., Clark, and Tiernan.)
Clark, Claiborn, Los Angeles, Calif. Railway crossing. 1,812,139; June 30.
Clark, Cyril B., Scarsdale, assignor to General Chemical Company, New York, N. Y. Process of and apparatus for converting SO_2 to SO_3. 1,789,460; Jan. 20.
Clark, Cyril B., Scarsdale, assignor to General Chemical Company, New York, N. Y. Evaporating and concentrating solutions. 1,817,349; Aug. 4.
Clark, Cyril B., Scarsdale, assignor to American Cyanamid Company, New York, N. Y. Burner for the oxidation of ammonia. 1,828,318; Oct. 20.
Clark, Cyrus Co. (See Gall, Aloise, assignor.)
Clark, D. L. Company. (See Thoke, Albert, assignor.)
Clark, David W., Montreal, Quebec, Canada, assignor to John A. Roebling's Sons Company, Trenton, N. J. Wire rope machine and the like. 1,823,886; Sept. 22.
Clark, Donald E., Santa Monica, Calif. Self-player for pipe organs. 1,792,473; Feb. 17.
Clark, Earl R., Highland Park, Mich. Safety valve for heaters. 1,809,439; June 9.
Clark, Edgar M., New York, N. Y., assignor to Standard Oil Development Company. Manufacturing lubricating oil. 1,820,963; Sept. 1.
Clark, Edgar R., Pittsburgh, Pa., assignor to Milton S. Erlanger, New York, N. Y. Manufacture of flax fiber. 1,808,593; June 2.
Clark, Edward M., assignor to Lustrolite Corporation, Davenport, Iowa. Changeable letter sign. 1,831,228; Nov. 10.
Clark, Edwin M., Clarkston, Mich. Oil tank and storing oil. 1,823,256; Sept. 15.
Clark, Emery E., Topeka, Kans. Circumrotary riding device. 1,792,073; Feb. 10.
Clark Equipment Company. (See Burger, Frederick W., assignor.)
Clark Equipment Company. (See Lapsley, Robert, assignor.)
Clark Equipment Company. (See Mogford, E. C., and Spatta, assignors.)
Clark Equipment Company. (See Spatta, George, assignor.)
Clark, Ernest, Abington, assignor to Abington Textile Machinery Works, Boston, Mass. Pipe coupling and support. 1,813,528; July 7.
Clark, Ernest J. and I., Taft, Calif. Removable closure for well casings. 1,835,377; Dec. 8.
Clark, Ernest W. (See Schramm, C., and Clark.)
Clark, Eugene F., Damariscotta, Me., assignor to Marshall Field Mills Corporation, Philadelphia, Pa. Loom for weaving tufted pile fabric. 1,814,294; July 14.
Clark, Everett E. (See Balser, L. W., and Clark.)
Clark, Ezra E., deceased, Newtonville, Mass.; F. Clark, executrix. Valve for sprinkler systems. 1,807,305; May 26.
Clark, Frances, executrix. (See Clark, Ezra E.)
Clark, Frank, Dolliver, Iowa. Reversible sifter. 1,795,835; Mar. 10.
Clark, Frank, Dolliver, Iowa. Sifter. 1,807,687; June 2.
Clark, Frank M., and A. T. Harding, Pittsfield, Mass., assignors to General Electric Company. Oil-purification process. 1,798,968; Mar. 31.
Clark, Fred, assignor to M. Clark, Clear Lake, Minn. Piston. 1,798,399; Mar. 31.
Clark, Fred N., Hammond, Ind. Ladder structure. 1,799,089; Mar. 31.
Clark, Frederick, Alameda, assignor to Alaska Packers Association, San Francisco, Calif. Transfer mechanism for can filling machines. 1,821,963; Sept. 8.
Clark, George C., Indianapolis, Ind. Card holder and exhibitor. 1,803,234; Apr. 28.
Clark, George C., Indianapolis, Ind. Indentification card and license holder. 1,819,870; Aug. 18.
Clark, George F., West Drayton, England, assignor to Victor Talking Machine Company. Automatic brake for talking machines. 1,813,483; July 7.
Clark, George H., New York, N. Y., and G. Y. Allen, Pittsburgh, Pa., assignors to Radio Corporation of America. Radio compass correcting device. 1,828,395; Oct. 20.
Clark, Gordon N. (See Clark, Thomas E., assignor.)
Clark, Harold A., Northbrook, assignor to Chicago Rawhide Manufacturing Co., Chicago, Ill. Oil seal. 1,807,568; May 26.
Clark, Harold A., Northbrook, assignor to Chicago Rawhide Manufacturing Company. Oil retainer. 1,807,569; May 26.
Clark, Harold A., Northbrook, assignor to Chicago Rawhide Manufacturing Co., Chicago, Ill. Oil seal. 1,819,871; Aug. 18.
Clark, Harold J. (See Taylor, George W., assignor.)
Clark, Harold W. (See Rodman, C. J., and Clark.)
Clark, Harry, Middleport, and R. E. Metcalf, Gasport, N. Y. Method and apparatus for wrapping articles. 1,805,306; May 12.
Clark, Harry A., Detroit, Mich. Necktie-attaching clip. 1,797,074; Mar. 17.
Clark, Harry A., Warren, Ariz. Adapter for molds. 1,811,258; June 23.
Clark, Henry B., Elizabeth, N. J. Apparatus for treating lumber. 1,789,999; Jan. 27.
Clark, Herbert A., assignor to Taylor Instrument Companies, Rochester, N. Y. Pressure gauge. 1,811,173; June 23.
Clark, Hobert M., Chicago, Ill. Grill stove. 1,795,710; Mar. 10.
Clark, Horace W., deceased, Mattoon, Ill.; I. M. Clark, administratrix. Meter testing apparatus. 1,830,311; Nov. 3.
Clark, Howard I., Los Angeles, Calif. Rotary foot pad. 1,805,978; May 19.
Clark, Inez M., administratrix. (See Clark, Horace W.)
Clark, Ira J. (See Clark, Ernest J. and I. J.)
Clark, Ira J., Fort Morgan, Colo. Valve stem split lock catcher. 1,807,509; May 26.
Clark, Irene S., et al, trustees. (See Schneible, Claude B., assignor.)
Clark, J. H., et al. (See Williams, French B., assignor.)
Clark, J. K., et al. (See Lanaux, Alfred A., assignor.)
Clark, J. L., Manufacturing Co. (See Kjellstrom, John H., assignor.)
Clark, J. L., Manufacturing Company. (See Mills, Wallace C., assignor.)
Clark, J. L., Manufacturing Co. (See Truesburg, Fred C., assignor.)
Clark, J. R., Company. (See Kalgren, John E., assignor.)
Clark, Jack. (See Birtciel, Joseph S., assignor.)
Clark, James, assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Pipe coupling for plain end pipes. 1,813,529; July 7.
Clark, James, and J. E. Walborn, assignors to S. R. Dresser Manufacturing Company, Bradford, Pa. Wrought metal repair device for pipe lines. 1, 816,421; July 28.
Clark, James H., Modesto, Calif. Tractor cutter. 1,816,074; July 28.
Clark, James H., assignor to Swift and Company, Chicago, Ill. Display and shipping container. 1,806,334; May 19.
Clark, James H., assignor of one-half to Swift and Company, Chicago, Ill. Display and shipping container. 1,813,146; July 7.
Clark, James R., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y. Furniture top construction. 1,797,496; Mar. 24.
Clark, James R., assignor to The Yowman & Erbe Manufacturing Company, Rochester, N. Y. Yielding retainer for visible index card holders. 1,816,635; July 28.
Clark, James R., assignor to The Yowman & Erbe Manufacturing Company, Rochester, N. Y. Yielding retainer for visible index card holders. 1,816,636; July 28.
Clark, James R., assignor to The Yowman & Erbe Manufacturing Company, Rochester, N. Y. Yielding retainer for visible index card holders. 1,816,637; July 28.
Clark, Jeddiah B., Dunkirk, Ind. Glass-gob disposing means. 1,807,336; May 26.
Clark, Jeddia B., assignor to The Indiana Glass Company, Dunkirk, Ind. Footed tumbler or similar article. Des. 83,846; Apr. 7.
Clark, Jeddia B., assignor to The Indiana Glass Company, Dunkirk, Ind. Sugar bowl or the like. Des. 83,895; Apr. 14.
Clark, Jesse L. (See Cawthon, B. A., and Altieri, assignors.)
Clark, John, Walkerton, Ind. Tie tamper. 1,790,039; Jan. 27.
Clark, John, Walkerton, Ind. Railway-tie spacer. 1,790,090; Jan. 27.
Clark, John M., New York, N. Y. Radiator. 1,825,306; Sept. 29.

Clark, John M., assignor to Universal Button Fastening and Button Company, Detroit, Mich. Button-attaching machine. 1,798,970; Mar. 31.
Clark, John M., assignor to Universal Button Fastening & Button Co., Detroit, Mich. Button. 1,813,115; July 7.
Clark, John M., assignor to Universal Button Fastening & Button Company, Detroit, Mich. Button. 1,813,339; July 7.
Clark, John N. (See Trimble, W. H., and Clark.)
Clark, John O., University City, Mo., assignor by mesne assignments, to American Manganese Steel Company. Hanger for continuous enameling furnaces. 1,822,012; Sept. 8.
Clark, John O'F., University City, Mo., assignor to American Manganese Steel Company, Chicago, Ill. Replacement link. 1,824,330; Sept. 22.
Clark, John O'F., University City, Mo., assignor, by mesne assignments, to American Manganese Steel Company. Replaceable thimble point dipper tooth. 1,829,851; Nov. 3.
Clark, Joseph C., assignor to The Ohio State Stove Corporation, Columbus, Ohio. Cooking stove or article of similar nature. Des. 85,324; Oct. 13.
Clark, Joseph S., Baltimore, Md. Squeezing mechanism. 1,787,929; Jan. 6.
Clark, Karl A., assignor to The Governors of the University of Alberta, Edmonton, Alberta, Canada. Process and apparatus for separating and treating bituminous sands. 1,791,797; Feb. 10.
Clark, Laurel L., Crawfordsville, Ind. Humidor. 1,830,591; Nov. 3.
Clark, Lee H. (See Cloukey, H., and Clark.)
Clark, Lee H., Rosemont, assignor to The Sharples Specialty Company, Philadelphia, Pa. Purification of oil. 1,788,911; Jan. 13.
Clark, Lee H., Haverford, assignor to The Sharples Specialty Company, Philadelphia, Pa. Purification of oil. 1,823,087; Sept. 15.
Clark, Lee H., Rosemont, assignor to The Sharples Specialty Company, Philadelphia, Pa. Purifying dielectric liquids. 1,829,712; Oct. 27.
Clark Lighter Co. Inc. (See Patnaude, Edmond T., assignor.)
Clark Loose Leaf Manufacturing Company. (See Kemp, John B., assignor.)
Clark Machine Company. (See Edwards, William J., assignor.)
Clark, Mae. (See Clark, Fred, assignor.)
Clark, Mills G., and F. R. Higley, Cleveland Heights, Ohio. Traffic-signal indicator. 1,791,160; Feb. 3.
Clark, Noah D., assignor of one-half to G. Struble, Cincinnati, Ohio. Packing structure. 1,804,088; May 5.
Clark, Oliver H., assignor to Chrysler Corporation, Detroit, Mich. Vehicle body. Des. 83,149; Jan. 27.
Clark, Omar E., assignor to Gardner-Denver Company, Denver, Colo. Rotary compressor. 1,817,735; Aug. 4.
Clark, Omar E., assignor to Gardner-Denver Company, Denver, Colo. Hoist. 1,817,736; Aug. 4.
Clark, Ota A., Jens, Mont. Ax scabbard. 1,821,258; Sept. 1.
Clark, Perry A. (See Shepherd, Francis W., assignor.)
Clark, Peter, Great Neck, N. Y., and J. C. Pingle, St. Louis, Mo. Track. 1,809,109; June 9.
Clark, Philip B. (See Long, W. B., and Clark.)
Clark, Ralph C. (See Goetz, H. W., Clark, and Ferlin.)
Clark, Rice O., Vancouver, British Columbia, Canada. Carburetor. 1,798,065; Mar. 24.
Clark, Richard W., Coral Gables, Fla. Building directory. 1,831,287; Nov. 10.
Clark, Robert G., Brooklyn, N. Y. Power-transmission mechanism. 1,793,998; Feb. 24.
Clark, Robert G., Brooklyn, assignor, by mesne assignments, to Anchor Cap & Closure Corporation, Long Island City, N. Y. Bottle-capping machine. 1,797,679; Mar. 24.
Clark, Robert L., Oshkosh, Wis. Game board. 1,827,383; Oct. 13.
Clark, Thomas E., assignor to Gordon N. Clark, Milwaukie, Oreg. Wood burning furnace. 1,834,602; Dec. 1.
Clark, Thomas H., assignor to The Marion Steel Body Company, Marion, Ohio. Dumping unit for trucks. 1,813,278; July 7.
Clark Tructractor Company. (See Burrows, Robert J., assignor.)
Clark Tructractor Company. (See Stockfleth, B., and Burger, assignors.)
Clark Tructractor Co. (See Williams, Alfred O., assignor.)
Clark Tructractor Company. (See Williams, A. O., and Davis, assignors.)
Clark, Vivian V., New York, N. Y. Agitating sluice concentrator. 1,831,524; Nov. 10.
Clark, W. S. (See Waldron, William, assignor.)
Clark, Walter G., Los Angeles, Calif. Producing pure iron. 1,792,967; Feb. 17.
Clark, Walter J., assignor to Coe Laboratories, Inc., Chicago, Ill. Dental flask. 1,825,051; Sept. 29.
Clark, Walter R. (See Webster, W. R., and Clark.)
Clark, Warner, et al. (See McCarty, Madison P., assignor.)
Clark, Warren F., Philadelphia, Pa. Combined urn and memorial tablet. Des. 85,087; Sept. 15.
Clark, William A. (See Dorn, N. L., and Clark.)
Clark, William A., Oakland, Calif. Helicopter. 1,816,315; July 28.
Clark, William A., assignor of one-half to Leonard Westphalen, Chicago, Ill. Ornamental side ring for wire-spoked wheels. 1,797,546; Mar. 24.
Clark, William D., St. Paul, Minn. Water bicycle. 1,831,229; Nov. 10.
Clark, William F., Baltimore, Md. Method of and apparatus for operating upon pipes and similar tubular articles. 1,800,779; Apr. 14.
Clark, William F., Baltimore, Md. Method of and apparatus for straightening pipes, tubes and similar articles. 1,810,819; June 16.
Clark, Wycliffe L., Jamestown, N. Y. Fastening device. 1,807,236; May 26.
Clark, Wycliffe L., Jamestown, N. Y. Fastening device. 1,831,588; Nov. 10.
Clarke, Alexander, Eastland, Tex., and H. Butler, West Chester, assignors to United Hydro Carbons Company, West Chester, Pa. Production or recovery of lighter hydrocarbons. 1,813,024; July 7.
Clarke, Benjamin F., and W. J. McDonald, Des Moines, Iowa. Lubricating bar. 1,793,907; Feb. 24.
Clarke, Carlysle H. (See Clarke, Clovis E. and C. H.)
Clarke, Carole A., Moorestown, N. J., assignor to Victor Talking Machine Company. Cabinet for radio receiving apparatus. 1,807,386; May 26.
Clarke, Charles E. (See Bliss, E. J., and Clarke.)
Clarke, Charles J., Kingsburg, Calif. Fishing reel. 1,820,781; Aug. 25.
Clarke, Charles J., Kingsburg, Calif. Fishing reel. 1,831,738; Nov. 10.
Clarke, Clarence M., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment press. 1,822,613; Sept. 8.
Clarke, Clovis E. and C. H., Richmond, Va. Chair. Des. 85,029; Sept. 8.
Clarke, Douglas F., Salt Lake City, Utah, assignor to American Miracle Motors, Ltd. Internal combustion engine. 1,812,862; July 7.
Clarke, Earl B., La Fayette, Ind., assignor to Westinghouse Electric & Manufacturing Company. Cooling electrical apparatus. 1,802,754; Apr. 28.
Clarke, Earl B., La Fayette, Ind., assignor to Westinghouse Electric & Manufacturing Company. Transformer cooling system. 1,835,470; Dec. 8.
Clarke, Edgar W., and J. L. Eigenbrot, Evanston, assignors to American Tar Products Company, Chicago, Ill. Apparatus and coking liquefiable carbonaceous materials. 1,806,146; May 19.
Clarke, Edward H., Peoria, Ill. Apparel hanger. 1,832,002; Nov. 17.
Clarke, Ernest W., Pleasantville, N. Y. Making joints in sewer or drain pipes. 1,787,971; Jan. 6.
Clarke, Frank L., et al., executors. (See Cogswell, Leander A.)
Clarke, Hans T., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic sensitizer and making it. 1,804,674; May 12.
Clarke, Hans T., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose ester composition. 1,809,234; June 9.
Clarke, Hans T., assignor to Eastman Kodak Company, Rochester, N. Y. Recovery of cellulose acetate from acetic acid solutions thereof. 1,823,348; Sept. 15.
Clarke, Hans T., and C. J. Malm, assignors to Eastman Kodak Company, Rochester, N. Y. Making organic esters of cellulose containing acyl groups having more than two carbon atoms. 1,800,860; Apr. 14.
Clarke, Hans T., and C. J. Malm, assignors to Eastman Kodak Company, Rochester, N. Y. Esterifying cellulosic materials with vapors of lower fatty acids. 1,823,350; Sept. 15.
Clarke, Hans T., and D. F. Othmer, assignors to Eastman Kodak Company, Rochester, N. Y. Removing water from aqueous acetic acid. 1,804,745; May 12.
Clarke, Hans T., and D. F. Othmer, assignors to Eastman Kodak Company, Rochester, N. Y. Dehydration of formic acid. 1,826,302; Oct. 6.
Clarke, Harry A., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Marking machine. 1,823,030; Sept. 15.
Clarke, Harry R., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrodynamic device. 1,838,027; Dec. 22.
Clarke, Henry J. (See Phillips, H. R., and Clarke.)
Clarke, Herbert S. (See Dalton, William, assignor.)
Clarke, John A., jr., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pantograph. 1,824,871; Sept. 29.
Clarke, Ralph S., Dorchester, Boston, assignor to Henrici Laundry Machinery Company, Boston, Mass. Clapper valve. 1,791,463; Feb. 3.
Clarke, Rudolph E., Delanco, N. J., and R. B. Reeves, assignors to Alvah Bushnell Company, Philadelphia, Pa. Removable card holder for wallets. 1,822,843; Sept. 8.
Clarkson, Bowen E., Kingstree, S. C. Lamp holder. 1,787,670; Jan. 6.
Clarkson, Bowen E., Kingstree, S. C. Animal trap. 1,829,264; Oct. 27.
Clarkson, Charles H., Toronto, Ontario, Canada. Head cope. 1,833,206; Nov. 24.
Clarostat Mfg. Co. (See Bruno, William A., assignor.)

Clary, Jan P., Hartford, Conn. Automatic inkwell. Des. 85,030; Sept. 8.
Clary, Jan P., Hartford, Conn. Ready dip inkwell. 1,811,745; June 23.
Clasen, Claus J. W., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Railway truck. 1,787,722; Jan. 6.
Clasen, Claus J. W., Davenport, Iowa., assignor to The Bettendorf Company, Bettendorf, Iowa. Strut plate. 1,801,333; Apr. 21.
Clasen, Claus J. W., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Railway truck. 1,808,289; June 2.
Clasen, Claus J. W., and F. W. Lewis, Davenport, Iowa., assignors to The Bettendorf Company, Bettendorf, Iowa. Car underframe. 1,801,332; Apr. 21.
Clason, Charles E. (See White, A. C., and Clason.)
Clason, Jan C., Stockholm, Sweden. Arrangement for freeing boats from water. 1,819,074; Aug. 18.
Class, George M., assignor to Gisholt Machine Company, Madison, Wis. Tool for turning taper bolts. 1,795,594; Mar. 10.
Class, George M., assignor to Gisholt Machine Company, Madison, Wis. Lubricating device for the ways of lathes. 1,797,547; Mar. 24.
Class, George M., assignor to Gisholt Machine Company, Madison, Wis. Turret clamping device. 1,813,484; July 7.
Class, George M., assignor to Gisholt Machine Company, Madison, Wis. Collet chuck. 1,818,305; Aug. 11.
Class, George M., assignor to Gisholt Machine Company, Madison, Wis. Chuck. 1,830,981; Nov. 10.
Class, John F., Dayton, Ohio. Fume generating and inhaling apparatus. 1,818,692; Aug. 11.
Classon, Eric R., Flushing, assignor to Anchor Weather Strip Company, Inc., New York, N. Y. Sliding glass ventilator. 1,797,049; Mar. 17.
Claster, Louis, et al. (See Federbusch, Oscar, assignor.)
Claster, Maurice H., et al. (See Federbusch, Oscar, assignor.)
Claude, Georges, assignor to la Société L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude, Paris, France. Purification of illuminating or coke oven gases and the like. 1,801,903; Apr. 21.
Claude, Georges, Boulogne-sur-Seine, France, assignor to Claude Neon Lights, Inc. Vacuum discharge tube. 1,826,382; Oct. 6.
Claude, Georges, and J. M. E. de Beaufort, Boulogne-sur-Seine, France, assignors to Claude Neon Lights, Inc., New York, N. Y. Modifying color in vacuum tube lights. 1,827,705; Oct. 13.
Claude, Maurice, Boulogne-sur-Seine, France. Damping vibrations which is chiefly applicable to blowpipe apparatus for the cutting of metals, and apparatus wherein the said method is carried into effect. 1,802,237; Apr. 21.
Claude Neon Electrical Products Corporation. (See Hyde, Ralph C., assignor.)
Claude Neon Lights, Inc. (See Beck, Leo S., assignor.)
Claude Neon Lights, Inc. (See Claude, Georges, assignor.)
Claude Neon Lights, Inc. (See Claude, G., and De Beaufort, assignors.)
Claude Neon Lights, Inc. (See Fullerton, Stephen W., assignor.)
Claude Neon Lights, Inc. (See Smalley, Robert C., assignor.)
Claude Neon Lights, Inc. (See Smalley, R. C., and Moorefield, assignors.)
Claudel, Charles H., Veuxhaulles, France. Internal combustion engine. 1,803,461; May 5.
Claudel, Charles H., Veuxhaulles, France. Carburetor. 1,829,786; Nov. 3.
Claus, Bruno, Sangerhausen, Germany. Electric lamp. 1,804,049; May 5.
Claus, Carl, Plainfield, assignor to Bound Brook Oil-less Bearing Company, Bound Brook, N. J. Spring shackle. 1,817,891; Aug. 4.
Claus, Carl, Plainfield, assignor to Bound Brook Oil-less Bearing Company, Bound Brook, N. J. Spring shackle. 1,817,892; Aug. 4.
Claus, Rolf R., West New York, N. J. Device for lifting bodies submerged in water. 1,806,786; May 26.
Clause, Robert L., Sewickley, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making plate glass. 1,825,853; Oct. 6.
Clausen, Harold C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Holding covers in place. 1,800,715; Apr. 14.
Clausen, Harold C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway car retarder. 1,805,307; May 12.
Clausen, Harold C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Track rail contactor. 1,818,970; Aug. 18.
Clausen, Henry P., Mamaroneck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,804,675; May 12.
Clausen, Holger V., Bucaramanga, Colombia. Exercising apparatus. 1,801,223; Apr. 14.
Clausen, Peter, Mission, S. Dak. Game apparatus. 1,813,116; July 7.
Clausing, George, assignor to Vulcan Corporation, Portsmouth, Ohio. Closed shoe tree. 1,830,016; Nov. 3.
Clausing, Louis F., Burlingame, assignor to Royal Metal Works, San Francisco, Calif. Machine for bending corrugations in metal. 1,808,019; June 2.
Clausing, Wilhelm, Roslindale, Mass. Woodworking machine. 1,801,722; Apr. 21.
Clausius, Louis L. (See Doney, W. A., and Clausius.)
Clauss, Gustav. (See Rüsberg, F., and Clauss.)
Claussen, Alfred B. (See Rudkin, William P., assignor.)
Claussen, Wells H., assignor to Apple Vender Co., Seattle, Wash. Casing for fruit vending machine. Des. 84,276; June 2.
Claussen, Wells H., assignor to Apple Vender Co., Seattle, Wash. Casing for fruit vending machine. Des. 84,397; June 16.
Claussen, Wells H., assignor to Apple Vender Co., Seattle, Wash. Coin controlled mechanism. 1,814,295; July 14.
Clavel, René, Basel-Augst, near Basel, Switzerland. Treatment of cellulose derivatives of products made therewith. 1,806,043; May 19.
Clavel, René, Basel, Switzerland. Loading of silk, or silk-containing textile material. 1,810,238; June 16.
Clavel, René, Basel-Augst, Switzerland. Dyeing of cellulose derivatives. 1,811,576; June 23.
Clavel, René, Basel, Switzerland. Weighing natural silk. 1,816,959; Aug. 4.
Clavel, René, Basel-Augst, Switzerland. Treatment of artificial silks. 1,826,274; Oct. 6.
Clawson, Albert E., Bryn Mawr, Pa., assignor to Taylor Instrument Companies, Rochester, N. Y. Pressure responsive instrument. 1,803,996; May 5.
Clawson, Monroe S., Montclair, N. J. Binder for mold materials. 1,794,588; Mar. 3.
Clawson, Monroe S., Montclair, N. J. Individual cup heater. 1,805,716; May 19.
Clay, Arundel S., London, assignor to Cooke, Troughton & Simms Limited, York, England. Orientator or architect's solar dial. 1,817,350; Aug. 4.
Clay, Noble S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Propeller. 1,829,437; Oct. 27.
Clay, Samuel B., St. Louis, Mo. Control valve. 1,791,613; Feb. 10.
Clayborn, Norman F., Decatur, Ga. Marcel wave wrapper clamp. 1,821,738; Sept. 1.
Clayburgh, Harry C., assignor to Dawson Manufacturing Company, Oakland, Calif. Can holder. 1,824,872; Sept. 29.
Clayes, Wellington I., San Francisco, Calif. Filter. 1,831,094; Nov. 10.
Claypoole, Walter, Forest Hills, assignor to The Texas Company, New York, N. Y. Cable oil. 1,807,060; May 26.
Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Ruffling mechanism for sewing machines. 1,815,881; July 21.
Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine ruffling mechanism. 1,819,278; Aug. 18.
Clayton, Archie P., Big Spring, Tex. Tube conveyer. 1,803,172; Apr. 28.
Clayton, Charles F., Fort Worth, Tex. Splint. 1,793,776; Feb. 24.
Clayton, Edwin E., New York, N. Y., assignor to C. P. Mackie, Newark, N. J. Fluid lift for liquids. 1,819,994; Aug. 18.
Clayton, George S. (See Marshall, J. S. C., and Clayton.)
Clayton Gin Compress Company. (See Mackenzie, Alexander S., assignor.)
Clayton, Harry F., Strathmore, Quebec, assignor, by mesne assignments, to G. H. Wood, Montreal, Quebec, Canada. Apparatus for burning liquid fuel. 1,830,052; Nov. 3.
Clayton, James L. (See Kelley, P. M., and Clayton.)
Clayton & Lambert Manufacturing Company. (See Blaskewitz, William, assignor.)
Clayton & Lambert Manufacturing Co. (See Blaskewitz, W., Overly, Lambert, and Ironside, assignors.)
Clayton & Lambert Manufacturing Co. (See Lambert, Charles F., assignor.)
Clayton, Mark M., assignor to Bastian-Morley Co., La Porte, Ind. Apparatus for heating or vaporizing fluid. 1,812,198; June 30.
Clayton, Martin M., Baden, Pa., assignor to National Electric Products Corporation, New York, N. Y. Box and clamp therefor. 1,822,128; Sept. 8.
Clayton, Ross H. (See Hill, I., and Clayton.)
Clayton, William H., Fort Worth, Tex. Ice-serving conveyer. 1,793,158; Feb. 17.
Claytor, Edward M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Adjustable thermal element. 1,809,293; June 9.
Clean-Be-Tween Tooth Brush Corporation, The. (See Myers, Robert R., assignor.)
Cleaners Equipment Corporation, The. (See Fuqua, Clarence V., assignor.)
Cleanse, Robert L., Sewickley, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for drawing sheet glass. 1,815,288; July 21.
Clear, Edmund H., New York, N. Y. Golf game. 1,823,487; Sept. 15.
Clearfield Machine Company. (See McMurray, Walter E., assignor.)
Clearwater Lumber Company. (See Laursen, Bruno L., assignor.)
Cleary, Edward T. (See Rutledge, A. E., and Cleary.)

Cleaveland, Fred M., assignor to Ypsilanti Reed Furniture Company, Ionia, Mich. Bus seat. Des. 83,720; Mar. 24.
Cleaveland, George A., Glendale, Calif. Adjustable swivel caster. 1,835,144; Dec. 8.
Cleeton, Charles E. (See Halstead, W. S., and Cleeton.)
Clegg, William H., Philadelphia, Pa. Internal combustion engine cooling system. 1,815,240; July 21.
Cleland, Melvin L., assignor to G. A. Roth Manufacturing Company, Hastings, Nebr. Side awning. 1,800,716; Apr. 14.
Clemence, Elliott, New York, N. Y., assignor by mesne assignments, to The Monowatt Electric Corporation, Bridgeport, Conn. Lamp socket plug tap. 1,803,096; Apr. 28.
Clemenger, Earl B., San Bernardino, Calif. Hair steamer. 1,832,360; Nov. 17.
Clemens, Clinton A., Retsil, Wash. Excavator. 1,822,338; Sept. 8.
Clemens, Emanuel, East Orange, N. J. Button making machine. 1,819,811; Aug. 18.
Clemens, Emanuel, East Orange, assignor to New Jersey Button Works, Newark, N. J. Attachment for button making machines. 1,828,174; Oct. 20.
Clemens, Fred J., East Haven, assignor to The William Schollhorn Company, New Haven, Conn. Hand tool. 1,804,149; May 5.
Clemens, Fred J., East Haven, assignor to The William Schollhorn Company, New Haven, Conn. Pipe wrench. 1,838,659; Dec. 29.
Clemens, John G., assignor to Buffalo Fuse Corporation, Buffalo, N. Y. Fuse. 1,817,291; Aug. 4.
Clemens, Ludwig, Berlin, assignor to the firm Wezel & Naumann Aktiengesellschaft, Leipzig, Germany. Pressing corrugated cardboard flat in places. 1,809,472; June 9.
Clement, Charles G., assignor to Highway Trailer Company, Edgerton, Wis. Automatic lock for tilting bodies. 1,811,995; June 30.
Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Receiving, recording, and reproducing broadcast signals. 1,798,066; Mar. 24.
Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio broadcasting system. 1,805,446; May 12.
Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Silent wave radio transmission system. 1,807,510; May 26.
Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Subdivided service system of radio broadcast distribution. 1,815,833; July 21.
Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Wired broadcast distribution. 1,836,904; Dec. 15.
Clement, Hans, New York, N. Y., assignor to General Optical Co., Inc. Ophthalmic trial frame. 1,811,349; June 23.
Clement, John, Albany, Tex. Piston and cylinder oiling system for internal combustion engines. 1,816,516; July 28.
Clement, Martin W., Haverford, Pa. Inspecting railroad cars and apparatus therefor. 1,793,908; Feb. 24.
Clément, Rudolf, Cologne-Braunsfeld, and W. Voss, Cologne-Klettenberg, assignors to Vulcan-Feuerung Aktiengesellschaft, Cologne, Germany. Operation of lime and dolomite kilns and furnaces. 1,836,526; Dec. 15.
Clement, Walter J., assignor to The Bossert Corporation, Utica, N. Y. Hammer mill. 1,807,197; May 26.
Clement, Walter J., New Hartford, assignor to The Bossert Corporation, Utica, N. Y. Hammer mill. 1,826,490; Oct. 20.
Clements, Arthur L. (See Lindsay, H. B., and Clements.)
Clements, Eilert A., Grand Rapids, Mich. Process of and pattern for making underwear. 1,808,290; June 2.
Clements, Eugene E., assignor to The L. Candee and Company, New Haven, Conn. Shoe pressing machine. 1,831,525; Nov. 10.
Clements, Joseph H., jr., assignor to Peckham, Wolf & Co., Schenectady, N. Y. Article of furniture. 1,817,878; Aug. 4.
Clements, Lincoln H., Clements, Minn. Crowbar. 1,793,060; Feb. 17.
Clements, Louis F., Pueblo, Colo. Occupant-propelled vehicle. 1,798,971; Mar. 31.
Clements Mfg. Co. (See Clements, William J., assignor.)
Clements, Warren F., Allentown, assignor to Fuller Lehigh Company, Fullerton, Pa. Grinding ball. 1,823,351; Sept. 15.
Clements, Wellington I., Norfolk, Va. Device for clarifying driving vision. 1,836,644; Dec. 15.
Clements, William J., assignor to Clements Mfg. Co., Chicago, Ill. Cleaning member for vacuum cleaners. 1,790,229; Jan. 27.
Clémentz, Carl O., Malmo, Sweden. Combined permutation and snap-action lock. 1,838,660; Dec. 29.
Clemetsen Company, The. (See Vaaler, Jens, assignor.)
Clemmons, Herbert D., assignor to Scovill Manufacturing Company, Sturgis, Mich. Handle for flush tanks or the like. Des. 84,462; June 23.
Clench, William A., assignor to Standard Disk Wheel Company, Seattle, Wash. Rim securing means. 1,832,894; Nov. 24.
Clerc, Leonard F., Detroit, Mich. Street car. 1,803,747; May 5.
Clerc, Reinhard. (See Jordan, H., Schoeller, and Clerc.)
Clerc, Reinhard. (See Schoeller, W., Jordan, and Clerc.)
Clerget, Edmund J., Chicago, Ill., assignor to American Engineering Company, Philadelphia, Pa. Stoker. 1,811,746; June 23.
Clerget, Pierre, Paris, France. Actuating mechanism for engine fuel pumps. 1,836,645; Dec. 15.
Clergue, Francis H., Montreal, Quebec, Canada. Mooring for airships. 1,799,677; Apr. 7.
Cleveland, Charles H., assignor of one-third to C. A. Heine, and one-third to J. T. Allison, Minneapolis, Minn. Lock ring. 1,820,268; Aug. 25.
Cleveland, Don L., et al. (See Johnson, Bert E., assignor.)
Cleveland, Edgar L., Mobridge, S. Dak. Hot bearing indicating means. 1,825,052; Sept. 29.
Cleveland Automatic Machine Co., The. (See Rupple, Harry W., assignor.)
Cleveland Chain and Manufacturing Company, The. (See Stuller, Earl A., assignor.)
Cleveland Co-Operative Stove Company, The. (See Boylan, Jerome C., assignor.)
Cleveland Co-Operative Stove Company, The. (See Kennedy, Emmett F., assignor.)
Cleveland Crane & Engineering Company, The. (See Bennington, Earl T., assignor.)
Cleveland Crane & Engineering Company, The. (See Bereit, Edwin W., assignor.)
Cleveland Crane & Engineering Company, The. (See Heinle, Walter C., assignor.)
Cleveland Crane & Engineering Company, The. (See Wehr, William G., assignor.)
Cleveland Folding Machine Company, The. (See Dawson, Joseph C., assignor.)
Cleveland Folding Machine Company, The. (See Hitchcock, Reuben, assignor.)
Cleveland Folding Machine Company. (See Ibell, Richard, assignor.)
Cleveland Folding Machine Company, The. (See Olson, Andrew, assignor.)
Cleveland Folding Machine Company, The. (See Palmer, Ernest E., assignor.)
Cleveland Folding Machine Company, The. (See Tufts, Lesley R., assignor.)
Cleveland Folding Machine Company. (See Tufts, L. R., and Olson, assignors.)
Cleveland Graphite Bronze Company, The. (See Kerruish, Edward P., assignor.)
Cleveland Graphite Bronze Company, The. (See Klocke, William H., assignor.)
Cleveland Graphite Bronze Company, The. (See Myers, James L., assignor.)
Cleveland Graphite Bronze Company. (See Palm, J. V. O., and Knuth, assignors.)
Cleveland Graphite Bronze Company, The. (See Sacknus, H. F., and Kerruish, assignors.)
Cleveland Heater Company, The. (See Doen, Loran F., assignor.)
Cleveland Heater Company, The. (See Evans, Vincent J., assignor.)
Cleveland Heater Company, The. (See Friedman, Arthur, assignor.)
Cleveland Heater Company. (See Te Pas, Edmund J., assignor.)
Cleveland Heater Company. (See Ziegler, Walter W., assignor.)
Cleveland Planer Company, The. (See Mesker, Louis H., assignor.)
Cleveland Pneumatic Tool Company, The. (See Greve, Louis W., assignor.)
Cleveland Pneumatic Tool Company, The. (See Scott, Arthur, assignor.)
Cleveland Rock Drill Company, The. (See Hafford, Daniel J., assignor.)
Cleveland Rock Drill Company, The. (See Oldham, Edward L., assignor.)
Cleveland Rock Drill Company, The. (See Shaw, N. Carter, assignor.)
Cleveland Rock Drill Company, The. (The Slatcher, Alfred G., assignor.)
Cleveland Steel Products Corporation. (See Braun, Herman F., assignor.)
Cleveland Steel Products Corporation, The. (See Smith, W. J., and Braun, assignors.)
Cleveland Stoker Company, The. (See Hinsch, Louis L., assignor.)
Cleveland Stoker Company, The. (See Turner, Walter E., assignor.)
Cleveland Tractor Company, The. (See Jones, George D., assignor.)
Cleveland Trust Company, The. (See Covert, Martin B., assignor.)
Cleveland Trust Company, The. (See Franquist, Gustave E., assignor.)
Cleveland Trust Company, The. (See Gulick, Edward J., assignor.)
Cleveland Trust Company, The. (See Hartog, Stephen D., assignor.)
Cleveland Trust Company, The. (See Hater, Harry J., assignor.)
Cleveland Trust Company, The. (See Jardine, Frank, assignor.)
Cleveland Trust Company, The. (See McCoy, William C., assignor.)

Cleveland Trust Company, The. (See Mooers, Louis F., assignor.)
Cleveland Trust Company, The. (See Sawyer, Charles B., assignor.)
Cleveland Trust Company, The, executor. (See Sawyer, C. B., and Brush, jr., assignors.)
Cleveland Trust Company, The, trustee. (See Jardine, F., and Cooper, assignors.)
Cleveland Twist Drill Company, The. (See Dillard, James B., assignor.)
Cleveland Universal Jig Company, The. (See Batterman, E. F., and Verderber, assignors.)
Cleveland Worm and Gear Company. (See Acker, George H., assignor.)
Clewell, John H., Arlington, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del. Ink for cellulose esters. 1,806,965; May 26.
Cliff, William H., assignor of an undivided interest to Terre Haute Boiler Works Company, Terre Haute, Ind. Casing for boilers. 1,800,189; Apr. 7.
Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Antioxidant or age retarder. 1,788,860; Jan. 13.
Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Accelerator of vulcanization. 1,792,819; Feb. 17.
Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tri-naphthylamine. 1,797,196; Mar. 17.
Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Antioxidant or age-resister. 1,809,798; June 9.
Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Antioxidant or age resistor. 1,809,799; June 9.
Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Deterioration inhibitor for rubber. 1,813,609; July 7.
Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Antioxidant or age-resister. 1,818,942; Aug. 11.
Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Rubber compound and preserving it. 1,823,531; Sept. 15.
Clifford, Dell G., Chicago, Ill. Concrete laying machine. 1,827,529; Dec. 22.
Clifford, James J., Reading, Mass., assignor, by mesne assignments to Steadfast Rubber Company, Inc. Coated textile fabric. 1,792,277; Feb. 10.
Clifford, John M., Providence, R. I. Speaking tube apparatus. 1,805,465; May 19.
Clifford Manufacturing Co. (See Clifford, Walter B., assignor.)
Clifford, Roger W. (See Blunt, J. G., and Clifford.)
Clifford, Roger W., Schenectady, N. Y. Truck for railroad vehicles. 1,796,561; Mar. 17.
Clifford, Roger W., Schnectady, N. Y. Valve. 1,832,279; Nov. 17.
Clifford, Roger W., Schenectady, N. Y. Whistle. 1,820,558. Aug. 25.
Clifford, Samuel G., assignor to McFerson & Foster Co., Evansville, Ind. Box fastener. 1,789,936; Jan. 20.
Clifford, Walter B., Cambridge, Mass. Temperature-controlled valve. 1,792,891; Feb. 17.
Clifford, Walter B., Framingham, assignor, by mesne assignments, to The Clifford Manufacturing Co., Boston, Mass. Thermostat. 1,798,192; Mar. 31.
Clifford, Walter B., Framingham, assignor, by mesne assignments, to Clifford Manufacturing Co., Boston, Mass. Forming bellows folds. 1,823,532; Sept. 15.
Clifford, Walter B., assignor to Clifford Manufacturing Co., Boston, Mass. Steam trap. 1,816,142; July 28.
Clifford, William, jr., Elizabeth, N. J. Holder or retainer for concrete inserts. 1,801,723; Apr. 21.
Clifton, Jesse A., assignor of one-third to E. H. Holland and one-third to G. W. Beckett, Beaufort, S. C. Optiphone. 1,798,118; Mar. 24.
Clifton Limited. (See Atha, Charles G., assignor.)
Climax Engineering Co. (See Alexander, R. L., and Wishart, assignors.)
Climax Motorenwerke und Schiffswerft Linz A. G. (See Mandler, Eugen, assignor.)
Climenson, William W., Honey Brook, Pa. Crayon or pencil holder. 1,820,782; Aug. 25.
Cline, Delbert, assignor to Jesse French & Sons Piano Company, Newcastle, Ind. Radiocabinet. Des. 83,248; Feb. 10.
Cline Electric Manufacturing Company. (See Strand, L. M., and Hollander, assignors.)
Cline, L. O. (See Marron, Richard F., assignor.)
Cline, McGarvey, Jacksonville, assignor to Wood Process Company, Inc., Eastport, Fla. Diffusion apparatus. 1,834,577; Dec 1.
Cline, Thaddeus E., and R. E. Tipton, Denver, Colo. Foot guiding mechanism. 1,804,552; May 12.
Cline, Walter J., and M. F. Wagner, San Diego, Calif. Aircraft. 1,828,026; Oct. 20.
Clingman, Mabel M., Chicago, Ill. Electric refrigerator. 1,796,828; Mar. 17.
Clingman, Mabel M., Chicago, Ill. Automatic refrigerator. 1,796,829; Mar. 17.
Cliot Closet Moth Proofer, Inc. (See Kliot, Hyman, assignor.)
Clipsham, Kenneth M. (See Jackson, M. B., and Clipsham.)
Clipper Belt Lacer Company. (See Diamond, James K., assignor.)
Clisson, Albert B., assignor to Prosperity Company, Inc., Syracuse, N. Y. Shirt pressing attachment for pressing machines. 1,834,769; Dec. 1.
Cloer, Venus U. (See Sims, W. F., and Cloer.)
Clokey, Allison A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine telegraph system. 1,799,214; Apr. 7.
Clokey, Allison A., Rutherford, and E. T. Burton, Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine cable repeating system. 1,823,088; Sept. 15.
Clokey, Allison A., Rutherford, N. J., and W. A. Knoop, Hempstead, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rotary distributor. 1,813,913; July 14.
Close, Ford C., New York, N. Y. Simulation of natural surfaces by transfer to certain materials. 1,832,531; Nov. 17.
Close, William E., Long Beach, Calif. Roasting coffee. 1,788,705; Jan. 13.
Cloud, Harry D., assignor of one-half to W. M. Ingram, Lexington, Ky. Window awning. 1,835,694; Dec. 8.
Cloud, Harry D., and W. M. Ingram, Lexington, Ky. Metal awning. 1,790,040; Jan. 27.
Cloud, Raymond T., Chicago, Ill. Magnetic pickup. 1,831,589; Nov. 10.
Cloud, Raymond T., assignor to Orchestraphone Company, Chicago, Ill. Pick-up and carrier therefor. 1,827,970; Oct. 20.
Clough, Newsome H., Hanwell, London, England, assignor to Radio Corporation of America. Damping control. 1,829,706; Oct. 27.
Cloughley, John J., Oklahoma City, Okla. Tire cover. 1,808,291; June 2.
Cloukey, Homer, Lansdowne, and L. H. Clark, Villanova, Pa., assignors to The Sharples Specialty Company, Philadelphia, Pa. Manufacture of pure milk fat. 1,837,205; Dec. 22.
Clouse, William L., Tiffin, Ohio. Heating apparatus. 1,805,938; May 19.
Clouse, William L., assignor to The National Machinery Company, Tiffin, Ohio. Press. Des. 84,218; May 19.
Cloutier, Arthur N. (See Lawson, R. H., and Cloutier.)
Cloverdale Spring Company. (See Fuerst, Edwin W., assignor.)
Clow, James B., & Sons. (See Carnahan, Glen C., assignor.)
Clow, Oscar B., Tacoma, Wash. Composition roofing shingle. 1,828,222; Oct. 20.
Clow, Samuel C. (See Rothgarn, Andrew E., assignor.)
Cluett, Peabody & Co. (See Abbott, Thomas J., assignor.)
Cluett, Peabody & Co. (See Blue, Sidney, assignor.)
Cluett, Sanford L., Troy, N. Y. Tentering machine. 1,800,604; Apr. 14.
Cluett, Sanford L., Troy, N. Y. Shrinking fabrics. 1,837,408; Dec. 22.
Clum Manufacturing Company. (See Winning, Robert K., assignor.)
Cluny, Russell F., Stratford, Conn. Outlet box fixture support. 1,810,553; June 16.
Cluss, Eugen G. (See Massatsch, C., and Cluss.)
Cluthe, Walter J., Kansas City, Mo. Automatic air lift. 1,824,075; Sept. 22.
Clyde Equipment Company. (See Rigdon, E. L., and Risley, assignors.)
Clyde Iron Works. (See McGiffert, John R., assignor.)
Clyman, Maurice H. (See Bacon, Arthur J., assignor.)
Coady, Sylvester. (See Coady, W. F. and S.)
Coady, William F. and S., Detroit, Mich. Window lock. 1,818,043; Aug. 11.
Coahran, Jesse M., Smethport, Pa. Method of and apparatus for leaching. 1,793,465; Feb. 24.
Coal Carbonization Company. (See Hayes, Charles, assignor.)
Coale Muffler & Safety Company, The. (See Morrison, Bartholomew J., assignor.)
Coal Process Corporation. (See Wisner, Clarence B., assignor.)
Coal Treating Equipment Company, The. (See Mau, George A., assignor.)
Coalescence Products Company. (See Stout, Harry H., assignor.)
Coals and Chemicals, Ltd. (See Ramage, Alexander S., assignor.)
Coals and Chemicals Ltd. (See Trumble, Milon J., assignor.)
Coalson, Douglas, et al. (See Milam, Oran A., assignor.)
Coari, Frank A., Chicago, Ill. Nut-picking machine. 1,795,476; Mar. 10.
Coari, Frank A., Chicago, Ill. Nut picking machine. 1,827,736; Oct. 20.
Coast Insulating Co. (See Smith, Herbert C., assignor.)
Coate, Lester W. (See Gage, Joseph J., assignor.)
Coates, Charles B., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Quadruplex equalizing apparatus. 1,800,248; Apr. 14.
Coates, Charles B., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Rotor. 1,819,228; Aug. 18.

Coates, Charles B., and Clarence J. Dresser, Cleveland, Ohio, assignors to Chicago Pneumatic Tool Company, New York, N. Y. Electrical apparatus. 1,819,148; Aug. 18.
Coates, Frank, Cleadon, and R. Anderson, Hebburn-on-Tyne, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Controlling apparatus for electric circuit breakers. 1,838,528; Dec. 29.
Coates, Harry M., Detroit, Mich., assignor, by mesne assignments, to The E. T. Burrowes Company, Portland, Me. Rolling window screen construction. 1,802,374; Apr. 28.
Coates, James H., assignor to The New Britain Machine Company, New Britain, Conn. Workbench. 1,797,717; Mar. 24.
Coates, Jasper C., Santa Paula, assignor to W. Crocker and H. G. Benison, Ventura County, Calif. Fruit washing machine. 1,834,018; Dec. 1.
Coates, Manley R., Albany, Oreg. Wire clamp. 1,809,774; June 9.
Coates, Ray G., Pasadena, Calif. Operating mechanism for clutches. 1,837,949; Dec. 22.
Coates, Wallace R., et al. (See Steele, Carmi J., assignor.)
Coath, Richard C. (See Francis, J. H. E., and Coath.)
Cobabe, Edward C., Baltimore, Md. Shade roller supporting means. 1,833,561; Nov. 24.
Cobb, Charles H., San Francisco, Calif. Distance bolt for radiator hangers. 1,795,163; Mar. 3.
Cobb, Clarence L., assignor to Welton Stallsmith, Los Angeles, Calif. Hand lantern. 1,837,808; Dec. 22.
Cobb Connector Company. (See Hermann, Edward O., assignor.)
Cobb, Eugene A., Lynn, Mass. Compressor. 1,789,618; Jan. 20.
Cobb, Frederick Gordon, Lancaster, S. C., assignor to Garland Manufacturing Company. Loom harness. 1,817,292; Aug. 4.
Cobb, Henry Z., Providence, R. I., assignor to Revere Rubber Company, Chelsea, Mass. Conveyer. 1,809,830; June 16.
Cobb, Henry Z., Providence, R. I., assignor to Revere Rubber Company, Chelsea, Mass. Wheel frame. 1,822,516; Sept. 8.
Cobb, John L., and Harry C. Ogle, Baker, Oreg., assignors to Automatic Shu-Fit Company, Boise, Idaho. Foot-measuring implement. 1,792,892; Feb. 17.
Cobb, Paul, Hope, Ark. Adjustable swing hanger. 1,815,185; July 21.
Cobb, Willard H., Brooklyn, N. Y., assignor to The Shoe Hardware Company, Waterbury, Conn. Making interlocking elements from sheet material. 1,814,244; July 14.
Cobb, Windsor N., San Francisco, Calif. Rotating spherical beacon. 1,823,240; Sept. 15.
Cobbs, Ansalem O., Des Moins, Iowa. Holder for securing certificates to the steering columns of vehicles. 1,836,154; Dec. 15.
Cobe Engineering Company. (See Cobe, Harry H., assignor.)
Cobe, Harry H., Chelsea, assignor to Cobe Engineering Company, Boston, Mass. Electric pump. 1,804,375; May 5.
Cobe, Harry H., Chelsea, assignor to Cobe Engineering Company, Boston, Mass. Electromagnetic reciprocating mechanism. 1,804,376; May 5.
Coberly, Clarence J., assignor to Kobe, Inc., Los Angeles, Calif. Cutting torch with multiplicity of orifices. Re17,969; Feb. 17.
Coberly, Clarence J., assignor to Kobe, Inc., Los Angeles, Calif. Auxiliary jet cutting tip for cutting torches and using same. 1,791,158; Feb. 3.
Coberly, Clarence J., assignor to Kobe, Inc., Los Angeles, Calif. Diverging jet cutting tip for cutting torches and using same. 1,791,159; Feb. 3.
Coberly, Clarence J., assignor to Kobe, Inc., Los Angeles, Calif. Cutting torch with noninterfering converging jets. 1,799,612; Apr. 7.
Coberly, Clarence J., assignor to Kobe, Inc., Los Angeles, Calif. Cutting metal with a cutting gas. 1,799,613; Apr. 7.
Coberly, Clarence J., assignor to Kobe, Inc., Los Angeles, Calif. Producing slots. 1,799,614; Apr. 7.
Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Deep well fluid motor pump. 1,828,857; Oct. 27.
Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Apparatus for producing slots. 1,835,378; Dec. 8.
Coble, Earl W. (See Williams, F. M., and Coble.)
Coble, Lucian G., Greensboro, N. C. Dental articulator. 1,811,747; June 23.
Cobourn, Delbert F., Portsmouth, Ohio, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for controlling railway switches. 1,797,327; Mar. 24.
Coburn, Ernest, Spokane, Wash. Oil can. 1,791,885; Feb. 10.
Coburn, Harry W. (See Bates, D. M., and Coburn.)
Coca-Cola Company, The. (See Staton, John C., assignor.)
Cochane Corporation. (See Dahl-Rode, Svein, assignor.)
Cochran, Ben L., Duncan, Okla., assignor to Magnolia Petroleum Company, Dallas, Tex. Trailer. 1,804,089; May 5.
Cochran, Clyde E., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. Re18,041; Apr. 14.
Cochran, Clyde E., assignor to The Elwell Parker Electric Company, Cleveland, Ohio. Truck for handling paper rolls and other articles. Re18,042; Apr. 14.
Cochran, G. H. (See Decker, Filo J., assignor.)
Cochran, H. E., et al. (See Hulack, E., and Nissrod, assignors.)
Cochran, Harry B. (See Cole, A. G., and Cochran.)
Cochran, Joseph T., Chicago, Ill. Sign. 1,820,964; Sept. 1.
Cochran, Morey D., assignor to Industrial Solvents, Inc., Indianapolis, Ind. Liquid container. 1,811,493; June 23.
Cochran, Rae E. (See Hyatt, R. D., and Cochran.)
Cochran, Rae E., assignor to The D. L. Auld Company, Columbus, Ohio. Hub cap. 1,807,965; June 2.
Cochran, Ralf S., assignor to The Surface Combustion Co., Incorporated, Toledo, Ohio. Heat-treating furnace. 1,792,074; Feb. 10.
Cochran, Ralf S., assignor to The Surface Combustion Co., Incorporated, Toledo, Ohio. Furnace. 1,793,209; Feb. 17.
Cochran, Ralf S., and A. L. Larsen, assignors to Surface Combustion Corporation, Toledo, Ohio. Unloading steel sheets from carrier sheets. 1,838,529; Dec. 29.
Cochrane Corporation. (See Elfreth, Harold D., assignor.)
Cochrane Corporation. (See Gibson, George H., assignor.)
Cochrane Corporation. (See Wagner, F., and Mitchell, assignors.)
Cochrane, Robert L., Chicago, Ill., assignor to National Lock Washer Company, Newark, N. J. Wrench. 1,832,185; Nov. 17.
Cochrane, Walter S., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Crank case ventilator. 1,822,201; Sept. 8.
Cockburn, Francis B., assignor to The Lodge Shipley Machine Tool Company, Cincinnati, Ohio. Apron disc transmission mechanism. 1,816,960; Aug. 4.
Cocker, George B., assignor to Cocker Machine and Foundry Company, Gastonia, N. C. Winding machine. 1,838,052; Dec. 22.
Cocker Machine and Foundry Company. (See Cocker, George B., assignor.)
Cockerill, Walter G. (See Powers, George E., assignor.)
Cockrill, Leonard O., et al. (See Chandler, Charlie A., assignor.)
Cocks, George W. (See Behringer, E., and Cocks.)
Cocks, Harry J., assignor to Metal Products Company, Des Moines, Iowa. Accelerator push rod control. 1,813,279; July 7.
Cocks, Harry J., assignor to Metal Products Company, Des Moines, Iowa. Automobile heater. 1,830,090; Nov. 3.
Cocroft, Susanna, New York, N. Y. Hair-waving device. 1,793,061; Feb. 17.
Coddington, George D. C., West Middletown, Ohio. Honeycomb foundation. 1,830,592; Nov. 3.
Coddington, Harry W., Roanoke, Va. Oil cellar for driving boxes. 1,806,594; May 26.
Coderre, Ernest O. (See Coderre, Eugene and E. O.)
Coderre, Eugene and E. O., Auburn, Mass. Washstand. 1,834,122; Dec. 1.
Codner, Elmer J., assignor to Yeomans Brothers Company, Chicago, Ill. Lubricator for pumps. 1,830,424; Nov. 3.
Coe, Benjamin S., assignor to Steele and Johnson Manufacturing Company, Waterbury, Conn. Combination ash-receiver and match holder. Des. 85,366; Oct. 20.
Coe, Clifton P. (See Coe, Harlan and C. P.)
Coe, Florence A. (See Coe, Harry P., assignor.)
Coe, Frank S., assignor to American Bosch Magneto Corporation, Springfield, Mass. Bracket for tuners. 1,818,693; Aug. 11.
Coe, Harlan, Spokane, and C. P. Coe, Plaza, Wash. Grain drill disk. 1,821,829; Sept. 1.
Coe, Harry P., New York, assignor to F. A. Coe., Scarsdale, N. Y. Drying machine for lumber and the like. 1,833,880; Nov. 24.
Coe, James R., assignor to The American Brass Company, Waterbury, Conn. Radiator. 1,790,535; Jan. 27.
Coe Laboratories, Inc. (See Clark, Walter J. assignor.)
Coe Manufacturing Company, The. (See Milbourn, Frank W., assignor.)
Coe Manufacturing Company, The. (See Moore, Richard C., assignor.)
Coe, W. H., Manufacturing Company. (See Swallow, Stuart H., assignor.)
Coeling, John P., Sheboygan, Wis. Cutting head for shapers. 1,810,947; June 23.
Coen, Claude C., Culver, Oreg. Knob for radio sets. 1,791,798; Feb. 10.
Coffelt, Oscar T. (See Hopkins, R. Z., Fellers, and Coffelt.)
Coffelt, Oscar T., Grosse Pointe Park, Mich. Recovering titanium from its ores. 1,795,361; Mar. 10.
Coffield, Henry A., Marfa, Tex. Valve device. 1,837,653; Dec. 22.
Coffin, Edward F. (See Lombard, Nathaniel, assignor.)
Coffin, Joel S., jr., Englewood, assignor to C-S Engineering Company, Jersey City, N. J. Locomotive front end construction. 1,803,793; May 5.

Coffin, Joseph G., assignor to Mustomatik Specialties. Inc., New York, N. Y. Mustard dispensing device. 1,817,293; Aug. 4.
Coffin Valve Company. (See Belcher, Donald M., assignor.)
Coffing, Fredrick W., Perrysville, Ind. Flag clamp for poles. 1,819,768; Aug. 18.
Coffing, Fredrick W., Perrysville, Ind. Chain jack. 1,820,894; Aug. 25.
Coffman, Lily O., et al. (See Reed, Andrew H., assignor.)
Coffman, Roscoe A., Hollywood, Calif. Engine. 1,797,328; Mar. 24.
Coffman, Roscoe A., Hollywood, Calif. Turbine. 1,826,453; Oct. 6.
Coffman, Samuel M., et al. (See Reed, Andrew H., assignor.)
Cofrin, Austin E., Green Bay, Wis. Paper-making machine. 1,790,536; Jan. 27.
Cofrin, Austin E., Green Bay, Wis. Paper making machine. 1,826,735; Oct. 13.
Cofrin, Austin E., Green Bay, Wis. Paper making machine and process. 1,832,844; Nov. 24.
Cogan, Leslie L., assignor of one-half to R. R. Rhodes, Peru, Ind. Journal box. 1,806,044; May 19.
Cogan, Thomas E. (See Barrera, Carlos, assignor.)
Coggeshall, Allan, et al. (See Richardson, Henry F., assignor.)
Coggeshall, George W., Washington, D. C. Recovering oil from oil sands. 1,822,271; Sept. 8.
Coggon, Harry F., Halifax, England. Toy vehicle. 1,791,070; Feb. 3.
Coggon, Harry F., Halifax, England. Apparatus for playing games. 1,791,071; Feb. 3.
Coghill, Robert D., Roslyn Dunedin, New Zealand. Treatment of fibres or fibrous materials. 1,825,178; Sept. 29.
Coghlin, Bernard W., and G. Picard, Montreal, Quebec, Canada. Rail anchor. 1,790,899; Feb. 3.
Cogley, William H., Greenacres, Wash. Water gate. 1,820,441; Aug. 25.
Cogswell, Edward M., et al., executors. (See Cogswell, Leander A.)
Cogswell, Leander A., deceased; E. M. Cogswell, Henniker, A. M. Heard, and F. L. Clarke, Manchester, N. H., executors, assignors to Lacene Manufacturing Company, Manchester, N. H. Grading machine. 1,820,010; Aug. 25.
Cohan, Henry. (See Seidman, H., and Cohan.)
Cohen, David G., Brooklyn, N. Y. Combined radio phonograph recorder, phonograph, radio and circuit therefor. 1,821,495; Sept. 1.
Cohen, Daniel R. (See Rohn, Frederick G., assignor.)
Cohen, David G., Brooklyn, N. Y. Radio and sound reproducing and recording device. 1,821,496; Sept. 1.
Cohen, Earl. (See Friedman, Abraham, assignor.)
Cohen, Henry, Malden, Mass. Combination cabinet and base for radio receiving set. Des. 82,977; Jan. 6.
Cohen, Jacob, Worcester, Mass., assignor to Royal Worcester Corset Company. Self-adjusting garment. 1,817,236; Aug. 4.
Cohen, Joseph H., Bridgeport, Conn. Cigar lighter. Des. 84,463; June 23.
Cohen, Joseph H., Bridgeport, Conn. Cigar lighter. Des. 84,464; June 23.
Cohen, Joseph H., Bridgeport, Conn. Cigar lighter. Des. 85,635; Dec. 1.
Cohen, Joseph H., Bridgeport, Conn. Cigar lighter. 1,834,122; Dec. 1.
Cohen, Julian S., New York, N. Y. Food product. 1,806,576; May 19.
Cohen, Louis, et al. (See Lawrence, James A., assignor.)
Cohen, Louis, Washington, D. C. Radio signaling. 1,813,563; July 7.
Cohen, Louis, Washington, D. C. Radiosignaling. 1,821,906; Sept. 1.
Cohen, Louis, Washington, D. C., and August Hund, Battery Park, Md. Radiosignaling. 1,792,144; Feb. 10.
Cohen, Louis, Washington, D. C., and A. Hund, Battery Park, Md. Radiosignaling. 1,798,012; Mar. 24.
Cohen, Michael, Baltimore, Md. Wedding ring. 1,830,929; Nov. 10.
Cohen, Rubin, assignor to Haymon Krupp & Company, El Paso, Tex. Garment. 1,837,654; Dec. 22.
Cohen, Rudolph, Rochester, N. Y. Making coats and coat produced by such method. 1,810,160; June 16.
Cohen, Samuel H., Malden, and J. Wasserman, Cambridge, Mass. Flashing structure. 1,811,039; June 23.
Cohen, Simon D., San Francisco, Calif. Knitting machine. 1,824,260; Sept. 22.
Cohen-Venezian, Carlo, Turin, Italy. Vehicle with load lifting means. 1,817,859; Aug. 4.
Cohn, Irwin, New York, N. Y. Doll. Des. 84,398; June 16.
Cohn, Leo, Los Angeles, Calif. Bracelet. Des. 83,511; Mar. 3.
Cohn, Leo, Los Angeles, Calif. Watchcase. Des. 83,721; Mar. 24.
Cohn, Leo, Los Angeles, Calif. Bracelet. Des. 84,680; July 21.
Cohn, Loyal B. (See Nichol, Orr T., assignor.)
Cohn, Mary, New York, N. Y. Voice doll rattle. 1,818,306; Aug. 11.
Cohn, Samuel, New York, N. Y. Method and apparatus for handling tubular textile fabric. 1,790,655; Feb. 3.
Cohoe Processes, Inc. (See Cohoe, Wallace P., assignor.)
Cohoe, Wallace P., Riverdale-on-Hudson, assignor to Cohoe Processes, Inc., New York, N. Y. Machine for and method of dyeing cloth and otherwise treating textiles. 1,803,664; May 5.
Cohon, Benjamin J., New York, N. Y., assignor to D. Kaltman & Co. Inc., Jersey City, N. J. Undergarment. 1,830,528; Nov. 3.
Coibion, Burdette R., Maywood, Ill. Baseball game board. Des. 84,465; June 23.
Coker, Frederick L., Los Angeles, Calif. Internal-combustion engine. 1,800,677; Apr. 14.
Coker, J. B., et al. (See Beattie, Orville S., assignor.)
Coker, Samuel W., Lubbock, Tex. Agricultural implement. 1,813,438; July 7.
Colangelo, Antony, Revere, Mass. Mop holder and wringer. 1,807,387; May 26.
Colavecchio, Benedict, Providence, R. I. Buckle. Des. 83,512; Mar. 3.
Colberg, George A., J. D. Harrison, and J. Winterberger, Yale, Mich. Radiator cement. 1,808,637; June 2.
Colbert, Benjamine H., Bainbridge, Ga. Holder for the globes of street lamps. 1,798,013; Mar. 24.
Colbert, George F., and W. H., Pittsburgh, Pa., assignors to Liberty Mirror Works. Ornamental mirror and making it. 1,788,562; Jan. 13.
Colbert, George F., and W. H., Pittsburgh, Pa., assignors to Liberty Mirror Works. Making ornamental mirrors. 1,802,168; Apr. 21.
Colbert, George F. and W. H., Pittsburgh, Pa., assignors to Liberty Mirror Works. Ornamental composite glass. 1,802,169; Apr. 21.
Colbert, George F., and W. H., Pittsburgh, Pa,. assignors to Liberty Mirror Works. Ornamental composite glass. 1,802,170; Apr. 21.
Colbert, William H. (See Colbert, George F. and W. H.)
Colbjörnsen, Bjarne, Gaddviken, near Stockholm, Sweden. Treating reaction products of phosphates and sulphuric acid. 1,809,473; June 9.
Colburn, Harry, Detroit, Mich. Steam gun. 1,799,502; Apr. 7.
Colby, Delores S., Waterways, Alberta, Canada. Airship. 1,822,202; Sept. 8.
Colby, Harold L., Milton, assignor to C. W. McConnel, Boston, E. Macleod, Westwood, and F. A. Morrison, Newton, trustees, doing business as Mason Regulator Company, Boston, Mass. Valve operating mechanism. 1,834,048; Dec. 1.
Colby, John D., Everett, Mass., and O. M. Colby, Alton, N. H. Handling loose material. 1,796,747; Mar. 17.
Colby, Oliver M. (See Colby, John D. and O. M.)
Colby, Ora A., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Dental furnace. 1,810,643; June 16.
Colby, Ora A., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Material container for dental furnaces. 1,823,968; Sept. 22.
Colby, Vincent V., assignor to International Register Company, Chicago, Ill. Cutting machine and support. 1,799,215; Apr. 7.
Colby, Willis H., Morehead City, N. C. Child's building block. 1,809,508; June 9.
Cold Spring Granite Co. Inc. (See Alexander, John C., assignor.)
Coldwell, Clarence B. (See Wilkin, J. T., and Coldwell.)
Coldwell, Frank T., Alplaus, N. Y., assignor to General Electric Company. Control arrangement for electric switches. 1,836,790; Dec. 15.
Coldwell, Frank T., Alplaus, N. Y., assignor to General Electric Company. Control of electric switches. 1,836,838; Dec. 15.
Coldwell, Harry T., assignor to Philadelphia Lawn Mower Company, Inc., Philadelphia, Pa. Stationary knife for lawn mowers. 1,809,810; June 9.
Coldwell, John S., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Plug cap for separable attachment plugs. 1,824,657; Sept. 22.
Coldwell Lawn Mower Company. (See Smith, Alvin L., assignor.)
Cole, Amos G., Lewistown, and H. B. Cochran, Reedsville, assignors to Standard Steel Works Company, Philadelphia, Pa. Tire mold and its manufacture. 1,831,288; Nov. 10.
Cole, Charles B., and O. L. Lewis, Chicago, Ill. Machine for boring cylinders. 1,814,078; July 14.
Cole, Charles B., and O. L. Lewis, Chicago, Ill. Tool carrying head. 1,814,079; July 14.
Cole, Charles E., Cripple Creek, Colo. Paper weight. 1,813,280; July 7.
Cole, David, El Paso, Tex. Stall storage system. 1,829,923; Nov. 3.
Cole, David, El Paso, Tex. Rotary drum structure. 1,832,361; Nov. 17.
Cole, Donovan W. (See Smith, F. E., and Cole.)
Cole, Edward P., Chicago, Ill. Incinerator. 1,835,635; Dec. 8.
Cole, Edward S., New York, N. Y. Flow recording and registering device. 1,798,589; Mar. 31.
Cole, Edward S., New York, N. Y. Orifice for flow measuring systems. 1,809,376; June 9.
Cole, Edward S., New York, N. Y. Pitot tube connection or rod meter. 1,810,907; June 23.
Cole, Ellis P., Chicago, Ill. Resonator. 1,802,593; Apr. 28.

Cole, Elwyn Z., Philadelphia, Pa. Nut lock. 1,809,620; June 9.
Cole, Eugene M., Charlotte, N. C. Ridging or hilling machine. 1,801,036; Apr. 14.
Cole, Frank A., Altoona, Pa. Carburetor. 1,826,202; Oct. 6.
Cole, Frank O., assignor to The Timken-Detroit Company, Detroit, Mich. Oil burner. 1,799,355; Apr. 7.
Cole, George H., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Lighting fixture. 1,797,050; Mar. 17.
Cole, George H., assignor to Line Material Company, Milwaukee, Wis. Lighting fixture. 1,824,873; Sept. 29.
Cole, Harry C., Philadelphia, Pa. Method of and apparatus for printing and waxing paper in one operation. 1,792,414; Feb. 10.
Cole, Henry, Company. (See Mayer, Leo, assignor.)
Cole, Horace L., and R. B. George, Sharon, Pa., assignors to Westinghouse Electric and Manufacturing Company. Tap-changing system. 1,794,945; Mar. 3.
Cole, James D., Cleveland Heights, assignor to The Domestic Electric Company, Cleveland, Ohio. Deodorizing unit. 1,798,457; Mar. 31.
Cole, James D., Cleveland Heights, assignor, by mesne assignments, to The A. I. Root Company, Medina, Ohio. Air circulating and clarifying unit. 1,819,498; Aug. 18.
Cole, James D., Cleveland Heights, assignor to The Domestic Electric Company, Cleveland, Ohio. Exerciser mechanism. 1,837,530; Dec. 22.
Cole, James D., Cleveland Heights, assignor to The Domestic Electric Company, Cleveland, Ohio. Exercising device. 1,837,531; Dec. 22.
Cole, James D., Cleveland Heights, assignor to Domestic Electric Company, Cleveland, Ohio. Exerciser mechanism. 1,837,532; Dec. 22.
Cole, James R., et al. (See Crockett, Thomas E., assignor.)
Cole, James R., Tulsa, Okla. Power unit. 1,812,258; June 30.
Cole, James R., Tulsa, Okla. Deflector. 1,815,035; July 21.
Cole, James R., Tulsa County, Okla. Stuffing box and packing therefor. 1,815,036; July 21.
Cole, John M. (See Schimpf, Walter H., assignor.)
Cole, John M. (See Wolarsky, Isadore, assignor.)
Cole, Noah H., Grove City, Pa. Box quilt. 1,829,820; Nov. 3.
Cole, Norman W. (See Stoody, Winston F., and S. M., and Cole.)
Cole, Perry C., Clay Center, Kans. Elevating grader. 1,804,399; May 12.
Cole, Raymond A. (See Cook, J., Spence, and Cole.)
Cole, Raymond A., assignor to Norton Company, Worcester, Mass. Work size mechanism for grinding machines. 1,815,049; July 21.
Cole, Raymond T., Wakefield, Mass. Garden stake and attaching means therefor. 1,793,734; Feb. 24.
Cole, Richard G., Canterbury, Victoria, Australia. Apparatus to assist in the art of swimming. 1,803,095; Apr. 28.
Cole, Samuel F., St. Joseph, Mo. Automatic back scratcher for animals. 1,800,602; Apr. 14.
Cole, Samuel I., New York, N. Y., assignor to Aerovox Wireless Corporation. Condenser. 1,832,098; Nov. 17.
Cole, Sandford S., Pittsburgh, Pa., assignor to The Koppers Company. Refractory and making the same. 1,798,972; Mar. 31.
Cole, Sandford S., Pittsburgh, Pa., assignor to The Koppers Company. Standpipe apparatus. 1,800,717; Apr. 14.
Cole, Victor G., Elwood, Ind. Nut lock. 1,837,760; Dec. 22.
Cole, William H., Paris, France. Proofing of metal against corrosion and particularly of iron and steel against rust. 1,826,866; Oct. 13.
Colean, Miles L., Chicago, Ill. Wall faced with panels. 1,801,541; Apr. 21.
Colegrove, Bela H. (See Mallum, Frank D. A., assignor.)
Colella, Louis, Detroit, Mich. Riding device. 1,821,462; Sept. 1.
Coleman Auto Spring Suspension Company. (See Coleman, Stephen L. C., assignor.)
Coleman, Clyde J., London, England. Lens of photographic cameras, picture projecting apparatus and other like optical devices. 1,813,439; July 7.
Coleman, Jacques G., Woodmere, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Blade package. 1,801,224; Apr. 14.
Coleman, Jacques G., Woodmere, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Knife. 1,816,422; July 28.
Coleman, Jacques G., Woodmere, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,817,966; Aug. 11.
Coleman, Jacques G., Woodmere, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,826,600; Oct. 6.
Coleman, James A. (See Oskenholt, J. N., and Coleman.)
Coleman, James H., Cleveland, Ohio. Automobile headlight. 1,789,806; Jan. 20.
Coleman, John B. (See Munroe, T., and Coleman.)
Coleman, John P., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-switch-operating apparatus. 1,789,894; Jan. 20.
Coleman, John P., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,791,799; Feb. 10.
Coleman, John P., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway interlocking apparatus. 1,820,049; Aug. 25.
Coleman Lamp and Stove Co. (See McCutchen, John E., assignor.)
Coleman, Leo J., et al. (See Thompson, Thomas, assignor.)
Coleman, Morris, Lynn, Mass. Fruit picker. 1,799,887; Apr. 7.
Coleman, Robert B. and W. R. Hamilton, assignors to By-Products Fuel Machine Co., Los Angeles, Calif. Material compressor. 1,788,791; Jan. 13.
Coleman, Roy E., Meriden, assignor, by mesne assignments, to The Monewatt Electric Corporation, Bridgeport, Conn. Cold-molded insulation. 1,799,004; Mar. 31.
Coleman, Roy E., Meriden, assignor, by mesne assignments, to The Monowatt Electric Corporation, Bridgeport, Conn. Colored cold molded insulation. 1,825,620; Sept. 29.
Coleman, Roy E., and F. J. Groten, Meriden, assignors, by mesne assignments, to The Monowatt Electric Corporation, Bridgeport, Conn. Moldable material and process. 1,808,529; June 2.
Coleman, Stephen L. C., Fredericton, New Brunswick, Canada, assignor to Coleman Auto Spring Suspension Company, Limited. Vehicle suspension. Re18,177; Sept. 8.
Coleman, Stephen N., Sylacauga, Ala. Spring support for ladies' shoes. 1,833,962; Dec. 1.
Coleman, Stewart P., Houston, and B. Mead, Bayton, Tex., assignors to Standard Oil Development Company. Purification of gas. 1,832,448; Nov. 17.
Coleman, Thomas, jr., Clarksburg, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass furnace. 1,838,530; Dec. 29.
Coleman, William B. (See Bonney, R. D., and Coleman.)
Coles, Henry L. (See Donaldson, J. C., and Coles.)
Coles, Henry L., assignor to Guardian Metals Company, Hamilton, Ohio. Casting metals. 1,815,186; July 21.
Coles, Henry L., assignor to Guardian Metals Company, Hamilton, Ohio. Safe and vault member and construction. 1,815,187; July 21.
Coles, Peyton S., Atlanta, Ga. Windshield. 1,815,834; July 21.
Coletti, Joseph, New York, N. Y. Facial spray device. 1,795,329; Mar. 10.
Coley, Archibald T. (See Martin, P. J., and Coley.)
Coley, Henry E., London, England. Reduction of ores, oxides, and the like. 1,797,130; Mar. 17.
Coley, Henry E., London, England. Manufacture of zinc. 1,806,596; May 26.
Coley, Henry E., London, England. Reduction of ores, oxides, and the like. 1,829,438; Oct. 27.
Coley, Henry E., London, England. Apparatus for the reduction of ores, oxides, and the like. 1,839,086; Dec. 29.
Coley, James, assignor to Wildt and Company Limited, Leicester, England. Yarn winding machine. 1,822,391; Sept. 8.
Colgate-Palmolive-Peet Company et al. (See Holliday, Robert L., assignor.)
Colina, William, assignor to Scovill Manufacturing Company, Waterbury, Conn. Hub cap. 1,832,003; Nov. 17.
Colitz, Jacob, Chicago, Ill. Wire dispensing apparatus. 1,819,734; Aug. 18.
Colitz, Jacob, Chicago, Ill. Conduit receptacle. 1,826,708; Oct. 13.
Colladay, Edward F. (See Clement, Edward E., assignor.)
Collantes, José, Mexico, Mexico. System of plates for filing plans or drawings. 1,835,381; Dec. 8.
Collard, Georges A. L. R., Vienne (Isere), assignor to Comptoir Lyon-Alemand, Paris, France. Separating platinum from the other precious metals. 1,808,594; June 2.
Collaro, Christopher, Peckham, London, assignor to Henry Developments Limited, London, England. Talking machine. 1,838,531; Dec. 29.
Colle, Achilles. (See Colle, Jules J. and A.)
Colle, Jules J. and A., Summit, N. J. Treatment of bulbs, roots, corms, tubers, and the like. 1,789,068; Jan. 13
Collection Equipment Corporation. (See Howard, William S., assignor.)
Collen, Robert H., Blackwater, East Ham, assignor of one-half to John Broadwood & Sons Limited, London, England. Pneumatically operated pianoforte. 1,827,563; Oct. 13.
Collet, Maurice, assignor to Les Fils d'Albert Collet, Paris, France. Ballast tamping machine. 1,819,945; Aug. 18.
Colley, George F., Memphis, Tenn. Tool. 1,815,665; July 21.
Collier, Harry R., Tacoma, Wash. Package elevator. 1,793,062; Feb. 17.
Collier, Henry D., assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Fitting for fluid containers. 1,816,004; July 28.
Collier, William H., assignor to Pines Winterfront Co., Chicago, Ill. Manually controlled switch for automobiles. 1,832,857; Nov. 24.
Collier, William J., New York N. Y. Composition for artificial parts for corpses. 1,811,384; June 23.
Collin, Louis. (See Laffineur, E., and Collin.)

Collinet, John J., assignor to Drying Systems, Inc., Chicago, Ill. Toggle clamp. 1,808,020; June 2.
Collingham, Robert H., Rugby, England, assignor to General Electric Company. Elastic fluid turbine. 1,825,580; Sept. 29.
Collings, William R., assignor to The Dow Chemical Company, Midland, Mich. Treating brine. 1,796,920; Mar. 17.
Collings, William R., assignor to The Dow Chemical Company, Midland, Mich. Making magnesium chloride from chlorine and a magnesium base. 1,801,661; Apr. 21.
Collings, William R. and J. J. Shafer, assignors to The Dow Chemical Company, Midland, Mich. Calcium-magnesium chloride and making same. 1,796,885; Mar. 17.
Collins & Aikman Corporation. (See Costello, J. P., and O'Connell, assignors.)
Collins & Aikman Corporation. (See Rockwell, C. B., jr., and Bird, assignors.)
Collins, Anthony H., Bronxville, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Portable percussive tool. 1,792,893; Feb. 17.
Collins, Anthony H., Bronxville, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Manually-supported power tool. 1,792,894; Feb. 17.
Collins, Arnold M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition and article coated therewith. 1,812,544; June 30.
Collins, Arnold M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic drying oil and making it. 1,812,849; June 30.
Collins, Arthur E., Cuyahoga Falls, Ohio, assignor, by mesne assignment, to The Miller Rubber Company, Inc., Wilmington, Del. Pressing and trimming tape reenforced seams of sheet rubber articles. 1,812,286; June 30.
Collins, Arthur E., Cuyahoga Falls, Ohio, assignor, by mesne assignments, to The Miller Rubber Company, Inc., Wilmington, Del. Apparatus for reenforcing the seams of bathing caps and other articles. 1,828,997; Oct. 27.
Collins, Arthur E., Cuyahoga Falls, Ohio, assignor, by mesne assignments, to The Miller Rubber Company, Inc., Wilmington, Del. Method of and apparatus for making bathing caps and similar articles. 1,829,211; Oct. 27.
Collins, Arthur E., and S. D. McLaughlin, Akron, Ohio, assignors, by mesne assignments, to Miller Rubber Company Inc., Wilmington, Del. Cutting machine. 1,797,638; Mar. 24.
Collins, Carroll B., Pittsburgh, Pa., assignor to The Koppers Company. Gas purification apparatus. 1,821,090; Sept. 1.
Collins, Charles D., New York, assignor to American Cyanamid Company, New York, N. Y. Apparatus for spraying. 1,806,192; May 19.
Collins, Charles D., assignor to American Cyanamid Company, New York, N. Y. Cylinder type fumigating applicator. 1,814,504; July 14.
Collins, Cyril A., Dearborn, Mich. Automatic water feeder. 1,833,963; Dec. 1.
Collins Development Corporation. (See Carpenter, Charles W., assignor.)
Collins, Frank, assignor to Mutual-Sunset Lamp Mfg. Co., Inc., New York, N. Y. Making light-diffusing panels. 1,795,294; Mar. 10.
Collins, Frank M., Fullerton, Calif. Indicating means for wells. 1,822,203; Sept. 8.
Collins, Fred C., Akron, Ohio. Tire display stand. 1,810,345; June 16.
Collins, Fred J., assignor to Collins Loom Works, Inc., Amsterdam, N. Y. All metal spool. 1,825,508; Sept. 29.
Collins, George. (See Condon, Wilfred H., assignor.)
Collins, Glenville A., San Marino, Calif. Boiler construction. 1,824,874; Sept. 29.
Collins, Glenville A., assignor to Collins Western Corporation, Los Angeles, Calif. Furnace economizer, auxiliary boiler, and water screen combined. 1,790,199; Jan. 27.
Collins, Gordon V., Hamilton, assignor to J. K. Richardson, St. Mary's, Ontario, Canada. Check valve for volatile liquids. 1,805,480; May 19.
Collins, Horatio J., London, England. Causing solids to be penetrated by or impregnated with liquids or solutions of various substances. 1,925,509; Sept. 29.
Collins, Hubert D. (See Wright, R. L., and Collins.)
Collins, James G. (See Penniman, J. H., and Collins.)
Collins, James G., assignor to Atlas Press Company, Kalamazoo, Mich. Wrecking crane. 1,794,148; Feb. 24.
Collins, James G., assignor to Atlas Press Company, Kalamazoo, Mich. Stand and control means for electric portable drills. 1,794,149; Feb. 24.
Collins, James G., assignor to Atlas Press Company, Kalamazoo, Mich. Engine stand. 1,812,585; June 30.
Collins, James L., Dallas, Tex. Automatic telephone responding apparatus. 1,828,733; Oct. 27.
Collins, John, et al. (See Shea, John H., assignor.)
Collins, John A., Oakland, Calif. Artificial limb. 1,804,915; May 12.
Collins, John G. and W. J. Reardon, Detroit, Mich., assignors to National Alloys Co. Casting molten metal. 1,800,983; Apr. 14.
Collins, John L., assignor to The Warner Corporation, Syracuse, N. Y. Friction clutch. 1,837,409; Dec. 22.
Collins, John N., York, Pa., assignor to The Shirtcraft Co. Inc., New York, N. Y. Collar. Re18,161; Aug. 25.
Collins, Justus, Charleston, W. Va. Tire gauge valve. 1,820,120; Aug. 25.
Collins, Lester W., assignor to Ansul Chemical Company of California, Modesto, Calif. Sterilizing fruit in refrigerator cars. 1,806,012; May 19.
Collins Loom Works, Inc. (See Collins, Fred J., assignor.)
Collins, Patrick B., Dorchester, Mass. Shirt. 1,804,319; May 5.
Collins, Robert E., assignor of one-fourth to C. G. Chumos, Topeka, Kans. Coin-operated liquid dispensing machine. 1,787,723; Jan. 6.
Collins, Robert G., Philadelphia, Pa. Binder strip for floor coverings. 1,813,025; July 7.
Collins, Samuel A., Oneco, Fla. Automatic spark control. 1,798,522; Mar. 31.
Collins Supply and Equipment Company. (See Munson, Willard T., assignor.)
Collins, Tappan, Dormont, Pa. Measuring the amount of water contained in moist sand or gravel. 1,806,538; May 19.
Collins, Walter H., Summitt, N. J. Chick feed trough. 1,794,589; Mar. 3.
Collins Western Corporation. (See Collins, Glenville A., assignor.)
Collins, William D. (See Ploeger, C. E., and Collins.)
Collins, William D. (See Sellman, F. E., and Collins.)
Collins, William D., Evansville, Ind., assignor to Servel Inc., New York, N. Y. Refrigerator cabinet. Des. 83,389; Feb. 17.
Collins, William D., and C. E. Ploeger, Evansville, Ind., assignors to Servel Inc., New York, N. Y. Refrigeration. 1,837,253; Dec. 22.
Collins, William D., and E. Widerborg, Evansville, Ind., assignors, by mesne assignments, to Servel, Inc., New York, N. Y. Floating motor pulley. 1,800,718; Apr. 14.
Collis' Bag-Sewer Limited. (See Collis, H. W., and Williams, assignors.)
Collis Company, The. (See Bouda, Bohumil, assignor.)
Collis Company, The. (See Carr, Ernest R., assignor.)
Collis, Henry J., Taunton, Mass. Skating sandal. 1,798,590; Mar. 31.
Collis, Herbert W., and J. J. Williams, Juglong, assignors to Collis' Bag-Sewer Limited, Sydney, New South Wales, Australia. Apparatus for sewing bags or the like. 1,794,366; Mar. 3.
Collis, Raymond E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,795,640; Mar. 10.
Collis, Raymond E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,804,150; May 5.
Collis, Raymond E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call charging telephone exchange system. 1,837,206; Dec. 22.
Collison, George A., Port Chester, N. Y. Jack. 1,796,084; Mar. 10.
Collison, William J., Bakersfield, Calif. Water closet valve. 1,812,774; June 30.
Collocott, Albert J., South Melbourne, Victoria, Australia. Claw hammer and other like tool for extracting nails and the like. 1,833,603; Nov. 24.
Colloidal Equipment Corporation. (See Cunniff, B., and Lee, assignors.
Collom, Clarence B., and D. Horton, assignors of fifty percent to W. L. Thornton and F. W. Bartlett, Dallas, Tex. Grappling tongs. 1,825,179; Sept. 29.
Collyear, John R. (See Baxenden, T. G., and Collyear.)
Collyer, Emery J., Henryetta, Okla. Engine. 1,810,130; June 16.
Collyer Insulated Wire Co. (See Walker, Lawrence D., assignor.)
Colman, Barbara. (See Morel, Louise, assignor.)
Colman, Howard D. (See Peterson, B. A., and Marcellus, assignors.)
Colman, Howard D. (See Smith, Clarence E., assignor.)
Colman, Howard D. (See Stewart, Duncan J., assignor.)
Colman, Howard D. (See Stewart, D. J., and Lilja, assignors.)
Colman, Howard D., Rockford, Ill. Thermostat. 1,807,306; May 26.
Colman, Howard D., Rockford, Ill. Overload release mechanism. 1,815,345; July 21.
Colman, Howard D., Rockford, Ill. Motor driven operator. 1,815,397; July 21.
Colman, Howard D., Rockford, Ill. Motor control mechanism. 1,815,398; July 21.
Colmant, Albert L., Clamart, France. Fuel-feeding device for internal-combustion motors. 1,797,975; Mar. 24.
Colmerauer, Andrew J. (See Grau, H. E., and Colmerauer.)
Colomb, Henri, Tavannes, Switzerland. Multiple drawplate available to the manufacture of artificial silk. 1,788,660; Jan. 13.
Colomb, Henri, Tavannes, Switzerland. Step bearing for watch movements. 1,795,362; Mar. 10.
Colombo, John, Auburn, N. Y., assignor to three-fourths to G. Siciliano, S. Piro, and F. Lo Brancko, York, Pa. Vehicle fender and brake. 1,816,005; July 28.

Colombo, Mario, Barcelona, Spain. Chamber for the manufacture of sulphuric acid. 1,788,482; Jan. 13.
Colonial Steel Company. (See Trembour, M. R., and Auth, assignors.)
Colonial Tool Company. (See Halborg, Carl J., assignor.)
Colonnese, Pascual, Buenos Aires, Argentina. Inviolable fastening or closure applicable to envelopes and wrappers in general. 1,791,352; Feb. 3.
Colorado Fuel and Iron Company, The. (See Lindemuth, Francis L., assignor.)
Colorado Iron Works Company. (See Dickson, Thomas A., assignor.)
Colorfuse Limited. (See Cox, Samuel J., assignor.)
Color-Ray Holding Corporation. (See Peters, Thomas K., assignor.)
Colorwater Instrument Works. (See Miner, E. L., and Leatherman, assignors.)
Colprovia Limited. (See Radcliffe, John, assignor.)
Colson Company, The. (See Chase, Lionel, assignor.)
Colson Company, The. (See Johnson, Wilfred G., assignor.)
Colson Company, The. (See Pehrsson, Johan, assignor.)
Colson Company, The. (See Roe, De Forest, assignor.)
Colson, Edwin H., Oakland, Nebr. Runner cleaner for planters. 1,815,497; July 21.
Colstad, Charles N., Attleboro, Mass. Motor boat drive. 1,807,622; June 2.
Colstad, Charles N., assignor to L. R. Smith, Attleboro, Mass., receiver of Apco Mossberg Corporation. Guiding attachment for automobiles. 1,834,682; Dec. 1.
Colt, Edwin W., assignor to Armour and Company, Chicago, Ill. Heat treatment of garnet abrasive. 1,836,448; Dec. 15.
Colt, Samuel S., Orange, N. J. Pressure exerting device. 1,809,962; June 16.
Colter, Albert W., Lansing, Mich. Two-cycle-engine construction. 1,787,856; Jan. 6.
Colton, Arthur, assignor, by mesne assignments, to Parke, Davis & Co., Detroit, Mich. Capsule machine. 1,787,777; Jan. 6.
Colton, Arthur, Company. (See Kath, Alfred W., assignor.)
Colton, Henry S. (See Singmaster, J. A., and Colton.)
Colton, James H., Berkeley, Calif., assignor to Pacific Portland Cement Company, Consolidated. Manufacturing Portland cement. 1,791,800; Feb. 10.
Colton, Lewis, et al. (See Brasty, Joseph, assignor.)
Colt's Patent Fire Arms Manufacturing Company. (See Gaidos, Alonzo F., assignor.)
Colt's Patent Fire Arms Manufacturing Co. (See Huffman, Truman, assignor.)
Colt's Patent Fire Arms Manufacturing Co. (See Ironside, George, assignor.)
Colt's Patent Fire Arms Manufacturing Co. (See Kearns, Thomas E., assignor.)
Colt's Patent Fire Arms Manufacturing Co. (See Moore, F. T., and Pfeiffer, assignors.)
Colt's Patent Fire Arms Manufacturing Co. (See Pfeiffer, Christian, assignor.)
Colt's Patent Firm Arms Manufacturing Co. (See Tansley, George H., assignor.)
Colt's Patent Fire Arms Manufacturing Co. (See Webb, George, assignor.)
Colucci, John M., Brooklyn, N. Y., assignors, by mesne assignments, to P. Silberhartz, J. Silberhartz, and H. Scheiner. Lighting fixture. 1,791,886; Feb. 10.
Columbia Axle Company, The. (See Flanigan, Charles R., assignor.)
Columbia Axle Company, The. (See Mooers, Louis P., assignor.)
Columbia Axle Company, The. (See Mooers, L. P., and Fies, assignors.)
Columbia Axle Company, The. (See Ragan, Frederick H., assignor.)
Columbia Axle Company, The. (See Weaver, Elverton W., assignor.)
Columbia Burner Company, The. (See Hall. Ernest A., assignor.)
Columbia Engineering & Management Corporation. (See Reid, Ebenezer E., assignor.)
Columbia Malleable Castings Corporation. (See Zifferer, Lothar R., assignor.)
Columbia Mills, Incorporated. (See Burns, Fred J., assignor.)
Columbia Mills Incorporated. (See Leeper, Frank, assignor.)
Columbia Mills Incorporated. (See Leeper, F., and Osbon, assignors.)
Columbia Phonograph Company. (See Capps, Frank L., assignor.)
Columbia Phonograph Company. (See Capps, F. L., and Summers, assignors.)
Columbia Phonograph Company. (See Dalton, William J., assignor.)
Columbia Phonograph Company. (See Forse, William T., assignor.)
Columbia Phonograph Company. (See Mitchell, Frank A., assignor.)
Columbia Steel Equipment Company. (See Bergmann, Philip, assignor.)
Columbian Carbon Company. (See Lewis, George C., assignor.)
Columbian Enameling & Stamping Company. (See Nelson, A. W., and Topping, assignors.)
Columbian Rope Company. (See Corbett, Herbert A., assignor.)
Columbian Rope Company. (See Metcalf, Harold G., assignor.)
Columbian Rope Company. (See Palmer, John A., assignor.)
Columbus Auto Brass Company, The. (See Donley, Harold B., assignor.)
Columbus Auto Brass Company, The. (See Frame, Augustus J., assignor.)
Columbus Auto Parts Company, The. (See Flumerfelt, William A., assignor.)
Columbus Dental Manufacturing Company, The. (See Evans, David E., assignor.)
Columbus Dental Manufacturing Company, The. (See Moyer, James H., assignor.)
Columbus Dental Manufacturing Company, The. (See Pickering, Lafayette D., assignor.)
Columbus Handle & Tool Corporation. (See Lindsey, Harry W., jr., assignor.)
Columbus Handle & Tool Corporation. (See Lutman, Frank B., assignor.)
Columbus Machine Company, The. (See Porter, Harper R., assignor.)
Columbus Machine Company, The. (See Sparks, Stanley W., assignor.)
Columbus-McKinnon Chain Corporation, The. (See Stahl, Frank E., assignor.)
Columbus Sucker Rod Company, The. (See Thorpe, Forest H., assignor.)
Columbus Vending Company, The. (See Vogel, Frank H., assignor.)
Colvin, Charles H., assignor, by mesne assignments, to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Aircraft navigation light. 1,828,097; Oct. 20.
Colvin, Charles H., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Compass mounting. 1,837,158; Dec. 15.
Colvin, Isaac E., Chicago, Ill., G. N. Manison and H. G. Walters, assignors to The Pfaulder Company, Rochester, N. Y. Processing apparatus. 1,794,670; Mar. 3.
Colvin, Jay A., Chicago, Ill. Removing plants, weeds, and the like. 1,836,449; Dec. 15.
Colvin, William E., Oakland, Calif. Short circuiting switch. 1,837,533; Dec. 22.
Colver, Edwin C., assignor to Addressograph Company, Chicago, Ill. Clutch. 1,836,450; Dec. 15.
Colwell, Zack, Niles, Ohio. Manufacturing ingots. 1,820,597; Aug. 25.
Colwill, Richard P. (See Bollmeier, L. F., and Colwill.)
Coman, John F., assignor to Adam Hat Stores, Inc., New York, N. Y. Store front. Des. 85,687; Dec. 8.
Combes, Maurice B. (See Continsouza, V., and Combes.)
Combination Boiler Co. (See Conklin, Verle D., assignor.)
Combs, Almon E., and G. D. Fisk, Fort Dodge, Kans. Sawing apparatus. 1,812,863; July 7.
Combs, Edward L., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Radiocabinet. Des. 83,956; Apr. 21.
Combs, Edward L., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Radiocabinet. Des. 83,957; Apr. 21.
Combs, Edward L., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Radiocabinet. Des. 84,733; July 28.
Combustion Engineering Corporation. (See Kreisinger, Henry, assignor.)
Combustion Utilities Corporation. (See Burke, Stephen P., assignor.)
Combustion Utilities Corporation. (See Caplan, Solomon, assignor.)
Combustion Utilities Corporation. (See Klees, Albert L., assignor.)
Combustion Utilities Corporation. (See Moorhouse, Louis B., assignor.)
Combustion Utilities Corporation. (See Soule, Roland P., assignor.)
Combustion Utilities Corporation. (See Wright, Carl J., assignor.)
Combustioneer Inc. (See May, Edward M., assignor.)
Comer, John, Windsor, Colo. Beet blocker. 1,807,511; May 26.
Comer, William T., assignor to Crystal Carbonic Laboratory, Atlanta, Ga. Beverage mixing faucet. 1,827,458; Oct. 13.
Comerford, William, Buffalo, N. Y. Resilient seat. 1,825,581; Sept. 29.
Comes, Emile, Les-Ponts-De-Martel, Switzerland. Composition for dyeing leather, shoes, gloves, and hides. 1,810,266; June 16.
Comfort, Michael, Wallingford, Conn. Lawn mower. 1,790,637; Jan. 27.
Coming Glass Works. (See Taylor, William C., assignor.)
Comins, Arthur C., Worcester, Mass. Conduit for electric wires. 1,794,102; Feb. 24.
Comins, Frank B., Newton, Mass., assignor to American Moistening Company, Providence, R. I. Centrifugal humidifier. 1,799,955; Apr. 7.
Commerce Guardian Trust & Savings Bank, The, trustee. (See Replogle, Daniel B., assignor.)
Commerce Guardian Trust & Savings Bank, The. (See Replogle, Daniel B., assignor.)
Commerce Guardian Trust & Saving Bank, The, trustee. (See Schauss, John A., assignor.)

Commercial Alcohol Company Ltd. (See Gogarten, R., and Arthur, assignors.)
Commercial Cable Company of New York, The. (See Pupin, Michael I., assignor.)
Commercial Clearing Corporation, The. (See Woelfel, George F., assignor.)
Commercial Furniture Co. (See Frankel, Isidor, assignor.)
Commercial Iron Works of Los Angeles. (See Rupp, Carl A., assignor.)
Commercial Iron Works of Los Angeles. (See Welcome, S. B., and Muff, assignors.)
Commercial National Bank, The, executor. (See Craig, Edward.)
Commercial National Bank of Shreveport, La., et al. (See Grounds, Fred A., assignor.)
Commercial Pigments Corporation. (See Blumenfeld, Joseph, assignor.)
Commercial Pigments Corporation. (See de Rohden, Charles, assignor.)
Commercial Reproducing Company. (See Cooper, Frederick C., assignor.)
Commercial Shearing & Stamping Company, The. (See Cushwa, Charles B., assignor.)
Commercial Shearing and Stamping Company, The. (See Hilton, Jack L., assignor.)
Commercial Shearing & Stamping Company, The. (See Proctor, Robert V., assignor.)
Commercial Solvents Corporation. (See Bannister, William, J., assignor.)
Commercial Solvents Corporation. (See Bloomfield, G., Martin, and Krchma, assignor.)
Commercial Solvents Corporation. (See Edmonds, William J., assignor.)
Commercial Solvents Corporation. (See Edmonds, W. J., and Krchma, assignors.)
Commercial Solvents Corporation. (See Edmonds, W. J., and Stengel, assignors.)
Commercial Solvents Corporation. (See Gabriel, Charles L., assignor.)
Commercial Solvents Corporation. (See Langwell, Herbert, assignor.)
Commercial Solvents Corporation. (See Legg, David A., assignor.)
Commercial Solvents Corporation. (See Martin, J., and Krchma, assignors.)
Commercial Solvents Corporation. (See Nevius, Walter I., assignor.)
Commercial Solvents Corporation. (See Peake, Arthur M., assignor.)
Commercial Solvents Corporation. (See Simms, Carson W., assignor.)
Commercial Solvents Corporation. (See Stengel, Leonard A., assignor.)
Commercial Solvents Corporation. (See Swallen, Lloyd C., assignor.)
Commercial Solvents Corporation. (See Swallen, L. C., and Bannister, assignors.)
Commercial Solvents Corporation. (See Woodruff, John C., assignor.)
Communication Patents, Inc. (See Nicolson, Alexander M., assignor.)
Community Construction Co. (See Doty, John W., assignor.)
Compagnie D'Applications Mecaniques. (See Rouanet, Louis, assignor.)
Compagnie de Fives-Lille. (See Théry, René V. S., assignor.)
Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camarque. (See Baget, Léon, assignor.)
Compagnie Des Forges et Acieries de La Marine Et D'Homecourt. (See Granat, Elie, assignor.)
Compagnie Francaise des Appareils Adam. (See Adam, I. C. F., and Ragody, assignors.)
Compagnie Francaise pour l'Exploitation des Procedes Thomson-Houston, et al. (See Lery, André, assignor.)
Compagnie Generale de Construction de Fours. (See Cassan, Jean H. F., assignor.)
Compagnie Generale de Telegraphie Sans Fil. (See Bethenod, Joseph, assignor.)
Compagnie International Des Freins Automatiques Societe Anonyme. (See Pieper, Henri, assignor.)
Compagnie Internationale des Pieux Armes Frankignoul, Societe Anonyme. (See Frankignoul, Edgard, assignor.)
Compagnie Internationale pour la Fabrication des Essences et Petroles. (See Houdry, Eugène, assignor.)
Compagnie International pour la Fabrication des Essences et Petroles. (See Joseph, Alfred, assignor.)
Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord, Reunies, Etablissements Kuhlmann. (See Mirocourt, Henry, assignor.)
Compagnie pour la Fabrication des Compteurs et Material d'Usines a Gaz. (See Barthelmey, René, assignor.)
Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz. (See Chirol, Maurice, assignor.)
Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz. (See Loubet, Henri R., assignor.)
Compagnie Technique des Petroles. (See Brégi, Jean H., assignor.)
Compagnies Reunis Des Glaces & Verres Speciaux Du Nord De La France. (See Despret, Georges P., assignor.)
Company Telephon-Apparat-Fabrik G. Zwietusch & Co. G. m. b. H. (See Appelius, Fritz, assignor.)
Compare, Manrico, Milan, assignor to S. A. Brovetti Italiani Esteri S. A. B. I. E., Turin, Italy. Telegraph system. 1,805,867; May 19.
Complex Ores Recoveries Company. (See Read, J. B., and Coolbaugh, assignors.)
Compo, John J., Defiance, Ohio. Muffler. 1,796,441; Mar. 17.
Compo, John J., Defiance, Ohio. Muffler. 1,829,737; Nov. 3.
Compo Shoe Machinery Corporation. (See Bresnahan, William H., assignor.)
Compressed Paper Box Corporation, The. (See Wilson, Clarence C., assignor.)
Comptoir General De Vente De La Montre Roskopf Societe Anonyme Vre. Chs. Leon Schmid & Cie. (See Jeanneret, Abram L., assignor.)
Comptoir Lyon-Alemand. (See Collard, Georges A. L. R., assignor.)
Compton, Arthur H., Wilkinsburg, Pa., assignor to Westinghouse Lamp Company. Electric lamp. 1,830,312; Nov. 3.
Compton, Clarence R., Haxtun, Colo. Toy. 1,791,401; Feb. 3.
Compton, O. W. (See Murrow, William R., assignor.)
Compton, William H., Newry, S. C. Power transmission for looms. 1,795,197; Mar. 3.
Comrie, Robert D., Southampton, England. Dispensing device. 1,827,564; Oct. 13.
Comstock, Alphonso S., Evanston, Ill. Nonmetallic truss. 1,831,161; Nov. 10.
Comstock, Carl D., Sante Fe, N. Mex. Inkbottle. 1,798,067; Mar. 24.
Comstock, Corry B., New York, N. Y. Delivering device for bakers' ovens. 1,798,657; Mar. 31.
Comstock, Corry B., assignor to Comstock Oven Company, Inc., New York, N. Y. Baker's oven. 1,789,378; Jan. 20.
Comstock, Dorothy D. (See Anthony, De F., and Stoddard, assignors.)
Comstock, Gregory J., Pittsburgh, assignor to Firth-Sterling Steel Company, McKeesport, Pa. Composition of matter. 1,815,613; July 21.
Comstock, Gregory J., Pittsburgh, Pa., assignor to Firth-Sterling Steel Company, McKeesport, Pa. Composition of matter. 1,826,454; Oct. 6.
Comstock, Gregory J., Pittsburgh, assignor to Firth-Sterling Steel Company, McKeesport, Pa. Metal aggregate. 1,826,456; Oct. 6.
Comstock Gregory J., Pittsburgh, and E. B. Welch, assignors to Firth-Sterling Steel Company, McKeesport, Pa. Composition of matter. 1,826,455; Oct. 6.
Comstock, Gregory J., Pittsburgh, and E. B. Welch, assignors to Firth-Sterling Steel Company, McKeesport, Pa. Composition of matter. 1,826,457; Oct. 6.
Comstock Oven Company. (See Comstock, Corry B., assignor.)
Comstock & Wescott, Inc. (See Troland, Leonard T., assignor.)
Comtois, Henry. (See Morier, H., and Comtois.)
Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. 1,796,360; Mar. 17.
Conant, David J., Memphis, Tenn. Pump. 1,798,787; Mar. 31.
Conant, Franklin N., assignor to The Chase-Shawmut Company, Newburyport, Mass. Plug fuse, adapter, and receptacle. 1,838,808; Dec. 29.
Conard, Frederick U., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,805,685; May 19.
Conard, Frederick U., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Forming type-bar guides. 1,820,440; Aug. 25.
Conard, Frederick U., Bridgeport, Conn., assignor by mesne assignments to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,825,143; Sept. 29.
Conard, Frederick U., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Making spacing levers for typewriting machines. 1,834,938; Dec. 8.
Concrete Engineering & Equipment Co. (See Garvin, Edward J., assignor.)
Concrete Tie Company, The. (See Brown, N. F., and Reppert, assignors.)
Condé, Max, and O. Winter, Berlin, Germany. Track sander for motor vehicles. 1,795,711; Mar. 10.
Conderman, Fred D., Titusville, Fla. Inkwell. 1,798,014; Mar. 24.
Condit Electrical Manufacturing Company. (See Wood, Joseph D., assignor.)
Condit Electrical Manufacturing Corporation. (See Ainsworth, Chester D., assignor.)
Condit Electrical Manufacturing Corporation. (See Burnham, George A., assignor.)
Condit Electrical Manufacturing Corporation. (See Edsall, William S., assignor.)
Condit Electrical Manufacturing Corporation. (See Everett, Oliver S., assignor.)
Condit Electrical Manufacturing Corporation. (See Garroway, David C., assignor.)
Condit Electrical Manufacturing Corporation. (See Greenwood, Talma T., assignor.)

Condit Electrical Manufacturing Corporation. (See Jansson, Gustav, assignor.)
Condit Electrical Manufacturing Corporation. (See Jansson, Gustav E., assignor.)
Condit Electrical Manufacturing Corporation. (See Jansson, Gustav E., assignor.)
Condit Electrical Manufacturing Corporation. (See Mahoney, Joseph N., assignor.)
Condit Electrical Manufacturing Corporation. (See Mann, William R., assignor.)
Condit Electrical Manufacturing Corporation. (See O'Keeffe, George W., assignor.)
Condit Electrical Manufacturing Corporation. (See Pinkham, Henry P., assignor.)
Condit Electrical Manufacturing Corporation. (See Wood, Morris B., assignor.)
Condit Electrical Manufacturing Corporation. (See Wood, Thomas M., assignor.)
Condliffe, George E., Gerrads Cross, England, assignor to Victor Talking Machine Company. Indicating control means for variable electrical components. 1,800,210; Apr. 14.
Condon, Carr D., Des Moines, Iowa. Refrigerating unit. 1,807,152; May 26.
Condon, Kate, Chicago, Ill. Dyeing process. 1,800,509; Apr. 14.
Condon, Robert S. (See Kearney, E. J., and Condon.)
Condon, Thomas M., Valley City, N. Dak. Gasoline-releasing device for aeroplanes. 1,793,777; Feb. 24.
Condon, Wilfred H., assignor of fifty per cent to G. Collins, Burlington, Vt. Railroad safety crossing. 1,818,534; Aug. 11.
Condor Company, The. (See Armistead, Hubert M., assignor.)
Condor Company, The. (See Fitts, Silas W. C., assignor.)
Cone, Carroll, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,818,195; Aug. 11.
Cone, Carroll, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for forming and annealing sheet glass. 1,821,617; Sept. 1.
Cone, Carroll, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for forming sheet glass. 1,831,620; Nov. 10.
Cone, Carroll, and E. A. Rosin, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing sheet glass. 1,829,738; Nov. 3.
Cone, Charles N. (See Laucks, I. F., Banks, Davidson, Rippey, and Cone.)
Cone, Charles N. (See Rippey, H. F., Cone, Davidson, Laucks, and Banks.)
Cone, Frank L., Windsor, Vt. Relieving device for high speed drills. 1,809,402; June 9.
Cone Gearing Corporation. (See Cone, Samuel I., assignor.)
Cone, Jesse F., assignor of one-half to J. M. Hensley, Bay City, Tex. Poultry feeder. 1,795,712; Mar. 10.
Cone, Oscar E., Taft, Calif. Fish tail bit. 1,808,159; June 2.
Cone, Samuel I., Portsmouth, assignor to Cone Gearing Corporation, Norfolk, Va. Hindley worm gear. 1,822,800; Sept. 8.
Conejos, Anthony, New York, N. Y. Heat extractor. 1,799,039; Mar. 31.
Conekin, George M., Asheville, N. C. Apparatus for heating water for domestic use. 1,830,930; Nov. 10.
Conforto, Michael, Philadelphia, Pa. Pastry. 1,824,594; Sept. 22.
Congdon, Clem H., Doylestown, Pa. Airplane. 1,830,931; Nov. 10.
Congellier, Anthony, Milwaukee, Wis. Valve structure. 1,790,462; Jan. 27.
Conger, Kenyon B., jr. (See Sersen, F. J., and Conger.)
Congoleum-Nairn, Inc. (See Allen, Frank M., assignor.)
Congoleum-Nairn Inc. (See Amiel, Max, assignor.)
Congoleum-Nairn Inc. (See Anderson, Gilbert V., assignor.)
Congoleum-Nairn, Inc. (See Austin, Roger K., assignor.)
Congoleum-Nairn, Inc. (See Bonney, R. D., and Coleman, assignors.)
Congoleum-Nairn, Inc. (See Corson, Ralph, assignor.)
Congoleum-Nairn, Inc. (See Fauser, Gustave M., assignor.)
Congoleum-Nairn, Inc. (See McConoughey, Merle S., assignor.)
Congoleum-Nairn, Inc. (See Thompson, John B., assignor.)
Congor Mfg. Company, The. (See Gorsuch, Robert A., assignor.)
Conklin, Alonzo B., Chicago, Ill. Electrically illuminated advertising device. 1,810,161; June 16.
Conklin, Earl B., Syracuse, assignor, by mesne assignments, to The Solvay Process Company, Solvay, N. Y. Side-chain chlorination of benzene derivatives. 1,828,858; Oct. 27.
Conklin, Earl B., Syracuse, assignor, by mesne assignments, to The Solvay Process Company, Solvay, N. Y. Chlorination apparatus. 1,828,859; Oct. 27.
Conklin, Edward R., Ferriday, La. Nutcracker. 1,788,452; Jan. 13.
Conklin, Henry E., Austin, Tex. Educational appliance. 1,801,724; Apr. 21.
Conklin, Oliver E., Parlin, and G. Rocker, Westfield, N. J. assignors to Du Pont-Pathe Film Manufacturing Corporation, Wilmington, Del. Numbering machine. 1,814,432; July 14.
Conklin Pen Company, The. (See Bassett, Gerald L., assignor.)
Conklin Pen Co., The. (See Bienenstein, Andreas, assignor.)
Conklin Pen Company, The. (See Wilson, Herman B., assignor.)
Conklin, Robert M., Jersey City, N. J. Fruit-serving device. 1,799,282; Apr. 7.
Conklin, Roscoe D., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Double acting door reversing track. 1,813,564; July 7.
Conklin, Roscoe D., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Mechanism for reversing motive devices for operating doors and the like. 1,828,860; Oct. 27.
Conklin, Roscoe D., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Pneumatic gong. 1,831,407; Nov. 10.
Conklin, Roscoe D., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Vacuum engine system. 1,832,618; Nov. 17.
Conklin, Roscoe D., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Knock-out switch. 1,835,014; Dec. 8.
Conklin, Verle D., St. Joseph, assignor to Combination Boiler Co., Benton Harbor, Mich. Boiler. 1,837,534; Dec. 22.
Conlan, David, Brooklyn, N. Y. Motor vehicle lock. 1,827,732; Oct. 20.
Conlan, Edward J., Brooklyn, N. Y., assignor to Kimble Glass Company, Vineland, N. J. Glass bar. 1,797,855; Mar. 24.
Conley, Andrew J., Melrose, N. Mex. Combined harvester and thrasher. 1,791,714; Feb. 10.
Conley, Arthur W., Cleveland Heights, Ohio. Ozonizer. Des. 82,978; Jan. 6.
Conley, Charles E., Norwich, Conn., assignor to Downingtown Manufacturing Company, Downingtown, Pa. Suction roll. 1,821,793; Sept. 1.
Conley, John E., Memphis, Tenn. Railway switch mechanism. 1,802,875; Apr. 28.
Conley, Patrick J., Canton, Ohio. Wall bearing ceramic tile. 1,825,779; Oct. 6.
Conlin, Joseph, et al. (See Estep, William G., assignor.)
Conlon, Thomas A., Silver Springs, Md. Recoil and counter-recoil mechanism for guns. 1,803,523; May 5.
Conlon, Thomas A., Silver Spring, Md. Variable recoil mechanism for guns. 1,804,388; May 12.
Conn, C. G., Ltd. (See Burkle, Philip J., assignor.)
Conn, C. G., Ltd. (See Gulick, Edward J., assignor.)
Conn, C. G., Ltd. (See Kerr, Russell, assignor.)
Conn, C. G., Ltd. (See Loomis, Allen, assignor.)
Conn, Robert W., Vaux Hall, N. J., assignor to Westinghouse Lamp Company. Electric incandescent lamp making machine. 1,813,565; July 7.
Conn, Robert W., Cranston, R. I., assignor to Westinghouse Lamp Company. Self adjusting base and bulb holder. 1,826,505; Oct. 6.
Conn, Roy C., Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company. Apparatus for making sheet glass. 1,827,459; Oct. 13.
Connecticut Electric Manufacturing Company, The. (See Both, Tonjes A., assignor.)
Connecticut Telephone & Electric Corporation. (See Cadieux, Joseph O., assignor.)
Connell, Amos C., Jackson, Mich., assignor to General Electric Company. System of electric distribution. 1,795,198; Mar. 3.
Connell, Edwin L., East Cleveland, assignor to The General Industries Company, Elyria, Ohio. Phonograph drive. 1,794,881; Mar. 3.
Connell, Edwin L., assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio. Valve seating counterboring tool. 1,834,145; Dec. 1.
Connell, Stanley L., assignor to The Girard Model Works, Inc., Girard, Pa. Registering bank. 1,806,892; May 26.
Connell, Wade P., Boulder, Colo. Internal-expansion brake. 1,789,957; Jan. 27.
Connelly, Benjamin P., Raleigh, N. C. Device for flushing drain pipes. 1,825,582; Sept. 29.
Connelly, Joseph W., et al. (See Gross, John B., assignor.)
Connelly, William A., et al. (See Gross, John B., assignor.)
Connelly, William M., Chicago, Ill. Printing roller. 1,802,003; Apr. 21.
Conner Crouse Corporation. (See Crouse, George B., assignor.)
Conner Crouse Corporation. (See Crouse, G. B., and Osgood, assignors.)
Conner, Edward A., Stratford, Conn., assignor to American Cable Company, Inc. Machine for making wire strands, ropes, and cables. 1,823,424; Sept. 15.
Conner, Frank, South Chicago, Ill., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Portable tool. 1,796,506; Mar. 17.
Conner, Julian B., Humble, Tex. Flow tester. 1,804,247; May 5.
Conner, Milton A. (See Gangloff, W. C., and Conner.)
Conners, John J., Tuckahoe, N. Y. Combination table and cabinet. Des. 84,667; July 14.

Conners, William, Gulfport, Miss. Racing apparatus. 1,801,141; Apr. 14.
Connersville Blower Company, The. (See Townsend, William, assignor.)
Connersville Blower Company, The. (See Wilkins, J. T., and Coldwell, assignors.)
Connery, Alder F., Brooklyn, assignor to Postal Telegraph Cable Company, New York, N. Y. Telegraph system. 1,794,756; Mar. 3.
Connery Alder F., Brooklyn, assignor to International Communications Laboratories, Incorporated, New York, N. Y. Synchronizer for rotary devices. 1,821,497; Sept. 1.
Connery, Alder F., Brooklyn, assignor to International Communications Laboratories, Inc., New York, N. Y. Synchronizing system. 1,830,932; Nov. 10.
Connery, Alder F., Brooklyn, assignor to Postal Telegraph-Cable Company, New York, N. Y. Regenerative cable repeater for telegraph systems. 1,835,281; Dec. 8.
Connery, Alder F., Brooklyn, and R. S. Wishart, Rockville Center, assignors to International Communications Laboratories, Inc., New York, N. Y. Alternating current balance indicator. 1,826,736; Oct. 13.
Connery, Alder F., Brooklyn, and R. S. Wishart, Rockville Center, assignors to International Communications Laboratories, Inc., New York, N. Y. Balancing telegraph lines. 1,826,737; Oct. 13.
Connet, Frederick N., assignor to Builders Iron Foundry, Providence, R. I. Apparatus for obtaining the ratio between two variables particularly adapted for metering viscous fluids. 1,795,250; Mar. 3.
Connet, Frederick N., assignor to Builders Iron Foundry, Providence, R. I. Venturi meter. 1,805,236; May 12.
Connick, Raymond J., Fairport, N. Y. Rerailer. 1,821,880; Sept. 1.
Connolly, Anna E., et al. (See Gross, John B., assignor.)
Connolly, Frank, Toledo, Ohio. Vigil. 1,837,016; Dec. 15.
Connolly, George E., Oakland, Calif., assignor to Nichols Copper Company, New York, N. Y. Drying and roasting furnace. 1,823,787; Sept. 15.
Connolly, James E., Baltimore, Md. Safety razor. 1,825,335; Sept. 29.
Connolly, James E., Baltimore, Md. Safety razor. 1,833,242; Nov. 24.
Connolly, James W., Dundee, N. Y. Protecting device for curing alfalfa, grain, and the like. 1,788,985; Jan. 13.
Connolly, John L., New York, N. Y. Wheel and brake shoe. 1,823,879; Sept. 22.
Connolly, Stephen J., Beverly, Mass., assignor to The Benevolent and Protective Order of Elks of The United States of America, Chicago, Ill. Badge. Des. 85,031; Sept. 8.
Connon, George W. (See Hamill, J., Taddiken, and Connon.)
Connor, Edward A., Stratford, Conn., assignor to American Cable Company, Inc. Stranded belt. 1,809,023; June 9.
Connor, James F., Cleveland, Ohio. Airplane motor and propeller mounting and adjusting means. 1,799,005; Mar. 31.
Connor, James F., Cleveland, Ohio. Toilet article. 1,814,433; July 14.
Connor, John H., Boston, Mass., assignor to The Turner Tanning Machinery Company, Portland, Me. Leather working machine. 1,815,140; July 21.
Connor, Joseph. (See Goodrich, N. E., and Connor.)
Connor, Robert A., assignor to Inca Manufacturing Corporation, Fort Wayne, Ind. Magnet coil and making same. 1,819,638; Aug. 18.
Connors, Frederick P., Detroit, Mich. Automatic expanding belt pulley. 1,822,584; Sept. 8.
Connors, Joseph H. (See Voltz, Herman A., assignor.)
Conolly, Henry, Company. (See Warner, William F., jr., assignor.)
Conover, Charles F., New York, N. Y. Control device for stoves. 1,833,737; Nov. 24.
Conover Company, The. (See Stoddard, E. S., and Simkus, assignors.)
Conover, William F., Lima, Ill. Chain fastener. 1,836,015; Dec. 15.
Conrad, Clifford V., assignor of one-half to M. Ditchen, Portland, Oreg. Rim. 1,818,791; Aug. 11.
Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Modulation system. 1,799,974; Apr. 7.
Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Telephone receiver. 1,819,499; Aug. 18.
Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,837,017; Dec. 15.
Conrad, Fred A., assignor to American Lace Paper Company, Milwaukee, Wis. Paper doily. Des. 84,183; May 19.
Conrad, Joshua C. (See Woodford, B. C., Behle, and Conrad.)
Conrad, Nicholas J., Wilmette, assignor, by mesne assignments, to Schweitzer & Conrad, Inc., Chicago, Ill. High-tension air-brake switch. 1,789,461; Jan. 20.
Conrad, Nicholas J., Wilmette, assignor, by mesne assignments, to Schweitzer & Conrad, Inc., Chicago, Ill. Primary cut-out. 1,818,382; Aug. 11.
Conrad, Nicholas J., Wilmette, assignor, by mesne assignments, to Schweitzer & Conrad, Inc., Chicago, Ill. Fused cut out. 1,824,122; Sept. 22.
Conrad, Nicholas J., Wilmette, assignor, by mesne assignments, to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse device. 1,834,578; Dec. 1.
Conrads, Herm. (See Laas, Louis A., assignor.)
Conradty, Ottmar, Nuremberg, Germany. Incandescent lamp. 1,806,787; May 26.
Conrath, George A., assignor of one-half to C. S. Denman, Des Moines, Iowa. Apparatus and method for handling pulverized fuel. 1,804,593; May 12.
Conroe, Clarence W. (See Rhodes, B. C., and Conroe.)
Conrow, Harry. (See Smith, H. E., Bowker, and Conrow.)
Conroy, Lemuel D., Whipple, Calif. Cigarette dispenser. Des. 84,777; Aug. 4.
Consolidated Aircraft Corporation. (See Fairbanks, Andrew J., assignor.)
Consolidated Aircraft Corporation. (See Gwinn, Joseph M., jr., assignor.)
Consolidated Aircraft Corporation. (See Laddon, Isaac M., assignor.)
Consolidated Ashcroft Hancock Company. (See Allen, Chauncey D., assignor.)
Consolidated Ashcroft Hancock Company. (See Heise, Otto W., assignor.)
Consolidated Ashcroft Hancock Company. (See Hopkins, Frank H., assignor.)
Consolidated Ashcroft Hancock Company. (See Williston, Belvin T., assignor.)
Consolidated Ashcroft Hancock Company. (See Williston, B. T., Walch, and Allen, assignors.)
Consolidated Automatic Merchandising Corporation. (See Du Grenier, Arthur H., assignor.)
Consolidated Bolt Company. (See Northey, J. B. and R. V., assignors.)
Consolidated Car-Heating Company. (See Hyatt, Louis C., assignor.)
Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)
Consolidated Car-Heating Company. (See Murphy, Ernest. assignor.)
Consolidated Car Heating Company. (See Parsons, Robert J., assignor.)
Consolidated Connector Patent Corporation. (See Barber, Martin A., assignor.)
Consolidated Expanded Metal Companies, The. (See Herbest, Thomas R., jr., assignor.)
Consolidated Factories Limited. (See Bartholomew, Bert E., assignor.)
Consolidated Gas Company of New York, The. (See Drinker, P., and Shaw, assignors.)
Consolidated Machine Corporation of America. (See Roberts, R. R., and Forward, assignors.)
Consolidated Machine Tool Corporation of America. (See Forward, W. J. F., and Harding, assignors.)
Consolidated Machine Tool Corporation of America. (See Forward, W. J. F., and Roberts, assignors.)
Consolidated Machine Tool Corporation of America. (See Leiter, Charles R., assignor.)
Consolidated Machine Tool Corporation of America. (See Trosch, Alfred, assignor.)
Consolidated Mining and Smelting Company of Canada Limited. (See Fingland, J. J., Turnbull, and McIntyre, assignors.)
Consolidated Mining and Smelting Company of Canada, Limited. (See Hannay, W. H., and Lee, assignors.)
Consolidated Safety Pin Co. (See Hagel, Albert, assignor.)
Consolidated Safety Pin Company. (See Mitchell, August, assignor.)
Consolidated Steel Corporation. (See Kinnard, Luther J., assignor.)
Consolidated Steel Corporation. (See Walker, C. P., and Lyons, assignors.)
Consolidated Trimming Corp. (See Klahre, Theodore, assignor.)
Consolidation Coal Products Company. (See McIntire, Charles V., assignor.)
Consortium fuer Elektrochemische Industrie. (See Herrmann, W. O., and Deutsch, assignors.)
Consortium fuer Elektrochemische Industrie. (See Herrmann, W. O., Deutsch, and Baum, assignors.)
Consortium fuer Elektrochemische Industrie. (See Herrmann, W. O., Deutsch, and Haehnel, assignors.)
Consortium fuer Elektrochemische Industrie G. m. b. H. (See Herrmann, W. O., and Haehnel, assignors.)
Consortium fuer Elektrochemische Industrie. (See Meingast, R., and Mugdan, assignors.)
Consortium für Elektrochemische Industrie, G. m. b. H. (See Mugdan, M., and Wimmer, assignors.)
Constable, Charles E., assignor to The National Marking Machine Company, Cincinnati, Ohio. Assorting and classifying laundry articles. 1,813,229; July 7.
Constable, Charles E., assignor to The National Marking Machine Company, Cincinnati, Ohio. Ribbon actuating device for laundry tag marking machines. 1,822,339; Sept. 8.
Constant, Eugène and L., Roubaix, France. Dyeing machine with pivoting vat. 1,819,229; Aug. 18.
Constant, Louis. (See Constant, Eugène and L.)
Constant, Louis H., Chicago, Ill. Pencil sharpener. 1,788,369; Jan. 13.
Constant, Peter M., assignor to Neckar Water Softener Corporation, New York, N. Y. Hot water treatment. 1,819,149; Aug. 18.

Constantin, Cesar J., New York, N. Y. Carburetor. 1,823,818; Sept. 15.
Constantin, Louis, Paris, France. Controlling device for aircraft. 1,818,044; Aug. 11.
Constantine, William W., London, England, assignor to General Motors Corporation, Detroit, Mich. Brake-operating mechanism. 1,797,329; Mar. 24.
Construction Francaise d'Appareils de Laiterie, Société Anonyme. (See Minet, Auguste, assignor.)
Consumers Tobacco Company. (See Newborne, Robert G., assignor.)
Contact Filtration Company. (See Black, John C., assignor.)
Contact Filtration Company. (See Carpenter, I. C., and Moorman, assignors.)
Contact Filtration Company. (See Moorman, A. R., and Carpenter, assignors.)
Contact Filtration Company. (See Trescott, Le Roy C., assignor.)
Container Corporation of America. (See Gallistel, Clarence P., assignor.)
Container Corporation of America. (See Maston, Edward E., assignor.)
Container Corporation of America. (See Potter, Earl C., assignor.)
Container Corporation of America. (See Van Cleaf, John C., assignor.)
Container Corporation of America. (See Walter, Harrison B., assignor.)
Container Corporation of America. (See Weaver, Josiah A., assignor.)
Container Patents Corporation. (See Whiting, Jasper, assignor.)
Contant, Peter M., assignor to Neckar Water Softener Corporation, New York, N. Y. Boiler-feed-water treatment. 1,788,149; Jan. 6.
Conte, Sebastiano, Princeton, N. J. Combined clothesline reel, rope washer, and brush. 1,790,573; Jan. 27.
Contessa, James, assignor to E. Behrman, Inc., New York, N. Y. Leather or similar article. Des. 83,312; Feb. 17.
Conti, Emile, Alfortville, France. Method and apparatus for absorbing shocks. 1,837,950; Dec. 22.
Conti, Eugene, Cliffside Park, N. J., assignor to A. Herz, New Rochelle, N. Y. Apparatus for cutting drinking tubes. 1,813,340; July 7.
Continental Aircraft Engine Company. (See Snyder, Oscar L., assignor.)
Continental Can Company. (See Aulbach, Charles J., assignor.)
Continental Can Company. (See Aulbach, C. J., and Anderson, assignors.)
Continental Can Company. (See Coyle, John, assignor.)
Continental Can Company. (See Kronquest, Alfred L., assignor.)
Continental Can Company. (See Laxo, Ed, assignor.)
Continental Can Company. (See McDonald, C. D., and Deisch, assignors.)
Continental Can Company. (See Metzner, Robert B., assignor.)
Continental Can Company. (See O'Brien, Frank J., assignor.)
Continental Can Company. (See O'Neil, James H., assignor.)
Continental Can Company. (See O'Neil, J. H., and Flock, assignors.)
Continental Can Company. (See O'Neil, J. H., and Kronquest, assignors.)
Continental Can Company. (See Punte, William F., assignor.)
Continental Can Company. (See Renshaw, Joseph H., assignor.)
Continental Can Company. (See Sedwick, Mathew M., assignor.)
Continental Can Company. (See Smith, William B., assignor.)
Continental Can Company. (See Stevenson, Arthur E., William E., assignor.)
Continental Can Company. (See Troyer, Nelson, assignor.)
Continental Coal Company. (See Christopher, Frank E., assignor.)
Continental Diamond Fibre Company. (See Frederick, Louis T., assignor.)
Continental-Diamond Fibre Company. (See McIntosh, James, assignor.)
Continental Frame Corporation. (See Belgard, Austin D., assignor.)
Continental Gin Company. (See Elliott, Thomas, assignor.)
Continental Gin Company. (See Smith, Algernon L., assignor.)
Continental Illinois Bank and Trust Company. (See Banker, Oscar H., assignor.)
Continental Manufacturing Company. (See Shuman, Leo, assignor.)
Continental Motors Corporation. (See Frederick, Walter A., assignor.)
Continental Motors Corporation. (See Haltenberger, Jules, assignor.)
Continental Motors Corporation. (See Judson, Ross W., assignor.)
Continental Motors Corporation. (See Kreis, Oscar C., assignor.)
Continental Motors Corporation. (See Meyer, Andre J., assignor.)
Continental Motors Corporation. (See Niven, Archie, assignor.)
Continental Motors Corporation. (See Niven, Archie M., assignor.)
Continental Motors Corporation. (See Sampson, Frederick W., assignor.)
Continental Motors Corporation. (See Willi, Albert B., assignor.)
Continental Oil Company. (See Boylan, Joseph S., assignor.)
Continental Oil Company. (See Griswold, E. H., and Nicklos, assignors.)
Continental Oil Company. (See Langford, C. T., and Teplitz, assignors.)
Continental Oil Company. (See Lipski, Paul, assignor.)
Continental Oil Company. (See Porter, Frank, assignor.)
Continental Oil Company. (See Zurcher, Paul, assignor.)
Contractors Ornamental Steel Co. Inc. (See Rebman, Elmer W., assignor.)
Continental Railway Supply Corporation. (See Hyle, J. A., and Franks, assignors.)
Continental Silver Company. (See Wolferman, Milton J., assignor.)
Continental Steel Corporation. (See Williams, George N., assignor.)
Continental Stove Corporation. (See Hasting, Elmer G., assignor.)
Continental Stove Corporation. (See Reeves, Herbert M., assignor.)
Continsouza, Victor, and M. B. Combes, Paris, France. Cinematograph with continuous feed of the film. 1,796,140; Mar. 10.
Continuous Rail Crossing Corporation. (See Fairbanks, Edward L., assignor.)
Continuous Rail Crossing Corporation. (See Uschmann, Curt, assignor.)
Continuous Torque Transmission Company. (See Ahlm, C. E. F., and Elmslie, assignors.)
Converse, Atherton D., Winchendon, Mass. Toy drum. 1,803,173; Apr. 28.
Converse Rubber Company. (See O'Neil, Jeremiah J., assignor.)
Converse Rubber Company. (See Paterson, Morton L., assignor.)
Conveyor Sales Company. (See Moulton, Albion, assignor.)
Conveyor Sales Company. (See Walter, Raymond A., assignor.)
Conway, Baron von Girsewald, and H. Weidmann, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y. Conversion of ferro-phosphorous into ferric phosphate ($FePO_4$) by roasting in air or other gases containing oxygen. 1,807,767; June 2.
Conway, Baron von Girsewald, H. Weidmann, and G. Roesner, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y. Production of alkali phosphates from compounds of metal and phosphorus. 1,807,766; June 2.
Conway, James J., West Haven, assignor to The Seamless Rubber Company, Inc., New Haven, Conn. Rubber or like article. Des. 84,326; June 9.
Conway, John J., assignor to The Acme Shear Company, Bridgeport, Conn. Fender protector. 1,811,494; June 23.
Conway, Joseph T., Cleveland, Ohio. Filing device. 1,803,997; May 5.
Conway, Robert E., Hammond, Ind., assignor, by mesne assignments, to The Metalcraft Corporation, St. Louis, Mo. Structural toy airship. 1,795,074; Mar. 3.
Conway, Thomas A., et al. (See Singleton, Charles B., assignor.)
Conwell, William J. (See Mahoney, C., Conwell, and Sellers.)
Conwill, Fred F., Berkeley, Calif. Decorating and apparatus therefor. 1,794,671; Mar. 3.
Conwill, Fred F., Berkeley, Calif. Multicolor designer. 1,831,095; Nov. 10.
Conyngham, David C., Brooklyn, N. Y. Cutlery sharpener. 1,801,802; Apr. 21.
Conzelmann, Heinrich, Stuttgart-Gabelenberg, and R. Maier, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electric switch box. 1,795,010; Mar. 3.
Cook, Arthur F., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Woodheel making. 1,787,615; Jan. 6.
Cook, Arthur F., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making wood heels. 1,838,807; Dec. 29.
Cook, C. Lee, Manufacturing Company. (See Cook, Charles L., assignor.)
Cook, Charles D., assignor to Johnson Motor Company, South Bend, Ind. Pump. 1,832,619; Nov. 17.
Cook, Charles D., New Orleans, La., and J. R. Townsend, Lake Bluff, assignors to Johnson Motor Company, Waukegan, Ill. Pump. 1,832,620; Nov. 17.
Cook, Charles H., Hugo, Colo. Road drag. 1,794,882; Mar. 3.
Cook, Charles L., deceased; G. S. Cook, executrix, assignor to C. Lee Cook Manufacturing Company, Louisville, Ky. Scraping means. 1,837,115; Dec. 15.
Cook, Clifford A., Milford, Mass. Transmission mechanism. 1,794,150; Feb. 24.
Cook, Daniel. (See Humphries, General W., assignor.)
Cook, David F. (See Harris, Alfred M., assignor.)

Cook, David F., Cheyenne, Wyo. Internal-combustion engine. 1,792,145; Feb. 10.
Cook, Egbert C., Puente, Calif. Turntable. 1,828,959; Oct. 27.
Cook Electric Company. (See Baker, John S., assignor.)
Cook Electric Company. (See Folds, George R., assignor.)
Cook Electric Company. (See Persons, Lawrence M., assignor.)
Cook Electric Company. (See Schultz, Roy M., assignor.)
Cook, Eli. (See Wells, C. M., and Cook.)
Cook, Emma K., St. Louis, Mo. Fan protector. 1,809,583; June 9.
Cook, Ernest P. (See Schur, M. O., and Cook.)
Cook, Ernest P., assignor to Brown Company, Berlin, N. H. Tension indicator. 1,838,299; Dec. 29.
Cook, Eugene F., Richmond Heights, assignor to L. H. Kuhlmann and A. H. Kuhlmann, copartners doing business as Kuhlmann Metal Weather Strip Company, St. Louis, Mo. Weather strip. 1,790,973; Feb. 3.
Cook, George B., Elizabeth, N. J., assignor to Standard Oil Development Company. Fluid heater. 1,832,449; Nov. 17.
Cook, George C., Millington, N. J. Regenerative air preheater. 1,811,455; June 23.
Cook, Giles H., Des Moines, Iowa. Vehicle. 1,817,478; Aug. 4.
Cook, Giles H., Des Moines, Iowa. Exhaust steam nozzle for locomotives. 1,819,594; Aug. 18.
Cook, Gulielma S., executrix. (See Cook, Charles L.)
Cook, Harry, Huntington Park, assignor to C. E. Maris, jr., and R. M. Hadley, Los Angeles, Calif. Method and apparatus for making reenforced pipe. 1,828,890; Oct. 27.
Cook, Herbert R. (See McDonald, C. T., and Cook.)
Cook, Herman H., Pender, Nebr. Mail box. 1,792,821; Feb. 17.
Cook, Howard D., Elyria, and W. L. Scott, Lorain, Ohio. Furnace charging apparatus. 1,815,666; July 21.
Cook, James H., Tulsa, Okla. Anchor staple for mulching paper. 1,810,463; June 16.
Cook, John F., jr., Detroit, Mich. Aerial propeller. 1,801,725; Apr. 21.
Cook, John F., jr., Detroit, Mich. Controlling means for aeroplanes. 1,813,485; July 7.
Cook, John, Syracuse, N. Y., J. C. Spence, and R. A. Cole, assignors to Norton Company, Worcester, Mass. Grinding machine. 1,808,401; June 2.
Cook, John J., Chicago, Ill. Pull-chain terminal. Re17,970; Feb. 17.
Cook, Kenneth B. (See Foster, B. H., and Cook.)
Cook Laboratories, Inc. (See Brown, Henry K., assignor.)
Cook Laboratories, Inc. (See Cressler, Edward P., assignor.)
Cook Laboratories, Inc. (See Kulik, Irving, assignor.)
Cook Laboratories, Inc. (See Montuori, Felix C., assignor.)
Cook, L. D., Kansas City, Mo. Storage garage. 1,817,237; Aug. 4.
Cook, Leon W., Roselle, N. J., assignor to The Texas Company, New York, N. Y. Naphthenic acid. 1,802,336; Apr. 28.
Cook, Louis A., Akron, Ohio. Heel supporter for shoes. 1,792,677; Feb. 17.
Cook, Lyman, assignor to The Foxboro Company, Foxboro, Mass. Gauge. 1,808,207; June 2.
Cook, Paul F. and S. J., jr., Los Angeles, Calif. Door construction. 1,832,966; Nov. 24.
Cook, Percy M., Kansas City, Mo. Sanding apparatus. 1,797,898; Mar. 24.
Cook, Raymond W., assignor to The Wallace Barnes Company, Bristol, Conn. Clip. 1,823,317; Sept. 15.
Cook, Richard J. (See Robinson, Lynn A., assignor.)
Cook, Stanley S. (See Parsons, C. A., Cook, and Douglas.)
Cook, Stephen C., Brooklyn, assignor to Phinney-Walker Co., Inc., New York, N. Y. Mirror clock combination. Des. 85,163; Sept. 22.
Cook, Sylvester J., jr. (See Cook, P. E. and S. J.)
Cook, Theodore L., assignor to The Ornamental Iron Work Company, Akron, Ohio. Sheet metal stair structure. 1,835,759; Dec. 8.
Cook, Thomas E., Detroit, Mich. Collapsible chicken crate. 1,819,735; Aug. 18.
Cook, Wilder H., Athens, N. Y. Collapsible decoy. 1,822,763; Sept. 8.
Cook, William P., Los Angeles, assignor of one-fourth to W. A. Hines, Hollywood, Calif. Stropping device for safety razor blades. 1,838,251; Dec. 29.
Cooke, Albert F. (See Brainard, C. H., Carrington, and Cooke.)
Cooke, Alexander H., assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Freezing apparatus. 1,795,330; Mar. 10.
Cooke, Erwin T., assignor of one-half to P. M. Miller, Mullan, Idaho. Fisherman's hatband. 1,787,568; Jan. 6.
Cooke, George G., and M. E. Dayton, assignors of one-third to F. W. Smith, Detroit, Mich. Interchangeable tire valve. 1,819,872; Aug. 18.
Cooke, George J., Chicago, Ill. Refrigerating apparatus. 1,805,613; May 19.
Cooke, George S., Alexandria Bay, N. Y. Dispensing machine. 1,789,669; Jan. 20.
Cooke, George T., South Norwalk, Conn. Safety nut for screws and bolts. 1,801,264; Apr. 21.
Cooke, George T., South Norwalk, Conn. Cotter-pin puller. 1,814,830; July 14.
Cooke, George T., South Norwalk, Conn. Rod support and holder. 1,815,704; July 21.
Cooke, Gordon C., Ridgewood, N. J., assignor, by mesne assignments, to Standard-Knapp Corporation. Paste applying mechanism. 1,835,145; Dec. 8.
Cooke, Harry T., Los Angeles, Calif. Motor-vehicle side protector and spring bumper guard. 1,793,680; Feb. 24.
Cooke, James, Omaha, Nebr. Fastener for display characters. 1,812,933; July 7.
Cooke, Milton W., Pittsburgh, Pa. Insulator clevis. 1,819,500; Aug. 18.
Cooke, Norman. (See Warren, T. R., and Cooke.)
Cooke, Philip A., South Farnborough, England. Gyroscopic system for controlling dirigible craft. 1,825,994; Oct. 6.
Cooke, Troughton & Simms Limited. (See Clay, Arundel S., assignor.)
Cooks, Edgar, South Pasadena, Calif., assignor to Los Angeles Wall Bed Company, Los Angeles, Calif. Folding bed. 1,812,082; June 30.
Cookson, Clarence F., Lyndhurst, N. J., assignor to Counter Cooking Machine Corporation, New York, N. Y. Cooking device. 1,817,351; Aug. 4.
Cookson, Thomas. (See Morrill, B. F., Cookson, and Sloane.)
Cookston, Thomas R., Elyria, assignor of one-half to W. G. Wise, Akron, Ohio. Burial vault. 1,800,177; Apr. 7.
Coolbaugh, Melville F. (See Read, J. B., and Coolbaugh.)
Coole, John L., Boston, Mass. Floor washing machine. 1,813,026; July 7.
Cooley, Austin G., New York, N. Y. Photographic emulsion for electronic discharge. 1,791,053; Feb. 3.
Cooley, Herbert E., West Bend, Wis. Container. 1,800,816; Apr. 14.
Cooley, Herbert E., West Bend, Wis. Cheese container. 1,808,530; June 2.
Cooley, John L., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Treating hydrocarbon oil with metallic halides. 1,795,761; Mar. 10.
Cooley, John L., Berkeley, Calif., and L. C. McCloud, Colorado, Tex., assignors to Standard Oil Company of California, San Francisco, Calif. Desulfurizing hydrocarbons. 1,839,087; Dec. 29.
Cooley, Laurence H. (See Vernier, W. J., and Cooley.)
Coolidge, Joseph R., 3d, Brookline, Mass., assignor to Montan, Inc., Boston, Mass. Self-lubricating bearing and making same. 1,827,737; Oct. 20.
Coolidge, Marcus A. (See White, W. D., and Gleason, assignors.)
Cooling & Air Conditioning Corporation, The. (See Fleisher, Walter L., assignor.)
Cooling Tower Co., The. (See Dauphinee, George S., assignor.)
Cool Spring Filters, Inc. (See Rabjohn, L. E., and Hollenberg, assignors.)
Coon, Chester C. (See Jordan, C. A., and Coon.)
Coones, Charles W., San Diego, Calif. Coin controlled selecting mechanism. 1,816,278; July 28.
Cooney, Lawrence J., assignor to Keystone Grinder & Manufacturing Company, Pittsburgh, Pa. Signaling and control device for air brakes. 1,796,646; Mar. 17.
Cooney, Peter A., Chicago, Ill., assignor, by mesne assignments, to Electrecorder Corporation, Dover, Del. Time register. 1,787,934; Jan. 6.
Coons, Burton C., Rochester, assignor to Coons Machinery Corporation, Gates, N. Y. Method and apparatus for coring fruit. 1,817,967; Aug. 11.
Coons, Burton C., Rochester, N. Y., assignor to Coons Machinery Corporation, Gates, N. Y. Fruit paring machine. 1,823,854; Sept. 15.
Coons Machinery Corporation. (See Coons, Burton C., assignor.)
Coony, Alfred F., Glendale, Calif. Combined pilot and heater. 1,830,933; Nov. 10.
Cooper, Abraham M. (See Chesley, Frank, assignor.)
Cooper, Archie C., Huron, S. Dak. Door holder. 1,790,406; Jan. 27.
Cooper, Arthur H., Iver, England, assignor to Victor Talking Machine Company. Electromagnetic coupling device. 1,833,316; Nov. 24.
Cooper, Arthur H., Balham, London, England, assignor to Victor Talking Machine Company. High frequency variable resistance device. 1,838,987; Dec. 29.
Cooper, Basil P., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for nail sorting. 1,808,806; June 9.
Cooper, Basil P., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail sorting machine. 1,822,921; Sept. 15.
Cooper-Bessemer Corporation. (See Murray, Harry D., assignor.)
Cooper, Boris, Brooklyn, N. Y. Belt buckle combination. Des. 84,872; Aug. 18.
Cooper, Boris, Brooklyn, N. Y. Belt buckle combination. Des. 84,873; Aug. 18.
Cooper, Boris, Brooklyn, N. Y. Belt buckle combination. Des. 84,874; Aug. 18.
Cooper, Boris, Brooklyn, N. Y. Belt buckle combination. Des. 84,875; Aug. 18.
Cooper, Boris, Brooklyn, N. Y. Belt buckle combination. Des. 84,876; Aug. 18.

Cooper, Boris, Brooklyn, N. Y. Belt buckle combination. Des. 84,877; Aug. 18.
Cooper, Boris, Brooklyn, N. Y. Belt buckle combination. Des. 84,878; Aug. 18.
Cooper, Boris, Brooklyn, N. Y. Belt buckle combination. Des. 84,879; Aug. 18.
Cooper, Boris, Brooklyn, N. Y. Belt buckle combination. Des. 84,880; Aug. 18.
Cooper, Boris, Brooklyn, N. Y. Belt buckle combination. Des. 84,881; Aug. 18.
Cooper, Boris, New York, N. Y. Buckle construction. 1,811,684; June 23.
Cooper, Charles, assignor to W. C. Holmes and Company, Limited, Huddersfield, England. Treatment of gases. 1,798,307; Mar. 31.
Cooper, Charles, assignor to W. C. Holmes and Company, Limited, Huddersfield, England. Drying of gases. 1,820,121; Aug. 25.
Cooper, Charles, Company. (See Barratt, William T., assignor.)
Cooper, David A. (See Stone, O. H., and Cooper.)
Cooper, Dhanjishah B., Satara, India. Crushing machine. 1,823,437; Sept. 15.
Cooper, Douglas W. (See Pursley, Cornelious C., assignor.)
Cooper, Earl E., assignor to Chambers, Bering, Quinlan Co., Decatur, Ill. Faucet lock and cover. 1,817,802; Aug. 4.
Cooper, Elisha H., assignor to The Tafnir Bearing Company, New Britain, Conn. Spring end connection. 1,807,099; May 26.
Cooper, Emmet F. (See Sweet, C. H., and Cooper.)
Cooper, Emory H., St. Louis, Mo. Brake shoe key. 1,832,766; Nov. 17.
Cooper, Ernest, Shidler, Okla. Propeller mechanism. 1,826,458; Oct. 6.
Cooper, Ernest, and A. S. Piper, Riverside, Calif. Recording speedometer. 1,816,826; Aug. 4.
Cooper, Floyd F., Westfield, N. J., assignor by mesne assignments, to Banner Rock Corporation, Alexandria, Ind. Fastening for insulating jackets. 1,822,987; Sept. 15.
Cooper, Frederick C., assignor to Commercial Reproducing Company, Detroit, Mich. Printed matter for file purposes. 1,788,421; Jan. 13.
Cooper, George R. (See Snider, Solomon A., assignor.)
Cooper, George R., Upper Darby Township, Delaware County, Pa. Telephone-phonographic means of communication. 1,817,611; Aug. 4.
Cooper, George S., Providence, R. I. Spring door catch. 1,827,810; Oct. 20.
Cooper, George W. (See Harpine, P. T., and Cooper.)
Cooper, Hal S. and M. L., Knoxville, Tenn. Cleaning block. 1,822,725; Sept. 8.
Cooper, Henry W., West Newton, assignor to New England Mica Co., Waltham, Mass. Apparatus for making reinforced washers for commutator rings. 1,820,181; Aug. 25.
Cooper, Henry W., West Newton, assignor to New England Mica Co., Waltham, Mass. Apparatus for producing laminated mica washers. 1,820,182; Aug. 25.
Cooper, Henry W., West Newton, assignor to New England Mica Co., Waltham, Mass. Manufacturing composite sheets. 1,829,981; Nov. 3.
Cooper, Henry W., West Newton, assignor to New England Mica Co., Waltham, Mass. Machine for making composite sheets. 1,830,522; Nov. 3.
Cooper, Herbert, Brooklyn, N. Y. Power transmission mechanism. 1,820,442; Aug. 25.
Cooper, Herbert F., assignor of one-half to W. Drury, London, England. Vehicle body. 1,802,876; Apr. 28.
Cooper, Howard H. D., assignor to S. A. Schonbrunn & Co., Inc., New York, N. Y. Tag and cord for tea bags. 1,799,006; Mar. 31.
Cooper, Hugh S., Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc. Producing vacuums. 1,800,134; Apr. 7.
Cooper, Hugh S., Cleveland, Ohio, assignor to Beryllium Development Corporation. Production of beryllium and other metals. 1,805,567; May 19.
Cooper, Hugh S., Cleveland, Ohio, assignor to Beryllium Corporation of America, New York, N. Y. Alloy and preparing same. 1,816,961; Aug. 4.
Cooper, Hugh S., Cleveland, Ohio, assignor to Kemet Laboratories Company, Inc. Apparatus for casting alkaline earth metals. 1,834,049; Dec. 1.
Cooper, Hugh S., and M. Merlub-Sobel, Cleveland, Ohio, assignors to Kemet Laboratories, Inc. Coating substances. 1,818,196; Aug. 11.
Cooper, Hugh S., and M. D. Sarbey, Cleveland, Ohio, assignors to Kemet Laboratories Company, Inc. Cathode. 1,830,825; Nov. 10.
Cooper Humane Trap Co. (See Cooper, William, assignor.)
Cooper, James. (See Jardine, F., and Cooper.)
Cooper, James. (See McChesney, D. S., and Cooper.)
Cooper, James, Ryde, near Sydney, New South Wales, Australia. Portable camping outfit. 1,790,134; Jan. 27.
Cooper, James F., and H. D. Cameron, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Flexible connection. 1,800,178; Apr. 7.
Cooper, James W., Haddon Heights, N. J. Snow shovel. 1,820,692; Aug. 25.
Cooper, James W., Edgewood, assignor to Pilgrim Plush Company, Providence, R. I. Plush fabric. 1,821,498; Sept. 1.
Cooper, John, Inchinnan, Scotland. Packing inner tubes for pneumatic tires. 1,813,027; July 7.
Cooper, John, assignor of part interests to N. E. Johnson, E. Johnson, F. Peterson, F. Johnson, C. Johnson, A. Dahl, and E. Benson, Evanston, Ill. Casement window. 1,796,242; Mar. 10.
Cooper, Leo M., Yonkers, N. Y. Lady's garment. 1,823,257; Sept. 15.
Cooper, Michael K., Liverpool, England. Vacuum cleaner. 1,818,959; Aug. 11.
Cooper, Morris L. (See Cooper, Hal S. and M. L.)
Cooper, Seleana L., Charlottesville, Va. Fern stand. 1,808,402; June 2.
Cooper, Simon, Brooklyn, N. Y. Electrical sostenuto piano. 1,801,488; Apr. 21.
Cooper, Simon, Brooklyn, N. Y. Electrical sostenuto piano. 1,811,076; June 23.
Cooper, Simon, Brooklyn, N. Y. Electrical sostenuto piano. 1,811,077; June 23.
Cooper, Simon, Brooklyn, N. Y. Sostenuto piano. 1,817,507; Aug. 4.
Cooper, Simon, Brooklyn, N. Y. Electrical sostenuto piano. 1,827,419; Oct. 13.
Cooper, Simon, assignor to The Cooper Tea Packet Co., Inc., Brooklyn, N. Y. Tag with attached string and method of attaching. 1,792,075; Feb. 10.
Cooper, Simon, assignor to Cooper Tea Packet Company, Brookyln, N. Y. Tea bag. 1,801,588; Apr. 21.
Cooper, Simon, assignor to Cooper Tea Packet Company, Brooklyn, N. Y. Packet-package and dispensing apparatus. 1,827,354; Oct. 13.
Cooper, Simon, assignor to Cooper Tea Packet Company, Brooklyn, N. Y. Bag making machine. 1,830,192; Nov. 3.
Cooper Tea Packet Co., Inc., The. (See Cooper, Simon, assignor.)
Cooper, William, Caguas, Porto Rica. Crushing mill. 1,802,197; Apr. 21.
Cooper, William, assignor to Cooper Humane Trap Co. Inc., Apalachin, N. Y. Animal trap. 1,831,621; Nov. 10.
Cooper, William A., assignor to Globe American Corporation, Kokomo, Ind. Range. Des. 82,979; Jan. 6.
Cooper, William D., St. Paul, Minn. Telegraphic transmitting instruments. 1,813,230; July 7.
Cooper, William E., Mendham, N. J., and F. A. Quiroz, Brooklyn, N. Y., assignors to American Machine & Foundry Company. Automatic weighing machine. 1,790,366; Jan. 27.
Cooper, William H., Amsterdam, N. Y., assignor, by mesne assignments, to Bigelow-Sanford Carpet Co., Inc. Patterned Axminster fabrics and making the same. 1,822,478; Sept. 8.
Coopersmith Bed Company. (See Chackes, W., and Bossert, assignors.)
Coors, Adolph, Golden, Colo. Malted milk container. Des. 85,367; Oct. 20.
Coors Porcelain Company. (See Huttig, Ernest W., assignor.)
Coovert, Richard H., and L. W. Wilkinson, Willard, Ohio. Sheet rubber goods form stripper. 1,818,792; Aug. 11.
Copas, John T., Elyria, Ohio. Toy catapult. 1,831,230; Nov. 10.
Cope, Ernest C., Spondon, near Derby, England, assignor to Celanese Corporation of America. Electrical driving of spindles for spinning, twisting, doubling, winding, and analogous processes. 1,818,535; Aug. 11.
Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Heat-treating furnace. 1,794,151; Feb. 24.
Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Material conveyer for furnaces. 1,799,956; Apr. 7.
Cope, Frank T., assignor to The Electric Furnace Company. Salem, Ohio. Quenching tank. 1,808,160; June 2.
Cope, Frank T., assignor to the Electric Furnace Company, Salem, Ohio. Metallic resistor. 1,827,508; Oct. 13.
Cope, Frank T., and A. H. Vaughan, assignors to The Electric Furnace Company, Salem, Ohio. Apparatus for heat treatment. 1,799,957; Apr. 7.
Cope, Joseph H. (See Anderson, C. M., and Cope.)
Cope, Joseph H., Denver, Colo. Push off device for hay rakes. 1,802,594; Apr. 28.
Cope, Raymond M., Chicago, Ill., assignor of one-tenth to C. Veneman and forty-five one-hundredths to W. A. Jackson. Vending machine. Re18,059; May 5.
Copeland, Francis C., San Francisco, Calif. Cigarette dispenser and lighter. 1,793,063; Feb. 17.
Copeland, Francis C., San Francisco, Calif. Cigarette delivery and lighting device. 1,802,629; Apr. 28.
Copeland, Francis C., San Francisco, Calif. Dispensing and lighting device. 1,838,363; Dec. 29.
Copeland, George A., Rochester, N. Y. Packing case. 1,821,692; Sept. 1.
Copeland, Jacob, Chicago, Ill. Fixation chart. 1,790,900; Feb. 3.
Copeland, Jacob, Chicago, Ill., assignor to Riggs Optical Company, Consolidated. Retinoscope. 1,804,151; May 5.
Copeland Products. (See Brueckner, Fred F., assignor.)
Copeland Products, Inc. (See Mason, George W., assignor.)
Copeland Products Inc. (See Muffly, Glenn, assignor.)

Copeland Products, Incorporated. (See Nelson, Owen F., assignor.)
Copeland Products Inc. (See Scullen, Hugh J., assignor.)
Copeland Products Inc. (See Taylor, Samuel W., assignor.)
Copeland Products, Inc. (See Thomas, Charles C., assignor.)
Copeland & Thompson, Incorporated. (See Thompson, Sidney E., assignor.)
Copelin, Leonard S., Los Angeles, Calif. Expanding rotary underreamer. 1,801,265; Apr. 21.
Copelin, Le Roy, Jacksonville, Fla. Self leveling clock escapement verge rod. 1,806,966; May 26.
Copeman Laboratories Company. (See Copeman, Lloyd G., assignor.)
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Ice-cream cabinet. 1,789,578; Jan. 20.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Sharp freezing container for ice cream cabinets. 1,807,587; June 2.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Dispensing unit embodying mechanical refrigeration. 1,811,456; June 23.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Sharp freezing unit. 1,816,211; July 28.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Refrigerating unit. 1,816,638; July 28.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Sharp freezing container. 1,817,544; Aug. 4.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Sharp freezing container. 1,817,545; Aug. 4.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Refrigerating apparatus and heat transfer therein. 1,818,673; Aug. 11.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Unit formed partially of fired ceramic material. 1,822,013; Sept. 8.
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Apparatus for controlling the temperature of unit containers. 1,824,535; Sept. 22.
Copenhaver, Preston S. (See Demonet, E. A., and Copenhaver.)
Copony, Alfred, Mount Clemens, Mich., assignor to Copony Auto Loading Company, Detroit, Mich. Decking device. 1,824,983; Sept. 29.
Copony Auto Loading Company. (See Copony, Alfred, assignor.)
Copp, Earle M., San Juan, Porto Rico, assignor to Petree & Dorr Engineers, Inc., to New York, N. Y. Sugar cane process and apparatus. 1,824,875; Sept. 29.
Coppage, Benjamin D., Wilmington, Del. Rotary pump or liquid flow regulator. 1,838,252; Dec. 29.
Coppel, Leonard H., Los Angeles, Calif. Traffic button. Des. 84,027; Apr. 28.
Copper Deoxidation Corporation. (See Stout, Harry H., assignor.)
Copper Plate Sheet and Tube Company. (See Hummel, Frank L., assignor.)
Copper Plate Sheet & Tube Company. (See Knapp, Edwin R., assignor.)
Copper Plate Sheet and Tube Company. (See Watkins, William E., assignor.)
Coppersmith, Daniel S., Brooklyn, N. Y. Marker for plants or flowers. 1,808,292; June 2.
Copperweld Steel Company. (See McCrery, H. E., and Jesser.)
Copple, Dwight E., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Apparatus for forming spoke holes in rim members of vehicle wheels. 1,825,180; Sept. 29.
Coppock, Charles, Gold Hill, Oreg. Rake attachment for hoes. 1,808,293; June 2.
Coppock, Fred D., Greenville, Ohio. Portable stacker. 1,821,881; Sept. 1.
Coppola, Miguel, Montevideo, Uraguay. Life-preserver bumper-emergency brake police auxiliary device. 1,788,276; Jan. 6.
Coppus, Frans H. C., assignor to A. M. C. Wecksberg, V. L. Wood, and F. H. C. Coppus, trustees, Worcester, Mass. Air turbine exhauster for locomotives. 1,822,081; Sept. 8.
Coppus, H. C., et al., trustees. (See Coppus, Frans H. C., assignor.)
Copson, Raymond L. (See Curtis, H. A., and Copson.)
Coquille, Emile H., Paris, France. Fastening device for trunks. 1,796,748; Mar. 17.
Coquille, Emile H., Paris, assignor to Societe Anonyme Des Usines Chausson, Asnieres, France. Luggage and like carrier for motor vehicles. 1,825,940; Oct. 6.
Corah, William, Mansfield, England. Straight-bar knitting machine. 1,793,587; Feb. 24.
Coram, Roy E., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. High-frequency signaling. 1,797,284; Mar. 24.
Coram, Roy E., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Oscillation generator. 1,836,839; Dec. 15.
Corbett, Charles F., Edmonton, Alberta, Canada. Tobacco pipe. 1,826,738; Oct. 13.
Corbett, Edward L. (See McDonald, John C., assignor.)
Corbett, Edward L. (See Wallace, Marcel, assignor.)
Corbett, Herbert A., assignor to Columbian Rope Company, Auburn, N. Y. Twine ball. 1,818,694; Aug. 11.
Corbett, Herbert A., assignor to Columbian Rope Company, Auburn, N. Y. Twine balling apparatus and method. 1,830,641; Nov. 3.
Corbett, John F., Long Beach, Calif. Spray nozzle dissolver. 1,827,384; Oct. 13.
Corbit, John, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Chromium plated article. 1,835,636; Dec. 8.
Corbit, John, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Chromium plated article. 1,835,637; Dec. 8.
Corbus, Frederick G., assignor to D. M. Newbold, Philadelphia, Pa. Water heater. 1,816,177; July 28.
Corcoran-Brown Lamp Company, The. (See Schmidt, John F., assignor.)
Corcoran, Daniel A., Ardmore, Okla., assignor to Visible Oil Merchandising Co., Inc., Dallas, Tex. Visible liquid display device. 1,807,966; June 2.
Corcoran, George E., New York, N. Y. Rudder. 1,800,135; Apr. 7.
Corcoran, Ivan, Milwaukee, Wis., assignor to Square D Company, Detroit, Mich. Release mechanism. 1,813,914; July 14.
Corcoran, John J. (See Hull, S. P., Corcoran, and Lavarack.)
Corcoran Manufacturing Company, The. (See Corcoran, Nelson T., assignor.)
Corcoran, Nelson T., Cincinnati, assignor to The Corcoran Manufacturing Company, Norwood, Ohio. Cabinet. 1,802,552; Apr. 28.
Corcoran, Nelson T., Cincinnati, assignor to The Corcoran Manufacturing Company, Norwood, Ohio. Automobile radiator core. 1,812,515; June 30.
Corcoran, Thos. J. Lamp Co., The. (See Schmidt, J. F., Erhart, and Wright, assignors.)
Cord, Errett L., Chicago, Ill., H. C. Snow and D. C. Hollister, assignors, by mesne assignments, to Auburn Automobile Company, Auburn, Ind. Automobile radiator. Des. 84,625; July 14.
Cordell, Joseph C., Glenshaw, Pa. Spanner wrench. 1,817,352; Aug. 4.
Corder, Dave W., and C. H. Lawrence, Cody, Wyo. Sportsman's buoyant suit. 1,794,883; Mar. 3.
Cordes, Frank, Pittsburgh, Pa. Cooling means for ingot molds. 1,836,310; Dec. 15.
Cordes, John H., St. Louis, Mo. Gas generating apparatus. 1,819,230; Aug. 18.
Cordes, Oscar C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,809,963; June 16.
Cordes, Silas, Boise, Idaho. Headlight for motor vehicles. 1,806,611; May 26.
Cordey, Roger F. (See Seddon, W., and Cordey.)
Cordie, Cornell H., Wilmington, Del., and W. de C. Crater, Succasunna, N. J., assignors to Hercules Powder Company, Wilmington, Del. Producing explosives. 1,833,454; Nov. 24.
Cordier, André P. E., Curbevoie, assignor to Etablissement Signo, Paris, France. Control device for valves. 1,798,973; Mar. 31.
Cordier, Raymond, Canton, Ohio. Chord finder. 1,804,460; May 12.
Cordio, Antonio, assignor of one-half to S. Gerante, Fitchburg, Mass. Washboard. 1,795,762; Mar. 10.
Cordley, Christopher M., Greenwich, Conn., assignor to Cordley & Hayes, New York, N. Y. Dispenser faucet. Des. 83,390; Feb. 17.
Cordley, Christopher M., Greenwich, Conn., assignor to Cordley & Hayes, New York, N. Y. Liquid dispenser. Des. 85,812; Dec. 22.
Cordley, Christopher M., Greenwich, Conn., assignor to Cordley & Hayes, New York, N. Y. Liquid dispenser. Des. 85,813; Dec. 22.
Cordley & Hayes. (See Cordley, Christopher M., assignor.)
Cordova, James, Youngstown, Ohio. Hair clipper. 1,795,836; Mar. 10.
Corduan, Gustave F. (See Burlin, L. H., and Corduan.)
Corduan Manufacturing Company. (See Burlin, L. H., and Corduan, assignors.)
Corduroy Tire Company. (See Gorsuch, E. H., and Slack, assignors.)
Cordy, Harry, Los Angeles, Calif. Landing gear for airplanes. 1,816,143; July 28.
Cordy, Harry, Los Angeles, Calif. Aeroplane. 1,818,116; Aug. 11.
Corell, Leon O., assignor to The Wigginton Company, Kalamazoo, Mich. Door-operating mechanism. 1,791,475; Feb. 3.
Corell, Martin et al. (See Kränzlein, G., Vollmann, and Corell.)
Corey, Elmer O., Norwood, assignor to The Edna Brass Manufacturing Company, Cincinnati, Ohio. Gauge cock. 1,821,422; Sept. 1.
Corey, George H. (See Corson, Michael G., assignor.)
Corey, Harry F., assignor to The Ives Corporation, Bridgeport, Conn. Toy bogie truck. 1,791,660; Feb. 10.
Corey, Lorin A., assignor, by mesne assignments, to General Instrument Company, La Crosse, Wis. Gauge. 1,813,566; July 7.

Corey, Percival C., assignor of one-third to J. C. Massey and one-third to C. Wallace, jr., Los Angeles, Calif. Oil-well rotary fishing tool. 1,788,912; Jan. 13.
Corhart Refractories Company. (See Schroeder, Frederic W., assignor.)
Corl, Robert M. (See Howlett, Grayle W., assignor.)
Corliss, Cyrus, Boston, Mass. Apparatus for feeding coal and like material. 1,807,388; May 26.
Corne, Dustin, and H. K. Lanman, Circleville, Ohio. Wire wrapping tool. 1,835,204; Dec. 8.
Cornelius, Hampus G. E. (See Gustafsson, E. G. T., and Norén, assignors.)
Cornelius, Hermann. (See Sölter, Hugo, and Cornelius.)
Cornelius, Louis A., assignor to Wolverine Brass Works, Grand Rapids, Mich. Valve structure. 1,830,734; Nov. 3.
Cornelius, Richard T., Minneapolis, Minn. Humidifying and air washing system. 1,835,760; Dec. 8.
Cornelius, Welsey F., Whittier, Calif. Collapsible traffic button. 1,802,940; Apr. 28.
Cornell Bag Corporation. (See Cornell, John E., assignor.)
Cornell Bag Corporation. (See Currier, Andrew E., assignor.)
Cornell Bag Corporation. (See Currier, Arthur L., assignor.)
Cornell, Carlyle P., and J. E. Slaby, Denver, Colo. Ink agitating appliance for printing presses. 1,809,159; June 9.
Cornell, Edward S., jr., Watertown, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Tube-flanging tool. 1,827,733; Oct. 20.
Cornell, Edward S., jr., Watertown, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Tube-flanging tool. 1,827,882; Oct. 20.
Cornell, Edward S., jr., Watertown, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Tube-flanging tool. 1,828,459; Oct. 20.
Cornell, Fritz G., jr., Caldwell, assignor to Jensen Creamery Machinery Co., Bloomfield, N. J. Heat exchange device. Re18,127; July 14.
Cornell, Fritz G., jr., Caldwell, assignor to Jensen Creamery Machinery Co., Bloomfield, N. J. Device for treating food products. 1,795,932; Mar. 10.
Cornell, Fritz G., jr., Caldwell, assignor to Jensen Creamery Machinery Co., Bloomfield, N. J. Heat-exchange device. 1,799,356; Apr. 7.
Cornell, Fritz G., jr., Mountain Lakes, assignor to Jensen Creamery Machinery Co., Bloomfield, N. J. Heat-exchange device. 1,795,837; Mar. 10.
Cornell, Irsil L. G., assignor to The Milwaukee Brush Manufacturing Company, Milwaukee, Wis. Rotary brush.. 1,800,376; Apr. 14.
Cornell, John A. (See McCune, George W., assignor.)
Cornell, John E., Chicago, Ill., assignor, by mesne assignments, to Cornell Bag Corporation. Bag. 1,821,207; Sept. 1.
Cornell, Mead, assignor, by mesne assignments, to The Merrill Company, San Francisco, Calif. Meter. Re18,067; May 12.
Cornell, Vernon E., Cleveland, assignor to The Stevens Metal Products Company, Niles, Ohio. Metallic receptacle and closure therefor. 1,792,278; Feb. 10.
Cornell, Vernon E., Cleveland, assignor to The Stevens Metal Products Company, Niles, Ohio. Metallic receptacle and closure therefor. 1,792,279; Feb. 10.
Cornell, Vernon E., Cleveland, assignor to The Stevens Metal Products Company, Niles, Ohio. Metallic receptacle and closure therefor. 1,792,280; Feb. 10.
Cornell, Vernon E., Cleveland, assignor to The Stevens Metal Products Company, Niles, Ohio. Metallic receptacle and closure therefor. 1,792,281; Feb. 10.
Cornell, Wayland, Minneapolis, Minn. Flash light. 1,788,277; Jan. 6.
Cornella, Emanuel, Chicago, Ill. Aeroplane. 1,793,387; Feb. 17.
Cornell University. (See Sharp, Paul F., assignor.)
Cornett, Daisy H. (See Ford, David O., assignor.)
Cornett, Walter V., Los Angeles, Calif., assignor to Rapid Pavement Breaker Corporation. Pavement wrecking machine. 1,830,751; Nov. 10.
Cornett, Walter V., Los Angeles, Calif., assignor to Rapid Pavement Breaker Corporation. Pavement breaking machine. 1,830,752; Nov. 10.
Cornfield, Howard R., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Contact finger. 1,831,843; Nov. 17.
Cornibert, Pierre, Turin, Italy, assignor, by mesne assignments, to Sächische Textilmachinefabrik vorm. Rich. Hartman, Aktiengesellschaft, Chemnitz, Germany. Pull-through drawing frame for medium and long fibrous material, more particularly, combed wool, artificial silk, ramie. 1,827,385; Oct. 13.
Cornic, Emile, Paris, France. Umbrella. 1,828,396; Oct. 20.
Cornic, Yves, Asnieres, France. Artificial sponge and manufacture thereof. 1,816,764; July 28.
Cornillat, Joseph M. H., Paris, France. Manufacture of zinc white. 1,820,598; Aug. 25.
Corning Glass Works. (See Bailey, James, assignor.)
Corning Glass Works. (See Bailey, J., and Miller, assignors.)
Corning Glass Works. (See Gray, David E., assignor.)
Corning Glass Works. (See Hockenyos, George L., assignor.)
Corning Glass Works. (See Hood, Harrison P., assignor.)
Corning Glass Works. (See LaFollette, C. D., and Jahraus, assignors.)
Corning Glass Works. (See Said, William H., assignor.)
Corning Glass Works. (See Smith, Rowland D., assignor.)
Corning Glass Works. (See Willis, Sanford L., assignor.)
Corning Glass Works. (See Woods, W, J., and Gray, assignors.)
Corning Glass Works. (See Woods, William J., assignor.)
Cornish, Reynelle G. H. (See Feldman, P., and Cornish.)
Cornner, Asa F., and G. W. K. King, assignors of one-sixth to P. P. Haag, Coffeyville, Kans., seven-twelfth to R. T. Osborn, New York, N. Y., one-sixth to said Cornner, and one-twelfth to said King. Valve. 1,821,929; Sept. 8.
Cornstalk Products Company. (See Darling, Elton R., assignor.)
Cornstalk Products Company. (See Dorner, Bèla, assignor.)
Cornu, Alexander, Le Houlme, France. Tension mechanism for warp beams. 1,791,801; Feb. 10.
Cornu, Maurice, Marcinelle-lez-Charleroi, assignor to Ateliers de Constructions Electriques de Charleroi, Brussels, Belgium. Alternating current electrical machine. 1,823,089; Sept. 15.
Cornwall, Albert B., Pittsburgh, Pa. Shelving. 1,826,055; Oct. 6.
Cornwell, Virgilio, assignor to The Federal Glass Company, Columbus, Ohio. Apparatus for manufacturing stemmed and footed glassware. 1,798,308; Mar. 31.
Corona Conversion Corporation. (See Rowland, Herbert R., assignor.)
Corona Conversion Corporation. (See Teplitz, Morris, assignor.)
Coroniti, Domenick, et al. (See Dicola, Rocco, assignor.)
Corrall, Herbert, Oakfield, Helensburgh, and J. Heggie, Clydebank, Scotland, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Stocking guiding device for use with sewing machines. 1,826,694; Oct. 6.
Corrall, Herbert, Helensburgh, and J. Heggie, Clydebank, Scotland, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Machine for drawing threads in fabrics. 1,827,706; Oct. 13.
Corrigan, James T., Washington, D. C. Loud speaker. 1,803,892; May 5.
Corrigan, Michael C., Massillon, and D. E. Jenkins, Canton, assignors, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Rolling metal. 1,829,339; Oct. 27.
Corry Metal Corporation. (See Chamberlain, Wilson P., jr., assignor.)
Corsbie, Lee P. (See Lonergan, S. J., and Corsbie.)
Corse, Gaston, assignor to Etablissements L. Chambon, Paris, France. Offset and typographic printing machine. 1,798,974; Mar. 31.
Corse, Gaston, assignor to Establissements L. Chambon, Paris, France. Method and apparatus for printing variable letterpress. 1,825,510; Sept. 29.
Corson, Harry P., Lakewood, assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Inhibitor. 1,809,621; June 9.
Corson, John E. (See Beeson, Joseph W., assignor.)
Corson, Michael G., Jackson Heights, N. Y. Alloy composition. 1,835,205; Dec. 8.
Corson, Michael G., Jackson Heights, assignor of three-twentieths to G. H. Corey, Bayside, N. Y. Copper alloy and treating same. 1,792,146; Feb. 10.
Corson, Ralph, Ashland, N. J., assignor to Congoleum-Nairn, Inc. Linoleum edging. 1,790,618; Jan. 27.
Cortelyou, William C., Oblong, Ill. Sign. 1,788,278; Jan. 6.
Cortés, Francisco P., Astoria, N. Y. Operating windows. 1,811,174; June 23.
Coseo, Frederick C., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Battery box. 1,803,424; May 5.
Coseo, Frederick C., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Trolley harp. 1,821,424; Sept. 1.
Coseo, Frederick C., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Trolley harp. 1,821,425; Sept. 1.
Costello, Henry O., Providence, R. I. Display toy. 1,806,448; May 19.
Corticelli Silk Company. (See Furman, Abraham P., assignor.)
Corundite Refractories, Inc. (See Orwick, H. R., and Bognar, assignors.)
Corwin, David S., Greenport, N. Y. Building construction. 1,810,597; June 16.
Corwin, Harley G., G. D. Blair, and C. W. Gilman, Los Angeles, Calif. Adjustable lighting fixture for mirrors. 1,820,348; Aug. 25.
Corwin, James A. (See Braden, William A., assignor.)
Cory, Chas., Corporation. (See Jones, Joseph S., assignor.)
Cory, Claude D., Seattle, Wash. Concrete admixture composition. 1,826,166; Oct. 6.
Cory, Horace, and Company. (See Price, William P., assignor.)
Cory, M. M. (See Jerl, John, assignor.)
Cory, Samuel I., Towaco, N. J., assignor to American Telephone and Telegraph Company. Telegraph transmission measuring system. 1,825,715; Oct. 6.

Coryel, Charles, et al. (See Komarek, Gustav, assignor.)
Coryell, Charles N., Mamaroneck, N. Y. Holder for stick material. 1,790,263; Jan. 27.
Coryell, Charles N., Larchmont, N. Y. Vanity case. 1,813,147; July 7.
Coryell, Charles N., Larchmont, N. Y. Vanity case. 1,818,793; Aug. 11.
Coryell, William C., assignor to Republic Steel Corporation, Youngstown, Ohio. Making metal strips. 1,825,854; Oct. 6.
Cosgrove, Caroline E., administratrix. (See Cosgrove, John W.)
Cosgrove, John W., deceased, by C. E. Cosgrove, administratrix, Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. French-binding straightening and cementing machine. 1,790,901; Feb. 3.
Cosgrove, John W., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cementing machine. 1,800,510; Apr. 14.
Cosgrove, John W., deceased, by C. E. Cosgrove, administratrix, Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cementing machine. 1,822,019; Sept. 8.
Cosgrove, John W., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Mounting device. 1,830,593; Nov. 3.
Cosgrove, John W., deceased; C. E. Cosgrove, administratrix, Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cementing machine. 1,831,904; Nov. 17.
Cosin, Joseph J., Newark, N. J. Powder puff and manufacturing the same. 1,815,763; July 21.
Cosman, Villbrandt & Zehnder, A. G. (See Rieder, Johannes, assignor.)
Cosmi, Rodolfo, Maceratafeltria, Italy. Shotgun. 1,802,198; Apr. 21.
Cosmic Arts, Inc. (See Lambert, Arthur, assignor.)
Cossock, Ralph, Providence, R. I. Nailing machine. 1,823,644; Sept 15.
Costa, Archield. (See Rose, J. W., and Costa.)
Costa, Frank I., and E. V. Mello, Los Alamos, Calif. Tank-filling device for automobiles. 1,793,159; Feb. 17.
Costakos, Theodore M., Minneapolis, Minn. Drink mixing device. 1,810,554; June 16.
Costanievich, Leone, Trieste, Italy. Promoting propeller efficiency and means thereof. 1,837,896; Dec. 22.
Coste, Costante D., Clayton, Wash. Lamination disintegrator. 1,809,160; June 9.
Costello Engineering Company. (See Kneass, Strickland, jr., assignor.)
Costello, Joseph P., and F. O'Connell, assignors to Collins & Aikman Corporation, Philadelphia, Pa. Weaving. 1,802,907; Apr. 28.
Costello, Nelson L. (See Goldberg, P., and Costello.)
Costello, Paul S., Philadelphia, Pa., assignor of one-third to D. B. George and F. E. Mitulski, St. Louis, Mo. Shoe. 1,812,622; June 30.
Costello, Peter E., assignor to Federal Tin Company, Baltimore, Md. Sifter top for cans or containers. 1,802,199; Apr. 21.
Costello, Thomas J. (See Frank, I. W., Biggert, and Costello.)
Costello, William F., assignor to The New Britain Machine Company, New Britain, Conn. Tool set and container therefor. 1,826,739; Oct. 13.
Costigan, Charles C., assignor of one-half to A. E. Cromer and one-half to A. R. Jones, Christiansburg, Va. Furniture polish. 1,819,736; Aug. 18.
Costin, William G., assignor to Pittsburgh Screw & Bolt Corporation, Pittsburgh, Pa. Barrier cable support. 1,797,522; Mar. 24.
Cota, Phillip, Kankakee, Ill. Reclining seat back. 1,811,917; June 30.
Cotal, Jean, assignor to Societe d'Exploitation des Brevets Cotal, Paris, France. Speed increasing and reducing apparatus. 1,802,630; Apr. 28.
Cotal, Jean, assignor to Societe d'Exploitation des Brevets Cotal, Paris, France. Clutching and speed changing device. 1,803,235; Apr. 28.
Cote Brothers Fuse Manufacturing Corporation. (See Cote, Thomas F., assignor.)
Cote, Thomas F., assignor to Cote Brothers Fuse Manufacturing Corporation, Clinton, Iowa. Fuse. 1,807,967; June 2.
Cotes, William A., assignor to Reo Motor Car Company, Lansing, Mich. Seam rolling machine. 1,826,506; Oct. 6.
Cothay, Frank H., assignor of one-half to Ropp Tin Limited, London, England. Bucket and bucket elevator and dredge. 1,797,330; Mar. 24.
Cotler, Abraham, and C. F. W. Forssberg, Brooklyn, N. Y.; said Forssberg, assignor to said Cotler. Combined hand bag and concealed muff. 1,810,894; June 23.
Cotta Transmission Corporation. (See Nelson, Floyd R., assignor.)
Cottam, Robert T., assignor of one-half to J. D. Cox, High Point, N. C. Tricycle or the like. Des. 83,033; Jan. 13.
Cotte, Marie, Leipzin, Germany. Machine for producing tape loops. 1,804,916; May 12.
Cotter, Ernest W., London, assignor to J. Stone & Company Limited, Deptford, England. Sliding window. 1,809,403; June 9.
Cotter, Thomas, Evansville, Ind. Releasing threading die. 1,805,905; May 19.
Cottet, Andre E. (See Nandillon, A. E. G., and Cottet.)
Cotton, Cecil W. (See Singleton, William H., assignor.)
Cotton, Richard T. (See Roark, R. C., and Cotton.)
Cotton, Robert C., and F. J. Mershon, Kalamazoo, Mich. Safety check. 1,833,869; Nov. 24.
Cotton, Walter H., assignor to Union Draft Gear Company, Chicago, Ill. Draft gear. 1,835,282; Dec. 8.
Cotton, William J. (See Haubrook, R. W., and Cotton.)
Cotton Harvester Corporation of America. (See Berry, Hiram N., assignor.)
Cotton Harvester Corporation of America. (See Wirth, Louis E., assignor.)
Cottonwood Fiber Company. (See Loepfe, Charles M., assignor.)
Cotton-Wood Products, Inc. (See Gerard, A., and Weisman, assignors.)
Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
Cottrell, C. B., & Sons Company. (See Cottrell, Calvert B., 3d, assignor.)
Cottrell, Calvert B., 3d., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Tension-controlling means for traveling offset webs. 1,796,830; Mar. 17.
Cottrell, Calvert B., 3d., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Tension-controlling means for traveling offset webs. 1,796,832; Mar. 17.
Coty, Alfred C. (See Coty, Thomas E. and A. C.)
Coty, Alfred C. and T. E., Watertown, N. Y. Bag-bottoming machine. 1,792,678; Feb. 17.
Coty, Inc. (See Tourtois, Fernand, assignor.)
Coty, Thomas E. (See Coty, Alfred C. and T. E.)
Coty, Thomas E. and A. C., Watertown, N. Y. Tuber for multiwall bags. 1,816,361; July 28.
Couade, Lucien, St. Denis, France. Tin with opening device. 1,818,695; Aug. 11.
Couade, Maurice, Paris, France. Cinematographic projector. 1,821,930; Sept. 8.
Coubrough, George B., Long Beach, Calif., assignor to Walter E. Lummus, Lynn, Mass. Method and apparatus for liquefying vapor mixtures. 1,816,212; July 28.
Couch, Forrest J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Stripping means for flat work ironers. 1,808,764; June 9.
Couch, Glenn F., Rochester, assignor to The Gould Coupler Company, New York, N. Y. Friction draft gear. 1,797,639; Mar. 24.
Couch, Glenn F., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,799,090; Mar. 31.
Couch, Glenn F., Rochester, assignor to The Gould Coupler Company, New York, N. Y. Brake hanger bracket. 1,820,443; Aug. 25.
Couch, S. H., Company. (See Morrison, Archie T., assignor.)
Couch, Samuel H. (See Morrison, A. T., and Couch.)
Coughlin, Charles L., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Magnetic flywheel and forming the same. 1,792,530; Feb. 17.
Coughlin, Daniel R., assignor to French Battery Company, Madison, Wis. Combination oil can and flash light. 1,793,160; Feb. 17.
Coughlin, George, New York, N. Y. Deposit receptacle. 1,805,760; May 19.
Coughlin, James M., Wilkes-Barre, and O. P. Ross, Kingston, assignors to Wilkes-Barre Can Company, Wilkes-Barre, Pa. Vase. 1,812,737; June 30.
Coughlin, Sylvia E., Columbus, N. Dak. Holder for road maps or logs. 1,796,243; Mar. 10.
Coughtry, Arthur J., Portsmouth, N. H. Determining the center of gravity of ships. 1,788,824; Jan. 13.
Coulombe, Charles, Detroit, Mich. Valve mechanism oil jacket. 1,805,807; May 19.
Coulombe, Joseph C., Kokomo, Ind. Fuel feeding apparatus. 1,823,887; Sept. 22.
Coulombe, Ovide J., et al. (See St. Clair, Levi, assignor.)
Coulson, Charles H., Hanover, Pa. Shoe heel. 1,803,236; Apr. 28.
Coulson, Edwin, Chiswick, London, England. Feeding mechanism of slicing machines. 1,793,359; Feb. 17.
Coultas, Wilbur J. (See Paradise, L. A., and Coultas.)
Coultas, Wilbur J., assignor to Deere & Company, Moline, Ill. Clutch mechanism. 1,821,543; Sept. 1.
Coultas, Wilbur J., assignor to Deere & Company, Moline, Ill. Mower. 1,822,204; Sept. 8.
Coultas, Wilbur J., assignor to Deere & Company, Moline, Ill. Corn harvester. 1,838,744; Dec. 29.
Coultas, Wilbur J., and R. C. Livesay, assignors to Deere & Company, Moline, Ill. Power take-off mechanism for tractors. 1,827,070; Oct. 13.
Coultas, William L., Seaford, N. Y. Burning oil. 1,832,280; Nov. 17.
Coulter, Guy H., and S. F. Arbuckle, Highland Park, assignors to Monogram Lens Corporation, Detroit, Mich. Headlight socket and mounting same. 1,812,623; June 30.
Coulter, Samuel N., Los Angeles, Calif. Garment supporter. 1,825,898; Oct. 6.
Coulter, Samuel N., Los Angeles, Calif. Garment supporter. 1,833,069; Nov. 24.
Council, Kinchen C., Wananish, N. C. Tool holder. 1,826,459; Oct. 6.

Counter Cooking Machine Corporation. (See Cookson, Clarence F., assignor.)
Coup, Carmon L., Jefferson, Ohio. Speed wrench. 1,788,014; Jan. 6.
Coupard, Christian, assignor to Societe Anonyme "l'Aspiration Scientifique", Paris, France. Secondary fluid current production apparatus. 1,808,638; June 2.
Coupier, Marcel, Paris, France. Liquid measuring and delivering apparatus. 1,824,261; Sept. 22.
Coupland, Richard C., Norfolk, Va. Ammunition-feed box. 1,799,283; Apr. 7.
Coupland, Richard C., Norfolk, Va. Operating mechanism for machine guns. 1,799,284; Apr. 7.
Coupland, Richard C., Norfolk, Va. Gun sight. 1,819,769; Aug. 18.
Courchesne, Robert, Montreal, Quebec, Canada. Air-pressure indicator. 1,796,244; Mar. 10.
Courtaulds Limited. (See Jones, R. S., and Pearson, assignors.)
Courtaulds Limited. (See Lewis, Frederick D., assignor.)
Courtaulds Limited. (See Shedden, F., Delph, and Baguley, assignors.)
Courtaulds Limited. (See Stokes, William H., assignor.)
Courtenay, Frederic D., Short Hills, N. J., assignor to Embosograf Corporation of America, New York, N. Y. Sign display stand. Des. 84,130; May 12.
Courtenay, Frederic D., East Orange, N. J., assignor to Embosograf Corporation of America, New York, N. Y. Easel. 1,825,716; Oct. 6.
Courtenay, William A., jr., Chester, assignor to Sun Oil Company, Philadelphia, Pa. Vending machine. 1,816,470; July 28.
Courtney, Louis J. (See Heffelfinger, L. W., and Courtney.)
Courtney, Nicholas P., Passaic, N. J. Receptacle opener. 1,815,901; July 28.
Courtney, Nicholas P., Passaic, N. J. Receptacle opener. 1,819,873; Aug. 18.
Courtney, Nicholas P., Passaic, N. J. Receptacle opener. 1,826,740; Oct. 13.
Courtney, Thomas L., Maryborough, Victoria, Australia. Shock absorbing road wheel of vehicles. 1,803,886; June 9.
Courtois, Gaston F., Lyon, France. Atomizer. 1,814,128; July 14.
Coury, Joseph, Paris, assignor to the Society Manufacture de Bonneterie de l'Argonne, Viennè le Chateau, France. Producing knitted hose, stockings, and the like. 1,791,235; Feb. 3.
Couse, Kibbey W. (See Christie, H. E., and Couse.)
Cousin, Abel J. C., Bangkok, Siam, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,794,152; Feb. 24.
Cousins, George T., New Rochelle, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Holding device. 1,808,452; June 2.
Coutant, Roger G. L. (See Veber, Georges, assignor.)
Couten, Marie, (born Dominget), Vincennes, France. Automatic fire extinguisher. 1,822,801; Sept. 8.
Coutin, Jean, assignor to Preparation Industrielle Des Combustibles (Societe Anonyme), Nogent-sur-Marne, Seine, France. Cleaning device for trucks. 1,826,460; Oct. 6.
Coutin, Jean, assignor to Préparation Industrielle des Combustibles (Societe Anonyme), Nogent-Sur-Marne, France. Cushioning device for reciprocating sieves and other apparatus. 1,829,340; Oct. 27.
Couture, John R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rubber-coated fabric. 1,795,199; Mar. 3.
Couzens Ice Machine Company. (See Beman, Ransom H., assignor.)
Couzinet, René A. A., Paris, France. Airplane. 1,811,304; June 23.
Couzinet, René A. A., Levallois-Perret, France. Control members of an airplane. 1,811,305; June 23.
Couzinet, René A. A., Levallois-Perret, France. Airplane collapsible undercarriage for alighting on land and water. 1,836,704; Dec. 15.
Covell, Ernest G., assignor to Cameo Refrigerator Corporation, Los Angeles, Calif. Folding table. 1,796,002; Mar. 10.
Covell, Harold S., Holland, Mich., assignor to Hart & Cooley Manufacturing Company. Furnace register. 1,815,346; July 21.
Covell, Nathaniel, Tidioute, Pa. Saw set. 1,834,237; 1,834,237; Dec. 1.
Cover, Berkey E., Chicago, Ill. Signal system. 1,788,618; Jan. 13.
Cover, Harvey S., South Bend, Ind. Optical instrument. 1,795,424; Mar. 10.
Cover, Harvey S., South Bend, Ind. Binocular optical instrument. 1,795,425; Mar. 10.
Cover, Harvey S., South Bend, Ind. Binocular optical instrument. 1,802,048; Apr. 21.
Cover, Harvey S., South Bend, Ind. Binocular optical instrument. 1,811,614; June 23.
Cover, Harvey S., South Bend, Ind. Respirator. 1,813,915; July 14.
Cover, Harvey S., South Bend, Ind. Monocular optical instrument. 1,837,207; Dec. 22.
Cover, Harvey S., South Bend, Ind. Monocular optical instrument. 1,837,208; Dec. 22.
Covert, Martin B., Indianapolis, Ind., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,818,307; Aug. 11.
Cove Tower Company. (See Barnhart, Henry T., assignor.)
Covey, Clarence F., assignor to The McAuley Automatic Trap Company, Pittsburgh, Pa. Luminous tube sign. 1,814,831; July 14.
Covey, Felix M., Duluth, Minn. Aircraft propeller. 1,835,849; Dec. 8.
Covey, Felix M., Duluth, Minn. Aircraft propeller. 1,835,933; Dec. 8.
Covey, George, assignor of one-half to G. I. Toews, Cullison, Kans. Toy. 1,788,453; Jan. 13.
Covey, John E. (See Dziedzic, M., and Covey.)
Covey, John E., assignor to Swift & Company, Chicago, Ill. Hanging beef in oil-soaked stockinet bags. 1,790,698; Feb. 3.
Covington, General L., Chehalis, Wash. Gold-saving apparatus. 1,815,548; July 21.
Cowan, Edward J., Dedham, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Rack for insulating casing condensers. 1,801,413; Apr. 21.
Cowan, Frank A., East Orange, N. J., assignor to American Telephone and Telegraph Company. Measuring and monitoring circuits for telephone lines. 1,793,588; Feb. 24.
Cowan, Frank A., East Orange, N. J., assignor to American Telephone and Telegraph Company. Gain measuring apparatus. 1,821,005; Sept. 1.
Cowan, Henry, New York, N. Y. Rug or similar article. Des. 83,847; Apr. 7.
Cowan, Henry W., Toronto, Ontario, Canada. Drying lumber and other moisture-containing materials. 1,796,141; Mar. 10.
Cowan, James L., assignor to Italo-French Produce Company, Pittsburgh, Pa. Display package. 1,804,152; May 5.
Cowan, Kenneth B. (See Blase, H., and Cowan.)
Cowan, Richard S., Fort Worth, Tex., assignor, by mesne assignments, to General Ice Scoring Machine Company. Ice scoring machine. 1,802,404; Apr. 28.
Cowan, Richard S., assignor to General Ice Scoring Machine Co., Fort Worth, Tex. Ice scoring machine. 1,831,057; Nov. 10.
Cowan, Roysel J., Toledo, assignor to The Surface Combustion Co., Incorporated, Toledo, Ohio. Annealing gray iron. 1,789,136; Jan. 13.
Cowan, Roysel J., and P. W. McCoy, assignors to Surface Combustion Corporation, Toledo, Ohio. Case hardening. 1,813,028; July 7.
Coward, Charles. (See Cheston, A. S., C. Coward, and C. F. Coward.)
Cowardin, Harry A., Marion, Ohio, assignor of one-half to S. P. Cowardin, Richmond, Va. Oil relay governor. 1,829,701; Oct. 27.
Cowardin, Samuel P. (See Cowardin, Harry A., assignor.)
Cowdery, Arthur B., Needham, Mass., assignor to The Barrett Company. Pigment and producing the same. 1,820,444; Aug. 25.
Cowdery, Arthur B., Needham, Mass., and T. A. Bulifant, Maywood, N. J., assignors to The Barrett Company, New York, N. Y. Product and process for rubber compounding. 1,793,161; Feb. 17.
Cowdin, Charles E., Portland, Oreg., assignor to Cowdin Company. Writing device. 1,818,383; Aug. 11.
Cowdin Company. (See Cowdin, Charles E., assignor.)
Cowdrey, Arthur L., Cleveland Heights, Ohio. Traffic signal indicator. 1,814,667; July 14.
Cowell, Harry H., Clay Center, Kans., assignor, by mesne assignments, to Oliver Farm Equipment Company, Chicago, Ill. Disk furrow opener for seeding machines. 1,838,476; Dec. 29.
Cowell, John W., Grayling, Mich. Wall-board enamel and applying the same. 1,793,437; Feb. 17.
Cowen, Isidor, New York, N. Y. Doll or similar article. Des. 84,810; Aug. 11.
Cowen, Joshua L., New York, N. Y., and L. Caruso, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Electrical toy. 1,822,015; Sept. 8.
Cowen, Ray D. (See Simchuk, George, assignor.)
Cowen, Robert I., New York, N. Y. Colored and tinted parchment paper and the like and manufacture of the same. 1,790,367; Jan. 27.
Cowgill, Orph W., University City, assignor to St. Louis Label Works, St. Louis, Mo. Paper box making machine. 1,814,369; July 14.
Cowing, Helen H., Cleveland, Ohio. School record. 1,830,506; Nov. 3.
Cowles, Arthur B., Rochester, N. Y. Bird house or similar structure. 1,791,956; Feb. 10.
Cowles, Clifford W., New Britain, assignor of one-half to F. L. Benzon, Plainville, Conn. Fuse and cut-out. 1,793,305; Feb. 17.
Cowles, Edwin, Short Hills, assignor to Cowles Engineering Corporation, Sewaren, N. J. Preventing tangling. 1,789,272; Jan. 13.
Cowles, Edwin, Short Hills, assignor to Cowles Engineering Corporation, Sewaren, N. J. Washing machine. 1,790,902; Feb. 3.
Cowles Engineering Corporation. (See Cowles, Edwin, assignor.)
Cowles, Harry L., New York, N. Y. Apparatus for refuse incineration and disposal. 1,800,817; Apr. 14.
Cowles, Henry C., jr. (See Henderson, L. M., and Cowles.)
Cowles, Irving, assignor to Union Bank of Chicago, Chicago, Ill. Compression pipe coupling. 1,791,121; Feb. 3.

Cowles, Samuel E., Woronoco, assignor to Strathmore Paper Company, Mittineague, Mass. Reel. 1,800,511; Apr. 14.
Cowles, Theodore B., assignor of one-half to C. M. Park, Madison, Wis. Damper control device. 1,810,464; June 16.
Cowles, Theodore B., and C. M. Park, Madison, Wis. Gravity feed control. 1,815,347; July 21.
Cowley, James T., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch system. 1,803,893; May 5.
Cowley, James T., assignor to The Lamson Company, Syracuse, N. Y. Power controller. 1,815,188; July 21.
Cowley, James T., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic drop. 1,835,850; Dec. 8.
Cowley, James T., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch tube system. 1,837,703; Dec. 22.
Cowley, James T., and L. C. Allen, assignors to The Lamson Company, Syracuse, N. Y. Conveying apparatus. 1,804,153; May 5.
Cowley, James T. and L. C. Allen, assignors to The Lamson Company, Syracuse, N. Y. Conveyer system. 1,804,154; May 5.
Cowlishaw, Roy G., Manly, assignor to H. Bailey, Homebush, near Sydney, New South Wales, Australia. Pneumatic brake for railroad vehicles. 1,792,895; Feb. 17.
Cowman, Clifford J., Mallard, Iowa. Humidifier. 1,822,644; Sept. 8.
Cowper-Coles, Sherard O., Sunbury-on-Thames, England. Manufacture of metallic sheet strip or wire. 1,806,587; May 26.
Cowperthwait, Norman R., Silver Lake, Kans. Electric annunciator for automobile tires. 1,804,209; May 5.
Cowsert, Leonard F., et al. (See Hammett, James Q., assignor.)
Cox, Anthony B., Wilkinsburg, Pa. Standard gear tooth form. 1,825,621; Sept. 29.
Cox, Charles H., Los Angeles, Calif. Air gauge. 1,794,672; Mar. 3.
Cox, Clarence H., Massillon, Ohio. Steel preservative paint. 1,811,040; June 23.
Cox, Clarion G. (See Jarvis, Henry M., assignor.)
Cox, Earl B. (See Wayne, H. N., and Cox.)
Cox, Edwin P., Edgewood Arsenal, Md. Coating composition. 1,824,771; Sept. 29.
Cox, Floyd A., De Soto, Kans. Connecting-rod bearing. 1,789,728; Jan. 20.
Cox, Frederick J., London, England. Refractory diaphragm for use in surface-combustion apparatus. 1,830,826; Nov. 10.
Cox, George H., Kearney, Nebr. Pipe line plug. 1,831,905; Nov. 17.
Cox, Harold N., Glen Ridge, N. J., assignor to Cox Multi-Color Photo Company, Pittsburgh, Pa. Multiple-image camera. 1,811,495; June 23.
Cox, Herbert M., Canton, and C. M. Smith, Massillon, Ohio, assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Heat treating iron and steel sheets. 1,792,573; Feb. 17.
Cox, Howard V., Larussel, Mo. Signal switch. 1,822,956; Sept. 15.
Cox, James F., Fort Worth, Tex. Heel brace. 1,830,091; Nov. 3.
Cox, James W., assignor to Pacific Flush Tank Company, Chicago, Ill. Distributing tank. 1,790,699; Feb. 3.
Cox, John H., Lowell, assignor of one-half to C. Burkley, Gastonia, N. C. Stopping mechanism for spoolers and the like. 1,806,612; May 26.
Cox, John L., and B. M. Fine, Philadelphia, Pa. Projectile provided with windshield. 1,829,212; Oct. 27.
Cox, John W., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,818,943; Aug. 11.
Cox, John W., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,821,931; Sept. 8.
Cox, Joseph D. (See Cottam, Robert T., assignor.)
Cox, Joseph E. (See Nash, F. L., and Cox.)
Cox, Joseph F., Boston, Mass. Drop hammer. 1,800,339; Apr. 14.
Cox, Maurice C., and R. B. Ryan, Oakland, Calif., assignors to Ryco, Inc., Ltd. Portable boring machine. 1,792,820; Feb. 17.
Cox Multi-Color Photo Company. (See Cox, Harold N., assignor.)
Cox, Nathan H., Naugatuck, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn. Drawbench mechanism. 1,802,908; Apr. 28.
Cox, Paul F., assignor to Goss Printing Press Company, Chicago, Ill. Running tympan attachment. 1,818,384; Aug. 11.
Cox, Samuel F., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Air-heater cleaner. 1,798,370; Mar. 31.
Cox, Samuel J., assignor to Colorfuse Limited, London, England. Transfer of color designs to fibrous materials. 1,820,559; Aug. 25.
Cox, Walter, Methuen, assignor to G. W. Pearson, trustee, Lowell, Mass. Adjustable ring holder and spring washer. 1,789,170; Jan. 13.
Cox, William, Toronto, Ontario, Canada. Fare box. 1,793,466; Feb. 24.
Cox, William E., assignor to The Sco Electrical Products Co., Incorporated, Jackson, Mich. Electrical switch. 1,790,974; Feb. 3.
Cox, Willis T., Rivera, Calif. Automatic battery filler. 1,815,348; July 21.
Coxe, Edmund J. D., Philadelphia, Pa. Apparatus for utilizing solar heat. 1,814,897; July 14.
Coxhead, Harry B., Hollis, N. Y., assignor to American Telephone and Telegraph Company. Radio receiving circuit. 1,804,526; May 12.
Coyle, Augusta W., London, Ontario, Canada, assignor to Leon Benoit, Chicago, Ill. Egg case filler. 1,808,531; June 2.
Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Can-end-cutting device. 1,789,729; Jan. 20.
Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Machine for coating can ends. 1,838,082; Dec. 29.
Coyle, John F., St. Louis, Mo. Container. 1,819,279; Aug. 18.
Coyle, Joseph A., Amsterdam, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Pile fabric loom. 1,825,110; Sept. 29.
Coyle, Nicholas L., Woodhaven, and F. Di Ianni, Brooklyn, N. Y., assignors to American Machine & Foundry Company. Reversible cigarette-rod sealer. 1,790,340; Jan. 27.
Coyne, John H., Buffalo, N. Y., assignor, by mesne assignments, to Bi-Sleeve Engine Company, Chicago, Ill. Semisleeve valve motor. Re18,097; June 16.
Cozart, Marvin L., Colorado Springs, Colo. Rudder and brake for airplanes. 1,802,238; Apr. 21.
Cozzens, Charles O., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,813,148; July 7.
Cozzens, Charles O., assignor to American Optical Company, Southbridge, Mass. Aligning and assembling tool. 1,838,134; Dec. 29.
Crabbe, George N. (See Lautrup, G. W., and Crabbe.)
Crabbe, George N. (See Lindquist, D. L., and Crabbe.)
Crabbe, Lindsay, T., assignor to Phoenix-Hermetic Company, Chicago, Ill. Jar closure. 1,823,786; Sept. 15.
Crabbe, Percy G. (See Wylie, H. N., and Crabbe.)
Crabbs, George D., Cincinnati, Ohio. Prepared roofing. 1,796,861; Mar. 17.
Crabbs, Herbert J., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Disconnecting switch. 1,817,065; Aug. 4.
Crabbs, Herbert J., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Support for switch mechanism. 1,828,281; Oct. 20.
Crabbs, Herbert J., Irwin, and A. Croft, Hunkers, Pa., assignors to Westinghouse Electric & Manufacturing Company. High-pressure contact switch. 1,792,282; Feb. 10.
Crabtree, R. W., & Sons, Limited. (See Smith, Edgar W., assignor.)
Crabtree, R. W. & Sons, Limited. (See Smith, E. W., and Phythian, assignors.)
Crabtree, R. W., & Sons, Limited. (See Webster, Clarence H., assignor.)
Crabtree, Thomas, Worcester, assignor to Independent Lock Company, Fitchburg, Mass. Packing nut for door-checks and the like. 1,813,443; July 7.
Craddock, Frederick L., New York, assignor to Mixing Equipment Company, Inc., Rochester, N. Y. Safety mixer. 1,817,353; Aug. 4.
Craft, Cecil C., assignor of one-half to A. L. Owen, Plymouth, N. C. Hedge trimmer. 1,837,655; Dec. 22.
Craft, Edward B., Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Phonograph. 1,799,809; Apr. 7.
Craft, Kenneth D., Whites, Wash. Shingle shake machine. 1,820,445; Aug. 25.
Crafton, Albert K. (See Casler, Newell H., assignor.)
Crafts, Curtis S., Oak Park, Ill., assignor to Goss Printing Press Company. Sheet cutting, collecting, and folding mechanism. 1,826,601; Oct. 6.
Crafts, Curtis S., Oak Park, Ill., assignor to Goss Printing Press Company. Sheet cutting, collecting, and folding mechanism. 1,826,652; Oct. 6.
Crafts, Leslie C. (See Goudey, E. G., Stevens, and Crafts.)
Cragg, John H. and K. B., Hopkins, Minn. Converter for electric current. 1,809,110; June 9.
Cragg, Kenneth B. (See Cragg, J. H. and K. B.)
Crago, Claude H., Strathfield, near Sidney, and A. E. Hamilton, Carlington, near Sidney, New South Wales, Australia. Centrifugal type dust separator. 1,803,462; May 5.
Crago, Harry R., Schenectady, N. Y., assignor to General Electric Company. Cutout for series incandescent street lighting circuits and the like. 1,807,389; May 26.
Crago, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,797,285; Mar. 24.
Crago, Paul H., Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,825,221; Sept. 29.
Crago, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Controlling apparatus for highway crossing signals. 1,828,926; Oct. 27.
Cragwall, Gordon O. (See Pasternack, R., and Cragwall.)
Craib, Frederick, Martinez, Calif. Wall bracket. Des. 83,313; Feb. 17.

Craib, James S., Montreal, Quebec, Canada, assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricator. 1,791,300; Feb. 3.
Craig, Allan D., assignor to Thomas Dalby Company, Watertown, Mass. Undergarment. 1,794,349; Feb. 24.
Craig, Alvin M., New Haven, Conn., assignor to Universal Gear Shift Corporation. Mechanism lock for motor cars. 1,800,678; Apr. 14.
Craig, Alvin M., New Haven, Conn., assignor to Universal Gear Shift Corporation. Interlock for gear shift slip rods. 1,802,909; Apr. 28.
Craig, Alvin M., New Haven, Conn., assignor to Universal Gear Shift Corporation. Pneumatic gear shift. 1,820,269; Aug. 25.
Craig, Bessie C. (See Craig, Edmond D., assignor.)
Craig, Charles F., et al. (See Moreton, Henry H., assignor.)
Craig, Colgate. (See Frey, C. N., Brown, and Craig.)
Craig, David, Gateside, Beith, Scotland. Self loading and unloading vehicle. 1,796,003; Mar. 10.
Craig, David, Peabody, Mass. Sewerage distributing pipe. 1,832,967; Nov. 24.
Craig, Edmond D., assignor to B. C. Craig, Savannah, Ga. Sanitary poultry and pet stock manure disposal base. 1,815,467; July 21.
Craig, Edward, St. Joseph, assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich. Stapling machine. 1,817,803; Aug. 4.
Craig, Edward, deceased, The Commercial National Bank, St. Joseph, executor, assignor to Saranac Machine Company, Benton Harbor, Mich. Machinery for making barrels. 1,831,653; Nov. 10.
Craig, Edward, deceased, St. Joseph; The Commercial National Bank, executor, assignor to Saranac Machine Company, Benton Harbor, Mich. Machine for making boxes. 1,836,226; Dec. 15.
Craig, Elias W., Wellsville, Kans. Hoe. 1,823,438; Sept. 15.
Craig, Ellsworth. (See Pfeifer, Ferdinand A., assignor.)
Craig, John F. N., Broxbourne, England. Rotary engine and the like. 1,800,929; Apr. 14.
Craig, Ollison. (See Andrews, L. V., and Craig.)
Craig, Ollison. (See Riley, R. S., and Craig.)
Craig, Palmer H., Cincinnati, Ohio. System for suppressing interfering currents. 1,792,001; Feb. 10.
Craig, Palmer H., Cincinnati, Ohio. Ultra-violet lamp and system. 1,798,658; Mar. 31.
Craig, Palmer H., Cincinnati, Ohio, assignor to Invex Corporation. Sound reproducing system. 1,817,612; Aug. 4.
Craig, Palmer H., Cincinnati, Ohio, assignor to Invex Corporation. System and apparatus employing the Hall effect. 1,822,129; Sept. 8.
Craig, Palmer H., Cincinnati, Ohio, assignor to Invex Corporation. Electrical converter. 1,822,130; Sept. 8.
Craig, Palmer H., Cincinnati, Ohio, assignor to Invex Corporation. System and apparatus employing the "hall effect." 1,825,855; Oct. 6.
Craig, Richard M., San Antonio, Tex. Radio color organ. 1,790,903; Feb. 3.
Craig, Richard M., San Antonio, Tex. Display apparatus. 1,792,731; Feb. 17.
Craig, Richard M., San Antonio, Tex. Display mechanism. 1,800,054; Apr. 7.
Craig, Richard M., San Antonio, Tex. Sign. 1,803,596; May 5.
Craig, Richard M., San Antonio, Tex. Revolving sign. 1,803,597; May 5.
Craig, Richard M., San Antonio, Tex. Changeable sign. 1,803,598; May 5.
Craig, Richard M., San Antonio, Tex. Display apparatus. 1,803,599; May 5.
Craig, Richard M., San Antonio, Tex. Radio recording means. 1,819,737; Aug. 18.
Craig, Richard M., San Antonio, Tex. Sign. 1,836,905; Dec. 15.
Craig, Richard M., assignor, by mesne assignments, to Thomas W. Menefee, San Antonio, Tex. Display apparatus. 1,802,755; Apr. 28.
Craig, Richard M., assignor, by mesne assignments, to Thomas W. Menefee, San Antonio, Tex. Display apparatus. 1,802,756; Apr. 28.
Craig, Richard M., assignor, by mesne assignments, to Thomas W. Menefee, San Antonio, Tex. Display apparatus. 1,802,757; Apr. 28.
Craig, Richard M., assignor, by mesne assignments, to T. W. Menefee, San Antonio, Tex. Display apparatus. 1,817,508; Aug. 4.
Craig, Robert, Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y. Machine for indicating weight and functions of weight. 1,813,029; July 7.
Craig, Robert F. (See Hornbuckle, W. P., and Craig.)
Craig, Thomas D., Los Angeles, Calif. Putter head. Des. 83,722; Mar. 24.
Craig, William G. (See Mowlds, Albert B., assignor.)
Craighead, John R., Denver, Colo. Belt. Des. 84,626; July 14.
Craighead, Thomas G., Seattle, Wash. Necktie. 1,820,376; Aug. 25.
Craighead, Walter B., St. Paul, Minn. Ball game. 1,806,613; May 26.
Craighill, Preston. (See Moore, L. F., and Craighill.)
Craigo, John M., Hartford, Conn. Dental machine. 1,793,210; Feb. 17.
Craigo, John M., Hartford, Conn. Dental apparatus. 1,793,840; Feb. 24.
Craigo, John M., Hartford, Conn. Method of and apparatus for mounting die teeth. 1,806,147; May 19.
Craigo, John M., Hartford, Conn. Dental machine. 1,823,090; Sept. 15.
Craigue, Norman A. (See Charch, W. H., and Craigue.)
Crain, John J., assignor to The Waterbury Tool Company, Waterbury, Conn. Driving mechanism for rotary drilling machines. 1,788,015; Jan. 6.
Crain, John J., assignor to The Waterbury Tool Company. Waterbury, Conn. Hydraulic pump, motor, and the like. 1,794,946; Mar. 3.
Craits, Irving M., Gildersleeve, Conn., assignor to The Pickering Governor Company, Portland, Conn. Governor. 1,829,507; Oct. 27.
Cram, Hervey G., and R. V. Weldon, assignors to Great Northern Paper Company, Millinocket, Me. Paper making. 1,789,515; Jan. 20.
Cram, Leroy V., Flint, assignor to General Motors Corporation, Detroit, Mich. Fan. 1,806,539; May 19.
Cram, Leroy V., Flint, assignor to General Motors Corporation, Detroit, Mich. Crank case ventilation. 1,826,390; Oct. 6.
Cram, Leroy V., assignor to General Motors Corporation, Detroit, Mich. Clutch friction facing. 1,833,414; Nov. 24.
Cramblet, Paul K., Elkhart, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Casing structure for electrical appliances. 1,805,277; May 12.
Cramblet, Paul K., Milwaukee, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mercury switch. 1,820,300; Aug. 25.
Cramblet, Paul K., Milwaukee, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mercury switch. 1,826,993; Oct. 13.
Cramblet, Paul K., Milwaukee, Wis., assignor by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mercury switch metal clip type. 1,827,071; Oct. 31.
Cramblet, Paul K., Milwaukee, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mercury switch. 1,827,072; Oct. 13.
Cramblet, Paul K., Milwaukee, Wis., assignor, by mesne assignments to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mercury switch. 1,831,845; Nov. 17.
Cramer, Albert M., Philadelphia, Pa. Coin mechanism for vending machines. 1,821,740; Sept. 1.
Cramer, Albert M., assignor to Horn and Hardart Baking Company, Philadelphia, Pa. Coin mechanism for coin controlled vending machines. 1,821,739; Sept. 1.
Cramer, Albert N., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Shear mechanism for glass feeders. 1,806,743; May 26.
Cramer, Albert N., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Leer feeder. 1,827,738; Oct. 20.
Cramer, Albert N., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,834,384; Dec. 1.
Cramer, Charles G., Port Arthur, Tex.; C. W. Meloney, New York, N. Y.; and M. Urban, Houston, Tex., assignors to The Texas Company, New York, N. Y. Jet flusher. 1,795,763; Mar. 10.
Cramer, Jesse F. (See Cramer, Roy A., and J. F.)
Cramer, Joseph D., and A. J. Rogers, Goshen, Ind., assignors to The Chase Bag Company, New York, N. Y. Paper bags and producing the same. 1,795,838; Mar. 10.
Cramer, Joseph D., and A. J. Rogers, Goshen, Ind., assignors to The Chase Bag Company, New York, N. Y. Spinning and treating paper. 1,823,258; Sept. 15.
Cramer, Olive B., Sterling, Colo. Baby carry cart. 1,792,002; Feb. 10.
Cramer, Otto P., San Francisco, Calif. Latch. 1,832,004; Nov. 17.
Cramer, Raymond H. (See Williams, J. F., and Cramer.)
Cramer, Raymond H., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Coiling machine. 1,803,960; May 5.
Cramer, Raymond H., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Cleaning apparatus. 1,839,172; Dec. 29.
Cramer, Roy A. and J. F., Kansas City, Mo. Safe. 1,802,375; Apr. 28.
Cramer, Stanley S., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Electrical condenser. 1,800,719; Apr. 14.
Cramer, Stanley S., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Electrical condenser and assembly thereof. 1,828,027; Oct. 20.
Cramer, William N., Chicago, Ill. Roofing. 1,803,998; May 5.
Crampton, Theodore H. M., Chicago, Ill., assignor by mesne assignments to The Philip Carey Manufacturing Company. Cable trunking. 1,823,819; Sept. 15.
Crampton, Thomas S., Pioneerville, Idaho. Scissors. 1,787,512; Jan. 6.
Crampton, Thomas S., Pioneerville, Idaho. Scissors. 1,802,705; Apr. 28.

Crandall, Dean D. (See Haggerty, J. F., and Crandall.)
Crandall, Delmer F., Seattle, Wash. Adjustable piston. 1,820,446; Aug. 25.
Crandall, Eugene L., Schenectady, N. Y., assignor to General Electric Company. Shielding means for high tension cable. 1,805,513; May 19.
Crandall, Irvin C. (See Emerson, A. C., and Crandall.)
Crandall, Weller R., assignor to Noveltoy Corporation, Chicago, Ill. Wheeled toy. Des. 84,073; May 5.
Crandall, William B. (See Krotzer, F. A., and Crandall.)
Crandell, Arthur O., Newton, Kans. Torpedo and fusee container. 1,818,197; Aug. 11.
Crane & Breed Casket Company, The. (See Davoran, Michael F., assignor.)
Crane, Charles R., 2d, assignor to Crane Co., Chicago, Ill. Enamelled iron plumbing fixture. 1,815,705; July 21.
Crane, Clifford M., St. Paul, Minn., assignor to Lucius Winchester, Chicago, Ill. Positive water circulator. 1,809,888; June 16.
Crane Co. (See Crane, Charles R., assignor.)
Crane Co. (See Flodin, Victor E., assignor.)
Crane Co. (See Houser, Arthur M., assignor.)
Crane Co. (See McRae, Malcolm W., assignor.)
Crane Co. (See Olson, Charles A., assignor.)
Crane Co. (See Osterhage, Otto C., assignor.)
Crane Co. (See Zinkil, Roy H., assignor.)
Crane Co. (See Zinkil, R. H., and Osterhage, assignors.)
Crane, Ernest E. (See Lerner, Earl A., assignor.)
Crane, Estelle W. Los Angeles, Calif. Broom-straw holder. Des. 83,314; Feb. 17.
Crane, Frank G., and J. M. Ward. Detroit, Mich. Apparatus and method of ornamenting paper. 1,804,495; May 12.
Crane, Frank G., and J. M. Ward, Detroit, Mich. Apparatus and method of marbling paper. 1,808,021; June 2.
Crane, Guy G., Owosso, Mich. Remote pressure control system for gas plants. 1,822,645; Sept. 8.
Crane, Leslie, assignor of one-half to F. R. Patsch Manufacturing Company, Rutland, Vt. Polishing machine. 1,789,218; Jan. 13.
Crane, Luella D., Portland, Oreg. Liquid dripping device. 1,824,394; Sept. 22.
Crane, Raymond E., Kittanning, Pa. Sanitary fixture. 1,808,294; June 2.
Crane, Thomas A. (See Lile, A. O., and Crane.)
Cranford, C. C., et al. (See Steere, E. H., and Steed, assignors.)
Cranford, N. M., et al. (See Steere, E. H., and Steed, assignors.)
Crangle, George C., Butte, Mont. Pulsator and the like. 1,789,516; Jan. 20.
Cranston, Albert E., Spokane, Wash. Method of and apparatus for making composite lumber. 1,799,958; Apr. 7.
Crary, Charles A., Wyoming, and T. F. Crary, Middleport, Ohio. Cake of soap. 1,828,361; Oct. 20.
Crary, Thomas F. (See Crary, Charles A. and T. F.)
Crater, Willard D. (See Cordie, C. H., and Crater.)
Craven, Francis S, Baltimore, Md. Game-scoring indicator. 1,801,225; Apr. 14.
Craven, James F. (See Wilson, E. C., and Craven.)
Cravitz, Philip, Los Angeles, Calif. Loose-leaf-hinge perforation. 1,797,900; Mar. 24.
Crawford, Alfred, assignor to Crawford Manufacturing Company, New Brunswick, N. J. Thread guide for stop motions. 1,816,765; July 28.
Crawford Automatic Shovel Co. (See Crawford, John H., assignor.)
Crawford, Bishop M., St. Louis, Mo. Gunlock. 1,792,732; Feb. 17.
Crawford, Carl H. (See Thompson, Willis D., assignor.)
Crawford, Charles J., Toledo, Ohio. Door holder. 1,828,242; Oct. 20.
Crawford, Charles S., assignor to General Motors Corporation, Detroit, Mich. Running board support. 1,830,735; Nov. 3.
Crawford, Edward M., Houston, Tex. Moving picture screen. 1,810,346; June 16.
Crawford, Emerick B., New Haven, and M. Turrell, Waterbury, assignors to The Crawford Oven Company, New Haven, Conn. Baking oven. 1,819,231; Aug. 18.
Crawford, Frederick C. (See Hufferd, G. H., Crawford, and Graham.)
Crawford, Frederick C., Detroit, Mich., assignor to Thompson Products Inc., Cleveland, Ohio. Dust cover for tie-rods or the like. 1,788,381; Jan. 13.
Crawford, Frederick C., Detroit, Mich., assignor to Thompson Products Inc., Cleveland, Ohio. Tie-rod end construction. 1,796,142; Mar. 10.
Crawford, Frederick C., and M. P. Graham, Detroit, Mich., assignors to Thompson Products Inc., Cleveland, Ohio. Tie-rod construction. 1,828,891; Oct. 27.
Crawford, George M., Ingomar, and J. M. London, Butler, Pa. Conveyer operating mechanism. 1,831,096; Nov. 10.
Crawford, Harry W. (See Ennis, C. E., and Crawford.)
Crawford, James M., assignor to General Motors Corporation, Detroit, Mich. Pedal stop and yoke. 1,788,861; Jan. 13.
Crawford, James M., assignor to General Motors Corporation, Detroit, Mich. Service-brake equalizer. 1,791,802; Feb. 10.
Crawford, James M., assignor to General Motors Corporation, Detroit, Mich. Supplementing the frictional resistance of relatively movable members. 1,833,415; Nov. 24.
Crawford, James M., assignor to General Motors Corporation, Detroit, Mich. Brake cross shaft bracket. 1,838,906; Dec. 29.
Crawford, John, Newburgh, N. Y. Coating screens for the projection of pictures thereon. 1,833,317; Nov. 24.
Crawford, John H., assignor to Crawford Automatic Shovel Co., Harrisburg, Ill. Automatic coal cutter and loader. 1,834,090; Dec. 1.
Crawford Manufacturing Company. (See Crawford, Alfred, assignor.)
Crawford, McGregor & Canby Co. (See Mattern, George W., assignor.)
Crawford Oven Company, The. (See Crawford, E. B., and Turrell, assignors.)
Crawford, Owen, Bay St. Louis, Miss. Rail splice. 1,798,591; Mar. 31.
Crawford, Richard A. (See Semon, W. L., and Crawford.)
Crawford, Richard A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Aqueous rubber dispersion and making same. 1,806,388; May 19.
Crawford, Roy F., Labette, Kans. Advertising sign. 1,796,862; Mar. 17.
Crawford, Samuel W., assignor to National Bearing Metals Corporation, St. Louis, Mo. Melting furnace. 1,836,791; Dec. 15.
Crawford, Walter N., et al. (See Parris, Ben T., assignor.)
Crawford, William E., Wauwatosa, and R. C. F. Kurtze, Milwaukee, assignors to A. O. Smith Corporation, Milwaukee, Wis. Welding without electrical leakage. 1,804,461; May 12.
Crawford, William R., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Sheet glass. Des. 84,923; Aug. 25.
Crawfordsville Seed Company. (See Brandus, Ernst, assignor.)
Crayssac, Léon, Sete, France. Press for obtaining photographic prints by means of electric light. 1,812,199; June 30.
Creager, Frederick L., Beloit, assignor to Fairbanks, Morse & Co., Chicago, Ill. Spark-plug cover. 1,794,673; Mar. 3.
Creager, Frederick L., Springfield, Mass., assignor to Fairbanks, Morse & Co., Chicago, Ill. Apparatus for heat treating. 1,838,532; Dec. 29.
Creagmile, John C., Berkeley, and F. H. Reiman, San Francisco, Calif. Device for gauging the camber and toe-in of automobile wheels. 1,791,803; Feb. 10.
Creamery Package Mfg. Company, The. (See Godfrey, Joseph H., assignor.)
Creamery Package Mfg. Company, The. (See Hippenmeyer, Irving R., assignor.)
Creamery Package Mfg. Company, The. (See Larsen, Olaf, assignor.)
Creamery Package Mfg. Company, The. (See North, Charles E., assignor.)
Creamery Package Mfg. Company, The. (See Scovel, John C., jr., assignor.)
Creamery Package Mfg. Company, The. (See Williams, George W., assignor.)
Creamette Company, The. (See Quiggle, A. W., and Lagaard, assignors.)
Creason, Roscoe T., assignor to H. D. Schrier, Kalamazoo, Mich. Knockdown box. 1,794,153; Feb. 24.
Creasy, Leurner E., Monroe, Wis. Syringe. 1,832,533; Nov. 17.
Creber, Roy A., Toronto, Ontario, Canada. Vehicle brake. 1,809,111; June 9.
Credle, Walter C., Fairfield, N. C. Tamperproof valve. 1,795,839; Mar. 10.
Creed and Company. (See Creed, Frederick G., assignor.)
Creed and Company. (See Jarvis, Frederick W., assignor.)
Creed and Company. (See Salmon, Reginald D., assignor.)
Creed and Company. (See Willson, E. A., Woodman, and Greig, assignors.)
Creed and Company Limited. (See Creed, F. G., and Orling, assignors.)
Creed & Company Limited. (See Creed, F. G., and Salmon, assignor.)
Creed, Frederick G., assignor to Creed and Company, Limited, Croydon, England. Telegraph receiving apparatus for producing punched tape. 1,792,283; Feb. 10.
Creed, Frederick G., assignor to Creed and Company, Limited, Croydon, England. Printing wheel. 1,826,741; Oct. 13.
Creed, Frederick. G., and A. Orling, assignors to Creed and Company Limited, Croydon, England. Electric contact making and breaking device. 1,797,718; Mar. 24.
Creed, Frederick G., and R. D. Salmon, Croydon, England, assignors, by mesne assignments, to Creed & Company Limited. Electric transmitter for use in automatic telegraphy. 1,800,283; Apr. 14.
Creed, Frederick G., and R. D. Salmon, assignors, by mesne assignments, to Creed & Company Limited, Croydon, England. Telegraphic transmitting and tape perforating apparatus. 1,804,496; May 12.
Creed, Frederick G., and R. D. Salmon, assignors to Creed and Company, Limited, Telegraph Works, Croydon, England. Regenerator. 1,827,460; Oct. 13.

Creed, George E., assignor to D. Gestetner Limited, London, England. Duplicating with the aid of stencils. 1,788,662; Jan. 13.
Creed, George E., assignor to D. Gestetner, Limited, London, England. Stencil duplicating machine. 1,790,407; Jan. 27.
Creed, George E., assignor to D. Gestetner Limited, London, England. Stencil-duplicating machine. 1,798,371; Mar. 31.
Creed, George E., assignor to D. Gestetner, Limited, London, England. Duplicating machine. 1,816,720; July 28.
Creed, George E., Blackheath Hill, assignor to D. Gestetner, Limited, Tottenham Hale, Middlesex, England. Sheet-feeding mechanism. 1,793,162; Feb. 17.
Creedon, Michael V., et al. (See Birkmeyer, P. J., Creedon, and Chadbourne.)
Creedon, Michael V., Westfield, N. J., and W. V. McGuinness, Flushing, assignor to The Western Union Telegraph Company, New York, N. Y. Strap conveyer aligning mechanism. 1,835,996; Dec. 8.
Creek Chub Bait Co., The. (See Davenport, Sam F., assignor.)
Creek Chub Bait Company. (See Dills, Henry S., assignor.)
Creek Manufacturing Co. (See Le Tarte, Alexander T., assignor.)
Cregier, A. M., et al. (See Richardson, Henry F., assignor.)
Crehore, Robbins B., assignor to Hacker Manufacturing Co., Chicago, Ill. Method of and apparatus for marking objects. 1,820,880; Aug. 25.
Creighton, George J., Portland, Oreg. Heater for automotive shields. 1,822,884; Sept. 15.
Creighton, Thomas A., Ventura, Calif. Blow-out preventer. 1,790,904; Feb. 3.
Creighton, Thomas A., Long Beach, Calif. Spring hoisting device. 1,796,981; Mar. 17.
Cremean, William F., Toledo, Ohio. Dustguard. 1,817,238; Aug. 4.
Cremean, William F., Toledo, Ohio. Dust guard. 1,838,661; Dec. 29.
Cremer, George F., Milwaukee, Wis. Creeper. 1,831,408; Nov. 10.
Cremer, Henry, South Gate, Calif. Violin body or similar article. Des. 83,848; Apr. 7.
Crémer, Michel, Paris France, assignor to General Electric Company. Rapid transmission of signals and messages. 1,828,556; Oct. 20.
Crémer, Michel, Paris France, assignor to General Electric Company. Electrical apparatus. 1,828,645; Oct. 20.
Cremer, Theodore H., Boyles, and J. D. Carlin, Birmingham, Ala. Gas burner. 1,802,137; Apr. 21.
Crenshaw, Benjamin A., Chicago, Ill. Signaling device. 1,836,705; Dec. 15.
Creo-Dipt Company Inc. (See Gosch, Harry E., assignor.)
Crepeau, Henri. (See Blanchard, Lester L., assignor.)
Crescent Garter Co. Inc. (See Itkowitz, I., and Savage, assignors.)
Creser, Alfred A. T., Richmond, England. Inflating apparatus. 1,831,379; Nov. 10.
Crespi, Emilio, Crespi-sur-l'Adda, Italy, and M. P. Otto, Paris, France. Apparatus for bleaching textile fibers with a gaseous current, such as ozonized air. 1,823,252; Sept. 15.
Crespi, Giovanni, Milan, Italy. Continuous production press for the alimentary-paste industry and similar industries. 1,790,368; Jan. 27.
Crespi, Giovanni, Milan, Italy. Dough kneading machine. 1,838,533; Dec. 29.
Cressaty, Geo. M. (See Greby, Ernest, assignor.)
Cressler, Edward P., Newton, Kans. Interchangeable teeth. 1,802,405; Apr. 28.
Cressler, Edward P., Newton, Kans., assignor to Cook Laboratories, Inc., Chicago, Ill. Hypodermic syringe. 1,798,142; Mar. 31.
Creveling, John L., Oracle, Ariz., assignor, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Power transmitting means. 1,825,053; Sept. 29.
Creviston, Barney, Lima, Ohio. Pulverizer. 1,833,870; Nov. 24.
Crewdson, Henry, Wilmington, Del., assignor to The Viscose Company, Marcus Hook, Pa. Skeining machine. 1,824,658; Sept. 22.
Crews, Clarence S. (See Maxam, Leonard L., assignor.)
Crews, Halbert O., administrator. (See Poulsen, Eiler.)
Crews, Robert L., Madeleine, W. Va. Car stop. 1,789,958; Jan. 27.
Cribb, Henry B., Fair Bluff, N. C. Combined sweep and shovel plow. 1,799,732; Apr. 7.
Cribben & Sexton Company. (See Wilkinson, George D., assignor.)
Cribben & Sexton Company. (See Wilkinson, G. D., and Pellegrin, assignors.)
Cricchio, Paul, Bronx, N. Y., assignor to Aljac Art Metal Products Corporation, Brooklyn, N. Y. Lamp. Des. 84,681; July 21.
Crichton, James F. (See Crookshanks, J., and Crichton.)
Crichton, James V., assignor of one-half to K. Salberg, Philadelphia, Pa. Airplane wing construction. 1,818,971; Aug. 18.
Crichton, Leslie N., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Alternating-current distribution system. 1,788,986; Jan. 13.
Crichton, Leslie N., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective system. 1,837,761; Dec. 22.
Crichton, Leslie N., and J. V. Breisky, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Direct-current relay. 1,798,659; Mar. 31.
Crichton, Leslie N., and J. V. Breisky, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Relay. 1,819,501; Aug. 18.
Crick, Walter, Northampton, assignor to Frevva Limited, London, England. Ventilated shoe sole. 1,800,930; Apr. 14.
Crickmer, Charles S., assignor to Tridex Corporation, Dallas, Tex. Two-way valve. 1,807,085; May 26.
Crickmer, Charles S., assignor to Tridex Corporation, Dallas, Tex. Atomizing fluids for cleaning purposes. 1,835,283; Dec. 8.
Crider, John N., Woodside, N. Y. Preserving fowl. 1,797,606; Mar. 24.
Criger, Claude A., Jefferson City, Mo. Counter top. 1,810,412; June 16.
Crile, Walter M., assignor to Washington Mould, Machine and Foundry Co., Washington, Pa. Glass forming machine. 1,836,646; Dec. 15.
Criley, Wallace K., assignor of one-half to B. C. Travis, Los Angeles, Calif. Rotary well drill centering and guiding device. 1,824,466; Sept. 22.
Criley, William W., Cleveland, assignor to The Ajax Manufacturing Company, Euclid, Ohio. Four-roll hammer. 1,798,309; Mar. 31.
Criley, William W., Cleveland, assignor to The Ajax Manufacturing Company, Euclid, Ohio. Board hammer. 1,798,310; Mar. 31.
Crimmins, De Forest Q., Tonawanda, N. Y. Automatic pencil. 1,828,521; Oct. 20.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Washing machine. 1,796,004; Mar. 10.
Criner, Harry J., assignor of one-half to A. G. Busch, Davenport, Iowa. Multiple bladed slicing machine. 1,806,672; May 26.
Criner, Harry J., Burlington, Iowa. Electric bread toaster. 1,809,112; June 9.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Clothes wringer. 1,815,189; July 21.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Driving mechanism for combined washers and driers. 1,815,190; July 21.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Valve grinding machine. 1,826,653; Oct. 6.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Luggage carrier. 1,828,128; Oct. 20.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Driving mechanism for washing machines. 1,829,555; Oct. 27.
Cripe, Earnest C., Goshen, Ind. Lightning rod coupler. 1,808,595; June 2.
Cripe, Samuel C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass-melting furnace. 1,795,933; Mar. 10.
Cripps, Albert A., Detroit, Mich., assignor, by mesne assignments, to Chrysler Corporation. Body construction. 1,826,125; Oct. 6.
Cripps, Alfred G., Indianapolis, Ind. Heating boiler. 1,797,756; Mar. 24.
Criqui, Charles A. (See Larki, Elwood T., assignor.)
Crisler, Vern J., Chicago, Ill. Cushion pad for gunstocks. 1,795,840; Mar. 10.
Crisson, George, East Orange, N. J., assignor to American Telephone and Telegraph Company. Transmission system. 1,815,241; July 21.
Crisson, George, East Orange, N. J., assignor to American Telephone and Telegraph Company. Measurement of negative resistance. 1,821,006; Sept. 1.
Crisson, George, East Orange, and S. B. Wright, South Orange, N. J., assignors to American Telephone and Telegraph Company. Voice operated control arrangement for telephone cable systems. 1,837,316; Dec. 22.
Crist, Ruth A., Fortville, Ind. Doll. 1,828,765; Oct. 27.
Critchett, James H. (See Becket, F. M., and Critchett.)
Critchfield, Chester H., and R. R. Lockard, Massillon, Ohio. Stand. Des. 85,814; Dec. 22.
Critchfield, Robert M., assignor to Delco-Remy Corporation, Anderson, Ind. Sound signal. 1,796,887; Mar. 17.
Critchfield, Robert M., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,801,589; Apr. 21.
Critchfield, Robert M., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Windshield wiper. 1,806,335; May 19.
Critchfield, Robert M., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Windshield cleaner. 1,806,336; May 19.
Critchfield, Walter O., Shelby, Ohio. Manifolding device. 1,822,764; Sept. 8.
Critchlow, Walter G., Wheaton, Ill. Vapor humidifier for internal combustion engines. Des. 85,514; Nov. 10.
Critchlow, Walter G., Wheaton, Ill. Humidifying device for internal combustion engines. 1,803,097; Apr. 28.
Crittall Casement Window Company. (See Jorss, Karl F., assignor.)

Critz, John E., Iowa City, Iowa. Dandelion cutter. 1,828,129; Oct. 20.
Croasdale, Stuart, Denver, Colo. Extraction of mercury from mercury-bearing ores or products. 1,827,971; Oct. 20.
Crocker, Anna L., Chicago, Ill. Stocking protector. 1,835,695; Dec. 8.
Crocker, Clarence T., Schenectady, N. Y., assignor to General Electric Company. Electric arc lamp. 1,837,897; Dec. 22.
Crocker, Ernest C., Belmont, Mass., assignor, by mesne assignments, to The Lane Company, Inc. Aroma testing of cedar chests. 1,808,838; June 9.
Crocker-McElwain Company. (See Tucker, E. C., and Roche, assignors.)
Crocker, Ralph C., Toledo, Ohio, assignor of one-half to S. C. Crocker, Boston, Mass. Golf hole cup. 1,813,696; July 7.
Crocker, S. Chilton. (See Crocker, Ralph C., assignor.)
Crocker, Sabin. (See Parker, J. W., Crocker, and Walker.)
Crocker, Thomas F. (See Tharp, V. S., and Crocker.)
Crocker, Thomas F. (See Voss, John H., and Crocker.)
Crocker, Thomas F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Private automatic exchange system. 1,790,091; Jan. 27.
Crocker, Thomas F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,804,594; May 12.
Crocker, Thomas F., assignor to Reserve Holding Company, Chicago, Ill. Telephone system. 1,807,768; June 2.
Crocker-Wheeler Electric Manufacturing Company. (See Edmunds, Howard M., assignor.)
Crocker-Wheeler Electric Manufacturing Company. (See Mug, Edward T., assignor.)
Crocker-Wheeler Electric Manufacturing Company. (See Spencer, Millard C., assignor.)
Crocker-Wheeler Electric Manufacturing Company. (See Waring, Edward H., assignor.)
Crockett, Guy E. (See Speakman, W. F., and Crockett.)
Crockett, James B., assignor to Cambridge Rubber Company, Cambridge, Mass. Manufacture of rubber footwear. 1,795,075; Mar. 3.
Crockett, James B., assignor to Cambridge Rubber Company, Cambridge, Mass. Floor covering and making same. 1,823,131; Sept. 15.
Crockett, Thomas E., Tulsa County, assignor of one-half to W. H. Blakley and J. R. Cole, Tulsa, Okla. Unloading valve. 1,817,127; Aug. 4.
Crockett, William P., Chicago, Ill. Call switch for signal systems. 1,793,999; Feb. 24.
Crockett, William P., Chicago, Ill. Call switch for signal systems. 1,794,000; Feb. 24.
Croe, Layton E., Kalamazoo, Mich. Spectacle frame. Des. 84,399; June 16.
Croessant, George F., Wyomissing, Pa. Conveyer mechanism. 1,808,918; June 9.
Crofoot, John B. (See Hallen, Carl E., assignor.)
Croft, Alvin. (See Crabbs, H. J., and Croft.)
Croft, Alvin, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch. 1,835,696; Dec. 8.
Croft, Herbert L. (See Mason, E. J., and Croft.)
Croft, Hiram D. (See Perkins, J. L., and Croft.)
Croft, Lorenzo E., assignor to Gardner-Denver Company, Denver, Colo. Drill sharpener. 1,832,186; Nov. 17.
Croft, Lorenzo E., assignor to Gardner-Denver Company, Denver, Colo. Drill sharpener. 1,832,187; Nov. 17.
Croft, Samuel, Bryn Athyn, Pa. Candy conveying and finishing apparatus. 1,831,846; Nov. 17.
Crofut & Knapp Company, The. (See Cavanagh, John, assignor.)
Crofut and Knapp Co., The. (See O'Brien, Joseph L., assignor.)
Crolard, Jacques F. M., Westminster, assignor to British-American Tobacco Company, Limited, London, England. Manufacture and production of cigarette paper. 1,790,574; Jan. 27.
Crolley, Sumter L., and D. L. Jones, Camden, S. C. Splitting attachment for looms. 1,805,568; May 19.
Cromar Company, The. (See Dittmar, Irvin F., assignor.)
Cromartie, George G., Maplewood, assignor to Best Manufacturing Company, Irvington, N. J. Loud-speaker. Des. 83,849; Apr. 7.
Cromer, Archie E., et al. (See Costigan, Charles C., assignor.)
Crompton, George. (See Goddard, Robert H., assignor.)
Crompton, George, jr., Worcester, Mass. Aeroplane. 1,799,733; Apr. 7.
Crompton & Knowles Loom Works. (See Ahlin, John G., assignor.)
Crompton & Knowles Loom Works. (See Balser, L. W., and Clark, assignors.)
Crompton & Knowles Loom Works. (See Bargolinski, Anthony D., assignor.)
Crompton & Knowles Loom Works. (See Bergstrom, Carl P., assignor.)
Crompton & Knowles Loom Works. (See Bergstrom, C. P., and Lindegren, assignors.)
Crompton & Knowles Loom Works. (See Blanchard, Harold L., assignor.)
Crompton & Knowles Loom Works. (See Brickman, Allen E., assignor.)
Crompton & Knowles Loom Works. (See Brown, Clyde E., assignor.)
Crompton & Knowles Loom Works. (See Buffington, George A., assignor.)
Crompton & Knowles Loom Works. (See Buote, Clarence E., assignor.)
Crompton & Knowles Loom Works. (See Cederlund, Albert, assignor.)
Crompton & Knowles Loom Works. (See Chevrette, Augustin J., assignor.)
Crompton & Knowles Loom Works. (See Dacey, Edward J., assignor.)
Crompton & Knowles Loom Works. (See Feehan, Michael H., assignor.)
Crompton & Knowles Loom Works. (See Flynn, Maurice J., assignor.)
Crompton & Knowles Loom Works. (See Foisy, V. A., and Lindegren, assignors.)
Crompton & Knowles Loom Works. (See Gargolinski, Anthony D., assignor.)
Crompton & Knowles Loom Works. (See Gerber, Herman, assignor.)
Crompton & Knowles Loom Works. (See Gordon, Albert A., assignor.)
Crompton & Knowles Loom Works. (See Hartman, James F., assignor.)
Crompton & Knowles Loom Works. (See Hering, Paul C., assignor.)
Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)
Crompton & Knowles Loom Works. (See Howarth, Harry, assignor.)
Crompton & Knowles Loom Works. (See Hutchins, Allan S., assignor.)
Crompton & Knowles Loom Works. (See Kronoff, Clarence R., assignor.)
Crompton & Knowles Loom Works. (See Latham, Harry M., assignor.)
Crompton & Knowles Loom Works. (See Lindegren, Carl J., assignor.)
Crompton & Knowles Loom Works. (See Lundgren, William E., assignor.)
Crompton & Knowles Loom Works. (See Lundgren, W. E., and Soderberg, assignors.)
Crompton & Knowles Loom Works. (See MacArthur, Elvin D., assignor.)
Crompton & Knowles Loom Works. (See McCleary, William E., assignor.)
Crompton & Knowles Loom Works. (See Miffitt, Anthony F., assignor.)
Crompton & Knowles Loom Works. (See Nelson, Samuel A., assignor.)
Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)
Crompton & Knowles Loom Works. (See Regan, John, assignor.)
Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)
Crompton & Knowles Loom Works. (See Wattie, William M., assignor.)
Cromwell, John C. (See Groeniger, William C., assignor.)
Cromwell, John C., assignor to The Steel Sanitary Company, Alliance, Ohio. Metal-trimming method. 1,787,513; Jan. 6.
Cromwell, John C., assignor to The Steel Sanitary Company, Alliance, Ohio. Apparatus for enameling articles. 1,792,284; Feb. 10.
Cromwell, John C., assignor to The Steel Sanitary Company, Alliance, Ohio. Shower bathtub. 1,824,035; Sept. 22.
Cromwell, John C., Alliance, assignor to The Testite Company, Columbus, Ohio. Roof drain. 1,838,092; Dec. 29.
Crone, Seth A., East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Safety support for brake rods. 1,816,639; July 28.
Cronenweth, Earl E., and C. G. Hamer, San Fernando, Calif. Spring oiler. 1,803,748; May 5.
Croney, Charles H., Brunswick, Ga. Marsh anchor. 1,838,745; Dec. 29.
Croning, Johannes, Hamburg, Germany, assignor, by mesne assignments, to Crown Lock Company. Cylinder lock with annular grooves. 1,797,075; Mar. 17.
Cronk, Philip E., Omaha, Nebr. Burner igniting device. 1,833,774; Nov. 24.
Cronkhite, Charles M., Glendale, Calif., assignor to Pilot Ray Corporation, Wilmington, Del. Operating mechanism for dirigible headlights and the like. 1,791,122; Feb. 3.
Cronmiller, Howard A., and E. F. Chaffee, assignors to The O. M. Edwards Company Inc., Syracuse, N. Y. Weather-strip construction for window sashes. 1,800,008; Apr. 7.
Cronwall, Carl G., assignor to General Motors Corporation, Detroit, Mich. Kick ventilator for vehicles. 1,823,191; Sept. 15.
Crooke, Charles W., jr., Jacksonville, Fla. Aircraft. 1,833,416; Nov. 24.
Crooke, Cyril E., Tarnpirr St. Fillan, Australia. Portable shelter or tent for attachment to automobiles. 1,803,237; Apr. 28.
Crooke, Roy R. (See McKenny, V. S., and Crooke.)
Crooks, Kenneth E., Williamsport, Pa. Material guiding means for woodworking machines. 1,833,934; Dec. 1.

Crooks, Robert A., Chicago, Ill. Power drive selective mechanism. 1,826,742; Oct. 13.
Crooks, William E., and C. D. Walton, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of solids with normally liquid substances. 1,835,997; Dec. 8.
Crookshanks, John, Langside, Glasgow, Scotland. Heel for footwear. 1,819,874; Aug. 18.
Crookshanks, John. Glasgow, and J. F. Crichton, Coatbridge, Scotland. Circuit closer. 1,795,164; Mar. 3.
Croon, Herman V. (See Hamilton, R., and Croon.)
Cropanese, Joseph, West Paterson, N. J. Combination curtain and shade fixture. 1,796,684; Mar. 17.
Cropper, Thomas, Erdington, England. Instrument for determining the quality of balls for games and components therefor. 1,819,232; Aug. 18.
Cropper, William N., Lexington, Ky. Window sash fastener. 1,828,557; Oct. 20.
Crosby, Arthur, Tacoma, Wash. Multiflash spoon. 1,837,656; Dec. 22.
Crosby, Fred B., assignor to Morgan Construction Company, Worcester, Mass. Apparatus for controlling the shearing of moving materials. 1,814,586; July 14.
Crosby, Fred B., assignor to Morgan Construction Company, Worcester, Mass. Gas producer. 1,822,885; Sept. 15.
Crosby, George L., East Orange, N. J. Loose leaf binder. 1,807,390; May 26.
Crosby, Harry E., Huntington Park, Calif. Liquid-dispensing-machine casing. Des. 83,896. Apr. 14.
Crosby, Harry E., Huntington Park, assignor to Mission Dry Corporation, Ltd., Los Angeles, Calif. Gang faucet. 1,828,175; Oct. 20.
Crosby, Harry E., Walnut Park, assignor to Mission Dry Corporation, Ltd., Los Angeles, Calif. Dispenser. Des. 84,517; June 30.
Crosby, J. D., Company. (See Locke, Francis, assignor.)
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Signaling system. 1,835,761; Dec. 8.
Crosby, Reuben S., and F. E. Newton, Hartford, Conn.; said Crosby assignor to said Newton. Mechanism for feeding metal blanks. 1,802,631; Apr. 28.
Crosby-Ross Window Equipment Company. (See Williamson, Floyd M., assignor.)
Crosby, Roy T., Greenville, S. C. Propelling means for boats and the like. 1,826,507; Oct. 6.
Crosby Steam Gage & Valve Co. (See Davidson, Kenneth S. M., assignor.)
Croset, Louis P., Strood, England. Device for starting internal combustion engines. 1,827,461; Oct. 13.
Crosfield, Joseph, & Sons Limited. (See Newall, Sidney, assignor.)
Crosland, Edward M., Helsby, England. Dough sheeting and cutting machine. 1,830,426; Nov. 3.
Crosland, Edward M., Newton-Le-Willows, England. Plant for manufacture of biscuits. 1,836,361; Dec. 15.
Crosland, Edward M., Newton-le-Willows, assignor to T. and T. Vicars Limited, Earlestown, Newton-le-Willows, England. Machine for applying confectory material to biscuits. 1,830,425; Nov. 3.
Croslen, Roy C., Whittier, assignor of one-half to C. J. Perkins, Los Angeles, Calif. Valve or cock for high pressures. 1,835,379; Dec. 8.
Crosley Radio Corporation, The. (See Edelman, Philip E., assignor.)
Crosley Radio Corporation, The. (See Langley, R. H., and Drexelius, assignors.)
Crosley Radio Corporation, The. (See Smith, Russell T., assignor.)
Crosley Radio Corporation, The. (See Worthington, Everett, assignor.)
Crosman, Loring P., Maplewood, assignor to Monroe Calculating Machine Company, Inc., Orange, N. J. Spring testing and assorting machine. Re17,992; Mar. 10.
Crosman, Loring P., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Spring testing machine. 1,828,176; Oct. 20.
Cross, Anne H., executrix. (See Cross, Walter M.)
Cross Development Corporation. (See Cross, Roy, assignor.)
Cross, Edmund R., Arlington, assignor to Chadwick & Carr Company, Boston, Mass. Weighing scale. 1,825,336; Sept. 29.
Cross, Ellwood V., Washington, D. C. Bell ring. 1,823,820; Sept. 15.
Cross, Frank H., Cleveland, and G. J. Ruf, Cleveland Heights, Ohio. Coupling device. 1,806,788; May 26.
Cross, Garrett P. S., Grand Rapids, Mich., assignor to United Shoe Machinery Corporation, Paterson, N. J. Controlling system. 1,815,289; July 21.
Cross, Grosvenor M. and R. M., Minneapolis, Minn. Spring-reaction neutralizer. 1,797,719; Mar. 24.
Cross, Harry W. (See Dustan F., and Cross.)
Cross, Henry H., and G. F. Fox, Chicago, Ill. Lubricant demonstrating can. 1,804,210; May 5.
Cross, James L., Milwaukee, Wis. Insectifuge holder. 1,831,654; Nov. 10.
Cross, John W., New York, N. Y. Column construction. 1,804,320; May 5.
Cross, Louise, assignor to Frankart, Inc., New York, N. Y. Lamp or similar article. Des. 84,978; Sept. 1.
Cross, Louise, assignor to Frankart, Inc., New York, N. Y. Combination cigarette holder and ash tray or similar article. Des. 85,165; Sept. 22.
Cross, Louise, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 85,166; Sept. 22.
Cross, Louise, assignor to Frankart, Inc., New York, N. Y. Statuette for book end, ash tray or similar article. Des. 85,861; Dec. 29.
Cross, Michael B., et al. (See Moise, Harmon D., assignor.)
Cross Paper Feeder Company. (See Hallstream, Henning, assignor.)
Cross Parking Systems, Inc. (See Buettell, Samuel E., assignor.)
Cross Parking Systems, Inc. (See Dinkelberg, Frederick P., assignor.)
Cross, Paul A., Takoma Park, Md. Brush. 1,807,281; May 26.
Cross, Raleigh B., Oregon City, Oreg. Stovepipe anchor and lock. 1,803,894; May 5.
Cross, Roderic M. (See Cross, Grosvenor M. and R. M.)
Cross, Roy, Kansas City, Mo. Obtaining phenols from coal tar distillates. 1,820,908; Sept. 1.
Cross, Roy, Kansas City, Mo., assignor to Silica Products Co., Los Angeles, Calif. Emulsion composition. 1,788,706; Jan. 13.
Cross, Roy, Kansas City, assignor to Silica Products Company, Kansas City, Mo. Molding sand and process of using. 1,795,011; Mar. 3.
Cross, Roy, Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Process and apparatus for converting petroleum oil. 1,796,507; Mar. 17.
Cross, Roy, Kansas City, Mo., assignor to Cross Development Corporation, Wilmington, Del. Treating petroleum hydrocarbons in the vapor phase. 1,805,686; May 19.
Cross, Roy, Kansas City, Mo., assignor to Cross Development Corporation, Wilmington, Del. Apparatus for treating hydrocarbons. 1,816,827; Aug. 4.
Cross, Roy, Kansas City, Mo., assignor to Cross Development Corporation. Preparation of adsorbents. 1,817,968; Aug. 11.
Cross, Roy, Kansas City, Mo., assignor to Cross Development Corporation. Treating petroleum hydrocarbons. 1,817,969; Aug. 11.
Cross, Roy, Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Converting petroleum hydrocarbons. 1,819,542; Aug. 18.
Cross, Roy, Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Wilmington, Del. Conversion of petroleum oil. 1,825,337; Sept. 29.
Cross, Roy, Kansas City, Mo., assignor to Cross Development Corporation. Refining material. 1,836,577; Dec. 15.
Cross, Samuel C., West Springfield, assignor to Moore Crop Forging Company, Springfield, Mass. Die for swaging machines. 1,806,789; May 26.
Cross, Walter M., Kansas City, Mo. Hopper feed for coal stokers. 1,791,752; Feb. 10.
Cross, Walter M., Kansas City, Mo. Aeroplane wing. 1,804,824; May 12.
Cross, Walter M., deceased, Kansas City, Mo.; A. H. Cross, executrix. Making producer gas. 1,833,964; Dec. 1.
Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Apparatus for dephlegmating vapors. 1,789,670; Jan. 20.
Cross, Walter M., Kansas City, Mo., assignor to Gasoline Products Company, Inc., Jersey City, N. J. Cleaning plug. 1,797,823; Mar. 24.
Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Heat exchanger. 1,799,734; Apr. 7.
Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Process and apparatus for treating petroleum hydrocarbons. 1,800,436; Apr. 14.
Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Lord Southborough, London, England. Heat treatment of steel. 1,810,696; June 16.
Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Process and apparatus for converting hydrocarbons. 1,818,674; Aug. 11.
Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Heat exchanger. 1,820,349; Aug. 25.
Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Process and apparatus for converting hydrocarbons. 1,825,338; Sept. 29.
Cross, Wesley M., Detroit, Mich. Carburetor. 1,792,076; Feb. 10.
Crossan, Jesse R., Wadsworth, Ohio, assignor to Seiberling Rubber Company. Self sealing tire tube. 1,810,038; June 16.
Crossan, Jesse R., Wadsworth, and J. E. Mackel, Johnsons Corners, Ohio, assignors to Seiberling Rubber Company. Valved inflatable rubber formers. 1,818,536; Aug. 11.
Crossley, Alfred. (See Ryan, D. L., and Crossley.)
Crossley, Alfred, Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Thermostatic control system. 1,791,804; Feb. 10.

Crossley, Alfred, South Haven, Mich., assignor, by mesne assignments, to Federal Telegraph Company. Piezo electric crystal controlled oscillating system. 1,830,642; Nov. 3.

Crossley, Alfred, and L. H. Hansen, assignor to Howard Radio Company, South Haven, Mich. Radio tuning mechanism. 1,809,509; June 9.

Crossley, David, Trenton, N. J. Power press. 1,790,041; Jan. 27.

Crossley, Frank, assignor to Milnesia Laboratories Incorporated, Cleveland, Ohio. Preparing magnesium oxide in tablet form. 1,831,409; Nov. 10.

Crossley, Moses L., Plainfield, N. J., assignor, by mesne assignments, to The Calco Chemical Company, Inc. Synergized hypnotic and sedative. 1,830,313; Nov. 3.

Crossley, Percy B., Chiswick, London, assignor to Mycalex (Parent) Company, Limited, London, England. Manufacture of vitreous material. 1,795,200; Mar. 3.

Crossley, Royal E. (See Buchanan, F., and Crossley.)

Crossley, William O., Toledo, Ohio. Mitering gauge. 1,804,248; May 5.

Crossman, Christopher, Detroit, Mich. Device for changing springs on locomotives. 1,833,738; Nov. 24.

Crossman, Harry, Brookline, A. Greenbaum, Beachmont, and M. J. Bernstein, Brookline, assignors to Panther Rubber Manufacturing Company, Stoughton, Mass. Shoe heel. Des. 83,150; Jan. 27.

Crossman, Harry, Brookline, A. Greenbaum, Beachmont, and M. J. Bernstein, Brookline, assignors to Panther Rubber Manufacturing Company, Stoughton, Mass. Shoe sole. Des. 83,189; Feb. 3.

Crossman. Harry, Brookline, A. Greenbaum, Beachmont, and M. J. Bernstein, Brookline, Mass., assignors to Panther Rubber Manufacturing Company, Stoughton, Mass. Shoe sole. Des. 85,862; Dec. 29.

Crossman, Robert J., San Francisco, Calif. Combination cutter and guard. 1,814,668; July 14.

Crosta, William A., Stamford, Conn. Hose clamp. 1,838,364; Dec. 29.

Crosthwait, Asa B., Horconcitos, Vera Cruz, assignor of two-fifths to W. O. Dennis, Narajos, Mexico. Mat for billiard or pool tables. 1,801,142; Apr. 14.

Crosthwait, David N., jr., Marshalltown, Iowa, and C. A. Dunham, Glencoe, Ill., assignors to C. A. Dunham Company, Marshalltown, Iowa. Steam trap. 1,797,258; Mar. 24.

Crothers, Russell P., Cincinnati, Ohio. Reclaiming asphalt from residuum. 1,788,792; Jan. 13.

Crotto, Frank E., deceased, by I. V. Crotto, administratrix, assignor to Western Supply Company, Tulsa, Okla. Auxiliary liner. 1,798,311; Mar. 31.

Crotto, Inez V., administratrix. (See Crotto, Frank E.)

Crouch, Claude C., assignor of one-fourth to F. E. Sprague, Hillsdale, and one-fourth to A. K. McDonald, Barron, Wis. Sanitary brush. 1,800,437; Apr. 14.

Crouch, Edgar M., et al. (See Ferguson, William T., assignor.)

Crouch, William. (See Law, Thomas E., assignor.)

Crouse, George B., Stamford, Conn., assignor, by mesne assignments, to Conner Crouse Corporation, New York, N. Y. Filtering electric currents. 1,804,859; May 12.

Crouse, George B., Woodcliff, N. J., assignor to Conner Crouse Corporation, New York, N. Y. Voltage regulator. 1,815,141; July 21.

Crouse, George B., Woodcliff, N. J., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Electric converter. 1,815,498; July 21.

Crouse, George B., Woodcliff, N. J., assignor to Conner Crouse Corporation, New York, N. Y. Apparatus for energizing an audion circuit. 1,826,743; Oct. 13.

Crouse, George B., Woodcliff, N. J., assignor to Conner Crouse Corporation, New York, N. Y. Plate circuit excitation. 1,835,015; Dec. 8.

Crouse, George B., assignor to Hardwick Hindle, Inc., Brooklyn, assignors to Conner Crouse Corporation, New York, N. Y. Electromechanical translating device. 1,830,070; Nov. 24.

Crouse, George B., New York, and V. L. Osgood, Newark, N. J. Resistor. 1,830,092; Nov. 3.

Crouse, Henry M., Chicago, Ill. Card index reference holder. 1,835,206; Dec. 8.

Crouse-Hinds Company. (See Bissell, Carl H., assignor.)

Crouse-Hinds Company. (See Blood, Robert A., assignor.)

Crouse-Hinds, Company. (See Borden, Stephen W., assignor.)

Crouse-Hinds Company. (See Buchanan, F., and Crossley.)

Crouse-Hinds Company. (See Hastings, Harold P., assigner.)

Crouse-Hinds Company. (See McCoy, Jay W., assignor.)

Crouse-Hinds Company. (See Olley, E. A., and Winter, assignors.)

Crouse-Hinds Company. (See Olley, Edwin A., assignor.)

Crouse-Hinds Company. (See Olley, Raymond H., assignor.)

Crouse-Hinds Company. (See Pearson, John T., assignor.)

Crouse, Ira W. (See Wood, W. H., and Crouse.)

Crow, Benjamin F., Dallas, Tex. Gas burner. 1,817,066; Aug. 4.

Crow, Leonard R., Terre Haute, Ind. Supporting device for electrical apparatus. 1,817,239; Aug. 4.

Crowder, Clarence C., Big Lake, Tex. Door hook. 1,788,707; Jan. 13.

Crowder, Havy Q. R., Chicago, Ill. Transfer sheet and making same. 1,820,867; Aug. 25.

Crowdes, George J., Dorchester, assignor to Simplex Wire and Cable Company, Boston, Mass. Electric cable. 1,791,402; Feb. 3.

Crowdes, George J., Dorchester, assignor to Simplex Wire and Cable Company, Boston, Mass. Process and apparatus for marking rubber cords and cables. 1,812,686; June 30.

Crowe, John J., Westfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Flame regulating cock. 1,830,594; Nov. 3.

Crowe, John M., Covington, Ky., assignor to The Stanley Works, New Britain, Conn. Hand tool. 1,811,577; June 23.

Crowe, John M., Covington, Ky., assignor to The Stanley Works, New Britain, Conn. Motor driven hand tool. 1,813,231; July 7.

Crowe, John M., Covington, Ky., assignor, by mesne assignments, to The Stanley Works, New Britain, Conn. Miter cutting motor driven hand tool. 1,830,350; Nov. 3.

Crowe, Lloyd L. E., Milwaukee, Wis. Pulsation control. 1,804,321; May 5.

Crowe, Morton B. (See Getzen, J. E., Denicke, and Crowe.)

Crowe Name Plate & Manufacturing Co. (See Goodwin, Winslow, assignor.)

Crowe Name Plate & Manufacturing Co. (See Salyards, William E., jr., assignor.)

Crowe, Patrick H. (See Poux, N. J., Hall, and Crowe.)

Crowe, Samuel L., assignor to Seymour Manufacturing Company, Incorporated, Seymour, Ind. Scythe snath fastener. 1,824,123; Sept. 22.

Crowe Stove Works. (See Rogers, Walter F., assignor.)

Crowe, Thomas B. (See Mills, L. D., and Crowe.)

Crowell, Benjamin E., Media, Pa. Furred wall and ceiling structure. 1,831,162; Nov. 10.

Crowell, Benjamin E., Media, Pa. Partition wall and structural members therefor. 1,831,163; Nov. 10.

Crowell, Benjamin E., Media, Pa. Structural corner member. 1,836,792; Dec. 15.

Crowell, Charles H., Fairville, Pa. Gummed cloth. 1,820,050; Aug. 25.

Crowell, Charles H., Bellefonte, Del. Making fiber filled woven fabric. 1,820,122; Aug. 25.

Crowell, Erd V., Los Angeles, Calif. Drive mechanism for rotary drill pipe. 1,798,523; Mar. 31.

Crowell, Erd V., Los Angeles, Calif. Packer. 1,803,841; May 5.

Crowell, Erd V., Los Angeles, Calif. Drill stem. 1,817,067; Aug. 4.

Crowell, Erd V., Los Angeles, Calif. Well cementing. 1,828,098; Oct. 20.

Crowell, Erd V., Los Angeles, Calif. Apparatus for cementing wells. 1,828,099; Oct. 20.

Crowell, Erd V., Los Angeles, Calif. Cementing wells. 1,828,100; Oct. 20.

Crowell, Harold F., Saugus, Mass. Boxing toy. 1,799,735; Apr. 7.

Crowell, J. Addison, assignor to James B. Crowell & Son, Wallkill, N. Y. Brick mold. 1,793,306 Feb. 17.

Crowell, J. Addison, assignor to J. B. Crowell & Son, Wallkill, N. Y. Brick mold. 1,822,646; Sept. 8.

Crowell, James B., & Son. (See Crowell, J. Addison, assignor.)

Crowell, William B., New York, N. Y., and C. W. Bassett, Montclair, N. J., assignors to Elevator Supplies Company, Inc., Hoboken, N. J. Door-operating mechanism. 1,787,935; Jan. 6.

Crowell, William D., St. Louis, Mo. Ventilating apparatus for vehicle bodies. 1,796,442; Mar. 17.

Crowell, Willis E., Los Angeles, Calif. Eccentric toilet connection. 1,793,681; Feb. 24.

Crowfoot, Arthur. (See Ayer, F., and Crowfoot.)

Crowhurst, Albert E., Humber Bay, Ontario, Canada. Circulating device for hot water heating systems. 1,835,284; Dec. 8.

Crowley, Arthur J., Sulphur, Nev., and H. L. Hazen, Berkeley, Calif., assignors, by mesne assignments, to Sierra Sulphur Corporation Ltd. Sulphur extractor. 1,800,605; Apr. 14.

Crowley, John C., Cleveland Heights, Ohio. Interchangeable valve stem. 1,819,151; Aug. 18.

Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Air gauge. 1,795,076; Mar. 3.

Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve insides. 1,795,077; Mar. 3.

Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve stem. 1,819,150; Aug. 18.

Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve inside. 1,829,556; Oct. 27.

Crowley, John F., Lynn, assignor to United Shank & Findings Company, Boston, Mass. Manufacturing turn shoes. 1,829,787; Nov. 3.

Crowley, Joseph P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,805,206; May 12.

Crowley, Joseph P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass drawing apparatus. 1,816,040; July 28.

Crowley, Joseph P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for the manufacture of sheet glass. 1,821,618; Sept. 1.
Crowley, Joseph P., assignor to The Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass melting furnace. 1,828,830; Oct. 27.
Crowley, Joseph P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass buck. 1,836,362; Dec. 15.
Crowley, Sylvester W. (See Hunter, F. L., jr., and Crowley.)
Crowley, Sylvester W. (See Schnek, C. R., and Crowley.)
Crowley, William J. (See Shinn, E. W., Crowley, and Scott.)
Crown Cork & Seal Company. (See Darling, Frank L., assignor.)
Crown Cork & Seal Company. (See Huntley, George J., assignor.)
Crown Cork & Seal Company. (See McManus, Charles E., assignor.)
Crown Cork & Seal Company. (See Warth, Albin H., assignor.)
Crown Cork & Seal Company. (See Weisenburg, Andrew, assignor.)
Crown Lock Company. (See Croning, Johannes, assignor.)
Crown Paper Company. (See Bishop, George D., assignor.)
Crown Stove Works. (See Rogers, C. and C., assignors.)
Crown Stove Works. (See Rogers, John C., assignor.)
Crown Stove Works. (See Rogers, Walter F., assignor.)
Crown Willamette Paper Company. (See Hanny, John E., assignor.)
Crowson, Edward J. (See Leary, John E., assignor.)
Crowson, Herbert W., New York, N. Y., assignor to Pullclean Manufacturing Corporation, Bridgeport, Conn. Towel cabinet. 1,817,479; Aug. 4.
Croxford, Arthur. (See Hover, Monte E., assignor.)
Croy, George P., Tallahassee, Fla. Automatic coin selector. 1,830,529; Nov. 3.
Crozier, Elmer L., Birmingham, Ala. Aeroplane. Re18,143; Aug. 4.
Crozier, Elmer L. Birmingham, Ala. Airplane. Des. 85,167; Sept. 22.
Crubenholz-Imprägnierung, G. m. b. H. (See Wolman, K. H., and Pfug, assignors.)
Crucible Steel Company of America. (See McIntosh, Frederick F., assignor.)
Cruickshank, William. (See Francis, F. W., and Cruickshank.)
Crull, Rento W. H. H., Doetinchem, Netherlands, assignor, by mesne assignments, to N. V. Internationale Spinpot Exploitatie Maatschappij. Electric motor. 1,798,312; Mar. 31.
Crum, Bayard M. (See Powers, C., and Crum.)
Crum, Roland, Whittier, assignor, by mesne assignments, to J. Grant, Los Angeles, Calif. Expansible underreamer trip. 1,834,335; Dec. 1.
Crum, Roland, Whittier, assignor, by mesne assignments, to J. Grant, Los Angeles, Calif. Expansible underreamer trip. 1,834,336; Dec. 1.
Crum, Roland, Whittier, assignor, by mesne assignments, to J. Grant, Los Angeles, Calif. Expansible underreamer. 1,834,337; Dec. 1.
Crum, Roland R. (See Oliver, Guy C., assignor.)
Crum, Roland R., Whittier, Calif. Booster brake device. 1,805,808; May 19.
Crum, Roland R., Whittier, assignor, by mesne assignments, to J. Grant, Los Angeles, Calif. Underreamer. 1,819,357; Aug. 18.
Crum, Roland R., Whittier, assignor, by mesne assignments, to J. Grant, Los Angeles, Calif. Underreamer. 1,819,358; Aug. 18.
Crumb, Charles F., et al. (See Baker, D. B., Crumb, and Watchek.)
Crump, Frank H., Los Angeles, Calif. Loose-leaf binder. 1,799,040; Mar. 31.
Crump, Frank H., Los Angeles, Calif. Ledger and index therefor. 1,824,659; Sept. 22.
Crump, Frank H., Los Angeles, Calif. Loose leaf binder. 1,827,462; Oct. 13.
Crump, Lindell L. (See Matthews, C. L., Boll, and Crump.)
Crumpton, Kenneth R., assignor to Kaufmann Department Stores, Inc., Pittsburgh, Pa. Vertical corner illuminating means. 1,821,693; Sept. 1.
Crumpton, Kenneth R., assignor to Kaufmann Department Stores Inc., Pittsburgh, Pa. Horizontal illuminating means. 1,823,728; Sept. 15.
Crumpton, Kenneth R., assignor to Kauffmann Department Stores, Inc., Pittsburgh, Pa. Lamp mounting. 1,836,647; Dec. 15.
Crumrine, Chester W., assignor to Electromatic Typewriters, Rochester, N. Y. Power mechanism for sheet punching machines. 1,804,090; May 5.
Crumrine, Chester W., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Fractional line spacer for typewriters. 1,807,969; June 2.
Crumrine, Chester W., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Paper roller mechanism. 1,809,024; June 9.
Crumrine, Chester W., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriter. 1,837,898; Dec. 22.
Cruse, Raymond A., Benld, Ill. Permutation lock. 1,834,091; Dec. 1.
Cruser, Victor I., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical device. 1,809,025; June 9.
Crutcher, Ernest R., E. Waltman, and W. G. Woolf, Kellogg, Idaho. Metallurgical filter and article therefor. 1,801,662; Apr. 21.
Crutchlow, William, jr. (See Crutchlow, William, assignor.)
Crutchlow, William, assignor of one-half to W. Crutchlow, jr., Fullerton, Pa. Weft stop motion mechanism. 1,819,320; Aug. 18.
Crute, Joseph T., assignor of one-half to M. A. Goode, Virgilina, Va. Pneumatic tire structure. 1,802,877; Apr. 28.
Cruz, Antonio. (See Reig, J., and Cruz.)
Crym, Matt, Wattis, Utah. Rail fastener. 1,812,140; June 30.
Cryns, Josef. (See Hoppe, F. A., and Cryns.)
Cryns, Josef, assignor to The Petersen Oven Company, Chicago, Ill. Oven loader. 1,824,124; Sept. 22.
Crysler, George P., Chicago, Ill. Furnace wall lining or facing. 1,830,384; Nov. 3.
Crystal Carbonic Laboratory. (See Comer, William T., assignor.)
Crystal Oil Burner Corporation. (See Brown, John M., assignor.)
Csandy, Dejoe, Brooklyn, assignor to International Combustion Engineering Corporation, New York, N. Y. Furnace wall. 1,802,138; Apr. 21.
Csontos, Mike, and J. Féhr, New York, N. Y. Animal trap. 1,790,575; Jan. 27.
Cubberley, Amariah H., Belleville, assignor to Hoffman Beverage Company, Newark, N. J. Shipping case. 1,826,744; Oct. 13.
Cubitt, Archibald S., London, England. Projection of pictures, particularly cinematograph pictures with quasi or psychic stereoscopic impression. 1,794,103; Feb. 24.
Cudney, Harry J., Buffalo, assignor to Flexlume Corporation, Tonawanda, N. Y. Insulator post. 1,797,899; Mar. 24.
Cuff, Fred A., assignor to Hudson Manufacturing Co., Minneapolis, Minn. Sprayer. 1,788,188; Jan. 6.
Cuff, James S., New London, Conn. Carburetor. 1,804,322; May 5.
Cuffe, Frederick W., Waynesboro, Va., assignor, by mesne assignments, to Edison General Electric Appliance Company, Inc., Chicago, Ill. Stove. Des. 85,088; Sept. 15.
Cuffe, Frederick W., Waynesboro, Va., assignor, by mesne assignments, to Edison General Electric Appliance Company Inc., Chicago, Ill. Door construction. 1,801,190; Apr. 14.
Cuffe, Frederick W., Waynesboro, Va., assignor, by mesne assignments, to Edison General Electric Appliance Company, Inc., Chicago, Ill. One-piece oven unit frame and unit. 1,801,191; Apr. 14.
Cugley, George, et al., receivers. (See Andres, Paul G.)
Culbertson, Albert L., Mount Lebanon, Pa. Heating furnace. 1,789,966; Jan. 27.
Culbertson, Albert L., assignor, by mesne assignments, to The Chapman-Stein Company, Mount Vernon, Ohio. Water-cooled agitator. 1,806,614; May 26.
Culbertson, Albert L., assignor, by mesne assignments, to The Chapman-Stein Company, Mount Vernon, Ohio. Recuperative soaking pit. 1,824,876; Sept. 29.
Culbertson, E. Estay, Detroit, Mich., assignor to Spicer Manufacturing Corporation. Connection for universal joints or couplings. 1,809,404; June 9.
Culbertson, Henry E., McCook, Nebr. Gauge cock. 1,799,736; Apr. 7.
Culbertson, Roy B., La Salle, Colo. Illuminated train-order hoop. 1,790,000; Jan. 27.
Cullander, Adolph, et al. (See Cullander, Adolph, assignor.)
Cullander, Adolph, Belzoni, Miss., assignor to E. Hagor and A. Cullander. Cotton needle and stripper. 1,818,537; Aug. 11.
Cullen, Edward V., and A. G. A. Schmidt, assignors to Cullen-Friestedt Company, Chicago, Ill. Truck for rotatably mounted structures. 1,824,196; Sept. 22.
Cullen-Friestedt Company. (See Cullen, E. V., and Schmidt, assignors.)
Cullen, John R., Fivedock, near Sydney, New South Wales, assignor of one-half to M. Gearin & Sons Limited, Mascot, near Sydney, Australia. Process for the rendering and/or digesting of subjects containing fats and in the separating of the products for useful purposes. 1,833,826; Nov. 24.
Cullen, Stephen J., Bronx, N. Y. Automobile parking anchor. 1,839,142; Dec. 29.
Cullerton, James A. (See Boothman, D. M., and Cullerton.)
Cullin, Jasper F., assignor to W. J. Hartwig, Detroit, Mich. Carburetor attachment. 1,825,262; Sept. 29.
Cullinan, Thomas F., Johnson City, Tenn. Motor lock. 1,832,362; Nov. 17.
Cullis, George D. (See Otten, L. F., and Cullis.)
Culmore, March. (See Campbell, Philip S., assignor.)
Culp, Arthur J., Clatnon, Ala. Exhaust trap construction. 1,807,512; May 26.
Culp, Frank G., Eagle Rock, assignor of one-half to E. A. Root, Los Angeles, Calif. Sanitary paper container or receptacle. 1,833,207; Nov. 24.

Culp, Paul B. (See Jones, Thomas H., assignor.)
Culpepper, Roland L. (See Richardson, E. E., and Culpepper.)
Culver, Charles A., Northfield, Minn., assignor, by mesne assignments, to Federal Telegraph Company. Modulating system. 1,790,576; Jan. 27.
Culver, Charles A., Northfield, Minn., assignor to Wired Radio, Inc., New York, N. Y. Electrical generating system. 1,809,676; June 9.
Culver, Charles A., Northfield, Minn., assignor to Wired Radio, Inc., New York, N. Y. Amplifying system. 1,822,922; Sept. 15.
Culver, Edward. (See Watson, F. J. G. B., Culver, and Emerson.)
Culver, Edwin S., Oakland, assignor, by mesne assignments, to Oliver United Filters Incorporated, San Francisco, Calif. Flexible hose. 1,828,101; Oct. 20.
Culver, George G., San Diego, Calif. Revolving port motor. 1,794,061; Feb. 24.
Culver, Lagar R., Los Angeles, assignor of one-half to J. W. Prillaman and Ella F. Prillaman, Vista, Calif. Powder dipper door latch trip. 1,807,028; May 26.
Culver, Lagar R., Los Angeles, assignor of one-half to J. W. and E. F. Prillaman, Vista, Calif. Dipper door latch release. 1,821,499; Sept. 1.
Culver, Lagar R., assignor to F. Falkner, Los Angeles, Calif. Dipper door latch release. 1,827,420; Oct. 13.
Culver, Lewis O., Forty Fort, Pa. Jar closure. 1,837,410; Dec. 22.
Culver, William E., Winchester, Ind. Mitten. 1,831,481; Nov. 10.
Cumfer, Donald A., Nutley, N. J., assignor, by mesne assignments, to Anaconda Sales Company, New York, N. Y. Method and apparatus for making roofing materials. 1,794,674; Mar. 3.
Cumfer, Harry A., Chicago, Ill., assignor of one-half to W. J. Mason, Greenwich, Conn. Machine for making multiply building board. 1,802,878; Apr. 28.
Cumfer, Harry A., Chicago, Ill., assignor of one-half to W. J. Mason, Greenwich, Conn. Making multiply building board. 1,802,879; Apr. 28.
Cumfer, Harry A., Chicago, Ill., assignor of one-half to W. J. Mason, Greenwich, Conn. Manufacture of laminated fibrous structures. 1,802,880; Apr. 28.
Cumfer, Harry A., Chicago, Ill., assignor of one-half to W. J. Mason, Greenwich, Conn. Building board and making same. 1,831,058; Nov. 10.
Cuming, George W., New York, N. Y., assignor to M. A. Cuming & Co. Inc. Machine for treating hat bodies. 1,823,880; Sept. 22.
Cuming, M. A., & Co. Inc. (See Cuming, George W., assignor.)
Cummings, Arthur D., Portland, Me., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Gas-cell construction. 1,797,189; Mar. 17.
Cummings, Benjamin L., and A. W. Harris, Toledo, Ohio, assignors to General Motors Corporation, Detroit, Mich. Coupling device. 1,806,540; May 19.
Cummings, Bryan Y., jr., Springfield, Mo. Radio receiving apparatus. 1,824,331; Sept. 22.
Cummings, Byron R., Schenectady, N. Y., assignor to General Electric Company. Scanning disk. 1,810,598; June 16.
Cummings, George C., Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph system. 1,809,026; June 9.
Cummings, George C., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone and telegraph signalling system. 1,812,624; June 30.
Cummings, Lloyd A., Glendale, Calif. Grass-cutting tool. 1,791,957; Feb. 10.
Cummings, Nephi W., San Bernardino, Calif. Apparatus for heating orchards. 1,833,277; Nov. 24.
Cummings, Schiller B., assignor, by mesne assignments, to Richard P. Johnson, Long Beach, Calif. Sanitary toilet seat dispenser. 1,811,537; June 23.
Cummings, William G. (See Vaughan, H. H., and Cumming.)
Cummings, William L. (See Chereton, A. B., and Cummings.)
Cummins, Arthur B., Lompoc, Calif., assignor to Celite Corporation, New York, N. Y. Production of finely divided material. 1,813,916; July 14.
Cummins, Forrest L., Lake View, Ohio. Hood latch. 1,793,778; Feb. 24.
Cummins, Norman W., Louisville, Ky. Hood fastener. 1,829,788; Nov. 3.
Cummins Perforator Company. (See Swanson, Hjalmar, assignor.)
Cummins, Thomas K., assignor to Northern Malleable Iron Company, St. Paul, Minn. Journal-box wedge. 1,799,130; Mar. 31.
Cummins, Thomas K., assignor to Northern Malleable Iron Company, St. Paul, Minn. Hand brake wheel. 1,833,278; Nov. 24.
Cummins, Walter E., assignor of one-half to R. F. Holser, Santa Maria, Calif. Deflection recorder 1,797,943; Mar. 24.
Cunard, Russell S., Everett, Pa. Direction signal for motor vehicles. 1,805,717; May 19.
Cundall, Robert N., Glasdell, assignor to The Hoepner Automatic Machinery Corporation, Buffalo, N. Y. Machine for filling containers. 1,826,926; Oct. 13.
Cundey, Clarence E., assignor to J. H. Billington Company, Philadelphia, Pa. Combined inner metal shield and outer metal grip for bobbins and making same. 1,807,198; May 26.
Cunliffe, William. (See Wilson T. S., and Cunliffe.)
Cunneen, Peter, New Rochelle, N. Y. Hack saw. 1,835,638; Dec. 8.
Cunniff, Bernard, New York, and N. Lee, Forest Hills, assignors to Colloidal Equipment Corporation, New York, N. Y. Rotor for disintegrating machines. 1,801,849; Apr. 21.
Cunningham, Alfred E., Trenton, Tenn. Well strainer attachment. 1,810,757; June 16.
Cunningham, C. A., Co. (See Hutchings, Albert J., assignor.)
Cunningham, Christopher, Jamaica, N. Y. Carrier for transporting and dispensing liquids. 1,788,987; Jan. 13.
Cunningham, Frederick W. (See Hardy, A. C., and Cunningham.)
Cunningham, Gordon R. (See Champagne, J. D., and Cunningham.)
Cunningham-Hall Aircraft Corporation. (See Hall, Randolph F., assignor.)
Cunningham, Harry G., Los Angeles, Calif. Inside micrometer caliper. 1,806,893; May 26.
Cunningham, James M., assignor to The Tabulating Machine Company, Endicott, N. Y. Interpreting machine. 1,791,753; Feb. 10.
Cunningham, James M., assignor to The Tabulating Machine Company, Endicott, N. Y. Stop mechanism for sorters. 1,835,382; Dec. 8.
Cunningham, John A., Bethlehem, assignor of one-half to M. Cunningham, Philadelphia, Pa. Nozzle. 1,803,425; May 5.
Cunningham, John J., assignor of fifty-one per cent to M. G. Kopf, Dayton, Ohio. Apparatus for cleaning polishing wheels. 1,823,645; Sept. 15.
Cunningham, Marion S., Dallas, Tex. Safety casing head for oil wells. 1,819,875; Aug. 18.
Cunningham, Mary. (See Cunningham, John A., assignor.)
Cunningham, Michael J., Roxbury, Mass. Rotary internal combustion engine. 1,823,132; Sept. 15.
Cunningham, Orin D. (See Derby, I. H., and Cunningham.)
Cunningham, Orin D., assignor to P. C. Reilly, Indianapolis, Ind. Treatment of pitches and tars. 1,813,341; July 7.
Cunningham, Orin D., assignor to P. C. Reilly, Indianapolis, Ind. Froth flotation process. 1,813,342; July 7.
Cunningham, Orin D., assignor to P. C. Reilly, Indianapolis, Ind. Froth flotation. 1,813,343; July 7.
Cunningham, Orin D., Provo, Utah, assignor to P. C. Reilly, Indianapolis, Ind. Froth flotation process. 1,814,434; July 14.
Cunningham, Patrick P., Provo, Utah. Shock absorber. 1,791,661; Feb. 10.
Cunningham, Roy H., assignor to Reynolds Spring Company, Jackson, Mich. Assembling electrical devices and cover plates with multiple-junction boxes. 1,795,363; Mar. 10.
Cunningham, Thomas F., and A. H. Gifford, Boonton, N. J. Pipe wrench. 1,805,078; May 12.
Cunningham, William, Mount Kisco, N. Y. Closure for openings in buildings. 1,826,203; Oct. 6.
Cuno, Charles H., and S. L. Wolfson, assignors to The Cuno Engineering Corporation, Meriden, Conn. Liquid level gauge. 1,827,192; Oct. 13.
Cuno Engineering Corporation, The. (See Cuno, C. H., and Wolfson, assignors.)
Cuno Engineering Corporation, The. (See Wolfson, Sidney L., assignor.)
Cupedo, Jan G., Rotterdam, Netherlands. Apparatus for cleaning bottles and the like. 1,827,140; Oct. 13.
Cup-Lok Packing Company. (See Brown, Franklin H., assignor.)
Cupples Company. (See Fleischli, J. A., and Kountzman, assignors.)
Curd, Isaac T., St. Joseph, Mo. Erosion control. 1,833,154; Nov. 24.
Curdes, Louis E., Napoleon, Ohio. Safety razor. 1,819,876; Aug. 18.
Curfman, Ralph O., et al. (See Smith, R. E., Arnold, and Curfman.)
Curioni, Aldo, Larchmont, N. Y. Combined aeroplane helicopter. 1,793,909; Feb. 24.
Curle, Charles W., San Francisco, Calif. Feed mechanism. 1,833,891; Dec. 1.
Curle, George L., Minneapolis, Minn. Knife wiper for type casting machines. 1,808,977; June 9.
Curley, Robert S., Lowell, assignor to Saco-Lowell Shops, Boston, Mass. Cotton opening and picking system. 1,814,129; July 14.
Curley, Thomas V., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,831,380; Nov. 10.
Curme, George O., jr., White Plains, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Thermal decomposition of hydrocarbons. Re18,148; Aug. 11.
Curme, George O. jr., White Plains, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Noninflammable liquid. 1,817,893; Aug. 4.
Curme, George O., jr., Charleston, W. Va., and F. W. Lommen, New York, N. Y., assignors to Carbide and Carbon Chemicals Corporation. Making ethylene diamine. 1,832,534; Nov. 17.

Curnen, Bernard V. (See Gray, John W., assignor.)
Curnutt, Elmer, Garnett, Kans. Hydraulic oil well lift. 1,815,399; July 21.
Curotto, Julio R., Habana, Cuba. Printing machine. 1,816,721; July 28.
Curr, Robert, Portsmouth, Va. Ship construction. 1,821,882; Sept. 1.
Curran, Francis J., Chicago, Ill. Insecticide and deodorizing tablet. 1,803,238; Apr. 28.
Curran, Thomas A., New York, assignor to H. J. Sheeran, New Rochelle, N. Y. Boiler. 1,790,463; Jan. 27.
Curran, Thomas F., Dorchester, Mass., assignor to Shur-On Optical Company, Inc., Geneva, N. Y. Ophthalmic mounting. 1,789,937; Jan. 20.
Curren, Arthur J., trustee. (See Nelson, George W.)
Currie, Clare H., Webster City, assignor, by mesne assignments, to L. E. Armstrong Realty & Investment Co., Fort Dodge, Iowa. Sewer pipe. 1,834,603; Dec. 1.
Currie, Gilbert, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator guide. 1,834,385; Dec. 1.
Currie, Kent D., Baltimore, Md., assignor to Pittsburgh Plate Glass Company. Brush-display apparatus. Des. 83,391; Feb. 17.
Currie, Robert A., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Lantern. 1,795,542; Mar. 10.
Currie, Robert A., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Lamp. 1,809,831; June 16.
Currie, Robert A., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Combustion cone or protector for torches. 1,826,241; Oct. 6.
Currier, Andrew E., Leominster, Mass., assignor, by mesne assignments, to Cornell Bag Corporation. Reenforced valve bag. 1,826,994; Oct. 13.
Currier, Arthur L., Ashburnham, Mass., assignor, by mesne assignments, to Cornell Bag Corporation. Multi-walled bag. 1,789,807; Jan. 20.
Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Receiving circuit. 1,813,232; July 7.
Currier, Osceola L. (See Kern, J. S., and Currier.)
Curry, B. V., trustee (See Barker, Joseph R., assignor.)
Curry, B. V., trustee. (See Curry, B. V., and Barker, assignors.)
Curry, B. V., trustee. (See Towner, Heber F., assignor.)
Curry, Benjamin W., Visalia, Calif. Height measuring device. 1,820,447; Aug. 25.
Curry, Byron V., Santa Ana, and J. R. Barker, Fallbrook, Calif., assignors to B. V. Curry, trustee. Single tandem disk harrow. 1,836,227; Dec. 15.
Curry, Dora R. (See Curry, Taylor R., assignor.)
Curry, Gordon C., assignor to The Hoover Company, North Canton, Ohio. Adjustable auxiliary nozzle for suction cleaners. 1,811,350; June 23.
Curry, John P. (See Foulder, Henry B., assignor.)
Curry, Taylor R., assignor of one-half to D. R. Curry, Prophetstown, Ill. Mechanical spader. 1,825,222; Sept. 29.
Curry, Walter H., and H. F. Dietz, Salt Lake City, Utah, assignors to Hewitt-Gutta Percha Rubber Corporation, Buffalo, N. Y. Aerator. 1,792,285; Feb. 10.
Curry, Walter H., and H. F. Dietz, Salt Lake City, Utah, assignors to Hewitt-Gutta Percha Rubber Corporation, Buffalo, N. Y. Aerator. 1,792,286; Feb. 10.
Curtain, Andrew F., Medford, Mass. Outlet valve operating mechanism for flushing tanks. 1,811,878; June 30.
Curtin, Richard J. (See Gilbertson, H. A., Curtin, and Jacobs.)
Curtin, William H., Brooklyn, N. Y. Baggage carrier. 1,788,150; Jan. 6.
Curtis, Arthur H., Bedford, England. Electrical plug connecter 1,818,926; Aug. 11.
Curtis, Arthur R., Cleveland, Ohio. Method and apparatus for forming sheet-metal. 1,811,259; June 23.
Curtis, Austen M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine signaling system. 1,788,508; Jan. 13.
Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency-setting fork. 1,792,630; Feb. 17.
Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High speed relay. 1,804,746; May 12.
Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronous driving system. 1,809,832; June 16.
Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal monitoring device. 1,812,625; June 30.
Curtis, Austen M., East Orange, and E. T. Burton, Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Zero correcting circuit. 1,818,463; Aug. 11.
Curtis Companies. (See Madsen, Sern, assignor.)
Curtis Companies, Inc. (See Madsen, Sern, assignor.)
Curtis, Earl L. (See Davis, S. H., Curtis, and Schleicher.)
Curtis, Edward E., Lakewood, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Rotary brush. 1,817,176; Aug. 4.
Curtis, Edward W., Jamestown, N. Y. Sanding machine. 1,820,377; Aug. 25.
Curtis, George L. (See Goodenow, Roy S., assignor.)
Curtis, George V., West Springfield, Mass. Universal joint. 1,812,934; July 7.
Curtis, Harry A., and R. L. Copson, New Haven, Conn. Treating alkaline liquors. 1,802,806; Apr. 28.
Curtis, Henry E., San Jose, Calif. Engine. 1,793,841; Feb. 24.
Curtis, Henry E., San Jose, assignor of one-half to J. H. Betts, Long Beach, Calif. Internal-combustion engine. 1,788,563; Jan. 13.
Curtis, Henry E., San Jose, assignor of one-half to John H. Betts, Long Beach, Calif. Motor vehicle. 1,832,188; Nov. 17.
Curtis, John C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,789,698; Jan. 20.
Curtis, John C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,828,491; Oct. 20.
Curtis, Leslie F., and M. E. Bond, assignors to American Bosch Magneto Corporation, Springfield, Mass. Loudspeaker. 1,792,822; Feb. 17.
Curtis Lighting, Inc. (See Hotchkin, Paul M., assignor.)
Curtis Manufacturing Company. (See Ackerman, Frank, assignor.)
Curtis Manufacturing Company. (See Steedman, Edwin H., assignor.)
Curtis & Marble Machine Company. (See Marble, Edwin H., assignor.)
Curtis, Melville G., Cynwyd, Pa. Pile fabric and making the same. 1,788,084; Jan. 6.
Curtis, Richard C. (See Boddie, C. A., and Curtis.)
Curtis, Thomas S., Huntington Park, assignor to The Vitrefrax Company, Los Angeles, Calif. Clay product, ceramic composition and associated process. 1,803,999; May 5.
Curtis, Thomas S., assignor to Vitrefrax Corporation, Huntington Park, Calif. High strength ceramic composition. 1,827,838; Oct. 20.
Curtis, Thomas S., Huntington Park, Los Angeles, assignor, by mesne assignments, to Pacific-Southwest Trust & Savings Bank, trustee, Los Angeles, Calif. Composition for ceramic uses, and making the same. 1,830,934; Nov. 10.
Curtis, Thomas S., assignor to Vitrefrax Corporation, Huntington Park, Calif. Making ceramic compositions. 1,834,515; Dec. 1.
Curtis, Thomas S., Huntington Park, assignor, by mesne assignments, to Kelco Company, San Diego, Calif. Plasticizing process for ceramic compositions of feeble plasticity and product resulting therefrom. 1,838,810; Dec. 29.
Curtis, Thomas S., Huntington Park, and M. J. Walsh, Coronado, assignors to Kelco Company, San Diego, Calif. Ceramic composition. 1,838,809; Dec. 29.
Curtiss Aeroplane & Motor Company. (See Beisel, Rex B., assignor.)
Curtiss Aeroplane & Motor Company. (See Carlton, R. D., and Franklin, assignors.)
Curtiss Aeroplane and Motor Co. (See Gilmore, William L., assignor.)
Curtiss Aeroplane & Motor Company. (See Hathorn, Charles E., assignor.)
Curtiss Aeroplane & Motor Company. (See Irwin, William J., assignor.)
Curtiss Aeroplane & Motor Company. (See Moles, Howard R., assignor.)
Curtiss Aeroplane & Motor Company. (See Nutt, Arthur, assignor.)
Curtiss Aeroplane & Motor Co. (See Walt, William, jr., assignor.)
Curtiss, Charles B., Bay City, Mich. Torque equalizing mechanism. 1,803,895; May 5.
Curtiss, Glenn H., deceased, Country Club Estates, by L. P. Curtiss, Miami Springs, Fla., executrix. Tow car and trailer combination. Des. 85,815; Dec. 22.
Curtiss, Glenn H., deceased, Country Club Estates, by L. P. Curtiss, Miami Springs, Fla., executrix. Trailer vehicle. Des. 85,816; Dec. 22.
Curtiss, Lena P., executrix. (See Curtiss, Glenn H.)
Curtiss, Merritt E., Pittsburgh, Pa. Electric display device. 1,804,595; May 12.
Curtiss, Merritt E., Pittsburgh, Pa. Electric display device. 1,828,177; Oct. 20.
Curtiss, Nathan A., Ridgewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Forming apparatus. 1,823,680; Sept. 15.
Curtiss-Reid Aircraft Company Limited. (See Reid, Wilfrid T., assignor.)
Curzon, John S., Salt Lake City, assignor to Joseph Kastlic, Helper, Utah. Dump car. 1,816,279; July 28.
Cusack, George C., West New York, N. J., assignor, by mesne assignments, to Dryice Equipment Corporation. Refrigerative apparatus. 1,825,054; Sept. 29.
Cushing, Augustus E. (See Ordway, E. J., and Cushing.)
Cushing, Benjamin, Norwood, Mass. End cap for tubular packages. 1,809,267; June 9.
Cushing, Charles F. (See Adair, S. T., and Cushing.)
Cushing, Daniel, Cambridge, Mass. Furnace bottom. 1,800,438; Apr. 14.
Cushing, Daniel, Cambridge, Mass. Tuyère block for metallurgical furnaces. 1,821,175; Sept. 1.
Cushing, George H., Washington, D. C. Parking lamp. 1,814,669; July 14.
Cushing, George H., Washington, D. C. Theater illumination device. 1,820,599; Aug. 25.

Cushing, George H., Washington, D. C. Illuminating apparatus. 1,827,141; Oct. 13.
Cushing, George H., Washington, D. C. Projecting lamp bulb. 1,829,475. Oct. 27.
Cushing, George H., assignor to Cushing Lamp Incorporated, Washington, D. C. Headlight. 1,796,322; Mar. 17.
Cushing, George H., assignor to Cushing Lamp Incorporated, Washington, D. C. Focusing mechanism. 1,811,715; June 23.
Cushing Lamp Incorporated. (See Cushing, George H., assignor.)
Cushman, Charles S., Barre, Vt. Stone polisher support. 1,818,675; Aug. 11.
Cushman Chuck Company, The. (See Sloan, H. E., and Highberg, assignors.)
Cushman, David R., Albany, Calif. Electric brake. 1,811,260; June 23.
Cushman, Everett B., Hollywood, assignor of one-half to Food Machinery Corporation, San Jose, Calif. Curing alfalfa hay and other vegetative products. 1,816,998; Aug. 4.
Cushman, Everett B., assignor, by mesne assignments, to Food Machinery Corporation, Lansing Mich. Carbureting apparatus. 1,838,365; Dec. 29.
Cushman, H. T., Mfg. Co. (See Cushman, William C. H., assignor.)
Cushman, Harley H., Lodi, Wis. Electrical liquid heater. 1,834,269; Dec. 1.
Cushman, Orville E., and T. W. Doell, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Cutting oil. 1,806,933; May 26.
Cushman, Orville E., and B. B. Farrington, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Waterproofing composition and preparing same. 1,821,932; Sept. 8.
Cushman, William C. H., assignor to H. T. Cushman Mfg. Co., North Bennington, Vt. Table or similar article. Des. 85,325; Oct. 13.
Cushwa, Charles B., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Apparatus for making dished heads. 1,788,382; Jan. 13.
Cusick, Hyland L., Pittsburgh, Pa. Key-holder. 1,821,377; Sept. 1.
Custer, Fred. (See Mutschel, O. J., and Custer.)
Custer, Fred, assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 1,834,683; Dec. 1.
Custer, Levitt L., Dayton, Ohio. Amusement apparatus. 1,799,409; Apr. 7.
Cuthbert, John, assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Electric socket. 1,811,615; June 23.
Cuthbert, Joseph W., Los Angeles, Calif., assignor, by mesne assignments, to W. M. Tippett, Chicago, Ill. Liquid control. 1,793,064; Feb. 17.
Cuthbert, Lowell H. (See Bender, W. A., Douglas, and Cuthbert.)
Cuthbert, William R., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain-pen holder. Des. 83,392; Feb. 17.
Cuthbert, William R., assignor to W. A. Sheaffer Pen Co., Fort Madison, Iowa. Clip for writing instruments. 1,794,154; Feb. 24.
Cuthbert, William R., and W. H. Lindemon, Fort Madison, Iowa, assignors, by mesne assignments, to Pen Desk Set Company. Holding means for desk sets. 1,793,910; Feb. 24.
Cuthbertson, Alexander R., New York, N. Y. Concrete blower. 1,817,240; Aug. 4.
Cuthbertson, Alexander R., New York, N. Y., assignor to Blaw-Knox Company, Pittsburgh, Pa. Adjustable concrete form. 1,790,135; Jan. 27.
Cutler, Charles L., jr., Marlboro, Mass. Hot air heater. 1,828,319; Oct. 20.
Cutler-Hammer. (See Millermaster, R. A., and Petersen, assignors.)
Cutler-Hammer. (See Mortensen, N. L., and Seeger, assignors.)
Cutler-Hammer, Inc. (See Barnum, Thomas E., assignor.)
Cutler-Hammer, Inc. (See Campbell, Harry E., assignor.)
Cutler-Hammer, Inc. (See Coldwell, John S., assignor.)
Cutler-Hammer, Inc. (See Date, William E., assignor.)
Cutler-Hammer Inc. (See Eilertsen, Henry R., assignor.)
Cutler-Hammer Inc. (See Evans, Clarence T., assignor.)
Cutler-Hammer, Inc. (See Gove, Edwin J., assignor.)
Cutler-Hammer, Inc. (See Harwood, Paisley B., assignor.)
Cutler-Hammer, Inc. (See Hubbard, Frank H., assignor.)
Cutler-Hammer, Inc. (See Hunter, Richard B., assignor.)
Cutler-Hammer, Inc. (See Hunter, R. B. and Pauly, assignors.)
Cutler-Hammer, Inc. (See Kuhn, Clarence W., assignor.)
Cutler-Hammer, Inc. (See Laabs, Eric H., assignor.)
Cutler-Hammer, Inc. (See Lockett, Ralph G., assignor.)
Cutler-Hammer, Inc. (See Meuer, George J., assignor.)
Cutler-Hammer, Inc. (See Millermaster, Ralph A., assignor.)
Cutler-Hammer, Inc. (See Mortensen, Niels L., assignor.)
Cutler-Hammer, Inc. (See Posselt, Edward J., assignor.)
Cutler-Hammer, Inc. (See Richardson, L. T., and Schmiel, assignors.)
Cutler-Hammer, Inc. (See Schmidt, E. X., and Baer, assignors.)
Cutler-Hammer, Inc. (See Seeger, Edwin W., assignor.)
Cutler-Hammer, Inc. (See Shroder, Harry A., assignor.)
Cutler-Hammer, Inc. (See Simon, Arthur, assignor.)
Cutler-Hammer, Inc. (See Stansbury, Carroll, assignor.)
Cutler-Hammer, Inc. (See Stansbury, C., and Mortensen, assignors.)
Cutler-Hammer, Inc. (See Stevens, William C., assignor.)
Cutler-Hammer, Inc. (See Tregoning, William C., assignor.)
Cutler, Henry H., Brookline, Mass. Internal combustion engine. 1,824,536; Sept. 22.
Cutler, Henry H., Brookline, Mass. Electric train control for gas engine propulsion. 1,833,017; Nov. 24.
Cutler, Henry H., Coral Gables, Fla. Speed control system. 1,833,048; Nov. 24.
Cutler, Joseph W., assignor to Cutler Mail Chute Co., Rochester, N. Y. Plaque. Des. 85,168; Sept. 22.
Cutler, Joseph W., assignor to Cutler Mail Chute Co., Rochester, N. Y. Mail chute. 1,794,104; Feb. 24.
Cutler, Joseph W., assignor to Cutler Mail Chute Co., Rochester, N. Y. Closure for mail chutes. 1,804,050; May 5.
Cutler Mail Chute Co. (See Cutler, Joseph W., assignor.)
Cutler, Max, assignor of one-half to G. B. Thorkney, Chicago, Ill. Attachment for battery terminals. 1,794,757; Mar. 3.
Cutler, Samuel C., Murray Hill, N. J. Air-moistening device. 1,796,982; Mar. 17.
Cutler, Samuel C., Murray Hill, N. J. Air washing apparatus. 1,816,828; Aug. 4.
Cutler, Samuel C., Murray Hill, N. J. Atomizing and humidifying apparatus. 1,835,559; Dec. 8.
Cutler, Samuel R., administrator. (See Furber, Frederick M.)
Cutsinger, Roy. (See Parker, E. A., and Cutsinger.)
Cuttat, Georges, assignor to Societe Anonyme des Etablissements Cuttat, Paris, France. Device for automatically controlling the slide rests of lathes and machine tools. 1,836,648; Dec. 15.
Cutter, Edmund I. (See Carroll, E. J., and Cutter.)
Cutter, Edward S., Minneapolis, Minn. Garbage can holder. 1,837,411; Dec. 22.
Cutting, Frank C. (See Carney, S. C., Baker, and Cutting.)
Cutting, Fulton, New York, N. Y. Electromagnet and voltage divider. 1,792,077; Feb. 10.
Cutting, Fulton, and J. L. Taylor, New York, N. Y. Electrical coupling system. 1,817,294; Aug. 4.
Cutting, George B., Worcester, Mass. Packing. 1,821,964; Sept. 8.
Cutting, Herbert A., Detroit, Mich. Cleaning means. 1,803,693; May 5.
Cuttle, Francis, and C. F. Brookhart, Riverside, Calif. Fish screen and apparatus for removing objects from streams. 1,799,457; Apr. 7.
Cutts, Richard M., Washington, D. C. Bolt-return accelerator. 1,788,279; Jan. 6.
Cuturi, Marco, Brussels, Belgium. Submarine mine and anchoring the same. 1,802,239; Apr. 21.
Cycle Company, The. (See Kurie, C. W. jr., and Ankeny, assignors.)
Cycletow Corporation. (See Hess, Albert L., assignor.)
Cyclo Corporation. (See Honig, Frank, assignor.)
Cyclone Manufacturing Company, The. (See Speicher, Daniel E., assignor.)
Cygon, Leon, Wichita Falls, assignor of one-half to W. D. Keith, Burkburnett, Tex. Time calculating and wage computing machine. 1,820,378; Aug. 25.
Cyphers, Charles A., Buffalo, N. Y. Switch device for incubators. 1,798,835; Mar. 31.
Cyr, Howard M., and R. K. Waring, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Treatment of zinciferous materials containing cadmium. 1,817,068; Aug. 4.
Czajkowski, Clemens, Milwaukee, Wis. Screw cap retainer. 1,835,380; Dec. 8.
Czapek, Emil, and R. Weingand, Bomlitz, Germany. Manufacturing artificial leather, leather board, waxed cloth and the like. 1,806,841; May 26.
D. and H. Manufacturing Company. (See Holdaway, William S., assignor.)
D. R. S. Company. (See Offutt, Lawrence H., assignor.)
Daae, Reinhardt, Youngstown, Ohio. Gas producer. 1,814,787; July 14.
Daae, Reinhardt, Youngstown, Ohio. Gas producer. 1,819,836; Aug. 18.
Daane, Arthur J., assignor to The Acme Printing Appliance Co., Chicago, Ill. Ink distributing mechanism for printing presses. 1,817,677; Aug. 4.
Dabbs, Harry, assignor of forty-nine one-hundredths to J. R. Whitthorne, Little Rock, Ark. Stripper spindle. 1,826,602; Oct. 6.
Dacey, Alfred J., jr., Cleveland, Ohio. Airplane toy. 1,802,139; Apr. 21.
Dacey, Edward J., Philadelphia, Pa., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Stationary wire Wilton loom. 1,811,427; June 23.
Dachlauer, Karl, and E. Thiel, Hochst-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Aromatic sulfonic acids and preparing the same. 1,804,527; May 12.
Da Costa, Arthur V., Providence, R. I. Toy. 1,789,333; Jan. 20.

Da Costa, Arthur V., assignor to Da Costa Engine Company, Providence, R. I. Valve motion mechanism for internal combustion engines. 1,810,465; June 16.
Da Costa Coffee Corporation. (See Da Costa, Leo L., assignor.)
Da Costa Company. (See Da Costa, Leo L., assignor.)
Da Costa Engine Company. (See Da Costa, Arthur V., assignor.)
Da Costa, James S., Merchantville, N. J., assignor of one-half to J. B. Webb, Vinsetta Park, Mich. Conveying chain. 1,788,454; Jan. 13.
Da Costa, James S., Merchantville, N. J., assignor of one-half to J. B. Webb, Detroit, Mich. Conveying-chain structure. 1,793,065; Feb. 17.
Da Costa, James S., Merchantville, N. J., assignor of one-half to J. B. Webb, Detroit, Mich. Driving means for conveyer chains. 1,817,970; Aug. 11.
Da Costa, Leo L., Irvington, N. J., assignor to Da Costa Coffee Corporation, New York, N. Y. Float-controlled valve. 1,796,443; Mar. 17.
Da Costa, Leo L., Brooklyn, assignor to Da Costa Company, Inc., New York, N. Y. Dispensing faucet. 1,838,093; Dec. 29.
Da Costa, Robert C., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Terminal connecting system. 1,791,123; Feb. 3.
Daddysman, Alonzo F. (See Daddysman, William J. and A. F.)
Daddysman, William J. and A. F., Charleston, W. Va. Valve. 1,808,495; June 2.
Daehlin, Isaac, Freeport, Ill. Combination instrument. 1,809,775; June 9.
Daellenbach, Arthur G. (See Schauer, O. V., and Daellenbach.)
Daering, Rudolf, Norton, Alberta, Canada. Level crossing gate. 1,827,782; Oct. 20.
Daetsch, William J. (See Glynn, Stephen A., assignor.)
Daggett, Edward H., Glen Ridge, assignor of one-half to T. H. Brown, Chatham, N. J. Alarm-sounding device. 1,800,512; Apr. 14.
D'Agostino, Julius, Detroit, Mich. Internal-combustion engine. 1,789,579; Jan. 20.
Dahl, Adolf. (See Thauss, A., and Dahl.)
Dahl, Adolph, et al. (See Cooper, John, assignor.)
Dahl, Arthur C., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article conveying system. 1,833,636; Nov. 24.
Dahl, Berent O., Viroqua, Wis. Safety wing for aircraft. 1,806,148; May 19.
Dahl, Conrad C., assignor to Burroughs Adding Machine Company, Detroit, Mich. Typewriter. Des. 85,515; Nov. 10.
Dahl, Edor, Minneapolis, assignor to Groff Paper Company, St. Paul, Minn. Embossed paper napkin. Des. 84,028; Apr. 28.
Dahl, Edor, Minneapolis, assignor to Groff Paper Company, St. Paul, Minn. Holder for folded napkins and similar articles. 1,793,682; Feb. 24.
Dahl, Jack F. (See Carpenter, W. W., Dahl, Davis, and Kittredge.)
Dahl, Jack F., West Orange, N. J., and R. C. Davis, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicating and recording system. 1,823,091; Sept. 15.
Dahl, Oscar and E. A. H. Kjörstad, La Rochelle, France. Apparatus for the preparation of cooling brines. 1,791,022; Feb. 3.
Dahl, Oscar, and E. A. H. Kjörstad, La Rochelle, France. Refrigerating plant. 1,791,023; Feb. 3.
Dahl, Oscar, and E. A. H. Kjörstad, La Rochelle, France. Refrigerating plant for the freezing of fish and other goods. 1,838,366; Dec. 29.
Dahlberg, Carl A., Chicago, Ill. Scaffolding. 1,830,017; Nov. 3.
Dahlberg, Henry W., Denver, Colo. Barium silico-ferrite and preparing the same. 1,821,208; Sept. 1.
Dahlberg, Lars E. M. C., Kristianstad, Sweden. Means on firearms for measuring angles in the field. 1,804,825; May 12.
Dahlen, Peter, New York, N. Y. Pipe cleaning device. 1,812,200; June 30.
Dahlgren, Sven A. B. (See Andersson, G. H., and Dahlgren.)
Dahl-Rode, Svein, assignor to Cochrane Corporation, Philadelphia, Pa. Manufacture of base-exchange substances. 1,788,805; Jan. 13.
Dahlström, Ernst R. (See Wehmann, F. W., and Dahlström.)
Dahlstrom, Frank P. (See George, J. R., and Dahlstrom.)
Dahlstrom, Frank P., assignor to Morgan Construction Company, Worcester, Mass. Lubrication of gears and the like. 1,832,099; Nov. 17.
Dahlstrom, John A. (See Chadwick, L. S., Resek, and Dahlstrom.)
Dahm, Leonard G., assignor to T. Buettner & Co. Inc., Chicago, Ill. Needle. 1,808,532; June 2.
Dahme, Joseph A. (See Georgevitch, Nicolas, assignor.)
Dahms, Emma and F. A., Toledo, Ohio. Sanitary fit-on kitchen sink back and top cover. 1,798,068; Mar. 24.
Dahms, Fred A. (See Dahms, Emma and F. A.)
Dahms, George L., Columbiana, Ohio. Chair buck. 1,833,355; Nov. 24.
Dahms, Rudolf. (See Kusche, W., Dahms, and Pfleiderer.)
Dahms, Rudolf, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk Siemensstadt, near Berlin, Germany. Telephone system. 1,795,295; Mar. 10.
Daigre-Gore, Lilly, New Orleans, La. Smoker's stand or similar article. Des. 82,980; Jan. 6.
Dailey, Ella S., executrix. (See Lees, O. O., and Finn.)
Dailey, John A., Burlington, and L. W. Gerth, Wapello, Iowa. Railway crossing. 1,793,779; Feb. 24.
Daily, James M., assignor to American Ozone Company, Chicago, Ill. Apparatus for making ozone. 1,803,600; May 5.
Daily, James M., assignor to American Ozone Company, Chicago, Ill. Device for mixing gases and liquids. 1,810,131; June 16.
Daimaru, Yaso, New York, N. Y. Ball game. 1,827,642; Oct. 13.
Daimler-Benz Aktiengesellschaft. (See Bauer, J., and Umbach, assignors.)
Daimler Benz Aktiengesellschaft. (See Eltze, Kurt, assignor.)
Daimler-Benz Aktiengesellschaft. (See Köhler, Otto, assignor.)
Daimler-Benz Aktiengesellschaft. (See Porsche, Ferdinand, assignor.)
Daimler-Motorin-Gesellschaft. (See Schwerdtfeger, Walter, assignor.)
Dain Manufacturing Company of Iowa. (See Jones, Frank D., assignor.)
Dain Manufacturing Company of Iowa. (See Rutter, Alvah E., assignor.)
Dainos, Anthony W., New Orleans, La. Greasing, lifting and rocking machine. 1,808,596; June 2.
Dainow, Max, West New York, N. J. Motion picture rewinding mechanism. 1,820,731; Aug. 25.
Dains, Irven F., assignor to Western Stoneware Company, Monmouth, Ill. Drinking fountain. 1,834,516; Dec. 1.
Dainton, Francis M., New York, N. Y. Internal combustion engine. 1,802,881; Apr. 28.
Daisley, Robert H., Highland Park, assignor to Wilcox-Rich Corporation, Detroit, Mich. Guide and stem assembly for poppet valves. 1,800,340; Apr. 14.
Daisy Manufacturing Company. (See Le Fever, Charles F., assignor.)
Daitch, Eva, Brookline, Mass. Shopping bag. 1,810,347; June 16.
Dake, Charles W. (See Kennedy, J. J., and Dake.)
Dake, Charles W., assignor to The Pyle National Company, Chicago, Ill. Automatic stop for steam turbines and the like. 1,796,508; Mar. 17.
Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Landing light for airplanes and the like. 1,799,285; Apr. 7.
Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Landing light for airplanes and the like. 1,799,286; Apr. 7.
Dake, Charles W., and W. A. Wulle, assignors to The Pyle-National Company, Chicago, Ill. Cab switch for locomotives and the like. 1,801,624; Apr. 21.
Dakin, John E. (See Van Arsdale, M. G., and Dakin.)
Dalberg, Frank E. (See Caldwell, J. R., Dalberg, and Fitch.)
Dalby, Thomas, Company. (See Craig, Allan D., assignor.)
Dale, Dudley R., assignor to The S. M. Jones Company, Toledo, Ohio. Elevator for sucker rods, tubing, etc. 1,796,779; Mar. 17.
Dale, Dudley R., assignor to The S. M. Jones Company, Toledo, Ohio. Reel. 1,834,338; Dec. 1.
Dale, George E., Trenton, N. J., assignor to Kalman Steel Co., Chicago, Ill. Structural reenforcing and building member. 1,824,076; Sept. 22.
Dale, Harry B., St. Louis County, Mo. Railroad switch protector. 1,802,406; Apr. 28.
Dale, James E., Milwaukee, Wis. Fair lead. 1,797,331; Mar. 24.
Dale, James H., assignor to D. L. Marx Co. Inc., Cairo, Ill. Belt loop cutting and sorting machine. 1,837,762; Dec. 22.
Dalén, Gustaf, and S. A. Eskilson, Stockholm, Sweden, assignors to American Gasaccumulator Company, Elizabeth, N. J. Gas light signal apparatus. 1,819,676; Aug. 18.
Dalén, Gustav. (See Schopper, A., and Dalén.)
Dalen, John H., Piedmont, Calif. Wood-slicing machine. 1,793,842; Feb. 24.
Dalen, John H., Berkeley, Calif. Cutting blade. 1,823,031; Sept. 15.
Dales, Benton, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber coated article and making same. 1,813,440; July 7.
D'Alessandro, Augusto, Lynn, Mass. Making shoes. 1,811,879; June 30.
Daley, Dennis W., Parkersburg, W. Va. Building block. 1,822,802; Sept. 8.
Daley, John C., St. Boniface, Manitoba, Canada. Stocking. Des. 85,732; Dec. 15.
Daley, Michael T. (See Booty, Philip C. P., assignor.)
Daley, Walter A., assignor to Bell & Gossett Company, Chicago, Ill. Auxiliary water heater or heat-transfer device. 1,796,509; Mar. 17.
Dalgliesh, Herbert V., Atlanta, Ga., assignor, by mesne assignments, to Research & Development Corporation. Heat-exchange device. 1,791,483; Feb. 3.

Dalgliesh, Herbert V., assignor, by mesne assignments, to Research & Development Corporation, Atlanta, Ga. Cooled lubricating system. 1,822,726; Sept. 8.
Dalgliesh, Herbert V., assignor, by mesne assignments, to Research & Development Corporation, Atlanta, Ga. Heat exchange element. 1,826,344; Oct. 6.
Dalgliesh, Herbert V., assignor, by mesne assignments, to Research & Development Corporation, Atlanta, Ga. Heat exchange device. 1,834,604; Dec. 1.
Da-Lite Screen Company, The. (See Heck, Jacob C., assignor.)
Da-Lite Screen Company. (See Heck, John T., assignor.)
Da-Lite Screen & Scenic Co. (See Heck, Fred P., assignor.)
Dalke, Otto, Hydro, Okla., assignor of two-thirds to J. W. Glass and C. E. Frost. Cotton harvester. 1,823,133; Sept. 15.
Dalkowitz, Godfrey, New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Razor. 1,826,745; Oct. 13.
Dallas, Alva W., Trenton, N. J. Closet bowl. 1,816,362; July 28.
Dallas, Charles D., Chicago, Ill., assignor to Revere Copper & Brass Incorporated, Rome, N. Y. Portable winder. 1,831,526; Nov. 10.
Dallas, Charles D., Chicago, Ill., assignor to Revere Copper and Brass, Incorporated, Rome, N. Y. Coiling machine. 1,837,209; Dec. 22.
Dallas, John C., and M. Wilson, Calcutta, British India. Method and plant for treating sewage by the activated-sludge process. 1,790,975; Feb. 3.
Dallas Engineering Corporation. (See Knight, Harry H., assignor.)
Dallas Foundry. (See McAfee, Paul, assignor.)
Dalldorf, Lloyd, Southgate, and M. S. Black, Huntington Park, Calif. Tail piece for well tools. 1,801,334; Apr. 21.
Dällenbach, Walter, Zurich, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Device for heating the internal mercury vapor high vacuum pump of rectifiers. 1,834,146; Dec. 1.
Dallerup, John R., assignor to Reed Roller Bit Company, Houston, Tex. Drill cutter mounting. 1,820,379; Aug. 25.
Dallett Company, The. (See Van Sickel, Wilber H., assignor.)
Dally, Ovid L., Akron, Ohio. Target. 1,831,289; Nov. 10.
Daloz, Jules G., Courbevoie, France. Electric mine lamp. 1,833,318; Nov. 24.
Dalrymple, Earl C., Los Angeles, Calif., assignor to F. Geiger Truck Co. Automobile truck. 1,801,726; Apr. 21.
Dalrymple, Fred E., Milford, N. Y. Mail-box support. 1,790,136; Jan. 27.
Dalrymple, William P., assignor to Bendix Stromberg Carbureter Company, Chicago, Ill. Indicating the height of liquids in tanks. 1,831,803; Nov. 17.
Dalton Co., The. (See Dalton, Edward, assignor.)
Dalton, Daniel F., assignor to The Shoe Hardware Company, Waterbury, Conn. Fastening device. 1,813,385; July 7.
Dalton, Daniel F., assignor to The Shoe Hardware Company, Waterbury, Conn. Fastening device. 1,832,005; Nov. 17.
Dalton, Daniel F., assignor to The Shoe Hardware Company, Waterbury, Conn. Fastening device. 1,836,958; Dec. 15.
Dalton, Edward, Alton, Ill., assignor to The Dalton Co. Container. 1,821,741; Sept. 1.
Dalton, Harold P., Lamar, Mo. Store-shelving construction. 1,799,410; Apr. 7.
Dalton, Hubert, Stamford, Conn. Smoker's stand. 1,831,410; Nov. 10.
Dalton, Hubert K., Stamford, Conn. Smoker's stand or analogous article. Des. 84,882; Aug. 18.
Dalton, John T., assignor of one-half to R. H. Wright, Durham, N. C. Cam mechanism. 1,812,738; June 30.
Dalton, Nelson W., Bath, N. Y. Drying agricultural products. 1,791,054; Feb. 3.
Dalton, Thomas, assignor to W. J. Dennis & Company, Chicago, Ill. Brush and mop holder. 1,794,399; Mar. 3.
Dalton, William, Schenectady, assignor of one-half to H. S. Clarke, Albany, N. Y. Railroad track structure. 1,836,749; Dec. 15.
Dalton, William J., assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Radio apparatus. 1,804,676; May 12.
Daly, John J., West Newton, Mass. Store front. Des. 85,611; Nov. 24.
Daly, Joseph P., Norwood, Ohio, assignor to The Prosperity Company Inc., Syracuse, N. Y. Clutch mechanism. 1,796,283; Mar. 17.
Daly, Joseph P., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Pressing machine mechanism. 1,819,639; Aug. 18.
Daly, Joseph P., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Power actuating mechanism. 1,829,184; Oct. 27.
Daly, William E., Benton Harbor, Mich. Berry box crate. 1,836,750; Dec. 15.
Dalzell, Charles B. (See Feldmeier, H., and Dalzell.)
Dalzell, Clarence W., and E. G. Little, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-switch-operating apparatus. 1,796,323; Mar. 17.
Dam, Francis H. (See Forbes, George W., assignor.)
Dame, Frederick, assignor to Burroughs Adding Machine Company, Detroit, Mich. Key mechanism for calculating machines. 1,791,265; Feb. 3.
Damerell, Mark H., Worcester, Mass. Speed recording mechanism. 1,812,083; June 30.
Damerell, Mark H., assignor to Wyman-Gordon Company, Worcester, Mass. Operating mechanism for hydraulic presses. 1,790,797; Feb. 3.
Damerell, Mark H., assignor to Wyman-Gordon Company, Worcester, Mass. Shaft-straightening machine. 1,791,524; Feb. 10.
Damerell, Mark H., assignor to Wyman-Gordon Company, Worcester, Mass. Air turbine. 1,803,896; May 5.
Dameron, Warren P., Tacoma, Wash. Automobile body. 1,832,767; Nov. 17.
Damico, Leo A., Wilkes-Barre, Pa. Shuttle check and release. 1,819,946; Aug. 18.
Damm, Clement J., Sioux Falls, S. Dak. Windshield attachment. 1,836,649; Dec. 15.
Damm, Paul, Hindenburg, Germany, assignor to The Koppers Company. Purification of benzenoid hydrocarbon oils. 1,817,804; Aug. 4.
Dammeyer, Edwin H., Fort Wayne, Ind. Grease gun. 1,829,789; Nov. 3.
Damon, Francisque. (See Mouthe, Auguste, assignor.)
Damon, Francisque, Lyon, France. Varicose stocking. 1,815,667; July 21.
Damonte, John P., New Orleans, La. Worm gear. 1,815,835; July 21.
Dampney Company of America, The. (See Moore, Charles F., assignor.)
Damrow Brothers Company. (See Damrow, Edward C., assignor.)
Damrow, Edward C., assignor to Damrow Brothers Company, Fond du Lac, Wis. Reversing mechanism for curd agitators and the like. 1,831,785; Nov. 10.
Damsel, William B., assignor of one-third to F. H. Bedford, jr., and one-third to J. H. Hayes, New York, N. Y. Flexible pipe coupling. 1,833,319; Nov. 24.
Dana, Arnold G., New Haven, Conn. Puzzle. 1,787,473; Jan. 6.
Dana, Leslie, St. Louis, Mo., assignor to Charter Oak Stove & Range Company. Stove construction. 1,834,019; Dec. 1.
Dana, Leslie, St. Louis, Mo., assignor to Charter Oak Stove & Range Company. Stove construction. 1,836,578; Dec. 15.
Dana Warp Mills. (See Perrin, Alphonse R., assignor.)
Danat, Fred W., Buffalo, N. Y. Lithographer's squaring-up device. 1,831,381; Nov. 10.
Dance, Clifford C., assignor to Dance Suction Sweeper Company, Denver, Colo. Vacuum cleaner. 1,820,350; Aug. 25.
Dance Suction Sweeper Company. (See Dance, Clifford C., assignor.)
Dance, William H., Cambridge, Mass. Excavating and conveying apparatus. 1,817,971; Aug. 11.
Dance, William H., Cambridge, Mass. Mold for forming grooved concrete blocks. 1,830,225; Nov. 3.
Danco, Léon A., Rockville Center, N. Y., assignor to McKesson & Robbins, Inc., Bridgeport, Conn. Container for cosmetics. 1,814,080; July 14.
Danco, Leon A., Rockville Center, N. Y., assignor to McKesson & Robbins, Incorporated, Bridgeport, Conn. Container. 1,817,128; Aug. 4.
Dandridge, Edward P., Swarthmore, Pa. Corn-ear holder. 1,801,192; Apr. 14.
Daneel, Richard H., Britstown, South Africa. Inflating pneumatic tires. 1,800,780; Apr. 14.
Daneke, Dietrich. (See Brackett, E. M., and Daneke.)
Danenhower, William J., assignor to L. J. Woltzen, Los Angeles, Calif. Combined electric and steam garment and cloth pressing apparatus. 1,813,663; July 7.
Danforth, Louis D., assignor to Los Angeles Ladder Company, Los Angeles, Calif. Tree holder. 1,792,968; Feb. 17.
Dangelmajer, Charles, Niagara Falls, assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company, New York, N. Y. Stabilization of trichloroethylene. 1,816,895; Aug. 4.
Danger, Etienne, assignor to Societe Usines Decoufle, Paris, France. Cutting device for cigarette machines. 1,797,640; Mar. 24.
Danger, H. (See Danger, Otto G. L., assignor.)
Danger, Otto G. L., assignor to the firm H. Danger, Hamburg, Germany. Machine for automatically baking waffles and the like. 1,822,803; Sept. 8.
Daniel, Charles E., Bronxville, N. Y. Thermostatically controlled valve. 1,802,200; Apr. 21.
Daniel, Charles E., assignor to The American Crayon Company, Sandusky, Ohio. Receptacle. 1,831,290; Nov. 10.
Daniel, Everett, Moultrie, Ga. Crossing gate. 1,825,780; Oct. 6.
Daniel, Jesse E. B., assignor of one-fourth to Ward Blackburn, Los Angeles, Calif. Well-flowing apparatus. 1,793,780; Feb. 24.
Daniel, Raleigh T., Louisa, Va. Flexible propeller-shaft coupling for toy aeroplanes. 1,795,165; Mar. 3.
Daniel, Thomas A. (See Siebs, C. T., and Daniel.)
Daniel, Thomas L., Atlanta, Ga., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Rewinding device. 1,788,564; Jan. 13.

Daniel, Walter L., Lubbock, Tex. Photograph holder. 1,828,558; Oct. 20.
Daniels, Clare R., et al. (See Daniels, Walter E., sr., assignor.)
Daniels, Claude H., Newton Center, Mass. Boot or shoe and making same. 1,801,803; Apr. 21.
Daniels, Claude H., Newton Center, Mass. Boot or shoe and making same. 1,806,673; May 26.
Daniels, Claude H., Newton Center, Mass. Boot or shoe and making same. 1,828,320; Oct. 20.
Daniels, Ernest C., Orangeville, Ontario, Canada. Ventilator. 1,798,400; Mar. 31.
Daniels, Ernest W., Phoenix, Ariz. Propeller. 1,829,982; Nov. 3.
Daniels, Fred H., assignor to Riley Stoker Corporation, Worcester, Mass. Pulp refining apparatus. 1,814,587; July 14.
Daniels, Lloyd C. (See Jewett, J. E., and Daniels.)
Daniels, Lloyd C., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Separation of organic acids. 1,822,016; Sept. 8.
Daniels, Lloyd C., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Purification of crude anthracene. 1,831,059; Nov. 10.
Daniels, Lloyd C., Crafton, and C. J. Schwindt, assignors, by mesne assignments, to The Selden Research Engineering Corporation, Pittsburgh, Pa. Comminuted crystalline phthalic anhydride. 1,789,967; Jan. 27.
Daniels, Ludlow, Dallas, Tex. Spectacles. 1,819,738; Aug. 18.
Daniels, Maurice. (See Wright, Harry P., assignor.)
Daniels, Mildred M. (See Cawley, Michael J., assignor.)
Daniels, Nathan, Malden, and J. M. Pero, Randolph, Mass. Shoe lacing. 1,804,211; May 5.
Daniels, Sam, Mfg. Co. (See Daniels, Samuel, assignor.)
Daniels, Samuel, assignor to Sam Daniels Mfg. Co., Inc., Hardwick, Vt. Water cooled strainer receptacle. 1,830,093; Nov. 3.
Daniels, Walter E., jr., et al. (See Daniels, Walter E., sr., assignor.)
Daniels, Walter E., sr., assignor of one-third to C. R. Daniels and one-third to W. E. Daniels, jr., Green Bay, Wis. Fuel-deflector attachment. 1,787,671; Jan. 6.
Danielson, Andrew L., Coronado, Calif. Combination certificate and log-book container. 1,798,401; Mar. 31.
Danielson, Carl T., Chicago, Ill. Saw. 1,803,463; May 5.
Danielson, Daniel B., Milwaukee, Wis. Veneer bond. 1,798,134; Mar. 31.
Danielson, Ernest G., San Francisco, Calif. Radio receiving system. 1,809,027; June 9.
Danielson, Ernest G., assignor to Gray & Danielson Manufacturing Company, San Francisco, Calif. Radio indicating device. 1,801,663; Apr. 21.
Danielson, Ernest G., assignor to Gray & Danielson Manufacturing Company, San Francisco, Calif. Variable tuning device. 1,830,982; Nov. 10.
Danielson, Gustav E., assignor of one-fourth to A. Bohm, Seattle, Wash. Gear shift. 1,804,747; May 12.
Danielson, Wilmot A., U. S. Army, Washington, D. C. Fuel mixer and feed. 1,812,775; June 30.
Danker, Gerhard, Oradell, N. J., assignor to Grandolier Lighting Fixture Co., Brooklyn, N. Y. Table lamp or article of similar nature. Des. 83,034; Jan. 13.
Danko, John M., and J. Kasarda, Freeland, Pa. Walking toy animal. 1,807,391; May 26.
Danks, Alfred C., Cleveland, Ohio. Pulverizer. 1,788,825; Jan. 13.
Danks, Alfred C., Cleveland, Ohio, assignor to The Ashmead-Danks Company. Burner for gas and pulverized fuel. 1,837,358; Dec. 22.
Danley, Dayton H., Lebanon, Ind. Acetylene-gas generator. 1,791,194; Feb. 3.
Danley, Warren E., Highland Park, Ill. Radio apparatus. 1,835,934; Dec. 8.
Danly Machine Specialties, Inc. (See Danly, Robert C., assignor.)
Danly, Robert C., assignor to Danly Machine Specialties, Inc., Chicago, Ill. Feeding mechanism. 1,828,595; Oct. 20.
Danly, Robert C., assignor to Danly Machine Specialties, Inc., Chicago, Ill. Feeding mechanism. 1,828,596; Oct. 20.
Danly, Robert C., assignor to Danly Machine Specialties, Inc., Chicago, Ill. Feeding mechanism. 1,828,597; Oct. 20.
Dann, Paul N., New Haven, Conn. Grounding fitting for electric systems. 1,793,911; Feb. 24.
Dann, Walter M. (See Thompson, A. W., and Dann.)
Dannenhower, Gilbert L., Norristown, assignor to Woodworking Machinery Company, Philadelphia, Pa. Woodworking machine. 1,834,684; Dec. 1.
Danner, Albert C., assignor of one-half to W. Ryan and one-half to R. H. Stewart, Indianapolis, Ind. Automatic-starter switch mechanism. 1,791,614; Feb. 10.
Danner, Albert P., Bridgeport, Conn. Christmas tree stand. 1,830,193; Nov. 3.
Danner, John J., St. Paul, Minn. Christmas tree support stand. 1,811,918; June 30.
Danner, Philip S., Port Richmond, and E. E. Lyder, Berkeley, assignors, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Increasing the yield of light hydrocarbons from oil shales. 1,833,155; Nov. 24.
Danninger, Alois, H. Schmolka, and R. Kastner, Steyrermuhl, Austria. Method and apparatus for the freeing from water of webs of paper, cellulose, and the like. 1,802,407; Apr. 28.
Dans, Bernard D. (See Fleischer, P. W., Feybusch, Hammer, and Dans.)
D'ans, Jean, assignor to Deutsche Gasgluhlicht-Auer-Gesellschaft mit beschrankter Haftung, Berlin, Germany. Decomposing ores of the rare earths, of zirconium and titanium, in a cycle by means of sulphuric acid. 1,819,770; Aug. 18.
Dante, Joseph J., Bantam, Conn., assignor, by mesne assignments, to The Trumbull-Vanderpoll Electric Manufacturing Company, Litchfield, Conn. Switch-contact-arc reducer. 1,795,641; Mar. 10.
Dante, Joseph J., Bantam, assignor, by mesne assignments, to The Trumbull-Vanderpoel Electric Manufacturing Company, Litchfield, Conn. Switch handle attaching means. 1,834,939; Dec. 8.
Dantella, Ambrose B. (See Terry, Jimmy, assignor.)
Danthine, Karl, Bern, assignor to Heinrick Surber, Zurich, Switzerland. Rifle attachment for firing miniature ammunition. 1,805,278; May 12.
Danthine, Karl, Bern, assignor to H. Surber, Zurich, Switzerland. Machine gun. 1,821,463; Sept. 1.
Dantsizen, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerant. 1,828,559; Oct. 20.
Dantsizen, Christian, Schenectady, N. Y., assignor to General Electric Company. Apparatus for and process of removing soot. 1,828,646; Oct. 20.
Dantzig, Tobias, and E. C. Peterson, Washington, D. C., dedicated to the Government and the people of the United States of America. Apparatus for the measurement of stiffness of flexible materials. 1,824,395; Sept. 22.
Danzer, Georg, assignor to the Firm Vogtlandische Maschinenfabrik (vorm. J. C. und H. Dietrich) A.G., Plauen, Germany. Cutting and transferring mechanism for printing presses. 1,803,499; May 5.
Danzig, Charles M., New York, N. Y. Printer's quoin. 1,830,194; Nov. 3.
Danzig, Isidore, Brooklyn, N. Y. Constructing and straightening vehicle bodies. 1,788,151; Jan. 6.
Dap, Jean, Puteaux, France, assignor to Dap-Motor-Patent-Gesellschaft m. b. H., Cologne-Holweide, Germany. Rotary engine and pump. 1,804,497; May 12.
Dap, Jean, Puteaux, France, assignor to Dap-Motor-Patent-Gesellschaft m. b. H., Cologne-Holweide, Germany. Two-stroke cycle internal combustion engine. 1,827,932; Oct. 20.
Dap-Motor-Patent-Gesellschaft m. b. H. (See Dap, Jean, assignor.)
Dappon, Joseph M., St. Louis, Mo., and E. R. Fitch, Westwood, N. J., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Speed-controlled brake. 1,793,589; Feb. 24.
Daprato Statuary Company. (See Rigali, John E., assignor.)
Dapron, Joseph M., St. Louis, Mo. Portable traffic signal. 1,830,784; Nov. 10.
Dapron, Joseph M., St. Louis, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-valve device. 1,824,036; Sept. 22.
Darb, Miriam, Wilkinsburg, Pa. Stocking supporter. 1,794,001; Feb. 24.
Darby, Edwin, Birmingham, England. Apparatus for heating liquids. 1,809,744; June 9.
Darby, Maurice O., London, and A. A. Sidney, Croydon, England. Fuel pump. 1,824,467; Sept. 22.
Darby, Robert F., assignor to American Steel Foundries, Chicago, Ill. Shaker arm. 1,834,685; Dec. 1.
Darby, Samuel E., jr. (See Kaufman, Wolff, assignor.)
Darby, Samuel E., trustee. (See Parker, Richard B., assignor.)
Darbyson, Walter, Windsor, Ontario, Canada. Airplane. 1,800,439; Apr. 14.
Darche, Albert A. A., Algiers, France. Piston for motors with internal combustion. 1,802,632; Apr. 28.
Darco Corporation. (See Davis, R. G., and Sanders, assignors.)
Darco Corporation. (See Power, James T., assignor.)
Dardel, Marie P. L., assignor to Société Marcas & Dardel, Paris, France. Pocket perfume sprayer. 1,811,919; June 30.
Dardelet, Hugues L., Nantes, France, assignor, by mesne assignments, to Dardelet Threadlock Corporation, New York, N. Y. Lathe attachment. 1,798,143; Mar. 31.
Dardelet, Hugues L., Nantes, France, assignor, by mesne assignments, to Dardelet Threadlock Corporation, New York, N. Y. Screw thread coupled members. 1,817,295; Aug. 4.
Dardelet, Hugues L., Nantes, France, assignor, by mesne assignments, to Dardelet Threadlock Corporation, New York, N. Y. Container with detachable closure. 1,835,016; Dec. 8.
Dardelet, Hugues L., Nantes, France, assignor, by mesne assignments, to Dardelet Threadlock Corporation, New York, N. Y. Container with replaceable closures. 1,835,017; Dec. 8.
Dardelet Threadlock Corporation. (See Bridges, Lewis B., assignor.)
Dardelet Threadlock Corporation. (See Dardelet, Hugues L., assignor.)

Dardelet Threadlock Corporation. (See Hoke, William E., assignor.)
Dargan, William H. (See Hasche, R. L., and Dargan.)
Darklite Corporation. (See Cassetty, W. M. jr., Ross, and Alford, assignors.)
Darling, Elton R. (See Marx, C., and Darling.)
Darling, Elton R., Decatur, Ill., assignor, by mesne assignments, to Cornstalk Products Company, Inc., New York, N. Y. Separating the pith and fiber of cornstalks. 1,790,001; Jan. 27.
Darling, Elton R., Decatur, Ill., assignor, by mesne assignments, to Cornstalk Products Company, Inc., New York, N. Y. Preparation of parchment paper stock from cornstalk pith. 1,790,002; Jan. 27.
Darling, Elton R., Danville, assignor to Pacific Lumber Company, Chicago, Ill. Manufacture of sheathing lumber from redwood bark. 1,797,901; Mar. 24.
Darling, Elton R., Danville, Ill., assignor to Cornstalk Products Company, Inc., New York, N. Y. Preparation of pentosans. 1,819,233; Aug. 18.
Darling, Elton R., assignor to Cornstalk Products Company, Inc., Danville, Ill. Producing material rich in xylan. 1,825,307; Sept. 29.
Darling, Elton R., Danville, assignor to Pacific Lumber Company, Chicago, Ill. Production of sheathing boards from redwood bark. 1,828,028; Oct. 20.
Darling, Elton R., assignor to Cornstalk Products Company, Inc., Danville, Ill. Pulping farm wastes. 1,828,242; Oct. 20.
Darling, Elton R., Danville, Ill., assignor, by mesne assignments, to Cornstalk Products Company, Inc., New York, N. Y. Manufacture of cellulose from straw. 1,829,852; Nov. 3.
Darling, Elton R., assignor to Cornstalk Products Company, Inc., Danville, Ill. Preparation of high alpha cellulosic pulp. 1,838,367; Dec. 29.
Darling, Elton R., Decatur, Ill., and H. F. MacMillin, Mount Gilead, assignors to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Manufacture of pectin solution from apple pomace. 1,799,140; Mar. 31.
Darling, Frank L., Baltimore, Md. Vessel with crimped or crown cap and cap remover. 1,838,534; Dec. 29.
Darling, Frank L., Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Packaging and apparatus therefor. 1,822,614; Sept. 8.
Darling, J. Frank, Wilmington, Del. Scouring device. 1,820,183; Aug. 25.
Darling, Joshua F., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovery of phosphotungstates. 1,790,905; Feb. 3.
Darling, L. A., Company. (See Moorehead, William R., assignor.)
Darling Specialty Co., The. (See Watkins, Henry E., assignor.)
Darlington, Harry J. (See Charman, W. M., and Darlington.)
Darlington, Homer T., West Chester, Pa., assignor to M. B. Schuster, Joliet, Ill., trustee. Apparatus for treating, distilling, and decomposing hydrocarbon oils. 1,813,117; July 7.
Darlington, Homer T., West Chester, Pa., assignor to Martin B. Schuster, trustee, Joliet, Ill. Process and apparatus for cracking and treating hydrocarbons. 1,832,100; Nov. 17.
Darmstaetter, Armin A. (See Sawtelle, Charles A., assignor.)
Darnall, William M., Lakewood, Ohio. Testing apparatus. 1,816,178; July 28.
Darnell, Melvin E., Lincoln, Nebr. Canopy for hospital beds. 1,830,018; Nov. 3.
Darnell, Rex C., Royal Oak, assignor of one-third to H. B. Putnam, Detroit, and one-third to F. L. Munson, Warren, Mich. Sound regenerating apparatus. 1,821,933; Sept. 8.
Darnell, Walter R., Long Beach, Calif. Desk leg glide shoe. 1,827,972; Oct. 20.
Darner, Edgar S., Hagerstown, Md. Bottle capping machine. 1,824,660; Sept. 22.
Darr, Milford L., Oakland, Calif. Helicopter. 1,819,075; Aug. 18.
Darrah, William A., Chicago, Ill. Automatically measuring and apparatus therefor. Re18,005; Mar. 24.
Darrah, William A., Chicago, Ill. Apparatus for heating gases. 1,801,226; Apr. 14.
Darrah, William A., Chicago, Ill. Apparatus for treating solid materials. 1,818,308; Aug. 11.
Darrah, William A., Chicago, Ill. Apparatus and process for producing sheets. 1,819,771; Aug. 18.
Darrah, William A., Chicago, Ill. Applying heat. 1,819,772; Aug. 18.
Darrah, William A., Chicago, Ill. Apparatus for making boards. 1,821,209; Sept. 1.
Darrieus, Georges J. M., assignor to Société Anonyme Pour L'Exploitation Des Procédés Maurice Leblanc-Vickers, Paris, France. Wind motor. 1,820,529; Aug. 25.
Darrieus, Georges J. M., assignor to Société Anonyme pour l'Exploitation Des Procédes Maurice Leblanc-Vickers, Paris, France. Turbine having its rotating shaft transverse to the flow of the current. 1,835,018; Dec. 8.
Darrow, Burgess, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire. Des. 85,032; Sept. 8.
Darrow, Burgess, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire. Des. 85,169; Sept. 22.
Darrow, Burgess, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Wheel assembly. 1,788,862; Jan. 13.
Darrow, Burgess, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Reenforced web. 1,800,179; Apr. 7.
Darrow, Burgess, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Pneumatic tire casing. 1,818,944; Aug. 11.
Darrow, William W. (See Eklind, C. E., and Darrow.)
Darrow, William W. (See Tobin, K. J., and Darrow.)
Darsey, Van M., assignor to Parker Rust-Proof Company, Detroit, Mich. Coating metal. 1,791,715; Feb. 10.
Darst, James M., East Cleveland, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Bag closure. 1,801,193; Apr. 14.
Dart, Robert H., Sacramento, Calif. Automobile jack. 1,815,869; July 21.
d'Arx, Louis E., Clayfield, Brisbane, Queensland, Australia. Venetian blind. 1,828,598; Oct. 20.
Dasey, Percy J., Chicago, Ill. A gaseous fuel mixing device. 1,806,790; May 26.
Dashner, Emery J., Belmont, assignor to J. H. MacAlman, Winchester, Mass. Pressure operated electric circuit controller. 1,834,517; Dec. 1.
Dashner, William W., assignor to R-B-M Manufacturing Co., Logansport, Ind. Circuit breaker. 1,824,125; Sept. 22.
Dashwood, Frank, Dunnville, Ontario, Canada. Pressure reducing and regulating valve. 1,795,201; Mar. 3.
D'Asseler, Jules, Ghent, Belgium. Wind motor. 1,826,039; Oct. 6.
Dassonville, Michel, Paris, France. Device for curling threads made of cellulosic material at their issue from spinning machines. 1,824,661; Sept. 22.
Dassonville, Michel, Paris, France. Collecting artificial wool. 1,824,772; Sept. 29.
Dassonville, Michel, Paris, France, assignor to Societe d'Explorations des Textiles Nouveaux, Geneva, Switzerland. Apparatus for the preparation of cellulose xanthate. 1,834,605; Dec. 1.
D'Asteck, Emir L., Madrid, Spain, assignor to Joseph Pease, Swale, Richmond, and Frank Newell, London, England. Method of oxidizing and nitrating hexamethylenetetramine and the product. 1,835,697; Dec. 8.
Date, William E., East Orange, N. J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 1,821,091; Sept. 1.
Dattisman, Harry B., Landisville, Pa. Tobacco transplanter. 1,838,535; Dec. 29.
Dattner, Max. (See Weintraub, Harry H., assignor.)
Daubenmeyer, Homer, Detroit, Mich. Rotary pump. 1,799,287; Apr. 7.
Dauble, William, Detroit, Mich. Coupling. 1,835,471; Dec. 8.
Daubner, George H., Hartford, Wis., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Crank-case-ventilating system. 1,795,927; Mar. 10.
Dauch, Alan D., Pittsburgh, Pa., and J. Sandberg, Detroit, Mich., assignors to George J. Hagan Company, Pittsburgh, Pa. Carburizing and annealing furnace. 1,829,710; Oct. 27.
Daudt, Herbert W., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of tetra alkyl lead. 1,798,593; Mar. 31.
Daudy, Marc H., Philadelphia, Pa., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. Des. 85,465; Nov. 3.
Dauenhauer, Florian F., Santa Rosa, Calif. Sleeve-valve engine. 1,798,313; Mar. 31.
Daugé, Robert, Rueil, France. Apparatus for photographic enlargements by superposed impressions. 1,794,279; Feb. 24.
Daughaday, Frank P., Providence, R. I. Collar button. 1,806,894; May 26.
Daugherty, Charles S., Philadelphia, Pa. Container. 1,806,149; May 19.
Daugherty, John O., Electra, Tex. Ice scoring machine. 1,813,149; July 7.
Daughhetee, Dillard. (See Dillon, C., and Doughhetee.)
Daugy, Louis, Le Mans, France. Tool for use in inserting the swelling tube of air bladders into the cover of footballs. 1,837,899; Dec. 22.
Daum, Herbert A., Indianapolis, Ind. Lawn mower. 1,823,821; Sept. 15.
Daumling, Walter C. (See Miner, F. M., jr., and Daumling.)
Dauphin, Marie L. A. H., Paris, France. Sofa capable of being converted into a bed. 1,814,505; July 14.
Dauphinee, George S., Brooklyn, assignor to The Cooling Tower Co., Inc., New York, N. Y. Air washer. 1,819,595; Aug. 18.
Dausmann, Charles F., Oak Park, Ill. Drying ink impressions in web presses. 1,834,147; Dec. 1.
Dauvillier, Alexandre, Paris, France. Process and apparatus of radioscopy, radiography, and radiocinematography. 1,838,537; Dec. 29.
Davenport, Arthur C., Chicago, Ill. Key cabinet and retainer. 1,813,030; July 7.
Davenport, Arthur E., Maywood, Ill. Metallic crate. 1,817,805; Aug. 4.
Davenport, Arthur E., Maywood, Ill. Drip stopper. 1,835,472; Dec. 8.

Davenport, Arthur T., Washington, D. C. Dosing device. 1,825,339; Sept. 29.
Davenport, Charles M., Richmond, Va. Chart. 1,790,200; Jan. 27.
Davenport, Edmund A. (See Gero, W. B., and Davenport.)
Davenport, Edmund S., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Treating thorium. 1,787,672; Jan. 6.
Davenport, Frederick H., Meadville, Pa. Propeller. 1,839,013; Dec. 29.
Davenport, Herman A. (See Hart, F. V., and Davenport.)
Davenport, James C., et al. (See Parris, Ben T., assignor.)
Davenport, John, Franklin, N. C. Producing mica powder. 1,829,039; Oct. 27.
Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Refrigerating process and apparatus. 1,787,475; Jan. 6.
Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Charging refrigerating system. 1,801,625; Apr. 21.
Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Ternary composition of matter. 1,803,098; Apr. 28.
Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Self-contained mechanical refrigerator. 1,807,831; June 2.
Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Stabilizing refrigerants. 1,809,833; June 16.
Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Stabilizing the atmosphere of refrigerating systems. 1,809,834; June 16.
Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Working substance for producing heat transforming effects. 1,818,117; Aug. 11.
Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Apparatus for refrigeration. 1,823,353; Sept. 15.
Davenport, Sam F., executor. (See Dills, Henry S.)
Davenport, Sam F., Auburn, assignor to The Creek Chub Bait Co., Garrett, Ind. Hook mounting for lures. 1,809,776; June 9.
Davenport, Sam F., Auburn, assignor to The Creek Chub Bait Co., Garrett, Ind. Lure attachment. 1,832,768; Nov. 17.
Davenport, Sam F., Auburn, assignor to The Creek Chub Bait Co., Garrett, Ind. Lure. 1,836 650; Dec. 15.
Davenport, Sam F., Auburn, assignor to The Creek Chub Bait Co., Garrett, Ind. Artificial bait. 1,836,651; Dec. 15.
Davenport, Talmon A., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Wheel. Des. 84,567; July 7.
Davenport, Talmon A., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Wheel. Des. 84,568; July 7.
Davenport, Talmon A., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Wheel. Des. 85,033; Sept. 8.
Davenport, Talmon A., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Wheel. Des. 85,574; Nov. 17.
Davey Development Company. (See Davey, Paul H., assignor.)
Davey, George T. (See Hopkins, R. Z., and Davey.)
Davey, George W., Long Island City, N. Y. Air and water cooled furnace and generator block. 1,819,016; Aug. 18.
Davey, George W., and F. H. Waite, Long Island City, N. Y. Water gas carburetor. 1,813,386; July 7.
Davey, Joseph, Belle Harbor, N. Y. Resilient tire for wheels. 1,809,889; June 16.
Davey, Paul H., assignor to Davey Development Company, Kent, Ohio. Compressor. 1,820,732; Aug. 25.
Davey, Wheeler P., State College, Pa., assignor to General Electric Company. Making alloys. 1,829,635; Oct. 27.
David, Aubrey D., assignor to The Universal Oil Products Company, Chicago, Ill. Cracking petroleum oil. 1,827,073; Oct. 13.
David, Bruce W., Cleveland Heights, assignor to The Moonbeam Manufacturing Company, Cleveland, Ohio. Signal viewing attachment for automobiles. 1,808,208; June 2.
David, Desiderius, San Francisco, Calif. Motor. 1,831,097; Nov. 10.
David, Irwin W., New York, N. Y. Footwear. 1,832,691; Nov. 17.
David, Joseph, Chicago, Ill. Garment protector. 1,800,606; Apr. 14.
David, Louis F., and G. Felizat, Marseille, France. Treatment of oleaginous materials for separately extracting all the elements thereof. 1,794,105; Feb. 24.
David, Sara, West View, Pa. Securing device for clothing. 1,826,167; Oct. 6.
David, Tony, Lyon, France. Circular weaving loom. 1,831,482; Nov. 10.
David, Wilhelm, Hamburg, assignor to E. P. Lehmann, Brandenburg-on-the-Havel, Germany. Seesaw toy. 1,828,244; Oct. 20.
David, William H., Tottenville, N. Y. Automobile and aeroplane signal. 1,822,017; Sept. 8.
David, William J., Burbank, Calif. Adjustable neckband for barbers' haircutting cloth. 1,793,591; Feb. 24.
Davidson, Alan J., London, England. Apparatus for pressing and stretching garments, ties, ribbons, or the like. 1,802,075; Apr. 21.
Davidson, Alfred, Blackley, Manchester, assignor to Imperial Chemical Industries Limited, London, England. Production of green shades on materials made of or containing cellulose esters or ethers. 1,836,155; Dec. 15.
Davidson, Bruce J., Marseilles, Ill., assignor to National Biscuit Company, New York, N. Y. Stitching machine. 1,796,143; Mar. 10.
Davidson, Clinton, San Francisco, Calif. Hydrocarbon motor carburetor. 1,815,097; July 21.
Davidson & Company Limited. (See Whitmore, John, assignor.)
Davidson, Frank, and R. Guinn, Asher, Okla. Well plug. 1,838,662; Dec. 29.
Davidson, Frederic A., Bayside, assignor to American Safety Device Co., New York, N. Y. Hoistway inclosure. 1,799,959; Apr. 7.
Davidson, Frederic A., Chicago, Ill., assignor to American Safety Device Co., New York, N. Y Scaffold stage. 1,801,904; Apr. 21.
Davidson, Frederic A., Bayside, assignor to American Safety Device Co., New York, N. Y. Apparatus for use in setting building stone. 1,829,739; Nov. 3.
Davidson, Frederic A., Bayside, assignor to American Safety Device Co., New York, N. Y. Coupling device. 1,830,094; Nov. 3.
Davidson, Frederic A., Bayside, assignor to American Safety Device Co., New York, N. Y. Safety gate for hoisting inclosures. 1,830,385; Nov. 3.
Davidson, Frederic A., Bayside, assignor to American Safety Device Co., New York, N. Y. Coupling device. 1,835,473; Dec. 8.
Davidson, Glenn. (See Banks, H. P., and Davidson.)
Davidson, Glenn. (See Brown, E. D., Davidson, and Laucks.)
Davidson, Glenn. (See Laucks, I. F., Banks, Davidson, Rippey, and Cone.)
Davidson, Glenn. (See Laucks, I. F., and Davidson.)
Davidson, Glenn. (See Rippey, H. F., Cone, Davidson, Laucks, and Banks.)
Davidson, Glenn, and I. F. Laucks, Seattle, Wash. Making a water resistant double decomposition adhesive and to the product thereof. 1,813,387; July 7.
Davidson, Harold B., Louisville, Ky. Method and apparatus for deep well pumping. 1,833,827; Nov. 24.
Davidson, Harry G., Ortega, Fla. Propulsion means for boats. 1,804,323; May 5.
Davidson, Isaac F., Central Point, Oreg. Snowplow. 1,824,662; Sept. 22.
Davidson, John C., Kay Springs, Nebr. License holder. 1,816,671; July 28.
Davidson, John M., Duluth, Minn. Wire clamp. 1,807,898; June 2.
Davidson, John W., et al. (See Albertson, Luther D., assignor.)
Davidson, Joseph G., Yonkers, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Solution of cellulose derivatives. 1,791,301; Feb. 3.
Davidson, Joseph G., Yonkers, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Finish remover. 1,812,321; June 30.
Davidson, Joseph G., Yonkers, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Finish remover. 1,812,322; June 30.
Davidson, Joseph G., Yonkers, N. Y., assignor to Carbide & Carbon Chemicals Corporation. Lacquer and varnish thinner. 1,834,050; Dec. 1.
Davidson, Joseph G., Yonkers, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Lacquer composition. 1,838,368; Dec. 29.
Davidson, Joseph G., Yonkers, N. Y., and E. W. Reid, Pittsburgh, Pa., assignors to Carbide and Carbon Chemicals Corporation. Removing finish coatings. 1,829,583; Oct. 27.
Davidson, Kenneth S. M., Newton Highlands, assignor to Crosby Steam Gage & Valve Co., Boston, Mass. Gauge glass mounting. 1,803,842; May 5.
Davidson, Louis, New York, N. Y. Building construction. 1,795,331; Mar. 10.
Davidson, Louis, Philadelphia, Pa. Boiler. 1,815,882; July 21.
Davidson, Thomas, and W. F. Dixon; said Dixon assignor to Z. Dixon, Sullivan, Ind. Brake. 1,825,332; Sept. 22.
Davidson, Thomas M., Hatch End, England. Rotary retort for the treatment of oil shale and the like. 1,831,704; Nov. 10.
Davidson, Trevor. (See Lehman, W., and Davidson.)
Davidson, Walter C., North Canton, Ohio., assignor to The Hoover Company. Suction cleaner. 1,815,242; July 21.
Davidson, Walter C., North Canton, Ohio, assignor to The Hoover Company. Suction cleaner. 1,837,317; Dec. 22.
Davidson, William D., Los Angeles, assignor to Union Tool Company, Torrance, Calif. Gear-reduction draw works. 1,800,513; Apr. 14.
Davidson, William T., assignor, by mesne assignments, to Struthers Wells-Titusville Corporation, Warren, Pa. Door for retort chambers. 1,833,208; Nov. 24.
Davidson, William W., Evanston, Ill. Rotary pump. 1,828,245; Oct. 20.

D'aviero, Emilio. (See Spino, Camillo, assignor.)
Davies, Charles, New York, N. Y. Ventilator. 1,832,281; Nov. 17.
Davies, Charles W., jr., Minneapolis, Minn. Automatic gasoline dispenser. 1,799,737; Apr. 7.
Davies, Daniel B., Llanishen, Cardiff, and W. Daniel Griffiths, Cardiff, Wales. Block for road surface markings. 1,821,052; Sept. 1.
Davies, David B., Shelton, Wash. Circulating system for pulp digesters. 1,817,129; Aug. 4.
Davies, David P., assignor to J. I. Case Company, Racine, Wis. Tractor. 1,819,640; Aug. 18.
Davies, David R., Didsbury, England, assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,828,522; Oct. 20.
Davies, George, Paddington, and A. H. Ridge and G. Royer, Holborn, London, England. Gas lighter. 1,811,306; June 23.
Davies, Guy C., Rockford, Ill., and D. G. Griswold, Los Angeles, Calif., assignors of forty per cent to said G. C. Davis, Rockford, and sixty per cent to H. L. Offenhiser, Pearl City, Ill. Folding table and bench. 1,821,259; Sept. 1.
Davies, Harold A., Alameda, Calif. Compound pipe tool. 1,797,076; Mar. 17.
Davies, Henry R., Valley Cottage, N. Y., assignor to Industrial Research Corporation, Toledo, Ohio. Starter transmission. 1,795,078; Mar. 3.
Davies, Henry R., Valley Cottage, N. Y., assignor, by mesne assignments, to The Tillotson Manufacturing Company, Toledo, Ohio. Air cleaner. 1,820,530; Aug. 25.
Davies, John B., Crafton, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Medicament applicator. 1,822,566; Sept. 8.
Davies, John B., Crafton, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Medicament applicator. 1,822,567; Sept. 8.
Davies, John D., Scranton, Pa. Rotary abrasive machine. 1,800,341; Apr. 14.
Davies, John H. (See Scott, E. B., and Davies.)
Davies, Rhys, Fort Wayne, Ind. Electrical heater. 1,819,076; Aug. 18.
Davies, Thomas D., and A. S. Johnston, McKeesport, Pa., assignors to National Tube Company. Apparatus for expanding pipe ends. 1,791,887; Feb. 10.
Davies, W. Sanders, et al., trustees. (See Davis, Kenneth, assignor.)
Davies, W. Sanders, et al., trustees. (See Degand, Gust.)
Davila, Ramon. (See González, J. G., and Davila.)
Davis, Albert G., Newton Center, Mass., assignor to The Nevins-Church Press, New York, N. Y. Advertising cuff. 1,837,148; Dec. 15.
Davis, Alex B., Cincinnati, Ohio, assignor, by mesne assignments, to Keystone Watch Case Corporation, Riverside, N. J. Process of and product for photographic etching. 1,797,211; Mar. 17.
Davis, Alex B., Cincinnati, Ohio, assignor to A. B. Dick Company, Chicago, Ill. Compound esters of hydroxy aromatic acids. 1,834,686; Dec. 1.
Davis, Alfred J., assignor of one-fourth to A. Maanum, Minneapolis, Minn., and one-fourth to T. A. Maanum, Braham, Minn. Bottle capper. 1,835,207; Dec. 8.
Davis, Anthony E., Philadelphia, Pa. Wall radiator support. 1,820,560; Aug. 25.
Davis, Anthony E., Philadelphia, Pa. Adjustable wall radiator support. 1,832,858; Nov. 24.
Davis, Anthony E., and J. N. Inman, jr., Philadelphia, Pa. Radiator bracket. 1,811,538; June 23.
Davis, Arthur C., Westminster, London, England. Manufacture of cement and the like. 1,819,739; Aug. 18.
Davis, Arthur P., New York, N. Y. Electric control system. 1,798,592; Mar. 31.
Davis, Arville R., Gainesville, Tex. Trailer hitch. 1,796,085; Mar. 10.
Davis, Augustine, jr. (See Haupt, Walter H., assignor.)
Davis, Augustine, jr. (See Shield, Paul S., assignor.)
Davis, Augustine, jr., Cincinnati, Ohio. Siphon apparatus. 1,789,864; Jan. 20.
Davis, Augustine, jr., Cincinnati, Ohio. Valve actuator. 1,794,155; Feb. 24.
Davis, Augustine, jr., Cincinnati, Ohio. Interlock for truck tanks. 1,799,288; Apr. 7.
Davis Brake Beam Company. (See Haskell, Broderick, assignor.)
Davis, Carl H., assignor to Tubize Chatillon Corporation, New York, N. Y. Textile fabric. Des. 84,229; May 26.
Davis, Carl H., assignor to Tubize Chatillon Corporation, New York, N. Y. Textile fabric. Des. 84,230; May 26.
Davis, Carl H., assignor to Tubize Chatillon Corporation, New York, N. Y. Textile fabric. Des. 84,231; May 26.
Davis, Carl H., assignor to Tubize Chatillon Corporation, New York, N. Y. Textile fabric. Des. 84,232; May 26.
Davis, Carroll C., Belmont, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Heat resistant belting. 1,834,606; Dec. 1.
Davis, Charles, et al. (See Haworth, De Witt C., assignor.)
Davis, Charles H., jr., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition device. 1,836,451; Dec. 15.
Davis, Charles, Neuilly-sur-Seine, France. Face powder box. 1,813,281; July 7.
Davis, Charles A., and F. E. Leahy, Youngstown, Ohio. Furnace for heating sheets and pairs. 1,797,902; Mar. 24.
Davis, Charles C., assignor, by mesne assignments, to St. Joseph Iron Works, St. Joseph, Mich. Reenforced basket bottom. 1,805,687; May 19.
Davis, Charles E., Portland, Oreg. Chain tool. 1,793,590; Feb. 24.
Davis, Charles E., Davenport, Fla., assignor to Goodman Manufacturing Company, Chicago, Ill. Loading apparatus. 1,791,662; Feb. 10.
Davis, Charles E., assignor to Goodman Manufacturing Co., Chicago, Ill. Mining machine. 1,794,367; Mar. 3.
Davis, Charles E., Davenport, Fla., assignor to Goodman Manufacturing Company, Chicago, Ill. Mobile machine. 1,800,379; Apr. 14.
Davis, Charles E., Davenport, Fla., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling loose material. 1,838,214; Dec. 29.
Davis, Chester L., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Glow-discharge device. 1,789,219; Jan. 13.
Davis, Chester L., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Frequency-adjusting means for high-frequency signaling systems. 1,796,863; Mar. 17.
Davis, Clarence D., Los Angeles, Calif. Internal combustion engine. 1,825,263; Sept. 29.
Davis, Clarence R., assignor to Davis Tool & Engineering Company, Detroit, Mich. Garment rack. 1,790,798; Feb. 3.
Davis, Clarence R., assignor to Davis Tool & Engineering Company, Detroit, Mich. Combined shell and shield for automobile radiators. 1,792,078; Feb. 10.
Davis, Clarence S., assignor to The Davis Metal Tie & Rail Clamp Corporation, Buffalo, N. Y. Metallic railway tie and associated parts. 1,791,592; Feb. 10.
Davis, Clarence T., Worcester, Mass., assignor to Royal Worcester Corset Company. Maternity corset. 1,817,408; Aug. 4.
Davis, Claud F., Shadyside, Ohio. Continuous circulating pumps. 1,807,392; May 26.
Davis, Cortland W., Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Blue flame mantle lamps. Re18,061; May 5.
Davis, Darrel W., Cleveland, Ohio. Rumble seat slicker. 1,802,807; Apr. 28.
Davis, Delos A. (See Lowman, Maurice, assignor.)
Davis, Donald C., deceased, Buffalo, by L. Bradshaw, executrix, Buffalo, assignor to The Gould Coupler Company, New York, N. Y. Side bearings. 1,808,839; June 9.
Davis, Durrell H., assignor to Highway Trailer Company, Edgerton, Wis. Auxiliary load support for vehicles. 1,831,441; Nov. 10.
Davis, Earl T., Cuthbert, Ga. Cotton chopper. 1,833,604; Nov. 24.
Davis, Edward D., assignor to The Boye Needle Company, Chicago, Ill. Kitchen utensil. 1,803,006; Apr. 28.
Davis, Edward H., Cincinnati, Ohio. Airplane. 1,830,019; Nov. 3.
Davis, Edward W., Minneapolis, Minn., assignor to Davis Steel Process Corporation. Reducing iron ores. 1,833,320; Nov. 24.
Davis, Edward W., Minneapolis, Minn., assignor to Davis Steel Process Corporation. Operating reverberatory furnaces and smelting ores therein. 1,833,321; Nov. 24.
Davis, Edward W., Minneapolis, Minn., assignor to Davis Steel Process Corporation. Reverberatory smelting furnace. 1,833,322; Nov. 24.
Davis, Elmer D., and R. T. Payne, El Paso, Tex. Electrical fixture and fan support. 1,824,708; Sept. 22.
Davis, Elmer W., Newton, Mass., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Record-file appliance. 1,794,444; Mar. 3.
Davis, Elmer W., Newton, Mass., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Record tray. 1,817,073; Aug. 4.
Davis Engineering Corporation. (See Davis, H. C., and Thompson, assignors.)
Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. Re17,990; Mar. 10.
Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Pressing machine. 1,797,757; Mar. 24.
Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Pressure member for pressing machines. 1,797,758; Mar. 24.
Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Actuating mechanism for pressing machines. 1,800,680; Apr. 14.
Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Washing apparatus. 1,803,897; May 5.
Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Actuating mechanism for pressing machines. 1,805,569; May 19.
Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressing element for laundry and garment pressing machines. 1,805,570; May 19.
Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Counterbalancing mechanism for heads of pressing machines. 1,806,193; May 19.
Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressing machine element. 1,813,610; July 7.
Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Control for fluid motors. 1,819,641; Aug. 18.

Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Pressing machine (pressure adjusting means). 1,820,011; Aug. 25.
Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Motion transmitting mechanism. 1,820,051; Aug. 25.
Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Operating mechanism for pressing machines. 1,820,052; Aug. 25.
Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Actuating mechanism for pressing machines. 1,823,259; Sept. 15.
Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Electric motion transmitting mechanism and controls for pressing machines. 1,823,488; Sept. 15.
Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressing machine element. 1,828,102; Oct. 20.
Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Head checking means for power operated pressing machines. 1,829,394; Oct. 27.
Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressure adjusting means for garment and laundry presses. 1,837,018; Dec. 15.
Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Control mechanism for power pressing machines. 1,838,536; Dec. 29.
Davis, Ernest F., Muncie, Ind. Making splined gears. 1,789,968; Jan. 27.
Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Coupling. 1,796,833; Mar. 17.
Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Pressure regulating valve for lubricating apparatus. 1,801,414; Apr. 21.
Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricant compressor. 1,803,524; May 5.
Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating system. 1,803,601; May 5.
Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricant compressor. 1,806,615; May 26.
Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,807,899; June 2.
Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Coupling. 1,812,038; June 30.
Davis, Ernest W., Oak Park, assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Pressure lubrication system. 1,812,084; June 30.
Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Liquid handling means. 1,812,864; July 7.
Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating system. 1,818,464; Aug. 11.
Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating system. 1,819,280; Aug. 18.
Davis, Ernest W., Oak Park, assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating system and lubricator therefor. 1,819,359; Aug. 18.
Davis, Ernest W., Oak Park, Ill., assignor to Alemite Corporation, Chicago, Ill. Coupling. 1,825,941; Oct. 6.
Davis, Ernest W., Oak Park, assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,830,643; Nov. 3.
Davis, Floyd E., assignor to International Motor Company, New York, N. Y. Spring suspension. 1,789,426; Jan. 20.
Davis, Floyd E., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Six wheel chassis for motor vehicles. 1,815,431; July 21.
Davis, Floyd E., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Spring suspension for six-wheel vehicles. 1,822,131; Sept. 8.
Davis, Floyd E., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Driving sprocket. 1,836,706; Dec. 15.
Davis, Ford C., Akron, Ohio. Garage-door-operating device. 1,795,477; Mar. 10.
Davis, Francis W., Waltham, Mass. Hydraulic steering mechanism. 1,790,620; Jan. 27.
Davis, Frank, Providence, R. I. Bobbin board. 1,797,464; Mar. 24.
Davis, Frank, Brooklyn, N. Y. Protective structure for cashier and teller windows. 1,804,677; May 12.
Davis, Frank G., et al. (See Stover, Frank E., assignor.)
Davis, Frank K., Silver Springs, Md., and C. C. Taylor, Washington, D. C., assignors to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and card-perforating machine. 1,818,045; Aug. 11.
Davis, Frank K., assignor of one-half to W. W. Bishop, Muncie, Ind. Invalid lifter and carrier device. 1,823,425; Sept. 15.
Davis, Frank P. C., assignor to The Lawrence Products Company, Incorporated, Kelso, Wash. Medical powder applicator. 1,827,463; Oct. 13.
Davis, Frank S. (See Beatty, W. T., Davis, and Wilson.)
Davis, Frank S., Homewood, and L. S. Burns, Harvey, assignors to Austin Manufacturing Co., Chicago, Ill. Rigid frame double cranking motor grader. 1,803,099; Apr. 28.
Davis, Frank W. (See De Baufre, W. L., and Davis.)
Davis, Frederick W., Kansas City, Mo., deceased; R. A. Davis, administratrix. Shock absorber. 1,821,142; Sept. 1.
Davis & Furber Machine Company. (See Ambye, Anthon, assignor.)
Davis & Furber Machine Company. (See Dutton, William A., assignor.)
Davis & Furber Machine Company. (See Gourdeau, John G., assignor.)
Davis & Furber Machine Company. (See Owen, Henry A., assignor.)
Davis & Furber Machine Company. (See Owen, H. A., and Ambye, assignors.)
Davis, Glenn L. (See Peters, R. F., and Davis.)
Davis, Glenwood, Pocatello, assignor of one-half to H. G. A. Winter, American Falls, Idaho. Coupling. 1,788,565; Jan. 13.
Davis, G. M., Regulator Company. (See Davis, George C., assignor.)
Davis, G. M., Regulator Company. (See Hachmeister, George J., assignor.)
Davis and Gant Manufacturing Co., The. (See Davis, Harold G., assignor.)
Davis, Garland H. B., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon oil and manufacturing the same. 1,815,022; July 14.
Davis, George C., assignor to G. M. Davis Regulator Company, Chicago, Ill. Valve housing. 1,806,791; May 26.
Davis, George C., Dallas, Tex., assignor to The B. F. Goodrich Company, New York, N. Y. Conveyer. 1,812,287; June 30.
Davis, Guy C., et al. (See Davis, G. C., and Griswold, assignors.)
Davis, Hallard C., Winner, S. Dak. Dispenser. 1,796,086; Mar. 10.
Davis, Harlow M., Buffalo, N. Y. Advertising device. 1,818,538; Aug. 11.
Davis, Harold G., Denver, Colo. Steering device for aeroplanes. 1,822,082; Sept. 8.
Davis, Harold G., assignor to The Davis and Gant Manufacturing Co., Denver, Colo. Faucet. 1,807,970; June 2.
Davis, Harold S., Belmont, Mass., assignor, by mesne assignments, to Petroleum Chemical Corporation, New York, N. Y. Preparation of alcoholic derivatives of olefine bearing substances. 1,790,518; Jan. 27.
Davis, Harold S., Belmont, Mass., assignor, by mesne assignments, to Petroleum Chemical Corporation, New York, N. Y. Recovery of unsaturated hydrocarbons and their derivatives from mixtures containing the same. 1,790,519; Jan. 27.
Davis, Harold S., Belmont, Mass., assignor, by mesne assignments, to Petroleum Chemical Corporation, New York, N. Y. Preparation of secondary alkyl sulphates. 1,790,520; Jan. 27.
Davis, Harold S., Belmont, and W. J. Murray, Reading, Mass., assignors, by mesne assignments, to Petroleum Chemical Corporation, New York, N. Y. Preparation of olefine derivatives. 1,790,517; Jan. 27.
Davis, Harold S., Belmont, and C. G. Harford, Watertown, Mass., assignors, by mesne assignments, to Petroleum Chemical Corporation, New York, N. Y. Production of useful esters of organic acids and olefines. 1,790,521; Jan. 27.
Davis, Harold S., Belmont, and W. J. Murray, Reading, Mass., assignors, by mesne assignments, to Petroleum Chemical Corporation, New York, N. Y. Olefine-containing product. 1,790,522; Jan. 27.
Davis, Harold S., Belmont, and W. J. Murray, Reading, Mass., assignors, by mesne assignments, to Petroleum Chemical Corporation, New York, N. Y. Manufacture of secondary amyl alcohol. 1,790,523; Jan. 27.
Davis, Harold S., Belmont, and W. J. Murray, Reading, Mass., assignors, by mesne assignments, to Petroleum Chemical Corporation, New York, N. Y. Apparatus for fractionation of certain hydrocarbons. 1,824,947; Sept. 29.
Davis, Harry A. (See Andre, F. V., and Davis.)
Davis, Harry A. (See Trevett, E. H., and Davis.)
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Whip-roll construction for looms. 1,790,201; Jan. 27.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading loom shuttle. 1,791,805; Feb. 10.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Cloth-splitting attachment for looms. 1,792,460; Feb. 10.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Filling fork and grid mechanism for looms. 1,795,841; Mar. 10.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Shuttle check for looms. 1,801,542; Apr. 21.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Beam hoist for looms. 1,817,894; Aug. 4.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Self-threading shuttle. 1,817,895; Aug. 4.

Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Harness leveling mechanism. 1,819,543; Aug. 18.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Let off mechanism for looms. 1,827,712; Oct. 13.
Davis, Harry F. (See Davis, Samuel M. and H. F.)
Davis, Harry G., Philadelphia, Pa., assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Method and apparatus for making paper vessels. 1,799,357; Apr. 7.
Davis, Helen, assignor to The Helen Davis Cap Co., Topeka, Kans. Meshed head piece. 1,809,511; June 9.
Davis, Helen, Cap Co., The. (See Davis, Helen, assignor.)
Davis, Henry F., Walters, Okla. Flytrap. 1,826,746; Oct. 13.
Davis, Herbert L. (See Glidden, A. A., Knowland, and Davis.)
Davis, Howard C., Elizabeth, and W. H. Thompson, Chatham, N. J., assignors to Davis Engineering Corporation. Heat exchanger. 1,826,747; Oct. 13.
Davis, Ira G., assignor to South Tamworth Industries, Inc., South Tamworth, N. H. Knocker. Des. 83,093; Jan. 20.
Davis, Isadore, Marshalltown, Iowa. Making sheet roofing. 1,826,706; Oct. 13.
Davis, James C., Chicago, Ill. Producing differentially-tempered metal. 1,794,445; Mar. 3.
Davis, James C., Chicago, Ill. Car wheel mold. 1,802,706; Apr. 28.
Davis, James H., assignor to The Moraine Products Company, Dayton, Ohio. Manufacture of powdered metals. 1,834,687; Dec. 1.
Davis, Joe B., Los Angeles, Calif. Telephone system for railroads. 1,834,303; Dec. 1.
Davis, John B., Springfield, assignor to Gilbert & Parker Manufacturing Company, West Springfield, Mass. Liquid-dispensing apparatus. 1,791,195; Feb. 3.
Davis, John C., Wyoming, Ohio. Organ. 1,793,592; Feb. 24.
Davis, John H., Sioux City, Iowa. Anti-thumb-sucking device. 1,794,515; Mar. 3.
Davis, John H., Stockton, Calif. Control structure for plows. 1,823,969; Sept. 22.
Davis, John H., Watertown, assignor to Renaud et Cie. of America, Boston, Mass. Bottle. Des. 84,683; July 21.
Davis, John P., assignor to The Kennedye Corporation, St. Louis, Mo. Rotary well-drilling tool. 1,799,411; Apr. 7.
Davis, John W. (See Decker, S. K., Johnson, Davis, and Junor.)
Davis, John W., Washington, D. C., and W. L. De Baufre, Lincoln, Nebr. Liquefaction apparatus. 1,823,388; Sept. 15.
Davis, Joseph G., Arlington, Tex. Motor vehicle head lamp. 1,812,935; July 7.
Davis, Joseph R., Clarksburg, W. Va. Internal combustion engine. 1,807,832; June 2.
Davis, Kenneth, St. Benedict, Pa., assignor, by mesne assignments, to R. Peale, W. S. Davies, and W. B. Oakes, trustees. Distant control for automotive machines and material-handling machines. 1,794,446; Mar. 3.
Davis, Kenneth, assignor to Rembrandt Peale, St. Benedict, Pa., W. Sanders Davies, New York, N. Y., and W. B. Oakes, Rutherford, N. J., as trustees. Automotive machine and distant control therefor. 1,812,085; June 30.
Davis, Kenneth, St. Benedict, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Method and mechanism for separating intermixed divided materials. 1,817,296; Aug. 4.
Davis, Kenneth, Ebensburg, Pa., assignor to R. Peale, R. Peale, and R. Peale, jr., trustees. Mechanism and method for separating intermixed divided material. 1,799,289; Apr. 7.
Davis, Kenneth, Ebensburg, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Process and mechanism for separating intermixed divided materials. 1,817,297; Aug. 4.
Davis, Kenneth, Ebensburg, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Process and mechanism for separating intermixed divided materials. 1,817,298; Aug. 4.
Davis, Kenneth, Ebensburg, Pa., assignor, by mesne assignments to Peale-Davis Company, Wilmington, Del. Mechanism for separating intermixed divided materials. 1,819,996; Aug. 18.
Davis, Kenneth, Ebensburg, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Process and mechanism for separating intermixed divided materials. 1,822,840; Sept. 8.
Davis, Kenneth, Ebensburg, Pa,. assignor by mesne assignments, to Peale-Davis Company, Wilmington, Del. Process and mechanism for separating intermixed divided materials. 1,823,848; Sept. 15.
Davis, Kenneth, Pittsburgh, Pa. Combined trolley frog and line section switch. 1,806,842; May 26.
Davis, Kenneth, assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Mechanism and separating intermixed divided materials. 1,819,995; Aug. 18.

Davis, Lee I., New York, D. C. Larson, and G. W. Lautrup, Yonkers, assignors to Otis Elevator Company, New York, N. Y. Temperature compensator for dynamo-electric machines. 1,837,951; Dec. 22.
Davis, Lester M., Tacoma, Wash. Spoon hook. 1,803,056; Apr. 28.
Davis, Lewis G., Rockford, Ill. Molding machine. 1,790,408; Jan. 27.
Davis, Lewis H. (See Kingsford, R. T., and Davis.)
Davis, Lewis H., assignor to Delco Products Corporation, Dayton, Ohio. Anchoring device. 1,831,098; Nov. 10.
Davis, Lewis J., Brooklyn, N. Y. Brake shoe holder. 1,809,745; June 9.
Davis, Lloyd L., assignor to Draper Corporation, Hopedale, Mass. Reed positioning device for looms. 1,833,279; Nov. 24.
Davis, Maurice E., Grand Rapids, Mich., assignor, by mesne assignments, to Leo Meyer Company, Akron, Ohio. Method and machine for reclaiming rubber and fabric from tire beads. 1,805,688; May 19.
Davis, McClellan, Portland, Ore. Aeroplane control device. 1,827,933; Oct. 20.
Davis, Merle H., U. S. Army, and D. L. Woodberry, Edgewood Arsenal, Md. 1,791,716; Feb. 10.
Davis Metal Tie & Rail Clamp Corporation, The. (See Davis, Clarence S., assignor.)
Davis, Michael J., Brooklyn, N. Y. Alarm signal. 1,810,162; June 16.
Davis, Michael J., Brooklyn, N. Y. Attachment for internal combustion engines. 1,814,370; July 14.
Davis, Neville R., Sale, England, assignor to Westinghouse Electric & Manufacturing Company. Induction furnace. 1,795,842; Mar. 10.
Davis, Neville R., Ashton Lane, Sale, England, assignor to Westinghouse Electric & Manufacturing Company. Induction furnace. 1,795,935; Mar. 10.
Davis, Neville R., and C. R. Burch, Manchester, England, assignors to Westinghouse Electric and Manufacturing Company. Induction furnace. 1,795,934; Mar. 10.
Davis, Neville R., Sale, and P. G. H. Burbridge, Manchester, England, assignors to Westinghouse Electric and Manufacturing Company. Induction furnace. 1,802,707; Apr. 28.
Davis, Neville R., Sale, M. J. Marchbanks and J. H. Ludlow, Manchester, England, assignors to Westinghouse Electric and Manufacturing Company. Induction furnace. 1,810,820; June 16.
Davis, Neville R., Woodcourt, Brooklands, England, assignor to Westinghouse Electric & Manufacturing Company. Induction furnace. 1,823,970; Sept. 22.
Davis, Neville R., Sale, England, assignor to General Electric Company. Furnace tapping device. 1,833,739; Nov. 24.
Davis, Norman E., Chelmsford, and W. T. Ditcham, Colchester, England, assignors to Radio Corporation of America. Wireless transmitter. 1,819,596; Aug. 18.
Davis, Orin C., Manistee, Mich. Plier wrench. 1,796,888; Mar. 17.
Davis, Paul A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Treating rubber compounds. 1,823,855; Sept. 15.
Davis, Philip L., and J. J. Raphael, assignors to Keystone Transportation Company, Inc., New York, N. Y. Automobile roof-rail lamp or article of similar nature. Des. 83,662; Mar. 17.
Davis, Philip L., and J. J. Raphael, assignors to Keystone Transportation Company, Inc., New York, N. Y. Automobile visor rate sign or article of similar nature. Des. 83,663; Mar. 17.
Davis, Philip W., Cambridge, Mass. Refining lead. 1,809,835; June 16.
Davis, R. Benjamin, et al. (See Dugan, Thomas, assignor.)
Davis, Ralph E., Baker, Oreg. Antiskid calk for tractor belts. 1,822,132; Sept. 8.
Davis, Ray L., Wheeling, W. Va. Working barrel packing means. 1,828,050; Oct. 20.
Davis, Ray L., deceased; Security Trust Company, executor, assignor to S. K. Frank, Wheeling, W. Va. Apparatus for actuating rotary movements of lamps and the like. 1,833,156; Nov. 24.
Davis, Raymond G., Marshall, Tex., and M. T. Sanders, assignors to Darco Corporation, Wilmington, Del. Activation of carbon. 1,810,871; June 16.
Davis, Rebecca A., administratrix. (See Davis, Frederick W., assignor.)
Davis, Rex E. (See McFarland, D. F., and Davis.)
Davis, Richard C. (See Carpenter, W. W., Dahl, Davis, and Kittredge.)
Davis, Richard C. (See Dahl, J. F., and Davis.)
Davis, Richard F., Berkeley, assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Treating hydrocarbons. 1,829,213; Oct. 27.
Davis, Richard S., Baltimore, Md. Rotary engine valve. 1,826,461; Oct. 6.
Davis, Robert, Brooklyn, N. Y. Shoe. 1,795,276; Mar. 3.
Davis, Robert, Brooklyn, and W. Heim, Bellerose, N. Y. Shoe manufacture. 1,800,720; Apr. 14.
Davis, Robert B. (See Dugan, Thomas, assignor.)
Davis, Robert H., London, England. Breathing apparatus. 1,814,506; July 14.

Davis, Robert L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Television. 1,797,259; Mar. 24.
Davis, Robert L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. High frequency radio circuits. 1,832,621; Nov. 17.
Davis, Robert L., Pittsburgh, and C. W. Horn, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Radio transmitting system. 1,798,660; Mar. 31.
Davis, Robert L., Pittsburgh, Pa., and D. G. Little, Long Meadow, Mass., assignors to Westinghouse Electric and Manufacturing Company. Amplifier. 1,806,281; May 19.
Davis, Roy J., and G. E. Watts, Portland, Oreg. Aeroplane hatch coaming. 1,820,053; Aug. 25.
Davis, Roy P. M., Mount Union, Pa. Brickmaking machine. 1,803,546; May 5.
Davis, Roy P. M., Mount Union, Pa. Brick making machine. 1,819,740; Aug. 18.
Davis, Roy P. M., Mount Union, Pa. Brick making machine. 1,819,741; Aug. 18.
Davis, Samuel M., Altoona, Pa. Window blind and curtain fixture. 1,814,204; July 14.
Davis, Samuel M., Altoona, Pa. Window blind and curtain fixture. 1,831,948; Nov. 17.
Davis, Samuel M. and H. F., Bellwood, Pa. Window blind and curtain fixture. 1,814,205; July 14.
Davis, Sewell W., assignor to Polly Wiggin, Inc., Newark, N. J. Can opener. 1,795,478; Mar. 10.
Davis, Sidney H., C. O. Anderson, Baxter Springs, Kans., W. N. Smith, Platteville, Wis. and H. R. Hanley, Rolla, Mo., assignors to The Century Zinc Company. Electroplating zinc on iron or steel. 1,795,079; Mar. 3.
Davis, Sidney H., C. O. Anderson, Baxter Springs, Kans., W. N. Smith, Platteville, Wis., and H. R. Hanley, Rolla, Mo., assignors to The Century Zinc Company. Electroplating zinc on iron or steel. 1,795,080; Mar. 3.
Davis, Sidney H., C. O. Anderson, R. J. Stengl, Baxter Springs, Kans., W. N. Smith, Platteville, Wis., and H. R. Hanley, Rolla, Mo., assignors to The Century Zinc Company. Electroplating zinc on ferrous articles. 1,795,081; Mar. 3.
Davis, Sidney H., C. O. Anderson, R. J. Stengl, Baxter Springs, Kans., W. N. Smith, Platteville, Wis., and H. R. Hanley, Rolla, Mo., assignors to The Century Zinc Company. Method of and apparatus for electroplating pipe. 1,836,579; Dec. 15.
Davis, Simon E. (See Francisco, George H., assignor.)
Davis, Stanley H., Toledo, Ohio, assignor to Stokes and Smith Company, Philadelphia, Pa. Wrapper-gumming and delivery system. 1,818,198; Aug. 11.
Davis, Stanley H., Toledo, E. L. Curtis, and W. T. Schleicher, assignors to The American Crayon Company, Sandusky, Ohio. Cardboard-box element. 1,792,679; Feb. 17.
Davis Steel Process Corporation. (See Davis, Edward W., assignor.)
Davis, Stuart. (See Fenn, L. C., and Davis.)
Davis, Tenney L., and E. H. Huntress, Cambridge, Mass., assignors to Swann Research, Inc. Preparation of diazonium perchlorates of aminodiphenyl. 1,828,960; Oct. 27.
Davis, Thomas A. (See Watson, Alec V., assignor.)
Davis, Thomas R., Fairfield, Conn., assignor to The Eastern Malleable Iron Co., Bridgeport, Conn. Parking sign. 1,788,232; Jan. 6.
Davis, Timothy S., Toledo, Ohio, and L. Houston, Milwaukee, Wis. Ironing machine. 1,790,976; Feb. 3.
Davis Tool & Engineering Company. (See Davis, Clarence R., assignor.)
Davis, Trayharn, Berkeley, Calif. Disappearing rotary hydrocarbon fuel burner. 1,826,995; Oct. 13.
Davis, Vernon J., Buffalo, N. Y. Molding. 1,804,400; May 12.
Davis, Vernon J., Buffalo, N. Y. Molding apparatus and equipment for forming the same. 1,804,401; May 12.
Davis, Vernon J., Buffalo, assignor to American Radiator Company, New York, N. Y. Shake-out apparatus. 1,817,613; Aug. 4.
Davis, Walter T., Parkersburg, W. Va. Plant protector. 1,805,571; May 19.
Davis, Walter T., Parkersburg, W. Va. Plant protector. 1,828,031; Oct. 20.
Davis, William A., Malden, assignor to Babcock-Davis Corporation, Boston, Mass. Stair construction. 1,789,969; Jan. 27.
Davis, William H. (See Neal, Walter V., assignor.)
Davis, William H. H., San Francisco, Calif. Protector. 1,820,783; Aug. 25.
Davis, William I., Campbell, assignor, by mesne assignments, to E. D. Grace, Poplar Bluffs, Mo. Individual mausoleum. 1,815,883; July 21.
Davis, William J., Windfall, assignor to J. F. Heath, Tipton, Ind. Fence protector. 1,801,415; Apr. 21.
Davis, William L. (See Williams, A. O., and Davis.)
Davis, William N., assignor to General Motors Corporation, Detroit, Mich. Tool box. 1,798,930; Mar. 31.
Davis, William R., Westfield, N. J. Device for cleaning smoking pipes. 1,796,188; Mar. 10.
Davison, Dorsett A., and G. E. Davison, assignors to The Davison Engineering Corporation, Richmond, Va. Internal combustion engine. 1,812,323; June 30.
Davison Engineering Corporation, The. (See Davison, D. A. and G. E., assignors.)
Davison, George E. (See Davison, D. A. and G. E.)
Davison, Vivian K. (See Carman, W. H., and Davidson.)
Davitt, John W., Jersey City, N. J. Apparatus for weighing the ingredients of paving materials prior to the mixing thereof. 1,833,775; Nov. 24.
Davol, Harry A., Methuen, Mass., assignor, by mesne assignments, to U. S. Bobbin & Shuttle Company, 1929, Providence, R. I. Yarn tension for shuttles. 1,789,517; Jan. 20.
Davol, Harry A., Methuen, Mass., assignor to U. S. Bobbin & Shuttle Company 1929, Providence, R. I. Friction device for shuttles. 1,821,830; Sept. 1.
Davoran, Michael F., assignor to The Crane & Breed Casket Company, Cincinnati, Ohio. Burial vault or article of similar nature. Des. 83,429; Feb. 24.
Davy, Christopher H., Beckenham, England, assignor, by mesne assignments, to Fuller Lehigh Company. Furnace. 1,796,284; Mar. 17.
Davy, Christopher H., Beckenham, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Dry pipe. 1,803,381; May 5.
Davy, Christopher S. (See Baker, H. H., and Davy.)
Davy, Christopher S., London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Air heater. 1,789,401; Jan. 20.
Davy, Lynden N., Butte, Mont. Fan blade. 1,820,448; Aug. 25.
Daw, Joseph, Quebec, C. A. Johnson, La Tuque, Quebec, Canada, and M. Packard, assignors to Brown Company, Berlin, N. H. Log-sorting apparatus. 1,792,482; Feb. 17.
Dawans, Adrien, Brussels, Belgium. Apparatus for melting finely divided materials. 1,807,307; May 26.
Dawe, Charles C., Denver, Colo. Fattening feed. 1,831,164; Nov. 10.
Dawkins, Thomas L., Santa Barbara, Calif. Stop signal. 1,796,005; Mar. 10.
Dawley, Archie N., Tonkawa, Okla. Pumping apparatus. 1,821,143; Sept. 1.
Dawley, James C., assignor to The Joyce-Cridland Company, Dayton, Ohio. Lifting and lowering mechanism. 1,799,581; Apr. 7.
Dawson, Baylis M., Newton, Mass., assignor, by mesne assignments, to F. Ziegler, jr., New York, N. Y. Colloidal mill. 1,807,773; June 2.
Dawson, Clarence N. (See Dawson, Isaac L., C. N., and R. W.)
Dawson, Comer A., Greenville, S. C. Cabinet. 1,799,547; Apr. 7.
Dawson, Edward S., jr., Schenectady, N. Y., assignor to General Electric Company. Resinous condensation product and preparation. 1,803,174; Apr. 28.
Dawson, Elma N. (See Dawson, James C., assignor.)
Dawson, George H., Cambridge, Mass., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Visible index. 1,801,804; Apr. 21.
Dawson, George H., Cambridge, Mass., assignor to Wilson-Jones Company, Chicago, Ill. Drawer pull and label holder. 1,827,934; Oct. 20.
Dawson, George H., Cambridge, Mass., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Overlapping visible index. 1,834,204; Dec. 1.
Dawson, George H., Cambridge, Mass., assignor to Wilson-Jones Company, Chicago, Ill. Drawer pull and label holder. 1,838,369; Dec. 29.
Dawson, Haller H., and I. H. Freese, Clarksburg, L. P. Dawson, executrix of said Haller H. Dawson, deceased, assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Fitter or shaper for glass articles. 1,816,280; July 28.
Dawson, Herbert. (See Hallstead, L. A., and Dawson.)
Dawson, Hilarion D., Anderson, assignor to Delco-Remy Corporation, Anderson, Ind. Switch. 1,835,019; Dec. 8.
Dawson, Howard D., et al. (See Stanaway, William E., assignor.)
Dawson, Isaac L., C. N., and R. W., Lawrence, Kans. Conveying mechanism for shocking machines. 1,797,051; Mar. 17.
Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose leaf binder mechanism. 1,826,707; Oct. 13.
Dawson, John H., Rockville, Md. Bottle. 1,832,806; Nov. 17.
Dawson, Joseph C., London, England, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Folding machine. 1,799,412. Apr. 7.
Dawson, Joseph W. (See Herold, J. L., and Dawson.)
Dawson, Leo H., Washington, D. C. Television scanning device. 1,825,781; Oct. 6.
Dawson, Lula P., executrix. (See Dawson, H. H., and Freese.)
Dawson Manufacturing Company. (See Clayburgh, Harry C., assignor.)
Dawson, Raymond W. (See Dawson, Isaac L., C. N., and R. W.)
Dawson, Robert. (See Kershaw, J. G., and Dawson.)
Dawson, Walter S. (See Peacock, Edward, assignor.)
Dawson, Wilfred, London, England. Electric lamp. 1,806,843; May 26.
Day, Albert B., Providence, R. I. Garment. 1,833,109; Nov. 24.

Day, Alfred C., assignor to G. & D. Manufacturing Company Proprietary Limited, Melbourne, Australia. Machine for feeding tacky glutinous material. 1,795,012; Mar. 3.
Day, C. H. (See Dunlap, Sylvester M., assignor.)
Day, Caro L., and D. J. Bernard, Palestine, Tex. Fertilizer distributor. 1,798,069; Mar. 24.
Day, Charles H., Portland, Oreg. Hand truck. 1,800,679; Apr. 14.
Day, Charles L. (See Rinehart, E., Day, and McManus.)
Day, Charles M. (See McClellan, L. N., Kinzie, Savage, and Day.)
Day, Clayton L., New York, N. Y., and L. McDonald, Chicago, Ill., assignors to Chicago Bridge & Iron Co. Container for gases and volatile liquids. 1,814,130; July 14.
Day, Dana C., assignor to Monical Manufacturing Company, Los Angeles, Calif. Flash light. 1,800,885; Apr. 14.
Day, David L. (See Bacon, F. J., and Day.)
Day, Edmund L., Westline, Pa. Destructive distillation apparatus. 1,820,600; Aug. 25.
Day, Fred, Alcester, S. Dak. Carburetor for internal combustion engines. 1,825,717; Oct. 6.
Day, Fred A., Columbus, Ohio. Heel breasting machine. 1,807,153; May 26.
Day, Fred A., Cincinnati, Ohio, assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Heel breasting machine. Re18,199; Sept. 22.
Day, Fred J. (See Barstow, W., and Day.)
Day, Fred J., Los Angeles, Calif. Cooling apparatus. 1,805,809; May 19.
Day, Fred J., Los Angeles, Calif. Apparatus for preripening or retarding perishable food products. 1,825,385; Sept. 29.
Day, Fred J., assignor to Pre-Cooling Car Service Co., Los Angeles, Calif. Equipment for treating perishable products. 1,811,496; June 23.
Day, George H., and B. M. Tapner, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,793,211; Feb. 17.
Day, Gustavus L., Mendham, N. J. Portable hose bridge. 1,838,746; Dec. 29.
Day, Harry V. (See Harvey, R., and Day.)
Day, Howard D., assignor to Roterkleen Manufacturing Company, Providence, R. I. Cleaning machine. 1,796,704; Mar. 17.
Day, Ira W., assignor to Associated Manufacturers Corporation of America, Waterloo, Iowa. Electric welding including the employment of an air current. 1,807,971; June 2.
Day, J. H., Company, The. (See Kirchhoff, William G., assignor.)
Day, J. H., Company, The. (See Schiff, Sigmund, assignor.)
Day, J. H., Company, The, et al. (See Sisson, Orville, assignor.)
Day, James D. (See Henry, H., and Day.)
Day, Leonard. (See Ames, S. L., and Day.)
Day & Night Novelty Ads Limited. (See Cassels, Arnold V., assignor.)
Day, Ralph B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Heat-dissipating device for road vehicles. 1,792,823; Feb. 17.
Day, Ralph B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Preventing overheating of rubber in screw-type extruding machines. 1,800,180; Apr. 7.
Day, Richard W., Seattle, Wash. Electric signal. 1,836,452; Dec. 15.
Day, Roland B., New York, N. Y. Producing carbon black and apparatus therefor. 1,804,249; May 5.
Day, Roland B., Los Angeles, Calif. Bubble-cap. 1,821,619; Sept. 1.
Day, Stanley W. (See Johnson, L. E., and Day.)
Day, William B., Lexington, Ky., assignor to John S. McCarthy, Weehawken, N. J. Automatic refrigerating system. Re18,263; Nov. 24.
Day, William H., East Haven, Conn., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index or file. 1,817,031; Aug. 4.
Day, William H., East Haven, Conn., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index or file. 1,821,293; Sept. 1.
Day, William H., East Haven, Conn., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index or file. 1,837,019; Dec. 15.
Day, William O., O. Locka, and F. S. Martin, Coral Gables, Fla. Flexible coupler for trailers. 1,796,087; Mar. 10.
Daylectric System Ltd. (See Palmer, Henry K., assignor.)
D'Ayrenx, Albert, C. Cépède, and L. Ratore, Paris, France. Aseptic toothbrush. Des. 84,131; May 12.
Dayton Beater and Hoist Company. (See Folsom, Clarence P., assignor.)
Dayton Engineering Laboratories Company, The. (See Ahlers, Robert H., assignor.)
Dayton, James M., Torrington, Conn. Counting and indicating device. 1,826,603; Oct. 6.
Dayton, James M., Torrington, Conn. Compensating device. 1,826,604; Oct. 6.
Dayton Mfg. Company, The. (See Schumacher, John C., assignor.)
Dayton, Max E. (See Cooke, G. G., and Dayton.)
Dayton Pump and Mfg. Co., The. (See Eickmeyer, Earl E., assignor.)
Dayton Racquet Company. (See Allen, Samuel C., assignor.)
Dayton Scale Company. (See Boyer, Frederick G. L., assignor.)
Dayton Scale Company. (See Bryce, James W., assignor.)
Dayton Scale Company. (See Carroll, Fred M., assignor.)
Dayton Scale Company. (See Ehret, Clement, assignor.)
Dayton Scale Company, The. (See Folker, Harold, assignor.)
Dayton Scale Company. (See Fuller, Frederick L., assignor.)
Dayton Scale Company. (See Gilbert, William N., assignor.)
Dayton Scale Company. (See Gullberg, Roy K., assignor.)
Dayton Scale Company. (See Gumprich, William, assignor.)
Dayton Scale Company. (See Hopkinson, Joseph, assignor.)
Dayton Scale Company. (See Rogers, Joseph E., assignor.)
Dayton Scale Company. (See Rouleau, Wilfred J., assignor.)
Dayton Scale Company. (See Von Pein, Edward J., assignor.)
Dayton Specialty Machine Company. (See Blesi, Frederick J., assignor.)
Dayton Steel Foundry Company, The. (See Walther, George, assignor.)
Dayton Steel Racquet Company, The. (See Allen, Samuel C., assignor.)
Dayton Synthetic Chemicals, Inc. (See Thomas C. A., and Hochwalt, assignors.)
Dayton, William L., assignor of one-half to J. M. Scott, Fort Worth, Tex. Air compressor. 1,834,688; Dec. 1.
Deach, Miles F., Oakland, Calif. Cigarette holder. 1,834,518; Dec. 1.
Deacon, Sidney R., Los Angeles, Calif. Rail crossover. 1,799,888; Apr. 7.
Deagan, J. C., Inc. (See Schluter, Henry J., assignor.)
Deakin, Gerald, New York, N. Y., and L. Polinkowsky, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Switching arrangement for automatic and semiautomatic telephone systems. 1,830,935; Nov. 10.
Deakins, Grover C., Anaheim, assignor, by mesne assignments, to J. Grant, Los Angeles, Calif. Underreamer. 1,812,039; June 30.
Deal, Edwin T., Aldan, assignor to The J. G. Brill Company, Philadelphia, Pa. Chair. 1,815,836; July 21.
Dealers Motor Transport Inc. (See McCrea, John E., assignor.)
Dean, Alexander R., Tulsa, Okla. Running board ice holder. 1,835,935; Dec. 8.
Dean Brothers Company. (See Dean, Stuart, assignor.)
Dean, Charles A., Coalinga, Calif. Rotary drill bit. 1,814,296; July 14.
Dean, Charles L. (See Gildersleeve, A. M., and Dean.)
Dean, Charles L., F. A. Lockwood, and G. B. Richie, Denver, Colo., assignors, by mesne assignments, to W. A. Trout, Los Angeles, C. R. Butler and C. A. Rasmussen, Long Beach, Calif. Pipe-suspension device. 1,795,713; Mar. 10.
Dean, Charles M., Elmira, N. Y. Control for fire apparatus and the like. 1,798,070; Mar. 24.
Dean, Dale W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,792,287; Feb. 10.
Dean, Dale W., Wilkingsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,795,014; Mar. 3.
Dean, Daniel A., Enid, Okla. Apparatus for cracking hydrocarbon oils. 1,835,383; Dec. 8.
Dean, Fay W., executor. (See Dean, Mark.)
Dean, Frederick R., assignor to The Goodyear's India Rubber Glove Mfg. Company, Naugatuck, Conn. Blank-forming apparatus and method. 1,797,568; Mar. 24.
Dean, George E., assignor to C. G. Willett, Grand Rapids, Mich. Hydraulic road scraper. 1,793,066; Feb. 17.
Dean, Harrie J., Lakewood, Ohio. Apparatus for photographing. 1,837,704; Dec. 22.
Dean Hill Pump Company. (See Schleyer, Victor, assignor.)
Dean, James H., Ludington, Mich., and G. W. Baker, assignors, by mesne assignments, to United States Gypsum Company, Chicago, Ill. Belt tightener for machines for expanding metal. 1,787,514; Jan. 6.
Dean, John, assignor to John Aster Manufacturing Company, Racine, Wis. Razor. 1,792,415; Feb. 10.
Dean, Malichi F., Talladega, Ala. Sign for vehicles. Des. 83,513; Mar. 3.
Dean, Marcus, Aitkin, Minn. Governor throttle. 1,794,835; Mar. 3.
Dean, Mark, Newark, N. J., F. W. Dean, executor of said Mark Dean, deceased. Electrofluid valve. 1,808,765; June 9.
Dean, Reginald S., and R. V. Wilson, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Soldering flux. 1,838,370; Dec. 29.
Dean, Seward A., Hastings, Minn. Typewriter. 1,832,622; Nov. 17.

Dean, Stuart, assignor to Dean Brothers Company, Indianapolis, Ind. Straight-line mechanism. 1,793,781; Feb. 24.
Dean, Stuart, assignor to Dean Brothers Company, Indianapolis, Ind. Pump mechanism. 1,816,517; July 28.
Dean, Walter C., assignor to Union Steel Products Company, Albion, Mich. Poultry coop or crate. 1,807,972; June 2.
Dean, William E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,793,593; Feb. 24.
Dean, William E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air purifier. 1,824,037; Sept. 22.
De Andia-Yrarrázaval, Gabriel G., Paris, France. Sound amplifying horn. 1,816,722; July 28.
De Andia-Yrarrázaval, Gabriel G., London, England. Wireless loud speaker and the like. 1,817,354; Aug. 4.
Deane, Gerard C., Yonkers, N. Y. Carton. 1,803,239; Apr. 28.
Deane, Herbert C., assignor of one-half to G. J. Field, Salt Lake City, Utah. Container. 1,798,071; Mar. 24.
Deans, Frank B. (See Keen, J. S., and Deans.)
Dear, Russell, assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Winding device. 1,807,199; May 26.
Dear, William Y., trustee. (See Trist, Arthur R., assignor.)
Dearborn, Clinton H., Hampton, Va., assignor to A C Spark Plug Company, Flint, Mich. Air cleaner for crank-case ventilation. 1,792,824; Feb. 17.
Dearborn, Richard J., Summit, N. J., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Decomposing organic materials. 1,828,998; Oct. 27.
Dearborn, Richard J., Summit, N. J., and G. W. Gray, New York, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Decomposing organic materials. 1,814,621; July 14.
Dearborn, Richard J., Summit, N. J., and W. K. Holmes, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Treating hydrocarbon oil. 1,815,050; July 21.
Deardon, Arthur V., et al., executors. (See Callahan, Michael J.)
Deardorf, Lee M., Hicksville, assignor to The Huber Manufacturing Company, Marion, Ohio. Grade gauger. 1,829,953; Nov. 3.
Deardorff, Ralph W., Kensington, Calif., assignor to American Telephone and Telegraph Company. Measuring system. 1,814,898; July 14.
Deardorff, Ralph W., Contra Costa County, Calif. Electromagnetic wave explorer. 1,838,371; Dec. 29.
Dearing, Joseph W., Cleveland, Ohio, assignor, by mesne assignments, to Springfield Lumber Company, Springfield, Ill. Self sealing valve control. 1,810,877; June 16.
Dearinger, Frank J. (See McCormick, N. E., Dearinger, and Stewart.)
De Arman, Newton M., Ventura, Calif. Tank filling apparatus. 1,810,413; June 16.
De Armas y Manrique, Antonio, and F. G. del Valle, Habana, Cuba. Lock. 1,789,171; Jan. 13.
De Armey, Dewey, Johnstown, Pa. Vise. 1,832,968; Nov. 24.
Dearsley, Irwin E. (See Anderson, E. D., and Dearsley.)
Dearstyne, Edmund C. (See Snyder, Vernie J., assignor.)
Deary, Edward J., Brooklyn, assignor to Automatic Fire Alarm Company, New York, N. Y. Alarm signal apparatus. 1,795,843; Mar. 10.
De Back, William, San Leandro, Calif., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Combined drainer and siruper. 1,811,908; June 30.
De Back, William, San Leandro, Calif., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Cooking apparatus. 1,828,961; Oct. 27.
De Back, William, San Leandro, Calif., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Filling valve. 1,837,412; Dec 22.
De Backer, Joseph, Uccle-Brussels, Belgium. Change speed device. 1,814,297; July 14.
Debaene, Louis H., Philadelphia, Pa. Lace machine. 1,826,996; Oct. 13.
De Barr, Harry. (See Unkelbach, J., and de Barr.)
De Bataafsche Petroleum Maatschappij. (See Loebel, Albert, assignor.)
De Bataafsche Petroleum Matschappij. (See Waterman, Hein I., assignor.)
De Baufre, William L. (See Davis, J. W., and De Baufre.)
Debaufre, William L., New York, N. Y. Separation of mixed gases by rectification. 1,830,157; Nov. 3.
De Baufre, William L., Leonia, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Bearing lubrication. 1,836,580; Dec. 15.
De Baufre, William L., Leonia, N. J., and F. W. Davis, Milford, Del. Apparatus for heating the blast for blast furnaces. 1,836,581; Dec. 15.
De Bavay, Auguste J. F., Kew, Australia. Aircraft. 1,801,727; Apr. 21.
Debeau, Maurice A., and H. L. Robson, Westend, Calif., assignor to Burnham Chemical Company, Reno, Nev. Obtaining borax from brines. 1,821,092; Sept. 1.
De Beaufort, Jean M. E. (See Claude, G., and De Beaufort.)
De Beeson, George, Huntington Park, Los Angeles, Calif. Automatic airplane control. 1,829,790; Nov. 3.
De Bellis, Aldo M., Summit, N. J., and W. B. Kirk, Bronxville, N. Y. Disconnecting switch. 1,792,896; Feb. 17.
De Biase, Tancredo, Buenos Aires, Argentina. Automatic feeders for glass-molding machines. 1,797,052; Mar. 17.
De Biase, Tancredo, Buenos Aires, Argentina. Automatic feeder for glass molding machines. 1,824,197; Sept. 22.
De Biasi, Anthony L., Richmond, Va. Fountain pen. 1,797,465; Mar. 24.
De Blicquy, Julien. (See Callebaut, C., and De Blicquy.)
Debnam, Thomas H., and E. C. Ferguson Suffolk, Va. Agricultural implement. 1,833,989; Dec. 1.
De Boer, Jan H., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Preparing alkali metals and alkaline earth metals. 1,797,131; Mar. 17.
De Boer, John, Corsica, S. Dak. Tractor. 1,821,007; Sept. 1.
De Boer, Rudolph. (See Harding, J. V., and De Boer.)
De Boer, Rudolph, assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich. Combination ash receiver and electric lighter. Des. 84,811; Aug. 11.
De Boer, Rudolph, assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich. Wall pocket. 1,790,977; Feb. 3.
De Both, Franciscus C. J., deceased, by J. J. D. de Both, administrator, Nimwegen, Netherlands; J. P. M. de Both, now administrator. Apparatus for cutting asphalt sheets. 1,796,921; Mar. 17.
De Both, Franciscus C. J., deceased; J. J. D. de Both, administrator, Nymegen, Netherlands; J. P. M. de Both now administrator of Franciscus C. J. de Both. Scouring and polishing asphaltic plates. 1,816,363; July 28.
De Both, Jacobus J. D., administrator. (See de Both, Fransiscus C. J.)
De Both, Johannes, P. M., administrator. (See de Both Fransiscus C. J.)
De Bothezat, George, New York, N. Y. Filter fan. 1,794,447; Mar. 3.
Deboutteville, Marcel D., Neuilly-sur-Seine, France. Weaving. 1,826,654; Oct. 6.
De Bretteville, Maude L., Coronado, Calif. Day-bed, chaise longue, and chair. 1,825,055; Sept. 29.
Debrie, André L. V. C., Paris, France. Shutter for cinematographic apparatus. 1,700,088; Apr. 7.
Debrie, André L. V. C., Paris, France. Cinematograph view-taking apparatus. 1,789,220; Jan. 13.
Debrie, André L. V. C., Paris, France. Friction driving device chiefly intended for cinematographic apparatus. 1,789,221; Jan. 13.
Debrie, André L. V. C., Paris, France. Film-advancing means for cinematographic view-taking apparatus. 1,789,222; Jan. 13.
Debrie, André L. V. C., Paris, France. Exposure-controlling device for cinematographic view-taking apparatus. 1,798,072; Mar. 24.
Debrie, André L. V. C., Paris, France. Apparatus for taking photographic or cinematographic pictures. 1,824,709; Sept. 22.
De Bry, Henry, Ogden, Utah. Safety attachment for ladies' hand bags. 1,801,227; Apr. 14.
Debuch, Carl P., Bochum, Germany. Treatment of ores with gases in rotary furnaces. 1,791,403; Feb. 3.
Debus, Karl, Berlin-Waidmannslust, assignor to Berliner Maschinenbau-Actien-Gesellschaft, vormals L. Schwartzkopff, Berlin, Germany. Apparatus for removing any ink remains from the printing plate of the form cylinder of rotary intaglio printing machines. 1,814,024; July 14.
Debus, Sander, Hastings, Nebr. Luggage carrier for automobiles. 1,795,844; Mar. 10.
Debus, Sander, Hastings, Nebr. Dough-proofing apparatus. 1,807,688; June 2.
De Bussey, Myron, Pasadena, Calif. Smoking pipe rack. 1,823,729; Sept. 15.
Deca-Disc Phonograph Company. (See Bodwell, P. D., and Bellows, assignors.)
Deca-Disc Phonograph Company. (See Moore, William R., jr., assignor.)
De Camp, Ray E. (See Baruch M., De Camp, and Walker.)
De Canio, Albert, New York, N. Y. Display holder. Des. 83,664; Mar. 17.
De Canio, Albert, New York, N. Y. Display holder. Des. 83,665; Mar. 17.
De Canio, Albert, New York, N. Y. Display holder. Des. 83,666; Mar. 17.
De Canio, Albert, New York, N. Y. Display holder. Des. 83,667; Mar. 17.
De Carlo, John, Brooklyn, N. Y. Hat holder. 1,824,710; Sept. 22.
De Castro, Adolphe D., New York, N. Y. Incandescent electric lamp. 1,838,372; Dec. 29.
Decaux, René, assignor to Societe des Etablissements, Gaumont, Paris, France. Moving picture machine. 1,828,032; Oct. 20.
De Cew, Judson A., assignor to Process Engineers, Inc., New York, N. Y. Sizing paper-making fibers. 1,799,216; Apr. 7.
De Cew, Judson A., assignor to Process Engineers, Inc., New York, N. Y. Incorporating emulsified rubber into paper pulp to produce paper products. 1,799,217; Apr. 7.

De Cew, Judson A., Mount Vernon, assignor to Process Engineers, Inc., New York, N. Y. Treating wood pulp fibers and paper product made therefrom. 1,816,423; July 28.
Dech, Herbert A., Northampton, Pa. Weeding apparatus. 1,819,544; Aug. 18.
De Chappedelaine, Jean, Paris, France. Supporting and propelling apparatus based on centrifugal power. 1,802,882; Apr. 28.
Dechau, Otto W., Rochester, N. Y., assignor to Design Mfg. Co. Inc. Optical frame. Des. 82,981; Jan. 6.
Dechau, Otto W., Rochester, N. Y., assignor to Artcraft Optical Co. Inc. Bridge member for an ophthalmic mounting. Des. 84,327; June 9.
Deck, Howard S., Dover, N. J. Cutting machine. 1,825,223; Sept. 29.
Deck, Mary L., Bellingham, Wash. Game device. Des. 85,170; Sept. 22.
Deck, Theodore J., sr., Baltimore, Md. Detonating toy. 1,802,201; Apr. 21.
Deckebach, Henry E., Cincinnati, Ohio. Advertising device. 1,806,150; May 19.
Decker, Abram M., Red Bank, assignor of one-half to A. T. Dwight, Red Bank, N. J. Muffler and propeller assembly for internal combustion engines. 1,822,272; Sept. 8.
Decker, Abram M., assignor of one-half to A. T. Dwight, Red Bank, N. J. Motor mounting. 1,831,739; Nov. 10.
Decker, Alonzo G., Towson Heights, assignor to The Van Dorn Electric Tool Company, Towson, Md. Casing for a portable electric polisher. Des. 84,132; May 12.
Decker, Alonzo G., Towson Heights, assignor to The Black & Decker Manufacturing Company, Towson, Md. Casing for a portable electric polisher. Des. 84,133; May 12.
Decker, Alonzo G., assignor to The Black and Decker Manufacturing Company, Towson, Md. Apparatus for humidifying air. 1,826,508; Oct. 6.
Decker, Alonzo G., Baltimore County, Md., assignor to Black & Decker Manufacturing Company. Stud setter. 1,828,523; Oct. 20.
Decker, Alonzo G., Baltimore County, assignor to The Black and Decker Manufacturing Company, Towson Heights, Md. Tool arm. 1,832,101; Nov. 17.
Decker, Alonzo G., Baltimore County, assignor to The Black and Decker Manufacturing Company, Towson Heights, Md. Percussive tool. 1,833,455; Nov. 24.
Decker, Arnold J. (See Forsman, V. H., Decker, and Edwards.)
Decker, Chester J., Toronto, Ontario, Canada. Lamp support. 1,835,021; Dec. 8.
Decker, Filo J., Martinsville, assignor of forty per cent to G. H. Cochran, Kansas City, Mo. Thrashing attachment for binders. 1,796,088; Mar. 10.
Decker, Isaac C., Montgomery, Pa. Method and apparatus for upholstering furniture. 1,793,912; Feb. 24.
Decker, John C., Upper Moreland Township, Montgomery County, and H. Aull, assignors to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Knitted fabric. 1,802,337; Apr. 28.
Decker, Josef B., Elkton, Md. Firecracker. 1,801,489; Apr. 21.
Decker, L. M., Co. (See Wilson, Donald P., assignor.)
Decker, Lugene R. (See Brainard, Raymond H., assignor.)
Decker, Martin L., Kansas City, Mo. Piston groove cleaner and ring compressor. 1,819,321; Aug. 18.
Decker, Nicholas, Chicago, Ill. Fishing signal. 1,800,607; Apr. 14.
Decker, Sherwin K., G. A. Johnson, J. W. Davis, and J. B. Junor, Los Angeles, Calif., assignors to International Business Machines Corporation, New York, N. Y. Accounting means. 1,803,961; May 5.
Decker, Theodore H., Highland Park, Ill. Golf putting device. 1,801,266; Apr. 21.
Decker, Ward, assignor to The Willys-Overland Company, Toledo, Ohio. Carburetor. 1,806,045; May 19.
Deckert, Oscar R., Boston, Mass. Kitchen appliance. 1,791,161; Feb. 3.
Deckman, Robert C. (See Tellier, E. H., and Deckman.)
De Clairmont, Adolph, Los Angeles, Calif. Aquarium. 1,838,215; Dec. 29.
De Cloud, Joseph P., Kansas City, Mo. Vehicle wheel. 1,801,664; Apr. 21.
Deco Engineering Corporation. (See Dennie, Edward B., assignor.)
Décobert, Edouard F. M., Paris, France. Container for cigarettes and the like. 1,809,746; June 9.
Decombe, Georges, Lyon, France. Demountable metallic reel for cables. 1,815,499; July 21.
Decorative Development, Inc. (See Poschel, Alfred B., assignor.)
De Coriolis, Ernest G., assignor to Surface Combustion Corporation, Toledo, Ohio. Bake oven. 1,799,844; Apr. 7.
De Coriolis, Ernest G., assignor to Surface Combustion Corporation, Toledo, Ohio. Furnace. 1,824,747; Sept. 22.
De Coriolis, Ernest G., J. R. Moser, and A. L. Larsen, assignors to Surface Combustion Corporation, Toledo, Ohio. Rotary hearth furnace. 1,796,144; Mar. 10.
De Correvont, Howard P., assignor to The Brunswick-Balke-Collender Co., Chicago, Ill. Articles covered with sheet pyroxyline. 1,824,5347; Sept. 22.
De Cristofaro, Carlo, assignor of one-half to W. F. Scarpelli, St. Louis, Mo. Hard toe ballet slipper. Des. 85,164; Sept. 22.
Decrow, Vere R., Lockport, N. Y. Lubricator. 1,834,092; Dec. 1.
Dedman, Bryant, Glen Ellyn, Ill. Casing hook for oil wells. 1,815,290; July 21.
Dedouch, Joseph A., Oak Park, Ill. Ceramic furnace. 1,811,307; June 23.
Deeble, Roy E., Long Beach, Calif. Internal combustion engine. 1,832,282; Nov. 17.
Deeds, Clyde C. (See Furstenberger, F. W., and Deeds.)
Deen, Clare, et al. (See Grant, Colin, assignor.)
Deere & Company. (See Brown, Theophilus, assignors.)
Deere & Company. (See Carlson, Oscar F., assignor.)
Deere & Company. (See Claar, Harry, assignor.)
Deere & Company. (See Coultas, Wilbur J., assignor.)
Deere & Company. (See Coultas, W. J., and Livesay, assignors.)
Deere & Company. (See Frederiksen, Carl J., assignor.)
Deere & Company. (See Gamble, Carl H., assignor.)
Deere & Company. (See Huddle, Edwin F., assignor.)
Deere & Company. (See Lesser, Nathan, and Sklovsky, assignors.)
Deere & Company. (See Livesay, Robert C., assignor.)
Deere & Company. (See Metcalf, Edgar E., assignor.)
Deere & Company. (See Neighbour, Leonard B., assignor.)
Deere & Company. (See Paradise, Louis A., assignor.)
Deere & Company. (See Paradise, L. A., and Coultas, assignors.)
Deere & Company. (See Paradise, L. A., and Huddle, assignors.)
Deere & Company. (See Paul, William L., assignor.)
Deere & Company. (See Siebenmann, F. J., and Johnson, assignors.)
Deere & Company. (See Silver, Walter H., assignor.)
Deere & Company. (See Sklovsky, Max, assignor.)
Deere & Company. (See Stadtherr, John, assignor.)
Deere & Company. (See Strandlund, Carl G., assignor.)
Deere & Company. (See Strandlund, C. G., and Holstein, assignors.)
Deere & Company. (See Trively, Rolland A., assignor.)
Deere & Company. (See White, Charles H., assignor.)
Dees, William H., St. Louis, assignor to Canvas Products Company, St. Louis, Mo. Grass catcher for lawn mowers. 1,826,605; Oct. 6.
Deeter, Amos O., Minot, N. Dak. Light globe holder. 1,806,046; May 19.
Deetjen, Richard, Berlin-Wilmersdorf, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Marine vessel. 1,794,156; Feb. 24.
Deevy, Stephen D., Wharton, N. J. Fuse for projectiles. 1,792,631; Feb. 17.
Dee Wite, Incorporated. (See Pouliot, Russell J., assignor.)
De Faveri, Serafino, Milan, Italy. Cellular material for safety garments. 1,812,936; July 7.
Defays, Victor J., and P. J. Lefebvre, assignors to la Magneto belge, Societe Anonyme, Brussels, Belgium. Electric motor. 1,809,512; June 9.
De Ferranti, Sebastian Z., and J. Turner, Hollinwood, England, assignors to Ferranti Inc., New York, N. Y. Radiator or cooler. 1,816,111; July 28.
De Ferranti, Vincent Z., Hollinwood, England, assignor to Ferranti Inc., New York, N. Y. Lightning arrester or surge absorber. 1,794,590; Mar. 3.
Deffenbaugh, Charles W., Cumberland, Md. Connecting means for eccentric arms. 1,816,364; July 28.
Defiance Manufacturing Corporation. (See Phinney, Edgar E., assignor.)
Defiance Sales Corporation. (See Linsner, Arthur F., assignor.)
Defibaugh, Mark A., assignor to Altorfer Bros. Company, Peoria, Ill. Washing machine. 1,803,382; May 5.
Defibaugh, Mark A., assignor to Altorfer Bros. Company, Peoria, Ill. Washing machine. 1,803,383; May 5.
Defibaugh, Mark A., assignor to Altorfer Bros. Company, Peoria, Ill. Washing machine. 1,821,544; Sept. 1.
Defibaugh, Mark A., assignor to Altorfer Bros. Company, Peoria, Ill. Lubricating device. 1,837,020; Dec. 15.
De Filippi, Carlo, Milan, Italy. Electric-pneumatic thermoscope available as fire indicators and for like purposes. 1,819,077; Aug. 18.
De Filippis, Raymond, Brooklyn, N. Y. Vehicle. 1,808,766; June 9.
De Florez, Luis, Pomfret, Conn. Float controlled pumping system for oil refineries. 1,806,449; May 19.
De Florez, Luis, Pomfret, Conn. Pyrometric device. 1,837,853; Dec. 22.
De Florez, Luis, Pomfret, Conn., assignor to The Texas Company. Furnace. 1,804,155; May 5.
De Florez, Luis, Pomfret, Conn., assignor to The Texas Company, New York, N. Y. Heating oils. 1,808,343; June 2.
De Florez, Luis, Pomfret, Conn., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Apparatus and method for fuel control. 1,815,051; July 21.
De Florez, Luis, Pomfret, Conn., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Regulating system for fluid supplies. 1,815,870; July 21.
De Florez, Luis, Boston, Mass., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treatment of hydrocarbons. 1,806,597; May 26.

De Forest, Alfred V., Stratford, Conn., assignor to American Chain Company, Inc. Eliminating internal stresses in wire at anchorages thereof. 1,787,936; Jan. 6.
De Forest, Alfred V., Stratford, Conn., assignor to American Chain Company, Inc. Wire-strand unit. 1,797,759; Mar. 24.
De Forest Crosley Radio Company. (See Hepburn, D., and Thompson, assignors.)
De Forest, George W., Binghamton, N. Y. Gauge valve. 1,835,020; Dec. 8.
De Forest, Henry S., East Orange, N. J., and L. H. de Wyk, Derby, Conn. Fastener clip. 1,793,467; Feb. 24.
De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to General Talking Pictures Corporation. Talking motion pictures and obliterating stipulated portion or portions therefor. Re18,108; June 23.
De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to General Talking Pictures Corporation. Sound reproducer. 1,795,936; Mar. 10.
De Forest, Lee, assignor to de Forest Phonofilm Corporation, New York, N. Y. Automatic photographic sound reproducing mechanism. 1,802,595; Apr. 28.
De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to General Talking Pictures Corporation. Silent drive mechanism for talking motion picture machines. 1,806,744; May 26.
De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to General Talking Pictures Corporation. Sound producing device. 1,806,745; May 26.
De Forest, Lee, assignor to Deforest Phonofilm Corporation, New York, N. Y. Luminous discharge device. 1,806,746; May 26.
De Forest, Lee, assignor to De Forest Phonofilm Corporation, New York, N. Y. Sound-chamber and set-frame therefor. 1,812,687; June 30.
De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to General Talking Pictures Corporation. Sound reproducer. 1,827,283; Oct. 13.
De Forest, Lee, assignor to General Talking Pictures Corporation, New York, N. Y. Microphone. 1,834,051; Dec. 1.
Deforest Phonofilm Corporation. (See de Forest, Lee, assignor.)
De Forest Radio Company. (See Fuller, Harold E., assignor.)
De Forest Radio Company. (See Schenk, C. R., and Crowley, assignors.)
De Forest Radio Company. (See Weagent, R. A., and Somersalo, assignors.)
De Forest Radio Telephone & Telegraph Co. (See Hunter, F. L., jr., and Crowley, assignors.)
De Forest Radio Telephone & Telegraph Company. (See Verpent, Victor J., assignor.)
De Fraine, Allan F. (See Degenhardt, W. R., and de Fraine.)
De Fraine, Allan F. (See Degenhardt, W. R., de Fraine, and Bicknell.)
Defrance, Abel, and P. Versillé, Paris, France. Charge-mixing device. 1,790,854; Feb. 3.
De France, Murrell J., assignor to Pennsylvania Rubber Company, Jeannette, Pa. Rubber ball. 1,792,362; Feb. 10.
De Francisco, Marshall, New York, N. Y. Screen for motion pictures and the like. 1,808,725; June 2.
Defregger, Robert F. P., Munich, assignor to the Firm Jos-Pe Farbenphoto Gesellschaft mit beschrankter Haftung, Hamburg, Germany. Art of color photography. 1,801,143; Apr. 14.
De Frettas, August, Honolulu, Hawaii. Portable lunch carrier. 1,829,636; Oct. 27.
De Freudenreich, Jean. (See Brown, E., and de Freudenreich.)
Degand, Gust, assignor by mesne assignments, to R. Peale, St. Benedict, Pa., W. W. Davies, New York, N. Y., and W. S. Wallace, Philadelphia, Pa., trustees. Material disintegrating and conveying mechanism. 1,812,324; June 30.
De Gant, George B., Bellaire, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Metal roofing sheet. 1,833,456; Nov. 24.
Degen, Frederick I., Ridgewood, N. J. Automobile signal. 1,797,903; Mar. 24.
Degener, Gustave O. (See Hochman, J. C., and Degener.)
Degener, Gustave O., Brooklyn, assignor of one-half to M. Samburg and one-half to J. C. Hochman, New York, N. Y. Computing machine. 1,794,368; Mar. 3.
Degener, Gustave O., San Francisco, Calif., assignor to Royal Typewriter Company, Inc., New York, N. Y. Manifolding device. 1,836,906; Dec. 15.
Degenhardt, William R., London, and A. F. de Fraine, Wembley, assignors to The Francois Cementation Company Limited, Doncaster, England. Excavating or tunneling apparatus. 1,795,108; Mar. 3.
Degenhardt, William R., London, and A. F. de Fraine, Wembley, assignors to The Francois Cementation Company, Limited, Doncaster, England. Rock-abrading machine. 1,795,109; Mar. 3.
Degenhardt, William R., London, and A. F. de Fraine, Wembley, assignors to The Francois Cementation Company, Limited, Doncaster, England. Rock abrading machine. 1,806,792; May 26.
Degenhardt, William R., London, A. F. de Fraine, Wembley, and R. H. Bicknell, deceased, Westminster, London, R. A. W. Bicknell, London, and A. Bicknell, Birmingham, legal representatives of R. H. Bicknell, deceased, assignors to The Francois Cementation Company, Limited, Doncaster, England. Percussion tool for wave-transmission apparatus. 1,796,089; Mar. 10.
Degenhardt, William R., London, A. F. de Fraine, Wembley, and R. T. Bicknell, deceased, Westminster, London; by R. A. W. Bicknell, London, and A. Bicknell, Birmingham, legal representatives, assignors to The Francois Cementation Company Limited, Doncaster, England. Excavating or boring apparatus. 1,797,024; Mar. 17.
De George, Joe, Ashtabula, Ohio. Hat hanger. Des. 84,569; July 7.
De George, Joe, Ashtabula, Ohio. Hat hanger. Des. 84,883; Aug. 18.
Degge, Eugene R., Chicago, Ill. Overshoe. 1,811,781; June 23.
De Giers, Clarence A., New York, N. Y., assignor by mesne assignments, to The Liquidometer Corporation, Wilmington, Del. Liquid-level indicator. 1,791,489; Feb. 10.
De Giers, Clarence A., New York, N. Y., assignor, by mesne assignments, to The Liquidometer Corporation, Wilmington, Del. Liquid level indicator. 1,818,972; Aug. 18.
De Giers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Long Island City, N. Y. Movement transmitting system. 1,804,212; May 5.
De Giers, Clarence A., Forest Hills, assignor to Liquidometer Corporation, Long, Island City, N. Y. Float arm seal. 1,818,973; Aug. 18.
De Giorgi, Achille B., Milan, Italy. Lineswitch driving arrangement for motor and hand operation. 1,832,189; Nov. 17.
Dé Giorgio, Ghino, Rome, Italy. Draft-printing apparatus. 1,833,391; Nov. 24.
De Give, Henry L., executor. (See de Give, Julius L.)
De Give, Julius L., deceased, Atlanta, Ga., H. L. de Give, executor. Releasing device for mail bags. 1,812,688; June 30.
Degler, William W., Cumberland, Md. Baseball game apparatus. 1,788,708; Jan. 13.
De Gloria, John, and H. C. Schroeder, Oakland, Calif. Bumper element for safety zones. 1,808,767; June 9.
De Graaf, Gerrit A., deceased, by L. F. de Graaf, executrix, Bloomfield, N. J., assignor to Eimer & Amend, New York, N. Y. Determination of melting temperatures of materials and apparatus for carrying out the aforesaid process. 1,789,098; Jan. 13.
De Graaf, Lea F., executrix. (See de Graaf, Gerrit A.)
De Graff, Wilbur C., assignor to The Warner & Swasey Company, Cleveland, Ohio. Chuck. 1,819,837; Aug. 18.
De Graw, Brown F., Fort Wayne, Ind., assignor to The Western Gas Construction Co. Gas manufacture. 1,808,807; June 9.
De Grofft, Will, Woodstown, N. J. Awning hook. 1,813,031; July 7.
De Groote, August H., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Fastening device. 1,837,021; Dec. 15.
De Groote, Melvin, St. Louis, assignor, by mesne assignments, to Tretolite Company, Webster Groves, Mo. Flooding process for recovering oil from subterranean oil bearing strata. 1,823,439; Sept. 15.
De Groote, Melvin, St. Louis, and L. T. Monson, Maplewood, assignors, by mesne assignments, to Tretolite Company, Webster Groves, Mo. Flooding process for recovering fixed oil from subterranean oil bearing strata. 1,823,440; Sept. 15.
De Groote, Melvin, St. Louis, L. T. Monson, Maplewood, and E. H. Keiser, Clayton, assignors, by mesne assignments, to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,812,393; June 30.
De Groote, Melvin, St. Louis, and L. T. Monson, Maplewood, assignors, by mesne assignments, to Tretolite Company, Webster Groves, Mo. Conditioning petroleum oils. 1,834,940; Dec. 8.
De Gruyter, Paul J., The Hague, Netherlands. Metal dowel for wooden beams. 1,806,522; May 19.
De Guerre, Frank, Villa Grande, Calif. Measuring instrument. 1,839,014; Dec. 29.
De Guichard, Basil W., et al., executors. (See Champion, Albert.)
Deguines, Félicien, Calais, France. Lace. Des. 83,151; Jan. 27.
De Hart, Charles B., assignor of one-half to C. W. De Hart, Chicago, Ill. Hydraulic clutch. 1,828,861; Oct. 27.
De Hart, Charles W. (See De Hart, Charles B., assignor.)
De Havilland Aircraft of Canada, Limited. (See Levick, Verdon O., assignor.)
Dehls & Stein. (See Koenigsberger, Franz, assignor.)
Dehn, Paul M., Alice, N. Dak. Fastener for storm and screen sashes. 1,805,654; May 19.
Dehn, Roy F., Cleveland, Ohio. Friction clutch. 1,795,082; Mar. 3.
Dehn, Roy F., Cleveland, Ohio. Friction clutch. 1,795,083; Mar. 3.
Dehn, William M., Seattle, Wash. Impregnating plant tissues with sodium nitrate for explosive purposes. 1,819,456; Aug. 18.
Dehn, William M., Seattle, Wash. Colloided starch explosive and manufacturing the same. 1,819,457; Aug. 18.

Dehn, William M., Seattle, Wash. Propellent explosive. 1,819,458; Aug. 18.
De Hoop, Louis. (See Vies, S. I., and de Hoop.)
De Huff, Elizabeth W., Santa Fe, N. Mex. Doll. Des. 83,958; Apr. 21.
Dehuff, Walter F., Glen Rock, Pa. Mixing machine. Re18,096; June 9.
Dehuff, Walter F., Glen Rock, Pa. Auxiliary switch member. 1,797,466; Mar. 24.
Dehuff, Walter F., Glen Rock, Pa. Dough mixer. 1,826,242; Oct. 6.
Dehuff, Walter F., assignor to Glen Mixer Company, Glen Rock, Pa. Mixing machine. 1,792,363; Feb. 10.
Deibel, Cyril P., Lakewood, Ohio. Making dry battery structures. 1,809,924; June 16.
Deibert, Joseph N., jr., Beulah, N. Dak. Dehorning saw. 1,833,828; Nov. 24.
Deibner, Robert L., and A. Smith, San Antonio, Tex. Drapery hook. 1,802,883; Apr. 28.
Deiches, Sigmund, Chicago, Ill. Bow tie and insert. 1,796,834; Mar. 17.
Deichmann, Otto A. (See Spalding, Thomas A., assignor.)
Deicke, Bernhard. (See Thiess, K., and Deicke.)
Deidrick, Garrett G., Kent, Ohio. Collar-stiffening and tie-holding device. 1,790,341; Jan. 27.
Deile, Hermann, assignor to Aceta G. m. b. H., Berlin-Lichtenberg, Germany. Twisting continuously spun artificial threads. 1,822,018; Sept. 8.
Deinstein, Abraham, Chicago, Ill. Cigarette. 1,817,546; Aug. 4.
Deisch, Bert A. (See McDonald, C. D., and Deisch.)
Deisch, Bert A., assignor to McDonald Machine Co., Chicago, Ill. Can testing machine. 1,815,837; July 21.
Deisch, Noel, Washington, D. C. Electrooptic cell. 1,825,340; Sept. 29.
Deisch, Noel, Washington, D. C., assignor to Locke Insulator Corporation, Baltimore, Md. Conductor-releasing clamp. 1,789,671; Jan. 20.
Deisch, Noel, Washington, D. C., assignor to Locke Insulator Corporation, Baltimore, Md. Conductor-releasing clamp. 1,789,672; Jan. 20.
Deisch, Noel, Washington, D. C., assignor of one-half to T. E. Stone, jr., Scarsdale, N. Y. Signaling or indicating device. 1,816,112; July 28.
Deister, Emil, Fort Wayne, Ind. Screen. 1,806,934; May 26.
Deister Machine Company. (See Astrom, John, assignor.)
Deitel, Benjamin B., Brooklyn, N. Y. Duplex novelty case. 1,788,189; Jan. 6.
De Jahn, Fredrik W., New York, assignor to F. A. Bower, Bayside, N. Y. System and apparatus for manufacturing nitrogen oxide. 1,789,580; Jan. 20.
De Jahn, Fredrik W., New York, assignor to Atmospheric Nitrogen Corporation, Syracuse, N. Y. Making ammonia by catalysis. 1,815,243; July 21.
De Jahn, Fredrik W., assignor, by mesne assignments, to Atmospheric Nitrogen Corporation, New York, N. Y. Converting atmospheric nitrogen into a compound containing combined nitrogen. 1,832,102; Nov. 17.
De Jeu, Adrian M., Cleveland, Ohio. Alarm time switch. 1,811,261; June 23.
De Jong, Hendrik. (See Reufel, H. M. H., De Jong, and Wentink.)
De Jongh, Gerrit H., Eindhoven, Netherlands, assignor to Radio Corporation of America. Vibrating member for loud speakers. 1,802,910; Apr. 28.
De Kater, Jacobus G., The Hague, Netherlands. Machine for sawing under water. 1,806,013; May 19.
Deknatel, J. A., and Son, Inc. (See Potter, Herbert C., assignor.)
De Koning, Arthur E. (See Hill, Orrin K., assignor.)
De Koning, Arthur E., Portland, Oreg. Cut-off saw machine. 1,793,544; Feb. 24.
De Koning, Athur E., Portland, Oreg. Combination sawing machine. 1,808,453; June 2.
De Korwin, Joseph, Brussels, Belgium, assignor to Korwin Flyer Company, Chicago, Ill. Gyroscope flying machine with oscillating wings. 1,831,655; Nov. 10.
De la Barre de Nanteuil, Christian, Versailles, France. Plant for heating motor vehicles. 1,812,259; June 30.
Delachaux, Clarence L., assignor to Acieries de Gennevilliers, Anciens Etablissements C. Delachaux, Gennevilliers, France. Support for overhead wires for railways, tramways, and the like. 1,800,440; Apr. 14.
De la Cierva, Juan, Madrid, Spain, assignor to Pitcairn Cierva Autogiro Company of America. Aircraft having rotative wings. Des. 18,002; Mar. 17.
De la Cierva, Juan, Madrid, Spain, assignor, by mesne assignments, to Autogiro Company of America, Philadelphia, Pa. Aircraft with rotative wings. 1,811,303; June 23.
Delacour, Henry M., Albany, N. Y., assignor to New York Power & Light Corporation, Albany, N. Y. Garbage incinerator and process. 1,821,620; Sept. 1.
DeLacy, Benjamin, assignor to William Vogel & Bros. Inc., Brooklyn, N. Y. Can-closure structure and process. 1,792,897; Feb. 17.
De Lacy-Mulhall, Patrick, Los Angeles, Calif. Quantity control apparatus. 1,822,901; Sept. 15.
Delafield, Herbert. (See Miller, J. J., Demeree, and Delafield.)
Delahanty, Edward J., Lake St. Clair, assignor to Chrysler Corporation, Detroit, Mich. Motor support. 1,826,126; Oct. 6.
Delahanty, Edward J., assignor to Chrysler Corporation, Detroit, Mich. Supporting structure. 1,835,698; Dec. 8.
Delahaye, Armand, Calais, France. Lace. Des. 84,884; Aug. 18.
Delahaye, Armand, Calais, France. Lace. Des. 84,885; Aug. 18.
Delahaye, Georges, Calais, France. Lace. Des. 83,393; Feb. 17.
Delahaye, Walter H., Ottawa, Ontario, Canada, assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,811,539; June 23.
Delaize, Paul C., assignor to d'Orsay Perfumeries Corporation, New York, N. Y. Case for toilet accessories and the like. Des. 85,733; Dec. 15.
Delaize, Paul C., assignor to d'Orsay Perfumeries Corporation, New York, N. Y. Cover for a powder box. Des. 85,734; Dec. 15.
De La Mare, Thomas, Salt Lake City. Device for repairing structures confining fluid under pressure. 1,838,686; Dec. 29.
De La Mater, Robert G., Worcester, Mass. Automatic accelerating friction clutch. 1,793,735; Feb. 24.
De Lambert, Leonce, Lyon, France, assignor of one-half to P. Zucco, San Francisco, Calif. Producing a hydraulic aluminous binding material together with an iron alloy. 1,834,770; Dec. 1.
Delamere, Rudolf D., assignor to Delamere and Williams, Toronto, Ontario, Canada. Lowering device. 1,814,131; July 14.
Delamere, Rudolf D., Toronto, Ontario, assignor to Delamere and Williams, Toronto, Canada. Time controlled electric switch. 1,817,806; Aug. 4.
Delamere, Rudolf D., Toronto, Ontario, assignor to Delamere and Williams, Toronto, Canada. Cutting plastic substances. 1,820,301; Aug. 25.
Delamere, Rudolf D., Toronto, Ontario, assignor to Delamere & Williams Limited, Toronto, Canada. Combustion device for furnaces. 1,826,748; Oct. 13.
Delamere and Williams. (See Delamere, Rudolf D., assignor.)
Delamere & Williams Limited. (See Delamere, Rudolf D., assignor.)
Delamothe, Louis A., Oakland, Calif. Ear ring. Des. 84,184; May 19.
De Lancey, Ralph W., Winona, Minn. Oil burner. 1,837,763; Dec. 22.
Delaney, Daniel J., East Newark, assignor to Arcturus Radio Tube Company, Newark, N. J. Heater type vacuum tube. 1,828,524; Oct. 20.
De Laney, James C., Houston, Tex. Hand tool. 1,814,435; July 14.
Delaney, Joseph A., Jersey City, N. J. Window screen. 1,826,606; Oct. 6.
Delaney, Thomas W., St. Paul, Minn. Furnace control. 1,807,513; May 26.
De Laney, Wallace W., assignor to The Seamless Rubber Company, Inc., New Haven, Conn. Rubber sheeting or like article. Des. 84,328; June 9.
Delaney, Warren L. (See Pulsifer, G. H., and Delaney.)
Delaney, William L., Tacoma, Wash. Dust guard cutting machine. 1,836,751; Dec. 15.
De Lange, Ambrose, assignor to De Lange Improved Two-Cycle Motor Company, Kalispell, Mont. Two-cycle radial engine. 1,787,673; Jan. 6.
De Lange Improved Two-Cycle Motor Company. (See De Lange, Ambrose C., assignor.)
Delanoy, Frederick W. (See Parker, W. H., and Delanoy.)
De la Roza, Joaquin J., sr., Tuinucu, Cuba. Apparatus for removing carbon and the like from cellulose. 1,817,973; Aug. 11.
De la Roza, Joaquin J., sr., Tuinucu, Cuba. Manufacturing cellulose. 1,825,655; Oct. 6.
De la Roza, Joaquin J., sr., Brooklyn, assignor to Bagasse Products Corporation, New York, N. Y. Producing fibrous threads. 1,817,972; Aug. 11.
Delas, François X. J. A., Paris, France. Surface condenser. 1,796,510; Mar. 17.
De Lautour, Francis, Wellington, New Zealand. Four-stroke-cycle internal-combustion engine. 1,790,799; Feb. 3.
De Laval Separator Company, The. (See Aller, Conrad F., assignor.)
De Laval Separator Company, The. (See Andersson, G. H., and Dahlgren, assignors.)
De Laval Separator Company, The. (See Beckman, Herman C., assignor.)
De Laval Separator Company, The. (See Bengtson, Martin B., assignor.)
De Laval Separator Company, The. (See Flowers, Alan E., assignor.)
De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)
De Laval Separator Company, The. (See Lindgren, Hans O., assignor.)
De Laval Steam Turbine Company. (See Birmann, Rudolph, assignor.)
De Laval Steam Turbine Company. (See Kennedy, Frank W., assignor.)
De Laval Steam Turbine Company. (See Waller, Carl R., assignor.)
De Lavaud, Dimitri S., Paris, France. Differential gear provided with propping rollers. 1,823,389; Sept. 15.

De Lavaud, Dimitri S., Paris, France, assignor to De Lavaud Holdings Corporation, Limited, London, England. Power transmitting device and its application to differential gear. 1,823,092; Sept. 15.
De Lavaud Holdings Corporation. (See de Lavaud, Dimitri S., assignor.)
Delaware Chemical Engineering Company. (See Nagelvoort, Adriaan, assignor.)
Delaware, Lackawanna & Western Coal Co., The. (See Burnside, Lewis N., assignor.)
Delaye, Raoul L. A., assignor to Societe à Responsabilite Limitee R. Delaye & Cie., Crest, France. Draft and lifting device for agricultural tractors. 1,800,284; Apr. 14.
Delchau, Joachim. (See Gaarz, W., and Dalchau.)
Delco-Light Company. (See Dickey, Ernest, assignor.)
Delco-Light Company. (See Dickey, E., and Starr, assignors.)
Delco-Light Company. (See Federle, Joseph C., assignor.)
Delco-Light Company. (See Lee, Ralph L., assignor.)
Delco-Light Company. (See Starr, Frank F., assignor.)
Delco-Light Company. (See Warner, C., and Fisher, assignors.)
Delco-Light Company. (See Wendt, Wesley E., assignor.)
Delco Products Corporation. (See Aseltine, Fred E., assignor.)
Delco Products Corporation. (See Aseltine, F. E., and Teeter, assignors.)
Delco Products Corporation. (See Bates, Ralph I., assignor.)
Delco Products Corporation. (See Bradford, Zerbe C., assignor.)
Delco Products Corporation. (See Brump, Herbert L., assignor.)
Delco Products Corporation. (See Chryst, William A., assignor.)
Delco Products Corporation. (See Davis, Lewis H., assignor.)
Delco Products Corporation. (See Dear, Russell, assignor.)
Delco Products Corporation. (See Elsey, George W., assignor.)
Delco Products Corporation. (See Elsey, G. W., and Chryst, assignors.)
Delco Products Corporation. (See Harris, Mark, assignor.)
Delco Products Corporation. (See Hunt, John H., assignor.)
Delco Products Corporation. (See Kindl, C. H., and Funston, assignors.)
Delco Products Corporation. (See Neidermayer, Carl, assignor.)
Delco Products Corporation. (See Riedel, Walter W., assignor.)
Delco Products Corporation. (See Rossman, Edwin F., assignor.)
Delco Products Corporation. (See Teeter, Wilford H., assignor.)
Delco-Remy Corporation. (See Arthur, James L., assignor.)
Delco-Remy Corporation. (See Arthur, J. L., and Hittle, assignors.)
Delco-Remy Corporation. (See Atwood, Duke V., assignor.)
Delco-Remy Corporation. (See Baker, Russell W., assignor.)
Delco-Remy Corporation. (See Chryst, William A., assignor.)
Delco-Remy Corporation. (See Chryst, W. A., and Arthur, assignors.)
Delco-Remy Corporation. (See Chryst, W. A., and Bates, assignors.)
Delco-Remy Corporation. (See Chryst, W. A., and Norviel, assignors.)
Delco-Remy Corporation. (See Chryst, W. A., and Walters, assignors.)
Delco-Remy Corporation. (See Critchfield, Robert M., assignor.)
Delco-Remy Corporation. (See Davis, Charles H., jr., assignor.)
Delco-Remy Corporation. (See Dawson, Hilarion D., assignor.)
Delco-Remy Corporation. (See Dyer, John B., assignor.)
Delco-Remy Corporation. (See Fitzsimmons, John T., assignor.)
Delco-Remy Corporation. (See Fitzsimmons, J. T., and Hartzell, assignors.)
Delco-Remy Corporation. (See Goad, Louis C., assignor.)
Delco-Remy Corporation. (See Goad, L. C., and Walsmith, assignors.)
Delco-Remy Corporation. (See Haas, Nelson R., assignor.)
Delco-Remy Corporation. (See Hardman, Frederick J., assignor.)
Delco-Remy Corporation. (See Hartzell, Herman L., assignor.)
Delco-Remy Corporation. (See Hittle, Dalphin L., assignor.)
Delco-Remy Corporation. (See Holmes, John Q., assignor.)
Delco-Remy Corporation. (See Kindl, Carl H., assignor.)
Delco Remy Corporation. (See Mead, Howard C., assignor.)
Delco Remy Corporation. (See Michel, Clarence A., assignor.)
Delco-Remy Corporation. (See Norviel, Harry E., assignor.)
Delco-Remy Corporation. (See Pabst, William E., assignor.)
Delco-Remy Corporation. (See Parker, Leslie O., assignor.)
Delco-Remy Corporation. (See Perkins, Laurence M., assignor.)
Delco-Remy Corporation. (See Phelps, Alva W., assignor.)
Delco-Remy Corporation. (See Phelps, A. W., and Keller, assignors.)
Delco-Remy Corporation. (See Phelps, A. W., and Penn, assignors.)
Delco-Remy Corporation. (See Poole, Lora E., assignor.)
Delco-Remy Corporation. (See Poole, L. E., Holmes, and Goad.)
Delco-Remy Corporation. (See Prescott, Frank H., assignor.)
Delco-Remy Corporation. (See Seabury, Ralph L., assignor.)
Delco-Remy Corporation. (See Shearer, Dall C., assignor.)
Delco-Remy Corporation. (See Shippy, Leo C., assignor.)
Delco-Remy Corporation. (See Teeter, Wilford H., assignor.)
Delco-Remy Corporation. (See White, Harold C., assignor.)
Delco-Remy Corporation. (See Wilson, Charles E., assignor.)
De Leece, Frank et al. (See Pisani, Guilio, assignor.)
De Leeuw, Adolph L., Plainfield, N. J. Hydraulic upright drill. 1,816,829; Aug. 4.
De Leeuw, Adolph L., Plainfield, N. J. Continuous rotary machine. 1,822,690; Sept. 8.
De Leeuw, Adolph L., Plainfield, N. J. Fluid pressure operated continuous rotary machine. 1,822,691; Sept. 8.
De Leeuw, Adolph L., Plainfield, N. J. Adjustable drive for spindle feeds. 1,822,692; Sept. 8.
De Leeuw, Adolph L., Plainfield, N. J., assignor to Gotham Knitbac Machine Corporation, New York, N. Y. Fabric repairing apparatus. 1,818,696; Aug. 11.
De Le Fond, Charles. (See Doesken, Henry, assignor.)
De le Garde, Theo M., et al. (See Bouma, Wikke, assignor.)
De Leon, Joseph, Chicago, Ill. Game board. Des. 85,735; Dec. 15.
Deléry, Edna F., tutrix, administering the estate. (See Deléry, Eugene F.)
Deléry, Eugene F., deceased, New Orleans, La.; E. F. Deléry, tutrix, administering the estate. Fluid filter and the like. 1,788,383; Jan. 13.
Delhaye, George W., Highland Park, Ill. Foot measuring device. 1,837,809; Dec. 22.
Deli, Frank C., Chicago, Ill. Pencil. Des. 83,152; Jan. 27.
Deli, Frank C., assignor to Autopoint Company, Chicago, Ill. Adjustable pen support. 1,813,233; July 7.
Deli, Frank C., assignor to Autopoint Company, Chicago, Ill. Cap for pens. 1,838,747; Dec. 29.
Deli, Frank C., assignor to Autopoint Company, Chicago, Ill. Adjustable pen support. 1,838,748; Dec. 29.
De Liefde, William C., assignor to Naamlooze Vennootschap: Electro Zuurstofen Waterstoffabriek, Amsterdam, Netherlands. Polymerization product of acetylene and producing the same. 1,828,560; Oct. 20.
Deligianes, Thomas N., Chicago, Ill. Napkin holder. Des. 84,518; June 30.
Deligianes, Thomas N., and A. A. Bourdes, Chicago, Ill. Dispensing device. 1,832,692; Nov. 17.
Deligianes, Thomas N., and A. A. Bourdes, Chicago, Ill. Service apparatus. 1,837,149; Dec. 15.
De Liso, Vincent, Astoria, assignor to Saks & Co., New York, N. Y. Shoe. Des. 84,627; July 14.
De Liso, Vincent, Astoria, N. Y., assignor to Saks & Co., New York, N. Y. Shoe. Des. 84,924; Aug. 25.
De Liso, Vincent, Astoria, assignor to Saks & Co., New York, N. Y. Shoe. Des. 84,979; Sept. 1.
De Liso, Vincent, Astoria, assignor to Saks & Co., New York, N. Y. Shoe. Des. 84,980; Sept. 1.
Delitsch, Otto, Brooklawn, Gloucester, N. J., assignor to Westinghouse Electric & Manufacturing Company, Valve-actuating mechanism. 1,789,353; Jan. 20.
Dell, George W., assignor to The Triumph Manufacturing Company, Cincinnati, Ohio. Dough-forming means and method of forming dough. 1,787,778; Jan. 6.
Dell, George W., Cheviot, assignor to The Triumph Manufacturing Company, Cincinnati, Ohio. Dough molding machine. 1,818,945; Aug. 11.
Dellaree, Frank H., assignor of one-half to R. W. Bailey, Detroit, Mich. Screw feeding mechanism. 1,813,697; July 7.
Dell'era, Angelo S., San Rafael, and J. Barnes, San Francisco, assignors of one-third to G. F. Stover, San Francisco, Calif. Percussor and vibrator. 1,796,444; Mar. 17.
Delling Motors Company. (See Delling, P. R., and Lindemann, assignors.)
Delling, Paul R., Haddon Township, Camden County, and H. W. Lindemann, Collingswood, N. J., assignors to Delling Motors Company. Boiler header. 1,789,427; Jan. 20.
Delling, Paul R., Haddonfield, N. J., and H. W. Lindemann, Gary, Ind.; said Lindemann assignor to said Delling. Chassis layout. 1,830,386; Nov. 3.

Dellinger, Martin C. (See Kulp, H. W., and Dellinger.)
Dellinger, Martin C., Lancaster, Pa. Safety razor handle. 1,819,742; Aug. 18.
Dellwo, John, Forest Lake, Minn. Anticreeper for railway rails. 1,799,041; Mar. 31.
Delman, Inc. (See Ellington, Ferdinand W., assignor.)
Delman, Inc. (See Morali, Charles, assignor.)
Delmanhorst, Herman F. (See Dodge, Clinton C., assignor.)
Delmanhorst, Herman F., assignor, by mesne assignments, to Louisville Frog, Switch & Signal Company, Louisville, Ky. Reflecting device. 1,807,393; May 26.
Del Mar, Harry, assignor to W. Wright, New York, N. Y. Riser radiator. 1,838,083; Dec. 29.
Del Mar, William A., Greenwich, Conn., assignor to Habirshaw Cable & Wire Corporation, New York, N. Y. Impregnating cables. 1,815,706; July 21.
Delmon, Albert G., and V. M. Lastra, Tampa, Fla. Necktie fastener. 1,807,623; June 2.
Delmont, Anthony. (See Fabio, Dominick, assignor.)
De Loach, Daniel O., Savannah, Ga. Nut cracker. 1,827,643; Oct. 13.
Deloison, Fernand, La Delivrance par Lomme, France. Railway car retarder. 1,825,899; Oct. 6.
Delon, Jules, Paris, France. Electric cable. 1,837,952; Dec. 22.
De Long, Charles E., San Diego, Calif., assignor to Sangamo Electric Company, Springfield, Ill. Electrically wound clock. 1,801,543; Apr. 21.
De Long, Charles E., San Diego, Calif., assignor to Sangamo Electric Company, Springfield, Ill. Astronomical time switch. 1,826,749; Oct. 13.
De Long, Horace T., and J. W. Hyer, Grand Junction, Colo. Attachment for cots or the like. 1,788,370; Jan. 13.
De Long, James E. (See Fisher, J. B., and De Long.)
De Long, William H. (See Ingram, B. L., and De Long.)
De Lopatto, Janvier, Washington, D. C. Antiskid device. 1,830,983; Nov. 10.
Deloraine, Edmond M., Blackheath, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Absorption control modulating system. 1,795,714; Mar. 10.
De Lorenzi, Otto, Maplewood, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Pulverized-coal-burning boiler furnace. 1,792,104; Feb. 10.
De Lorenzi, Otto, Maplewood, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler and furnace. 1,832,103; Nov. 17.
Delorme, Alfred, Springfield, Mass. Nipple extractor. 1,813,567; July 7.
Delp, Roland A., Oakland, Calif. Automobile top. 1,819,545; Aug. 18.
Delph, Albert E. (See Shedden, F., Delph, and Baguley.)
Delphos Bending Company, The. (See Livingston, Troy R., assignor.)
Delphos Printing Press Corp. (See Laubach, Howard E., assignor.)
Del Pont, Enrique M. (See Abela, Enrique, assignor.)
Del-Prete, Joseph, assignor to Automobile Warning Signal Corporation, Chicago, Ill. Automatic warning signal. 1,808,022; June 2.
Del Riccio, Lorenzo, Los Angeles, Calif., assignor to Paramount Publix Corporation, New York, N. Y. Apparatus for producing motion pictures. 1,832,739; Nov. 17.
Delta Electric Company. (See Wiley, Lee M., assignor.)
Delta Manufacturing Company. (See Tautz, Herbert E., assignor.)
Delta-Star Electric Company, The. (See Alsaker, Alfred, assignor.)
Delta-Star Electric Company, The. (See Alsaker, A., and Nordhem, assignors.)
Delta Star Electric Company, The. (See Alsaker, A., and Skau, assignors.)
Delta-Star Electric Company, The. (See Alsaker, A., and Stene, assignors.)
Delta Star Electric Co., The. (See Hampton, W. O., and Thompson, assignors.)
Delta-Star Electric Company, The. (See Van Ryan, T., and Alsaker, assignors.)
Deltex Company, The. (See Chapin, Edward S., assignor.)
Deltox Rug Company. (See Schmiedel, William, assignor.)
Del Turco, Louis, Newark, N. J. Method and means for securing treads to steel subtreads. 1,812,504; June 30.
De Lukacsevics, Charles, assignor to H. V. Book, Detroit, Mich. Lava-earthenware or mineral friction element or lining for railway and other brakes in general. 1,823,591; Sept. 15.
De Lukacsevics, Charles, assignor to L. Byrne, Detroit, Mich. Shock absorber. 1,834,446; Dec. 1.
De Luxe Metal Furniture Company. (See Sandberg, Robert E., assignor.)
Del Valle, Francisco G. (See de Armas y Manrique, A., and del Valle.)
Del Valle, Guillermo A., Schenectady, N. Y., assignor to General Electric Company. Film phonograph. 1,822,727; Sept. 8.
De Madaler, Arthur, Rochester, assignor, by mesne assignments, to Visionola Mfg. Corporation, New York, N. Y. Synchronized motion picture and sound reproducing machine. 1,815,693; July 21.
De Madaler, Arthur, Hampton Bays, assignor, by mesne assignments, to Visionola Mfg. Corporation, New York, N. Y. Synchronously operated motion picture and sound reproduction apparatus. 1,815,694; July 21.
Demag Aktiengesellschaft. (See Idel, Hermann, assignor.)
De Malaussene, Henri S., Los Angeles, assignor, by mesne assignments, to A. L. Bernheimer, Santa Monica, Calif. Power supply for radio receiving sets. 1,823,592; Sept. 15.
De Marchi, Carlos, Los Angeles, Calif. Water vehicle. 1,804,972; May 12.
Demarest, Thomas W., Pittsburgh, Pa. Crosshead shoe. 1,803,749; May 5.
De Markus, Louis, Pittsburgh, Pa., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Carbonator. 1,827,386; Oct. 13.
Demary, Albert, Endicott, N. Y. Shovel. 1,829,584; Oct. 27.
De Mask, Martin J., Pittsfield, Mass. Multiple base plug receptacle. 1,805,572; May 19.
De Mask, Martin J., Pittsfield, Mass. Plug. 1,817,879; Aug. 4.
Demasters, Lemuel E., Portland, Oreg. Signal apparatus. 1,789,730; Jan. 20.
De Mattia, Barthold, Passaic, N. J. Ball mold press. 1,815,400; July 21.
De Mattia, Constant, assignor to Vincent Steel Process Company, Detroit, Mich. Emery wheel dressing tool. 1,805,514; May 19.
De Mattia, Peter, Passaic, N. J., assignor to National Rubber Machinery Company. Collapsible tire building form. 1,808,295; June 2.
De Mattia, Peter, Passaic, N. J., assignor to National Rubber Machinery Company. Vulcanizing mold for inner tubes and the like. 1,812,821; June 30.
De May, Ivan P., Newark, N. Y. Foldable guard for jointer machines. 1,788,663; Jan. 13.
DeMeillers, Raoul A. (See Jacobson, H. W., and Demeillers.)
De Meo Brothers. (See Manfredi, Pietro J., assignor.)
Demeree, Richard J. (See Miller, J. J., Demeree and Delafield.)
De Mers, Clayton D., assignor to Taylor Instrument Companies, Rochester, N. Y. Controlling the operation in pulp grinding. 1,806,238; May 19.
De Mers, Clayton D., assignor to Taylor Instrument Companies, Rochester, N. Y. Drier control. 1,815,648; July 21.
Demers, Isaie J. B., assignor to Superior Metal Products Company, St. Paul, Minn. Milk cooler. 1,826,750; Oct. 13.
De Mesquita, Jacques L., Jersey City, N. J. Fire-alarm box. 1,794,157; Feb. 24.
Deming, William L., Salem, Ohio. Folding table. 1,818,118; Aug. 11.
Deming, William L., Salem, Ohio. Writing pad support. 1,820,184; Aug. 25.
Demkee, John H., New Haven, assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Prong buckle. 1,824,333; Sept. 22.
Demlinger, Morris, Chicago, Ill. Combination folding bed and imitation fireplace. 1,813,282; July 7.
Demmler, Henry L., Kewanee, Ill. Core booking apparatus. 1,822,205; Sept. 8.
Democratis, Achille J., London, England. Variable speed and torque converter. 1,834,689; Dec. 1.
De Moe Engineering Laboratories, Inc., The. (See McKnight, R. R., and Webber, assignors.)
Demonet, Eugene A., Brooklyn, N. Y., and P. S. Copenhaver, Bayonne, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Busy trunk line signal system. 1,814,899; July 14.
Demonet, Eugene A., Brooklyn, N. Y., and P. S. Copenhaver, Bayonne, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Potential distributing block. 1,817,737; Aug. 4.
Demonet, Eugene A., Brooklyn, N. Y., and P. S. Copenhaver, Bayonne, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Jack panel unit. 1,817,738; Aug. 4.
Demongeot, Jacques. (See Jonkergouw, R., and Demongeot.)
De Montmollin, Guillaume. (See Bommer, de Montmollin, Frohlich, Grieshaber, Jaek and Felix.)
De Montmollin, Guillaume. (See Gubler, H., de Montmollin, and Spieler.)
De Montmollin, Guillaume, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs. 1,791,444; Feb. 3.
De Montmollin, Guillaume, Basel, and M. Schmid, Riehen, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Aza-dyestuffs of the pryazolone series and making same. 1,828,599; Oct. 20.
Dempsey, Edward C., assignor of one-fourth to G. C. Mitchell, Wink, and one-fourth to E. M. Hammer, Winkler County, Tex. Automatic shut-off valve for oil tanks. 1,788,280; Jan. 6.
Dempsey, James F., New York, N. Y. Recording device. 1,793,067; Feb. 17.
Dempster, Burgess, Berkeley, Calif., and J. C. Koons, Evanston, Ill., assignors to The Magnavox Company, Oakland, Calif. Loud speaker. 1,808,297; June 2.

Dempster, John A., Schenectady, N. Y., assignor to General Electric Company. Elastic-fluid machine. 1,779,288; Feb. 10.
Dempster Mill Manufacturing Co. (See Loeber, Herman M., assignor.)
Dempster Mill Manufacturing Company. (See Schlachter, Henry, assignor.)
Dempster Mill Manufacturing Company. (See Smethers, J. A., and Elliott, assignors.)
De Munbrun, Ferdinand D., Indianapolis, Ind. Burglar alarm. 1,824,663; Sept. 22.
De Muth, Wm., & Co. (See Hutcheson, Ray R., assignor.)
Demuth, Wm., & Co. (See Mariana, Frank, assignor.)
Demuynck, Alphonse, Brussels, Belgium. Internal combustion rotary engine. 1,818,882; Aug. 11.
De Narde, Florian, Cleveland, Ohio. Propeller. 1,802,808; Apr. 28.
Denaro, James, Cambridge, Mass. Edible container. Des. 85,326; Oct. 13.
De Navrotzky, Nicolas, Paris, France. Apparatus for the recovery of the alcohol evolved by bread baking ovens. 1,822,804; Sept. 8.
Den Boer, Marinus M., assignor to Naamlooze Vennootschap, Bakovenbouw V. H. H. P. den Boer, Dordrecht, Netherlands. Device for setting up biscuits, cakes, and the like. 1,791,399; Feb. 3.
Dencklau, Karl R., Plainfield, N. J. Carbon pack. 1,808,840; June 9.
Denehie, William A., Los Angeles, Calif. Removable body mechanism for trucks. 1,816,041; July 28.
Den Hertog, Martinus. (See Stevens, C. E., and den Hertog.)
Denicke, Clarence H. (See Getzen, J. E., Denicke, and Crowe.)
De Niederhäusern, Georges, assignor to the Firm: Durand & Huguenin S. A., Basel, Switzerland. Dyeing and printing cellulose esters. 1,816,766; July 28.
De Niet, Dirk, Ijmuiden, Netherlands. Device for preventing the sinking and sticking of the ground rope of tow nets. 1,823,593; Sept. 15.
Denison, Frederick S., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Circuit maker and breaker. Re17,993; Mar. 10.
Denison, Frederick S., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Battery-cut-out switch. 1,796,511; Mar. 17.
Denison, Frederick S., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic switch. 1,818,697; Aug. 11.
Denison, William C., Cleveland Heights, Ohio. Air conditioning device. 1,829,341; Oct. 27.
Denler, Edward E., Mexico City, Mex. Manufacture of cardboard containers. 1,798,193; Mar. 31.
Denman, Charles S. (See Conrath, George A., assignor.)
Denman, Earl W., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,795,013; Mar. 3.
Denman, Earl W., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor operated time switches. 1,837,022; Dec. 15.
Denmead, John W., Akron, Ohio. Tile cutting machine. 1,826,056; Oct. 6.
Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Stock pick-up and handling mechanism. 1,793,843; Feb. 24.
Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Air bag. 1,801,335; Apr. 21.
Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Process and apparatus for covering tire beads. 1,808,710; June 2.
Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Vulcanizing apparatus. 1,808,711; June 2.
Denmire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Pneumatic tire and method of and apparatus for building the same. 1,810,072; June 16.
Denmire, Harold A., assignor to The General Tire and Rubber Company, Akron, Ohio. Fabric cutting machine. 1,819,773; Aug. 18.
Denner, Peter F., and J. C. Estes, Kalamazoo, Mich. Paper sorting machine. 1,812,201; June 30.
Dennert, Edward C., and H. St. Bernard, Detroit, assignors of one-third to Joseph Paonessa, Detroit, Mich. Automobile jack. 1,794,675; Mar. 3.
Denney, Harvey J., Westlake, La. Inside pipe cutter. 1,805,515; May 19.
Denney, Harvey J., Westlake, and J. Gaunt, Lake Charles, La. Sucker rod guide. 1,815,461; July 21.
Denney, Harvey J., Westlake, La. Pipe puller. 1,815,462; July 21.
Denney, Louis S., Mount Vernon, Ohio. Hot water heater. 1,805,165; May 12.
Dennhardt, Chester P., Los Angeles, Calif. Method of and apparatus for demulsifying petroleum. 1,814,298; July 14.
Dennie, Edward B., Rochester, N. Y., assignor to Deco Engineering Corporation, Las Vegas, Nev. Beater for textile floor coverings, such as rugs and carpets. 1,834,941; Dec. 8.
Dennie, Harry E., Chicago, Ill. Hose clamp. 1,796,006; Mar. 10.
Denning, Rufus R., Pueblo, Colo. Putty remover. 1,821,742; Sept. 1.
Dennis, Adolphus S., Oakland, Calif., assignor to Monroe Calculating Machine Company, Orange, N. J. Attachment for calculating machines. 1,803,464; May 5.
Dennis, Alfred A., assignor to Veneer Machinery Company, Grand Rapids, Mich. Jointer. 1,805,906; May 19.
Dennis, Alfred A., assignor to Veneer Machinery Company, Grand Rapids, Mich. Veneer taping machine. 1,805,907; May 19.
Dennis, Basil W. Columbus, Ohio. Expansion joint or coupling. 1,803,665; May 5.
Dennis, Clark M., Montclair, N. J. Treatment of iron and steel. 1,827,223; Oct. 13.
Dennis, Clifford G. (See Duschak, L. H., and Dennis.)
Dennis, Hugh. New York, N. Y., assignor, by mesne assignments, to M. Dennis. Continuous process for the decorating of a fabric and device for carrying out said process. 1,811,497; June 23.
Dennis, J. C., Co. (See Seifferle, Oliver, assignor.)
Dennis, John A., Edison, Calif. Leverage power lift device. 1,824,077; Sept. 22.
Dennis, Madeleine. (See Dennis, Hugh, assignor.)
Dennis, Samuel D., Chillicothe, Mo. Electrician's tape gripper. 1,806,844; May 26.
Dennis, Samuel K., Chicago, Ill., assignor to International Harvester Company. Checkrow planter. 1,811,041; June 23.
Dennis, W. J., & Company. (See Dalton, Thomas, assignor.)
Dennis, Willis O. (See Crosthwait, Asa B., assignor.)
Dennison, Frank G., Newton, assignor to Spraco, Inc., Somerville, Mass. Spray table. 1,821,694; Sept. 1.
Dennison, French E., and W. S. Ireland, assignors to National Refrigeration Corporation, Beloit, Wis. Expansion valve. 1,807,200; May 26.
Dennison, Lawrence I., St. Louis, Mo., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for handling articles. 1,833,637; Nov. 24.
Dennison Manufacturing Company. (See Kallander, Ernest L., assignor.)
Dennison Manufacturing Company. (See McGovern, Henry P., assignor.)
Dennison Manufacturing Company. (See McNally, William J., assignor.)
Dennison Manufacturing Company. (See Sayler, Galen H., assignor.)
Denniss, Alfred J., Chingford, and V. W. Edwards, assignors to The Houghton-Butcher Manufacturing Company Limited, London, England. Device for protecting photographic roll films from edge fog. 1,794,280; Feb. 24.
Denniss, Alfred J., Chingford, and V. W. Edwards, Walthamstow, London, assignors to The Houghton-Butcher Manufacturing Company Limited, London, England. Pressure plate or pad for photographic cameras. 1,827,464; Oct. 13.
Denniss, Jeffrey, and T. Reid, Sydney, New South Wales, Australia. Tanning hides and skins. 1,828,130; Oct. 20.
Denniston, Baron D., Oak Bluffs, Mass. Noise-making toy. 1,794,106; Feb. 24.
De Normanville, Edgar J., London, England. Control mechanism for variable velocity ratio gearing. 1,839,088; Dec. 29.
Denoux, René, Paris, France. Acoustic receiver. 1,806,598; May 26.
De Noya, Everett A., assignor of one-half to F. Soderstrom, Pawhuska, Okla. Wading boat. 1,824,711; Sept. 22.
De Noya, Everett A., assignor of one-half to F. Soderstrom, Pawhuska, Okla. Oar. 1,824,712; Sept. 22.
Densmore, Benjamin V., Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine blade. 1,793,468; Feb. 24.
Densmore, Benjamin V., Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reaction blading. 1,828,409; Oct. 20.
Densmore, Leroy F., Kenosha, Wis. Flue cleaner. 1,790,003; Jan. 27.
Densmore, Leroy F., assignor of one-half to W. H. Quinlan, Kenosha, Wis. Pipe cleaner. 1,831,099; Nov. 10.
Dent Hardware Company, The. (See Schrader, Thomas O., assignor.)
Dent, Richard O., New York, N. Y. Typist's rule. 1,791,124; Feb. 3.
Dentler, Arnold E., assignor to W. H. Miner, Inc., Chicago, Ill. Apparatus for testing draft gears. 1,829,128; Oct. 27.
Dentists' Supply Company, The. (See Dunham, Lawrence W., assignor.)
Dentists' Supply Company, The. (See Gibson, Albert E., assignor.)
Dentists' Supply Company of New York, The. (See Clapp, George W., assignor.)
Denton, James E., assignor of one-fourth to J. A. and B. A. Wallace, Irvine, Ky. Adjusting or tuning device for variable condensers. 1,825,511; Sept. 29.
Denton, Thomas B., East Orange, N. J., assignor to Rubber & Celluloid Products Co. Stencil brush. Des. 83,190; Feb. 3.
Denton, William L., Southwick, England. Collar stud. 1,796,983; Mar. 17.

Denver Rock Drill Manufacturing Company, The. (See Katterjohn, August H., assignor.)
Denyes, Harry M. (See Kull, W. A., and Denyes.)
Denyes, Harry M., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Horn-button-switch assembly. 1,791,525; Feb. 10.
Denyes, Harry M., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Yieldable pitman arm. 1,795,928; Mar. 10.
Denyes, Harry M., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Switch. 1,798,931; Mar. 31.
De Orlow Products Corporation. (See De Orlow, Stephen, assignor.)
De Orlow, Stephen, assignor to De Orlow Products Corporation, Lansing, Mich. Skate. 1,820,302; Aug. 25.
De Pamphilis, Gennaro, New York, N. Y. Pad. 1,805,761; May 19.
De Pamphilis, Gennaro, New York, N. Y. Paper perforating device for typewriters. 1,818,046; Aug. 11.
De Penning, John C., Portland, Oreg. Ironing table. 1,792,969; Feb. 17.
De Penning, John C., Portland, Oreg. Iron holder. 1,820,270; Aug. 25.
De Pett Casement Corporation. (See Pettit, Charles L., assignor.)
Depew, C. J. (See Peters, Cornelius A., assignor.)
De Polo, Alfred, Connellsville, Pa. Propeller. 1,805,359; May 12.
De Ponte, Venturo, Brooklyn, N. Y. Switch for electrical devices. 1,796,591; Mar. 17.
De Postels, Theodore A., New York, N. Y. Drafting appliance. 1,807,237; May 26.
Deppe, C G Henry, Portland, Oreg. Lock hook. 1,814,900; July 14.
Deppe, William P. (See Musso, Alfred, assignor.)
Deppé, William P., Brightwaters, N. Y. Internal combustion engine. 1,811,540; June 23.
Deppé, William P., Brightwaters, N. Y. Internal combustion engine. 1,815,432; July 21.
Deppé, William P., Brightwaters, and L. L. Summers, deceased, New York, N. Y.; L. L. B. Summers, and A. Young, administrators. Cracking process. 1,804,917; May 12.
Deppeler, John H., Weehawken, N. J. Welding long seams. 1,795,332; Mar. 10.
Deppeler, John H., Weehawken, N. J. Mold for aluminothermic welding of rails. 1,813,032; July 7.
Deppeler, John H., Weehawken, N. J. Alumino-thermic steel. 1,815,052; July 21.
Deppner, George, Youngstown, Ohio. Marine vessel. 1,798,594; Mar. 31.
De Pree, Dick J., assignor to Herman Miller Clock Company, Zeeland, Mich. Clock case. Des. 85,368; Oct. 20.
Depriester, Raymond, Paris, France, assignor to International Communications Laboratories Inc., New York, N. Y. Power supply apparatus for electron tubes. 1,834,271; Dec. 1.
Depue, Michael H., Homer, Ill. Control for airplanes. 1,808,344; June 2.
Deputy, Horace E., Detroit, Mich. Piston. 1,790,230; Jan. 27.
Deputy, Horace E., Long Beach, Wash. Piston ring. 1,798,458; Mar. 31.
Deputy, Horace E., Detroit, Mich. Making composite pistons. 1,807,689; June 2.
De Puy, Clarence, Newark, and R. Brindle, jr., West Orange, assignors to Arcturus Radio Tube Company, Newark, N. J. Machine for forming bead wires. 1,811,457; June 23.
De Ram, Georges H. E., Boulogne-sur-Seine, France. Frictional shock absorber with hydraulic control. 1,805,466; May 19.
Derby, Frank H., assignor to Erie Foundry Company, Erie, Pa. Hammer. 1,834,386; Dec. 1.
Derby, Ira H., and O. D. Cunningham, assignors to P. C. Reilly, Indianapolis, Ind. Ore flotation process. Re18,116; June 30.
Derby, Ira H., and O. D. Cunningham, assignors to P. C. Reilly, Indianapolis, Ind. Process of flotation. 1,812,839; June 30.
Derby, Ira H., and O. D. Cunningham, assignors to P. C. Reilly, Indianapolis, Ind. Froth flotation of ores. 1,813,344; July 7.
Derby, Ira H., and O. D. Cunningham, assignors to P. C. Reilly, Indianapolis, Ind. Ore flotation. 1,813,345; July 7.
Derby, Ira H., and O. D. Cunningham, assignors to P. C. Reilly, Indianapolis, Ind. Ore flotation and flotation agent. 1,813,346; July 7.
Derby, Ira H., and O. D. Cunningham, assignors to P. C. Reilly, Indianapolis, Ind. Ore flotation. 1,833,740; Nov. 24.
Derby, John H., Scarsdale, N. Y. High-low gravity tank alarm float. 1,838,135; Dec. 29.
Derby, Norman L., Long Island City, N. Y. Heating system. 1,794,448; Mar. 3.
Derby, Thomas N., Roundlake, N. Y., assignor, by mesne assignments, to said Thomas N. Derby and E. S. Bentley. Cap and pourer. 1,811,113; June 23.
Derbyshire, William, Los Angeles, Calif. Baby crib. 1,827,739; Oct. 20.
De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Combined switch and brush holder. 1,813,889; July 7.
De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Electric switch. 1,817,807; Aug. 4.
De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Metal insert for molded parts and making the same. 1,827,565; Oct. 13.
De Remer, J. G. Research Corporation. (See De Remer, Jay G., assignor.)
De Remer, Jay G., Greenwich, Conn., assignor, by mesne assignments, to J. G. Deremer Research Corporation, Jersey City, N. J. Portable massage machine. 1,802,140; Apr. 21.
De Remer, Jay G., Greenwich, Conn., assignor, by mesne assignments, to J. G. Deremer Research Corporation, Jersey City, N. J. Massage belt. 1,807,308; May 26.
De Remer, Jay G., Greenwich, Conn., assignor, by mesne assignments, to J. G. Deremer Research Corporation, Jersey City, N. J. Automatic refrigeration. 1,807,774; June 2.
De Remer, Jay G., Greenwich, Conn., assignor, by mesne assignments, to J. G. de Remer Research Corporation, Jersey City, N. J. Massage apparatus. 1,818,465; Aug. 11.
De Remer, Jay G., Greenwich, Conn., assignor by mesne assignments to J. G. Beremer Research Corporation, Jersey City, N. J. Refrigerating system. 1,830,314; Nov. 3.
De Rentiis, Augusto. (See Baccellieri, R., and De Rentiis.)
Dereser, Richard, and K. Moldaenke, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-insoluble azo dyestuffs and material dyed therewith. 1,806,047; May 19.
Derfer, R. Lagrand. (See Potter, Charles C., jr., assignor.)
De Ridder, Ernst Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Method of and apparatus for producing profile strips from sheet magnesium alloys. 1,823,489; Sept. 15.
De Riz, Gisela, Vienna, Austria. Bicycle frame. Des. 85,327; Oct. 13.
Derman, Harry, Bronx, N. Y. Cabinet. 1,831,1847; Nov. 17.
Dern, Louis, Forest Park, Ill. Valve. 1,795,387; Mar. 10.
De Rocher, Arthur H., Seattle, Wash. Loading and transporting device. 1,793,545; Feb. 24.
De Rohden, Charles, Baltimore, Md., assignor to Commercial Pigments Corporation, New York, N. Y. Production of titanium compositions. 1,797,760; Mar. 24.
De Roo, William C., assignor to The Fosdick Machine Tool Company, Cincinnati, Ohio. Safety catch mechanism. 1,799,358; Apr. 7.
De Roo, William C., assignor to The Fosdick Machine Tool Company, Cincinnati, Ohio. Drill head safety mechanism. 1,824,894; Sept. 29.
De Roo, William C., assignor to The Fosdick Machine Tool Company, Cincinnati, Ohio. Electrically operated column clamp for radial drills. 1,825,181; Sept. 29.
De Roode, Trimble, New York, N. Y. Sleeping car. 1,834,093; Dec. 1.
De Rousse, Charles B. (See Roberts, G. Y., and De Rousse.)
Derr, Earle W., assignor to Rubber Craft Products Company, Akron, Ohio. Mat. 1,805,038; May 12.
Derr, Harry E., sr., Akron, Ohio, assignor to International Harvester Company, Chicago, Ill. Steering control for motor vehicles. 1,802,004; Apr. 21.
Derr, Thomas S., Brookline, Mass., assignor to The Bristol Company, Waterbury, Conn. Venting device for liquid and vapor apparatus. 1,837,023; Dec. 15.
Derrick, George H. (See Alexander, E., Dutton, and Derrick.)
Derrick, George H., deceased, Oakland, Calif.; V. A. Derrick, executrix, assignor, by mesne assignments, to Instograph, Ltd., of California. Time-recording device. 1,797,332; Mar. 24.
Derrick, George H., deceased, by V. A. Derrick, executrix, Oakland, Calif., assignor, by mesne assignments, to Instograph, Ltd. Electric switch. 1,804,748; May 12.
Derrick, Victory A., executrix. (See Alexander, E., Dutton, and Derrick.)
Derrick, Victory A., executrix. (See Derrick, George H.)
Derrick, William I., assignor to Westco Pump Company, Davenport, Iowa. Bearing for rotary pumps. 1,827,811; Oct. 20.
Derry, Charles H., Alliance, Ohio. Radiocabinet. 1,804,000; May 5.
Derry, Gardner C., Sharon, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Heat exchange apparatus and operating the same. 1,825,656; Oct. 6.
Derry, Jasper, Medford, assignor to A. Terkelsen, Newton, Mass. Wrapping machine. 1,807,651; June 2.
Derryberry, Ben F., Lewisburg, Tenn. Pencil sanding machine. 1,827,859; Oct. 20.
Desamari, Kurt, Leverkusen-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Alkyl-quinolyl-amino-phenyl carboxylic acids. 1,810,267; June 16.
De Sana, Arthur J., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Cowl molding. 1,811,262; June 23.
De Saussure Equipment Company. (See De Saussure, William P., jr., assignor.)
De Saussure, William P., jr., Englewood, N. J., assignor to De Saussure Equipment Company, West New York, N. J. Checking device. 1,814,436; July 14.

De Saussure, William P., jr., Englewood, assignor to De Saussure Equipment Company, West New York, N. J. Hat and coat rack. 1,835,762; Dec. 8.
Desautels, Charles H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire former and chuck. 1,832,478; Nov. 17.
Des Champs, James W., Sumter, S. C. Pump. 1,816,316; July 28.
Deschene, Adelard G., and E. A. Brunelle, Somersworth, N. H. Nut-cooking machine. 1,789,428; Jan. 20.
Deschermeier, Frank S. (See Hochriem, G. F., and Deschermeier.)
Deseniss, Max, assignor to A. Feurich, Hamburg, Germany. Stencil for copying purposes. 1,823,260; Sept. 15.
Deservi, Mario, Oakland, Calif. Automobile. Des. 85,736; Dec. 15.
Desfosse, Paul. (See Poncel, Alexis, assignor.)
De Sherbinin, William N., Hastings-upon-Hudson, N. Y. Coin bank. Des. 83,668; Mar. 17.
Design Mfg. Co. Inc. (See Dechau, Otto W., assignor.)
De Silva, Roberto. (See Newton, C. D., and de Silva.)
De Silva, Roberto, and M. E. Long, assignors to Carl D. Newton, San Antonio, Tex. Automatic cutting, stamping, and photo printing machine. 1,817,880; Aug. 4.
Desimone, Cornelius A., Ventnor, N. J., assignor to John Wood Manufacturing Company, Conshohocken, Pa. Liquid dispensing apparatus. 1,826,204; Oct. 6.
De Simone, Luigi, and G. Ciriacono, New York, N. Y. Gas flow alarm switch. 1,808,100; June 2.
De Simone, Michele G., Stapleton, assignor to George B. Agnew, New York, N. Y. Calculating machine. 1,809,811; June 9.
De Simone, Peter, Brooklyn, N. Y. Hat blocking machine. 1,813,795; July 7.
Des Jardins, Benjamin M., West Hartford, Conn. Variable escapement for typewriters. 1,812,394; June 30.
Des Jardins, Benjamin M., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,802,500; Apr. 28.
Des Moines Incubator Company. (See Ebersole, William, assignor.)
Desmond, Daniel, assignor to American Optical Company, Southbridge, Mass. Measuring device. 1,804,749; May 12.
Desmond, John E., Muskegon Heights, assignor, by mesne assignments, to Desmond Manufacturing Company, Muskegon, Mich. Sprinkling apparatus. 1,811,042; June 23.
Desmond, John J., Hubbard Woods, Ill., assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Switch. 1,796,361; Mar. 17.
Desmond, John J., Hubbard Woods, Ill., assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Lighting fixture. 1,822,019; Sept. 8.
Desmond Manufacturing Company. (See Campbell, Robert B., assignor.)
Desmond Manufacturing Company. (See Desmond, John E., assignor.)
Desmond, Matthew F., Burlingame, Calif. Luggage clamp. 1,814,371; July 14.
De Sousa, Antonio J., New Bedford, Mass. Fuel saver for internal-combustion engines. 1,798,727; Mar. 31.
De Spain, Louis B., San Francisco, Calif. Siphon device 1,788,709; Jan. 13.
Despard, Victor R., Valparaiso, Ind., assignor to McGill Manufacturing Company. Lamp-socket switch and mounting the same. 1,793,422; Feb. 17.
Despard, Victor R., and H. C. R. Popp, Valparaiso, Ind., assignors to McGill Manufacturing Company. Electric-light cluster. 1,797,607; Mar. 24.
Desplats, José, Buenos Aires, Argentina. Locking bolt for spring locks. 1,788,016; Jan. 6.
Despres Dowel Mfg. Co. (See Brochu, Michael, assignor.)
Despret, Georges P., Paris, assignor to Compagnies Reunis Des Glaces & Verres Speciaux Du Nord De La France, Boussois-Sur-Sambre, Nord, France. Wind screen and glazing for motor and other vehicles. 1,820,601; Aug. 25.
Desrosiers, Elzear, Lawrence, Mass. Holder for clothes driers. 1,792,574; Feb. 17.
Dessaules, Pierre. (See Chapuis, C., and Dessaules.)
Dester, William F., Maplewood, N. J., assignor to Westinghouse Lamp Company. Manufacturing eyelets of metals of the tungsten-molybdenum class. 1,838,749; Dec. 29.
Destree, Joseph, Brussels, Belgium. Cartridge case for firearms. 1,834,020; Dec. 1.
Destree, Joseph, Brussels, Belgium. Firearm. 1,834,021; Dec. 1.
Destrée, Joseph C., The Hague, Netherlands. Screen, particularly wind screen for vehicles. 1,837,953; Dec. 22.
Destro, Joseph J., Cleveland, Ohio. Heel protector. 1,828,246; Oct. 20.
De Stubner, Emile, Newark, N. J. Pigmented or colored soluble cellulose and making the same. 1,795,764; Mar. 10.
De Tar, Donald R., Schenectady, N. Y., assignor to General Electric Company. Instrument-control element. 1,800,055; Apr. 7.
De Tar, Donald R., Schenectady, N. Y., assignor to General Electric Company. Current regulating device. 1,804,250; May 5.
De Tar, Donald R., Schenectady, N. Y., assignor to General Electric Company. Adjustable electric device. 1,825,583; Sept. 29.
De Tar, Donald R., Schenectady, N. Y., assignor to General Electric Company. Tuning device for radio apparatus. 1,830,595; Nov. 3.
De Tartas, Augustus R., Douglas Manor, Long Island, N. Y. Photographic reversal process. 1,814,788; July 14.
De Terra, Maximilian, Zurich, Switzerland. Tooth back plate for artificial teeth. 1,802,408; Apr. 28.
Detmore, Theodore W., Osceola, Nebr. Wheel scraper. 1,808,639; June 2.
Det Norske Aktieselokab for Elektrokemisk Industrie. (See Sem, Mathias O., assignor.)
De Tovaros, Gyula F., Budapest, Hungary. Pantograph current collector for electric vehicle. 1,818,842; Aug. 11.
De Tóváros, Julius F., Budapest, Hungary. Tiltable current collector plate for overhead conductors of electric railways. 1,802,076; Apr. 21.
De Trairup, Martin K., London, England. Treatment of Aluminum. 1,827,142; Oct. 13.
Detrick, M. H., Company. (See Hosbein, L. H., assignor.)
Detrick, M. H. Company. (See Hosbein, Louis H., assignor.)
Detrick, M. H., Company. (See Lanyon, Samuel H., assignor.)
Detrick, M. H., Company. (See Sheahan, Frank L., assignor.)
Detroit Aircraft Corporation. (See Vultee, Gerard, assignor.)
Detroit Body Die Company. (See Purdy, Emmett G., assignor.)
Detroit, Dental Manufacturing Company. (See Kerr, Robert M., assignor.)
Detroit Gasket & Mfg. Co. (See Balfe, George T., assignor.)
Detroit Harvester Company. (See Horste, Joseph, assignor.)
Detroit Harvester Company. (See Otwell, Ralph B., assignor.)
Detroit Hoist and Machine Company. (See Martin, Henry F., assignor.)
Detroit Lubricator Company. (See Russel, Philip S., assignor.)
Detroit Lubricator Company. (See Weber, Walter H., assignor.)
Detroit-Michigan Stove Company. (See Gehrig, Edward F., assignor.)
Detroit-Michigan Stove Company. (See Guenther, William H., assignor.)
Detroit-Michigan Stove Company. (See Maul, Henry C., assignor.)
Detroit and Security Trust Company, trustee. (See Higgins, Harry A. and C. B.)
Detroit and Security Trust Company. (See Wasserfallen, Charles F., assignor.)
Detroit and Security Trust Company. (See Williams, James H., assignor.)
Detroit Plating Industries. (See Wiley, William R., assignor.)
Detroit Steel Products Company. (See Barclay, Gustaf I., assignor.)
Detroit Steel Products Company. (See Kelly, Clyde W., assignor.)
Detroit Steel Products Company. (See Loucks, James F., assignor.)
Detroit Steel Products Company. (See Robinson, C. A., and Frazier, assignors.)
Detroit Steel Products Company. (See Rumney, Mason P., assignor.)
Detroit Steel Products Company. (See Tea, Clark A., assignor.)
Detroit Trust Company et al., executors. (See Champion, Albert.)
Detroit Trust Company, executor. (See Porter, George F.)
Detroit Trust Company, executor. (See Porter, G. F. and R. P.)
Detroit Vapor Stove Company, The. (See Sherman, Alvin G., assignor.)
Dettelbach, Samuel E., et al. (See Jaworowski, Joseph F., assignor.)
Dettman, Benjamin E. (See Larmer, C. D., and Dettman.)
Detwiler, Forest V., Chicago, Ill. Cooking apparatus. 1,802,005; Apr. 21.
Detwiler, Forest V., Chicago, Ill. Cooking plate stove top. 1,836,156; Dec. 15.
Detwiler, Forest V., Grand Rapids, Mich. Heat distributor plate for cook stoves. 1,810,132; June 16.
Detwiler, William F., Tarentum, Pa., assignor to Allegheny Steel Company. Furnace construction. 1,793,913; Feb. 24.
Detwiler, William F., Tarentum, assignor to Allegheny Steel Company, Brackenridge, Pa. Rolling. 1,797,053; Mar. 17.
Deuba, Deutsche Bautentrocknungs-Gesellschaft m. b. H. (See Stein, Erhard, assignor.)
Deubel, Hermann. (See Muehlfeld, P., and Deubel.)
Deubener Shopping Bag, Inc. (See Brecht, Carl F., assignor.)
Deubener, Walter H., Indianapolis, Ind. Making bags. 1,793,163; Feb. 17.
Deubener, Walter H., St. Paul, Minn. Paper shopping bag. 1,805,810; May 19.

Deuss, Richard, Cologne-Deutz, Germany. Tobacco pipe. 1,794,002; Feb. 24.
Deutsch, Hans. (See Herrmann, W. O., and Deutsch.)
Deutsch, Hans. (See Herrmann, W. O., Deutsch, and Baum.)
Deutsch, Hans. (See Hermman, W. O., Deutsch, and Haehnel.)
Deutsch, Hermann, Gross-Lichterfelde, near Berlin, Germany, assignor, by mesne assignments, to Pencil Mechanism Corporation, New York, N. Y. Mechanical pencil. 1,803,794; May 5.
Deutsch, Josef, Vienna, Austria. Device for giving access to cavities of the animal and human body. 1,810,466; June 16.
Deutsch, Joseph. (See Ippers, John W., assignor.)
Deutsch, Leo, Beaver, Pa., assignor, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Chain control for pumps. 1,789,429; Jan. 20.
Deutsch, Leo, Beaver, and G. J. Genung, Rochester, Pa., assignors, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Fluid dispensing apparatus. 1,816,569; July 28.
Deutsch Maschinenfabrik Aktiengesellschaft. (See Bamberger, Otto, assignor.)
Deutsche Gasgluhlicht-Auer-Gesellschaft mit beschrankter Haftung. (See D'ans, Jean., assignor.)
Deutsche Gasgluhlicht-Auer-Gesellschaft mit beschrankter Haftung. (See Kindermann, Erich, assignors.)
Deutsche Gasgluhlicht-Auer-Gesellschaft mit beschrankter Haftung. (See Pütter, Karl E., assignor.)
Deutsche Gasolin Aktiengesellschaft. (See Pfaff, J. K. and Siewecke, assignors.)
Deutsche Gesellschaft Fuer Schaedlingsbekaempfung m. b. H. (See Lingler, Johann, assignor.)
Deutsche Gold & Silber Scheideanstalt, vormals Roessler. (See Beck, Walter, assignor.)
Deutsche Gold & Silber Scheideanstalt, vormals Roessler. (See Freudenberg, H., and Kloepfer, assignors.)
Deutsche Gold und Silber-Scheideanstalt vormals Roessler. (See Fuchs, Otto, assignor.)
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Gorhan, Adolf, assignor.)
Deutsche Gold & Silber Scheideanstalt, vormals Roessler, The. (See Lehrecke, Hans, assignor.)
Deutsche Gold & Silber Scheideanstalt vormals Roessler. (See Pfleger, Johannes, assignor.)
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Róka, Koloman, assignor.)
Deutsche Gold- und-Silber Scheideanstalt vormals Roessler. (See Roka, K., and Fuchs, assignors.)
Deutsche Gold & Silber Scheideanstalt vormans Roessler. (See Wiess, Ludwig, assignor.)
Deutsche Hydrierwerke Aktiengesellschaft. (See Bakonyi, Stefan, assignor.)
Deutsche Telephonwerke und Kabel-Industrie Aktiengesellschaft. (See Hamann, Christel, assignor.)
Deutsche Telephonwerke und Kabelindustrie Aktiengesellschaft. (See Harlandt, Walther, assignor.)
Deutsche Telephonwerke und Kabelindustrie Aktiengesellschaft. (See Wilde, Kurt, assignor.)
Deutsche Werft Aktiengesellschaft. (See Scholz, William, assignor.)
Deutsche Werke Kiel Aktiengesellschaft. (See Richter, Otto, assignor.)
Deutsche Werke Kiel Aktiengesellschaft. (See Stein, Johannes, assignor.)
Deutsche Wollenwaren-Manufaktur Aktiengesellschaft. (See Brauckmeyer, Rudolf, assignor.)
Deutscher, Henry F., Ballarat, and J. C. Bolton, Kellalac, Victoria, Australia. Loading device for automobile vehicles. 1,802,409; Apr. 28.
Deutscher Versicherungs-Verkehr A.-G., et al. (See Toewe, Fritz, assignor.)
Deutschmann, Tobe. (See Yates, Raymond F., assignor.)
Deutschmeister, Herman, New York, N. Y. Combination pamphlet holder and sample carrier. 1,787,569; Jan. 6.
Deutschmeister, Herman, New York, N. Y. Paper box. 1,791,196: Feb. 3.
De Vault, Ralph P., assignor, by mesne assignments, to Acme Motion Picture Projector Company, Chicago, Ill. Light-ray-projection apparatus. 1,800,211; Apr. 14.
De Vault, Ralph P., Villa Park, assignor to Society for Visual Education, Inc., Chicago, Ill. Picture projector. 1,814,588; July 14.
De Veau, John T., and H. Mallet, Greenport, N. Y. Ship gangway. 1,836,453; Dec. 15.
Deveaux, Ernest, Boen-sur-Lignon, France, assignor to William W. MacFarlane, Washington, D. C. Automobile bumper and mounting therefor. 1,839,015; Dec. 29.
De Vega, Axel P., Boston, Mass. Cigarette pack opener. 1,805,811; May 19.
Devereaux, Francis A., assignor to B. P. Murphy, Anoka, Minn. Wrench. 1,818,385; Aug. 11.
Devereaux, William C., Detroit, Mich. Assembling latches for vehicle doors. 1,799,503; Apr. 7.
Devereaux, William C., Detroit, Mich. Latch-shaft-fastening means. 1,800,818; Apr. 14.
Devereaux, William C., Detroit, Mich. Door lock. 1,807,775; June 2.
Devereaux, William C., Detroit, Mich. Door latch. 1,807,776; June 2.
Devereaux, William C., Detroit, Mich. Door latch. 1,807,777; June 2.
Devereaux, William C., Detroit, Mich. Lock construction. 1,807,778; June 2.
Devereaux, William C., assignor to Ferro Stamping & Manufacturing Company, Detroit, Mich. Door latch mechanism. 1,828,927; Oct. 27.
Devers, Philip K., Lynn, Mass., assignor to General Electric Company. Electric arc device. 1,803,175; Apr. 28.
De Vezino, Vezino, San Francisco, Calif. Air vehicle aeroplane. 1,833,280; Nov. 24.
Devices-Corporation. (See Maddocks, Harmon R., assignor.)
Devices Corporation of New Jersey. (See Boettcher, Jacob H. L., assignor.)
De Vilbiss Company, The. (See Custer, Fred, assignor.)
De Vilbiss Company, The. (See Eastman, Ivan L., assignor.)
De Vilbiss Company, The. (See Mueller, Godfrey, assignor.)
De Vilbiss Company, The. (See Mutschel, Oscar J., assignor.)
De Vilbiss Company, The. (See Mutschel, O. J., and Custer, assignors.)
Devilbiss, Howard R. (See Morse, R. B., and Devilbiss.)
De Villard, Jean F., assignor of one-tenth to A. Rogul, East St. Louis, Ill. Aeroplane. 1,818,309; Aug. 11.
Devillers, René, Paris, assignor to Société d'Expansion Technique, Paris, France. Plant for the manufacture by centrifugation of pipes of any nature, and particularly of metal pipes. 1,830,427; Nov. 3.
Devine, J. P., Manufacturing Co. (See Koops, Carl, assignor.)
De Vito, John A., Los Angeles, Calif. Hydraulic diaphragm brake. 1,791,717; Feb. 10.
De Vito, Nicholas, St. Louis, Mo. Valve. 1,805,130; May 12.
De Vizcaya, Jean A. A., Paris, France. Vehicle body. 1,806,523; May 19.
De Vlieg, Gerard A., Rockford, Ill. Method of and machine for grinding. 1,789,544; Jan. 20.
De Vlieg, Gerard A., Rockford, Ill. Grinding machine. 1,796,189; Mar. 10.
De Vlieg, Gerard A., Rockford, Ill. Tool holder. 1,823,032; Sept. 15.
De Vlieg, Ray A., assignor to Chrysler Corporation, Detroit, Mich. Heat treating furnace. 1,805,360; May 12.
Devlin, Charles J. I., San Francisco, Calif. Medicine container, dose cup, and stopper combined. 1,796,190; Mar. 10.
Devlin, Daniel D., Newton, Mass. Dispensing holder for collapsible tubes. 1,799,678. Apr. 7.
Devlin, Henry, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Pan tripper for biscuit machines. 1,798,728; Mar. 31.
Devlin, Henry, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Doughproofer. 1,832,895; Nov. 24.
Devol, Arthur E., assignor of one-half to Edward Hartwig, Tinley Park, Ill. Window sash snubber. 1,820,784; Aug. 25.
De Vol, James C., Battle Creek, Mich. Corner tile. 1,833,672; Nov. 24.
Devon Manufacturing Company. (See Lundgaard, Ivar, assignor.)
De Vore, Henry B. (See De Vore, Henry C., assignor.)
De Vore, Henry C., Monongahela, Pa., assignor to H. B. De Vore, Wilmington, Del. Method and apparatus for broadcasting and receiving radio signals. 1,828,831; Oct. 27.
De Vorss, Elvin C., and W. F. Lumsden, Denver, Colo. Glare eliminating device. 1,809,678; June 9.
De Vos, Leonard. (See Laraway, William H., assignor.)
De Vos, Louis, assignor to Berry Building Blocks, Inc., Seattle, Wash. Walk and driveway lantern. Des. 85,688; Dec. 8.
De Vou, James L., Pittsburgh, Pa. Erecting apparatus. 1,796,705; Mar. 17.
De Vriendt, Charles. (See Hatton, W., De Vriendt, and Rousseau.)
De Vries, Gerrit, Pipestone, Minn. Self-cleaning lawn rake. 1,797,333; Mar. 24.
De Vries, Louis, Streator, Ill. Incubator. 1,811,685; June 23.
De Vries, Ralph P. (See Armstrong, P. A. E., and de Vries.)
De Vries, Ralph P., Newtonville, assignor to Ludlum Steel Company, Watervliet, N. Y. Stable-surface alloy steel. 1,788,281; Jan. 6.
De Vries, Ralph P., Newtonville, assignor to Ludlum Steel Company, Watervliet, N. Y. Stable surface alloy steel. 1,839,089; Dec. 29.
De Vries, Renier P., Melrose, Mass. Drier. 1,829,741; Nov. 3.
De Vry, Herman A., assignor, by mesne assignments, to Q. R. S.-De Vry Corporation, Chicago, Ill. 1,798,144; Mar. 31.
De Vry, Herman A., assignor to Q. R. S.-De Vry Corporation, Chicago, Ill. Film spool. 1,813.990; July 14.
De Vry, Herman A., assignor to Q. R. S.-De Vry Corporation, Chicago, Ill. Device for recording sound on film. 1,829,791; Nov. 3.
De Vry, Q. R. S., Corporation. (See Fitz, Charles L., assignor.)
De Vry, Q. R. S., Corporation. (See Hogan, Edward F., assignor.)
Dew, John R., South Jacksonville, Fla., and R. Guffey, Somerset, Ky. Flower stand. 1,797,077; Mar. 17.

Dew, Walter A., Charleston, W. Va., assignor to Du-Pont Ammonia Corporation, Wilmington, Del. Producing hydrogen. 1,837,254; Dec. 22.
De Waal, Stanley, San Antonio, Tex., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,833,892; Dec. 1.
De Waele, Armand, Old Southgate, London, assignor to D. Gestetner, Limited, London, England. Stencil sheet for use in duplicating typewritten or manuscript documents, drawings, and the like. 1,819,078; Aug. 18.
De Waele, Armand, assignor to D. Gestetner, Limited, London, England. Production of stencil sheets for use in duplicating. 1,828,766; Oct. 27.
De Wagner, Maggy B., Paris, France, assignor to Lentheric, Incorporated, New York, N. Y. Flaconette. Des. 85,737; Dec. 15.
De Walt Products Corporation. (See De Walt, Raymond E., assignor.)
De Walt, Raymond E., Leola, assignor, by mesne assignments, to De Walt Products Corporation, Lancaster, Pa. Woodworking machine. 1,794,836; Mar. 3.
De Walt, Raymond E., assignor to De Walt Products Corporation, Leola, Pa. Adjustable machine head. 1,813,568; July 7.
De Walt, Raymond E., assignor to De Walt Products Corporation, Leola, Pa. Sawing machine. 1,815,037; July 21.
Dewandre, Albert, Brussels, Belgium. Vacuum brake. 1,830,530; Nov. 3.
D'Ewart, Jerome F., San Francisco, Calif. Seal ring for locking service cocks. 1,792,575; Feb. 17.
Dewbery, George A., Oshawa, Ontario, Canada. Hood catch for motor vehicles. 1,817,241; Aug. 4.
De Weal, Audré G., Chicago, Ill. Ice cube pan for refrigerators. 1,804,324; May 5.
De Wein, George F., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power-transmitting device. 1,792,733; Feb. 17.
Dewend, William D., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Disk harrow. 1,804,750; May 12.
Dewend, William D., South Bend, Ind., assignor to Oliver Farm Equipment Company. Disk harrow. 1,829,342; Oct. 27.
Dewend, William D., South Bend, Ind., assignor to Oliver Farm Equipment Company. Offset tandem harrow. 1,834,519; Dec. 1.
Dewey and Almy Chemical Company. (See Dewey, Bradley, assignor.)
Dewey and Almy Chemical Company. (See Hauser, E. A., and Watts, assignors.)
Dewey and Almy Chemical Company. (See Johnson, Clyde W., assignor.)
Dewey, Bradley, Cambridge, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Self deodorizing sealing composition. 1,807,570; May 26.
Dewey, Charles S., Elmira, N. Y. Vehicle dumping body. 1,792,680; Feb. 17.
Dewey, Charles S., Hamburg, assignor to National Aniline & Chemical Company Inc., New York, N. Y. Tetrakisazo dyes. 1,819,079; Aug. 18.
Dewey, Charles S., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of trisazo dyes. 1,819,080; Aug. 18.
Dewey, Clarence L., Elkhart, Ind., assignor to Outing Manufacturing Company. Tackle box. 1,790,498; Jan. 27.
Dewey, Haywood, G. (See Jones, J. G., and Dewey.)
De Wilde, Fred, Sheboygan, Wis. Display counter. 1,790,499; Jan. 27.
De Witt, Arthur R., assignor of one-half to C. L. Wright, Harbor Springs, Mich. Boat seam sealing method. 1,805,812; May 19.
De Witt, Arthur R., assignor of one-half to C. L. Wright, Harbor Springs, Mich. Boat plank fitting method. 1,828,103; Oct. 20.
De Witt, Clyde C. (See Pinner, W. L., and De Witt.)
De Witt, Clyde C., Houghton, Mich. Leaching ore. 1,835,474; Dec. 8.
De Witt, Howard S. (See Walter, Henry L., assignor.)
Dewitt-La France Co. (See Billotte, Louis C., assignor.)
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Pediform article. 1,789,518; Jan. 20.
De Witt, William J., assignor to The Shoe Form Co., Inc., Auburn, N. Y. Expansible shoe form. 1,790,800; Feb. 3.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,803,843; May 5.
De Witt, William J., Auburn, assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,807,973; June 2.
De Witt, William J., assignor to Shoe Form Co. Inc., Auburn, N. Y. Hosiery form. 1,813,388; July 7.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Boat. 1,816,365; July 28.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,817,299; Aug. 4.
De Witt, William J., Auburn, assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 1,821,695; Sept. 1.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Tool. 1,825,111; Sept. 29.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Spring motor. 1,829,265; Oct. 27.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Packaging hosiery forms. 1,833,356; Nov. 24.
Dewoitine, Emile J. E., Chatillon-Sous-Bagneux, France. Radiator composed of flat water elements. 1,823,788; Sept. 15.
Dewoitine, Julien E. E., Chatillon-sous-Bagneux, France. Radiator actuating mechanism. 1,807,514; May 26.
De Wolf, Ernest A., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,809,890; June 16.
De Wolf, Ernest A., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Moistening device. 1,838,538; Dec. 29.
De Wolf, Roger D., Rochester, N. Y. Furnace and the like. 1,810,203; June 16.
Dews, Joseph W., assignor to Scovill Manufacturing Company, Waterbury, Conn. Separable fastener. 1,801,905; Apr. 21.
Dews, Joseph W., assignor to Scovill Manufacturing Company, Waterbury, Conn. Floating spring type fastener. 1,831,291; Nov. 10.
De Wyk, Ludolf H. (See de Forest, H. S., and de Wyk.)
Dexdale Hosiery Mills. (See Berger, E. J., Matthews, and Schindler, assignors.)
Dexdale Hosiery Mills, The. (See Berger, E. J., and Swartz, assignors.)
Dexdale Hosiery Mills. (See Bock, Wilhelm, assignor.)
Dexdale Hosiery Mills. (See Bock, W., and Matthews, assignors.)
Dexdale Hosiery Mills. (See Weidner, Ralph I., assignor.)
Dexter, Albert J., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Stitcher for tire-building machines. 1,795,929; Mar. 10.
Dexter, Benjamin R., Oakland, Calif. Spring. 1,819,281; Aug. 18.
Dexter Folder Company. (See Ehlig, Harry, assignor.)
Dexter Folder Company. (See Kast, Edward R., assignor.)
Dexter Folder Company. (See Mentges, John, assignor.)
Dexter Folder Company. (See Rader, Earl D., assignor.)
Dexter, Lucien A., assignor to National Brass Company, Grand Rapids, Mich. Door handle structure. 1,825,264; Sept. 29.
Dey, William H., Montclair, N. J., assignor to United States Radium Corporation, New York, N. Y. Display device. 1,803,602; May 5.
Deyo, George, Elizabeth, N. J. Massaging device. 1,838,094; Dec. 29.
Dezendorf, Richard L., Hollis, N. Y. Gas meter. 1,827,973; Oct. 20.
Dezendorf, Richard L., Hollis, N. Y. Gas meter. 1,827,974; Oct. 20.
De Zeng, Henry L., Geneva, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Stand for diagnostic instruments. 1,795,296; Mar. 10.
D'Halloy, Audoin, Paris, France. Automatic lathe. 1,822,805; Sept. 8.
D'Halloy, Audoin, Paris, France, assignor to International Safety Lock Nut Corporation, New York, N. Y. Lock nut. 1,820,965; Sept. 1.
D'Halloy, Audoin, Paris, France, assignor to International Safety Lock Nut Corporation, New York, N. Y. Lock nut. 1,826,777; Oct. 13.
Dhome, Alfred, assignor to Societe Anonyme des Etablissements Delaunay Belleville, St.-Denis, France. Boiler with high evaporative capacity. 1,796,512; Mar. 17.
D'Humy, Fernand E., Scarsdale, B. Beardsley, Brooklyn, and A. Plausics, Bronx, assignors to The Western Union Telegraph Company, New York, N. Y. Drag conveyer. 1,793,953; Feb. 24.
D'Humy, Fernand E., Scarsdale, P. J. Birkmeyer, Long Beach, N. Y., and F. Griffith, Passaic, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Belt conveyer. 1,801,906; Apr. 21.
Diack, Arthur G., Los Angeles, Calif. Directory or index. 1,835,285; Dec. 8.
Diago, Federico G., Habana, Cuba. Airplane. 1,819,948; Aug. 18.
Diagonal Corrugated Patent Corporation. (See Wagner, Joshua, assignor.)
Dial, Robert E., assignor of one-half to H. F. Brunner, Rosedale, Ind. Expansion bit. 1,831,100; Nov. 10.
Diamond, Emanuel, New York, N. Y. Nonsinkable bathing suit. 1,803,898; May 5.
Diamond, Grant S., Hamburg, assignor to Electro Refractories Corporation, Buffalo, N. Y. Glazing refractory articles. 1,828,767; Oct. 27.
Diamond Iron Works. (See Johnson, Clarence T., assignor.)
Diamond, James J. (See Harron, J. A., Diamond, and Bley.)
Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Belt and coupling therefor. 1,827,783; Oct. 20.
Diamond, James K., Grand Rapids, Mich., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Belt lacing. 1,837,210; Dec. 22.
Diamond Machine Company. (See Huxford, G. T., and Stratton, assignors.)
Diamond Machine Company, The. (See Percell, John D.)
Diamond Machine Company. (See Stratton, Frank E., assignor.)
Diamond Match Company, The. (See Light, Clare K., assignor.)
Diamond Match Company, The. (See Traute, Henry C., assignor.)

Diamond Metal Products Co. (See Brownell, Barnett M., assignor.)
Diamond Power Specialty Corporation. (See Bowers, Frank, assignor.)
Diamond Power Specialty Corporation. (See Bowers, F., and Snow, assignors.)
Diamond Power Specialty Corporation. (See Cox, Samuel F., assignor.)
Diamond Power Specialty Corporation. (See Rawson, Grant I., assignor.)
Diamond Power Specialty Corporation. (See Snow, Norman L., assignor.)
Diamond Power Specialty Corporation. (See Snow, N. L., Bowers, and Howse, assignors.)
Diamond Power Specialty Corporation. (See Snow, N. L., and Hirshfeld, assignors.)
Diamond Power Specialty Corporation. (See Vennum, George C., assignor.)
Di Anni, Frank. (See Coyle, N. L., and Di Anni.)
Diapex Corporation, The. (See Clark, Arthur E., assignor.)
Diaz, Pedro, Montevideo, Uruguay. Filing appliance of numerous applications. 1,822,273; Sept. 8.
Di Bari, Vencenzo. (See Patrono, F., and Di Dari.)
Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Room heater. Des. 84,466; June 23.
Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Stove construction. 1,789,430; Jan. 20.
Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Stove construction. 1,799,960; Apr. 7.
Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Broiler. 1,808,768; June 9.
Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Explosion relief. 1,810,697; June 16.
Dibble, Claude M., assignor to Moore Brothers, Company, Joliet, Ill. Broiler. 1,811,428; June 23.
Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Stove construction. 1,822,274; Sept. 8.
Dibble, Thurman C., Plainview, Nebr. Portable saw. 1,798,402; Mar. 31.
Dibelka, Henry G., Chicago, Ill. Radiator cap. Des. 85,738; Dec. 15.
Dibner, Abraham B., Brooklyn, N. Y. Electrical clamp connecter. 1,797,904; Mar. 24.
Dibner, Abraham B., New York, N. Y. T connecter. 1,808,769; June 9.
Dibner, Abraham B., Peekskill, N. Y. Terminal connection. 1,822,693; Sept. 8.
Dichman, Ernest W., New York, N. Y. Aircraft. 1,835,022; Dec. 8.
Dick, A. B., Company. (See Brasseur, Ernest J., assignor.)
Dick, A. B., Company. (See Davis, Alex B., assignor.)
Dick, A. B., Company. (See Hill, Edward W., assignor.)
Dick, A. B., Company. (See Orr, William G. D., assignor.)
Dick, A. B., Company. (See Wagner, Ludwig W., assignor.)
Dick, A. B., Company. (See Williams, Daniel A., assignor.)
Dick, Burns, St. Louis, assignor to Wagner Electric Corporation, St. Louis, Mo. Braking apparatus. 1,806,151; May 19.
Dick, Burns, assignor to Wagner Electric Corporation, St. Louis, Mo. Hydraulic brake. 1,835,763; Dec. 8.
Dick, George W. (See Jones, Cliff C., assignor.)
Dick, Howard J., Benton Harbor, Mich. Multiple body artificial fish lure. 1,807,283; May 26.
Dick, Myron T., Des Moines, Iowa. Blotting device. 1,795,015; Mar. 30.
Dick, Robert, Los Angeles, Calif. Safety swing seat. 1,823,318; Sept. 15.
Dick, Samuel M., Pasadena, Calif. Liquid carbonator. 1,816,144; July 28.
Dick, Talbert M., Des Moines, Iowa. Face mask or the like. 1,820,602; Aug. 25.
Dickas, Frederick D. (See Getz, A. C., and Dickas.)
Dicke, Allen A. (See Dicke, Oscar H., assignor.)
Dicke, Allen A., Montclair, and C. H. Dicke, Nutley, N. J. Motor for heat regulators. 1,818,698; Aug. 11.
Dicke, Carl H. (See Dicke, Allen A., and C. H.)
Dicke, Oscar H., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 1,794,592; Mar. 3.
Dicke, Oscar H., assignor to General Railway Signal Company, Rochester, N. Y. Train-dispatching system for railroads. 1,795,084; Mar. 3.
Dicke, Oscar H., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 1,822,083; Sept. 8.
Dicke, Oscar H., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 1,824,126; Sept. 22.
Dicke, Oscar H., Rochester, N. Y., assignor of one-half to A. A. Dicke, Montclair, N. J. Electrical apparatus. 1,834,447; Dec. 1.
Dicke, Oscar H., and N. D. Preston, assignors to General Railway Signal Company, Rochester, N. Y. Train-dispatching system for railroads. 1,794,591; Mar. 3.
Dickerman, Leslie L., East Grantville, Vt. Croquet table. Des. 84,134; May 12.
Dickerson Butterfaster Company. (See Dickerson, Robert R., assignor.)
Dickerson, Byram S., Indianapolis, Ind. Rail joint. 1,827,840; Oct. 20.
Dickerson, George, Cleveland, Ohio. Latch mechanism. 1,833,209; Nov. 24.
Dickerson, James B. (See Ries, L. B., and Dickerson.)
Dickerson, Malcolm, Bloomfield, N. J. Universal joint. 1,795,765; Mar. 10.
Dickerson, Robert R., assignor to Dickerson Butterfaster Company, Ypsilanti, Mich. Toast buttering device. 1,831,763; Nov. 10.
Dickerson, Ralph W., Roscoe, Ohio. Planter. 1,806,389; May 19.
Dickey, Albert W. (See Haglund, H. H., and Dickey.)
Dickey, Alfred B., assignor to Gulf Production Company, Fort Worth, Tex. Blue printing apparatus. 1,817,242; Aug. 4.
Dickey, Carl A., Alto, Tex. Multicolor thread sewing machine. 1,822,765; Sept. 8.
Dickey, Ernest, assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,788,384; Jan. 13.
Dickey, Ernest, assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,796,007; Mar. 10.
Dickey, Ernest, assignor to Delco-Light Company, Dayton, Ohio. Electric system. 1,813,033; July 7.
Dickey, Ernest, assignor to Delco-Light Company, Dayton, Ohio. Engine. 1,817,069; Aug. 4.
Dickey, Ernest, assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,830,462; Nov. 3.
Dickey, Ernest, Dayton, Ohio, assignor to Delco-Light Company, Rochester, N. Y. Engine. 1,838,216; Dec. 29.
Dickey, Ernest, and F. F. Starr, assignors to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,818,047; Aug. 11.
Dickey, Granville S. (See Braeutigan, H. P., and Dickey.)
Dickey, Granville S., Dayton, Ohio., assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,820,012; Aug. 25.
Dickey, Granville S., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,833,935; Dec. 1.
Dickey, Laurence P., Mountain Lakes, N. J., assignor to August Goertz & Co., Inc. Vanity box. 1,815,463; July 21.
Dickey, Samuel J., and E. W. Roth, Los Angeles, Calif., assignors to General Petroleum Corporation of California. Petroleum-treating system. 1,792,003; Feb. 10.
Dickie, William A., and R. Martin, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of yarns or threads, and apparatus therefor. 1,813,611; July 7.
Dickieson, Alton C., Brooklyn, assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Wave transmission system. 1,795,479; Mar. 10.
Dickinson, Fairleigh S., Rutherford, N. J. Hypodermic syringe and needle therefor. 1,793,068; Feb. 17.
Dickinson, Fairleigh S., Rutherford, N. J. Manometer. 1,819,282; Aug. 18.
Dickinson, Harry S., Moline, Ill., assignor to The Dunham Company, Berea, Ohio. Double roller pulverizer. 1,805,718; May 19.
Dickinson, Jacob M., jr., Chicago, Ill. Automatic firearm. 1,835,286; Dec. 8.
Dickinson, James C., assignor of twenty-six one-hundredths to Chester Grey and twenty-six one-hundredths to R. W. Wiederwax, Atlantic City, N. J. Gas meter. 1,804,596; May 12.
Dickinson, John A., Smooth Rock Falls, Ontario, Canada. Suction box for pulp and paper machines. 1,838,988; Dec. 29.
Dickinson, Joseph H. (See Meany, J. M., and Dickinson.)
Dickinson, Joseph H., Larchmont, N. Y., assignor to The Aeolian Company. Music roll magazine. 1,808,808; June 9.
Dickinson, Merian H., Seattle, assignor to Lidgerwood Pacific Company, Tacoma, Wash. Variable speed skidding device. 1,826,303; Oct. 6.
Dickinson, Paul, Incorporated. (See Knutson, Harold, assignor.)
Dickinson, Robert C. (See Hellmund, R., and Dickinson.)
Dickinson, William N., Long Island, N. Y. Responsive signal system. 1,823,319; Sept. 15.
Dicks, Thomas A., assignor to Pittsburgh Screw and Bolt Corporation, Pittsburgh, Pa. Propeller. 1,815,191; July 21.
Dicks, Thomas A., assignor to Pittsburgh Screw and Bolt Corporation, Pittsburgh, Pa. Propeller. 1,815,192; July 21.
Dicks, Thomas A., assignor to Pittsburgh Screw and Bolt Corporation, Pittsburgh, Pa. Propeller. 1,816,317; July 28.
Dicks, Thomas A., assignor to Pittsburgh Screw and Bolt Corporation, Pittsburgh, Pa. Reenforced propeller blade end. 1,835,023; Dec. 8.
Dickson, Albert C., St. Louis County, assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Resilient mounting for driven elements on motor shafts. 1,810,204; June 16.
Dickson, Alexander, Brooklyn, N. Y. Skeleton frame for wall constructions. 1,791,197; Feb. 3.
Dickson, George E., Evanston, Ill. Nail head capping machine. 1,827,566; Oct. 13.
Dickson, James T., Los Angeles, Calif. Clutch and operating device. 1,801,590; Apr. 21.
Dickson, John V. E., West New York, N. J., assignor, by mesne assignments, to E. B. Badger & Sons Company, Boston, Mass. Fractionation of mixed fluids. 1,815,127; July 21.
Dickson, John V. E., Houston, Tex., assignor, by mesne assignments, to E. B. Badger & Sons Company, Boston, Mass. Distillation of mineral oils. 1,815,128; July 21.

Dickson, John V. E., Woodcliff-on-Hudson, N. J., assignor to The Barrett Company. Distillation process. 1,821,144; Sept. 1.
Dickson, Joseph F., assignor to Kewanee Boiler Corporation, Kewanee, Ill. Boiler. 1,798,247; Mar. 31.
Dickson, Juanita B., Los Angeles, Calif. Brassière. 1,836,840; Dec. 15.
Dickson, Oliver J., East Peoria, Ill. Rail and tie holding jack. 1,814,901; July 14.
Dickson, Oscar A., Tucson, Ariz. Switch point construction. 1,820,603; Aug. 25.
Dickson, Thomas A., assignor to Colorado Iron Works Company, Denver, Colo. Method and apparatus for treating solids. 1,811,920; June 30.
Dickstein, Louis, New York, N. Y. Pessary. 1,790,801; Feb. 3.
Dickstein, Samuel, and L. H. Weinstein, New York, N. Y. Automatic gas hose shut off device. 1,818,609; Aug. 11.
Dicola, Rocco, assignor of twenty-five percent to himself, twenty percent to Ulric J. McHale, Forest City, Pa.; eighteen and one-third percent to Frank Renda, eighteen and one-third percent to Vito Varano, and eighteen and one-third percent to Domenick Coroniti, Scranton, Pa. Submarine rescue device. 1,829,476; Oct. 27.
Dictaphone Corporation. (See Bodine, Alfred V., assignor.)
Dictaphone Corporation. (See Bodine, A. V., and Lucarelle, assignors.)
Dictaphone Corporation. (See Johnson, Arthur A., assignor.)
Dictaphone Corporation. (See Lucarelle, Joseph M., assignor.)
Dictaphone Corporation. (See Woodbridge, Charles K., assignor.)
Dictaphone Corporation. (See Worrell, Howard S., assignor.)
Didier, Léon J. B., Paris, France. Three-color cinematograph film. 1,790,978; Feb. 3.
Didinger, George H., et al., trustees. (See Farr, F. G., and Didinger, assignors.)
Diebold Safe & Lock Company, The. (See Gialdini, Bruno T., assignor.)
Diebold Safe & Lock Company. (See Paca, John P., assignor.)
Dieckmann, Armin J., Saginaw, Mich. Shutter operating device. 1,837,116; Dec. 15.
Dieckmann, John. (See Lodde, H., and Dieckmann.)
Diecks, Walter B. (See Hegan, C. P., and Diecks.)
Diederichs, Carl A., Homewood, Pittsburgh, Pa. Soldier's parade game. 1,802,884; Apr. 28.
Diederichs, Carl A., Pittsburgh, Pa. Endless circuit toy game. 1,816,471; July 28.
Diederichsen, Kenneth A., San Diego, Calif. Tapped sixth bend fitting. 1,838,253; Dec. 29.
Diefenderfer, Jacob E. (See Welsh, F. E., and Diefenderfer.)
Diehl, Conrad, Heroldsberg, Germany. Pad, cushion, or the like. 1,826,304; Oct. 6.
Diehl, Edward, New York, N. Y. Eye shield. 1,833,741; Nov. 24.
Diehl, Frederick, assignor to Diehl Manufacturing Company, Elizabeth, N. J. Phonograph turntable. 1,823,533; Sept. 15.
Diehl Manufacturing Company. (See Chason, Daniel H., assignor.)
Diehl Manufacturing Company. (See Diehl, Frederick, assignor.)
Diehl Manufacturing Company. (See Naul, James M., assignor.)
Diehl Manufacturing Company. (See Peets, Wilbur J., assignor.)
Diehl Manufacturing Company. (See Zabriskie, Henry L., assignor.)
Diemolding Corporation. (See Ross, Wallace B., assignor.)
Diemoulding Production Company, Incorporated. (See Holden, Joseph B., assignor.)
Diena, Jacopo, Paris, France. Apparatus for producing sudoriferous vapor baths. 1,822,615; Sept. 8.
Dienelt, Charles J., Washington, D. C. Carbon paper. 1,836,907; Dec. 15.
Dienner, John A., assignor to Bendix Stromberg Carbureter Company, Chicago, Ill. Liquid level indicator. 1,808,023; June 2.
Dienner, John A., Evanston, assignor to Stromberg Research Corporation, Chicago, Ill. Shock absorber. 1,818,386; Aug. 11.
Diepold, Max, Mosbach/Baden, Germany. Treating whale bone bristles. 1,836,908; Dec. 15.
Diesch, Ferd G., Hayfield, Minn. Canvas holder. 1,825,995; Oct. 6.
Diescher, Alfred J., Winfield, Kans. Controlling engines. 1,792,147; Feb. 10.
Diescher, S., & Sons. (See Diescher, Samuel E., assignor.)
Diescher, Samuel E., assignor to S. Diescher & Sons, Pittsburgh, Pa. Continuous heating furnace. 1,800,170; Apr. 7.
Diescher, Samuel E., assignor to S. Diescher & Sons, Pittsburgh, Pa. Tin plate conveyer and cleaner. 1,805,980; May 19.
Diescher, Samuel E., assignor to S. Diescher & Sons, Pittsburgh, Pa. Apparatus for manufacturing seamless tubes. 1,810,698; June 16.
Diescher, Samuel E., assignor to S. Diescher & Sons, Pittsburgh, Pa. Method of and apparatus for the manufacture of tin plate. 1,810,699; June 16.
Diesel, William F., assignor to Sargent & Greenleaf, Inc., Rochester, N. Y. Locking mechanism. 1,813,441; July 7.
Dieter, Paul W., New York, N. Y. Pipe anchor and clamp. 1,821,294; Sept. 1.
Dieter, Paul W., New York, N. Y. Pipe anchor and clamp. 1,821,295; Sept. 1.
Dieter, William, Newark, N. J., assignor to E. W. Bliss Company, Brooklyn, N. Y. Gyroscopic steering mechanism. 1,791,755; Feb. 10.
Dieter, William, Newark, N. J., assignor to E. W. Bliss Company, Brooklyn, N. Y. Lock washer. 1,810,644; June 16.
Dieter, William, Newark, N. J., assignor to E. W. Bliss Company, Brooklyn, N. Y. Intermittent feed mechanism. 1,810,645; June 16.
Dieter, William, Newark, N. J., assignor to E. W. Bliss Company, Brooklyn, N. Y. Gyroscopic steering mechanism. 1,810,646; June 16.
Dieterich, Albert E. (See Smith, G. W., and Dieterich.)
Dieterle, Edward A., Glen Ellyn, Ill. Coal-carbonizing and gas-enriching apparatus. 1,790,745; Feb. 3.
Dieterle, Edward A., Glen Ellyn, Ill. Gasification process. 1,792,632; Feb. 17.
Dieterle, Edward A., Glen Ellyn, Ill. Making oil gas. 1,798,372; Mar. 31.
Dieterle, Edward A., Glen Ellyn, Ill. Enriching gas. 1,804,402; May 12.
Dieterle, Frank, assignor to George A. Reach, Philadelphia, Pa. Boxing glove. 1,792,004; Feb. 10.
Dietert, Rudolph H., Ridgewood, N. J., assignor to Atlantic, Gulf and Pacific Company. Spud and spud-point. 1,820,881; Aug. 25.
Dietiker, Max. (See Strasser, Eugen, assignor.)
Dietman, Paul W., Jonkoping, Sweden. Manufacturing boxes. 1,836,909; Dec. 15.
Dietrich, Alfons, Glendale, Long Island, N. Y. Ellipsograph. 1,825,444; Sept. 29.
Dietrich, Ernst, Altenburg, Germany. Turret for multiple punching machines. 1,807,652; June 2.
Dietrich, Fred C. (See Straubing, C. R., and Dietrich.)
Dietrich, Fred E., Salamanca, N. Y. Motor timing and correcting device. 1,826,997; Oct. 13.
Dietrich, Friedrich R., Pasing, near Munich, Germany. Turning gear for the headlights of vehicles. 1,788,190; Jan. 6.
Dietrich, Harry W., Noblesville, assignor to J. I. Holcomb Manufacturing Company, Indianapolis, Ind. Frame mounting for mops and the like. 1,793,782; Feb. 24.
Dietrich Incorporated. (See Carlson, A., and Ericson, assignors.)
Dietrich, Karl G., Brooklyn, N. Y. Wall tiling. 1,794,158; Feb. 24.
Dietrich, Raymond H., Detroit, Mich. Hood front ornament for motor vehicles. Des. 85,636; Dec. 1.
Dietrichson, William F., St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. Door tripping device for cars. 1,803,384; May 5.
Dietsch, Leo H., Edgerton, Ohio. Apparatus for filling containers. 1,830,644; Nov. 3.
Dietsch, Leo H., Edgerton, Ohio. Guide for bag filling apparatus. 1,830,645; Nov. 3.
Dietz, Frank J., Baltimore, Md., assignor to Alvey Manufacturing Company, St. Louis, Mo. Automatic blocking device for conveyer systems. 1,815,549; July 21.
Dietz, Frank L., assignor of one-half to E. H. Luke and one-half to North Pacific Cedar Products Corporation, Seattle, Wash. Hand split tapered shake. 1,805,689; May 19.
Dietz, Franklin M., Hutchinson's Mills, Hamilton Township, Mercer County, N. J. Liquid container. 1,825,856; Oct. 6.
Dietz, Franklin M., Hutchinson's Mills, Hamilton Township, Mercer County, N. J., assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Acoustical board. 1,811,385; June 23.
Dietz, Friedrich, Nuremberg, Germany. Pump. 1,831,411; Nov. 10.
Dietz, Harold M., and S. E. Kary, Chicago, Ill. License plate holder. 1,821,053; Sept. 1.
Dietz, Henry F. (See Curry, W. H., and Dietz.)
Dietz, Karl. (See Frank, K., and Dietz.)
Dietz, R. E., Company. (See Currie, Robert A., assignor.)
Dietz, Valentin, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to The American Multigraph Co., Cleveland, Ohio. Planographic printing process. Re18,013; Mar. 31.
Dietze, Emil, Richmond Hill, assignor to American Casting and Manufacturing Corporation, Brooklyn, N. Y. Seal press. 1,809,235; June 9.
Dietze, Richard, Berlin-Pankow, Germany, assignor to General Electric Company. Electrical regulating system. 1,796,245; Mar. 10.
Dietzel, Albert, Pittsburgh, Pa. Pickling apparatus. 1,806,239; May 19.
Dietzgen, Eugene, Company. (See Allin, Richard F., assignor.)
Dietzgen, Eugene, Company. (See Gronau, Emil, assignor.)
Dietzgen, Eugene, Company. (See Langsner, Adolph, assignor.)

Diggle, John Edward, Napier, New Zealand. Tap. 1,797,132; Mar. 17.
Digrius, Joseph, Brooklyn, N. Y. Stack water heater and storage device. 1,830,195; Nov. 3.
Diggs, Sterling H., Casper, Wyo., assignor to Standard Oil Company, Whiting, Ind. Fuel oil. 1,823,594; Sept. 15.
Diggs, Sterling H., and F. S. Campbell, Gasper, Wyo., assignors to Standard Oil Company, Whiting, Ind. Lead compound. 1,830,984; Nov. 10.
Di Ianni, Frank, Brooklyn, N. Y., assignor to American Machine & Foundry Company. Paper pull for cigarette machines. 1,790,342; Jan. 27.
Di Ionno, Frank, Millburn, N. J. Penholder or similar article. Des. 84,812; Aug. 11.
Dijksterhuis, Popko R. (See Holst, G., and Dijksterhuis.)
Dijksterhuis, Popko R., assignor to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands. Constant magnitude control system. 1,804,325; May 5.
Dike, George P. (See Mathez, Samuel, assignor.)
Dike, George P., Brookline, Mass. Footwear. 1,793,212; Feb. 17.
Dikeman, Myron J., Detroit, Mich. Producing ignition flashes for gas engines. 1,788,356; Jan. 6.
Dikeman, Myron J., Detroit, Mich. Flash ignition plug for gas engines. 1,788,661; Jan. 13.
Dilcap Corporation. (See Kapp, G., and Dillon, assignors.)
Dildine, Charles H., et al. (See Vargok, Michael, assignor.)
Di Leonardo, Dominic, Pittsburgh, Pa. Aquatic amusement apparatus. 1,838,300; Dec. 29.
Dilkes, Charles E., Newark, N. J. Apparatus for embossing. 1,792,364; Feb. 10.
Dilks, John H., assignor to Electric Power Equipment Corporation, Philadelphia, Pa. Switch-operating mechanism. 1,792,416; Feb. 10.
Dilks, William H. (See Scott, Harry T., assignor.)
Dill, Edward J. (See Geyer, H. D., and Dill.)
Dill Manufacturing Company, The. (See Crowley, John C., assignor.)
Dill, Melvin, Lynn, assignor to H. A. Haley, Plymouth, Mass. Level. 1,818,843; Aug. 11.
Dillard, James B., Shaker Heights Village, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Making spiral reamers. 1,798,314; Mar. 31.
Dillard, James E., Midlothian, Tex. Kapok product and making the same. 1,821,378; Sept. 1.
Dillenback, Frank C., Grand Rapids, Mich. Closet seat. 1,837,024; Dec. 15.
Dilliard, Herbert C., East Bangor, Pa. Cross member for antiskid devices. 1,790,409; Jan. 27.
Dillingham, Frederick A., assignor to The Troy Sunshade Company, Troy, Ohio. Article of Furniture. 1,795,202; Mar. 3.
Dillman, Berry B., Great Falls, Mont. Portable bridge. 1,816,672; July 28.
Dillman, Earnest J. (See Eggleston, L. W., and Dillman.)
Dillon, Albert F., assignor to P. Lorillard Company, Richmond, Va. Transfer mechanism. 1,829,129; Oct. 27.
Dillon, Clarence, and D. Daughhetee, Richland Center, Wis. Violin bow. 1,810,414; June 16.
Dillon, Enos L. (See Bromberg, August, assignor.)
Dillon, George W., Ware, Mass. Garment. 1,808,496; June 2.
Dillon, James E., Masontown, Pa. Mining machine. 1,803,547; May 5.
Dillon, James T. (See Kapp, G. and Dillon.)
Dillon, John R. (See Lundelius, O. F., and Dillon.)
Dillon, Stephen V., Tulsa, Okla. Pipe coupling. 1,789,379; Jan. 20.
Dillon, Stephen V., Tulsa, Okla. Swab and unloader. 1,792,898; Feb. 17.
Dillon, Stephen V., Tulsa, Okla. Pipe coupling. 1,833,776; Nov. 24.
Dillow, George F., Seattle, Wash. Life saving device. 1,824,198; Sept. 22.
Dills, Henry S., deceased; S. F. Davenport, executor of the estate, assignor by mesne assignments, to Creek Chub Bait Company, Garrett, Ind. Fishing reel attachment. 1,835,384; Dec. 8.
Dilts Machine Works, Inc. (See Haskell, John D., assignor.)
Dilts Machine Works, Inc. (See Stevens, George D., assignor.)
Dilworth, Richard M., Lakewood, assignor to The Electro-Motive Company, Cleveland, Ohio. Hydrocarbon motor. 1,791,490; Feb. 10.
Dilworth, Richard M., Lakewood, assignor to The Electro-Motive Company, Cleveland, Ohio. Articulated self-propelled railway vehicle. 1,797,548; Mar. 24.
Di Marco, Nicholas, et al. (See Wright, Leonard K., assignor.)
Di Matteo, Louis, Bridgeport, Conn. Automatically illuminating dial telephones. 1,815,550; July 21.
Dime, Samuel E. (See Ekre, J. W., and Dime.)
Dimick, Daniel B., Birmingham, Ala. Pattern lifting device. 1,824,468; Sept. 22.
Dimick, W. T. (See Emenhiser, Asa H., assignor.)
Dimmick, Glenn L., Scotia, N. Y., assignor to General Electric Company. Oscillograph galvanometer. 1,820,785; Aug. 25.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Combination reel and Magazine-frame support for motion-picture-projection machines. Des. 83,191; Feb. 3.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Compound ventilating shutter. 1,787,426; Jan. 6.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Roller. 1,802,708; Apr. 28.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Projection machine shutter (comb) for motion picture projection machines. 1,802,709; Apr. 28.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Adjustable Geneva intermittent. 1,803,465; May 5.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Adjustable support for motion picture projection machines. 1,808,497; June 2.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Adjusting apparatus for motion picture projection machines. 1,811,880; June 30.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Base for motion picture projection machines. 1,811,881; June 30.
Dina, Augusto, Jersey City, N. J., assignor to The Precision Machine Co., Inc., New York, N. Y. Valve for magazines for picture films. 1,812,865; July 7.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Mechanical system. 1,818,048; Aug. 11.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Light guard for motion picture projection machines. 1,820,054; Aug. 25.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Film guide. 1,828,768; Oct. 27.
Dina, Augusto, Jersey City, N. J., assignor to The Precision Machine Co., Inc., New York, N. Y. Film trap and film trapdoor. 1,830,158; Nov. 3.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Adjustable mounting for picture projection apparatus. 1,830,596; Nov. 3.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Oscillatory support for motion picture projection machines. 1,831,344; Nov. 10.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Semiautomatic adjustable support for picture-projecting machines. 1,831,345; Nov. 10.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Compound base for motion picture projection machines. 1,831,346; Nov. 10.
Dina, Augusto, Jersey City, N. J., assignor to The Precision Machine Co., Inc., New York, N. Y. Framing mechanism. 1,834,205; Dec. 1.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Speedometer mounting and adjustment for motion picture projection machines. 1,837,705; Dec. 22.
Dina, Augusto, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Motion picture projector adjusting and locking mechanism. 1,838,750; Dec. 29.
Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Casing for a combined projection head, shutter shield, and light guard for a motion-picture projection machine. Des. 83,795; Mar. 31.
Dina, Augusto, Elizabeth, N. J., assignor to International Projector Corporation, New York, N. Y. Mechanical movement. 1,808,454; June 2.
Dines, Joseph D., Tempe, Ariz. Bearing. 1,804,251; May 5.
Dinesen, Laurits, Minneapolis, Minn. Milking apparatus. 1,812,086; June 30.
Dinger, Frederick, New York, N. Y. Finger ring. Des. 84,628; July 14.
Dingle, Richard L., Lehman, Pa. Pan lifter. 1,800,781; Apr. 14.
Dingley, Edward N., jr., Washington, D. C. Communication system. 1,792,417; Feb. 10.
Dingman, Glen H., Canastota, N. Y. Protractor. 1,823,931; Sept. 22.
Dinichert, Roger. (See Aebi, O., and Dinichert.)
Dinkelberg, Frederick P., Evanston, assignor, by mesne assignments, to Cross Parking Systems, Inc., Chicago, Ill. Apparatus for handling and storing automobiles. Re17,918; Jan. 6.
Dinkelspiel, Lawrence, West New York, N. Y. Embroidered lace scarf or similar article. Des. 83,094; Jan. 20.
Dinkelspiel, Lawrence, West New York, N. J. Embroidered lace scarf or similar article. Des. 83,850; Apr. 7.
Dinkelspiel, Lawrence, West New York, N. J. Embroidered scarf or similar article. Des. 83,851; Apr. 7.
Dinklage, Raymond, Glen Ridge, N. J. Anchoring device. 1,804,918; May 12.
Dinner, Heinrich, Ennenda, assignor to the Firm: Sulzer Frères Société Anonyme, Winterthur, Switzerland. Four stroke internal combustion engine with airless injection of the fuel. 1,816,366; July 28.

Dinsmore, Carrie M., Walnut Park, Calif. Coat hanger. 1,805,573; May 19.
Dinsmore, Clarence B., assignor to A C Spark Plug Company, Flint, Mich. Odometer. 1,826,391; Oct. 6.
Dinsmore, John C., Providence, assignor to Hope Webbing Company, Pawtucket, R. I. Finishing welt. 1,794,159; Feb. 24.
Dinstman, Isidor, assignor to Yorke Specialty Corporation, New York, N. Y. Clock case. Des. 85,739; Dec. 15.
Dinstman, Isidor, assignor to Yorke Specialty Corporation, New York, N. Y. Clock case. Des. 85,740; Dec. 15.
Dinstman, Isidor, assignor to Yorke Specialty Corporation, New York, N. Y. Clock case. Des. 85,741; Dec. 15.
Dintilhac, Jean G., assignor to the Society "Yacco S. A. F.", Paris, France. Apparatus for determining the frictional qualities of a liquid. 1,817,739; Aug. 4.
Dinwiddie, Joseph G. (See Lubs, H. A., and Dinwiddie.)
Dinzl, Richard W., Bywood, assignor to Southwark Foundry & Machine Company, Philadelphia, Pa. Hose press. 1,791,055; Feb. 3.
Dinzl, Richard W., Margate City, N. J., assignor to Southwark Foundry & Machine Company, Philadelphia, Pa. Steam platen. 1,818,387; Aug. 11.
Dion, Frank J., Boston, Mass. Sealing device. 1,821,145; Sept. 1.
Dion, Frank X., South Manchester, Conn., assignor to Draper Corporation, Hopedale, Mass. Shuttle-feeler thread parter and clamp. 1,791,806; Feb. 10.
Di Palma, Thomas, New Orleans, La. Windshield. 1,798,524; Mar. 31.
Dippel, Philip, Lincoln, Calif. Safety pin. 1,797,523; Mar. 24.
D'Ippolito, Angelo B., Vineland, N. J. Class ring. Des. 83,430; Feb. 24.
Direct Control Valve Company. (See Lawler, James J., assignor.)
Direct Separator Company Inc., The. (See Powers, William T., assignor.)
Direktor Arthur Ade. (See Ade, Anton, assignor.)
Dirkes, Carl E. (See Dirkes, Vincent M. and C. E.)
Dirkes, Robert F. (See Hoover, R., and Dirkes.)
Dirkes, Robert F., Jamaica, assignor to The Western Union Telegraph Company, New York, N. Y. Matching speed of receiving rotating element from telegraph code signals. 1,800,056; Apr. 7.
Dirkes, Robert F., Jamaica, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph system for dividing received intelligence into groups. 1,814,902; July 14.
Dirkes, Robert F., Jamaica, assignor to The Western Union Telegraph Company, New York, N. Y. Synchronous communication system. 1,815,969; July 28.
Dirkes, Robert F., Jamaica, N. Y., V. R. Kimball, Leonia, and J. W. Long, North Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Operating simplex printers in a multiplex system. 1,802,240; Apr. 21.
Dirkes, Robert F., Jamaica, and A. L. Pomeroy, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Printing telegraph system. 1,834,828; Dec. 1.
Dirkes, Vincent M., assignor to General Motors Corporation, Detroit, Mich. Lubrication system for shop machinery. 1,795,297; Mar. 10.
Dirkes, Vincent M., assignor to General Motors Corporation, Detroit, Mich. Abrasive pad. 1,822,856; Sept. 8.
Dirkes, Vincent M. and C. E., Detroit, Mich. Chassis lubricating fitting. 1,802,376; Apr. 28.
Dirksen, Ralph. (See Dohrn, M., and Kirksen.)
Dirschauer, Jacob A., assignor of one-third to O. E. Seiler, Evansville, Ind. Rotary soil cutter or cultivator. 1,797,824; Mar. 24.
Dirschauer, Jacob A., and F. H. Schierholzer, Evansville, Ind. Automatic auxiliary gauge for ripsaws. 1,799,738; Apr. 7.
Dirzuweit, John F., Baltimore County, Md., assignor to L. Lee, Washington, D. C. Stemming machine. 1,798,404; Mar. 31.
Disbrow, Clarkson A., New Rochelle, assignor to The Rail Joint Company, New York, N. Y. Shimmed rail joint. 1,800,441; Apr. 14.
Disk-O-Knowledge, Inc. (See Smith, Samuel, assignor.)
Disney, George E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Sealing device for tire valves. 1,792,825; Feb. 17.
Disney, Walter E., Hollywood, Calif. Toy figure. Des. 84,233; May 26.
Dispersions Process, Inc. (See Pratt, William B., assignor.)
Dispersions Process, Inc. (See Pratt, W. B., and Noble.)
Display Products Company. (See Morgan, Alexander L., assignor.)
Disston, Henry & Sons. (See Philbrick, Clayton, assignor.)
Disston, Henry, & Sons, Incorporated. (See Freas, Samuel T., assignor.)
Disston, Henry, & Sons, Incorporated. (See Freas, S. T., and Gehr, assignors.)
Distler, Otto, New York, M. Klein, Bronx, and E. Klein, New York, N. Y. Turnstile mechanism. 1,791,922; Feb. 10.
Ditcham, William T. (See Davis, N. E., and Ditcham.)
Ditchen, Mike. (See Conrad, Clifford V., assignor.)
Ditchfield, Frank. (See McWilliams, J. P., and Ditchfield.)
Ditchfield, Frank, assignor to Youngstown Steel Door Company, Cleveland, Ohio. Cutting die. 1,787,815; Jan. 6.
Ditchfield, Frank, assignor to The Youngstown Steel Door Co., Cleveland, Ohio. Punching die. 1,787,816; Jan. 6.
Ditchfield, Frank, assignor to Youngstown Steel Door Co., Cleveland, Ohio. Railway-car door. 1,795,642; Mar. 10.
Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Metal car roof. 1,803,321; May 5.
Ditchfield, Frank, assignor to The Youngstown Steel Door Co., Cleveland, Ohio. Car. 1,827,784; Oct. 20.
Ditchfield, Frank, assignor to The Youngstown Steel Door Co., Cleveland, Ohio. Metal wall structure for cars. 1,829,508; Oct. 27.
Di Tella, Torcuato, Buenos Aires, Argentina. Liquid-dispensing apparatus. 1,790,410; Jan. 27.
Ditesheim, Isidore, La Chaux-de-Fonds, Switzerland. Watch novelty. 1,827,567; Oct. 13.
Ditisheim, Bernard, Paris, France. Transferring hair and feathers from their natural to another support. 1,832,363; Nov. 17.
Ditlevsen, Jens C., Antioch, Calif. Flying top. Des. 84,029; Apr. 28.
Ditlevsen, Jens C., Antioch, Calif. Power operated hoe. 1,827,074; Oct. 13.
Ditmars, John R. (See Boyce, Charles M., assignor.)
Ditmore, George W., Albany, N. Y. Dustguard cap or closure. 1,836,652; Dec. 15.
Ditmore, George W., Albany, N. Y. Dustguard cap or closure. 1,836,653; Dec. 15.
Di Tosto, Carlo, Patchogue, N. Y. Necktie. 1,811,748; June 23.
Ditter, Francis J., Minneapolis, Minn. Ski for aeroplanes. 1,833,210; Nov. 24.
Dittmann, Emil, Plon, Germany. Bookmarker. 1,805,732; May 19.
Dittmar, Gustav, assignor of one-half to A. O. Wilkening, St. Louis, Mo. Chair. 1,835,975; Dec. 8.
Dittmar, Irvin F., assignor to The Cromer Company, Williamsport, Pa. Sawing machine. 1,794,758; Mar. 3.
Dittmar, Irvin F., assignor to The Cromar Company, Williamsport, Pa. Machine for coating strips of lumber. 1,802,410; Apr. 28.
Dittmar, Irvin F., assignor to The Cromar Co., Williamsport, Pa. Guide for strip finishing machines. 1,819,081; Aug. 18.
Ditto, Incorporated. (See Blomberg, Ulrik I. T., assignor.)
Ditto, Incorporated. (See Carr, Kenneth W., assignor.)
Ditto, Incorporated. (See Moll, Wilhelm K., assignor.)
Ditto Inc. (See Pederson, John P., assignor.)
Ditto, Incorporated. (See Duncan, J. K., and Wiede, assignors.)
Dittrick, Clarence H., and N. K. Chaney, Lakewood, Ohio, assignor to National Carbon Company, Inc. Dry cell battery. 1,821,008; Sept. 1.
Ditzler, Guy E., Hinsdale, Ill. Advertising device. 1,798,145; Mar. 31.
Ditzler, Guy E., assignor to Triplex Washing Machine Company, Chicago, Ill. Centrifugal extractor. 1,834,829; Dec. 1.
Dival, Edgar F., Argo, Ill., assignor to International Patents Development Company, Wilmington, Del. Can. 1,838,217; Dec. 29.
Divco-Detroit Corporation. (See Bacon, George M., assignor.)
Divco-Detroit Corporation. (See Maurer, E. R., and Ferguson, assignors.)
Divekey, Harvey J., Aurora, Ill. Tattoo marker. 1,798,729; Mar. 31.
Divekey, Harvey J., assignor to Illinois Supply Company, Aurora, Ill. Drinking apparatus for poultry. 1,828,104; Oct. 20.
Divinia, John M., Cameron, Mo. Window shade operating device. 1,829,853; Nov. 3.
Divoky, Thomas E., Western, Nebr. Grain beater sieve. 1,820,055; Aug. 25.
Dixie Culvert & Metal Company, The. (See See, Howard, assignor.)
Dixon, Amos F., Jersey City, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic telephone exchange system. 1,811,844; June 30.
Dixon, Arthur, et al. (See Dixon, Bedford S., assignor.)
Dixon, Bedford S., deceased; B. I. Dixon, administratrix, assignor of one-third to A. Dixon and one-third to E. A. Palmer, West Baden, Ind. Hydraulic clutch. 1,794,884; Mar. 3.
Dixon, Bessie I., administratrix. (See Dixon, Bedford S.)
Dixon, Elizabeth W. (See Bombard, J. A., and Rogers, assignors.)
Dixon, Ezra, Bristol, assignor to Dixon Lubricating Saddle Company, Bristol, R. I. Top roll saddle. 1,831,231; Nov. 10.
Dixon, Fate, assignor of one-half to W. H. Rowe, Durham, N. C. Wrench. 1,790,411; Jan. 27.
Dixon, H. L., Company. (See Forter, Samuel A., assignor.)
Dixon, Howard F., and P. Weiland, Detroit, Mich. Brake mechanism for vehicle wheels. 1,826,462; Oct. 6.
Dixon, John F., Wylde Green, England. File for letters or other papers. 1,805,939; May 19.

Dixon, Joseph, Crucible Company. (See Van Dorn, Horace B., assignor.)
Dixon Lubricating Saddle Company. (See Dixon, Ezra, assignor.)
Dixon, Lyman W., Maywood, Ill. Labeling. 1,805,308; May 12.
Dixon, Paul, assignor to J. P. Stevens Engraving Co., Atlanta, Ga. Sheet of writing paper. Des. 84,925; Aug. 25.
Dixon, Walter F. (See Davidson, T., and Dixon.)
Dixon, Walter L., assignor to Reece Folding Machine Company, Boston, Mass. Infolding machine. 1,797,641; Mar. 24.
Dixon, William A., assignor to Lincoln County Logging Company, Taft, Oreg. Log raft. 1,789,519; Jan. 20.
Dixon, Zada. (See Davidson, T., and Dixon, assignors.)
Dixson, Harry, assignor to Roiscreen Company, Pella, Iowa. Roll screen installation for casement windows. 1,819,360; Aug. 18.
Djazos, Jordan. (See Nock, C. J., and Djazos.)
Djidich, Alexander, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Hook device. 1,798,403; Mar. 31.
Doan, Elmer M., San Diego, Calif. Stud extractor. 1,815,500; July 21.
Doane, Duane H., St. Louis, Mo., assignor to W. P. Paepcke, Chicago, Ill. Animal feeder. 1,827,075; Oct. 13.
Doane, Harry C., Flint, assignor to General Motors Corporation, Detroit, Mich. Transmission and ignition lock. 1,791,807; Feb. 10.
Doane, Harry C., Flint, assignor to General Motors Corporation, Detroit, Mich. Electric switch. 1,814,245; July 14.
Doane, John A., West Hartford, assignor to The New Departure Manufacturing Company, Bristol, Conn. Cutting machine. 1,832,190; Nov. 17.
Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Shock absorber for lamp sockets. 1,788,945; Jan. 13.
Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting fixture. 1,794,837; Mar. 3.
Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Combined torchère and bridge lamp. 1,802,460; Apr. 28.
Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting appliance. 1,818,120; Aug. 11.
Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Inclosed lighting unit. 1,830,263; Nov. 3.
Doane, Leroy C., and G. P. Norton, assignors to The Miller Company, Meriden, Conn. Floor lamp. 1,808,296; June 2.
Doane, Leroy C., and H. H. Wolter, assignors to The Miller Company, Meriden, Conn. Lighting fixture wall bracket. 1,818,119; Aug. 11.
Dobbin, Charles, Brooklyn, assignor to United States Mail Chute Corporation, New York, N. Y. Mail chute. 1,798,868; Mar. 31.
Dobbin, Charles, Brooklyn, assignor to United States Mail Chute Corporation, New York, N. Y. Mail chute. 1,799,961; Apr. 7.
Dobbin, William J., et al. (See McGruer, Alfred E., assignor.)
Dobbins, James G., Long Beach, Calif. Packing ring for pumps. 1,826,057; Oct. 6.
Dobbins, John L., Berkeley, Calif., and P. Ursino, New York, N. Y. Ballast-cleaning machine. 1,792,148; Feb. 10.
Dobbins, John L., Berkeley, Calif., and P. Ursino, New York, N. Y. Ballast cleaning machine. 1,831,483; Nov. 10.
Dobbins Manufacturing Company, The. (See Brandt, Henry E., assignor.)
Dobbins, Timothy C., Denver, Colo. Flexible shaft coupling. 1,812,141; June 30.
Dobbs, Albert R., East Detroit, Mich. Combined goggles for grinding and welding. 1,825,386; Sept. 29.
Dobeckmun Company, The. (See Becker, L. A., and Munson, assignors.)
Dobie, Bradley, Ridgewood, N. J., assignor, by mesne assignments, to American Arch Company, Inc., New York, N. Y. Furnace structure. 1,806,747; May 26.
Dobie, Bradley, Chicago, Ill., assignor to American Arch Company. Combustion chamber. 1,806,793; May 26.
Doble, Jesse W., Berkeley, now by judicial change of name W. Doble, assignor to Doble Laboratories, San Francisco, Calif. Boiler control system. 1,822,133; Sept. 8.
Doble Laboratories. (See Doble, Jesse W., assignor.)
Doble, Ralph N., Bayside, N. Y., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Closure handling machine. 1,801,728; Apr. 21.
Doble Steam Motors Corporation. (See Doble, Warren, assignor.)
Doble, Warren. (See Doble, Jesse W.)
Doble, Warren, Berkeley, Calif., assignor to Doble Steam Motors Corporation, Wilmington, Del. Boiler feed water control device. 1,804,751; May 12.
Doblhoff, Otto, Cakovic, near Prague, Czechoslovakia. Apparatus for depositing lump and granular material. 1,802,633; Apr. 28.
Dobmaier, Karl, Wiesdorf, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New azodyestuff. 1,818,049; Aug. 11.
Dobmaier, Karl, Leverkusen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Emulsifying agents. 1,822,957; Sept. 15.
Dobrick, August C., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Valve. 1,800,608; Apr. 14.
Dobrick, August C., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Wash basin fixture. 1,821,260; Sept. 1.
Dobrick, Victor, Breslau, Germany. Apparatus for the production of wire gratings by electric welding. 1,801,805; Apr. 21.
Dobrinski, Paul, Makoti, N. Dak. Drill stem. 1,816,767; July 28.
Dobrowsky, Emmanuel, assignor to Motor Car Advertising Device Co., Inc., New York, N. Y. Advertising device. 1,813,442; July 7.
Dobrowsky, Emanuel, assignor to Motor Car Advertising Device Co., Inc., New York, N. Y. Vacuum motor. 1,814,903; July 14.
D'Obry, Valdemar W., Schlachtensee, near Berlin, Germany. Manufacture of unbleached paper, cardboard, and the like. 1,791,092; Feb. 3.
Dobson and Barlow Limited. (See Schofield, Charles, assignor.)
Dobson, Ellsworth S., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inductive coupling device. 1,837,413; Dec. 22.
Dobson, Harry E., New York, N. Y. Automatic valve. 1,814,904; July 14.
Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriter. Des. 84,926; Aug. 25.
Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,801,544; Apr. 21.
Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,810,309; June 16.
Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,837,025; Dec. 15.
Dobyns, Daniel T., administrator. (See Wooding, Benjamin F., assignor.)
Dock, Herman, Guadalajara, Mex. Piston. 1,788,566; Jan. 13.
Dockett, James, jr., Roxbury, Mass. Garment hanger. 1,804,919; May 12.
Dodd, Gerald D., Greensburg, Pa. Method and apparatus for exchanging heat. 1,813,234; July 7.
Dodd, Harlson H., jr., Luzerne, Iowa. Door latch. 1,789,619; Jan. 20.
Dodd, Roy L., Wauwatosa, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Duct terminal. 1,817,130; Aug. 4.
Dodd, West, Des Moines, Iowa. Automobile compass. 1,822,340; Sept. 8.
Dodd, William J., Miami, Okla. Price card holder. 1,839,016; Dec. 29.
Doddridge, James M., Milton, Ind. Highway guard. 1,826,998; Oct. 13.
Dodds, James C. (See Dodds, Redus D., assignor.)
Dodds, Louise E., and W. J., Detroit, Mich., assignors to The W. J. Baker Company Incorporated, Newport, Ky. Screened window operating device. 1,829,343; Oct. 27.
Dodds, Redus D., Pampa, assignor to J. C. Dodds, Houston, Tex. Well drilling apparatus. 1,811,002; June 23.
Dodds, Wilbert J. (See Dodds, Louise E and W. J.)
Dodge, Adiel Y., South Bend, Ind. Lighting unit. 1,805,690; May 19.
Dodge, Adiel Y., South Bend, Ind. Head lamp lens. 1,819,283; Aug. 18.
Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Braking mechanism. 1,795,845; Mar. 10.
Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Manufacture of brake drums. 1,796,835; Mar. 17.
Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,799,582; Apr. 7.
Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,810,101; June 16.
Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake mechanism. 1,813,444; July 7.
Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Braking system. 1,820,604; Aug. 25.
Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,823,822; Sept. 15.
Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,827,421; Oct. 13.
Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,827,422; Oct. 13.
Dodge, Adiel Y., South Bend, Ind., and W. L. Pollard, Evanston, assignors to Bendix Brake Company, Chicago, Ill. Brake. 1,818,199; Aug. 11.
Dodge, Adiel Y., South Bend, Ind., and W. L. Pollard, Chicago, Ill., assignors to Bendix Brake Company, South Bend, Ind. Brake. 1,822,988; Sept. 15.
Dodge, Adiel Y., and R. S. Sanford, assignors to Bendix Brake Company, South Bend, Ind. Brake operating means. 1,824,038; Sept. 22.
Dodge, Arthur H., deceased, by Katherine Dodge, executrix, assignor to J. G. Wilson Corporation, New York, N. Y. Venetian blind. 1,798,869; Mar. 31.
Dodge, Charles H., assignor to The Globe Company, Chicago, Ill. Truck. 1,815,244; July 21.

Dodge, Clinton C., assignor of one-half to H. F. Delmanhorst, Louisville, Ky. Reflecting lens unit. 1,807,472; May 26.
Dodge, Floyd V., and F. M. Wykert, Grant, assignors of one-third to A. J. Karraker, Venango, Nebr. One-way clutch. 1,818,844; Aug. 11.
Dodge, Horace E., Boat & Plane Corporation. (See Dodge, Horace E., assignor.)
Dodge, Horace E., Boat & Plane Corporation. (See Horn, William M., assignor.)
Dodge, Horace E., Detroit, Mich., assignor to Horace E. Dodge Boat & Plane Corporation, New York, N. Y. Combination forward-deck unit. 1,794,168; Feb. 24.
Dodge, John H., et al., trustees. (See Dodge, John H., assignor.)
Dodge, John H., Worcester, assignor to L. C. Smith, Newton, H. R. Sinclair and J. H. Dodge, Worcester, Mass., as trustees. Reversible ratchet wrench. 1,798,194; Mar. 31.
Dodge, Katherine, executrix. (See Dodge, Arthur H.)
Dodge, Lyman E., and N. D. Preston, Rochester, assignors to General Railway Signal Company, Gates, N. Y. Automatic train-control system. 1,794,593; Mar. 3.
Dodge Manufacturing Corporation. (See Strong, Arthur P., assignor.)
Dodge Manufacturing Corporation. (See Van Dehroef, George N., assignor.)
Dodge, Phelps, Corporation. (See Legrand, Charles, assignor.)
Dodge, Prestel O., Denver, Colo. Deckle edging device. 1,820,303; Aug. 25.
Dodge, Sherwood O., Medford, assignor to H. F. Livermore Co., Allston, Mass. Electric feeler mechanism for looms. 1,791,557; Feb. 10.
Dodge, William L., Dover, N. H. Operating curtains. 1,790,412; Jan. 27.
Dodge, X. Raymond, Hinsdale, Ill. Screw machine. 1,794,885; Mar. 3.
Dodgson, Frank L., assignor to General Railway Signal Company, Rochester, N. Y. Railway-traffic-controlling system. 1,794,594; Mar. 3.
Dodgson, Frank L., assignor to General Railway Signal Company, Rochester, N. Y. Railway-traffic-controlling system. 1,794,595; Mar. 3.
Dodgson, Frank L., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,824,127; Sept. 22.
Dodgson, Frank L., assignor to General Railway Signal Company, Rochester, N. Y. Checking trackway devices. 1,831,232; Nov. 10.
Dodson, Alcada F., Chicago, Ill. Key holder. 1,793,594; Feb. 24.
Dodson, Alcada F., Chicago, Ill. Combined keyholder and record device. 1,837.810; Dec. 22.
Dodson, Carroll E., assignor to L'Art Manufacturing Company, Kansas City, Mo. Container opener. 1,827,307; Oct. 13.
Dodson, Roy E., San Diego, Calif. Toilet flush valve-guide. 1,803,603; May 5.
Doeg, Ralph W., assignor to Kelvinator Corporation, Detroit, Mich. Compressor valve. 1,797,761; Mar. 24.
Doehler Die-Casting Co. (See Morin, Louis H., assignor.)
Doehler Die-Casting Co. (See Morin, L. H., and Tour, assignors.)
Doehler Furniture Co. Inc. (See Pauli, Erwin J., assignor.)
Doehler Products Corp. (See Véricel, Antoine, assignor.)
Doehler Vending Machines, Inc. (See Morin, Louis H., assignor.)
Doehring, Stephen C., Chicago, Ill. Boring ripper. 1,819,949; Aug. 18.
Doehring, Walter M. (See Apple, V. G., and Doehring.)
Doelfel, John G. (See Sauer, Conrad, assignor.)
Doell, Theodore W. (See Cushman, O. E., and Doell.)
Doen, Loran F., assignor to The Cleveland Heater Company, Cleveland, Ohio. Gas burner. 1,830,159; Nov. 3.
Doerinckel, Fritz, and M. Schliemann, Leverkusen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of hollow articles of quartz and similar bodies of high melting point and the furnace thereof. 1,829,821; Nov. 3.
Doering, Albert L., Germantown, Pa., assignor to J. S. Thorn Company, Philadelphia County, Pa. Metallic window structure. 1.811.664; June 23.
Doering, Albert L., Germantown, assignor to J. S. Thorn Company, Philadelphia County, Pa. Metallic window structure. 1,812,822; June 30.
Doering, Charles, Chicago, Ill. Sandwich loaf. 1,797,856; Mar. 24.
Doering, Charles, Chicago, Ill. Advertising amusement device. 1,810,467; June 16.
Doering, Charles and H. H., Chicago, Ill. Continuous cheese-processing machine. 1,796,445; Mar. 17.
Doering, Charles and H. H., Chicago, Ill. Continuous-butter-working machine. 1,799,504; Apr. 7.
Doering, Henry, et al. (See Baumgartner, John H., assignor.)
Doering, Henry H. (See Doering, Charles and H. H.)
Doermann, Albert J., assignor to Titan Abrasives Co., Inc., Chicago, Ill. Making an abrasive disk. 1,832,535; Nov. 17.
Doerr, Carl, Naumburg-on-the-Saale, Germany. Multipart articulated reenforced concrete sleeper. 1,795,110; Mar. 3.
Doerr, Carl, Naumburg-on-the-Saale, Germany. Two-part reenforced-concrete sleeper. 1,799,007; Mar. 31.
Doerschuk, Victor C., Massena, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa. Carbon electrodes and molding the same. Re18,062; May 5.
Doerseln, Paul. (See Adler, J., and Doerseln.)
Doesken, Henry, assignor of one-half to C. De Le Fond, Los Angeles, Calif. Vehicle operated gate. 1,815,193; July 21.
Doheny-Stone Drill Co. (See Stone, Frederick, assignor.)
Doheny-Stone Drill Co. (See Stone, Frederick and A. L., assignors.)
Doherty, Helen Lee E., New York, N. Y. Automobile body. Des. 84,074; May 5.
Doherty, Helen Lee E., New York, N. Y. Automobile body. Des. 84,075; May 5.
Doherty, Henry L. (See Loebell, Henry O., assignor.)
Doherty, Henry L., New York, N. Y. Developing oil fields. 1,787,972; Jan. 6.
Doherty, Henry L., New York, N. Y. Developing oil fields. 1,787,973; Jan. 6.
Doherty, Henry L., New York, N. Y. House heating system. 1,819,459; Aug. 18.
Doherty, Henry L., New York, N. Y. Method and apparatus for obtaining indications of earth formations. 1,838,559; Dec. 29.
Doherty Research Company. (See Brandt, David G., assignor.)
Doherty Research Company. (See Fisher, James P., assignor.)
Doherty Research Company. (See Goldsborough, Winder E., assignor.)
Doherty Research Company. (See Goldsborough, W. E., and Schilling, assignors.)
Doherty Research Company. (See Goldsborough, Winder E., Morgan, and Wyckoff, assignors.)
Doherty Research Company. (See Greenfield, Benjamin, assignor.)
Doherty Research Company. (See Griswold, Robert G., assignor.)
Doherty Research Company. (See Laird, Wilbur G., assignor.)
Doherty Research Company. (See Lee, Charles A., jr., assignor.)
Doherty Research Company. (See Lowe, Russell E., assignor.)
Doherty Research Company. (See Lyons, Henry N., assignor.)
Doherty Research Company. (See Merley, Sylvan R., assignor.)
Doherty Research Company. (See Morgan, John D., assignor.)
Doherty Research Company. (See Morgan, J. D., Bjorkstedt, and Lowe, assignors.)
Doherty Research Company et al. (See Niles, Glenn H., assignor.)
Doherty Research Company. (See O'Connor, John F., assignor.)
Doherty Research Company. (See Setchkin, Nicholas P., assignor.)
Doherty Research Company. (See Stone, James L., assignor.)
Doherty Research Company. (See Wyckoff, George H., assignor.)
Doherty, William, West Philadelphia, Pa. Automatic water-cooled refrigerator. 1,797,133; Mar. 17.
Dohnalek, Rudolf, Chicago, Ill. Alarm-clock mechanism. 1,792,365; Feb. 10.
Dohner, Donald R. (See Jordan, R. H., Hadley, and Dohner.)
Dohrn, Max and Ralph Dirksen, Berlin-Charlottenburg, assignors to the Firm Schering-Kahlbaum A. G., Berlin, Germany. Iodides of 2-aminopyridine and its derivatives and making same. 1,793,683; Feb. 24.
Dohrn, Peter H., Wesselburen, Germany. Transplanting implement. 1,823,789; Sept. 15.
Doi, Rinkichi. (See Yoshioka, Shojiro, assignor.)
Dokken, Anton, Brookings, S. Dak. Fly chaser. 1,804,326; May 5.
Dolan, David J., Cleveland Heights, Ohio, and J. J. Quinn, Chester, Pa. License plate holder. 1,834,690; Dec. 1.
Dolan, Frederick J., assignor to Riley Stoker Corporation, Worcester, Mass. Distributing device. 1,805,940; May 19.
Dolan, John A., Oakland, Calif. Cleaning device. 1,793,307; Feb. 17.
Dolan, Thomas F. (See Becker, L. A., and Munson, assignors.)
Dolan, William A., assignor to The Wilbert Products Co. Inc., New York, N. Y. Bottle or similar article. Des. 84,234; May 26.
Dold, Alfred L., Drexel Hill, Pa. Hose coupling. 1,810,268; June 16.
Dolding, Chester J. (See Smith, C. J., McNeill, and Dolding.)
Dolding, Chester J., assignor to Morgan & Wright, Detroit, Mich. Balloon tire. 1,835,639; Dec. 8.
Dole Refrigerating and Machine Company. (See Kleist, Herman W., assignor.)
Dole, Vincent P., assignor to Old Monk Olive Oil Co., Chicago, Ill. Bottle. Des. 85,689; Dec. 8.

Dolgin, Aaron, Toledo, Ohio. Circuit closer. 1,795,251; Mar. 3.
Dolia, Antonio, Crescenzago, Italy. Former for artificial flowers. 1,819,234; Aug. 18.
Doll, Carl, Coblenz, assignor to Friedrich Mauthe G. m. b. H., Uhrenfabriken, Schwenningen, Germany. Striking clock with electric winding mechanism and running reserve. 1,833,071; Nov. 24.
Doll, Charles F., Aberdeen, Wash. Clutch. 1,816,929; Aug. 4.
Doll, William F., East Las Vegas, N. Mex. Automobile headlight. 1,796,191; Mar. 10.
Dollack, Charles, assignor to The Jacobs Bros. Co. Inc., Brooklyn, N. Y. Scale. 1,812,937; July 7.
Dollack, Charles, assignor to The Jacobs Bros. Co., Inc., Brooklyn, N. Y. Poise. 1,817,131; Aug. 4.
Dollinger, Lewis L., Rochester, N. Y. Filter and cleaning it. 1,830,097; Nov. 3.
Dollinger, Lewis L., Rochester, N. Y. Heating and cooling system. 1,830,099; Nov. 3.
Dollinger, Lewis L., assignor to Staynew Filter Corporation, Rochester, N. Y. Pipe line filter. 1,830,095; Nov. 3.
Dollinger, Lewis L., assignor to Staynew Filter Corporation, Rochester, N. Y. Panel air filter. 1,830,096; Nov. 3.
Dollinger, Lewis L., assignor to Staynew Filter Corporation, Rochester, N. Y. Cleaning tool for filters. 1,830,098; Nov. 3.
Dolmage, Mihran M., Washington, D. C. Negative capacity device. 1,815,838; July 21.
Dolomite Incorporated. (See Barrett, Harvey N., assignor.)
Dolson, Harold K. (See Monroe, F. R., Dolson, and Tuttle.)
Dolson, William P., Houston, Tex. Air lift device for wells. 1,834,052; Dec. 1.
Domagala, Simon, Holcombe, Wis. Power brush cutter. 1,830,871; Nov. 10.
Domagall, John E., assignor to W. H. Maze Company, Peru, Ill. Glazier's point setter. 1,788,863; Jan. 13.
Doman, Albert E., assignor to Mando Company, Incorporated, Elbridge, N. Y. Electric motor. 1,821,911; Sept. 1.
Doman, John P., Los Angeles, Calif. Ironing board. 1,794,838; Mar. 3.
Doman, John P., Los Angeles, Calif. Ironing board. 1,803,844; May 5.
Domaschko, Andreas, deceased, by A. Domaschko, administratrix, assignor of one-half to C. Barth, Vienna, Austria. Impulse emitter. 1,788,988; Jan. 13.
Domaschko, Anna, administratrix. (See Domaschko, Andreas.)
Domber, Joseph and M., Bronx, assignors to Peerless Sample Card Co. Inc., New York, N. Y. Sample card. 1,788,826; Jan. 13.
Domber, Morris. (See Domber, Joseph and M.)
Dome, Edward. (See Osterday, George A., assignor.)
Dome, Robert B., Schenectady, N. Y., assignor to General Electric Company. Fading control system for radio reception. 1,814,832; July 14.
Domenigoni, Charley, San Bernardino, Calif. Signal. 1,834,830; Dec. 1.
Domenizian, Aguestin. (See Wright, Orion B., assignor.)
Domestic Electric Company, The. (See Cole, James D., assignor.)
Domestic Electric Company. (See Teare, Albert R., assignor.)
Domestic Stoker Company. (See Hall, Cortice H., assignor.)
Domestic Stoker Company. (See Wightman, Merle J., assignor.)
Dominion Electrical Manufacturing Company. (See Ajax, Erick J., assignor.)
Dominion Electrical Mfg. Company. (See Barnes, William A., assignor.)
Dominion Electrical Manufacturing Co. (See Gratz, Arline A., assignor.)
Dominion Electrical Manufacturing Co. (See Gratz, A. A., and Ajax, assignors.)
Dominion Forge & Stamping Company. (See Waldron, Russell E., assignor.)
Domizi, David F., Cleveland, Ohio. Multiple spindle machine. 1,826,867; Oct. 13.
Domizi, David F., Lima, Ohio, assignor to Relay Motor Products Corporation. Motor vehicle axle construction. 1,802,461; Apr. 28.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Slide buckle. 1,787,616; Jan. 6.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Slide buckle. 1,788,664; Jan. 13.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Button loop. 1,792,289; Feb. 10.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Slide buckle. 1,792,290; Feb. 10.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Button loop. 1,798,146; Mar. 31.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Loop slide buckle. 1,802,501; Apr. 28.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Slide buckle. 1,810,647; June 16.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Button loop. 1,831,804; Nov. 17.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Button loop. 1,832,191; Nov. 17.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Button loop. 1,836,454; Dec. 15.
Domkee, John H., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Slide buckle. 1,836,959; Dec. 15.
Domler, Charles A. (See Tost, C. R., and Domler.)
Domler, Charles A., assignor to The Hadley Company, Inc., Providence, R. I. Watch-bracelet connecter. 1,798,595; Mar. 31.
Domler, Charles A., assignor to The Hadley Company, Inc., Providence, R. I. Bracelet connecter. 1,830,020; Nov. 3.
Domres, Emil, Chicago, Ill. Floor sanding machine. 1,831,554; Nov. 10.
Domries, Otto, Santa Ana, Calif. Disk attachment for ridging machines. 1,835,208; Dec. 8.
Doms, Jules, H. Wolter, and R. Simon, Brussels, Belgium. Headlight-operating mechanism for motor cars and the like. 1,796,192; Mar. 10.
Don Chemical Company, The. (See Britton, Edgar C., assignor.)
Donadio, Americo, Rome, Italy. Automobile radiator. 1,827,568; Oct. 13.
Donahue, A. J. Corporation, The. (See Burns, James E., assignor.)
Donahue, A. J., Corporation, The. (See Jacobs, Joseph, assignor.)
Donahue, John E., et al. (See King, Joseph F., assignor.)
Donahue, Thomas M., et al. (See King, Joseph F., assignor.)
Donald, Eben G., Starksboro, Vt. Attachment for saw horses. 1,802,202; Apr. 21.
Donald, Forrest V., Minneapolis, Minn., assignor to Gilson Manufacturing Company, Port Washington, Wis. Ground cultivating machine. 1,811,175; June 23.
Donald, James R., Montreal, Quebec, Canada. Production of carbon dioxide ice. 1,806,240; May 19.
Donaldson, Charles H. (See Mabee, Charles R., assignor.)
Donaldson, Edwin B., and W. W. Donaldson, Washington, D. C. Barricade. 1,824,334; Sept. 22.
Donaldson, Francis, Yonkers, assignor to Mason & Hanger Company, Inc., New York, N. Y. Constructing tunnel stations. 1,800,819; Apr. 14.
Donaldson, Frank A., St. Paul, Minn. Spark arrester for internal combustion engines. 1,811,043; June 23.
Donaldson, John, Dunedin Otago, New Zealand. Tractor. 1,800,782; Apr. 14.
Donaldson, Frank A., St. Paul, Minn. Spark arrester for internal combustion engines. 1,831,805; Nov. 17.
Donaldson, John W., Irvington, N. Y., and B. L. Polkosnik, Greenwich, Conn. Card index file cabinet. 1,804,597; May 12.
Donaldson, Joseph G., and H. L. Coles, assignors to Guardian Metals Company, Hamilton, Ohio. Metallic refractory material. 1,820,966; Sept. 1.
Donaldson Manufacturing Company. (See Hadden, William J., assignor.)
Donaldson Manufacturing Company Limited. (See Hadden, William J., assignor.)
Donaldson, Theodore L., Poughkeepsie, assignor to J. R. Schalk, Rhinebeck, N. Y. Boat. 1,805,131; May 12.
Donaldson, William T. (See Caesar, J., and Donaldson.)
Donaldson, William W. (See Donaldson, Edwin B., and W. W.)
Donavan, Paul J., Los Angeles, Calif., assignor, by mesne assignments, to Bendix-Cowdrey Brake Tester, Inc., Fitchburg, Mass. Brake testing machine. Re18,270; Dec. 8.
Doncaster, Ensley J. (See Gerber, R., Doncaster, and Ewart.)
Dondlinger, Eugene J., Chicago, Ill. Dumping gear. 1,817,132; Aug. 4.
Doner, Martin J., Los Angeles, Calif. Right and left turn vehicle signal. 1,815,614; July 21.
Doney, William A., and L. L. Clausius, Portland, Oreg. Automatic expanding reel. 1,831,848; Nov. 17.
Donkin, William L., and W. G. McCarty, Longmont, Colo. Inflating and deflating device. 1,814,206; July 14.
Donkin, William L., and W. G. McCarty, Longmont, Colo. Automatic inflating and deflating device. 1,814,207; July 14.
Donle, Harold P., Meriden, Conn. Television apparatus. 1,826,305; Oct. 6.
Donle, Harold P., Meriden, Conn., assignor, by mesne assignments, to Radio Inventions, Inc. Amplifier coupling. 1,789,673; Jan. 20.
Donle, Harold P., Meriden, Conn., assignor, by mesne assignments, to Radio Inventions, Inc. Electromagnetic pick-up. 1,797,197; Mar. 17.
Donle, Harold P., Meriden, Conn., assignor to Radio Inventions, Inc. Television. 1,800,057; Apr. 7.
Donle, Harold P., Meriden, Conn., assignor, by mesne assignments, to Radio Inventions, Inc. Audio frequency coupling. 1,808,726; June 2.

Donle, Harold P., Meriden, Conn., assignor, by mesne assignments, to Radio Inventions, Inc. Amplifier coupling. 1,815,023; July 14.
Donle, Harold P., Meriden, Conn., assignor to Radio Inventions, Inc., New York, N. Y. Rectifier. 1,815,369; July 21.
Donle, Harold P., Meriden, Conn., assignor to Radio Inventions, Inc., New York, N. Y. Rectifier. 1,815,370; July 21.
Donle, Harold P., Meriden, Conn., assignor, by mesne assignments, to Radio Inventions, Inc. Magnetic pick up. 1,822,841; Sept. 8.
Donley, Harold B., assignor to The Columbus Auto Brass Company, Columbus, Ohio. Oil measure. 1,805,813; May 19.
Donley, Harold B., assignor to The Columbus Auto Brass Company, Columbus, Ohio. Liquid measure. 1,808,024; June 2.
Donley, Robert W., Philadelphia, Pa. Washing and drying machine. 1,825,584; Sept. 29.
Donlin, John, Brooklyn, N. Y. Game. 1,804,860; May 12.
Donmac Products Corporation. (See Mackenzie, Donald G., assignor.)
Donnan, Earl H., Chestnut, Ill. Manure loader. 1,798,315; Mar. 31.
Donnell, Harold W., New York, N. Y. Index or filing card. 1,804,528; May 12.
Donnellan, Edward P., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y. Coin separating and counting machine. 1,799,784; Apr. 7.
Donnellan, Edward P., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y. Coin-handling machine. 1,799,785; Apr. 7.
Donnellan, Edward P., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y. Coin separating and counting mechanism. 1,799,786; Apr. 7.
Donnellan, Edward P., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y. Coin counting machine. 1,805,079; May 12.
Donnellan, Edward P., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y. Coin counting mechanism. 1,805,132; May 12.
Donnellan, Edward P., assignor to Standard-Johnson Company, Inc., Brooklyn, N. Y. Coin counting machine. 1,819,235; Aug. 18.
Donnelley, R. R., & Sons Company. (See Ackley, Raymond E., assignor.)
Donnelley, R. R., & Sons Company. (See Alger, H. C., and Frazier, assignors.)
Donnelley, R. R., & Sons, Company. (See Easton, Robert D., assignor.)
Donnelley, R. R., & Sons, Company. (See Frazier, Philip A., assignor.)
Donnelly, Alvin M., Ventura, Calif. Kelly bushing. 1,796,984; Mar. 17.
Donnelly, Charles A., Chicago, Ill. Goggles. 1,806,524; May 19.
Donnelly, John. (See Forsberg, H. S., and Donnelly.)
Donnelly, Nell Q., Kansas City, Mo. Garment. 1,806,794; May 26.
Donnelly, Robert E., and G. S. Jacob, Kearny, N. J. Vanity case and analogous apparatus. 1,834,053; Dec. 1.
Donner, Friedrich O., Chemnitz, Germany. Bathing suit. 1,822,958; Sept. 15.
Donner, Philip C., Summit, N. J. Pelt or skin dehairing machine. 1,795,643; Mar. 10.
Donner, Robert. (See Butler, E. A., and Olive, assignors.)
Donohoe, Philip, Los Angeles, Calif. Identification seal. 1,824,199; Sept. 22.
Donohue, James A., Philadelphia, Pa. Medical cabinet for light ray treatment. 1,806,674; May 26.
Donohue, John M. (See Seel, P. C., Webb, and Donohue.)
Donovan, B., et al., trustees. (See Donovan, Bernard S., assignor.)
Donovan, Bernard S., Los Angeles, Calif. Mothkiller hygienic garment protector. 1,829,854; Nov. 3.
Donovan, Bernard S., assignor to B. Donovan and H. F. Fisher, trustees of The National Chemical Products Company, Denver, Colo. Moth killer hygienic garment protector. 1,825,144; Sept. 29.
Donovan, Edward B., Spirit Lake, Iowa. Heart trocar. 1,835,287; Dec. 8.
Donovan, John F., East Cleveland, and F. J. Malloy, Cleveland, Ohio, assignors to General Electric Company. Bulb shaping device. 1,812,776; June 30.
Donovan, John J., Bronx, N. Y. Partition. 1,820,123; Aug. 25.
Donovan, John J., Oakland, and E. F. Wiley, San Francisco, Calif. Awning type window. Re18,125; July 7.
Donovan, Norman L., Jersey City, N. J., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,824,748; Sept. 22.
Dooley, Channing R. (See Harris, Barnett, assignor.)
Dooley, Edward G., assignor of forty-nine per cent to F. M. Hiyake, Los Angeles, Calif. Apparatus for heating and sterilizing towels. 1,804,752; May 12.
Dooley, George W., Ducor, Calif. Rotary pump. 1,797,905; Mar. 24.
Dooley, George W., Ducor, Calif. Hydraulic mechanism for driving motor vehicles. 1,803,932; May 5.
Dooley, George W., Ducor, Calif. Hydraulic driving mechanism. 1,803,933; May 5.
Dooley, George W., Huntington Park, Calif. Purifying water. 1,812,516; June 30.
Doolin, Charles E., San Antonio, Tex. Car service tray. 1,833,829; Nov. 24.
Doolittle, Earl C., and A. S. Carrillo, Los Angeles, Calif., assignors to Angelus Souvenir & Mfg. Co. Apparatus for making berets. 1,792,681; Feb. 17.
Doolittle, Franklin M., New Haven, Conn., assignor to Radio Corporation of America. Sound-recording and sound-reproducing and locating apparatus. 1,817,177; Aug. 4.
Doolittle, Ora M. (See Hewitt, William H., assignor.)
Doolittle, Samuel M., Decker, Ind. Producing fertilizer. 1,810,239; June 16.
Door Company, The. (See Neill, W. A., and Stedman, assignors.)
Doorbar, John H., Highland Park, N. J., assignor to Du Pont-Pathe Film Manufacturing Corporation, Wilmington, Del. Protecting film. 1,798,870; Mar. 31.
Door-Motive Corporation. (See Bancroft, James E., assignor.)
Doornbos, Jay F. (See Leach, E. C., and Doornbos.)
Dootson, Norman L., San Francisco, assignor of one-fifth to C. W. Bassett and W. B. Juett, Antioch, Calif. Rubber cushioned spring shackle. 1,827,284; Oct. 13.
Dootson, Norman L., San Francisco, assignor of one-third to C. W. Bassett and one-third to W. B. Juett, Antioch, Calif. Breathing apparatus. 1,831,292; Nov. 10.
Dopyera, Rudolph, Los Angeles, Calif. Stringed musical instrument. 1,803,100; Apr. 28.
Dorais, Charles E. (See Glahe, Fred W., assignor.)
Dorais, Charles E., Detroit, Mich. Athletic garment. 1,830,351; Nov. 3.
Doran, Elmer E., Merced, Calif. Wheeled scraper. 1,807,201; May 26.
Doran, James A., Providence, R. I. Apparatus for use in inflating pneumatic articles. 1,838,811; Dec. 29.
Doran, James F. deceased, Danbury, Conn.; J. C. Doran, executor. Hat ironing machine and the like. 1,835,146; Dec. 8.
Doran, James F., Danbury, Conn., deceased; J. C. Doran, executor. Hat clipping machine. 1,837,414; Dec. 22.
Doran, John C., executor. (See Doran, James F.)
Doran, John H., Schenectady, N. Y., assignor to General Electric Company. Throttle valve. 1,797,054; Mar. 17.
Doran, John H., Schenectady, N. Y., assignor to General Electric Company. Shaft bearing. 1,814,833; July 14.
Doran, Junius H., and L. L. Swartz, San Bernardino, Calif.; said Swartz assignor to S. H. Swartz. Hard fuel orchard heater. 1,836,314; Dec. 15.
Dorathy, Virgie A., North Bend, Nebr., and F. D. Allan, Boulder, Colo.; said Allan assignor to said Dorathy. Combined chicken brooder and runway. 1,839,173; Dec. 29.
Dorey, George B., Evanston, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car door. 1,830,387; Nov. 3.
Dorey, George B., Evanston, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car door. 1,830,388; Nov. 3.
Dorey, William A., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminair. 1,794,839; Mar. 3.
Dorfan, Morton I., assignor to Pangborn Corporation, Hagerstown, Md. Dust collector screen. 1,835,475; Dec. 8.
Dorff. Louis A. (See Kittredge, L. E., and Dorff.)
Dorfman, Hiller D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Thermostat. 1,802,758; Apr. 28.
Dorfner, Anton L., Philadelphia, Pa. Liquid filter. 1,794,281; Feb. 24.
Dorgan, Jeremiah F., assignor of sixty-five per cent to M. Randall, Brooklyn, N. Y. Spark indicator for internal-combustion engines. 1,793,278; Feb. 17.
Döring, Fritz, Berlin-Frohnau, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin, Siemensstadt, Germany. Electric switch. 1,814,246; July 14.
D'Orleans, Robert, San Francisco, Calif. Hair waving device. 1,835,936; Dec. 8.
Dorman, Neal W., and M. R. Hatch, assignors to The Toledo Machine & Tool Company, Toledo, Ohio. Adjustable device for power presses and the like. 1,801,037; Apr. 14.
Dorman, Neal W., and M. R. Hatch, assignors to The Toledo Machine & Tool Company, Toledo, Ohio. Power press control. 1,818,986; Aug. 18.
Dormeyer, Albert F., Chicago, Ill. Electric-motor-unit casing or similar article. 83,035; Jan. 13.
Dormon, James L., assignor to Basic Patents Corporation, Shreveport, La. Gas and vapor treating apparatus. 1,828,734; Oct. 27.
Dorn, Hans, Berlin, Germany. Adjustable wrench. 1,804,861 May 12.
Dorn, Norman L., and W. A. Clark, Long Beach, Calif. Collar, tubing and casing protector. 1,810,948; June 23.
Dorn, Paul G., Colden, N. Y. Skid chain. 1,794,062; Feb. 24.
Dorn, R. J., Co. (See Willis, Martin, assignor.)
Dorn, Walter, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electrical-contact breaker. 1,791,888; Feb. 10.

Dorn, Walter, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Battery ignition apparatus. 1,812,517; June 30.
Dorn, Walter, and M. Handke, Stuttgart, Germany, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electrical make and break apparatus. 1,836 654; Dec. 15.
Dornbusch, Josef, Krefeld, Germany, assignor to Lambert & Loomis, Inc. Textile fabric or similar article. Des. 84.570; July 7.
Dornbusch, Josef, Krefeld, Germany, assignor to Lambert & Loomis, Inc. Textile fabric or similar article. Des. 84.571; July 7.
Dornbusch, Josef, Krefeld, Germany, assignor to Lambert & Loomis, Inc. Textile fabric or similar article. Des. 84.572; July 7.
Dorner, Bela, Budapest, Hungary. Deriving high-grade cellulose from cottonseed hulls. 1,789,354; Jan. 20.
Dorner, Bèla, Budapest, Hungary, assignor, by mesne assignments, to Cornstalk Products Company. Treating cellulosic material. 1,819,152; Aug. 18.
Dorner, Michael J., and F. F. Merville, Binghampton, N. Y. Shock absorber. 1,802.411; Apr. 28.
Dorner, Pierre L., Evanston, Ill. Dry-cleaning apparatus. 1,788.085; Jan. 6.
Dorner, Pierre L., Evanston, Ill. Filter press. 1,788,086; Jan. 6.
Dorneth, Julius, Fonradshohe, near Tegel-Berlin, assignor to Typograph G. m. b. H., Berlin, Germany. Matrix bar for type line setting and casting machines. 1,833,830; Nov. 24.
Dornier, Claudius, assignor of one-half to the Firm Dornier-Metallbauten G. m. b. H., Friedrichshaften-on-the-Bodensee, Germany. Flying-machine structure. 1,799,889; Apr. 7.
Dornier, Claude, assignor of one-half to the Firm Dornier-Metallbauten G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Float for flying machines. 1,823.730; Sept. 15.
Dornier-Metallbauten G. m. b. H. (See Dornier, Claude, assignor.)
Dornier-Metallbauten G. m. b. H. (See Dornier, Claudius, assignor.)
Dornig, Walter, Berlin-Dahlem, Germany. Alternating-current generator with modulation frequency. 1,799,156; Apr. 7.
Dornseif, Frederic J., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Clock case. Des. 84,400; June 16.
Dornseif, Frederic J., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Clock case. Des. 84,401; June 16.
Dornseif, Frederic J., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Clock case. Des. 84,402; June 16.
Dornseif, Frederic J., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Clock case. Des. 84,403; June 16.
Dornseif, Frederic J., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Clock case. Des. 84,404; June 16.
Doroghy, Steven, Buffalo, N. Y. Band saw guide. 1,828,131; Oct. 20.
Dorogi, Dr., Es Tarsa Gummigyar R. T. (See Dorogi Istvân. and L., assignors.)
Dorogi, Istvân. (See Dorogi, Lajos and I.)
Dorogi, Istvân, and L. Dorogi, Budapest, assignors of one-half to Dr. Dorogi Es Tarsa Gummigyar R. T. Budapest, Albertfalva, Hungary. Inflatable hollow articles composed of flat rubber sheets. 1,801,267; Apr. 21
Dorogi, Istvân and L., Budapest, Hungary, assignors of one-half to Dr. Dorogi es Tarsa Gummigyar R. T., Budapest-Albertfalva, Hungary. Rubber footwear. 1,817,300; Aug. 4.
Dorogi, Istvan and L., Budapest, assignors to Dr. Dorogi Es Tarsa Gummigyár R. T., Budapest-Albertfalva, Hungary. Rubber ball. 1,820.124; Aug. 25.
Dorogi, Istvan and L., Budapest, Hungary, assignors of one-half to Dr. Dorogi Es Tarsa Gummigyar, R. T., Budapest-Albertfalva, Hungary. Inflatable hollow rubber body. 1,825,308; Sept. 29.
Dorogi, Lajos. (See Dorogi, Istvan and L.)
Dorogi, Lajos and I., Budapest, Hungary. Hollow inflatable sheet rubber bodies and producing the same. 1,816,472; July 28.
Dorr Company, The. (See Dorr, John V. N., assignor.)
Dorr Company, The. (See Dutton, Bert E., assignor.)
Dorr Company, The. (See Kivari, Arthur M., assignor.)
Dorr Company, The. (See Marriott, Alexander D., assignor.)
Dorr Company, The. (See Peebles, James, assignor.)
Dorr Company, The. (See Van Norman, Harvey A., assignor.)
Dörr, Eduard, and O. Leuchs, Elberfeld, and L. Rosenthal, Vohwinkel, near Elberfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Purifying cellulose ethers. 1,814,208; July 14.
Dorr, John V. N., assignor to The Dorr Company, New York, N. Y. Diaphragm pump. 1,791,615; Feb. 10.
Dorrance, Almos A., and A. G. Avakian, assignors of one-third to Joseph G. Williams, Detroit, Mich. Toothbrush. 1,809,330; June 9.
Dorrance, Charles J., Chicago, Ill. Shock absorber and silencer. 1,802,006; Apr. 21.
Dorrance, John G., Philadelphia, Pa. Aquatic vehicle. 1,836,793; Dec. 15.
Dorrington, Neill E. (See Peterson, W. R., and Dorrington.)
Dorris, Henry C., and L. C. Pritner, Johnstown, Pa., assignors to Bethlehem Steel Company. Car brake. 1,823,888; Sept. 22.
Dorris, Lewis R., Pensacola, Fla. Propeller for swimmers. 1,827.308; Oct. 13.
D'Orsay Perfumeries Corporation. (See Delaize, Paul C., assignor.)
Dorset, William S., assignor to Interstate Cotton Oil Refining Company, Sherman, Tex. Corrugated iron band. 1,809,679; June 9.
Dorsey, Benjamin L., and T. S. Ingersoll, assignors to Ingersoll Magnetic Lock Company, Los Angeles, Calif. Automobile hood lock. 1,804,387; May 12.
Dorsey, Farnum F., South Orange, N. J., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Power mechanism. 1,789,808; Jan. 20.
Dorsey, Farnum F., assignor, by mesne assignments, to North East Appliance Corporation, Rochester, N. Y. Magnetic horn. 1,790,004; Jan. 27.
Dorsey, Farnum F., assignor, by mesne assignments, to North East Appliance Corporation, Rochester, N. Y. Ignition-circuit controller. 1,795,937; Mar. 10.
Dorsey, Farnum F., assignor to North East Appliance Corporation, Rochester, N. Y. Electrical condenser 1,801,591; Apr. 21.
Dorsey, Farnum F., assignor to Electromatic Typewriters, Inc., Rochester, N. Y. Typewriting machine. 1,818,200; Aug. 11.
Dorsey, Frank M., South Euclid, assignor to Madsenell Corporation, Portsmouth, Ohio. Apparatus for treating flexible metal bodies. 1,793,914; Feb. 24.
Dorsey, Howard E. (See Mouron, R. A., and Dorsey.)
Dorsey, Robert L., Indianapolis, Ind. Ironing board. 1,802,503; Apr. 28.
Dort, Robert G. (See Dreyfus, C., Dort, and Platt.)
Dorton, John M., Bonner Springs, Kans. Combination bed and seat. 1,814.789; July 14.
Dosch, Frank M., Richland Center, Wis. Vegetable and root shredder. 1,802,203; Apr. 21.
Dose, Frederick W., Bexley, New South Wales, Australia. Machine for the manufacture of airscrews. 1,825,182; Sept. 29.
Doser, Arnold, Cologne-Mulheim, and A. Thauss, Cologne-Deutz, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. New condensation resin phenol products. 1,788,371; Jan. 13.
Doser, Arnold, Cologne-Mulheim, and A. Thauss, Cologne-Deutz, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. New condensation resin phenol products. 1,788,372; Jan. 13.
Doser, Arnold, Cologne-Mulheim, G. Mauthe, Cologne-Holweide, and A. Thauss, Cologne-Deutz, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New products obtainable from resins. 1.828,033; Oct. 20.
Dosick, Samuel, Providence, R. I. Pistol charm. 1,805,080; May 12.
Dos Santos, Roal, Honolulu, Hawaii. Rice and grain washing utensil. 1,792.190; Feb. 10.
Dos Santos, Roal, Honolulu, Territory of Hawaii. Umbrella. 1,809.474; June 9.
Dos Santos, Roal, Honolulu, Hawaii. Amusement apparatus. 1.834.238; Dec. 1.
Dos Santos Gallo, Carlos H. A. S., Marintha Grande, Portugal. Propeller. 1,822,867; Sept. 8.
Dotterweich, Andrew J., assignor to Automatic Water Softener Company, Pittsburgh, Pa. Water softener. 1.828.282; Oct. 20.
Dotterweich, Andrew J., assignor to Automatic Water Softener Company, Pittsburgh, Pa. Water softening apparatus. 1,834.387; Dec. 1.
Doty, John W., assignor to Community Construction Co., Olney, Ill. Mop handle fastener. 1,804.498; May 12.
Doty, Lee, and R. S. Carroll, Klamath Falls; said Doty assignor of three-tenths to S. W. Kesler, Jackson County, Oreg., and one-fifth to H. W. Herrick, Winfield, Kans. Demountable rim. 1,827.465; Oct. 13.
Doty, Wade, Jamestown, N. Y., assignor to International Air Brake Company, Salt Lake City, Utah. Fluid braking valve. 1,818.676; Aug. 11.
Doub, Edwin A., assignor of one-half to J. R. Wilkins, Walnut, Kans. Starting gear. 1,787,857; Jan. 6.
Double-A Alarm Company, The. (See Chapman, Arthur B., assignor.)
Doudna, Harold L. (See Ford, S. T., and Doudna.)
Douds, Ralph A., assignor to W. Peacock and R. Peacock, Lakeland, Fla. Valve. 1,805,391; May 12.
Douds, Ralph A., assignor to W. Peacock and R. Peacock, Lakeland, Fla. Valve. 1,805,392; May 12.
Dougan, Charles. (See Boynton, A. J., and Dougan.)
Dougan, David F., Memphis, Tenn. Mattress picker and renovator. 1,814,670; July 14.
Dougherty, Abe, Whitesburg, Ky. Railway switch. 1,799,008; Mar. 31.
Dougherty, Glenn O., Los Angeles, Calif. Fluid flow control fixture. 1,807.900; June 2.
Dougherty, Gregg, Princeton, N. J., assignor to E. C. Klipstein & Sons Company, New York, N. Y. Making ketones of the benzophenone type. 1,814,025; July 14.

Dougherty, Michael L., Sioux City, Iowa. Fire alarm. 1,799,583; Apr. 7.
Dougherty, Robert J., Ambler, assignor to John Wood Manufacturing Company, Conshohocken, Pa. Flow controlled gas water heater. 1,829,742; Nov. 3.
Dougherty, Robert S. A., and R. J. McIntosh, Bethlehem, Pa., assignors to Bethlehem Steel Company. Sheet piling. 1,806,967; May 26.
Doughnut Machine Corporation. (See Ainslie, Morris D., assignor.)
Doughnut Machine Corporation. (See Bergner, John C., assignor.)
Doughnut Machine Corporation. (See Blinn, Harry M., assignor.)
Doughnut Machine Corporation. (See Broeg, William E., assignor.)
Doughnut Machine Corporation. (See Friedel, Jacob H., assignor.)
Doughnut Machine Corporation. (See Hunter, Herbert T., assignor.)
Doughtie, Joseph L., Franklin, Va. Peanut treating machine. 1,802,412; Apr. 28.
Doughty, Glenn A., and H. A. Johnston, Anaheim, Calif. Balanced high pressure valve. 1,815,349; July 21.
Doughty, Glenn A., and H. A. Johnston, Anaheim, Calif. Balanced gate valve. 1,821,054; Sept. 1.
Doughty, Howard W., Amherst, Mass. Fire extinguisher. 1,813,034; July 7.
Doughty, William E., assignor to James Vernor Company, Detroit, Mich. Cooling unit. 1,798,373; Mar. 31.
Douglas Aircraft Company. (See Kindelberger, James H., assignor.)
Douglas, Albert M., Memphis, Tenn. Tree carrier. 1,837,026; Dec. 15.
Douglas, C. Gwynne, Inc., et al. (See Bouchard, Louis O., assignor.)
Douglas, Charles E. (See Ricks, S. J., and Douglas.)
Douglas, Donald Q. (See Douglas, Wallace R., W. H., and D. Q.)
Douglas, Fredric E., assignor to Draper Corporation, Hopedale, Mass. Filling replenishing shuttle. 1,812,087; June 30.
Douglas, Gordon C., Covina, assignor of one-half to D. G. Small, Los Angeles, Calif. Construction material. 1,804,753; May 12.
Douglas, Harry A. (See Watts, Felix J., assignor.)
Douglas, Harry A., Bronson, Mich. Electric switch. 1,789,462; Jan. 20.
Douglas, Harry A., Bronson, Mich. Internal-combustion-engine power plant. 1,790,264; Jan. 27.
Douglas, Harry A., Bronson, Mich. Internal-combustion-engine power plant. 1,790,265; Jan. 27.
Douglas, Harry A., Bronson, Mich. Combined steering and lighting mechanism for vehicles. 1,815,871; July 21.
Douglas, Harry A., Bronson, Mich. Internal combustion engine power plant. 1,817,974; Aug. 11.
Douglas, Harry A., Bronson, Mich. Electric lamp. 1,817,975; Aug. 11.
Douglas, Harry A., Bronson, Mich. Electric lamp. 1,824,804; Sept. 29.
Douglas, Harry A., Bronson, Mich. Electric switch. 1,826,509; Oct. 6.
Douglas, John, Pensacola, Fla., assignor to The John Douglas Company, Cincinnati, Ohio. Waste receptacle. 1,804,213; May 5.
Douglas, John, Company, The. (See Douglas, John, assignor.)
Douglas, John G., Leagrave Luton, assignor to George Kent, Limited, Luton, England. Variable velocity ratio mechanism. 1,808,131; June 2.
Douglas, Louis M. (See Parsons, C. A., Cook, and Douglas.)
Douglas, Malcolm K., assignor to American Radiator Company, New York, N. Y. Molding apparatus. 1,802,241; Apr. 21.
Douglas, Peter S., San Francisco, and J. Filshill, Cupertino, Calif. Collapsible box. 1,822,585; Sept. 8.
Douglas, Robert. (See Bender, W. A., Douglas, and Cuthbert.)
Douglas, Wallace R., W. H., and D. Q., Crete, Nebr. Voting booth. 1,815,142; July 21.
Douglas, William H. (See Douglas, Wallace R., W. H., and D. Q.)
Douglass, Andrew D., Malcom, Iowa. Operating board. 1,801,907; Apr. 21.
Douglass, Eloise K. (See Douglass, Frank J., assignor.)
Douglass, Frank J., assignor to E. K. Douglass, Chicago, Ill. Radiator. 1,819,812; Aug. 18.
Douglass, James S., jr., Canandaigua, N. Y. Steam heating system for automobiles. 1,826,168; Oct. 6.
Douglass, James S., jr., Canandaigua, N. Y. Heating system for automobiles and coupling therefor. 1,826,169; Oct. 6.
Douglass, Mabel P., Lathrop, Mo. Traction device for tires. 1,794,676; Mar. 3.
Douglass, Royal, South Bellingham, Wash. Can packer. 1,793,595; Feb. 24.
Douglass, Royal, South Bellingham, Wash. Automatic cooler or can-tray unloader. 1,793,596; Feb. 24.
Douglass, William A. (See Calcott, W. S., and Douglass.)
Douglass, William A., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Concentrating ores and minerals by flotation. 1,816,145; July 28.
Dounce, Clifford B., Waverly, N. Y. Fuel mixer. 1,796,706; Mar. 17.
Douthitt, Frank H., Chicago, Ill. Process of and apparatus for drying liquids. 1,829,477; Oct. 27.
Douthitt, Frank H., Chicago, Ill., assignor of one-half to C. E. Gray, Oakland, Calif. Apparatus for the desiccation of substances. 1,797,055; Mar. 17.
Douthitt, Frank W., Ortonville, Minn. Cutter head for corn cutting machines. 1,828,647; Oct. 20.
Douthitt, Frank W., Ortonville, Minn. Cutter head for corn cutting machines. 1,828,648; Oct. 20.
Douthitt, Frank W., Ortonville, Minn. Cutter head for corn cutting machines. 1,828,649; Oct. 20.
Douty, Alfred. (See Gravell, J. H., and Douty.)
Dove, Fred, Atlanta, Ga., assignor to S. A. Love. Fluid motor. 1,834,607; Dec. 1.
Dovel, G. P. (See Dovel, James P., assignor.)
Dovel, James P., Birmingham, Ala., assignor to G. P. Dovel. Gas cleaner. 1,797,906; Mar. 24.
Dover, David L., Seattle, Wash. Calendar attachment for fountain pens. 1,828,132; Oct. 20.
Dover, George W., assignor to Dovercraft Company, Inc., Providence, R. I. Curtain supporting means for windows and the like. 1,836,016; Dec. 15.
Dover, George W., assignor to Dovercraft Company, Inc., Providence, R. I. Hold-back means for curtains. 1,836,017; Dec. 15.
Dover, George W., assignor to Dovercraft Company, Inc., Providence, R. I. Curtain holding means. 1,836,018; Dec. 15.
Dover, Horace W., Northampton, England. Ornamental head for screws. 1,832,364; Nov. 17.
Dover, Samuel M., Chicago, Ill. Signaling device. 1,820,605; Aug. 25.
Dovercraft Company. (See Dover, George W., assignor.)
Dover Manufacturing Company. (See Warner, Maurice L., assignor.)
Doverspike, Philip B. (See McMeans, Frank L., assignor.)
Dovica, Anthony, Los Angeles, Calif. Broiler. 1,831,442; Nov. 10.
Dovidaitis, Mathew, Philadelphia, Pa. Cream receptacle. 1,831,527; Nov. 10.
Dovre, Anna E., Madison, Wis. Vegetable pan. 1,801,194; Apr. 14.
Dow, Alexander, New York, N. Y., assignor to Dow Patents Holding Corporation. Starter mechanism for internal combustion engines. 1,817,178; Aug. 4.
Dow, Alexander, New York, N. Y., assignor to Dow Patents Holding Corporation. Starter mechanism for engines. 1,817,179; Aug. 4.
Dow Chemical Company, The. (See Barstow, Edwin O., assignor.)
Dow Chemical Company, The. (See Barstow, E. O., and Heath, assignors.)
Dow Chemical Company, The. (See Best, N. A., and Hoy, assignors.)
Dow Chemical Company, The. (See Britton, Edgar C., assignor.)
Dow Chemical Company, The. (See Britton, E. C., and Slagh, assignors.)
Dow Chemical Company, The. (See Britton, E. C., and Stoesser, assignors.)
Dow Chemical Company, The. (See Britton, E. C., and Williams, assignors.)
Dow Chemical Company, The. (See Britton, E. C., Williams, and Putnam, assignors.)
Dow Chemical Company, The. (See Burdick, Edward C., assignor.)
Dow Chemical Company, The. (See Collings, William R., assignor.)
Dow Chemical Company, The. (See Collings, W. R., and Shafer, assignors.)
Dow Chemical Company, The. (See Grebe, John J., assignor.)
Dow Chemical Company, The. (See Grebe, J. J., and Boundy, assignors.)
Dow Chemical Company, The. (See Grether, Ernest F., assignor.)
Dow Chemical Company. (See Grether, E. F., and Belsley, assignors.)
Dow Chemical Company. (See Griswold, Thomas, jr., assignor.)
Dow Chemical Company, The. (See Hale, William J., assignor.)
Dow Chemical Company, The. (See Hale, W. J., and Britton, assignors.)
Dow Chemical Company, The. (See Hale, W. J., and Stoesser, assignors.)
Dow Chemical Company, The. (See Heath, Sheldon B., assignor.)
Dow Chemical Company, The. (See Hoy, John E., assignor.)
Dow Chemical Company, The. (See Hunter, Ralph M., assignor.)
Dow Chemical Company, The. (See Jones, Coulter W., assignor.)
Dow Chemical Company, The. (See Kenaga, Ivan A., assignor.)
Dow Chemical Company, The. (See Lord, Richard C., assignor.)
Dow Chemical Company, The. (See Martin, L. F., and Lux, assignors.)
Dow Chemical Company, The. (See Prutton, Carl F., assignor.)

Dow Chemical Company, The. (See Putnam, Mark E., assignor.)
Dow Chemical Company, The. (See Putnam, S. W., and Poffenberger, assignors.)
Dow Chemical Company, The. (See Smith, A. K., and Veazey, assignors.)
Dow Chemical Company, The. (See Strosacker, Charles J., assignor.)
Dow Chemical Company, The. (See Strosacker, C. J., Kendall, Kennedy, and Pelton, assignors.)
Dow Chemical Company, The. (See Ward, Louis E., assignor.)
Dow Chemical Company, The. (See White, A. C., and Clason, assignors.)
Dow Chemical Company, The. (See Zuckermandel, Edward C., assignor.)
Dow, Edwin A., Worcester, Mass. Valve construction. 1,818,050; Aug. 11.
Dow, Harry E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing machine. 1,838.812; Dec. 29.
Dow, Herbert H., and G. H. Cannon, Midland, Mich., assignors, by mesne assignments, to Air Preheater Corporation, New York, N. Y. Method of and apparatus for heat interchange. 1,823,033; Sept. 15.
Dow, Jones & Company. (See Vischer, Alfred, jr., assignor.)
Dow Patents Holding Corporation. (See Dow, Alexander, assignor.)
Dow, Richard F., assignor to The Whitney Manufacturing Company, Hartford, Conn. Machine for assembling chains. 1,835,111; Dec. 8.
Dow, Scott J., jr., Hinsdale, Ill. Differential speed power transmission device. 1,818,310; Aug. 11.
Dowd, Andrew D., Hoboken, N. J., Glen Cove, M. B. Kerr, Rosebank, Staten Island, and G. A. Locke, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. High speed submarine cable telegraph system. 1,823,354; Sept. 15.
Dowd, Archie J., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Coil and manufacturing coils. 1,815,245; July 21.
Dowd, Benjamin F., Long Beach, Calif. Feed water regulator. 1,826,058; Oct. 6.
Dowd, Edmund B., Chicago, Ill. Fabricated prop or shoring. 1,794,759; Mar. 3.
Dowd, Elmer W., Chicago, Ill. Wire broom or rake. 1,813,445; July 7.
Dowd, Wyllys E., jr., assignor to Foster Wheeler Corporation, New York, N. Y. Air preheater. 1,834,579; Dec. 1.
Dowell, Herbert E. (See Allen, J. A., and Dowell.)
Dowler, Ralph B., jr., Memphis, Tenn. Audion tube. 1,809,475; June 9.
Dowling, Clinton, Washington, D. C., assignor to Dowling's Golf Games, Inc. Toy. 1,800,285; Apr. 14.
Dowling, Francis J., New York, N. Y. Loading wheelbarrow. 1,804,403; May 12.
Dowling, Francis J., New York, N. Y. Wheeled carrier. 1,804,404; May 12.
Dowling, Jesse T., et al., trustees. (See Mas, George N.)
Dowling, Martin J., assignor to Atlantic Stamping Company, Rochester, N. Y. Strainer for milk, etc. 1,794,,596; Mar. 3.
Dowling, Philip H., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,788,152; Jan. 6.
Dowling, Philip H., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,793,213; Feb. 17.
Dowling, Philip H., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,808,712; June 2.
Dowling, Philip H., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,812.202; June 30.
Dowling, Philip H., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,835,209; Dec. 8.
Dowlings' Golf Games, Inc. (See Dowling, Clinton, assignor.)
Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnetic brake device. 1,790,202; Jan. 27.
Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Reservoir-leakage-preventing device. 1,793,597; Feb. 24.
Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnetic brake device. 1,801,908; Apr. 21.
Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Cooling device for automotive brakes. 1,805,655; May 19.
Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air spring for motor vehicles. 1,816,075; July 28.
Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake expansion tube. 1,816,076; July 28.
Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wildmerding, Pa. Variable load brakes. 1,824,039; Sept. 22.
Downes, John H. (See Hasley, William G., assignor.)
Downey, Clement L., Cincinnati, Ohio. Coin counting and assorting machine. 1,819,701; Aug. 18.
Downey, Edward A., Del Ray, Va., assignor to J. A. Massie, trustee, Washington, D. C. Connecter for ventilating racks or trays. 1,787,515; Jan. 6.
Downey, George A. (See Arcand, E. J., Downey, and Walker.)
Downhour, David W., Union Furnace, Ohio. Grain-door construction. 1,790,137; Jan. 27.
Downie, Robert R., Beaver Falls, Pa., assignor to Keystone Driller Company. Excavator scoop. 1,797,642; Mar. 24.
Downing, Edwin J., assignor to Gardner-Denver Company, Denver, Colo. Tool retainer. 1,800,377; Apr. 14.
Downing, Edwin J., assignor to Gardner-Denver Company, Denver, Colo. Slip rotation for rock drills. 1,821,794; Sept. 1.
Downing, Frederick B. (See Calcott, W. S., Downing, and Powers.)
Downingtown Manufacturing Company. (See Conley, Charles E., assignor.)
Downingtown Manufacturing Company. (See Kilberry, George D., assignor.)
Downington Manufacturing Company. (See Miller, G., and Standley, assignors.)
Downington Manufacturing Company. (See Street, Edward T., assignor.)
Downs, Austin H., assignor to Eclipse Air Brush Company, Inc., Newark, N. J. Paint spraying device. 1,802,141; Apr. 21.
Downs, Charles R., Cliffside, N. J. Temperature control in liquid phase. 1,790,369; Jan. 27.
Downs, Charles R., Cliffside, N. J., assignor to The Barrett Company. Temperature control in chemical reactions. 1,789,809; Jan. 20.
Downs, George F. (See Fisher, J. P., and Downs.)
Dowty, George H., Cheltenham, England. Shock-absorbing and springing mechanism with particular application to aircraft requirements. 1,791,484; Feb. 3.
Doyen, Marie, Manson, Iowa. Measuring attachment for receptacles. 1,798,073; Mar. 24.
Doyle, Alfred, Hamilton, Ontario, Canada. Hot air furnace. 1,811,616; June 23.
Doyle, Clarence V., New York, N. Y., assignor to R. J. Sherwood, San Francisco, Calif. Lock. 1,810,468; June 16.
Doyle, Edward J., assignor to Transformer Corporation of America, Chicago, Ill. Forming transformer core laminæ. 1,802,502; Apr. 28.
Doyle, Frederick W., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Contact welding machine. 1,794,760; Mar. 3.
Doyle, James E., and J. E. McWilliam, Worcester, Mass. Tree holder. 1,794,107; Feb. 24.
Doyle, Joseph B., Mount Vernon, N. Y., assignor to James L. Howard & Company, Hartford, Conn. Doorcheck. 1,827,143; Oct. 13.
Doyle, Luke. (See Anderson, Frank E., assignor.)
Doyon, Julius, jr., Berlin, N. H. Calipers. 1,830,827; Nov. 10.
Drachenberg, Harry, Cincinnati, Ohio. Coin drug dispenser cabinet. Des. 85,575; Nov. 17.
Drackett Chemical Company, The. (See Gangloff, Wilmer C., assignor.)
Drackett Chemical Company, The. (See Gangloff, W. C., and Conner, assignors.)
Drader, Joseph C., Detroit, Mich., assignor to Michigan Tool Company. Grinding fixture. 1,835,476; Dec. 8.
Draeger Freres. (See Draeger, Robert, assignor.)
Draeger, Lloyd H., assignor to Chain Belt Company, Milwaukee, Wis. Conveyer system. 1,814,026; July 14.
Draeger, Robert, assignor to Draeger Freres, Montrouge, France. Stitching machine for sets of sheets. 1,813,035; July 7.
Drag Eliminator Company. (See Aitken, Samuel, assignor.)
Dräger, Alexander B., deceased: E. Dräger, née Stange, executrix, assignor to H. O. Drager, Lubeck, Germany. Disengageable coupling for pipes or hoses. 1,788,282; Jan. 6.
Dräger, Alexander B., deceased; E. Dräger, executrix, assignor to H. O. Dräger, Lubeck, Germany. Cartridge for breathing apparatus. 1,802,941; Apr. 28.
Drager, Amil L., Beloit, Wis. Automobile tire chain. 1,818,794; Aug. 11.
Dräger, Elfriede, executrix. (See Drèger, Alexander B.)
Dräger, Elfriede, née Stange, executrix. (See Dräger, Alexander B.)
Dräger, Heinrich O. (See Dräger, Alexander B., assignor.)
Dräger, Otto H. (See Christensen, Alfred H. L., assignor.)
Drager, Otto H. (See Stampe, Gerhard K. E. H., assignor.)
Dräger, Otto H., Dr. (See Stelzner, Hermann, assignor.)
Dräger, Otto H., Lubeck, Germany. Oxygen breathing implement, particularly for aeronauts. 1,817,881; Aug. 4.
Drägerwerk. (See Schroeder, Hans, W. C., assignor.)
Dragon Fly Aero Corporation. (See Wardell, William, assignor.)
Draikin, Joseph, Chicago, Ill. Hosiery protector. 1,827,423; Oct. 13.

Drake, Alden M., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Control mechanism for internal grinding machines. 1,817,180; Aug. 4.
Drake, Alden M., assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Internal grinding machine. 1.832.104: Nov. 17.
Drake, Alden M., and R. D. Hubbell, assignors to The Heald Machine Company, Worcester, Mass. Fluid pressure controlling and reversing mechanism for grinding machines and the like. 1,832,365; Nov. 17.
Drake-Avery Company. (See Hinrich, Robert M., assignor.)
Drake, A. W. Manufacturing Company. (See Gomber, George W., assignor.)
Drake, A. W., Manufacturing Company. (See Ravert, William I., assignor.)
Drake, Charles R., Rochester, N. Y., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Intermittent operating mechanism for copyholders. 1,837,027; Dec. 15.
Drake, Claud, Richmond Heights, Mo. Connector for multipiece rails. 1,835,640; Dec. 8.
Drake, Clifford W. (See Magness, G. C., and Drake.)
Drake, Frederick H., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Volume control. 1,833,639; Nov. 24.
Drake, Frederick H., and W. D. Loughlin, Boonton, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical transformer. 1,829,740; Nov. 3.
Drake, Frederick H., and P. O. Farnham, Boonton, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical amplifier circuit. 1,833,638; Nov. 24.
Drake, Frederick H., and P. O. Farnham, assignors to Radio Frequency Laboratories, Inc., Boonton, N. J. Electrical amplifier circuit. 1,792,970; Feb. 17.
Drake, George, Linden, N. J. Engine piston. 1,819,702; Aug. 18.
Drake, Harcourt C., Hempstead, assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Follow-up system. 1,838,084; Dec. 29.
Drake, Herbert W., East Orange, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Call distributing system. 1,806,525; May 19.
Drake, Herbert W., East Orange, N. J., and W. B. Blanton, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Conception circuit for simplex printers. 1,804,327; May 5.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet-glass-drawing apparatus. 1,793,784; Feb. 24.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Car or table transfer means. 1,795,846; Mar. 10.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Car or table transfer means. 1,795,847; Mar. 10.
Drake, John L., assignor to Libbey-Owens Ford Glass Company, Toledo, Ohio. Sheet-glass apparatus. 1,796,836; Mar. 17.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass handling apparatus. 1,801,305; Apr. 21.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Transferring molten glass from tanks into pots. 1,801,306; Apr. 21.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet molding apparatus. 1,805,237; May 12.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for producing sheet glass. 1,810,908; June 23.
Drake John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass surfacing apparatus. 1,811,044; June 23.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for forming sheet or plate glass. 1,814,905; July 14.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Drawing sheet glass. 1,816,179; July 28.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Annealing leer. 1,818,201; Aug. 11.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing sheet glass. 1,818,202; Aug. 11.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for producing molten glass. 1,818,203; Aug. 11.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for forming sheet glass. 1,818,204; Aug. 11.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass drawing apparatus. 1,818,205; Aug. 11.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process for the production of plate glass blanks. 1,818,206; Aug. 11.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process of and apparatus for forming sheet glass. 1,818,207; Aug. 11.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for forming and annealing sheet glass. 1,818,208; Aug. 11.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing sheet glass. 1,818,209; Aug. 11.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. System for grinding and polishing glass sheets. 1,819,017; Aug. 18.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass rolling apparatus. 1,822,959; Sept. 15.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,828,832; Oct. 27.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass melting furnace. 1,828,833; Oct. 27.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Producing sheet glass. 1,828,834; Oct. 27.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Rolling sheet glass. 1,831,060; Nov. 10.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing sheet glass. 1,831,622; Nov. 10.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for forming sheet glass. 1,831,623; Nov. 10.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for forming sheet glass. 1,834,942; Dec. 8.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,836,363; Dec. 15.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass cutting apparatus. 1,836,365; Dec. 15.
Drake, John L., and E. A. Rosin, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Draw table and drive therefor. 1,793,783; Feb. 24.
Drake, John L., Toledo, and L. C. Mambourg, Lancaster, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing sheet glass. 1,816,180; July 28.
Drake, John L., and W. E. Nobbe, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing sheet glass. 1,828,835; Oct. 27.
Drake, John L., and F. Fraser, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass grinding and polishing apparatus. 1,836,364; Dec. 15.
Drake, Louis F., Barre, Vt. Stone-surfacing machine. 1,793,469; Feb. 24.
Drake Non-Clinkering Furnace Block Company. (See Baumgartner, Henry H., assignor.)
Drake, Ralph E., Jamaica, assignor, by mesne assignments, to Anaconda Sales Company, New York, N. Y. Building product and making the same. 1,794,449; Mar. 3.
Drake, Ralph E., Jamaica, assignor to Johns-Manville Corporation, New York, N. Y. Sheet fastening. 1,800,609; Apr. 14.
Drake, Raymond E., Brockton, Mass., assignor to Avon Sole Company, Avon, Mass. Combined sole and heel for boots, shoes, or similar articles. Des. 83,316; Feb. 17.
Drake, Rollin L., Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Filling and capping apparatus. 1,823,889; Sept. 22.
Drake, Rollin L., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Conveyer system. 1,833,417; Nov. 24.
Drake, Ronald I., assignor of one-half to P. J. Massey, Chicago, Ill. Printing press plate and making the same. 1,803,548; May 5.
Drake, Russell P., assignor to Barber-Colman Company, Rockford, Ill. Skein lacing machine. 1,821,545; Sept. 1.
Drake, Russell P., assignor to Barber-Colman Company, Rockford, Ill. Skein and method and machine for producing the same. 1,838,813; Dec. 29.
Drake, Warren C., and E. B. Priebe, Inwood, assignors to Furnace Engineering Company, Inc., New York, N. Y. Stoker furnace. 1,789,223; Jan. 13.
Drake, Wm. N., et al. (See Morgan, David C., assignor.)
Drakt, Frederick H., assignor to Radio Frequency Laboratories Incorporated, Boonton, N. J. Electrical circuit and transformer therefor. 1,791,236; Feb. 3.
Drane, Philip B., Wichita, Kans. Automatic vapor check valve. 1,791,862; Feb. 10.
Drapeau, Alexander J., Woodbridge, Conn. Safety catch for windows and the like. 1,812,288; June 30.
Draper, Arthur F., Detroit, Mich. Vehicle top. 1,789,581; Jan. 20.
Draper, Charles D. (See Campbell, A. R., and Draper.)
Draper, Charles T., Cleveland Heights, assignor to The Draper Manufacturing Company, Cleveland, Ohio. Removable closure for metallic containers. 1,838,136; Dec. 29.
Draper, Clare H., assignor to Draper Corporation, Hopedale, Mass. Intermittent thread cutting loom temple. 1,813,888; July 7.
Draper, Clare H., assignor to Draper Corporation, Hopedale, Mass. Positive let back mechanism for looms. 1,833,883; Nov. 24.

Draper, Clare H., assignor to Draper Corporation, Hopedale, Mass. Loom for weaving thick and thin striped fabrics. 1,833,884; Nov. 24.
Draper, Clifford F., Detroit, Mich. Door structure. 1,802,049; Apr. 21.
Draper Corporation. (See Benson, Arthur E., assignor.)
Draper Corporation. (See Brooks, John C., assignor.)
Draper Corporation. (See Brown, Carl D., assignor.)
Draper Corporation. (See Brown, Frederick K., assignor.)
Draper Corporation. (See Burdett, Horace, assignor.)
Draper Corporation. (See Burdett, Horace H., assignor.)
Draper Corporation. (See Davis, Harry A., assignor.)
Draper Corporation. (See Davis, Lloyd L., assignor.)
Draper Corporation. (See Dion, Frank X., assignor.)
Draper Corporation. (See Douglas, Frederic E., assignor.)
Draper Corporation. (See Draper, Clare H., assignor.)
Draper Corporation. (See Fuller, Arthur G., assignor.)
Draper Corporation. (See Goff, George R., assignor.)
Draper Corporation. (See Hannah, Alexander, assignor.)
Draper Corporation. (See Hollins, Dennis M., assignor.)
Draper Corporation. (See Jackson, Joseph B., assignor.)
Draper Corporation. (See Lindsjo, Verner, assignor.)
Draper Corporation. (See MacArthur, Elvin D., assignor.)
Draper Corporation. (See Metcalf, G. A., and Bruce, assignor.)
Draper Corporation. (See Miller, Joseph A., assignor.)
Draper Corporation. (See Nichols, Edward C., assignor.)
Draper Corporation. (See Noyes, Ira W., assignor.)
Draper Corporation. (See Robellard, Joseph, assignor.)
Draper Corporation. (See Roberts, Jessie J., assignor.)
Draper Corporation. (See Rogers, Leonard M., assignor.)
Draper Corporation. (See Seville, William, assignor.)
Draper Corporation. (See Seymour, Amos, assignor.)
Draper Corporation. (See Stafford, Alfred E., assignor.)
Draper Corporation. (See Stimpson, Wallace I., assignor.)
Draper Corporation. (See Stone, Melvin L., assignor.)
Draper Corporation. (See Swearington, Frank W., assignor.)
Draper Corporation. (See Tebo, William A., assignor.)
Draper Corporation. (See Thatcher, Harry W., assignor.)
Draper Corporation. (See Trevett, E. H., and Davis, assignors.)
Draper Corporation. (See West, Jack F., assignor.)
Draper Corporation. (See Wright, James C., assignor.)
Draper, Isaac S., Sullivan, Ind. Voting booth. 1,808,946; June 9.
Draper, John B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing system. 1,816,570; July 28.
Draper Manufacturing Company, The. (See Draper, Charles T., assignor.)
Draper, Merritt S., Upland, Ind. Extension attachment for two row corn planters. 1,821,009; Sept. 1.
Draper, Wallace S. (See Cademartori, J. S., and Draper.)
Dravo Contracting Company. (See Miller, James S., assignor.)
Draw-Trim Corporation. (See Bookheim, Sol, assignor.)
Drawz, Roy E., Minot, N. Dak. Coal burning stoker. 1,833,831; Nov. 24.
Drayage Service Corporation. (See Scott, William P., assignor.)
Drayton, Grace G., New York, N. Y. Doll toy. Des. 83,897; Apr. 14.
Drbul, Mikulas, Chicago, Ill. Safety device for aeroplanes. 1,804,156; May 5.
Dreaper, William P., Hampstead Heath, London, England. Spinning of artificial silk and the like. 1,790,979; Feb. 3.
Drees, Harry, Indianapolis, Ind. Pneumatic Y-branch test plug. 1,795,848; Mar. 10.
Dreffein, Henry A., Chicago, Ill. Heating billets or the like. 1,803,007; Apr. 28.
Dreher, Myron A., assignor to Morgan and Wright, Detroit, Mich. Tire. Des. 85,034; Sept. 8.
Dreher, Otto. (See Meyer, G. J., and Dreher.)
Dreher, Otto. (See Meyer, G. J., Dreher, and Campo.)
Dreher, Stanley C., Cincinnati, assignor to The Newman Manufacturing Company, Norwood, Ohio. Window construction. 1,789,970; Jan. 27.
Dreher, Stanley C., Cincinnati, assignor to The Newman Manufacturing Company, Norwood, Ohio. Casement window. 1,791,808; Feb. 10.
Dreibelbis, Lyle N., Los Angeles, Calif. Soldering torch. 1,798,195; Mar. 31.
Dreier, Dominick, assignor of twenty-five per cent to E. E. Grabow, Livingston, Mont. Power water wheel. 1,830,985; Nov. 10.
Dreisbach, Charles A., New Haven, Conn. Adjustable reel for strip material, etc. 1,820,693; Aug. 25.
Dreisbach, Charles A., New Haven, Conn., assignor to Standard Radial Blast Corporation, New York, N. Y. Feed mechanism for strip, rod, wire, and the like material. 1,798,316; Mar. 31.
Dreisbuss, Harry C., and G. S. Chiles, assignors to Scullin Steel Co., St. Louis, Mo. Truck construction. 1,810,949; June 23.
Dreiske, William D., Oak Park, Ill. Automatic regulator. 1,788,619; Jan. 13.
Dreiske, William D., Oak Park, Ill. Automatic regulator. 1,798,932; Mar. 31.
Drem Products Corporation. (See Mayer, Emil, assignor.)
Dremel, Albert J., Racine, Wis. Electric hair clipper. 1,810,469; June 16.
Drennan, Joseph F. (See Lang, G. J., Drennan, and Schlesinger.)
Drenning, Percy R. (See Kadel, B. W., and Drenning.)
Drenning, Percy R., assignor, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Truck bolster with spring supported side bearings. 1,821,296; Sept. 1.
Drennon, William M., Anaheim, assignor of one-half to E. Brenner, Fullerton, one-fourth to Wm. J. M. Heinz, and one-fourth to E. F. Gandahl, Anaheim, Calif. Foot controlled hammer. 1,801,806; Apr. 21.
Drenthe, John, Chicago, Ill. Mat or similar article. Des. 84,573; July 7.
Drescher, Hugh A. E. (See Woodcock, W. G., Drescher, Beckett, and Thomas.)
Drescher, Hugh A. E., J. E. G. Harris, B. Wylam, and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Manufacture of derivatives of vat dyestuffs. 1,810,758; June 16.
Drescher, Hugh A. E., W. Smith, and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Separation of sustituted alpha- and beta-amino-anthraquinones. 1,812,260; June 30.
Drescher, Hugh A. E., W. Smith, and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Production of anthraquinone derivatives. 1,818,311; Aug. 11.
Drescher, William H., Richmond Hill, N. Y. Stair protractor. 1,834,389; Dec. 1.
Dresher, Paul F. (See Lacey, Paul H., assignor.)
Dreshfield, Arthur C., assignor to Paper Maker's Chemical Corporation, Kalamazoo, Mich. Making paper. 1,836,455; Dec. 15.
Drespel, Harry, Brooklyn, N. Y. Painless abrasive stone for grinding teeth. 1,830,053; Nov. 3.
Dressel Railway Lamp & Signal Company. (See Eichner, Laurits C., assignor.)
Dresser, Clarence J. (See Coates, C. B., and Dresser.)
Dresser, Clarence J. (See Meunier, L. F., and Dresser.)
Dresser, George H. (See Boenig, F., and Dresser.)
Dresser, S. R., Manufacturing Company. (See Clark, James, assignor.)
Dresser, S. R., Manufacturing Company. (See Clark, J., and Walborn, assignors.)
Dressler, Henry, Urbana, Ohio. Combined can lid rack and sterilizer. 1,837,954; Dec. 22.
Dressler, Karl, Gross Schonau, assignor to I. M. Lerch, Leipzig, Germany. Securing bundles of bristles in the bodies of brushes. 1,825,145; Sept. 29.
Dressler, Philip d'H., Cleveland, Ohio, assignor, by mesne assignments, to Swindell-Dressler Corporation, Pittsburgh, Pa. Preparing fuel. 1,812,432; June 30.
Dressler, Philip d'H., Cleveland, Ohio, assignor, by mesne assignments, to Swindell-Dressler Corporation, Pittsburgh, Pa. Kiln heating. 1,828,492; Oct. 20.
Drevet, Claude, Paris, France. Motor. 1,796,008; Mar. 10.
Drew, Ben., Ivor, Va. Fertilizer distributor. 1,812,739; June 30.
Drew, Clayton L., San Francisco, Calif. Developing, fixing and washing tank. 1,807,901; June 2.
Drew, George A., Des Moines, Iowa, assignor to American Telephone and Telegraph Company. Ticket distributing system. 1,803,466; May 5.
Drew, Harold, Lansing, assignor to General Motors Corporation, Detroit, Mich. Overgear shift mechanism. 1,807,779; June 2.
Drew, Harold, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich. Overgear transmission. 1,824,341; Sept. 29.
Drew, John E., Jersey City, N. J., assignor to Wade & Butcher Corporation. Razor stropper. 1,805,691; May 19.
Drew, Mitchell N., Quincy, Fla. Match box. 1,828,962; Oct. 27.
Drew, Perley R., Cambridge, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Shoe tap. Des. 83,394; Feb. 17.
Drew, Richard G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Preparing adhesive tape. 1,814,132; July 14.
Drew, William F., Los Angeles, Calif. Garbage or refuse incinerator. 1,835,147; Dec. 8.
Drew, William F., and J. W. Martinet, Los Angeles, Calif. Amusement device. 1,829,266; Oct. 27.
Drewes, George, Jersey City, N. J., assignor of one-half to Adolph Berman, New York, N. Y. Sliding and swinging window. 1,812,325; June 30.
Drews, Herbert, assignor to W. U. Koons Furnace Company, Danville, Ill. Grate-shaking device. 1,797,078; Mar. 17.
Drews, Irvine C., and C. E. Boehm, Marshfield, Wis. Chicken feeder. 1,824,262; Sept. 22.
Drewsen, Viggo, Larchmont, assignor, by mesne assignments, to Bradley-McKeefe Corporation, New York, N. Y. Monosulphite wood treating process and resulting fiber and paper. 1,830,315; Nov. 3.
Drexelius, Julius K. (See Langley, Ralph H., and Drexelius.)
Dreyer, Frank B., Seattle, Wash. Welder's tongs. 1,812,142; June 30.
Dreyer, Hans, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Air brake mechanism for pilger mill feed gears. 1,833,990; Dec. 1.
Dreyfus, Camille. (See Miles, G. W., and Dreyfus.)

Dreyfus, Camille. (See Rivat, G., and Dreyfus.)
Dreyfus, Camille, New York, N. Y. Plaited fabric and producing the same. 1,793,915; Feb. 24.
Dreyfus, Camille, New York, N. Y. Manufacture of hosiery. 1,802,634; Apr. 28.
Dreyfus, Camille, New York, N. Y. Ornamental fabric containing derivatives of cellulose and producing the same. 1,804,529; May 12.
Dreyfus, Camille, New York, N. Y. Crepe fabric and making the same. 1,813,530; July 7.
Dreyfus, Camille, New York, N. Y. Pile fabric. 1,818,540; Aug. 11.
Dreyfus, Camille, New York, N. Y. Stiffening fabric and making the same. 1,828,397; Oct. 20.
Dreyfus, Camille, New York, N. Y. Textile material. 1,829,983; Nov. 3.
Dreyfus, Camille, New York, N. Y. Derivative of cellulose composition of low inflammability. 1,838,078; Dec. 22.
Dreyfus, Camille, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Fiber, fabric, and article containing organic derivatives of cellulose. 1,798,836; Mar. 31.
Dreyfus, Camille, New York, N. Y., and H. Platt, Alleghany County, Md., assignors to Celanese Corporation of America. Cellulose fibers, fabrics, and articles. 1,806,048; May 19.
Dreyfus, Camille, and W. R. Blume, New York, N. Y., assignors to Celanese Corporation of America. Textile material containing organic esters of cellulose and method of preparing the same. 1,818,466; Aug. 11.
Dreyfus, Camille, New York, N. Y., and G. Schneider, East Orange, N. J., assignors to Celanese Corporation of America. Cellulose propionate and making same. 1,824,877; Sept. 29.
Dreyfus, Camille, New York, N. Y., and W. Whitehead and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Printed fabric and making the same. 1,825,342; Sept. 29.
Dreyfus, Camille, New York, N. Y., and G. W. Miles, Boston, Mass., assignors to Celanese Corporation of America. Preparing impregnating paper products. 1,829,585; Oct. 27.
Dreyfus, Camille, and R. G. Dort, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of textile materials containing carbonizable fibers and product thereof. 1,834,339; Dec. 1.
Dreyfus, Camille, and R. G. Dort, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of textile materials containing carbonizable fibers and product thereof. 1,834,388; Dec. 1.
Dreyfus, Camille, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Treating textile material and product thereof. 1,836,527; Dec. 15.
Dreyfus, Camille, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Fireproof fabric and making the same. 1,837,150; Dec. 15.
Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Fabric and making the same. 1,838,663; Dec. 29.
Dreyfus, Henry, London, England. Treatment of cellulose derivatives or products made therewith. 1,805,467; May 19.
Dreyfus, Henry, London, England. Treatment of cellulose derivatives or products made therewith. 1,805,468; May 19.
Dreyfus, Henry, London, England. Manufacture of anhydrides of aliphatic acids. 1,817,614; Aug. 4.
Dreyfus, Henry, London, England. Treatment of yarns, fabrics, films, and the like. 1,821,464; Sept. 1.
Dreyfus, Henry, London, England. Manufacture of cellulose acetate. 1,829,822; Nov. 3.
Dreyfus, Henry, London, England. Treatment of materials consisting substantially of cellulose and the production of cellulose esters therefrom. 1,831,101; Nov. 10.
Dreyfus, Henry, London, England. Production of cellulose esters. 1,831,102; Nov. 10.
Dreyfus, Henry, London, E. Kinsella, J. Bower, and W. I. Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Process and apparatus for the production of artificial filaments or threads. 1,814,468; July 14.
Dreyhaupt, Rudolf, Berlin, Germany. Method and device for turning out the rings of roller bearings and similar groundrings. 1,821,743; Sept. 1.
Driedger, John, Vonda, Saskatchewan, Canada. Stooking machine. 1,815,053; July 21.
Driemeyer, George F., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Electric motor truck. 1,827,975; Oct. 20.
Driess, Oscar M., assignor of one-half to E. L. Hines, Louisville, Ky. Transfer slip. 1,800,136; Apr. 7.
Driest, Charles, Marlboro, N. J. Fuse and switch box. 1,829,214; Oct. 27.
Driest, George A. (See Barnes, H. C., and Driest.)
Driftmeyer, Hugh W., Boston, Mass. Time controlled switch. 1,824,040; Sept. 22.
Driggs, Frank H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Producing tantalum and other rare refractory metals by electrolysis of fused compounds. 1,815,054; July 21.
Driggs, Frank H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Preparation of metal hydrides. 1,816,830; Aug. 4.
Driggs, Frank H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Refractory insulator for electron discharge devices. 1,826,510; Oct. 6.
Driggs, Frank H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Preparation of metal hydrides. 1,835,024; Dec. 8.
Driggs, Frank H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Electrode material. 1,835,026; Dec. 8.
Driggs, Frank H., Bloomfield, and J. W. Marden, East Orange, N. J., assignor to Westinghouse Lamp Company. Preparing rare refractory metals. 1,821,176; Sept. 1.
Driggs, Frank H., Bloomfield, and W. C. Lilliendahl, Montclair, N. J., assignors to Westinghouse Lamp Company. Preparing rare refractory metals by electrolysis. 1,835,025; Dec. 8.
Driggs, Louis L., jr., New Rochelle, and Henry B. Faber, New York, N. Y. Photographic flash light device. 1,808,640; June 2.
Driggs, Louis L., jr., New Rochelle, and H. B. Faber, New York, N. Y. Ammunition for signal pistols. 1,823,390; Sept. 15.
Dri-Kold Manufacturing Company. (See Sutton, Ernest S., assignor.)
Drill, Charles, St. Louis, Mo. Window frame. 1,798,405; Mar. 31.
Drill, Daniel C. (See Mottweiler, O. F., and Drill.)
Drillette, James S., Louisville, Ky., assignor to Louisville Frog, Switch & Signal Company. Reflex structure for switch stands. 1,837,184; Dec. 15.
Drilling and Exploration Company. (See Brantly, John E., assignor.)
Drinker, Philip, and L. A. Shaw, Boston, Mass., assignors to The Consolidated Gas Company, New York, N. Y. Respiration apparatus. 1,834,580; Dec. 1.
Driscoll, Arthur, Tucson, Ariz. Cooling, heating, ventilating, and humidifying system. 1,821,297; Sept. 1.
Driscoll, James, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Friction element and making the same. 1,812,326; June 30.
Driscoll, Thomas J., Columbus, Ohio. Record keeping appliance. 1,801,909; Apr. 21.
Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Tool slide or reaming attachment. 1,816,571; July 28.
Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Chuck operating mechanism. 1,824,878; Sept. 29.
Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Mechanical movement. 1,825,056; Sept. 29.
Drissner, Alfred E., Cleveland, Ohio, and C. Q. Garey, Windsor, Vt., assignors to The National Acme Company, Cleveland, Ohio. Indexing mechanism for automatic multiple-spindle screw machines. 1,788,422; Jan. 13.
Drissner, Alfred E., Cleveland, Ohio, and C. Q. Garey, Windsor, Vt., assignors to The National Acme Company, Cleveland, Ohio. Indexing mechanism for automatic multiple-spindle screw machines. 1,788,423; Jan. 13.
Dri-Steam Valve Corporation. (See Pascale, Pasquale, assignor.)
Driver-Harris Company. (See Sammon, Joseph, assignor.)
Driver, Wilbur B., East Orange, and S. R. Keith, Montclair, assignors to Gilby Wire Company, Newark, N. J. Electrical resistance alloy. 1,803,467; May 5.
Driver, Wilbur B., East Orange, and S. R. Keith, Montclair, assignors to Gilby Wire Company, Newark, N. J. Electrical resistance alloy. 1,803,468; May 5.
Drkal, Bohumil, Buenos Aires, Argentina. Clutch for motor cars. 1,805,081; May 12.
Drobile, Albert W., Cynwyd, Pa. Pile fabrics and making the same. 1,788,989; Jan. 13.
Droddy, Harrison, assignor of one-half to J. Roach, El Dorado, Ark. Device for removing and installing springs. 1,803,750; May 5.
Droin, Charles, Molay, near Annay sur Serein, France. Apparatus for separating impurities from grain. 1,793,844; Feb. 24.
Droitcour, Michael A., Providence, R. I., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Bed-motion for printing-presses. 1,830,352; Nov. 3.
Droll Patents Corporation. (See Olson, Alex H., assignor.)
Dron, Douglas W., Belfast, Ireland. Preparation of vegetable fibers. 1,805,166; May 12.
Dropulich, Joseph, Houston, Pa. Check holder for mine dump cars. 1,825,057; Sept. 29.
Drouilly, Eugène, assignor to Société Anonyme Tréfileries & Laminoirs du Havre, Anciens Etablissements Lazare Weiller, Société Coopérative de Rugles et la Canalisation électrique réunis, Paris, France. Manufacture of metallic powders. 1,799,157; Apr. 7.
Drouin, Joseph A., Willimantic, Conn. Railroad gate. 1,812,866; July 7.
Droutman, Abraham, Brooklyn, N. Y. Hat box. 1,790,005; Jan. 27.

Drowns, Irvin, assignor to The Timken Roller Bearing Company, Canton, Ohio. Boring tool holder. 1,820,056; Aug. 25.
Droz, Jules W., jr., Salt Lake City, Utah. Door retainer. 1,808,641; June 2.
Druart, Henri, Lomme, France. Rotary machine for continuously making compressed slabs or floor tiles with colored designs. 1,815,668; July 21.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Cracking oils. 1,839,017; Dec. 29.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for converting oil. 1,839,018; Dec. 29.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Converting petroleum oil. 1,839,019; Dec. 29.
Dubbs, Carbon P., Wilmette, assignor to The Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,839,020; Dec. 29.
Druckenmiller, Joseph E., Edge Hill, Pa. Bath room equipment. 1,815,291; July 21.
Drucker, George A., assignor to Burke & James, Inc., Chicago, Ill. Flash lamp. 1,814,299; July 14.
Drucker, Samuel B., Brooklyn, N. Y. Making mayonnaise. 1,820,909; Sept. 1.
Drucker, Samuel B., Brooklyn, N. Y. Apparatus for making emulsions. 1,822,275; Sept. 8.
Drucker, William J., Chicago, Ill. Cutter. 1,818,467; Aug. 11.
Drudi, Silvio, Allentown, Pa. Railroad safety device. 1,800,783; Apr. 14.
Drumm, Elmer E., assignor to Aluminum Goods Mfg. Co., Manitowoc, Wis. Detachable cooking utensil handle. Re18,069; May 19.
Drummond, Arthur, Guildford, England. Tailstock for lathes and like machinery. 1,834,831; Dec. 1.
Drummond, Edwin D., Jacksonville, Fla. Ventilated door. 1,821,744; Sept. 1.
Drummond, Fay, Kansas City, Mo. Liquid vending device. 1,837,764; Dec. 22.
Drummond, Robert, Grangemouth, Scotland. Appliance for depositing and/or picking up packages. 1,830,986; Nov. 10.
Drüppel, Cläre, Bottrop, assignor to Bernhard Quendt, Essen-Ruhr, Germany. Guide for the current supply cable of electric irons. 1,812,518; June 30.
Drury, Thomas W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system for farm lighting plants. 1,805,207; May 12.
Drury, William. (See Cooper, Herbert F., assignor.)
Druyun, Wolf, Los Angeles, Calif. Convertible chair. 1,836,315; Dec. 15.
Dryden Rubber Company. (See Beynon, Rees, assignor.)
Dryer, Edwin H., assignor to W. A. McKee, San Diego, Calif. Carton opener. 1,836,228; Dec. 15.
Dryice Equipment Corporation. (See Cusack, George C., assignor.)
Dryice Equipment Corporation. (See Howell, Arthur B., assignor.)
Dryice Equipment Corporation. (See Jones, Charles L., assignor.)
Dryice Equipment Corporation. (See Jones, C. L., and McIlvain, assignors.)
Dryice Equipment Corporation. (See Josephson, W. S., assignor, and Slate.)
Dryice Equipment Corporation. (See Killeffer, David H., assignor.)
Dryice Equipment Corporation. (See Martin, James W., jr., assignor.)
Dryice Equipment Corporation of America. (See Jones, C. L., and Small, assignors.)
Drying Systems, Inc. (See Collinet, John J., assignor.)
"Dry-Kold" Refrigerator Co., The. (See Whitcher, William C., assignor.)
Dryon, Paul, Auvelais, Belgium. Apparatus for manipulating plate glass and similar articles. 1,792,576; Feb. 17.
Dry Quenching Equipment Corporation. (See Moetteli, Arnold, assignor.)
Drysdale & Company. (See Drysdale, John W. W., assignor.)
Drysdale and Company. (See Young, John, assignor.)
Drysdale, Harold G., Brooklyn, N. Y. Guard for circular saws. 1,797,907; Mar. 24.
Drysdale, John W. W., Yoker, Glasgow, assignor to Drysdale & Company, Limited, Glasgow, Scotland. Lubricating system. 1,807,515; May 26.
Dry Steam Appliance Co. Inc. (See Gott, S. A., and Dyer, assignors.)
Dry-Zero Corporation. (See Lindsay, H. B., and Clements, assignor.)
Dual Aircraft Motors Inc. (See Van Bezel, Frank A., assignor.)
Dual Motors, Ltd. (See Boitel, Achille, assignor.)
Dual Motors Ltd. (See Knecht, Emil, assignor.)
Dubassoff, Dmitri T., assignor to R. H. Macy & Co., Inc., New York, N. Y. Playing card. Des. 83,249; Feb. 10.
Dubbert, Herman F., assignor to American Gypsum Company, Port Clinton, Ohio. Apparatus for grinding and separating minerals. 1,822,647; Sept. 8.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Purification of hydrocarbon oils. 1,787,570; Jan. 6.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon-oil conversion. 1,799,218; Apr. 7.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for producing lower-boiling-point hydrocarbons. 1,799,413; Apr. 7.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Converting hydrocarbon oils. 1,803,962; May 5.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for fractionation of hydrocarbons. 1,804,553; May 12.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Method and apparatus for fractionation of hydrocarbons. 1,804,554; May 12.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for treating petroleum. 1,806,282; May 19.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Converting petroleum oil. 1,806,283; May 19.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Process of and apparatus for converting heavy into lighter hydro-carbons. 1,806,284; May 19.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Producing low boiling point hydrocarbons. 1,806,616; May 26.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for producing low boiling point hydrocarbon oils. 1,811,308; June 23.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for producing low boiling point hydrocarbon oils. 1,811,309; June 23.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Treating petroleum oil. 1,811,617; June 23.
Dubbs, Carbon P., assignor to Universal Oil Products Company, Chicago, Ill. Converting hydrocarbons. 1,820,057; Aug. 25.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating oils. 1,820,125; Aug. 25.
Dubbs, Carbon P., Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating hydrocarbons. 1,827,076; Oct. 13.
Dubbs, Carbon P., Willmette, assignor to Universal Oil Products Company, Chicago, Ill. Treating oils. 1,828,398; Oct. 20.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Converting hydrocarbons. 1,829,637; Oct. 27.
Dube, Joseph E. (See Luce, William D., assignor.)
Dubilier Condenser Corporation. (See Capicotto, James V., assignor.)
Dubilier Condenser Corporation. (See Dubilier, William, assignor.)
Dubilier Condenser Corporation. (See Fried, Joseph A., assignor.)
Dubilier Condenser Corporation. (See Houck, Harry W., assignor.)
Dubilier Condenser Corporation. (See Nyman, Alexander, assignor.)
Dubilier Condenser Corporation. (See Ungar, Harry, assignor.)
Dubilier Condenser Corporation. (See Vawter, Charles E., assignor.)
Dubilier, William, New Rochelle, N. Y. Circuit breaker. 1,838,664; Dec. 29.
Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Indicating device for high frequency currents. 1,802,077; Apr. 21.
Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,816,640; July 28.
Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,816,641; July 28.
Dubilier, William, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,821,055; Sept. 1.
Dubilier, William, New Rochelle, N. Y., assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,824,805; Sept. 29.
Dubilier, William, New Rochelle, N. Y., assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,824,806; Sept. 29.
Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Dimming lamps. 1,830,531; Nov. 3.
Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,833,392; Nov. 24.
Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,836,707; Dec. 15.

Dubilier, William, New York, N. Y., assignor to Dubilier Condenser Corporation. Electrical condenser. 1,829,891; Nov. 3.
Dublin, Edward B. (See Girardi, Frank, assignor.)
Du Bois, Alexander D., Minneapolis, Minn. Measuring and recording apparent power. 1,811,541; June 23.
Du Bois, Henry C., Stratford, Conn., assignor to American Chain Company, Inc. Chain swaging and feeding device. 1,790,464; Jan. 27.
Du Bois, Joseph M., Bellaire, Ohio. Handled tray or similar article. Des. 84,405; June 16.
Dubois, Raymond. (See Gautier, G., Le Bozec, and Dubois.)
Dubois, Robert, Dreux, France. Replaceable resistance. 1,825,585; Sept. 29.
Du Boistesselin, Henri, Rouen, assignor of one-half to M. Hurel, Aunay s/Crecy, Eure & Loir, France. Obtaining a product rich in cellulose and useful by-products from straw. 1,813,531; July 7.
Dubord, Joseph A., New Bedford, Mass. Power washing machine. 1,793,845; Feb. 24.
Dubuque, Charles, Jersey City, N. J., assignor to Dubuque Safety Pulley Corp. Safety pulley construction. 1,787,516; Jan. 6.
Dubuque Safety Pulley Corp. (See Dubuque, Charles, assignor.)
Duby, John F., Boston, Mass. Vehicle stabilizer. 1,800,442; Apr. 14.
Ducart, Guillaume, Paris, France. Closing device for gripping a strand of hair in heating tubes for heating strands of hair. 1,823,391; Sept. 15.
Ducasse, Maurice, San Francisco, Calif. Extractor. 1,819,322; Aug. 18.
Ducey, Alfred M., assignor to Kadow Foundation, Inc., Toledo, Ohio. Sign. 1,822,084; Sept. 8.
Ducey, John K., Chicago, Ill. Game board or article of analogous nature. Des. 85,328; Oct. 13.
Duchesne, Ernest, Schnectady, N. Y., assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Stay bolt tap. 1,817,133; Aug. 4.
Duchosal, Pierre, Pregny-Village, assignor of one-half to R. Luthi, Geneva, Switzerland. Apparatus for recording electric currents produced by living organisms. 1,829,267; Oct. 27.
Duckett, Frank A. (See Schwarz, Carl, assignor.)
Duckman, Arthur M., London, England. Tunnel kiln. 1,814,906; July 14.
Duckwitz, Walter F., et al. (See Barr, Roy L., assignor.)
Duckworth, Theophius O., Salt Lake City, Utah. Power pump rod lift. 1,803,426; May 5.
Duckworth, Theophius O., Salt Lake City, Utah. Power pump rod lift. 1,838,373; Dec. 29.
Duclos, Joseph W., Brooklyn, N. Y. Display rack. 1,791,616; Feb. 10.
Ducroux, Louis G., Cachan, assignor to D. Belmonte, Paris, France. Steam valve for cooking containers or boilers. 1,823,595; Sept. 15.
Ducroux, Rene, St.-Nazaire, France. Ship's scuttle. 1,823,790; Sept. 15.
Dudgeon, Hector M. (See Rowland, T. C. E., and Dudgeon.)
Dudley, Andrew T., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Emergency relief with remote control. 1,811,351; June 23.
Dudley, Edward F., Oak Park, assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Printing-press-control mechanism. 1,790,465; Jan. 27.
Dudley, Edward F., Oak Park, assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Inking mechanism. 1,798,147; Mar. 31.
Dudley, Edward F., Oak Park, assignor to The Miehle Printing Press & Manufacturing Co., Chicago, Ill. Inking mechanism. 1,802,596; Apr. 28.
Dudley, Edward F., Oak Park, assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Delivery mechanism. 1,811,618; June 23.
Dudley, Mrs. Elaine A. (See Isaacs, Lida S., assignor.)
Dudley, Homer W., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transoceanic cable circuit. 1,830,226; Nov. 3.
Dudley, Homer W., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical communication system. 1,832,366; Nov. 17.
Dudley, Homer W., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave signaling system. 1,836,841; Dec. 15.
Dudley, John B., Detroit, Mich. Liquid heater. 1,833,562; Nov. 24.
Dudley Lock Corporation. (See Full, George D., assignor.)
Dudley Lock Corporation. (See Hope, Samuel N., assignor.)
Dudley Lock Corporation. (See Hope, S. N., and Neitz.)
Dudley Lock Corporation. (See Winning, Robert K., assignor.)
Dudley Research Corporation. (See Levy, Dudley D., assignor.)
Dudley, Walter, Rawtenstall, England. Wind-screen wiper. 1,794,108; Feb. 24.
Dudycha, Harold E., South St. Paul, Minn., assignor to Swift & Company, Chicago, Ill. Rendering tank. 1,803,604; May 5.
Duebelbeis, George, Kirkwood, Mo. Check book cover. 1,818,210; Aug. 11.
Duecker, Werner W. (See Esmond, L. B., and Duecker.)
Duensing, Henry J. H., Odell, Nebr. Combined elevator and saw. 1,809,193; June 9.
Duer, Lee W., assignor to Elgin Manufacturing Company. Measuring device for filling machines. 1,819,361; Aug. 18.
Duer, Victor, and O. S. Hassing, Copenhagen, Denmark; said Hassing assignor to said Duer. Regulating device for engines. 1,828,650; Oct. 20.
Duering, George G., Fort Bliss, Tex. Airship. 1,808,132; June 2.
Duerler, G. A., Manufacturing Company. (See Gebhardt, William, assignor.)
Duerr, Charles, Brooklyn, assignor to S. Bruner, Far Rockaway, N. Y. Strap for wrist watches. 1,796,090; Mar. 10.
Duerr, Felix. (See Andrussow, L., and Duerr.)
Duerr, Winslow A., Breckenridge, Tex., assignor to Cabot Co., Boston, Mass. Apparatus for the compression of packaged substances. 1,822,923; Sept. 15.
Dufaux, Armand, Levallois, France. Adjustable shock absorber. 1,813,532; July 7.
Dufay, Louis, Versailles, France, assignor, by mesne assignments, to Old Jewry Trust Ltd., London, England. Obtainment and multiplication of color photographic proofs and products relating thereto. 1,792,418; Feb. 10.
Dufay, Louis, Versailles, France, assignor to Harold Wade, London, England. Color photography. 1,805,361; May 12.
Duff, Ewen C., assignor to Kops Bros. Inc., New York, N. Y. Apparel garment. 1,805,133; May 12.
Duff, Ewen C., assignor to Kops Bros. Inc., New York, N. Y. Apparel garment. 1,813,389; July 7.
Duff-Norton Manufacturing Company, The. (See Schwerin, Frank H., assignor.)
Duff Patents Company. (See Treat, Francis H., assignor.)
Duff, Ralph A., Nebraska City, Nebr. Attachment for internal combustion engines. 1,821,745; Sept. 1.
Duff, Robert P., Dundee, Angus, Scotland. Device for delivering squares or otherwise shaped pieces of cloth or other sheet material. 1,825,782; Oct. 6.
Duffee, Paul Y., Springfield, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Return header. 1,826,999; Oct. 13.
Duffendack, Ora S. (See Schaefer, F., and Duffendack.)
Duffey, Chester B., and J. Z. Wade, assignors, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Eviscerating and inspection pan. 1,837,535; Dec. 22.
Dufficy, William J., Denver, Colo. Attaching means for rolled screens. 1,803,101; Apr. 28.
Duffie, Mary E., Boston, Mass. Garment hanger. 1,788,049; Jan. 6.
Duffield, Frederick L., Kingsway, London, England. Reduction of ores of metals capable of volatilization. 1,796,562; Mar. 17.
Duffield, Frederick L., London, England. Reduction of ores. 1,796,563; Mar. 17.
Duffin, John V., Chicago, Ill. Container for paper in rolls. 1,827,000; Oct. 13.
Duffing, Georg, Hamburg, Germany. Oil pump. 1,835,851; Dec. 8.
Dufford, Lawrence O., Harrisonburg, Va., assignor to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Prerinse deflector. 1,825,718; Oct. 6.
Duffy, Charles H., Miami, Fla. Radio loud speaker. Re18,281; Dec. 8.
Duffy, Charles H., Miami, Fla. Sound amplifier. 1,788,385; Jan. 13.
Duffy, Charles H., Miami, Fla. Auto wheel and tire lock. 1,804,678; May 12.
Duffy, Charles H., Miami, Fla. Shield attachment for binoculars. 1,808,642; June 2.
Duffy, Charles H., Miami, Fla. Radio loud speaker. 1,812,867; July 7.
Duffy, Charles H., Miami, Fla. Radio loud speaker and the like. 1,818,987; Aug. 18.
Duffy, Charles H., Miami, Fla. Radio loud speaker. 1,826,751; Oct. 13.
Duffy, Charles H., Miami, Fla. Radio loud speaker. 1,831,484; Nov. 10.
Duffy, George E., and F. T. Casper, assignors to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 1,824,128; Sept. 22.
Duffy, James F., assignor to Duffy Manufacturing Company, Holland, Mich. Hood corner protector. 1,823,647; Sept. 15.
Duffy, John M., Ventnor, N. J. Furnace appliance. 1,822,517; Sept. 8.
Duffy Manufacturing Company. (See Duffy, James F., assignor.)
Duffy, Michael J., Brooklyn, N. Y. Safety razor and hair cutter. 1,822,766; Sept. 8.
Du Fold Brush Manufacturing Co. (See Orkin, Leopold L., assignor.)
Dufour, Germaine, assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Receptacle. 1,814,671; July 14.
Dufour, Léon, Versoix, near Geneva, Switzerland. Tilling machine. 1,819,950; Aug. 18.
Dufour, René, Paris, France. Electric furnace. 1,805,469; May 19.

Du Frane, Alexander G., and J. L. Du Frane, Oakland, Calif. Hydraulic press. 1,803,845; May 5.
Du Frane, John L. (See Du Frane, Alexander G. and J. L.)
Duftschmid, Franz. (See Schlecht, L., Schubardt, and Duftschmid.)
Dugan, Edd, Wichita Falls, Tex. Multiple control valve. 1,814,907; July 14.
Dugan, Joseph, Los Angeles, Calif. Synchronous bomb sight. 1,800,931; Apr. 14.
Dugan, Thomas, assignor of one-half to R. B. Davis, Wichita, Kans. Airplane. 1,812,143; June 30.
Dugan, Thomas, Denver, Colo., assignor of one-half to R. B. Davis, Wichita, Kans. Thrashing and separating device. 1,826,752; Oct. 13.
Dugan, Thomas, Denver, Colo, assignor of three-fourths to F. J. Anthony and J. L. Tilden and one-eighth to R. B. Davis, Wichita, Kans. Placer mining machine. 1,836,366; Dec. 15.
Dugan, Thomas J., Lakewood, Ohio. Can-body-forming machine. 1,793,164; Feb. 17.
Du-Gas Corporation. (See Dugas, Lodias J., assignor.)
Du-Gas Fire Extinguisher Corporation. (See Block, David J., assignor.)
Du-Gas Fire Extinguisher Corporation. (See Dugas, Lodias J., assignor.)
Dugas, Lodias J., Chicago, Ill., assignor to Du-Gas Corporation, New York, N. Y. Fire-extinguisher container. 1,790,231; Jan. 27.
Dugas, Lodias J., Chicago, Ill., assignor to Du-Gas Fire Extinguisher Corporation, New York, N. Y. Fire-extinguishing material. 1,792,826; Feb. 17.
Dugdale, Richard M. (See Thompson, R. E., and Dugdale.)
Dugdale, Richard M., Dedham, assignor to Farrington Manufacturing Company, Boston, Mass. Stamping device. 1,795,480; Mar. 10.
Dugdale, Richard M., Dedham, assignor to Farrington Manufacturing Company, Boston, Mass. Printing device. 1,801,592; Apr. 21.
Dugdale, Richard M., Dedham, assignor to Farrington Manufacturing Company, Boston, Mass. Printing plate. 1,801,593; Apr. 21.
Dugdale, Richard M., Dedham, assignor to Farrington Manufacturing Company, Boston, Mass. Stamping device. 1,801,594; Apr. 21.
Dugdale, Richard M., Dedham, assignor to Farrington Manufacturing Company, Boston, Mass. Stamping device. 1,801,595; Apr. 21.
Dugdale, Richard M., Dedham, assignor to Farrington Manufacturing Company, Boston, Mass. Printing device. 1,801,596; Apr. 21.
Dugdale, Richard M., Dedham, assignor to Farrington Manufacturing Company, Boston, Mass. Stamping device. 1,801,597; Apr. 21.
Dugdale, Richard M., Dedham, assignor to The Bankette Co., Boston, Mass. Coin bank. 1,823,646; Sept. 15.
Dugdale, Richard M., Dedham, assignor to Farrington Manufacturing Company, Boston, Mass. Stamping device. 1,829,586; Oct. 27.
Dugelay, Paul, Le Bourget, assignor to Societe Francaise des Pompes et Machines Worthington, Paris, France. Feed water heater. 1,816,518; July 28.
Dugelay, Paul, assignor to Societe Des Moteurs Dugelay, Paris, France. Internal combustion engine. 1,826,306; Oct. 6.
Duggan, John M., and H. A. Neder, Woodbridge, N. J. Oil burning apparatus. 1,822,518; Sept. 8.
Duggan, John P., Long Island City, N. Y. Fluid strainer. 1,826,170; Oct. 6.
Duggan, Leo C., Sedan, Kans., deceased; P. Duggan, administratrix. Gas and liquid separator for oil wells. 1,788,990; Jan. 13.
Duggan, Pearl, administratrix. (See Duggan, Leo C.)
Dugger, Thomas O., Bridgeport, Nebr. Pick-up for corn harvesters. 1,800,058; Apr. 7.
Du Grenier, Arthur H., Haverhill, Mass. Dispensing mechanism. 1,809,584; June 9.
Du Grenier, Arthur H., Haverhill, Mass. Vending machine. 1,821,501; Sept. 1.
Du Grenier, Arthur H., Haverhill, Mass. Check controlled mechanism. 1,838,907; Dec. 29.
Du Grenier, Arthur H., Ilion, N. Y., assignor by mesne assignments to Consolidated Automatic Merchandising Corporation. Vending machine. 1,823,093; Sept. 15.
Duguid, William, and H. Rolfe, Winnipeg, Manitoba, Canada. Golf-bag stand. 1,790,092; Jan. 27.
Duhamel, Michel, Roubaix, France. Automatic tensioning device for flexible transmission members. 1,828,769; Oct. 27.
Duke, Baxter L., New York, N. Y. Collar fastener. 1,795,766; Mar. 10.
Duke Manufacturing Co. (See Duke, Marsh P., assignor.)
Duke, Marsh P., University City, assignor to Duke Manufacturing Co., St. Louis, Mo. Bin. 1,816,213; July 28.
Dukes, Emily, Pittsburgh, Pa., assignor to Gears & Forgings, Incorporated, Cleveland, Ohio. Apparatus for coiling strips, etc. 1,825,657; Oct. 6.
Dulaney, Paul L., assignor to The Huenefeld Company, Cincinnati, Ohio. Shovel. 1,795,298; Mar. 10.
Dulany, G. W., Trust, The. (See Page, Charles B., assignor.)
Dulany, G. W., Trust, The. (See Page, C. B., and Burton, assignors.)
Dulany, G. W., Trust, The. (See Page, C. B., and Kalk, assignors.)
Dulany, G. W., Trust, The. (See Page, C. B., and Redderson, assignors.)
Dulany, G. W., Trust, The. (See White, Raymond C., assignor.)
Dulany, John R., assignor to The Chamberlain Company, Pittsburgh, Pa. Heat generating compound. 1,814,741; July 14.
Dulany, Ralph O. (See Stansbury, John H., assignor.)
Dull, Raymond W., assignor to Link-Belt Company, Chicago, Ill. Apparatus for making chain. 1,796,592; Mar. 17.
Dull, Raymond W., assignor to Link-Belt Company, Chicago, Ill. Chain manufacture. 1,796,593; Mar. 17.
Dull, Raymond W., assignor to Link-Belt Company, Chicago, Ill. Apparatus for chain manufacture. 1,796,594; Mar. 17.
Dull, Raymond W., La Grange, assignor to Safety Mining Company, Chicago, Ill. Blasting cartridge. 1,829,855; Nov. 3.
Dull, Raymond W., assignor to Link-Belt Company, Chicago, Ill. Antifriction bearing. 1,837,415; Dec. 22.
Dull, Raymond W., Chicago, Ill., and E. Goertz, Indianapolis, Ind., assignors to Link-Belt Company, Chicago, Ill. Silent chain drive. 1,816,473; July 28.
Dultmeier, Frank J., Pocohontas, Iowa. Converting attachment. 1,796,091; Mar. 10.
Duluth Show Case Company. (See Ganzer, John H., assignor.)
Duluth Show Case Company. (See Stack, John, assignor.)
Dumanois, Emile P., Boulogne-sur-Seine, France. Internal combustion engine. 1,825,658; Oct. 6.
Dumas, Edward, Marquette, Mich. Bird nest holder. 1,819,877; Aug. 18.
Dumas, Jean, Chicago, Ill. Easel. 1,809,268; June 9.
Dumas, Joseph, Bristol, Conn. Ice creeper. 1,826,511; Oct. 6.
Dumas, Maxwell G., Pittsburgh, Pa. Hot top for ingot molds. 1,825,445; Sept. 29.
Dumas, Maxwell G., Pittsburgh, Pa. Hot top for ingot molds. 1,825,446; Sept. 29.
Dumat, Clément, assignor to the Société pour l'Exploitation des Tubes Electro-Frettés, Paris, France. Arrangement for securing the longitudinal binding wires in the bound recipients used for the storage and transportation of gas. 1,795,388; Mar. 10.
Dumat, Clément, assignor to Société pour l'Exploitation des Tubes Electro-Frettés, Paris, France. Reenforced gas container. 1,801,910; Apr. 21.
Dumm, Howard, and J. R. Russell, Long Beach, Calif. Hydraulic plug and whipstock. 1,821,426; Sept. 1.
Du Mond, Chester J., Jersey City, N. J. Buoyant drum for motor pontoons. 1,819,409; Aug. 18.
Du Mont, Allen B., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Apparatus and method for testing electrical devices. 1,814,437; July 14.
Dumont, Ray W., assignor to Best & Co., Inc., New York, N. Y. Display head. Des. 84,406; June 16.
Dumoulin, Joseph O. (See Tremblay, J. A., and Dumoulin.)
Dumper, Thomas H., trustee. (See Haertel, Hans R., assignor.)
Dumroese, Otto C., Cicero, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Wire skinning machine. 1,802,462; Apr. 28.
Dunagan, Thomas A., Los Angeles, Calif. Fish-tape reel and puller. 1,815,433; July 21.
Dunagin, George A., Atlanta, Ga. Folding machine. 1,831,293; Nov. 10.
Dunbar, Blossom M., et al. (See Bowen, Anna C., assignor.)
Dunbar, Charles J., Kalamazoo, Mich., assignor to Le Febure Corporation, Cedar Rapids, Iowa. Loose leaf binder. 1,810,133; June 16.
Dunbar, Ernest W., Hudson, assignor to Cambridge Rubber Co., Cambridge, Mass. Molding die. 1,813,150; July 7.
Dunbar, Ernest W., Hudson, assignor to Cambridge Rubber Co., Cambridge, Mass. Manufacturing rubber articles. 1,813,235; July 7.
Dunbar, George S., A. H. Nicholson, and W. O. Barry, assignors to The Federal Glass Company, Columbus, Ohio. Glass plate or article of similar nature. Des. 83,315; Feb. 17.
Dunbar Glass Corporation. (See Payne, James M., jr., assignor.)
Dunbar, Pauline S., Augusta, Ga. Heated mattress. 1,837,117; Dec. 15.
Dunbar, Robert C., et al. (See Gorr, Walter O., assignor.)
Dunbar, Robert C., et al. (See Harts, Clement B., assignor.)
Dunbar, Shafter N., Westbury, N. Y. Floatage. 1,796,595; Mar. 17.
Dunbar, Thomas L. (See Neil, Percy W., assignor.)
Dunbar, Thomas L., Watertown, N. Y. System for cooking fibrous material. 1,798,525; Mar. 31.
Dunbar, Thomas L., Watertown, N. Y. System for cooking fibrous material. 1,814,027; July 14.
Dunbar, Thomas L., Watertown, N. Y. Process and apparatus for preconditioning cooking solutions. 1,832,367; Nov. 17.

Dunbar, Thomas L., Watertown, N. Y., assignor to Chemipulp Process, Incorporated. Method and apparatus for making chemical solutions. 1,826,753; Oct. 13.
Dunbar, William E., Jacksonville, Fla. Brine control for water softening systems. 1,830,353; Nov. 3.
Dunbeck, Joseph R., Rochester, assignor to The Symington Company, New York, N. Y. Shake-out bail. 1,788,087; Jan. 6.
Duncan, Allen T. (See Shankland, B. W., and Duncan.)
Duncan, Andrew J. (See Kelp, Fred, assignor.)
Duncan, Archibald A., Akron, Ohio. Telephone receiver. 1,815,194; July 21.
Duncan Arthur L., Piedmont, Calif., assignor to Acme Canning Machines Company, Reno, Nev. Paring apparatus 1,820,351; Aug. 25.
Duncan, Arthur L., Piedmont, assignor, by mesne assignments, to California Packing Corporation, San Francisco, Calif. Fruit peeling apparatus. 1,831,786; Nov. 10.
Duncan, Cecil A., and T. W. Morefield, Pulaski, Va. Combined seeder, packer and pulverizer. 1,804,862; May 12.
Duncan, Charles H., Erie, Pa. Power unit for use on automotive vehicles. 1,809,331; June 9.
Duncan Electric Manufacturing Company. (See Emens, Albert L., assignor.)
Duncan Electric Manufacturing Company. (See Holmes, Frederick, assignor.)
Duncan, Erskine, and J. R. W. Ambrose, Toronto, Ontario, Canada. Drain hopper. 1,809,549; June 9.
Duncan, Grace E., Scarsdale, N. Y. Cooking utensil. 1,791,889; Feb. 10.
Duncan, Harry F., Chevy Chase, and G. E. Stone, Baltimore, Md. Building. Des. 84,684; July 21.
Duncan, Herbert L., assignor of one-half to L. P. Threlkeld, Highland Park, Mich. Mechanism for automatically and synchronously adjusting the ignition and valve mechanism of internal combustion engines for speed and power. 1,819,743; Aug. 18.
Duncan, James E., jr., assignor to The Duncan & Miller Glass Company, Washington, Pa. Tumbler or like article. 83,852; Apr. 7.
Duncan, James K., and R. Weide, assignors to Ditto, Incorporated, Chicago, Ill. Winding and tightening mechanism. 1,812,433; June 30.
Duncan, John, assignor to Duncan Piano Company, New Haven, Conn. Valve unit for player pianos. 1,796,145; Mar. 10.
Duncan, Joseph S., and H. E. Hubbard, Chicago, Ill., assignors to Addressograph Company, Wilmington, Del. Printing machine. 1,792,079; Feb. 10.
Duncan, Joseph S., and H. E. Hubbard, assignors, by mesne assignments, to Addressograph Company, Wilmington, Del. Printing machine. 1,792,149; Feb. 10.
Duncan, Joseph S., and H. E. Hubbard, assignors, by mesne assignments, to Addressograph Company, Chicago, Ill. Printing machine. 1,792,150; Feb. 10.
Duncan, Joseph S., and H. E. Hubbard, assignors, by mesne assignments, to Addressograph Company, Chicago, Ill. Machine for making printing plates. 1,831,103; Nov. 10.
Duncan, Levi H. (See Armstrong, J. R., and Duncan.)
Duncan & Miller Glass Company, The. (See Duncan, James E., jr., assignor.)
Duncan & Miller Glass Company, The. (See Reese, William W., assignor.)
Duncan, Myler, Alliance, Ohio. Chain tong. 1,794,450; Mar. 3.
Duncan Piano Company. (See Duncan, John, assignor.)
Duncan, Robert D. jr., East Orange N. J., assignor, by mesne assignments, to Federal Telegraph Company. Three-phase wired radio receiving circuits. 1,800,820; Apr. 14.
Duncan, Robert D., jr., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Electron discharge tube actuating means. 1,834,943; Dec. 8.
Duncan, Thomas C., Portsmouth, Va. Fire alarm. 1,811,716; June 23.
Duncan, Thomas P., jr., Newport News, Va. Light projector. 1,811,782; June 23.
Duncan, Thomas P., jr., Newport News, Va. Furniture caster. 1,818,211; Aug. 11.
Duncan, William A., Covington, Ky. Machine for welding flues. 1,798,074; Mar. 24.
Duncanson, Walter E., assignor to The J. G. Wilson Corporation, New York, N. Y. Venetian blind. 1,801,911; Apr. 21.
Duncanson, Walter E., assignor to The J. G. Wilson Corporation, New York, N. Y. Metallic Venetian blind. 1,801,912; Apr. 21.
Duncanson, Walter E., assignor to J. G. Wilson Corp., New York, N. Y. Venetian blind. 1,805,238; May 12.
Duncanson, Walter E., assignor to J. G. Wilson Corp., New York, N. Y. Venetian blind. 1,808,455; June 2.
Duncanson, Walter E., assignor to J. G. Wilson Corporation, New York, N. Y. Door movement. 1,822,767; Sept. 8.
Duncanson, Walter E., assignor to J. G. Wilson Corporation, New York, N. Y. Folding partition. 1,822,768; Sept. 8.
Dundas, Kenneth. (See Melville, A., Dundas, and Whitson.)
Dundas, William A., and L. M. Johnson, Chicago, Ill. Rack screen cleaner. 1,823,823; Sept. 15.
Duner, John C., Chicago, Ill. Water closet. 1,831,528; Nov. 10.
Dunford, Ernest, assignor to Landis Machine Company, St. Louis, Mo. Shoe stapler. 1,808,025; June 2.
Dunford, Ernest, assignor to Landis Machine Company, St. Louis, Mo. Shoe stapler device. 1,808,026; June 2.
Dunford, Ernest, assignor to Landis Machine Company, St. Louis, Mo. Clutch actuating device. 1,838,174; Dec. 29.
Dunford, John A., Seattle, Wash. Vehicular traffic recorder. 1,836,655; Dec. 15.
Dunham, Albert E., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Channeling machine. 1,805,719; May 19.
Dunham, Arthur L., New York, N. Y. Interiorly enamelled boiler. 1,807,394; May 26.
Dunham Bearing & Manufacturing Co. (See Dunham, Orson W., assignor.)
Dunham, Bert G., Hawthorne, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,836,582; Dec. 15.
Dunham, Bert G., Hawthorne, N. J., and R. A. Fairbairn, said Dunham assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said Fairbairn assignor to American Telephone and Telegraph Company. Telephone-exchange system. 1,799,679; Apr. 7.
Dunham, Byron W. (See Bell, F. B., and Dunham.)
Dunham, C. A., Company. (See Brennan, H., and Wilding, assignors.)
Dunham, C. A., Company. (See Crosthwait, D. N., jr., and Dunham, assignors.)
Dunham, C. A., Company. (See Dunham, Clayton A., assignor.)
Dunham, C. A., Company. (See Dwyer, Lawrence P., assignor.)
Dunham, C. A., Company. (See Jarvis, Brewster H., assignor.)
Dunham, C. A., Company. (See McCurrin, John C., assignor.)
Dunham, Charles L., Wellsburg, W. Va. Wrench. 1,812,938; July 7.
Dunham, Clayton A. (See Crosthwait, D. N., jr., and Dunham.)
Dunham, Clayton A., Glencoe, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Thermostatically-controlled reducing valve. 1,792,213; Feb. 10.
Dunham Company, The. (See Dickinson, Harry S., assignor.)
Dunham Company, The. (See Karl, George E., assignor.)
Dunham, George W., Utica, N. Y., assignor to Whirldry Corporation, New Haven, Conn. Filter system for laundry machine. 1,798,730; Mar. 31.
Dunham, George W., Utica, N. Y., assignor to Whirldry Corporation, New Haven, Conn. Washing machine. 1,825,942; Oct. 6.
Dunham, Henry V. (See Bradshaw, L., and Dunham.)
Dunham, Henry V., Mount Vernon, assignor, by mesne assignments, to The Casein Manufacturing Company of America, Inc., New York, N. Y. Producing low viscosity casein. 1,818,878; Aug. 18.
Dunham, Henry V., Bainbridge, assignor, by mesne assignments, to The Casein Manufacturing Company of America, Inc., New York, N. Y. Treatment of casein. 1,819,879; Aug. 18.
Dunham, Henry V., Bainbridge, assignor by mesne assignments, to The Casein Manufacturing Company of America, Inc., New York, N. Y. Treating rennet casein and product thereof. 1,819,880; Aug. 18.
Dunham, Lawrence W., assignor to The Dentists' Supply Company, New York, N. Y. Dental foil container. 1,827,077; Oct. 13.
Dunham, Orson W., Webb City, Mo. Crown block bearing. 1,824,335; Sept. 22.
Dunham, Orson W., assignor to Dunham Bearing & Manufacturing Co., Webb City, Mo. Elevator pit bearing. 1,815,292; July 21.
Dunham, Rex J., Milwaukee, Wis. Antiskid device. 1,822,616; Sept. 8.
Dunham, Robert A., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Rubber latex preparation and manufacture of goods therefrom. 1,826,392; Oct. 6.
Dunham, Roy O., Schenectady, N. Y., assignor to General Electric Company. Ship propulsion. 1,804,328; May 5.
Dünhölter, Heinrich, Berlin, Germany. Taximeter or fare recorder. 1,818,883; Aug. 11.
Dunkelmann, Hans., Kiel, assignor to Fried Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Internal combustion engine cooling system. 1,819,744; Aug. 18.
Dunkelsberg, Louis, New York, N. Y. Spectacle hinge construction. 1,831,347; Nov. 10.
Dunker, Henry C. L., Halsingborg, Sweden. Manufacture and vulcanizing of rubber footwear. 1,838,540; Dec. 29.
Dunkley, Benjamin H., Kalamazoo, Mich. Hobby horse. 1,808,887; June 9.
Dunkley, Edward O., Richmond, assignor to Standard Oil Company of California, San Francisco, Calif. Method and apparatus for plating metallic surfaces. 1,793,069; Feb. 17.
Dunkley, Melville E., assignor to Rosenberg Bros. and Co., San Francisco, Calif. Fruit treatment machine and method. 1,822,276; Sept. 8.
Dunkley, Melville E., assignor to Rosenberg Bros. and Co., San Francisco, Calif. Fruit feeding device. 1,837,765; Dec. 22.

Dunkley, Samuel J., Oakland, Calif., assignor, by mesne assignments, to Sprague Sells Corporation, Chicago, Ill. Hydrometer. 1,827,841; Oct. 20.
Dunlap, Charles K., Hartsville, S. C. Winding machine. 1,791,890; Feb. 10.
Dunlap, Charles K., assignor to Sonoco Products Company, Hartsville, S. C. Dyeing apparatus. 1,793,736; Feb. 24.
Dunlap, Clarence E., Sioux City, Iowa. Tire patch applier. 1,801,954; Apr. 21.
Dunlap, Edward J. (See Brallier, P. S., Dunlap, and Muggleton.)
Dunlap, Elizabeth C., et al. (See Winters, Rogers, assignor.)
Dunlap, Harry B., et al. (See Gill, Samuel A., assignor.)
Dunlap, Isaac A., Wichita, Kans. Casing for wells. 1,833,457; Nov. 24.
Dunlap, James E., assignor to Walker Vehicle Co., Chicago, Ill. Vehicle. 1,806,337; May 19.
Dunlap, John F., et al. (See Winters, Roger, assignor.)
Dunlap, Oliver W., Bloomington, Ill. Glare diffuser. 1,793,785; Feb. 24.
Dunlap, Sylvester M., Des Moines, assignor of one-half to C. H. Day, Kellogg, Iowa. Cooling device for food cabinet. 1,795,644; Mar. 10.
Dunlap, William A., Pittsburgh, Pa. Reflector. 1,800,886; Apr. 14.
Dunlap, William A., Pittsburgh, Pa. Lamp support. 1,804,863; May 12.
Dunlap, Zac D., et al. (See Gill, Samuel A., assignor.)
Dunlop Cotton Mills Limited. (See Andrew, T. E., Langstreth, and Bancroft, assignors.)
Dunlop, Henry J. L., Blundellsands, and A. J. Sibbald, Wallasey, England. Machine for expressing liquid from solids. 1,820,126; Aug. 25.
Dunlop, James. (See Kinnard, L. J., and Dunlop.)
Dunlop, James, Chicago, Ill., assignor, by mesne assignments, to Westinghouse Electric Elevator Company. Cable equalizer. 1,802,759; Apr. 28.
Dunlop, James, Park Ridge, Ill., assignor, by mesne assignments, to Westinghouse Electric Elevator Company. Safety device for elevators. 1,819,502; Aug. 18.
Dunlop Rubber Company. (See Madge, Evelyn W., assignor.)
Dunlop Rubber Company Limited. (See Thorne, George, assignor.)
Dunlop Rubber Company, The. (See Truesdale, R., Smith, and Simpson, assignors.)
Dunlop Rubber Company, et al. (See Willshaw, Harry, Gorham, and Ramsbottom, assignors.)
Dunlop Rubber Company Limited. (See Goodyear, E. F., and Wright, assignors.)
Dunlop Rubber Company Limited. (See Trobridge, Geoffrey W., assignor.)
Dunlop Rubber Company Limited. (See Trobridge, G. W., Murphy, Twiss, and Gorham, assignors.)
Dunlop Rubber Company Limited. (See Twiss, D. F., and Murphy, assignors.)
Dunlop Rubber Company Limited. (See Willshaw, H., and Gorham, assignors.)
Dunlop Rubber Company Limited. (See Wright, Joseph, assignor.)
Dunlop Tire and Rubber Corporation. (See Slatter, Albert J., assignor.)
Dunlop Tire and Rubber Corporation. (See Willshaw, H., and Goodhall, assignors.)
Dunlop Tire and Rubber Corporation. (See Willshaw, H., Norcross, and Broadbent, assignors.)
Dunlop Tire and Rubber Corporation of America. (See Paull, W. H., and Truesdale, assignors.)
Dunmire, Russell P. (See Rodman, C. J., and Dunmire.)
Dunn, Caroline R., and A. E. Rahn, Philadelphia, Pa., assignors, by mesne assignments, to The Stelos Company, Inc., Washington, D. C. Mending. 1,793,225; Feb. 17.
Dunn, Charles P., assignor to The Pioneer Manufacturing Company, Cleveland, Ohio. Mop mounting. 1,832,536; Nov. 17.
Dunn, Clarence E., Dayton, Ohio. Milk-bottle depositing and empty-bottle collecting device. 1,790,138; Jan. 27.
Dunn, Edward L., East Orange, assignor to Otis Elevator Company, Jersey City, N. J. Indicator for elevators. 1,821,500; Sept. 1.
Dunn, Edward L., East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Elevator guide. 1,833,243; Nov. 24.
Dunn, Guy A., assignor to Eby Machinery Company, San Francisco, Calif. Jogging mechanism for tying machines. 1,801,545; Apr. 21.
Dunn, Harry W., Brooklyn, N. Y. Dark room shade construction. 1,815,551; July 21.
Dunn, Irwin L. (See Lewis, J. O., and Dunn.)
Dunn, Irwin L., and L. C. Mingus, assignors, by mesne assignments, to Dunn & Lewis, Tulsa, Okla. Regulating a gas mixture for internal combustion engines. 1,812,088; June 30.
Dunn, James, Bridgeport, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Box. 1,798,406; Mar. 31.
Dunn, John H., Burlington, Iowa. Music leaf turner. 1,790,537; Jan. 27.
Dunn, John W., Los Angeles, Calif. Venetian blind operating mechanism. 1,807,061; May 26.
Dunn, Joseph E., Pittsburgh, Pa. Bottle-filling nozzle. 1,793,684; Feb. 24.
Dunn & Lewis. (See Dunn, I. L., and Mingus, assignors.)
Dunn, Milton, Aberdeen, Idaho. Vending machine. 1,817,740; Aug. 4.
Dunn, Orton C. (See Powell, Dalton U., assignor.)
Dunn, Patrick H., Miles City, Mont. Crosshead. 1,796,009; Mar. 10.
Dunn, Peter S., assignor to Sargent & Company, New Haven, Conn. Latch. 1,826,868; Oct. 13.
Dunn, Rufus, Winchester, Ky. Switch. 1,800,137; Apr. 7.
Dunn, Solomon. (See Brown, Frank T., assignor.)
Dunn, Walter D., Belmont, Mass. Umbrella holder. 1,823,648; Sept. 15.
Dunn, William, Macabi, Cua. Roll scraper for cane mills or the like. 1,787,937; Jan. 6.
Dunn, William C., Chicago, Ill. Spring suspension for vehicles. 1,804,405; May 12.
Dunn, William D., assignor to August W. Spilner, Elizabeth, N. J. Portable window seat. 1,806,675; May 26.
Dunn, William G., Clarinda, Iowa. Handle. 1,795,291; Mar. 10.
Dunn, William G., Clarinda, Iowa. Telephone construction. 1,819,362; Aug. 18.
Dunn, William H. (See Taylor, C. J., and Dunn.)
Dunn, William T., Houston, and J. E. Shows, Harrisburg, Tex. Drilling head. 1,826,059; Oct. 6.
Dunne, Darcey E., jr. (See Charles, Ulysses G., assignor.)
Dünnebier, Max. (See Winkler, A., and Dünnebier.)
Dunner, Julius, New York, N. Y. Staggered channeled roller feather plucking device. 1,809,891; June 16.
Dunnigan, Joseph T., Detroit, Mich. Auto sled attachment. 1,809,161; June 9.
Dunning, Elmer D., Stonehurst, Upper Darby, assignor to Kulair Corporation, Philadelphia, Pa. Valve mechanism for compressors. 1,807,029; May 26.
Dunning, Orville M., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Combined electrical recorder and reproducer for phonographs. 1,816,831; Aug. 4.
Dunning, Orville M., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Combined electrical recorder and reproducer for phonographs. 1,834,390; Dec. 1.
Dunning, William E., assignor to The McCaskey Register Company, Alliance, Ohio. Autographic register. 1,805,239; May 12.
Dunning, William E., and R. Middleton, Alliance, assignors to The McCaskey Register Company, Alliance Ohio. Adding machine. 1,825,783; Oct. 6.
Dunoyer, Louis D. J. A., Neuilly-sur-Seine, France. Securing means for laboratory or workshop apparatus. 1,816,723; July 28.
Dunseth, Clifford A., Kansas City, Mo. Meat cutting device. 1,817,678; Aug. 4.
Dunsheath, Percy, Sidcup, assignor to W. T. Henley's Telegraph Works Company Limited, London, England. Extrusion of metal pipes and the like. 1,817,301; Aug. 4.
Dunstan, Albert E. (See Auld, S. J. M., Dunstan, and Herring.)
Dunwody, Charles R., Gainesville, Fla. Advertising sign. 1,794,677; Mar. 3.
Dunwody, Kenneth W., Macon, Ga. Building unit. 1,805,470; May 19.
Duo-Tor Manufacturing Company, The. (See Epstein, William C., assignor.)
Duplan Silk Corporation. (See Geier, Ernest C., assignor.)
Duplan Silk Corporation. (See Maurus, Harry, assignor.)
Duplan Silk Corporation. (See Rubinger Ralph, assignor.)
Duplan Silk Corporation. (See Schmid, Werner, assignor.)
Duplate Corporation. (See Lytle, William O., assignor.)
Duplate Corporation. (See Penning, Nicholas J., assignor.)
Duplate Corporation. (See Sherts, J. H., and Willits, assignors.)
Duplessis, René E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Buffing roll. 1,801,336; Apr. 21.
Duplessis, René E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Device for supplying fastenings. 1,818,051; Aug. 11.
Duplessis, René E., Beverly, and A. A. Macleod, Swampscott, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Stitchdown lasting machine. 1,836,229; Dec. 15.
Duplex Electric Company. (See Williams, John P., assignor.)
Duplex Envelope Co. Inc., The. (See Jones, M. O., and Shomaker, assignors.)
Duplex Motion Picture Industries, Inc. (See Badgler, Gerald J., assignor.)
Duplex Motion Picture Industries, Inc. (See Carleton, Herbert O., assignor.)
Dupont, Adolph J., Rayne, La. Boll weevil insect destroyer and gatherer. 1,822,277; Sept. 8.
Du Pont, Alfred I. (See Stuart, Joseph 2d, assignor.)
Du Pont Ammonia Corporation. (See Beekley, John S., assignor.)
Du Pont Ammonia Corporation. (See Blake, Frank C., assignor.)
Du Pont Ammonia Corporation. (See Dew, Walter A., assignor.)

Du Pont Ammonia Corporation. (See Larson, Alfred T., assignor.)
Du Pont Ammonia Corporation. (See Larsson, Markus, assignor.)
Du Pont Ammonia Corporation. (See Liljenroth, Frans G., assignor.)
Du Pont Ammonia Corporation. (See Varnes, Samuel K., assignor.)
Du Pont Ammonia Corporation. (See Williams, Roger, assignor.)
Du Pont Ammonia Corporation. See Woodhouse, John C., assignor.)
Dupont, Andrew T., Washington, D. C., assignor to Elevator Supplies Co., Inc., Hoboken, N. J. Checking means for door operating mechanism. 1,807,284; May 26.
Du Pont Cellophane Company. (See Allen, Albert S., assignor.)
Du Pont Cellophane Company. (See Charch, W. H., and Craigue, assignors.)
Du Pont Cellophane Company. (See Charch, W. H., and Prindle, assignors.)
Du Pont Cellophane Company. (See Snyder, James E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Altwegg, Jean, assignor.)
Du Pont, E. I., de Nemours & Company. (See Arnold, Herrick R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Babbitt, Henry K., assignor.)
Du Pont, E. I., de Nemours & Company. (See Barker, Charles A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Booge, James E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bradner, Donald B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bridgwater, Ernest R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Douglass, assignors.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., Downing, and Powers, assignors.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Lee, assignors.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Parmelee, assignors.)
Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Walker, assignors.)
Du Pont, E. I., de Nemours & Company. (See Collins, Arnold M., assignor.)
Du Pont, E. I. de Nemours & Company. (See Couture, John R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Darling, Joshua F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Daudt, Herbert W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Douglass, William A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dykstra, Harry B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dykstra, H. B., and Lawson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Engelmann, M., and Funk, assignors.)
Du Pont, E. I., de Nemours & Company. (See Evans, William H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Frei, John, assignor.)
Du Pont, E. I., de Nemours & Company. (See Funk, Forest J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graves, George D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hahn, Frederick C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Handforth, Stanley L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Howell, Edward T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Jordan, Henry, assignor.)
Du Pont, E. I., de Nemours & Company. (See Keats, John L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Kern, J. G., and Sala, assignors.)
Du Pont, E. I., de Nemours & Company. (See Kern, Jean G., and Sala, assignors.)
Du Pont, E. I., de Nemours & Company. (See Kharasch, Morris S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lawson, Walter E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lewis, Harold A., assignor.)
Du Pont, E. I., de Nemours and Company. (See Littlebury, William O., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., and Dinwiddie, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lubs, H. A., and Fox, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lutz, George, assignor.)
Du Pont, E. I., de Nemours & Company. (See Martone, Thomas A., assignor.)
Du Pont, E. I., de Nemours & Company. (See McBurney, J. D., and Nollau, assignors.)
Du Pont, E. I., de Nemours & Company. (See McCune, John F., assignor.)
Du Pont, E. I., de Nemours & Company. (See McGill, Russell, assignor.)
Du Pont, E. I. de Nemours & Company. (See McLaughlin, James J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Merkle, Christian R. E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Nieuwland, Julius A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Parratt, Arthur N., assignor.)
Du Pont, E. I., de Nemours & Company. (See Pevere, Ernest F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Pitman, Earle C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Powers, Donald H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Reid, Ebenezer E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Remlein, Frank L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rintelman, William, assignor.)
Du Pont, E. I., de Nemours & Co. (See Rogers, Thomas H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sala, Charles J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Schwartz, George L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Stine, C. M. A., and Burke, assignors.)
Dupont, E. I., de Nemours & Company. (See Tattersall, Harold J., assignor.)
Du Pont, E. I., de Nemours and Company. (See Theumann, Max J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Tinker, J. M., and Hansen, assignors.)
Du Pont, E. I., de Nemours & Company. (See Weiland, H. J., and Gubelmann, assignors.)
Du Pont, E. I., de Nemours & Company. (See Williams, Roger, assignor.)
Du Pont, E. I., de Nemours & Company. (See Woodbridge, Richard G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wrightsman, Philip G., assignor.)
Du Pont, Eleuthere P., Montchanin, Del. Automobile top. 1,808,298: June 2.
Du Pont, Eleuthere P., Montchanin, Del. Filler connection for tanks. 1,813,612; July 7.
Du Pont, Eleuthere P., Montchanin, Del. Lubricating internal combustion engines. 1,837,359; Dec. 22.
Du Pont, Eleuthere P., Montchanin, and L. F. Hosley, Ashland, assignors to Du Pont Motors, Incorporated, Wilmington, Del. Internal combustion engine. 1,837,255; Dec. 22.
Du Pont Film Manufacturing Corporation. (See Middleton, Edmund B., assignor.)
Dupont, Francois M. (See Schneider, R., and Dupont.)
Dupont, Francois M., assignor to International Wheat Malt Syrup Company, Chicago, Ill. Manufacture of wheat extract. 1,829,743; Nov. 3.
Du Pont, Max B., assignor to Max B. Dupont Vitacolor Corporation, Los Angeles, Calif. Color photography. 1,814,672; July 14.
Dupont, Max B., Vitacolor Corporation. (See Du Pont, Max B., assignor.)
Dupont, Max B., Vitacolor Corporation. (See Haynes, George, assignor.)
Du Pont, Max B., Vitacolor Corporation. (See Kelley, William V. D., assignor.)
Du Pont Motors, Incorporated. (See du Pont, E. P., and Hosley, assignors.)
Du Pont-Pathe Film Manufacturing Corporation. (See Conklin, O. E., and Rocker, assignors.)
Du Pont-Pathe Film Manufacturing Corporation. (See Doorbar, John H., assignor.)
Du Pont Rayon Company. (See Banigan, Thomas F., assignor.)
Du Pont Rayon Company. (See Blanco, G. W., and Henningson, assignors.)
Du Pont Rayon Company. (See Fromonot, Jean, assignor.)
Du Pont Rayon Company. (See Guenther, A. E., and Toole, assignors.)
Du Pont Rayon Company. (See Harrison, Paul E., assignor.)
Du Pont Rayon Company. (See Lardy, Guillaume, assignor.)
Du Pont Rayon Company. (See Niogret, Henri F., assignor.)
Du Pont Viscoloid Company. (See Clewell, John H., assignor.)
Du Pont Viscoloid Company. (See Payne, Daniel D., assignor.)
Du Pont Viscoloid Company. (See Richard, John B., assignor.)
Du Pont Viscoloid Company. (See Sherts, James H., assignor.)
Du Pont Viscoloid Company. (See Terhune, Leonard B., assignor.)

Dupre, David C., Worcester, Mass. Convertible body for motor vehicles. 1,800,514; Apr. 14.
Du Pree, Eli. (See Caps, A. W., and Du Pree.)
Dupuis, Fernand, Charleroi, Belgium. Centrifugal separator. 1,806,241; May 19.
Dupuis, Louis C., New Bedford, Mass. High speed spindle lock. 1,838,814; Dec. 29.
Dupuy, Arthur O., Beacon, N. Y., assignor to New York Brick Handling Corporation, New York, N. Y. Pallet conveyer. 1,825,447; Sept. 29.
Dupuy, Louis E. (See Klyver, A. N., and Dupuy.)
Duquesne, Ferdinand A., St. Maur Des Fosses, France. Safety apparatus for protection and defense against burglary and violation of habitations. 1,806,242; May 19.
Dura Company, The. (See Bortel, Howard C., assignor.)
Dura Company, The. (See Floraday, Burton S., assignor.)
Dura Company, The. (See Graff, George, assignor.)
Dura Company, The. (See Haskins, H. B., Floraday, and Miller, assignors.)
Dura Company. (See Lawrence, J. D., and Nicholson, assignors.)
Dura Company, The. (See Nicholson, Stanley W., assignor.)
Durabilt Steel Locker Co. (See Kaser, Everett D., assignor.)
Durable Lock Company. (See Viehweger, August F. W., assignor.)
Durand & Huguenin S. A. (See Bodmer, Ernst, assignor.)
Durand & Huguenin S. A. (See de Niederhäusern, Georges, assignor.)
Durand & Huguenin S. A. (See Hug, E., and Werdenberg, assignors.)
Durand, Marcel P., St. Germain-En-Laye, France. Twisting mechanism. 1,800,784; Apr. 14.
Durand, Marcel P., St. Germain-Em-Laye, France. Spindle drive. 1,804,091; May 5.
Durand, Nelson C., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Combined stand and filing device. 1,821,621; Sept. 1.
Durand, Nelson C., East Orange, and S. G. Langley, Maplewood, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 1,816,896; Aug. 4.
Durand, Paul L. (See Monteux, Benjamin E., assignor.)
Durant, Herbert U., Los Angeles, Calif. Fluid pressure control. 1,805,814; May 19.
Durant, John D., assignor to The Gabriel Company, Cleveland, Ohio. Pressure gauge. 1,815,000; July 14.
Durant, John D., Detroit, Mich., assignor to The Gabriel Company, Cleveland, Ohio. Lamp mounting and clamp. 1,820,651; Aug. 25.
Durard, George F., assignor of one-fourth to F. L. A. Graham, Los Angeles, Calif. Typewriter desk. 1,838,613;
Durbin, Vernon, Newton, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Hospital plug connection. 1,793,846; Feb. 24.
Durbon, John R., Junction City, Kans. Paint composition. 1,808,841; June 9.
Durborow, William E., Columbia, Pa. Stack protector for warships. 1,796,749; Mar. 17.
Durdin, Augustus C., jr., Chicago, Ill. Electric switch actuating mechanism. 1,811,458; June 23.
Durdin, Augustus C., jr., Chicago, Ill. Automatic control for motors. 1,819,774; Aug. 18.
Duresen, Andrew, Minneapolis, Minn. Frame for motor vehicles. 1,802,050; Apr. 21.
Durfee, Walter C., Jamaica Plain, Mass. Device for determining the exact color of articles. 1,802,007; Apr. 21.
Durham Duplex Razor Company. (See Sheehan, Thomas C., assignor.)
Durham, Herbert W., and C. M. Rucker, Louisville, Ky. Valve. 1,825,512; Sept. 29.
Durham, Hobart N., Jackson Heights, N. Y. Sign. 1,794,886; Mar. 3.
Durham, Hortense R., Jackson Heights, N. Y. Wrapping. 1,789,699; Jan. 20.
Durham, Hobart N., Jackson Heights, N. Y. Watercolor printing. 1,838,218; Dec. 29.
Durham, Kenneth P., Seattle, Wash., assignor to Morris & Boogher, Inc. Discharge opening and closure for concrete mixers. 1,821,056; Sept. 1.
Durinick, Henry R., Brooklyn, N. Y. Lamp shade. 1,789,645; Jan. 20.
Duririon Company, The. (See Jacobsen, Oystein, assignor.)
Duriron Company, The. (See Parsons, James A., assignor.)
Durium Products Corporation. (See Acheson, Arthur M., assignor.)
Durium Products Corporation. (See Acheson, A. M., and Ramsey, assignors.)
Durium Products Corporation. (See Schulz, Edwin M., assignor.)
Durkan, Thomas M. (See Shlesinger, B. E., and Durkan.)
Durkee-Atwood Company. (See Blakely, Sidney B., assignor.)
Durkee-Atwood Company. (See Kile, Alfred W., assignor.)
Durkee Famous Foods, Inc. (See Beatty, Newell, assignor.)
Durkee Famous Foods, Inc. (See Helle, Warren W., assignor.)
Durkee, Henry E., Manchester, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Thread grinding machine. 1,807,516; May 26.
Durkin, James, Pittsburgh, Pa. Duplicator. 1,788,424; Jan. 13.
Durkoppwerke Aktiengesellschaft. (See Mischke, Karl, assignor.)
Durman, Toby, Signal Hill, Calif. Automatic film winding device. 1,803,322; May 5.
Durnin, Joseph V. (See Uhle, D. J., and Durnin.)
Durnin, Joseph V., Allentown, Pa. Compartment-tube grinding mill. 1,787,897; Jan. 6.
Durocher, Thomas L. (See Gruppe, Alfred H., assignor.)
Duro Company. (See Eisenhauer, Charles P., assignor.)
Duro Metal Products Company. (See Hawkins, Walter L., assignor.)
Duro Metal Products Company. (See McNaught, Norris F., assignor.)
Duro Metal Products Company. (See McNaught, N. F., and Peterson, assignors.)
Dur-O-Lite Pencil Company. (See Kerran, Charles R., assignor.)
Dur-O-Lite Pencil Co. (See Lynn, John P. assignor.)
Durrant, William, Plainfield, N. J. Plate locking mechanism for printing presses. 1,805,134; May 12.
Durren, Merle P., Dowagiac, Mich. Air filter. 1,829,344; Oct. 27.
Durst, Ernst. (See Rall, M., and Durst.)
Dury, August, Green Bay, Wis. Windshield. 1,798,015; Mar. 24.
Duryea, William H., Wooster, Ohio. Building block. 1,798,661; Mar. 31.
Duryee, Mack, Bay City, Mich. Clothes drier. 1,813,917; July 14.
Duschak, Lionel H., Berkeley, assignor to Burnham Chemical Company, Westend, Calif. Recovering supersaturants. 1,814,300; July 14.
Duschak, Lionel H., and C. G. Dennis, assignors of one-half to Golden Gate Gold Mining Co. and one-half to Homestake Gold Mining Co., San Francisco, Calif. Method of and apparatus for treating quicksilver ores. 1,832,006; Nov. 17.
Dusel, Frank J., St. Paul, Minn. Tire rim. 1,806,676; May 26.
Dusenbury, Henry G., Essex Fells, and S. Isermann, Summit, N. J. Toilet preparation. 1,818,699; Aug. 11.
Dusenbury, Walter A., assignor to Heco Envelope Company, Chicago, Ill. Stop mechanism. 1,814,081; July 14.
Dushek, Maurice, Chicago, Ill. Novelty box. 1,834,691; Dec. 1.
Dusinberre, George B., Elmira, N. Y. Clip. 1,797,467; Mar. 24.
Dusmet, Giacomo, Rome, Italy. Shock absorber automatically controllable with speed of vehicle. 1,796,513; Mar. 17.
Dustan, Frank, assignor to Shaw-Crane-Putnam Machine Company, Inc., Fitchburg, Mass. Tool holder. 1,797,944; Mar. 24.
Dustan, Frank, Fitchburg, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Combination quartering and pin-turning machine. 1,798,016; Mar. 24.
Dustan, Frank, and H. W. Cross, Wilkinsburg, Pa., assignors to Manning, Maxwell & Moore, Inc., New York, N. Y. Entering table for shearing machines. 1,797,945; Mar. 24.
Dustan, Frank, and H. W. Cross, Wilkinsburg, Pa., assignors to Manning, Maxwell & Moore, Inc., New York, N. Y. Side scrap deflector. 1,800,443; Apr. 14.
Dustan, Frank, Wilkinsburg, Pa., and H. W. Cross, Fitchburg, Mass., assignors to Manning, Maxwell & Moore, Inc., New York, N. Y. Strong back. 1,800,444; Apr. 14.
Dutchess Tool Company. (See Van Houten, Frank H., assignor.)
Dutro, Leslie C., Long Beach, Calif. Lubricator. 1,821,010; Sept. 1.
Dutschke, Hermann A., Kassel, Germany. Indicating device for the power consumption in motor cars and the like. 1,812,868; July 7.
Dutton, Bert E., Boulder, Colo., assignor to The Dorr Company, New York, N. Y. Sedimentation apparatus. 1,787,437; Jan. 6.
Dutton, Charles S. (See Alexander, E., Dutton, and Derrick.)
Dutton, Orlie W., assignor of one-half to H. E. Thomas, Dodge Center, Minn. Antiskid device. 1,820,449; Aug. 25.
Dutton, William A., Lawrence, assignor to Davis & Furber Machine Company, North Andover, Mass. Hand card. 1,820,380; Aug. 25.
Duty, Spencer C., Cleveland Heights, Ohio. Coupler. 1,804,973; May 12.
Duuck, Josias D., Sequim, Wash. Hog feeder. 1,814,673; July 14.
Duval, Adam I., et al. (See Staude, John M., assignor.)
Duval, Gaston, Rouen, assignor to Etablissements Jean Schwarze et H. Mahe, Societe a Responsabilite Limitee, Paris, France. Signaling device for automobiles. 1,814,301; July 14.
Duvall, James, Camas, Wash. Garment bag. 1,822,341; Sept. 8.

Duvall, William J., assignor to Smith & Davis Manufacturing Company, St. Louis, Mo. Folding bed. 1,810,516; June 16.
Duvall, William J., assignor to Smith & Davis Manufacturing Company, St. Louis, Mo. Folding davenport or bed. 1,824,773; Sept. 29.
Duvall, William J., assignor to Smith & Davis Manufacturing Company, St. Louis, Mo. Folding bed. 1,837,211; Dec. 22.
Duwe, Friedrich, Mainz-Kastel, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Nuremberg, Germany. Lifting machinery, especially for the ends of pivot bridges. 1,807,780; June 2.
Duyn, Jan, Wogmeer-Spierdijk, Netherlands. Combined rake and tedder. 1,799,091; Mar. 31.
Duysen, Henry B., Elyria, Ohio. Heel for shoes. 1,823,134; Sept. 15.
Dvilnsky, Louis, Brookline, Mass. Baseboard radiator. 1,807,202; May 26.
Dwight, Amos T. (See Decker, Abram M., assignor.)
Dwight, Herbert B., Winthrop, Mass. Electrical switch. 1,836,708; Dec. 15.
Dwight and Lloyd Metallurgical Company. (See Hyde, Reed W., assignor.)
Dwork, Joseph H., Newark, N. J. Mop wringer. 1,808,643; June 2.
Dwork, Max, Brooklyn, N. Y. Tire-pulling device. 1,788,283; Jan. 6.
Dworsky, Harold P., New York, N. Y., and O. S. Lawton, New Bedford, Mass., assignors to Electric Weave Products, Inc., New York, N. Y. Rubberless elastic fabric. 1,823,034; Sept. 15.
Dwyer, Frank W., Oak Park, Ill. Mechanical counting device. 1,795,085; Mar. 3.
Dwyer, Ion E. (See Dwyer, M. L. and I. E.)
Dwyer, Lawrence P., Chicago, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Radiator construction. 1,797,524; Mar. 24.
Dwyer, Mary L. and I. E., St. Louis, Mo. Illuminated sign. 1,808,456; June 2.
Dwyer, Michael J., East Weymouth, Mass. Decorating leather. 1,813,390; July 7.
Dwyer, Nellie S., Seattle, Wash. Separable button. 1,833,018; Nov. 24.
Dwyer, Raymond B., Chicago, Ill. Screen. Des. 83,598; Mar. 10.
Dwyer, Raymond B., Chicago, Ill. Drapery hanger. 1,811,619; June 23.
Dwyer, Thomas F., jr. (See Whelan, F. J., and Dwyer.)
Dwyer, Will, Dallas, Tex. Injector and aspirator. 1,806,845; May 26.
Dwyer, William C. (See Robinson, C. W., and Dwyer.)
D'Yarmett, Edward C., assignor to The Fractionator Company, Kansas City, Mo. Oil distillation apparatus. 1,831,906; Nov. 17.
Dyas, Robert L., and J. Maickel, Butte, Mont. Machine tool for dressing articles on nonparallel surfaces. 1,823,824; Sept. 15.
Dyche, Howard E., Wilkinsburg, Pa. Camera operating mechanism. 1,824,469; Sept. 22.
Dyche-Teague, Francis C., London, England. Production of plastic products, paints and lacquers. 1,819,136; Aug. 18.
Dyche-Teague, Francis C., London, England. Rubber product and production thereof. 1,826,275; Oct. 6.
Dye, Bruce R., and F. G. McDougall, Bonner Springs, Kans. Antiglare attachment for vehicle headlights. 1,791,718; Feb. 10.
Dye, Glen M., Minneapolis, Minn. Method and apparatus for handling photographic prints. 1,794,003; Feb. 24.
Dye, Glen M., Minneapolis, Minn. Print-drying apparatus. 1,794,063; Feb. 24.
Dyeing Processes Corporation. (See Hebden, John C., assignor.)
Dyer, Dolen D., Brandywine, W. Va. Automobile cardcase. 1,797,134; Mar. 17.
Dyer, Eibert, and R. E., Sutherland, Bandon, assignors to Mineral Power Co., Portland, Oreg. Electric smelting furnace. 1,800,721; Apr. 14.
Dyer, Foster G. (See Gott, S. A., and Dyer.)
Dyer, Frank L., New York, N. Y. Exercising apparatus. 1,793,214; Feb. 17.
Dyer, Frank L., New York, N. Y. Controlling talking-machine turntable. 1,798,196; Mar. 31.
Dyer, Frank L., New York, N. Y. Apparatus for reproducing sound records. 1,801,268; Apr. 21.
Dyer, Harry W. (See Loughridge, Matthew H., assignor.)
Dyer, Harry W. (See Scharnagel, H., and Loughridge, assignors.)
Dyer, Harry W., New York, N. Y. Compress or pump. 1,787,974; Jan. 6.
Dyer, Holmes H., Los Angeles, Calif. Device for measuring and sampling fluid. 1,798,788; Mar. 31.
Dyer, Horace T., Greenwich, Conn., assignor to Peabody Engineering Corporation, New York, N. Y. Apparatus for preparing pulverized fuel for combustion. 1,823,932; Sept. 22.
Dyer, John B., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition-control device. 1,789,938; Jan. 20.
Dyer, John B., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,799,042; Mar. 31.
Dyer, John B., assignor to Delco-Remy Corporation, Anderson, Ind. Engine-starting apparatus. 1,799,043; Mar. 31.
Dyer, John B., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Engine starting apparatus. 1,810,393; June 16.
Dyer, John B., assignor to Delco-Remy Corporation, Anderson, Ind. Engine starting device. 1,817,480; Aug. 4.
Dyer, Joseph, Long Beach, N. Y. Engraving printing rollers. 1,800,342; Apr. 14.
Dyer, Newell V., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,829,792; Nov. 3.
Dyer, Zeb A., Whittier, Calif. Plug for use in the process of cementing oil wells. 1,803,057; Apr. 28.
Dygert, Charles B., and C. T. Van Alstine, Ilion, N. Y., assignors to Remington Arms Company, Inc. Firearm. 1,795,111; Mar. 3.
Dyhr, Jens, assignor to Schaumbad Gesellschaft mit beschrankter Haftung, Dresden, Germany. Production of foam. 1,810,394; June 16.
Dykema, Claude D. (See Carman, G. G., and Dykema.)
Dykeman, Harry E., assignor to Union Special Machine Company, Chicago, Ill. Rug tufting machine. 1,831,485; Nov. 10.
Dykeman, Reuben G., Dayton, Ohio. Packing ring. 1,794,916; Feb. 24.
Dykstra, Harry B., Wilmington, Del., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Flux for soft soldering. 1,800,445; Apr. 14.
Dykstra, Harry B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition containing polymerized divinyl benzene. 1,811,078; June 23.
Dykstra, Harry B., and W. E. Lawson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition of matter. 1,806,152; May 19.
Dykstra, James, Lansing, assignor to General Motors Corporation, Detroit, Mich. Frame construction. 1,795,938; Mar. 10.
Dylong, John, Bayonne, N. J. Inhaler. 1,823,094; Sept. 15.
Dym, Jacob, assignor, by mesne assignments, to Porcelier Manufacturing Company, Pittsburgh, Pa. Lighting brackets. 1,795,543; Mar. 10.
Dyment, Elwood, Cleveland, Ohio. Accordion display. 1,802,553; Apr. 28.
Dyrenkov, Nikolai I., Odessa, Union of Socialist Soviet Republics. Variable-speed transmission. 1,799,219; Apr. 7.
Dyrenkov, Nikolai I., Odessa, Union of Socialist Soviet Republics. Reversible transmission for locomotives. 1,799,220; Apr. 7.
Dyresen, Didrick. (See Johnson, G., and Dyresen.)
Dyresen, Didrick, Malden, Mass. Separable fastener. 1,789,304; Jan. 20.
Dyresen, Didrick, Malden, Mass. Separable fastener. 1,789,355; Jan. 20.
Dyresen, Didrick, Somerville, Mass. Fastener unit. 1,827,309; Oct. 13.
Dyrr, Jacob V., Bell, Calif. Spring harrow tooth. 1,805,481; May 19.
Dyrr, Jacob V., Bell, Calif. Remote control hoist. 1,805,482; May 19.
Dyrr, Jacob V., Bell, Calif. Spike tooth harrow. 1,835,288; Dec. 8.
Dyrssen, Waldemar, Sharpsburg, assignor to Blaw-Knox Company, Blawnox, Pa. Regenerative heating system. 1,811,459; June 23.
Dyrssen, Waldemar, Sharpsburg, assignor to Blaw-Knox Company, Pittsburgh, Pa. Heat exchanger. 1,835,148; Dec. 8.
Dyrssen, Waldemar, deceased, O'Hara Township, Allegheny County, by Peoples-Pittsburgh Trust Company, administrator, Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Regenerative heating system. 1,835,210; Dec. 8.
Dysert, Charles F., Johnstown, Pa. Aeroplane kite. 1,821,465; Sept. 1.
Dyson, Frank E., assignor, by mesne assignments, to Automatic Equipment Company, Providence, R. I. Fire extinguisher. 1,794,451; Mar. 3.
Dyson, Frank E., Providence, R. I., assignor to Automatic Equipment Company, Attleboro, Mass. Foil holder for bursting valves. 1,836,528; Dec. 15.
Dziambor, Wilhelm G. H., Altona-Klein-Flottbek, assignor to the Firm Simplo Füllfeder Gesellschaft Voss, Lausen & Dziambor, Hamburg, Germany. Magazine pencil. 1,833,244; Nov. 24.
Dziedzic, Mickolas, and J. E. Covey, assignors to Swift & Company, Chicago, Ill. Skewer block. 1,788,991; Jan. 13.
Dzieweczynski, Hugo A., Cleveland, Ohio. Automatic needle-feeding mechanism for talking machines. 1,788,425; Jan. 13.
E. A. Laboratories, Inc. (See Aufiero, John M., assignor.)
E. A. Laboratories, Inc. (See Aufiero, J. M., and Smoot, assignors.)
E-K. Medical Gas Laboratories, Incorporated. (See Horner, Aurelius P., assignor.)
E.-K. Medical Gas Laboratories, Incorporated. (See Hornor, A. P., and Gardenier, assignors.)

E. M. S. Industrial Processes Limited. (See Salerni, Edoardo M., assignor.)
E. M. S. Industrial Processes Limited. (See Stokes, R. A., and Roberts, assignors.)
E-Z Reach Paper Cutter Corporation. (See McClintock, James W., assignor.)
Eagle Foundry Company. (See Lemme, Alvin H. L., assignor)
Eagle Manufacturing Company. (See Paull, Samuel O., assignor.)
Eagle Pencil Company. (See Huber, Otto, assignor.)
Eagle Pencil Company. (See Meilner, Joseph, assignor.)
Eagle Pencil Company. (See Palme, Anton J., assignor.)
Eagle Pencil Company. (See Pischel, Adolf and P., assignors.)
Eagle-Picher Lead Company, The. (See Gentry, Tandy E., assignor.)
Eagles, Reginald H., Hastings upon Hudson, N. Y. Finely divided metallic compounds and process therefor. 1,829,395; Oct. 27.
Eakins, Isaiah A., Pleasanton, Tex., assignor to General American Tank Car Corporation, Chicago, Ill. Supporting structure. 1,831,486; Nov. 10.
Eakins, John F., Evanston, Ill., assignor to Standard Oil Company, Whiting, Ind. Prevention of evaporation losses. 1,796,010; Mar. 10.
Eakins, Lawrence H., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire balancing mechanism. 1,832,479; Nov. 17.
Eames, George M., Bridgeport, Conn., and I. F. Webb, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Power-table trough. 1,797,908; Mar. 24.
Eames, Robert, Detroit, Mich. Fruit jar cap remover. 1,837,257; Dec. 22.
Eames, William F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,805,208; May 12.
Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,817,509; Aug. 4.
Eames, William F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Selective signal system. 1,822,085; Sept. 8.
Eames, William J. (See Law, S. W., and Eames.)
Earhart, Albert C., Cleveland Heights, Ohio. Insulator. 1,810,950; June 23.
Earhart, Albert C., Shaker Heights, Ohio. Bolt substitute, 1,815,098; July 21.
Earhart, Charles T., Pittsburgh, Pa. Sawing device. 1,832,283; Nov. 17.
Earl Aircraft Corporation. (See Earl, Harry W., assignor.)
Earl, Alfred R., and T. W. Reeves, Toledo, Ohio. Fractionating liquids such as mineral oils and the like. 1,799,414; Apr. 7.
Earl Aviation Corporation, Ltd. (See Bunch, Joel D., assignor.)
Earl, George G., New Orleans, La. Fluid metering system and apparatus. 1,808,209; June 2.
Earl, George G., New Orleans, La. Fluid metering mechanism. 1,808,210; June 2.
Earl, George G., New Orleans, La. Fluid meter. 1,808,211; June 2.
Earl, George G., New Orleans, La. Meter. 1.808,212; June 2.
Earl, Harley J., assignor to General Motors Corporation, Detroit, Mich. Head-lamp medallion. Des. 83,095; Jan. 20.
Earl, Harley J., and J. F. Wilson, assignors to General Motors Corporation, Detroit, Mich. Front splash guard with covered crank hole. 1,826,393; Oct. 6.
Earl, Harry W., assignor to Earl Aircraft Corporation, Portland, Oreg. Internal combustion engine. 1,804,598; May 12.
Earl, Robert, jr., Utica, N. Y., assignor to General Electric Company. Foundry core. 1,831,555; Nov. 10.
Earl, Schuyler, H., assignor to Gleason Works, Rochester, N. Y. Chuck. 1,812,144; June 30.
Earle Anti-Freeze Valve Corporation. (See Milone, Samuel, assignor.)
Earle, Francis. (See Spilsbury, Hugh G., assignor.)
Earle, Theodore, Denver, Colo. Inertia operated pump. 1,814,742; July 14.
Earles, Amalia, and E. H. Barbe, Los Angeles, Calif. Ash tray receptacle and cover. 1,833,517; Nov. 24.
Earley, Martin A., and M. Roberts, St. Paul, Minn. Game apparatus. 1,799,009; Mar. 31.
Early, Rupert N., and S. P. Bordeau, assignors to Electric Machinery Manufacturing Company, Minneapolis, Minn. Alternating current motor regulation. 1,824,595; Sept. 22.
Earman, George H., assignor to Grumbine-O'Donnell Corporation, Harrisonburg, Va. Cigar package. 1,790,370; Jan. 27.
Earnest, Elisha T., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Process and apparatus for cracking oil. 1,836,910; Dec. 15.
Earnest, George W., Colfax, Wash. Air filter. 1,838,751; Dec. 29.
Earnshaw, Howard W. assignor to The Lilley Company, Columbus, Ohio. Badge or similar article. Des. 85,576; Nov. 17.
Earnshaw, Howard W. assignor to The Lilley Company, Columbus, Ohio. Badge or similar article. Des. 85,577; Nov. 17.
Earnshaw, Howard W. assignor to The Lilley Company, Columbus, Ohio. Finger ring or similar article. Des. 85,578; Nov. 17.
Earnshaw, Joseph C., assignor to Moss Rose Manufacturing Company, Philadelphia, Pa. Textile fabric. Des. 84,277; June 2.
Earnshaw Knitting Company. (See Alexander, William A., assignor.)
Easley, Henry L., Troy, Ill. Desiccating smear-case. 1,837,536; Dec. 22.
Easley, Jackson Z. (See McKenney, Fred Y., assignor.)
Easley, John W. (See Lucka, L. O., and Easley.)
Eason, Clarence M. (See Reid, F. M., Schon, and Eason.)
East Bay Street Railways, Ltd. (See Kent, T. J., and Bell, assignors.)
East, Charles V., Molson, Wash. Saw sharpener. 1,803,934; May 5.
East, Frederick W., assignor to I. T. S. Rubber Company Limited, Petersfield, England. Boot and shoe. 1,809,194; June 9.
East, Frederick W., assignor to I. T. S. Rubber Company Limited, Petersfield, England. Boot and shoe. 1,827,224; Oct. 13.
East, William W., jr. (See Bryant, L. N., East, jr., and Swain)
Eastburn, David F. (See Phelps, O. J., and Eastburn.)
Easter, George C., assignor, by mesne assignments, to The Vulcan Steel Products Company, Baltimore, Md. Making nuts. 1,794,064; Feb. 24.
Easter, George C., assignor, by mesne assignments, to The Vulcan Steel Products Company, Baltimore, Md. Lock nut. 1,833,563; Nov. 24.
Easter, George J. (See Benner, R. C., and Easter.)
Easter, George J. (See Benner, R. C., Easter, and Hawke.)
Easter, George J., assignor to The Carborundum Company, Niagara Falls, N. Y. Manufacture of zirconium compound refractories. 1,816,006; July 28.
Easterly, David H., Detroit, Mich. Hay stacker. 1,808,243; May 19.
Eastern Alcohol Corporation, The. (See Funk, Forest J., assignor.)
Eastern Corporation. (See Miltenberger, Eugene F., assignor.)
Eastern Expanded Metal Company. (See Arnold, David B., assignor.)
Eastern Finishing Works. (See Adams, William H., assignor.)
Eastern Malleable Iron Co., The. (See Davis, Thomas R., assignor.)
Eastern Malleable Iron Company, The. (See Tarbox, George R., assignor.)
Eastern Manufacturing Company. (See Blodgett, C. A., and Hanson, assignors.)
Eastern Manufacturing Company. (See Seaman, Stewart E., assignor.)
Eastern Manufacturing Company. (See Webb, S. W., Callan, and Allen, assignors.)
Eastern Steel Products Limited. (See Graystone, Wilfred, assignor.)
Eastern Tool & Mfg. Co. (See Peterson, Carl E., assignor.)
Eastern Tube & Tool Co. Inc. (See Schneider, Edwin J., assignor.)
Eastern Tube and Tool Co. (See Schneider, E. J., and Bradt, assignors.)
Eastern Tube and Tool Co. Inc. (See Schneider, E. J., and Bradt, assignors.)
Easterwood, Henry W. (See Weigel, R., and Easterwood.)
Easterwood, Henry W., Nashville, Tenn., assignor to Victor Chemical Works. Production of phosphorus in volatilization furnaces. 1,820,606; Aug. 25.
Eastman, Austin V., Seattle, Wash., assignor to General Electric Company. Remote control apparatus. 1,834,771; Dec. 1.
Eastman, Charles E., Des Moines, Iowa. Concrete building structure. 1,794,678; Mar. 3.
Eastman, Fred C. (See La Chapelle, F. N., and Eastman.)
Eastman, Fred C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,825,857; Oct. 6.
Eastman, Hal P., Monrovia, Calif., assignor to Owl Fumigating Corporation, New York, N. Y. Plow applicator. 1,792,577; Feb. 17.
Eastman, Ivan L., Sylvania, assignor to The De Vilbiss Company, Toledo, Ohio. Motor support. 1,831,165; Nov. 10.
Eastman, Joseph P., Manitowoc, Wis. Hose clamp. 1,808,101; June 2.
Eastman, Joseph P., Manitowock, Wis. Bumper for electric lamps. 1,829,345; Oct. 27.
Eastman Kodak Company. (See Adams, George W., assignor.)
Eastman Kodak Company. (See Arthur, Russell W., assignor.)
Eastman Kodak Company. (See Bishop, Fred M., assignor.)
Eastman Kodak Company. (See Branchen, L. E., and Prachel, assignors.)
Eastman Kodak Company. (See Capstaff, John G., assignor.)
Eastman Kodak Company. (See Carroll, Setwart J., assignor.)

Eastman Kodak Company. (See Chamberlin, Benjamin D., assignor.)
Eastman Kodak Company. (See Christie, John, assignor.)
Eastman Kodak Company. (See Clarke, Hans T., assignor.)
Eastman Kodak Company. (See Clarke, H. T., and Malm, assignors.)
Eastman Kodak Company. (See Clarke, H. T., and Othmer, assignors.)
Eastman Kodak Company. (See Donohue, J. M., Webb, and Seel, assignors.)
Eastman Kodak Company. (See Favour, Paul, assignor.)
Eastman Kodak Company. (See Fuerst, Carl C., assignor.)
Eastman Kodak Company. (See Gray, Harry L., assignor.)
Eastman Kodak Company. (See Green, Newton B., assignor.)
Eastman Kodak Company. (See Hastings, Henry E., assignor.)
Eastman Kodak Company. (See Hopkins, Roy S., assignor.)
Eastman Kodak Company. (See Jones, John G., assignor.)
Eastman Kodak Company. (See Jones, Loyd A., assignor.)
Eastman Kodak Company. (See Jones, J. G., and Dewey, assignors.)
Eastman Kodak Company. (See Leong, Chew H., assignor.)
Eastman Kodak Company. (See Martin, Frederick C., assignor.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kodak Company. (See Murray, T. F., Jr., and Staud, assignors.)
Eastman Kodak Company. (See Noble, James A., assignor.)
Eastman Kodak Company. (See Petryl, August, assignor.)
Eastman Kodak Company. (See Riddell, William A., assignor.)
Eastman Kodak Company. (See Sandvik, Otto, assignor.)
Eastman Kodak Company. (See Sauer, Howard A., assignor.)
Eastman Kodak Company. (See Schulz, John C., assignor.)
Eastman Kodak Company. (See Senton, C. A., and Jacquet, assignors.)
Eastman Kodak Company. (See Sheppard, S. E., and McNally, assignors.)
Eastman Kodak Company. (See Smith, Henry B., assignor.)
Eastman Kodak Company. (See Staud, C. J., and Murray, assignors.)
Eastman Kodak Company. (See Staud, C. J., and Van Dyke, assignors.)
Eastman Kodak Company. (See Staud, C. J., and Webber, assignors.)
Eastman Kodak Company. (See Stephenson, Paul A., assignor.)
Eastman Kodak Company. (See Stewart, Donald H., assignor.)
Eastman Kodak Company. (See Stuber, Adolph, assignor.)
Eastman Kodak Company. (See Sulzer, Albert F., assignor.)
Eastman Kodak Company. (See Teague, Walter D., assignor.)
Eastman Kodak Company. (See Tuttle, Fordyce, assignor.)
Eastman Kodak Company. (See Webber, C. S., and Staud, assignors.)
Eastman Kodak Company. (See Wittel, Otto, assignor.)
Eastman Kodak Company. (See Wood, Donald L., assignor.)
Eastman Kodak Company. (See Young, Albert A., assignor.)
Easton & Burnham Machine Co. (See Beachen, Albert E., assignor.)
Easton and Burnham Machine Company. (See Risk, Thomas J., assignor.)
Easton, Henry S., Greenfield, Iowa. Gopher trap. 1,819,546; Aug. 18.
Easton, Robert D., assignor to R. R. Donnelley & Sons Company, Chicago, Ill. Indexing table. 1,811,882; June 30.
Eastwood, Carlin. (See McClay, Roy C., assignor.)
Eastwood Wire Corporation. (See Webb, Nelson W., assignor.)
Eaton, A. M., Paper Company. (See Eaton, Carleton G., assignor.)
Eaton, Albion K., Scarsdale, N. Y., assignor to Shell Eastern Petroleum Products, Inc., New York, N. Y. Bottle. Des. 85,637; Dec. 1.
Eaton Axle & Spring Company. (See Bell, Charles H., assignor.)
Eaton Axle and Spring Company, The. (See Reid, James S., assignor.)
Eaton Axle and Spring Company, The. (See Veale, George W., assignor.)
Eaton Axle & Spring Company, The. (See Veale, G. W., and Lindeman, assignors.)
Eaton Axle & Spring Company, The. (See Wallace, William H., assignor.)
Eaton, Bruce M., Douglas, Kans. Proportioning regulator for oxyacetylene welders. 1,798,317; Mar. 31.
Eaton, Carleton G., Waltham, assignor to A. M. Eaton paper Company, Boston, Mass. Bag. 1,835,477; Dec. 8.
Eaton, Ernest E., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Clutch member. 1,818,610; Aug. 11.
Eaton, George, Cleveland, Ohio. Electric toaster. Des. 85,329; Oct. 13.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission line device. 1,813,151; July 7.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Indicating device. 1,813,991; July 14.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Hour glass bearing. 1,816,474; July 28.
Eaton, George M., assignor to Spang, Chalfant & Company, Inc., Pittsburgh, Pa. Making tight threaded joints. 1,817,808; Aug. 4.
Eaton, George M., Pittsburgh, Pa. Making helical springs. 1,826,060; Oct. 6.
Eaton, George M., Pittsburgh, Pa., assignor to Westing house Electric & Manufacturing Company. Base socket and making the same. 1,835,478; Dec. 8.
Eaton, George R., Pueblo, Colo. Display device. 1,830,828; Nov. 10.
Eaton, George R., Oak Park, and R. Horn, Chicago, assignors to Kellogg Switchboard & Supply Co., Chicago, Ill. Telephone desk stand. Des. 83,514; Mar. 3.
Eaton, George R., Oak Park, and R. Horn, Chicago, assignors to Kellogg Switchboard & Supply Co., Chicago, Ill. Telephone desk stand. Des. 83,515; Mar. 3.
Eaton, George R., Oak Park, and R. Horn, Chicago, assignors to Kellogg Switchboard & Supply Co., Chicago, Ill. Hand telephone. Des. 83,599; Mar. 10.
Eaton, George R., Oak Park, and M. Rose, assignors to Kellogg Switchboard & Supply Co., Chicago, Ill. Tuning control. 1,833,893; Dec. 1.
Eaton, Harold D., assignor to Bastian-Morley Co., La Porte, Ind. Thermostat mechanism. 1,791,477; Feb. 3.
Eaton, Harrison H., Toledo, Ohio. Armature insulation process and machine. 1,838,017; Dec. 22.
Eaton, Harrison H., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Thermostatic control mechanism. 1,796,193; Mar. 10.
Eaton, Harrison H., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Armature insulation machine. 1,827,740; Oct. 20.
Eaton, Horace M., et al. (See Evans, Harold A., assignor.)
Eaton, Horace M., Nahant, assignor to Parco Specialty Company, Lynn, Mass. Sewing-machine attachment. 1,797,762; Mar. 24.
Eaton, Horace M., Nahant, assignor of one-half to G. L. Preble, Lynn, Mass. Fabric pulling machine. 1,811,460; June 23.
Eaton, James S. (See Carroll, F. M., and Eaton.)
Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Motor control system. 1,820,786; Aug. 25.
Eaton, Robert W., assignor to F. J. Bentz, Miami, Fla. Solar water heater. 1,802,635; Apr. 28.
Eaton Spring Corporation. (See Read, Balfour, assignor.)
Eaton, William S., Sag Harbor, N. Y. Electrodepositing chromium. 1,795,481; Mar. 10.
Eavenson, Howard N., Pittsburgh, Pa. Apparatus for taking samples of coal and the like. 1,820,381; Aug. 25.
Eavenson, Howard N., & Associates, Mining Engineers. (See Hicks, John R., assignor.)
Eaves, Ralph E., Boston, Mass. Combined glare preventer and windshield wiper for automobiles. 1,836,110; Dec. 15.
Ebbesen, Alf C., assignor to Orange-Crush Company, Chicago, Ill. Jar. Des. 84,278; June 2.
Ebco Machine Corporation. (See Grupe, William F., assignor.)
Ebco Machine Corporation. (See Karich, Rudolf R., assignor.)
Ebco Machine Corp. (See Schneider, Bernard R., assignor.)
Ebel, William K., Cleveland, and L. C. Milburn, Wickliffe, assignors to The Glenn L. Martin Company, Cleveland, Ohio. Adjustable stabilizer and fin. 1,820,271; Aug. 25.
Ebell, Cornelis G., Haarlem, Netherlands. Pressure molding machine. 1,793,215; Feb. 17.
Ebeling, Charles W., assignor to Phonodisc Corporation, New York, N. Y. Locking device for sound disk records. 1,789,810; Jan. 20.
Ebeling, Charles W., New York, N. Y., assignor to Harrison W. Rogers, Incorporated. Synchronized photographic and sound recording and reproducing mechanism. 1,802,504; Apr. 28.
Ebeling, Charles W., New York, N. Y., assignor to Harrison W. Rogers, Incorporated. Synchronized photographic and sound recording and reproducing mechanism. 1,806,617; May 26.
Ebeling, Charles W., New York, N. Y., assignor to Harrison W. Rogers, Incorporated. Synchronized photography and sound recording and reproducing. 1,816,832; Aug. 4.
Ebeling, Charles W., assignor to General Talking Pictures Corporation, New York, N. Y. Photoelectric cell light ray condenser. 1,828,399; Oct. 20.

Ebensburg Coal Company. (See Fleming, Robert M., assignor.)
Eberhard Faber Pencil Co. (See Huber, Frederick G., assignor.)
Eberhard Faber Pencil Co. (See Myers, Harold L., assignor.)
Eberhard Faber Pencil Co. (See Zoll, Henry, assignor.)
Eberhard, Harmon S., assignor to Caterpillar Tractor Co., San Leandro, Calif. Tractor drive. 1,792,682; Feb. 17.
Eberhard, Heinrich, Berlin, Germany, assignor to Radio Corporation of America. Piezo-electric frequency meter. 1,817,030; Aug. 4.
Eberhard, Heinrich, Berlin-Friedenau, Germany, assignor to Radio Corporation of America. Determining electrical axes in crystals. 1,817,181; Aug. 4.
Eberhard, Heinrich, Berlin-Friedenau, Germany. Visibly indicating piezo electric crystal resonator. 1,830,532; Nov. 3.
Eberhardt, Hermann W., and K. Friedlmaier, Columbus, Ohio. Water power plant. 1,820,652; Aug. 25.
Eberhart, Warren B. (See Bowman, P. J. and W. F., assignors.)
Eberle, John A., assignor to The Perfection Manufacturing Company, St. Louis, Mo. Baby carriage. 1,805,135; May 12.
Eberle, John A., assignor to The Perfection Manufacturing Company, St. Louis, Mo. Child's vehicle. 1,805,136; May 12.
Eberman, George T., Meadville, Pa., assignor to E. P. Smith, Chicago, Ill. Retaining-valve anchor. Re18,027; Apr. 7.
Ebers, Karl, Ahrensburg in Holstein, Germany. Breaking up raw heavy spar. 1,834,772; Dec. 1.
Ebersole, William, Dallas Center, assignor to Des Moines Incubator Company, Des Moines, Iowa. Stock feeder. 1,791,863; Feb. 10.
Eberson, John. (See Ruderman, J., and Eberson.)
Ebert, Albert G. (See Ebert, William H., and A. G.)
Ebert, Bruno, Lossnitz, Germany. Detachable collar. 1,830,507; Nov. 3.
Ebert, Charles F., Pittsburgh, Pa. Safety appliance for submarines. 1,801,768; Apr. 21.
Ebert, Fritz, Oberndorf-on-the-Neckar, Germany. Chain-stitch sewing machine of the zigzag type. 1,792,578; Feb. 17.
Ebert, Georg, and F. A. Fries, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of polymerization products from diolefines. 1,832,450; Nov. 17.
Ebert, Georg, F. A. Fries, and W. Reppe. Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerization products of diolefines. 1,827,285; Oct. 13.
Ebert, Joseph, Westmont, N. J., assignor to The Farastan Company, Philadelphia, Pa. Iodine addition products of quinoline carboxylic acids and derivatives thereof. 1,828,525; Oct. 20.
Ebert, Ludwig, New York, N. Y. Display sign. Des. 82,982; Jan. 6.
Ebert, Ludwig, New York, N. Y. Display sign. Des. 82,983; Jan. 6.
Ebert, William H. and A. G., Kenmore, N. Y. Window-screen mounting. 1,795,715; Mar. 10.
Ebinger, D. A., Sanitary Mfg. Co. (See Ebinger, David H., assignor.)
Ebinger, D. A., Sanitary Mfg. Co., The. (See Smith, Aden E., assignor.)
Ebinger, D. A., Sanitary Manufacturing Company, The. (See Ebinger, David H., assignor.)
Ebinger, David H., assignor to The D. A. Ebinger Sanitary Manufacturing Company, Columbus, Ohio. Wash fountain. Des. 85,516; Nov. 10.
Ebinger, David H., assignor to The D. A. Ebinger Sanitary Mfg. Co., Columbus, Ohio. Heat exchanger for mechanical refrigerating units. 1,825,265; Sept. 29.
Ebinger, David H., assignor to The D. A. Ebinger Sanitary Mfg. Co., Columbus, Ohio. Heat absorption unit. 1,837,416; Dec. 22.
Ebling, Charles W., New York, N. Y. Synchronizing means for motion picture projectors and sound reproducing mechanisms. 1,834,270; Dec. 1.
Ebling, Walter E., New York, assignor to E. P. Reed & Co., Rochester, N. Y. Shoe. Des. 84,519; June 30.
Eby, Eugene D., Pittsfield, Mass., assignor to General Electric Company. Cable type condenser. 1,808,533; June 2.
Eby, Eugene D., Pittsfield, Mass., assignor to General Electric Company. Semistop joint for fluid filled cables. 1,819,881; Aug. 18.
Eby, Eugene D., Pittsfield, Mass., assignor to General Electric Company. Insulated cable joint. 1,819,882; Aug. 18.
Eby, Eugene D., Pittsfield, Mass., assignor to General Electric Company. Variable capacity reservoir. 1,823,731; Sept. 15.
Eby, Eugene D., Pittsfield, Mass., assignor to General Electric Company. Terminal for fluid filled cables. 1,830,533; Nov. 3.
Eby Machinery Company. (See Dunn, Guy A., assignor.)
Ecabert, Walter L., assignor to Baker Ice Machine Co., Inc., Omaha, Nebr. Chain case. 1,788,992; Jan. 13.
Echikson, Elchanan, Newark, N. J. Knife tang. 1,806,244; May 19.
Echodon, Inc. (See Hutchison, Miller R., assignor.)
Echols, Samuel T., St. Louis, Mo. Ice shaver. 1,797,643; Mar. 24.
Echometer Gesellschaft mit beschränkter Haftung. (See Rudolph, W., and Settegast, assignors.)
Eck, Guy E., Manitowoc, Wis. Sprinkler. 1,804,001; May 5.
Eck, Jacques, Los Angeles, Calif. Airplane. 1,804,092; May 5.
Eck, Richard, assignor of one-half to F. A. R. Gäbel, Dresden, Germany. Electrically operated windlass. 1,810,821; June 16.
Eckardt, William F. (See Hudson, W. L., and Eckardt.)
Eckart, George F., Chicago, Ill. Six wheel vehicle. 1,837,417; Dec. 22.
Eckberg, Rudolph A., Kansas City, Mo. Roofing. 1,822,134; Sept. 8.
Eckel, Henry, and H. Schuenhoff, Hamilton, Ontario, Canada. Life saving device for submarines. 1,815,350; July 21.
Eckell, Johannes, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of compounds containing active oxygen. 1,792,633; Feb. 17.
Eckels, Parl O., Dallas, Tex. Valve grinder. 1,793,308; Feb. 17.
Ecker, Earl, Spokane, Wash. Bed lamp. Des. 85,517; Nov. 10.
Eckersley, James E., Aberdeen, assignor of one-half to A. Polson, Hoquiam, Wash. Circular knife for wood-cutting machines. 1,788,456; Jan. 13.
Eckersley, James E., Aberdeen, assignor of one-half to A. Polson, Hoquiam, Wash. Set works for wood cutting machines. 1,806,526; May 19.
Eckert, Edna, Newark, N. J. Shrine. 1,794,109; Feb. 24.
Eckert, Wilhelm, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Acid wool dyestuffs and preparing them. 1,796,011; Mar. 10.
Eckert, Wilhelm, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Amino-naphthalamido-sulphonic acid compounds and preparing same. 1,796,012; Mar. 10.
Eckert, Wilhelm, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Nitrogen-containing vat dyestuffs of the naphthoylene-diarylimidazol series and preparing them. 1,819,082; Aug. 18.
Eckert, Wilhelm, and C. E. Müller, Frankfort-on-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyed cellulose esters or ethers and producing the dyeings. 1,836,529; Dec. 15.
Eckhard, John, Cincinnati, Ohio. Fluid or hydraulic shock absorber. 1,812,519; June 30.
Eckhard, John, assignor to Star Laundry Machine Corporation, Buffalo, N. Y. Washing machine. 1,787,427; Jan. 6.
Eckhard, William K., Dunellen, N. J., assignor to R. Hoe & Co. Inc., New York, N. Y. Timing mechanism for printing machines. 1,818,312; Aug. 11.
Eckhard, William K., Dunellen, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Printing machine. 1,824,200; Sept. 22.
Eckhard, William K., Dunellen, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Gripper mechanism for printing machines. 1,832,284; Nov. 17.
Eckhardt, Walter L., Philadelphia, Pa. Sound generator for automobiles. 1,815,552; July 21.
Eckhardt, Walter L., Philadelphia, Pa. Sound generator. 1,815,553; July 21.
Eckland, Emil O. (See Young, W. H., and Eckland.)
Eckland, Emil O., and W. H. Young, Chicago, Ill. Ribbon inking device. 1,832,007; Nov. 17.
Eckland, Peter S., Minneapolis, Minn. Laminated construction. 1,795,716; Mar. 10.
Eckles, Noble, assignor of one-half to J. W. Bour, Los Angeles, Calif. Refrigerating device. 1,822,586; Sept. 8.
Eckman, Meril L., Detroit, Mich. Transformer. 1,790,906; Feb. 3.
Eckmann, Charles H., Detroit, Mich. Cigarette-vending machine. 1,793,165; Feb. 17.
Eckmann, Charles H., Detroit, Mich. Coin-operating device for vending machines. 1,793,166; Feb. 17.
Eckoldt, Erich, Dresden, Germany. Making sodium fluoride. 1,809,476; June 9.
Eckstein, Reuben, New York, N. Y. Electric socket. 1,789,582; Jan. 20.
Eckstein, Reuben, New York, N. Y. Electrical socket. 1,807,588; June 2.
Eckstein, Reuben, New York, N. Y. Terminal outlet fitting. 1,812,396; June 30.
Eckstein, Reuben, New York, N. Y. Electric lamp socket. 1,812,434; June 30.
Eckstein, Reuben, New York, N. Y. Portable electric lighting outfit. 1,818,884; Aug. 11.
Eckstine, Fred G., assignor of one-half to C. Benedict, Los Angeles, Calif. Metering valve. 1,805,733; May 19.
Eclipse Air Brush Company. (See Downs, Austin H., assignor.)
Eclipse Aviation Corporation. (See Nowosielski, Edward B., assignor.)
Eclipse Lawn Mower Company. (See Roth, Lester B., assignor.)

Eclipse Machine Company. (See Chilton, Roland, assignor.)
Eclipse Machine Company. (See Kirkham, Charles B., assignor.)
Eclipse Machine Company. (See Lansing, Raymond P., assignor.)
Eclipse Machine Company. (See Marcus, Charles, assignor.)
Eclipse Machine Company. (See McGrath, William L., assignor.)
Eclipse Machine Company. (See Nowosielski, Edward B., assignor.)
Eclipse Machine Company. (See Richards, Julius H., assignor.)
Eclipse Machine Company. (See Ringwald, Clarence, assignor.)
Eclipse Machine Company. (See Whitney, Maurice P., assignor.)
Eclipse Petrol Economiser System Company, The. (See Godward, Ernest R., assignor.)
Eclipse Textile Devices, Inc. (See Garey, John P., and Hasbrouck, assignors.)
Eclipse Textile Devices, Incorporated. (See Gere, Ward N., assignor.)
Eclipse Textile Devices, Inc. (See Hasbrouck, L. B., and Garey, assignors.)
Eclipse Textile Devices, Inc. (See Hasbrouck, Louis B., assignor.)
Eclipse Textile Devices, Inc. (See Mann, John V., assignor.)
Economes, John N., Washington, D. C. Movable sign. 1,799,890; Apr. 7.
Economics Laboratory, Inc. (See Murray, Robert C., assignor.)
Economos, John N., Washington, D. C. Time controlled switch. 1,797,079; Mar. 17.
Economy Baler Company. (See Barrows, A. C., Langford, and Burby, assignors.)
Economy Baler Company. (See Barrows, A. C., McLean, and Langford, assignors.)
Economy Baler Company. (See Haines, H. L., and Mickle, assignors.)
Economy Baler Company. (See Langford, G. W., Barrows, and McLean, assignors.)
Economy Electric Devices Co. (See Gould, L. E., and Lake, assignors.)
Economy Fuse and Manufacturing Company. (See Cherry, Oscar A., assignor.)
Economy Fuse & Manufacturing Company. (See Cherry, O. A., and Kurath, assignors.)
Economy Fuse and Manufacturing Company. (See Cuthbert, John, assignor.)
Economy Fuse and Manufacturing Company. (See Kurath, Franz, assignor.)
Economy Fuse and Manufacturing Company. (See Lindsay, William, assignor.)
Economy Housing Co. (See Rowles, Walter M., assignor.)
Economy Irrigation Company. (See McJannet, William J., assignor.)
Economy Irrigation Company. (See Todd, William C., assignor.)
Economy Pump and Oil Tool Company. (See Taylor, James W., assignor.)
Ecremeuses Melotte, Societe Anonyme. (See Henrard, Fernand, assignor.)
Edahl, Knute. (See Isacson, F. A., and Edahl.)
Edahl, Knute, Chicago, Ill. Doorpost and side-plate connection. 1,792,151; Feb. 10.
Eddy, Carl L., Chicago, Ill. Four-wheel hydraulic brake. 1,795,299; Mar. 10.
Eddy, Harold C. (See Worthington, J. T., and Eddy.)
Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrating apparatus having preliminary agglomerator. 1,796,750; Mar. 17.
Eddy, Harold C., Los Angeles, Calif., assignor to Petroleum Rectifying Company of California. Insulator. 1,807,781; June 2.
Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Filtration process of breaking emulsions. 1,807,833; June 2.
Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Removing a salt from oil. 1,825,309; Sept. 29.
Eddy, Harold C., Los Angeles, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Salvaging oil from sludge. 1,826,276; Oct. 6.
Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Treater for intermittently treating fluids. 1,838,375; Dec. 29.
Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Treater having centrifugal dry oil circulation. 1,838,376; Dec. 29.
Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Apparatus for dehydrating petroleum oil. 1,838,909; Dec. 29.
Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Method of and apparatus for dehydrating petroleum oil. 1,838,910; Dec. 29.
Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrator having two live electrodes. 1,838,911; Dec. 29.
Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Compound field dehydrator. 1,838,912; Dec. 29.
Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrator. 1,838,913; Dec. 29.
Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Intermittent treater. 1,838,914; Dec. 29.
Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Single electrode treater. 1,838,915; Dec. 29.
Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Combined washer and dehydrator. 1,838,916; Dec. 29.
Eddy, Harold C., Los Angeles, J. T. Worthington, and F. D. Mahone, Long Beach, assignors to Petroleum Rectifying Company of California, Los Angeles, Calif. Double-field dehydrator. 1,838,917; Dec. 29.
Eddy, Roy E., Kansas City, Mo. Tire chain. 1,817,547; Aug. 4.
Eddy, William O., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrator having various intermittent voltages. 1,838,374; Dec. 29.
Eddy, William O., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Rotating disk dehydrator. 1,838,918; Dec. 29.
Eddy, William O., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrator having rotatable emulsion distributor. 1,838,919; Dec. 29.
Eddy, William O., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Electrical dehydrator having blade electrode. 1,838,920; Dec. 29.
Edel, Walter L. (See Miller, E. B., and Edel.)
Edel, Walter L., New Haven, Conn., assignor, by mesne assignments, to Frigidaire Corporation. Pressure operated control mechanism. 1,804,599; May 12.
Edeleanu Gesellschaft m. b. H. (See Edeleanu, Lazar, assignor.)
Edeleanu, Lazar, Berlin-Charlottenburg, assignor to Edeleanu Gesellschaft m. b. H., Berlin, Germany. Dewaxing mineral oils. 1,809,777; June 9.
Edelheit, Sol, New York, N. Y. Rack. 1,835,764; Dec. 8.
Edelman, Henry, Philadelphia, Pa. Antisiphon trap for draining systems. 1,796,685; Mar. 17.
Edelman, Philip E., Chicago, Ill. Electrical carburetor starter. 1,824,985; Sept. 29.
Edelman, Philip E., Chicago, Ill., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Capacity stabilizing device. 1,822,728; Sept. 8.
Edelmann, E., & Co. (See Edelmann, Leo, assignor.)
Edelmann, E., & Co. (See Edelmann, L., and Eden, assignors.)
Edelmann, Joseph A., Union, N. J. Tire spreader. 1,815,764; July 21.
Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Syringe hydrometer. 1,800,138; Apr. 7.
Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Hydrometer. 1,800,139; Apr. 7.
Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Bearing antirattler. 1,822,479; Sept. 8.
Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Protecting means for frangible floats. 1,822,481; Sept. 8.
Edelmann, Leo, and H. W. Eden, assignors to E. Edelmann & Co., Chicago, Ill. Luggage carrier. 1,822,480; Sept. 8.
Edelson, Charles Z., Portland, Oreg., J. Goldeen, Oakland, Calif.; and M. D. Tarlow, Portland, Oreg. Mattress. 1,791,237; Feb. 3.
Edelson, Leon. (See Winkler, Stephen, assignor.)
Edelson, Leon, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Latch mechanism. 1,820,058; Aug. 25.
Eden, Harold W. (See Edelmann, L., and Eden.)
Edens, Gussie T., Big Lake, Tex. Lingerie fastener. 1,793,847; Feb. 24.
Ederer, Lothar A., assignor to R. J. Ederer Co., Chicago, Ill. Net piler. 1,831,849; Nov. 17.
Ederer, Lother A. (See Sanner, Hulbert, assignor.)
Ederer, R. J., Co. (See Ederer, Lothar A., assignor.)
Edes, Dana H., et al. (See Chenery, Henry L., assignor.)
Edgar, Frank M. (See Schnell, W., and Edgar.)
Edgar, Frank M. (See Simpson, E. G. and Edgar.)
Edgar, Frank M., and J. B. Flynn, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Smoking case. 1,802,710; Apr. 28.
Edgar, George, Pensacola, Fla. Sealing plug and applying means therefor. 1,794,369; Mar. 3.
Edgar, Jacob F., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,808,028; June 2.
Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Art of grinding hobs. Re18,246; Nov. 10.
Edgar, John, assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Hob grinding machine. Re18,247; Nov. 10.
Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Machine for relieving cutters. 1,809,377; June 9.

Edgar, Joseph C., St. Joseph, Mo., assignor of one-half to E. H. Wardwell, New York, N. Y. Sheet material and making the same. 1,814,133; July 14.
Edgar, Paul T., Arcola, Ill. Bottle cleaning brush. 1,827,569; Oct. 13.
Edgar, Robert L., assignor to The Watt Car and Wheel Co., Barnesville, Ohio. Mine car. 1,797,644; Mar. 24.
Edgarton, William L., Berwyn, Ill. Type holder. 1,788,665; Jan. 13.
Edgarton, William L., Berwyn, Ill. Inking pad. 1,815,371; July 21.
Edgcumbe-Rendle, William E., London, England. Road and rail vehicle. 1,800,009; Apr. 7.
Edge Moor Iron Company. (See Falla, Fernando, assignor.)
Edge Moor Iron Company. (See Locke, Walter, assignor.)
Edgemont Machine Company, The. (See Anglemyer, Carl M., assignor.)
Edge, W. C., Jewelry Co. (See Miller, Henry, assignor.)
Edge, W. C., Jewelry Co. (See Schulte, Fritz, assignor.)
Edge, Walter S., Westfield, N. J. Metal rod for building construction, etc. 1,821,696; Sept. 1.
Edgerton, Arthur H., Lakewood, assignor to The White Motor Company, Cleveland, Ohio. Brake mechanism. 1,798,933; Mar. 31.
Edgerton, Arthur H., Lakewood, assignor to The White Motor Company, Cleveland, Ohio. Brake mechanism. 1,808,947; June 9.
Edgerton, Gilbert E., et al. (See Sherry, Phillip G., assignor.)
Edgerton, Israel V., assignor to Palace Poultry Car Company, Chicago, Ill. Compartment lock for poultry cars. 1,818,052; Aug. 11.
Edgerton, Israel V., assignor to Palace Poultry Car Company, Chicago, Ill. Guard for poultry cars. 1,838,175; Dec. 29.
Edgerton Manufacturing Company. (See Strombeck, Carl O., assignor.)
Edgerton, Orlando V., West Branch, Iowa. Road map for automobiles. 1,823,825; Sept. 15.
Edgewater Steel Company. (See Bell, Frank B., assignor.)
Edgewater Steel Company. (See Bell, F. B., and Dunham, assignors.)
Edgewater Steel Company. (See Bell, F. B., and Wikander, assignors.)
Edgewater Steel Company. (See Wikander, Oscar R., assignor.)
Edgren, Robert, Reno, Nev. Road-breaking device. 1,798,975; Mar. 31.
Edhlund, Henry E., Newport, Minn. Safety appliance for push-button stations. 1,801,228; Apr. 14.
Edison Electric Appliance Company. (See Jelinek, Gustav A., assignor.)
Edison Electric Appliance Company. (See McCormick, Francis H., assignor.)
Edison Electric Appliance Company. (See Peterson, Edwin A., assignor.)
Edison General Electric Appliance Company. (See Cuffe, Frederick W., assignor.)
Edison General Electric Appliance Company. (See Patten, Raymond E., assignor.)
Edison, Sylvan M., Rockford, Ill. Denture brush 1,812,626; June 30.
Edison, Thomas A., Incorporated. (See Dunning, Orville M., assignor.)
Edison, Thomas A., Incorporated. (See Durand, Nelson C., assignor.)
Edison, Thomas A., Incorporated. (See Durand, N. C., and Langley, assignors.)
Edison, Thomas A., Incorporated. (See Edison, Thomas A., assignor.)
Edison, Thomas A., Incorporated. (See Huenlish, Charles, assignor.)
Edison, Thomas A., Incorporated. (See Jacobs, Charles T., assignor.)
Edison, Thomas A., Incorporated. (See Jensen, Gustav B., assignor.)
Edison, Thomas A., Incorporated. (See Moore, Sherwood T., assignor.)
Edison, Thomas A., Incorporated. (See Neef, Adolph J., assignor.)
Edison, Thomas A., Incorporated. (See Payne, P. D., and Iversen, assignors.)
Edison, Thomas A., Incorporated. (See Schallis, Charles A., assignor.)
Edison, Thomas A., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Dynamo electric machine. 1,829,856; Nov. 3.
Edison, Thomas A., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electroplating apparatus. 1,836,066; Dec. 15.
Edison, William L., assignor to The W. L. Edison Manufacturing Corporation, Wilmington, Del. Signaling system. 1,800,821; Apr. 14.
Edison, William L., assignor to The W. L. Edison Manufacturing Corporation, Wilmington, Del. Signaling system. 1,815,055; July 21.
Edison, W. L., Manufacturing Corporation, The. (See Edison, William L., assignor.)
Edlich, Paul, Delawanna, N. J. Clip chain for tentering machines. 1,800,515; Apr. 14.
Edlund, Henry J., Burlington, Vt. Egg beater. 1,789,224; Jan. 13.
Edmands, John W. (See Wedger, W. L., and Edmands.)
Edmands, William H. (See McFadyen, John C., assignor.)
Edmiston, Edward E., and W. B. Read, Cleveland, Ohio. Inking roller. 1,788,455; Jan. 13.
Edmiston, Maurice O., St. Louis, Mo. Lubricant. 1,810,555; June 16.
Edmond, William Z., Speed, Kans. Churn. 1,795,252; Mar. 3.
Edmonds, George P., assignor to G & W Electric Specialty Company, Chicago, Ill. Electrical connecter. 1,801,269; Apr. 21.
Edmonds, George P., assignor to G. and W. Electric Specialty Company, Chicago, Ill. Distribution switch. 1,807,030; May 26.
Edmonds, William J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Water-gas process. 1,799,359; Apr. 7.
Edmonds, William J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Apparatus and process for preserving liquid carbon dioxide. 1,835,699; Dec. 8.
Edmonds, William J., Baytown, Tex., and L. A. Stengel, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Synthetic methanol process. 1,797,569; Mar. 24.
Edmonds, William J., and I. J. Krchma, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Separating and recovering acetic and butyric acids. 1,835,700; Dec. 8.
Edmund C. Morgan, deceased, by O. E. Morgan, executrix, New York, N. Y. Mining machine. 1,808,858; June 9.
Edmunds, Amasa, Milwaukee, Wis. Container. 1,807,589; June 2.
Edmunds, Glenn E., assignor to The Bonney-Floyd Company, Columbus, Ohio. Mine-car bumper. 1,800,932; Apr. 14.
Edmunds, Glenn E., assignor to The Bonney-Floyd Company, Columbus, Ohio. Replaceable excavator tooth. 1,815,649; July 21.
Edmunds, Glenn E., assignor to The Bonney-Floyd Company, Columbus, Ohio. Replaceable excavator tooth. 1,834,391; Dec. 1.
Edmunds, Glenn E., assignor to The Bonney-Floyd Company, Columbus, Ohio. Excavating implement. 1,835,701; Dec. 8.
Edmunds, Howard M., New York, N. Y., assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Change speed gearing. 1,811,921; June 30.
Edmunds, Lewis J. (See Sundberg, G. W., and Edmunds.)
Edna Brass Manufacturing Company, The. (See Corey, Elmer O., assignor.)
Edo Aircraft Corporation. (See Korvin-Kroukovsky, Boris V., assignor.)
Edo Aircraft Corporation. (See Korvin-Kroukovsky, B. V., and Vosler, assignors.)
Edsall, William S., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electric switch. 1,789,520; Jan. 20.
Edsall, William S., Brookline, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Counting relay. 1,805,082; May 12.
Edsall, William S., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electric switch. 1,811,665; June 23.
Edsall, William S., Belmont, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Insulating bushing. 1,827,935; Oct. 20.
Edsall, William S., Belmont, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Combined insulating bushing and transformer. 1,827,936; Oct. 20.
Edser, Edwin. (See Broadbridge, W., Edser, and Stenning.)
Edson, Bert, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. Des. 84,185; May 19.
Edson, Bert, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. Des. 84,186; May 19.
Edson, Bert, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. Des. 84,187; May 19.
Edson, Bert, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. Des. 84,407; June 16.
Edson, Elmer R., Portland, Oreg. Safety railway truck. 1,791,663: Feb. 10.
Edson, Elmer R., Portland, Oreg. Railway crossover. 1,800,722; Apr. 14.
Edson, Elmer R., Portland, Oreg. Guard wheel for safety railway trucks. 1,804,600; May 12.
Edstedt, John, Minneapolis, Minn. Renewable grouser. 1,832,926; Nov. 24.
Edward, Carl. (See Freeland, Albert M., assignor.)
Edward Valve and Manufacturing Company, The. (See Mohr, Walter W.)
Edward Valve and Manufacturing Company, The. (See Mohr, Walter W., assignor.)
Edwards, Albert, assignor to J. W. Wooldridge, Sacramento, Calif. Wrench. 1,810,006; June 16.
Edwards, Alrah B., Abilene, Tex. Eating instrument compact. 1,814,547; July 14.
Edwards, Arthur W. (See Forsman, V. H., Decker, and Edwards.)

Edwards, Carleton B., and H. R. Horner, assignors to Peter C. Reilly, Indianapolis, Ind. Producing carbon and such carbon. 1,789,380; Jan. 20.
Edwards, Charles F. (See Ross, S. D., and Edwards.)
Edwards, Charles R., Houston, Tex. Safety cathead. 1,808,770; June 9.
Edwards, Clarence G., Los Angeles, Calif. Counterthrust pressure motor. 1,794,685; Feb. 24.
Edwards and Company. (See Miller, Christian, assignor.)
Edwards, Curtis H., and R. L. Transtrom, Los Angeles, Calif., assignors, by mesne assignments, to Wayne Company, Fort Wayne, Ind. Dispensing apparatus. 1,811,114; June 23.
Edwards, Edward R. (See Edwards, Harry E., assignor.)
Edwards, Frank W., Chicago, Ill. Terminal valve for force feed lubricators. 1,808,978; June 9.
Edwards, George H., Mill Valley, assignor to Catalina Hats Ltd., San Francisco, Calif. Hat shaping and pressing mold. 1,805,979; May 19.
Edwards, Harry E., assignor of one-half to E. R. Edwards. Sheet conveying rig. 1,830,264; Nov. 3.
Edwards, Henry J., assignor to The Willys-Overland Company, Toledo, Ohio. Engine valve sleeve. 1,809,585; June 9.
Edwards, Herbert E., Brookline, assignor to T. J. Edwards Incorporated, Boston, Mass. Marking device. 1,796,686; Mar. 17.
Edwards, James H., Seattle, Wash., assignor to Remington Typewriter Company, Ilion, N. Y. Combined typewriting and computing machine. 1,803,525; May 5.
Edwards, James H., Passaic, N. J., and R. A. Marble, Ben Avon, Pa., assignors to United States Steel Corporation, New York, N. Y. Rolled H-section. 1,813,118; July 7.
Edwards, James H., Passaic, N. J., and R. A. Marble, Ben Avon, Pa., assignors to United States Steel Corporation, New York, N. Y. Rolled H-section. 1,818,121; Aug. 11.
Edwards, James M., Waterloo, Iowa, assignor to Iowa Dairy Separator Company. Bearing protector. 1,806,748; May 26.
Edwards, James McC., Cedar Heights, assignor to Associated Manufacturers Corporation of America, Waterloo, Iowa. Supply device for centrifugal liquid separators. 1,794,452; Mar. 3.
Edwards, Jonathan P. (See Mead, Edward S., assignor.)
Edwards Junius D. (See Taylor, C. S., and Edwards.)
Edwards, Junius D., Oakmont, Pa. Producing printing plates. 1,804,920; May 12.
Edwards Manufacturing Company, The. (See Brown, Silas B., assignor.)
Edwards Manufacturing Company, The. (See Myers, George D., assignor.)
Edwards Manufacturing Company, The. (See Myers, G. D., Edwards, and Hobing, assignors.)
Edwards Manufacturing Company, The. (See Myers, G. D., and Richmond, assignors.)
Edwards Manufacturing Company, The. (See Richmond, Samuel, assignor.)
Edwards, O. M. Company, Inc., The. (See Axe, Roy T., assignor.)
Edwards, O. M., Company Inc., The. (See Cronmiller, H. A., and Chaffee, assignors.)
Edwards, O. M., Company Inc., The. (See Edwards, Oliver M., assignor.)
Edwards, O. M., Company Inc., The. (See Edwards, O. M., and Chaffee, assignors.)
Edwards, Oliver M., assignor to The O. M. Edwards Company Inc., Syracuse, N. Y. Window construction. 1,837,028; Dec. 15.
Edwards, Oliver M., and E. F. Chaffee, assignors to The O. M. Edwards Company Inc., Syracuse, N. Y. Weather strip construction for window frame and sashes. 1,837,029; Dec. 15.
Edwards, Osbert L., assignor of one-half to J. B. Haywood, Hopewell, Va. Combination foot piece for folding recess-type beds. 1,800,610; Apr. 14.
Edwards, Paul G., Bloomfield, and H. W. Herrington, Upper Montclair, N. J., assignors to American Telephone and Telegraph Company. Testing system. 1,832,969; Nov. 24.
Edwards, Reid A., Albert Lea, Minn. Bar cutter. 1,814,790; July 14.
Edwards, Russell P., Royal Oak, and E. W. Seaholm, Birmingham, assignors to General Motors Corporation, Detroit, Mich. Automatically lubricated fan. 1,835,560; Dec. 8.
Edwards, T. J., Incorporated. (See Edwards, Herbert E., assignor.)
Edwards, Valentin W. (See Denniss, A. J., and Edwards.)
Edwards, Van E., Springfield, Ill. Trihydro dirigible and airplane. 1,812,627; June 30.
Edwards, Victor E. (See Tobin, K. J., and Edwards.)
Edwards, W. A., et al. (See Shea, John H., assignor.)
Edwards, Walter A. (See Myers, G. D., Edwards, and Hobing.)
Edwards, William A., assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel-feeding device. 1,788,710; Jan. 13.
Edwards, William A., Chicago, Ill. Duplex fuel supplying apparatus for internal combustion engines. 1,804,754; May 12.
Edwards, William A., Chicago, Ill. Radiator shutter control for conserving heat. 1,806,153; May 19.
Edwards, William A., Chicago, Ill. Radiator shutter throttle control. 1,812,869; July 7.
Edwards, William A., Chicago, Ill. Fuel intake controlling device for internal combustion engines. 1,812,939; July 7.
Edwards, William A., assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel feeding device. 1,819,236; Aug. 18.
Edwards, William A., Chicago, Ill. Direct fuel feeding system. 1,838,137; Dec. 29.
Edwards, William E., Maplewood, N. J., assignor to G. E. Bradbrook, New York, N. Y. Key container. 1,837,151; Dec. 15.
Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Telephone circuit. 1,792,579; Feb. 17.
Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Selective ringing system. 1,795,389; Mar. 10.
Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Variable resistance device. 1,809,925; June 16.
Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Phonograph reproducer. 1,819,083; Aug. 18.
Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Repeater apparatus. 1,823,933; Sept. 22.
Edwards, William H., Great Neck, N. Y., assignor to American Telephone and Telegraph Company. Impedance modifying device. 1,836,109; Dec. 15.
Edwards, William H., Bayside, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 1,793,598; Feb. 24.
Edwards, William J., assignor to Clark Machine Company, Wichita Falls, Tex. Friction reverse attachment. 1,787,571; Jan. 6.
Edwards, William K., Big Spring, Tex. Lock for rod couplings. 1,808,299; June 2.
Edwards, William K., Big Spring, Tex. Tank valve. 1,821,622; Sept. 1.
Edwards, William W., Los Angeles, Calif. Drill press feed. 1,827,937; Oct. 20.
Edwardsen, John H., Chicago, Ill. Milling machine head. 1,837,766; Dec. 22.
Edwin, Emil., Trondhjem, Norway, assignor to Fried Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Packing. 1,814,908; July 14.
Edwin, Emil, Trondhjem, assignor to Norsk Staal Elektrisk-Gas-Reduktion, Oslo, Norway. Shaft furnace for treating solid materials with gases. 1,829,268; Oct. 27.
Edwinson, Louis A., Topeka, Kans., assignor of one-half to E. A. Snyder, Great Falls, Mont. Automatic valve. 1,835,027; Dec. 8.
Eeja Auto Accessories Company. (See Small, Edward A., assignor.)
Eesti Patendi Aktsiaselts. (See Kulzinski, Nstislav, assignor.)
Efcolite Corporation. (See Von Nessen, Walter, assignor.)
Effenare Manufacturing Company, The. (See Reichart, William M., assignor.)
Effront, Ivan A. (See Boidin, A. R., and Effront.)
Eftihios, Kosmos, New Orleans, La. Phonograph attachment. 1,811,003; June 23.
Egan Cotton Mills. (See Willingham, Baynard, assignor.)
Egan, George F., Jersey City, N. J. Switch. 1,789,865; Jan. 20.
Egan, George F., Jersey City, N. J. Sewer construction. 1,793,599; Feb. 24.
Egan, John J., Brooklyn, N. Y., assignor to Electro Metallurgical Company. Case hardening. 1,793,309; Feb. 17.
Egan, John J., Brooklyn, N. Y., assignor to Electro Metallurgical Company. Case hardening. 1,837,256; Dec. 22.
Egan, Mathew M., Fort Worth, Tex. Planetary parking apparatus. 1,800,059; Apr. 7.
Egan, Mathew M., Fort Worth, Tex. Airship. 1,809,680; June 9.
Egeland, Peter A., St. Paul, Minn. Advertising display mechanism. 1,809,162; June 9.
Egenfeldt-Olsen, Poul E., Copenhagen, Denmark. Device for cleansing the air. 1,838,863; Dec. 29.
Egenolf, George J., assignor to The J. L. MacDaniel Printing Company, Inc., Indianapolis, Ind. Folding and wrapping machine. 1,787,817; Jan. 6.
Eger, Ernst, assignor to Morgan & Wright, Detroit, Mich. Inner tube protector. 1,822,568; Sept. 8.
Egerer, August, Great Neck, N. Y. Sweater or article of similar nature. Des. 84,135; May 12.
Egerer, August, Great Neck, N. Y. Sweater or article of similar nature. Des. 84,136; May 12.
Egerer, August, Great Neck, N. Y. Sweater or article of similar nature. Des. 84,137; May 12.
Egerer, Georg W. (See Schulze, J. C., and Egerer.)
Egg, Hartmann, Zurich, assignor to Maschinenfabrik Oerlikon, Oerlikon, near Zurich, Switzerland. Arrangement for converting direct current into alternating current by means of electric vacuum valves. 1,788,426; Jan. 13.
Egger, Albert, assignor to U. Bugmann, Aarau, Switzerland. Device for connecting measuring instruments and meters to electrical alternating-current. 1,788,567; Jan. 13.
Egger, Paul R., Davenport, Iowa. Television apparatus. 1,792,683; Feb. 17.

Eggers, Henry, Denver, Colo. Car-operated mechanism for opening and closing garage doors. 1,789,674; Jan. 20.

Eggerss, Hans A., Van Wert, Ohio. Container structure. 1,815,970; July 28.

Eggerss, Hans A., Van Wert, Ohio. Container. 1,824,986; Sept. 29.

Eggert, Gustav B., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Proofer. 1,823,441; Sept. 15.

Eggert, John, Leipzig, and R. Schmidt, Dessau in Anhalt, assignors to I. F. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Sound box membrane. 1,824,664; Sept. 22.

Eggert, Joseph, assignor to The Jaeger Machine Company, Columbus, Ohio. Self cleaning mixing drum. 1,812,823; June 30.

Eggert, Joseph, assignor to The Jaeger Machine Company, Columbus, Ohio. Cover for the discharge openings of concrete mixing drums. 1,825,614; Sept. 29.

Eggert, Joseph, assignor to The Jaeger Machine Company, Columbus, Ohio. Charging concrete mixing or transporting vessels. 1,827,713; Oct. 13.

Eggler, Frederic B., Goppingen, Germany. Dental apparatus. 1,805,309; May 12.

Eggleston Drilling Corporation. (See Smith, Eggleston, assignor.)

Eggleston, Lewis W., Clarence Township, Erie County, N. Y., assignor to American Radiator Company, New York, N. Y. Controlling combustion. 1,788,357; Jan. 6.

Eggleston, Lewis W., Clarence Township, Erie County, and E. J. Dillman, Kenmore, N. Y., assignors to American Radiator Company, New York, N. Y. Motor-operated device. 1,793,226; Feb. 17.

Eggleston, Lewis W., Detroit, Mich., assignor to American Radiator Company, New York, N. Y. Valve. 1,804,462; May 12.

Eggleston, Lewis W., Detroit, Mich., assignor to American Radiator Company, New York, N. Y. Refrigerating unit. 1,813,486; July 7.

Eggleston, Lewis W., Detroit, Mich., assignor to American Radiator Company, New York, N. Y. Float valve. 1,832,693; Nov. 17.

Egizio, Joseph C., Allentown, Pa. Bottle. Des. 85,369; Oct. 20.

Egler, Andrew G., Youngstown, Ohio. Electrically welded jarred steel pipe. 1,829,638; Oct. 27.

Egler, Niklas F., Monessen, Pa. Open-hearth furnace. 1,798,871; Mar. 31.

Egler, Niklas F., Monessen, assignor to Insulated Top Company, Pittsburgh, Pa. Hot top. 1,794,840; Mar. 3.

Egli, Arnold, Hamburg, Germany. Intaglio printing machine. 1,810,470; June 16.

Egli, Constant A., Weehawken, N. J. Lamp stand. Des. 84,685; July 21.

Egli, Eduard, and E. Schoch, assignors to Maschinenfabrik Rüti vormals Caspar Honegger, Rüti, Switzerland. Shuttle-guard for looms. 1,812,236; June 30.

Egli, Ernst, assignor to Maschinenfabrik Rüti vormals Caspar Honegger, Ruti, Switzerland. Magazine for shuttle bobbins for automatic looms. 1,823,791; Sept. 15.

Egli, Huldreich, Baltimore, Md. Surface conditioner. 1,814,028; July 14.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Production of motor fuel. 1,800,822; Apr. 14.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treating petroleum products. 1,800,823; Apr. 14.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking petroleum. 1,803,963; May 5.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Desulphurizing cracked hydrocarbons. 1,803,964; May 5.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking petroleum oil. 1,806,618; May 26.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for catalytically treating hydrocarbon oil. 1,810,648; June 16.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus and process for treating hydrocarbons. 1,810,700; June 16.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,821,747; Sept. 1.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,821,748; Sept. 1.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,821,749; Sept. 1.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,821,750; Sept. 1.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Converting petroleum oil. 1,822,924; Sept. 15.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking petroleum oil. 1,828,362; Oct. 20.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for cracking oil. 1,832,970; Nov. 24.

Egloff, Gustav, Independence, Kans., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for cracking oil. 1,821,746; Sept. 1.

Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for cracking oil. 1,791,617; Feb. 10.

Egloff, Gustav, and J. C. Morrell, assignors to Universal Oil Products Company, Chicago, Ill. Converting hydrocarbon oil. 1,791,618; Feb. 10.

Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for cracking oil. 1,805,614; May 19.

Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon products. 1,805,615; May 19.

Egloff, Gustav, and J. C. Morrell, assignors to Universal Oil Products Company, Chicago, Ill. Treating petroleum oil. 1,805,616; May 19.

Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for treating hydrocarbon oil. 1,806,619; May 26.

Egloff, Gustav, and H. P. Benner, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill. Dephlegmating apparatus. 1,812,261; June 30.

Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbon oils. 1,827,883; Oct. 20.

Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oils. 1,832,927; Nov. 24.

Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oils. 1,832,928; Nov. 24.

Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for cracking hydrocarbon oils. 1,835,765; Dec. 8.

Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Treating emulsified hydrocarbon oil. 1,839,090; Dec. 29.

Egolf, Arthur T., La Porte, Ind. Internal-combustion engine. 1,789,225; Jan. 13.

Egry Register Company, The. (See Neth, George J., assignor.)

Egry Register Company, The. (See Pfeiffer, Frank E., assignor.)

Egry Register Company, The. (See Pfeiffer, Frank E. and W. C., assignors.)

Egry Register Company, The. (See Rowe, Clement J., assignor.)

Egry Register Company, The. (See Schneider, Max, assignor.)

Egry Register Company, The. (See Stern, M. C., and Pfeiffer, assignors.)

Eguren, Aurelio R., Paris, France. Safety button. 1,802,885; Apr. 28.

Egyesult Izzolampa es Villamossayi Reszvenytarsasag. (See Selenyi, Paul, assignor.)

Ehemann, Joseph J., sr., and B. F. Singer, Lancaster, Pa. Safety device. 1,798,318; Mar. 31.

Ehemann, Joseph J., and B. F. Singer, Lancaster, Pa. Safety device. 1,807,690; June 2.

Ehemann, Joseph J., sr., and B. F. Singer, Lancaster, Pa. Safety device. 1,829,478; Oct. 27.

Ehlefeld, John C., Danville, Ill. Sign. 1,825,996; Oct. 6.

Ehler, William J. (See Bardsley, H. H., and Ehler.)

Ehlers, Edward, Rockaway, N. J. Tie for reenforcing rods. 1,816,833; Aug. 4.

Ehlers, Walther, Berlin-Copenick, Germany, assignor, by mesne assignments, to General Electric Company. Magnet core. 1,812,740; June 30.

Ehlig, Harry, Pearl River, assignor to Dexter Folder Company, New York, N. Y. Sheet feeder. 1,829,984; Nov. 3.

Ehmann, Julius, Newark, N. J. Eyelash and eyebrow colorer. 1,795,482; Mar. 10.

Ehmig, Victor, La Garenne Colombes, France. Construction of aeroplanes. 1,807,203; May 26.

Ehnbom, Bo K. G., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,805,656; May 19.

Ehnert, August, Kiel, Wis. Wheelbarrow. 1,819,951; Aug. 18.

Ehrenfeld, Arthur, New York, N. Y., assignor to Francis H. Leggett and Company, Inc. Carton. Des. 84,138; May 12.

Ehrenfried, Albert, Boston, Mass. Shoe heel. 1,809,405; June 9.

Ehrenhaft, Franz, Berlin-Lichtenberg, Germany. Method of and apparatus for making photophonographic records. 1,826,754; Oct. 13.

Ehret, Clement, White Plains, N. Y., assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,835,852; Dec. 8.

Ehrhardt, Alfred. (See Nawiasky, P., Braunsdorf, and Ehrhardt.)

Ehrhart, Eugene N., Brooklyn, and L. Wickenden, Manhasset, N. Y., assignors to J. J. Naugle, Greenwich, Conn. Preparing refined sirups. 1,826,655; Oct. 6.

Ehrhart, Gustav. (See Lautenschläger, C. L., Bockmühl, Ehrhart, and Schwarz.)

Ehrhart, Josef. (See Schneider, E., Ehrhart, and Kreitner.)

Ehrhart, Raymond N., Pittsburgh, assignor to Elliott Company, Jeannette, Pa. Heat exchanger. 1,788,486; Jan. 13.

Ehrhart, Raymond N., Edgewood, assignor to Elliott Company, Pittsburgh, Pa. Apparatus for measuring fluids. 1,826,422; Oct. 6.
Ehrhart, Raymond N., assignor to Elliott Company, Pittsburgh, Pa. Apparatus for evaporating liquid. 1,831,233; Nov. 10.
Ehrhart, Raymond N., assignor to Elliott Company, Pittsburgh, Pa. Apparatus for evaporating liquid. 1,831,234; Nov. 10.
Ehrhart, William G., Chicago, Ill. Pool table. Des. 84,467; June 23.
Ehricks, Max, assignor to the Firm Rud. Sack, Leipzig-Plagwitz, Germany. Operator for agricultural cultivating implements. 1,807,731; June 2.
Ehrlich, Jacob, Belleville, assignor to Verona Chemical Co., Newark, N. J. Production of aldehydes from propenyl derivatives of aromatic hydrocarbons. 1,801,416; Apr. 21.
Ehrlich, John B., Portland, Oreg. Stoker. 1,797,721; Mar. 24.
Ehrlich, John B., Portland, Oreg. Smokeless fuel economizing furnace. 1,812,940; July 7.
Ehrlich, Louis B., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Frame structure for dynamo-electric machines. 1,822,342; Sept. 8.
Ehrlich, Rose, New York, assignor to Lapin Specialty Mfg. Co., Inc., New York, N. Y. Comb. 1,824,665; Sept. 22.
Eiane, Halvor O., Washington Island, Wis. Radial connecting rod. 1,800,611; Apr. 14.
Eiane, Halvor O., Washington Island, Wis. Radial connecting rod. 1,822,694; Sept. 8.
Eiben, Michael A., Cleveland, Ohio. Method and apparatus for promoting plant growth in greenhouses. 1,826,607; Oct. 6.
Eibuschitz, Rudolf, and H. Schreiber, Jagerndorf, Czechoslovakia. Process and apparatus for knotting pile threads in manufacturing carpets. 1,835,211; Dec. 8.
Eich, Edward J., Shetek, Minn. Automobile choke-actuated mechanism. 1,795,645; Mar. 10.
Eichel, Emil, New York, N. Y. Toothbrush. 1,797,946; Mar. 24.
Eichelgrün, Martin, Frankfort-on-the-Main, Germany. Inclined-plane curved switch. 1,795,112; Mar. 3.
Eichenauer, Konrad, Neu-Rossen, near Merseburg, assignor to Rheinische Metallivaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Calculating machine for all species. 1,808,213; June 2.
Eichenberg, E. E. (See Gray, Joseph H., assignor.)
Eichengrün, Arthur. (See Klausner, S., Eichengrün, and Röhm.)
Eichengrün, Arthur, Charlottenburg, Germany, assignor to Celanese Corporation of America. Production of thin and very thin foils and film-like bands from soluble cellulose derivatives. 1,824,337; Sept. 22.
Eichenlaub, Adelbert C., and H. G. Loeffler, assignors of one-third to C. C. Miller, Des Moines, Iowa. Making Portland cement. 1,832,192; Nov. 17.
Eicher, Harry W., sr., Somerset, Pa. Reversing mechanism. 1,797,080; Mar. 17.
Eichholz, Willy. (See Luettringhaus, A., Neresheimer, and Eichholz.)
Eichholz, Willy, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Derivatives of benzanthrone. 1,815,143; July 21.
Eichhorst, Rudolph W. (See Robison, W., and Eichhorst.)
Eichinger, John. (See Raetz, E. M., and Eichinger.)
Eichler, Fritz, Berlin, H. Grüss, Berlin-Staaken, and M. Schleicher, Berlin-Charlottenburg, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Follow up system. 1,830,987; Nov. 10.
Eichmann, Theophil. (See Rufener H., and Eichmann.)
Eichner, Herman E., Palmyra, N. J. Structural member. 1,798,197; Mar. 31.
Eichner, Laurits C., Bloomfield, assignor to Dressel Railway Lamp & Signal Company, Arlington, N. J. Headlight-focusing device. 1,791,891; Feb. 10.
Eichwede, Heinz. (See Wagner, H., Eichwede, and Fischer.)
Eichwede, Heinz, and E. Fischer, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing cellulose ethers. 1,802,204; Apr. 21.
Eichwewde, Heinz, and E. Fischer, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs from sulphoaryl-3-Carboxylic acid ester-5-pyrazolones. 1,819,547; Aug. 18.
Eickhoff, Theodore H. (See Jeffrey, M. L., Eickhoff, and Sanborn.)
Eickmeyer, Earl E., assignor to The National Pumps Corporation, Dayton, Ohio. Liquid-dispensing apparatus. 1,797,947; Mar. 24.
Eickmeyer, Earl E., assignor to The Dayton Pump and Mfg. Co., Dayton, Ohio. Setting mechanism for pumps. 1,813,347; July 7.
Eickmeyer, Earl E., assignor to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Coin collecting liquid dispensing apparatus. 1,813,348; July 7.
Eickmeyer, Earl E., assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Visible flow device. 1,813,349; July 7.
Eickmeyer, Earl E., assignor to The Dayton Pump & Mfg. Company, Dayton, Ohio. Lubricating system. 1,822,960; Sept. 15.
Eickmeyer, Earl E., assignor to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Casing. 1,825,997; Oct. 6.
Eidhengreen, Hattye, Philadelphia, Pa. Child's garment. 1,829,892; Nov. 3.
Eiermann, Emanuel, Rosedale, N. Y. Lawn edge trimmer. 1,825,146; Sept. 29.
Eifel, Joseph, Chicago, Ill. Loose sheet holder. 1,815,351; July 21.
Eifflaender, Ludwig. (See Lüttringhaus, A., Eifflaender, and Kačer.)
Eifflaender, Ludwig. (See Nawiasky, P., and Eifflaender.)
Eige, Abraham, Jersey City, N. J. Insulation casing for pipe fittings, valves, and the like. 1,814,134; July 14.
Eigenbrot, John L. (See Clarke, E. W., and Eigenbrot.)
Eighmey, David T., Long Island City, assignor to Fairchild Aerial Camera Corporation, New York, N. Y. Film spool. 1,817,134; Aug. 4.
Eilersgaard, Asger, assignor to Link-Belt Company, Chicago, Ill. Positive crowd mechanism. 1,796,285; Mar. 17.
Eilersgaard, Asger, assignor to Link-Belt Company, Chicago, Ill. Excavating machine. 1,817,809; Aug. 4.
Eilertsen, Henry R., Sound Beach, Conn., assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Motor control. 1,795,646; Mar. 10.
Eimer & Amend. (See de Graaf, Gerrit A., assignor.)
Einbinder, Philip H., Denver, Colo. Combined coat and vest. 1,817,302; Aug. 4.
Einfalt, Johann, Nuremberg, Germany. Toy swimming animal. 1,828,034; Oct. 20.
Einfalt, Johann, Nuremberg, Germany. Sheet metal toy ship hull. 1,833,072; Nov. 24.
Einfeldt, Ernest E., Davenport, Iowa, assignor to French & Hecht, Incorporated. Traction wheel construction. 1,803,427; May 5.
Einfeldt, Ernest E., Davenport, Iowa, assignor to French & Hecht, Incorporated. Traction cleat for wheels. 1,829,823; Nov. 3.
Einsler, Otto, Leverkusen, Germany. Arrangement for regulating the discharge of the hot gases in steam-boiler firings. 1,800,212; Apr. 14.
Einsler, Otto, Leverkusen-on-the-Rhine, and H. Tietz, Cologne-Mulheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for condensing condensable vapors. 1,809,926; June 16.
Einson-Freeman Co. (See Einson, Morris M., assignor.)
Einson-Freeman Co. (See Tanner, Arnold J., assignor.)
Einson, Morris M., Yonkers, N. Y., assignor to Einson-Freeman Co., Inc. Shipping and display container. 1,804,826; May 12.
Einson, Morris M., Yonkers, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Display or supporting stand. 1,822,569; Sept. 8.
Einson, Morris M., Yonkers, assignor to Einson-Freeman Co. Inc., Long Island City, N. Y. Display device. 1,822,570; Sept. 8.
Einson, Morris M., Yonkers, assignor to Einson-Freeman Co. Inc., Long Island City, N. Y. Display device. 1,822,571; Sept. 8.
Einson, Morris M., Yonkers, N. Y., assignor to Einson-Freeman Co., Inc. Shipping and display container. 1,835,594; Dec. 8.
Einson, Morris M., Yonkers, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Display or advertising device. 1,838,138; Dec. 29.
Einson, Morris M., Yonkers, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Display or advertising device. 1,838,219; Dec. 29.
Einson, Morris M., Yonkers, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Display or advertising device. 1,838,301; Dec. 29.
Einstein, Max, Hamburg, Germany, assignor to Naamlooze Vennootschap "Delta" Maatschappij voor Commercieele en Industrieele Financiering, Société de Crédit Commercial et Industriel, Amsterdam, Netherlands. Machine for the mechanical extraction of bast from stalks of plants, such as ramie, jute, and mallows. 1,797,763; Mar. 24.
Einstein, Robert E., St. Louis, and B. B. Betts, Webster Groves, Mo. Reversible terminal member for switch points. 1,811,620; June 23.
Einstein, Sol, assignor, by mesne assignments, to Cincinnati Grinders, Incorporated, Cincinnati, Ohio. Centerless grinding machine. 1,814,209; July 14.
Einstein, Sol., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Control mechanism. 1,825,719; Oct. 6.
Eisele, Herman. (See Mears, C. W., and Eisele.)
Eisele, Julius, R. Griessbach, and C. Heuck, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Foam flotation. 1,787,938; Jan. 6.
Eisele, Martin, Graymont, Ill. Pneumatic feeding device for thrashers. Re18,131; July 21.
Eiseman, Robert J., assignor to The K. W. Ignition Corporation, Cleveland, Ohio. Transformer. 1,791,719; Feb. 10.
Eiseman, Robert J., Cleveland, Ohio, assignor to The K-W Ignition Corporation, Cleveland, Ohio. Control system for fuel burners. 1,835,028; Dec. 8.
Eisemann Magneto Corporation. (See Kuehn, George F., assignor.)

Eisemann Magneto Corporation, The. (See Tabb, Warner T., assignor.)
Eisemann, Peter, Richmond Hill, N. Y. Clamping vise. 1,806,527; May 19.
Eisenberg, Charles G., jr. (See Heil, J. P., and Eisenberg.)
Eisenberg, Charles G., jr., assignor to The Heil Co., Milwaukee, Wis. Loan equalizing truck body. 1,816,042; July 28.
Eisenberg, Henry, New York, N. Y. Pipe clamp. 1,824,596; Sept. 22.
Eisenberg, Isidor, Brooklyn, N. Y. Lift truck. 1,824,201; Sept. 22.
Eisenberg, Nathan, Philadelphia, Pa. Game prompter. 1,810,951; June 23.
Eisenberg, Paul, Baltimore, Md. Illuminated sign. 1,788,427; Jan. 13.
Eisenhauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Water softener valve. Re18,098; June 16.
Eisenhauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Water softener. 1,831,656; Nov. 10.
Eisenhauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Electric motor. 1,835,029; Dec. 8.
Eisenhour, Bert E. (See Greaves, V. F., and Eisenhour.)
Eisenhut, August. (See Krauch, C., Pier, and Eisenhut.)
Eisenhut, August. (See Pier, M., Boesler, and Eisenhut.)
Eisenhut, Otto, Heidelberg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of acetylene and hydrogen in the electric arc. 1,794,004; Feb. 24.
Eisenlohr, Friedrich, and C. Uebelen, Stuttgart, Germany, Gerichtsnotar Stellrecht, administrator of said C. Uebelen, deceased; assignors, by mesne assignments, to Norma-Hoffmann Bearings Corporation. Spinning spindle. 1,814,743; July 14.
Eisenlohr, Robert E., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,801,417; Apr. 21.
Eisenmann, Joseph P., Kaylor, S. Dak. Fence post. 1,795,544; Mar. 10.
Eisenmann, Karl. (See Pungs, W., Eisenmann, and Kuchenbuch.)
Eisenstadt, Abraham H., New York, N. Y., assignor to Pacific Mills. Textile fabric. Des. 85,230; Sept. 29.
Eisenstadt, David H. (See Johnson, Charles E., assignor.)
Eisenstadt Manufacturing Company. (See Frech, Albert, assignor.)
Eisenstein, Maxwell, New York, N. Y. Automatic unwinding rule. 1,804,975; May 12.
Eisenwerk Weserhütte Aktiengesellschaft. (See Sölter, H., and Cornelius, assignors.)
Eisleb, Otto, Hofheim, Germany, assignor, by mesne assignments, to Winthrop Chemical Company, New York, N. Y. Substituted 1,3-di-amino-2-propanols. 1,790,042; Jan. 27.
Eisler, Charles, Newark, N. J., assignor to Eisler Electric Corporation. Combined machine for exhausting, bombarding, and sealing off radiotubes, lamp bulbs, and the like. 1,819,597; Aug. 18.
Eisler, Charles, assignor to Eisler Electric Corporation, Newark, N. J. Disk valve for burners. 1,828,493; Oct. 20.
Eisler Electric Corporation. (See Eisler, Charles, assignor.)
Eisler Electric Corporation. (See Laise, Clemens A., assignor.)
Eitzen, August D., assignor to News Projection Corporation, New York, N. Y. Tape regulating device for stock quotation projectors. 1,822,769; Sept. 8.
Eitzen, August D., assignor to News Projection Corporation, New York, N. Y. Ticker tape controlling means. 1,822,770; Sept. 8.
Eitzen, August D., assignor to News Projection Corporation, New York, N. Y. Ticker protecting means. 1,822,771; Sept. 8.
Ekedahl, Erik A., assignor to The General Fireproofing Company, Youngstown, Ohio. Bank counter structure. 1,819,153; Aug. 18.
Ekko Company, The. (See McClintock, William S., jr., assignor.)
Ekleberry, Norris J., Toledo, Ohio. Davenport bed. 1,792,684; Feb. 17.
Eklind, Carl E. (See Tobin, K. J., and Eklind.)
Eklind, Carl E., and K. J. Tobin, assignors to Camel Company, Chicago, Ill. House-car construction. 1,790,657; Feb. 3.
Eklind, Carl E., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Car door. 1,836,230; Dec. 15.
Eklund, Axel A., Mount Vernon, Wash. Latching means for removable crank case covers. 1,808,403; June 2.
Ekman, Andrew, assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. 1,798,148; Mar. 31.
Ekman, Andrew, Grand Rapids, Mich., assignor to Winters & Crampton Mfg. Co., Grandville, Mich. Latch. 1,798,149; Mar. 31.
Ekman, Andrew, assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Hardware fixture. 1,829,509; Oct. 27.
Ekre, Jack W., and S. E. Dime, Minneapolis, Minn. Revolving door. 1,837,258; Dec. 22.
Eksergian, Carolus L. (See Tarbox, J. P., and Eksergian.)
Eksergian, Carolus L. (See Tarbox, J. P., Eksergian, and Farr.)
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Wheel. Des. 83,192; Feb. 3.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Making hubs. 1,811,996; June 30.
Eksergian, Carolus L., Detroit, Mich., assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Method and apparatus for clenching doors. 1,812,395; June 30.
Eksergian, Carolus L., Detroit, Mich., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Portable clinching tool. 1,816,318; July 28.
Eksergian, Carolus L., Detroit, Mich., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automatic feeding apparatus for sheet metal working machines. 1,816,319; July 28.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Reenforced vehicle wheel. 1,834,486; Dec. 1.
Eksergian, Carolus L., Detroit, Mich., and J. P. Tarbox, assignors to Budd Wheel Company, Philadelphia, Pa. Making wheel hubs. 1,795,483; Mar. 10.
Eksergian, Carolus L., Detroit, Mich., and W. A. Weightman, Philadelphia, assignors to Budd Wheel Company, Philadelphia, Pa. Bar cutting mechanism. 1,817,070; Aug. 4.
Ekstedt, Ernest D., East St. Louis, Ill., assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio. Sintering machine car and grate bar therefor, and the like. 1,807,154; May 26.
Ekstedt, Henry V., East St. Louis, Ill. Key holder. Des. 85,035; Sept. 8.
Ekstedt, John W., Belleville, N. J., assignor to Westinghouse Lamp Company. Machine for producing coiled bodies. 1,795,767; Mar. 10.
Ekstrand, Edward B., West Somerville, Mass. Electrical switch plug. 1,837,900; Dec. 22.
Ekstromer, Edward C., San Francisco, Calif., assignor of one-half to J. F. Gallagher, Boston, Mass., and one-half to The Edward C. Ekstromer Corporation, Reno, Nev. Pneumatic motor for oil-well pumps. 1,790,203; Jan. 27.
Ekstromer, Edward C., Redwood City, assignor of one-half to J. F. Gallagher, Berkeley, Calif., and one-half to The Edward C. Ekstromer Corporation. Driving mechanism for oil-well pumps. 1,799,458; Apr. 7.
Ekstromer, Edward C., Corporation, The, et al. (See Ekstromer, Edward C., assignor.)
Elam, Oscar J., Muskegon, Mich. Hair waving appliance. 1,831,487; Nov. 10.
Elastic Weave Products, Inc. (See Lawton, Oscar S., assignor.)
Elbee Holding Corporation. (See Bartelstone, Louis, assignor.)
Eldeen Automatic Hosiery Mender Inc. (See Hoffman, Edward J., assignor.)
Eldemiller, Earling W., Medina, Wash. Dust cap for pneumatic tire valves. 1,804,755; May 12.
Elder, Archie G., Seattle, Wash. Reference holder. 1,821,427; Sept. 1.
Elder, Charles W., Roy, Wash. Paper dispensing apparatus. 1,837,418; Dec. 22.
Elder, Donald, Berkeley, Calif. Flush valve. 1,809,440; June 9.
Elder, Donald, Onehunga, New Zealand. Apparatus for controlling the passage of water to sprayers and the like. 1,812,586; June 30.
Elder, Flint C., Cleveland Heights, Ohio. Pickling solution. 1,837,118; Dec. 15.
Elder, Robert F., Portland, Me., and R. B. Hill, Berlin, N. H., assignors to Brown Company, Berlin, N. H. Processing of a latex. 1,804,157; May 5.
Elderkin, Karl O., Iroquois Falls, Ontario, Canada. Injector for electric boilers. 1,802,636; Apr. 28.
Elderkin, Paul N., Los Angeles, Calif. Dispensing means. 1,806,599; May 26.
Elderkin, Paul N., Los Angeles, Calif. Support. 1,806,600; May 26.
Elderkin, Paul N., Los Angeles, Calif. Lubricant and carbon remover. 1,822,886; Sept. 15.
Elderkin, Raymond B., Denver, Colo. Feed grinder. 1,789,583; Jan. 20.
Eldred, Frank R., Jersey City, assignor to Reed & Carnick, Jersey City, N. J. Prostrate hormone and producing the same. 1,835,853; Dec. 8.
Eldredge, Elmer E. (See Bell, A. W., and Eldredge.)
Eldridge, Charles H. (See Fink, C. G., and Eldridge.)
Eldridge, Eustace B., assignor of one-half to J. A. Haeseler, Oxford, England. Photomechanical process of printing. 1,793,070; Feb. 17.
Eldridge, Ida M., assignor of one-half to L. R. Hoefler, Los Angeles, Calif. Electric manicure. 1,814,372; July 14.
"Electa" Apparatenbau-Gesellschaft M. B. H. (See Matzka, Otto, assignor.)
Electraply Laboratories Incorporated. (See Kays, Harvey W., assignor.)
Electric-Air Tool Corporation. (See Campbell, James C., assignor.)
Electric Arc Cutting & Welding Company. (See Holslag, Claude J., assignor.)

Electric Arc Cutting & Welding Co. et al. (See Holslag, C. J., and Widmark, assignors.)
Electric Auto-Lite Company, The. (See Eaton, Harrison H., assignor.)
Electric Auto-Lite Company, The. (See Ehrlich, Louis B., assignor.)
Electric Boat Company. (See Finley, Alden E., assignor.)
Electric Boat Company. (See Grieshaber, Hugo E., assignor.)
Electric Boat Company. (See Kolb, Frederick V., assignor.)
Electric Boat Company. (See Simpson, Robert C., assignor.)
Electric Boat Company. (See Spear, Lawrence Y., assignor.)
Electric Boat Company. (See Weeks, Ralph M., assignor.)
Electric Clock Corporation of America. (See Schiff, Samuel L., assignor.)
Electric Controller & Manufacturing Company, The. (See Hall, Jay H., assignor.)
Electric Controller & Manufacturing Company, The. (See Trofimov, Lev A., assignor.)
Electric Furnace Company, The. (See Cope, Frank T., assignor.)
Electric Furnace Company, The. (See Cope, F. T., and Vaughan, assignors.)
Electric Heating Devices, Inc. (See Thorsness, O. D., and Tower, assignor.)
Electric Household Utilities Corporation. (See Hume, John T., assignor.)
Electric Indicator Corporation. (See Hudson, Leo A., assignor.)
Electric Machinery Manufacturing Company. (See Early, R. N., and Bordeau, assignors.)
Electric Power Equipment Corporation. (See Dilks, John H., assignor.)
Electric Progress Company. (See Sporn, P., and Freitag, assignors.)
Electric Railway Equipment Company. (See Johnston, Lynn, assignor.)
Electric Railway Improvement Company, The. (See Neff, Frank H., assignor.)
Electric Razor Corporation of America. (See Shaler, Saul, assignor.)
Electric Service Supplies Company. (See Graham, Herbert J., assignor.)
Electric Service Supplies Company. (See McFarlin, John R., assignor.)
Electric Service Supplies Company. (See Osborne, David H., assignor.)
Electric Service Supplies Company. (See Smith, Walter H., assignor.)
Electric Service Supplies Company. (See Williams, Charles S., assignor.)
Electric Signal Company, The. (See Klein, Joseph W., assignor.)
Electric Smelting & Aluminum Co., The. (See Guernsey, F. H., and Howells, assignors.)
Electric Steel Foundry Company. (See Meister, John H., assignor.)
Electric Steel Foundry Company. (See Richmond, Harry H., assignor.)
Electric Storage Battery Company, The. (See Bridge, Ellis H., assignor.)
Electric Storage Battery Company, The. (See Lidke, William F., assignor.)
Electric Thermal Company, The. (See Newton, Frank H., assignor.)
Electric Vacuum Cleaner Company. (See Carson, Jesse F., assignor.)
Electric Vacuum Cleaner Company. (See Darst, James M., assignor.)
Electric Weave Products, Inc. (See Dworsky, H. P., and Lawton, assignors.)
Electric Welding Company. (See Straub, James M., assignor.)
Electric Wheel Company. (See Calkins, Addison N., assignor.)
Electrical Engineers Equipment Company. (See Christensen, Christen, assignor.)
Electrical Engineers Equipment Co. (See Hoye, Peder B., assignor.)
Electrical Engineers Equipment Company. (See Lotz, Alfred F. C., assignor.)
Electrical Engineers Equipment Company. (See Shatzer, J. A., and Steinmayer, assignors.)
Electrical Engineers Equipment Company. (See Starr, James H., assignor.)
Electrical Engineers Equipment Co. (See Steinmayer, Alwin G., assignor.)
Electrical Engineers Equipment Co. (See Wagoner, Kenneth S., assignor.)
Electrical Improvements Limited. (See Beard, J. R., and Porter, assignors.)
Electrical Improvements Limited. (See Grant, Lewis C., assignor.)
Electrical Industries Manufacturing Company et al. (See Gage, Edward G., assignor.)
Electrical Research Products, Inc., et al. (See Friedl, G. jr., assignor, and Gastonguay.)
Electrical Research Products Inc. (See Hickson, Daniel C., assignor.)
Electrical Research Products Inc. (See Humphrey, Hartley C., assignor.)
Electrical Research Products Inc. (See Reynolds, John L., assignor.)
Electrical Research Products Inc. (See Sarbacher, Robert I., assignor.)
Electrical Research Products Inc. (See Watkins, Stanley S. A., assignor.)
Electrical Testing Laboratories. (See Millar, Preston S. and H. H., assignors.)
Electrical Research Products Inc. (See Chapman, Shelby C., assignor.)
Electroacustic Gesellschaft mit beschränkter Haftung. (See Rudolph, Wilhelm, assignor.)
Electroacustic Gesellschaft mit beschränkter Haftung. (See Settegast, B. and Rudolph, assignors.)
Electro Anti-Corrosion Corporation. (See Kirkaldy, Alexander, assignor.)
Electro Chemical Company. (See Hardoen, Robert H., assignor.)
Electro Dialyzer Corporation. (See Cabrera, Charles T., assignor.)
Electrodor Company. (See Hill, Glenn G., assignor.)
Electro Dynamic Company. (See Engelhardt, Karl, assignor.)
Electro Dynamic Company. (See Hochreiner, Hans, assignor.)
Electro Flushing & Manufacturing Company. (See Roth, Herman, assignor.)
Electrolux Corporation. (See Ell, Lars, assignor.)
Electrol Incorporated. (See Feeley, Joseph P., assignor.)
Electrol Incorporated. (See Scott, Lewis L., assignor.)
Electrolock Manufacturing Company, The. (See Andrew, Frederick W., assignor.)
Electrolock Manufacturing Company, The. (See Andrew, F. W., and Hemingway, assignors.)
Electrolock Manufacturing Company, The. (See Hemingway, Wilson, jr., assignor.)
Electrolock Manufacturing Company, The. (See Kulicke, Frederick W., assignor.)
Electrolux Servel Corporation. (See Ehnbom, Bo K. G., assignor.)
Electrolux Servel Corporation. (See Elfving, Thore M., assignor.)
Electrolux Servel Corporation. (See Knight, Donald B., assignor.)
Electrolux Servel Corporation. (See Lenning, Alvar, assignor.)
Electrolux Servel Corporation. (See Munters, Carl G., assignor.)
Electrolux Servel Corporation. (See Randel, B. F., assignor.)
Electrolux Servel Corporation. (See Ryden, Eric H., assignor.)
Electrolux Servel Corporation. (See Sellman, F. E., and Collins, assignors.)
Electrolux Servel Corporation. (See Taylor, Robert S., assignor.)
Electrolux Servel Corporation. (See Ullstrand, H. M., and Campbell, assignors.)
Electrolux Servel Corporation. (See von Platen, B. C., and Munters, assignors.)
Electrolytic Zinc Company of Australasia Limited. (See Hey, H., Evans, Williams, and Newall, assignors.)
Electro Manufacturing Company of America. (See Ginder, William H., assignor.)
Electromatic Typewriters, Inc. (See Crumrine, Chester W., assignor.)
Electromatic Typewriters, Inc. (See Dorsey, Farnum F., assignor.)
Electro Metallurgical Company. (See Becket, Frederick M., assignor.)
Electro Metallurgical Company. (See Becket, Frederick M., assignor.)
Electro Metallurgical Co. (See Beckett, F. M., and Critchett, assignors.)
Electro Metallurgical Company. (See Brennan, Joseph H., assignor.)
Electro Metallurgical Company. (See Case, Philip S., assignor.)
Electro Metallurgical Company. (See Egan, John J., assignor.)
Electro Metallurgical Company. (See Franks, Russell, assignor.)
Electro Metallurgical Company. (See George, Harry S., assignor.)
Electro Metallurgical Company. (See Kinzel, Augustus B., assignor.)
Electro Metallurgical Company. (See Marshall, James G., assignor.)
Electro Metallurgical Company. (See Read, William C., assignor.)
Electro-Mobile Corporation. (See Neuland, Alfons H., assignor.)
Electro-Motive Company, The. (See Dilworth, Richard M., assignor.)
Electro-Motive Company, The. (See Fike, Charles H., assignor.)
Electro-Motive Instrument Co. (See Gillberg, Gustaf S., assignor.)
Electron Chemical Company. (See Allen, H. I., and Ayerst, assignors.)
Electrorecorder Corporation. (See Cooney, Peter A., assignor.)

Electro Refractories Corporation. (See Diamond, Grant S., assignor.)
Electrons, Inc. (See Meyer F., and Spanner, assignors.)
Electrons, Inc. (See von Wedel, Carl, J. R. H., assignor.)
Elec-Tru-Tone Corporation. (See Leishman, Le Roy J., assignor.)
Elektra Ges. m. b. H., The Firm. (See Skutta, Theodor, assignor.)
Elektrische Lot- und Schweiss-Gesellschaft mit beschrankter Haftung. (See Helle, Carl, assignor.)
Elektrizitäts-gesellschaft "Sanitas" m. b. H., The Firm. (See Hofmann, Josef, assignor.)
Elektrizitatswerk Lonza. (See Lüscher, E., and Steiger, assignors.)
Elektrotechnische Fabrik Schmidt & Co. Gesellschaft m. b. H. (See Rathmann, Paul, assignor.)
Elevator Company of America. (See Rice, Joseph, assignor.)
Elevator Supplies Company. (See Bassett, Cyrus W., assignor.)
Elevator Supplies Company. (See Bassett, C. W., and Fear, assignors.)
Elevator Supplies Company. (See Crowell, W. B., and Bassett, assignors.)
Elevator Supplies Co. (See Dupont, Andrew T., assignor.)
Elevator Supplies Company. (See Fear, Harold J., assignor.)
Elevator Supplies Company. (See Lighthipe, Kenneth D., assignor.)
Elevator Supplies Company. (See Shonnard, Harold W., assignor.)
Elevator Supplies Company. (See Weeks, William W., assignor.)
Elfreth, Benjamin M. (See Kederis, W., and Elfreth.)
Elfreth, Harold D., Penns Park, assignor to Cochrane Corporation, Philadelphia, Pa. Filtration system. 1,794,841; Mar. 3.
Elfring, John B., and C. G. Schiele, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Precision measuring device. 1,799,739; Apr. 7.
Elfstedt, Carl, Hubbard Woods, Ill. Fish scaler. 1,838,752; Dec. 29.
Elfving, Thore M., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,837,767; Dec. 22.
Elger, Joseph, Chicago, Ill. Duplex automatic air vent valve. 1,818,053; Aug. 11.
Elger, Joseph, Chicago, Ill. Radiator. 1,823,035; Sept. 15.
Elgérus, Ernst, Niklasdorf-on-the-Mur, Austria. Making white and bleached wood pulp suitable for the manufacture of paper without addition of cellulose. 1,811,783; June 23.
Elgin Butter Tub Company. (See Pagel, Ernest C., assignor.)
Elgin Butter Tub Company. (See Walstrom, Axel M., assignor.)
Elgin Manufacturing Company. (See Duer, Lee W., assignor.)
Elgin National Watch Company. (See Barton, Robert B., assignor.)
Elgin National Watch Company. (See Sloan, Edward C., assignor.)
Elia, Giovanni E., Rome, Italy. Torpedo. 1,816,768; July 28.
Elia, Giovanni E., Rome, assignor to Società Anonima Fonderia Del Pignone, Firenze, Italy. Automatic parachute. 1,838,035; Dec. 22.
Elias, Albert, Niemegk, by Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Die-extrusion method and apparatus. 1,789,675; Jan. 20.
Elias, Albert I., New York, N. Y. Store front. Des. 83,096; Jan. 20.
Elias, Albert I., New York, N. Y. Store front. Des. 83,097; Jan. 20.
Elias, Albert I., New York, N. Y. Store show window. 1,836,960; Dec. 15.
Elias, G., & Bro. Inc. (See Cato, Joseph L., assignor.)
Elias, Joan J. M., Wassenaar, near The Hague, Netherlands. Motor-driven machine for harvesting sugar cane. 1,790,204; Jan. 27.
Elias, Joan J. M., Wassenaar, near The Hague, Netherlands. Cleaning machine. 1,837,610; Dec. 22.
Eliason, Henry C., assignor to M. N. Eliason, Baltimore, Md. Marine bearing packing and lubricating device. 1,838,053; Dec. 22.
Eliason, Mary N. (See Eliason, Henry C., assignor.)
Eliason, Oscar C. (See Wood, E. B., and Eliason.)
Eliel, Elizabeth S. (See Eliel, Leon T., assignor.)
Eliel, Leon T., Pasadena, Calif., assignor to E. S. Eliel. Method of and apparatus for making maps. 1,816,181; July 28.
Eliel, Leon T., Pasadena, Calif., assignor to E. S. Eliel. Folding mirror stereoscope. 1,816,214; July 28.
Elio, Rocco. (See Maehren, George, assignor.)
Elkington, Vivian, St. Margarets Bay, England. Manhole cover and frame and the like. 1,820,127; Aug. 25.
Elkins, Harry H., Philadelphia, Pa. Plastering machine. 1,829,479; Oct. 27.
Elkins, William M. (See Longnecker, M., and Elkins.)
Elko Chemical Company. (See Masters, Carl L., assignor.)
Elko Chemical Company, The. (See Schudel, John G., assignor.)
Elko Chemical Company, The. (See ter Horst, William P., assignor.)
Ell, Lars, Stockholm, Sweden, assignor by mesne assignments, to Electrolux Corporation. Vacuum cleaner. 1,832,368; Nov. 17.
Ellefsen, Harry. (See Swansen, Frederick M., assignor.)
Ellen, Vern G., Minneapolis, Minn., assignor to The Louden Machinery Company, Fairfield, Iowa. Grappling apparatus. 1,809,622; June 9.
Ellen, Verner G., Minneapolis, Minn. Automobile heating system and heater. 1,814,744; July 14.
Ellenbecker, John P., St. Cloud, Minn. Automatic control for stone cutting and finishing machines. 1,831,412; Nov. 10.
Ellenberger, Charles M., Detroit, Mich., assignor, by mesne assignments, to Oakes Products Corporation. Fender-well-tire lock. 1,796,194; Mar. 10.
Ellenberger, Clarence M., Detroit, Mich., assignor, by mesne assignments, to Oakes Products Corporation. Vise grip lock. 1,819,813; Aug. 18.
Eller, Piroska, New York, N. Y. Safety device for aeroplanes. 1,791,024; Feb. 3.
Eller, Wilhelm, Berlin-Wilmersdorf, and R. Hofstadt, Wolfen, Kreis, Bittergeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of artificial threads or the like. 1,836,656; Dec. 15.
Ellern, Albert J., assigor to Travelad Corporation, Chicago, Ill. Display device. 1,805,209; May 12.
Ellinger, Frits, assignor to Mijnbouw En Handels-Maatschappij "Wonoh Gedeh", The Hague, Netherlands. Obtaining iodine as iodide from iodine-containing adsorption carbon. 1,810,039; June 16.
Ellinger, Julius B., Seattle, Wash. Airship. 1,822,849; Sept. 8.
Ellingson, Elling, San Francisco, Calif. Door securing device. Re18,051; Apr. 21.
Ellingson, Elling, San Francisco, Calif. Doorlock. 1,802,637; Apr. 28.
Ellingson, Elling, San Francisco, Calif. Doorknob locking device. 1,810,909; June 23.
Ellingson, Elling, San Francisco, Calif. Mortise latch lock. 1,822,278; Sept. 8.
Ellingson, Elling, San Francisco, Calif. Door latch. 1,822,279; Sept. 8.
Ellingson, Elling, San Francisco, Calif. Coin control lock. 1,831,657; Nov. 10.
Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 83,669; Mar. 17.
Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 83,670; Mar. 17.
Ellington, Ferdinand W., Jamaica, N. Y., assignor to Delman, Inc., New York, N. Y. Shoe. Des. 83,723; Mar. 24.
Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 84,629; July 14.
Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 84,630; July 14.
Ellington, Ferdinand W., Jamaica, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 84,631; July 14.
Elliot, William S., Northampton, Mass., assignor by mesne assignments, to Pro-Phy-Lac-Tic Brush Company, Wilmington, Del. Brush cleaning machine. 1,804,601; May 12.
Elliott Addressing Machine Company. (See Elliott, Harmon P., assignor.)
Elliott Company. (See Bergquist, Hugo, assignor.)
Elliott Company. (See Ehrhart, Raymond N., assignor.)
Elliott Company. (See McDermet, John R., assignor.)
Elliott Company. (See Thompson, Neil, assignor.)
Elliott Core Drilling Company. (See Merritt, Floyd C., assignor.)
Elliott, Edward O., Jenkintown, Pa. Locomotive truck. 1,793,388; Feb. 17.
Elliott, Edward O., Jenkintown, Pa. Locomotive truck. 1,805,328; May 12.
Elliott, Edward O., Jenkintown, Pa. Locomotive truck. 1,814,909; July 14.
Elliott-Fisher Company. (See Blaisdell, Harrison O., assignor.)
Elliott-Fisher Company. (See Conard, Frederick U., assignor.)
Elliott-Fisher Company. (See Foothorap, Harry A., assignor.)
Elliott-Fisher Company. (See Hanson, Hans, assignor.)
Elliott-Fisher Company. (See Kupetz, Adolph G., assignor.)
Elliott-Fisher Company. (See Kurowski, Alfred G. F., assignor.)
Elliott-Fisher Company. (See Pitman, Henry L., assignor.)
Elliott-Fisher Company. (See Resch, Henry, assignor.)
Elliott-Fisher Company. (See Smith, Jesse A. B., assignor.)
Elliott-Fisher Company. (See Stevenson, Ernest, assignor.)
Elliott-Fisher Company. (See Thieme, Otto, assignor.)
Elliott-Fisher Company. (See Toothorap, Harry A., assignor.)
Elliott-Fisher Company. (See Vickers, Harry H., assignor.)
Elliott-Fisher Company. (See von Reppert, Richard, assignor.)
Elliott-Fisher Company. (See Walter, Edward C., assignor.)

Elliott, Frederick T., Somerville, Mass. Shock absorber. 1,813,666; July 7.
Elliott, George S., Wilkinsburg, Pa. Display envelope. 1,810,649; June 16.
Elliott, Harmon P., Watertown, Mass. Mooring buoy. 1,801,729; Apr. 21.
Elliott, Harmon P., Watertown, Mass. Addressing machine. 1,807,309; May 26.
Elliott, Harmon P., Watertown, Mass. Stencil printing machine. 1,833,936; Dec. 1.
Elliott, Harmon P., Watertown, Mass. Stencil printing machine. 1,833,937; Dec. 1.
Elliott, Harmon P., Watertown, Mass. Stencil printing machine and sheet feeding device therefor. 1,833,938; Dec. 1.
Elliott, Harmon P., Watertown, Mass., assignor to Elliott Addressing Machine Company. Stencil machine and stencil therefor. Re18,151; Aug. 18.
Elliott, Harold F., assignor to Victor Talking Machine Company, Camden, N. J. Tuner control mechanism. 1,803,846; May 5.
Elliott, Harold F., Palo Alto, Calif., assignor to Victor Talking Machine Company, Camden, N. J. System of neutralization. 1,813,036; July 7.
Elliott, Harold F., Palo Alto, Calif., assignor to Victor Talking Machine Company, Camden, N. J. Vacuum tube mounting. 1,817,355; Aug. 4.
Elliott, Harold F., Palo Alto, Calif., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Variable condenser. 1,836,583; Dec. 15.
Elliott, Harry C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,817,976; Aug. 11.
Elliott, Harry C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle wheel carrier. 1,830,100; Nov. 3.
Elliott, Harry D., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for lacing shoe uppers. 1,831,348; Nov. 10.
Elliott, Henry L., Claysville, assignor of one-third to T. W. Henderson, Washington, Pa. Pulverized fuel carburetor. 1,811,461; June 23.
Elliott, Irwin, Bronx, assignor to Universal Oven Company, Inc., New York, N. Y. Baking oven and heating the same. 1,811,822; June 23.
Elliott, John W. T., Allandale, Ontario, Canada. Oiling device for wedges and jaws for journal boxes. 1,832,451; Nov. 17.
Elliott, Joseph H., and R. A. Norbom, assignors to The Cincinnati Car Corporation, Cincinnati, Ohio. Gasoline locomotive. 1,787,617; Jan. 6.
Elliott, Joseph H., and R. A. Norbom, assignors to The Cincinnati Car Corporation, Cincinnati, Ohio. Truck for high speed interurban cars. 1,828,133; Oct. 20.
Elliott, Lloyd B., assignor to Atlas Indicator Works, Incorporated, Chicago, Ill. Amusement device. Des. 84,686; July 21.
Elliott, Merton F., Elyria, Ohio. Dental film holder. 1,792,005; Feb. 10.
Elliott, O. N. (See Springfield, Garland P., assignor.)
Elliott, Ralph W., Independence, Kans. Key set tabulating mechanism. 1,836,456; Dec. 15.
Elliott, Russell E., Brackenridge, Pa. Reamer attachment for die stocks. 1,801,730; Apr. 21.
Elliott Square Company. (See Kent, William W. assignor.)
Elliott, Thomas, Birmingham, Ala., assignor to Continental Gin Company. Feeder for cotton trampers. 1,788,620; Jan. 13.
Elliott, Thomas, Birmingham, Ala., assignor to Continental Gin Company. Bearing. 1,793,071; Feb. 17.
Elliott, Thomas, Birmingham, Ala., assignor to Continental Gin Company. Screw conveyer. 1,818,055; Aug. 11.
Elliott, Thomas, Birmingham, Ala., assignor to Continental Gin Company. Huller gin. 1,823,135; Sept. 15.
Elliott, Wilbert N., and W. G. Milne, assignors to N. Slater Company, Hamilton, Ontario, Canada. Eye for anchor rods, eye bolts, and the like. 1,823,261; Sept. 15.
Elliott, William. (See Smethers, J. A., and Elliott.)
Elliott, William C., Minco, Okla. Liquid-pressure control and dampening device. 1,789,620; Jan. 20.
Elliott, William E., Struthers, Ohio, assignor to Bypro Manufacturing Company, Pittsburgh, Pa. Composition of and the treatment of hydrocarbon compounds. 1,814,745; July 14.
Elliott, William S., Pittsburgh, Pa. Operating mechanism. 1,788,387; Jan. 13.
Elliott, William S., Pittsburgh, Pa. Method and apparatus for separating air from liquids. 1,797,405; Mar. 24.
Elliott, William S., Pittsburgh, Pa. Liquid-treating apparatus and treating liquids. 1,800,723; Apr. 14.
Elliott, William S., Pittsburgh, Pa. Apparatus for deaerating liquid. 1,800,724; Apr. 14.
Elliott, William S., Pittsburgh, Pa. Method and apparatus for the treatment of liquids. 1,809,441; June 9.
Elliotte, Creed C., University of Richmond, Va. Toy. 1,817,882; Aug. 4.
Ellis Adding Typewriter Company. (See Bernau, Frederick W., assignor.)
Ellis Adding Typewriter Company. (See Ens, Emil J., assignor.)
Ellis, Arthur H., Rochester, Minn. Baggage fastener. 1,798,872; Mar. 31.
Ellis, Arthur H., Rochester, Minn. Illuminated sign. 1,826,512; Oct. 6.
Ellis, Arthur L., New Rochelle, N. Y., assignor to The Waterbury Tool Company, Waterbury, Conn. Driving mechanism. 1,812,587; June 30.
Ellis, Arthur L., New Rochelle, N. Y., assignor to The Waterbury Tool Company, Waterbury, Conn. Controlling apparatus for variable speed transmissions. 1,821,502; Sept. 1.
Ellis, Carleton, Montclair, N. J. Resin or resinous product and making same. 1,787,618; Jan. 6.
Ellis, Carleton, Montclair, N. J. Resinous composition and making same. 1,811,115; June 23.
Ellis, Carleton, Montclair, N. J. Coated or impregnated product. 1,814,135; July 14.
Ellis, Carleton, Montclair, N. J. Recovery of oil from spent fuller's earth. 1,828,035; Oct. 20.
Ellis, Carleton, Montclair, N. J. Paper or other fibrous product. 1,835,766; Dec. 8.
Ellis, Carleton, Montclair, N. J. Composition of matter and plastics and coatings therefrom. 1,835,767; Dec. 8.
Ellis, Carleton, Montclair, N. J. Wax-conditioned finish remover. 1,838,908; Dec. 29.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Applying hood caps to bottles. 1,792,006; Feb. 10.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Synthetic resin. 1,793,310; Feb. 17.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Synthetic resin complex from chlorinated tolnol and phenol and making same. 1,793,311; Feb. 17.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Synthetic resin and making same. 1,793,312; Feb. 17.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Sulphur product and making same. 1,795,364; Mar. 10.
Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Delineated area. 1,804,389; May 12.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Sulphured composition adapted as a binder for hood caps and for other purposes. 1,815,615; July 21.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Solubilized nitrocellulose. 1,816,146; July 28.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Coating composition. 1,824,757; Sept. 22.
Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Composition and making delineated areas. 1,830,872; Nov. 10.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Molding composition and making same. 1,832,807; Nov. 17.
Ellis, Carter D., Erie, Pa. Reverse movement control for drive shafts. 1,834,448; Dec. 1.
Ellis, Claude, Springville, N. Y. Ash receiver. 1,827,078; Oct. 13.
Ellis, Clifton M. (See Shields, Willie A., assignor.)
Ellis, Daniel S., Hackensack, N. J., and C. J. Zusy, Yonkers, N. Y., assignors to Ardco Manufacturing Company, Hoboken, N. J. Bell ringer for locomotives. 1,797,825; Mar. 24.
Ellis, Don G., assignor to Kelvinator Corporation, Detroit, Mich. Evaporator. 1,805,762; May 19.
Ellis, Edward E., Alhambra, assignor of one-half to O. C. Stratton, Santa Monica, Calif. Automatic film moving device for single exposure. 1,808,919; June 9.
Ellis, Elizabeth M. (See Ellis, Hartley, assignor.)
Ellis, Elmer A., Medford, assignor to Boston Blacking Company, Inc., Boston, Mass. Manufacture of insoles. 1,830,428; Nov. 3.
Ellis, Elmer C., and P. Maddox, Richmond, Va., assignors to Wine Railway Appliance Company, Toledo, Ohio. Car door mechanism. 1,830,389; Nov. 3.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Ellis-Foster Company. (See Weber, Harry M., assignor.)
Ellis, Frank H., Braintree, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutting block. 1,814,136; July 14.
Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Dyeing or coloration of cellulose acetate. 1,793,360; Feb. 17.
Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of materials made with or containing cellulose derivatives. 1,817,741; Aug. 4.
Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Dyeing or coloring of products made with cellulose acetate. 1,818,541; Aug. 11.
Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Dyeing or coloring of products made with cellulose acetate. 1,818,542; Aug. 10.
Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Dyeing and coloring of products made with cellulose acetate. 1,818,543; Aug. 11.
Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of cellulose acetate or products made therewith. 1,826,608; Oct. 6.

Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Dyeing or coloring of cellulose acetate. 1,829,130; Oct. 27.
Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Building wall structure. 1,807,395; May 26.
Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Refrigerator. 1,820,304; Aug. 25.
Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Building wall structure. 1,832,105; Nov. 17.
Ellis, George H., and E. Greenhalgh, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of products of or containing acetyl cellulose. 1,792,152; Feb. 10.
Ellis, George H., and W. O. Goldthorpe, Spondon, near Derby, England, assignors to Celanese Corporation of America. Dyeing, printing, or stenciling of cellulose acetate or products made therewith. 1,803,008; Apr. 28.
Ellis, Harold E. (See Williams, F. T., and Ellis.)
Ellis, Harold E., and F. T. Williams, assignors to The Miller Company, Meriden, Conn. Brooder heater. 1,809,892; June 16.
Ellis, Hartley, Cleveland, Ohio, assignor of twenty-one fortieths to E. M. Ellis, Erie, Pa. Closure for metallic drums and the like and making same. 1,803,847; May 5.
Ellis, Harvard H., Putnam, Conn. Container for paper clips. 1,835,937; Dec. 8.
Ellis, Hugh J., Berwyn, Ill. Microphone and microphone mounting. 1,805,362; May 12.
Ellis, John B., San Jose, Calif. Shade. 1,791,162; Feb. 3.
Ellis, Kenneth K., St. Louis, Mo. Building. 1,827,310; Oct. 13.
Ellis, Laurence D., Toledo, Ohio. Toy wagon. 1,806,749; May 26.
Ellis, Lockwood B., assignor to General Motors Corporation, Detroit, Mich. Oil filtering and lubricating system. 1,820,382; Aug. 25.
Ellis, Lockwood B., and F. M. Holden, assignors to General Motors Corporation, Detroit, Mich. Oil-reclaiming mechanism. 1,816,573; July 28.
Ellis Products Company. (See Ellis, Warren C., assignor.)
Ellis, Ray E., Los Angeles, Calif. Shade. 1,804,864; May 12.
Ellis, Robert S., Colorado Springs, Colo. Gun. 1,787,939; Jan. 6.
Ellis, Ruby K., et al., administrators. (See Koenig, Joseph.)
Ellis, Stanley G., Hannibal, Mo. Stock watering trough. 1,814,674; July 14.
Ellis, Walter J., Anderson, Ind. Suspenders. 1,839,143; Dec. 29.
Ellis, Warren C., Flint, Mich., assignor to Ellis Products Company. Window screen guide. 1,838,085; Dec. 29.
Ellis, Warren C., assignor to Ellis Products Company, Flint, Mich. Parting strip. 1,838,220; Dec. 29.
Ellis, William B., Atlanta, Ga. Charge-forming device. 1,792,367; Feb. 10.
Ellis, William R., Washington, D. C. Agitating cutter for dredges. 1,821,177; Sept. 1.
Ellison, Charles F., Cristobal, Canal Zone. Hoisting rigging. 1,802,886; Apr. 28.
Ellison, Edward H., Jamestown, N. Y. Fastening articles together. 1,827,884; Oct. 20.
Ellison, Frank H., Ogema, Wis., assignor, by mesne assignments, to Hackley Morrison, Richmond, Va. Game apparatus. Re17,961; Feb. 10.
Ellison, George, and J. Anderson, Birmingham, England. Alternating-electric-current-interrupter. 1,798,319; Mar. 31.
Ellison, Thomas B. New Orleans, La. Automobile body. Des. 85,579; Nov. 17.
Ellixson, William C., Jackson, Mich. Windshield wiper. 1,811,717; June 23.
Ellman, Wofgang, Sheboygan, Wis. Safety device for stoves. 1,807,310; May 26.
Ellms, Edward H., Englewood, N. J., assignor to The Barrett Co., New York, N. Y. Production of paracoumarone resins. 1,797,260; Mar. 24.
Ellsberg, Edward, Westfield, N. J. Underwater torch and method therefor. 1,824,397; Sept. 22.
Ellsdorf, Robert, Chicago, Ill. Air-circulating stovepipe. 1,797,909; Mar. 24.
Ellsworth, C. H. (See Heckel, Wilhelm, assignor.)
Ellsworth, C. H. (See Roser, Edmund, assignor.)
Ellsworth, F. J., et al. (See Furr, Harry L., assignor.)
Ellsworth, Francis P., New York, N. Y. Shoe lace fastening device. 1,827,424; Oct. 13.
Ellsworth, Frank V., Hot Springs National Park, Ark. Hangar. 1,837,152; Dec. 15.
Ellsworth, Henry E., assignor to The Ensign-Bickford Co., Simsbury, Conn. Safety fuse. 1,825,224; Sept. 29.
Ellsworth, Henry H. (See Erwin, Lawrence B., assignor.)
Ellsworth, Henry H., Cohasset, Mass. Antiskid device. 1,813,391; July 7.
Ellsworth, Irving H., Orrville, Ohio. Leather mellowing cabinet. 1,821,210; Sept. 1.
Ellsworth, Lyman J., and J. G. Ingalls, Chicago, Ill., assignors to National Utilities Corporation. Display device. Des. 83,516; Mar. 3.
Ellsworth, Nellie S., San Francisco, Calif. Container. Des. 85,863; Dec. 29.
Ellsworth, Percy G., Burlington, Vt. Stringing beads. 1,807,396; May 26.
Ellsworth, Stanley F. (See Kelly, C. L., and Ellsworth.)
Ellwanger, Adolf, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Ignition coil. 1,812,520; June 30.
Ellyson, Frederick W., Munich, Germany. Rotary valve gear. 1,804,921; May 12.
Elizey, Esco F., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Device for administering medicaments. 1,815,902; July 28.
Ellzey, Vernon S., Rochester, N. Y. Comb. 1,827,425; Oct. 13.
Elmen, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Heat treatment of magnetic material. 1,788,017; Jan. 6.
Elmen, Gustaf W., Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic material. 1,792,483; Feb. 17.
Elmen, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic material. 1,818,054; Aug. 11.
Elmendorf, Armin, Chicago, Ill., assignor to The Flexwood Company. Machine for treating flexible veneered sheets. 1,809,681; June 9.
Elmendorf, Armin, assignor to The Flexwood Company, Chicago, Ill. Flexible wood-faced sheet material. 1,819,775; Aug. 18.
Elmenthaler, William, Cleveland Heights, Ohio. Rattle preventing and sealing means. 1,835,030; Dec. 8.
Elmer, Lloyd A., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mechanical coupling. 1,832,285; Nov. 17.
Elmer, William, Philadelphia, Pa. Ballast-cleaning apparatus. 1,793,389; Feb. 17.
Elmer, William, Philadelphia, Pa. Railway section car. 1,830,785; Nov. 10.
Elmers, Leon R., Seattle, Wash., assignor to Simonds Saw and Steel Company, Fitchburg, Mass. Saw. 1,796,864; Mar. 17.
Elmore, Austin E., Los Angeles, Calif. Compressor. 1,791,958; Feb. 10.
Elmore, George C., Pierce, Fla. Reversible-blade propeller. 1,799,548; Apr. 7.
Elmore, Guy H., Swarthmore, and R. W. Rigler, Philadelphia, Pa. Washer. 1,798,459; Mar. 31.
Elmore, Loyd. (See Beaty, F. F., Elmore, and Pope.)
Elmore, Samuel T. (See Retherford H. G., and Elmore.)
Elmquist, Carl H. M., Stockholm, Sweden. Molding material and mold. 1,827,426; Oct. 13.
Elms, John D., St. George, N. Y., assignor, by mesne assignments, to Felms Revo Corporation, New York, N. Y. Motion picture camera. 1,836,584; Dec. 15.
Elmslie, George L. (See Ahlm, C. E. F., and Emslie.)
Elnett, Anthony A., New York, N. Y. Blackboard eraser. 1,825,858; Oct. 6.
Elöd, Egon, and L. Thomas, Karlsruhe, Germany. Production of fibers from cocoanuts. 1,831,740; Nov. 10.
Elrod, Stephen B., jr. (See Haley, R., and Elrod.)
Elsaesser, Georg, assignor to Nyffeler, Schüpbach and Co., Kirchberg, Berne, Switzerland. Device to cut holes in strips or webs of tin foil or the like. 1,801,337; Apr. 21.
Elsby, Samuel J., jr., New Albany, Ind. Aircraft control system. 1,830,429; Nov. 3.
Else, Harry D., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Centrifugal transfer switch. 1,799,975; Apr. 7.
Else, Harry D., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Short circuiting device. 1,820,694; Aug. 25.
Elsea, Albert E., East St. Louis, Ill. Airplane automatic control. 1,808,771; June 9.
Elsea, Albert E., East St. Louis, Ill. Gas turbine. 1,838,477; Dec. 29.
Elsey, George W., assignor to Delco Products Corporation, Dayton, Ohio. Piston. 1,806,338; May 19.
Elsey, George W., Dayton, assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Hydraulic shock absorber. 1,819,503; Aug. 18.
Elsey, George W., and W. A. Chryst, assignors to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,807,653; June 2.
Elsey, Howard M., Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company. Glass seal. 1,816,424; July 28.
Elsner, Heinrich, Dresden, Germany. Riveting machine. 1,798,976; Mar. 31.
Elston, Rue R., Minneapolis, Minn. Sander for busses and other vehicles. 1,812,521; June 30.
Elstrom, Carlson, & Co. (See Carlson, George H., assignor.)
Elsworth, Robert B., Albany, assignor to General Railway Signal Company, Rochester, N. Y. Railway-traffic-controlling system. 1,794,597; Mar. 3.
Elsworth, Robert B., Albany, assignor to General Railway Signal Company, Rochester, N. Y. Railway-traffic-controlling system. 1,794,598; Mar. 3.
Elsy, Charles A., Glen Ellyn, Ill., assignor to Chicago Hardware Foundry Company, North Chicago, Ill. Picture frame. Des. 85,171; Sept. 22.
Eltag, Charles A., Milwaukee, Wis. Condiment container. 1,799,584; Apr. 7.

Elters, William S., Dayton, Ohio. Flower box. Des. 84,030; Apr. 28.
Elting, Edwin J., Chicago, Ill. Tube. Des. 83,317; Feb. 17.
Eltze, Kurt, Mannheim-Kafertal, assignors to Daimler-Benz Aktiengesellschaft, Stuttgart-Berlin, Germany. Compression-reducing device for internal-combustion engines. 1,789,036; Jan. 13.
Eltze, Kurt, Mannheim-Kafertal, assignor to Daimler Benz Aktiengesellschaft, Stuttgart-Unterturkhein, Germany. Internal combustion engine. 1,809,477; June 9.
Elwell, George H., assignor to The Greist Manufacturing Company, New Haven, Conn. Electric switch. 1,803,848; May 5.
Elwell, George H., assignor to The Greist Manufacturing Company, New Haven, Conn. Electric switch. 1,803,849; May 5.
Elwell, George H., assignor to The Greist Manufacturing Company, New Haven, Conn. Electric switch. 1,808,534; June 2.
Elwell-Parker Electric Company, The. (See Abbe, Edward J., assignor.)
Elwell-Parker Electric Company, The. (See Cochran, Clyde E., assignor.)
Elwell-Parker Electric Company. (See Towson, Sheldon K., assignor.)
Elwood, Frank, assignor of one-half to F. A. Thompson, Carbondale, Ill. Shovel tooth. 1,804,756; May 12.
Ely, Alonzo B., and E. L., Harmon, Groton, assignors to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,798,150; Mar. 31.
Ely, Alonzo B., and E. L. Harmon, Groton, assignors to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,807,590; June 2.
Ely, Cornelius G., assignor to Grigsby-Grunow Company, Chicago, Ill. Escutcheon plate for radio receivers. Des. 84,076; May 5.
Ely, Edgar C., Carbondale, and L. S. Ely, jr., Brooklyn, Pa. Electrical fixture connecting and supporting device. 1,837,955; Dec. 22.
Ely, Harold M., deceased, Harrisburg, Pa., by Bethlehem Steel Company, Bethlehem, Pa., assignee. Rail turning device. Re18,210; Sept. 29.
Ely, Hiram B., Philadelphia, Pa. Acoustic horn. 1,792,634; Feb. 17.
Ely, Hiram B., Philadelphia, Pa. Training operators of sound locating devices. 1,811,997; June 30.
Ely, Luther S., jr. (See Ely, E. C. and L. S., jr.)
Ely, Paul C. (See Chappell, E. L., and Ely.)
Elze, Walter C., Forest Hills, assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Portable torch. 1,820,383; Aug. 25.
Elze, Walter C., Forest Hills, N. Y., assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Burner apparatus. 1,837,030; Dec. 15.
Emanueli, Luigi, assignor to Firm Pirelli & Co., Milano, Italy. Joint for electrical cables. 1,799,158; Apr. 7.
Emanueli, Luigi, Milan, Italy, assignor to Societa Italiana Pirelli, Milan, Italy. Maintaining oil pressure in high tension electric cables. 1,809,927; June 16.
Emard, Fern. (See Gehersky, William W., assignor.)
Embosograf Corporation of America. (See Courtenay, Frederic D., assignor.)
Embosograf Corporation of America. (See Lewis, Alvin, assignor.)
Embree, Herbert, Hamilton, Ontario, Canada. Hose clamp. 1,815,145; July 21.
Embree, Herbert, Hamilton, Ontario, Canada. Stove pipe. 1,828,105; Oct. 20.
Emde, Kurt. (See Gollnick, P. A., Broderick, and Emde.)
Emenhiser, Asa H., Tulsa, assignor to W. T. Dimick, Oklahoma City, Okla. Coin controlled basket ball game. 1,827,885; Oct. 20.
Emens, Albert L., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Electricity-meter cover fastener. 1,791,892; Feb. 10.
Emens, Albert L., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Electricity meter. 1,818,795; Aug. 11.
Emerick, John W., and W. E., Halfway, Mich. Excavating machine. 1,796,889; Mar. 17.
Emerick, William E. (See Emerick, John W., and W. E.)
Emerson, Alfred H. (See Watson, F. J. G. B., Culver, and Emerson.)
Emerson, Arthur C., and I. C. Crandall, Superior, Wis. Automobile heater. 1,815,401; July 21.
Emerson-Brantingham Corporation. (See Marcum, Arthur I., assignor.)
Emerson, Dean, Detroit, Mich. Fire hydrant. 1,800,010; Apr. 7.
Emerson Electric Mfg. Co., The. (See Dickson, Albert C., assignor.)
Emerson Electric Mfg. Co., The. (See Finch, Herbert I., assignor.)
Emerson Electric Mfg. Co., The. (See Rodgers, James A., assignor.)
Emerson, George H., Baltimore, Md. Feed-water heating system for locomotives. 1,817,811; Aug. 4.
Emerson, George H., and W. B. Whitsitt, Baltimore, Md. Locomotive boilers. 1,789,037; Jan. 13.
Emerson, George H., and W. B. Whitsitt, Baltimore, Md. Siphon generator and circulator for locomotive boilers. 1,807,473; May 26.
Emerson, George H., and W. B. Whitsitt, Baltimore, Md. Siphon generator and circulator for locomotive boilers. 1,818,544; Aug. 11.
Emerson, Harley R. (See Weiss, H. H., and Emerson.)
Emerson, John, Toledo, Ohio. Headwear. 1,829,040; Oct. 27.
Emerson, John, assignor to Inland Glass Works, Inc., Chicago, Ill. Making glass bowls. 1,787,619; Jan. 6.
Emerson, John H., Cambridge, Mass. Micro-manipulator. 1,828,460; Oct. 20.
Emerson, Merton L., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch system. 1,810,269; June 16.
Emerson, Merton L., assignor to The Lamson Company, Syracuse, N. Y. Method of and apparatus for controlling air flow in pneumatic systems. 1,813,487; June 6.
Emerson, Paul, Ames, Iowa. Article net for automobiles. 1,837,537; Dec. 22.
Emerson, Ralph W., assignor to Gyro Brush Co., East Orange, N. J. Washing and scrubbing brush. 1,813,569; July 7.
Emerson, Roger F., Scotia, N. Y., assignor to General Electric Company. Motor control system. 1,817,810; Aug. 4.
Emerson, Sam W., et al. (See Jaworowski, Joseph F., assignor.)
Emerson, Victor H., assignor to Remsen Corporation, New York, N. Y. Magnetic pick-up device. 1,807,654; June 2.
Emerson, William F., Williamsville, N. Y. Cylindrical honing tool. 1,791,491; Feb. 10.
Emery, Charles C., Hutchinson, Kans. Ring. Des. 85,742; Dec. 15.
Emery, Charles E., Los Angeles, Calif. Illuminated number plate for vehicles. 1,828,223; Oct. 20.
Emery, Frank, Summerdale, Pa. Stocking. 1,816,475; July 28.
Emery, Fred R., and T. W. Hammen, San Francisco, Calif. Direction signal. 1,791,864; Feb. 10.
Emery, Frederick L. (See Stimpson, Robert H., assignor.)
Emery, Norman A. (See Carman, Charles W., assignor.)
Emery, Roy, Brooklyn, N. Y. Typographical mold element. 1,801,075; Apr. 14.
Emery, Roy, Brooklyn, N. Y. Selective mechanism. 1,808,597; June 2.
Emery, Roy, Brooklyn, N. Y. Selective mechanism. 1,808,598; June 2.
Emery, Waldo D., Tulsa, Okla. Orifice fitting. 1,822,961; Sept. 15.
Emig, John, assignor to Armstrong Cork Company, Lancaster, Pa. Flexible hard surfaced floor covering. 1,824,041; Sept. 22.
Emler, Loren W., Astoria, Oreg. Weather strip for swinging closures. 1,794,887; Mar. 3.
Emley, Joseph C. (See Bodge, H. A., and Emley.)
Emmer, Hans J. (See Luettringhaus, A., Neresheimer, and Emmer.)
Emmer, Hans J., Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Production of dibenzanthrone. 1,816,281; July 28.
Emmerich, John H., Rosedale, assignor to H. S. Holmes, New York, N. Y. Light condensing optical system. 1,821,623; Sept. 1.
Emmerson, Albert S., Compton, Calif. Vehicle signal. 1,791,664; Feb. 10.
Emmert, John R., assignor to E. J. Paidar Co., Chicago, Ill. Chiropodist chair. 1,810,134; June 16.
Emmons, Arthur N., Syracuse, N. Y. Surface finishing machine. 1,803,549; May 5.
Emmons, Arthur N., Nedrow, assignor to The Porter-Cable Machine Company, Syracuse, N. Y. Sandpapering machine. 1,821,624; Sept. 1.
Emmons, Arthur N., Nedrow, assignor to The Porter-Cable Machine Company, Syracuse, N. Y. Abrading roller construction. 1,836,367; Dec. 15.
Emmons, Arthur N., Syracuse, N. Y. Bench mounting for portable electric power saws. 1,836,457; Dec. 15.
Emmons, Nelson, 3d, Dayton, Ohio. Throttle, spark, and mixture control. 1,793,786; Feb. 24.
Emmott, Willie. (See Boughton, E. B., Emmott, Brock, and Burdon.)
Emons, Ernest E., Akron, Ohio, assignor to The Ful-Vue Sales Company, Washington, D. C. Spectacles. Re17,994; Mar. 10.
Emons, Ernest E., Wilmington, Del., assignor to The Ful-Vue Sales Company, Washington, D. C. Spectacles. Des. 85,089; Sept. 15.
Empire Hood Seal Corporation. (See O'Neill, Frank, jr., assignor.)
Empire Oil & Refining Company. (See Fisher, J. P., and Downs, assignors.)
Empire Oil and Refining Company. (See Walker, John C., assignor.)
Emrich, George C., Columbus, Ohio. Supporting hot air rings in furnaces or stoves. 1,811,998; June 30.
Emsco Derrick & Equipment Company, et al. (See Bennett, Edwin O., assignor.)
Emsco Derrick & Equipment Company. (See Burgess, Lysle P., assignor.)
Emsco Derrick & Equipment Company. (See Goeser, Edwin W., assignor.)
Emsco Derrick & Equipment Company. (See Gunn, R. W., and Thompson, assignors.)

Emsco Derrick & Equipment Company. (See Merritt, John B., assignor.)
Emsco Derrick & Equipment Company. (See Rawson, Leslie A., assignor.)
Emsco Derrick & Equipment Company. (See Stafford, Lyman K., assignor.)
Emsco Derrick & Equipment Company. (See Stevenson, Edward E., assignor.)
Emsco Derrick & Equipment Company. (See Tremolada, Guglielmo, assignor.)
Enamel Products Company, The. (See Geiger, Frederick, assignor.)
Ende, Frank M., New York, N. Y. Diathermy. 1,814,791; July 14.
Enderby, George H., Newlyn-West, Penzance, England. Brake and clutch gear. 1,793,470; Feb. 24.
Enderich, Winfield S. (See Fiegel, W. J., and Enderich.)
Enderle, Walter, Stuttgart, Germany. Envelope for X-ray plates. 1,801,546; Apr. 21.
Enderlein, Hans. (See Heuck, C., and Enderlein.)
Enderlin, Richard P., assignor to Foraline Products Inc., Circleville, Ohio. Jar or similar article. Des. 85,690; Dec. 8.
Enders, Hugo E., Belleville, assignor to Monroe Calculating Machine Company, Orange, N. J. Register. 1,788,284; Jan. 6.
Enders, Jacob M., Schenectady, N. Y. Combined antirattler and window-latching device. 1,788,666; Jan. 13.
Enders Razor Company. (See Bigoney, Thomas W., assignor.)
Enderwood, Richard C., assignor to Brandes Laboratories, Incorporated, Newark, N. J. Radio tuning apparatus. 1,834,272; Dec. 1.
Endicott, George F., St. Paul, Minn., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,809,836; June 16.
Endicott, George F., St, Paul, Minn., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,835,149; Dec. 8.
Endicott Johnson Corporation. (See Exley, Leo F., assignor.)
Endorf, Charles, Chicago, Ill. Toaster. 1,828,400; Oct. 20.
Endres, Lawrence M., Waunakee, Wis. Connecting plate. 1,796,013; Mar. 10.
Endrezze, William E., Butte, Mont. Compound agitator for flotation separators. 1,795,113; Mar. 3.
Endsley, Abel R., et al. (See Endsley, Roy H., assignor.)
Endsley, Garver H., Frankfort, Ind. Casket lamp. Re18,271; Dec. 8.
Endsley, Louis E. (See Hunter, P. E., and Endsley.)
Endsley, Louis E., Pittsburgh, Pa. Tank-car structure. 1,790,855; Feb. 3.
Endsley, Louis E., Pittsburgh, Pa., assignor to Verona Tool Works, Verona, Pa. Railway-rail bender. 1,799,680; Apr. 7.
Endsley, Roy H., Mishawaka, assignor of one-third to J. L. Bowman, South Bend., Ind., and one-third to A. R. Endsley, Tucson, Ariz. Pliers. 1,814,589; July 14.
Endsley, William H., Maud, Okla. Direct pulling pipe spinning winch. 1,811,686; June 23.
Engberg, Axel O., and F. Carlstedt, Stockholm, Sweden, assignors to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Supporting device for cleaners. 1,792,007; Feb. 10.
Engberg, Axel O., and T. E. D. Bilde, Stockholm, Sweden, assignors to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Floor polisher. 1,799,962; Apr. 7.
Engbrecht, Herman J., Chicago, Ill. Receptacle evacuating apparatus. 1,817,918; Aug. 11.
Engbrecht, Herman J., Kansas City, Mo., assignor to Standard Oil Company, Whiting, Ind. Receptacle-evacuating apparatus. 1,818,122; Aug. 11.
Engbrecht, Herman J., Kansas City, Mo., assignor to Standard Oil Company, Whiting, Ind. Adapter for the drain outlets of crank cases. 1,818,123; Aug. 11.
Engbrecht, Herman J., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Drain pipe device. 1,818,124; Aug. 11.
Engel, Albert W., Chicago, Ill. Corner-pocket-mounting device. 1,799,221; Apr. 7.
Engel, Albert W., Chicago, Ill. Picture mounting device. 1,811,116; June 23.
Engel, Anna, Bergamo, Italy. Apparatus for the manufacture of cardboard and the like in continuous webs. 1,823,792; Sept. 15.
Engel Brothers, Inc. (See Engel, Frederick W., assignor.)
Engel, Bruno. (See Pier, M., Wietzel, and Engel.)
Engel, Edwin F., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Apparatus for washing barrels. 1,820,608; Aug. 25.
Engel, Frederick, Miamisburg, Ohio. Making round piles of sliver in cordage machines. 1,825,784; Oct. 6.
Engel, Frederick W., Elmhurst, assignor to Engel Brothers, Inc., New York, N. Y. Bracelet. 1,814,792; July 14.
Engel, Hans, Stettin, Germany. Kiln for the production of cement. 1,827,144; Oct. 13.
Engel, Josef, Praha, Czechoslovakia. Illuminated advertising device. 1,832,369; Nov. 17.
Engel, Theodor, Wiesbaden, Germany. Device for manufacturing arch supports. 1,830,647; Nov. 3.
Engel, Theodor, Wiesbaden, Germany. Device for aiding in manufacturing arch supports. 1,830,648; Nov. 3.
Engel, Walther, Berlin-Lichterfelde, Germany, assignor to General Electric Company. Control system for conveyers. 1,790,641; Feb. 3.
Engelbrecht, Curt. (See Peterson, I., and Engelbrecht.)
Engelhard, Charles, Inc. (See Hebler, William O., assignor.)
Engelhardt, Alfred, Wiesdorf, near Cologne, Germany, assignor, by mesne assignments, to America Lurgi Corporation, New York, N. Y. Separating organic gases or vapors of organic products. 1,815,554; July 21.
Engelhardt, Felix. (See Bergen, G., Engelhardt, and Steckhan.)
Engelhardt, G., & Co., "Chasalla"-Schuhfabrik A.-G. (See Engelhardt, G., and Siebeneichner, assignors.)
Engelhardt, Georg, Cassel-Wilhelmshohe, and H. G. Siebeneicher, Leipzig, assignors to the Firm G. Engelhardt & Co., "Chasalla" Schuhfabrik A. G., Cassel, Germany. Key operated foot measuring device. 1,823,793; Sept. 15.
Engelhardt, Karl, Kenilworth, assignor to Electro Dynamic Company, Bayonne, N. J. Dynamo electric machine construction. 1,820,531; Aug. 25.
Engelhardt, Rudolf, Leverkusen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Nonirritating composition containing organic compounds which irritate the skin. 1,820,607; Aug. 25.
Engelhardt, Rudolf, Leverkusen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Shuttle from wood. 1,832,971; Nov. 24.
Engelhardt, Victor, Berlin-Charlottenburg, and R. Gross, Hohenneuendorf, near Berlin, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. High frequency induction furnace or heating apparatus. 1,837,031; Dec. 15.
Engelhart, Alexie C., Memphis, Tenn. Liquid heater. 1,795,253; Mar. 3.
Engelmann, Max. (See Hoffmann, K., and Engelmann.)
Engelmann, Max, Lausa, Germany. Cinematographic projection apparatus. 1,804,499; May 12.
Engelmann, Max, assignor to Ernst Leitz, Optische Werke, Wetzler, Germany, Binocular microscope. 1,818,974; Aug. 18.
Engelmann, Max, and F. J. Funk, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Mercury-containing disinfectants and making same. 1,801,144; Apr. 14.
Engelmann, Max, and F. J. Funk, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Disinfecting agent. 1,801,145; Apr. 14.
Engels, Adolf, Altwasser, assignor to Schlesische Spiegelglas-Manufactur Carl Tielsch, G. m. b. H., Waldenburg-Altwasser, Germany. Process and contrivance for the manufacture of wire-glass plates with wires running in one direction. 1,790,043; Jan. 27.
Engels, Eugene O., assignor to Baker Perkins Company, Saginaw, Mich. Gas mixing apparatus. 1,812,089; June 30.
Engels, Herman L. (See Buslaff, R., and Engels.)
Engels, William H., Rahway, N. J., assignor to Merck & Co., New York, N. Y. Preparing absolute alcohol and commercially-pure powdered hydrated lime. 1,790,907; Feb. 3.
Engert, Frederico, Rio de Janeiro, Brazil. Kindling device. 1,792, 899; Feb. 17.
Enghauser, Winford L., Cincinnati, Ohio. Machine for forming openings in piping. 1,813,152; July 7.
Engineering Development Associates. (See Hewitt, Ashley C., assignor.)
Engineering Products Corporation. (See Barhoff, Fred W., assignor.)
Engineering Products Corporation. (See Burkholder, Theodore M., assignor.)
Engineering Products Corporation. (See Sprong, Severn D., assignor.)
Engl, Josef. (See Vogt. H., Massolle, and Engl.)
Engl, Morris, and G. Mirus, New York, N. Y. Statistical chart. Des. 84,574; July 7.
England, Benjamin C., Pedricktown, N. J. Transplanter. 1,807,474; May 26.
England, Henry C., Flint, Mich. Educational picture exhibitor. 1,825,900; Oct. 6.
England, Lee R., Carter, Okla. Ear suction cup. 1,805,471; May 19.
Englander, Irving. (See Valentine, J. E., and Englander.)
Englander, Louis, Philadelphia, Pa. Pen-point protector. 1,793,450; Feb. 17.
Engle, Edgar W., Lake Forest, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Electrolytic filter condenser. 1,808,498; June 2.
Engle, Edgar W., Lake Forest, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Using electrolytic rectifiers in series. 1,810,395; June 16.
Engle, James J., et al. (See Woods, Robert G., assignor.)
Engle, John F., Lakewood, Ohio. Sound reproducing and amplifying system. 1,789,700; Jan. 20.
Engler, Otto, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. Heat exchanger. 1,796,707; Mar. 17.
Engler, Otto, assignor to Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung, Kassel-Wilhelmshohe, Germany. Heat exchanger. 1,802,413; Apr. 28.

Englisch, O. B., et al. (See Moreton, Henry H., assignor.)
English, Analdo M., Brookline, assignor, by mesne assignments, to Pneumatic Scale Corporation, Limited, Quincy, Mass. Wrapping machine. 1,810,471; June 16.
English, Athena J., assignor of one-half to S. C. Stamoulis, Chicago, Ill. Cleaning compound. 1,823,192; Sept. 15.
English Electric Company, The. (See Calverley, J. E., and Highfield, assignors.)
English Electric Company Limited, The. (See Calverley, J. E., and Highfield, assignors.)
English, Fred S., New London, Conn. Sheet rack for presses. 1,787,572; Jan. 6.
English, John, assignor to Chance Brothers and Co. Limited, Glass Works, Smethwick, England. Removal of impurities from sand, clay, and the like materials. 1,824,807; Sept. 29.
English, Joseph E., Langley Field, Va. Power-transmission device. 1,796,985; Mar. 17.
English, Solomon, London, England, assignor to Holophane Company, Inc., New York, N. Y. Luminair. 1,799,290; Apr. 7.
English Steel Corporation Limited. (See Archer, John, assignor.)
Englund, Carl R., Freehold, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio direction finder. 1,815,246; July 21.
Englund, Edwin H. L., assignor of one-twentieth to C. H. Anderson, one-twentieth to G. C. Anderson, and one-twentieth to Benjamin Brauer, Muskegon Heights, Mich. Street indicator. 1,831,294; Nov. 10.
Englund, Ernst E., assignor to The Ohio Cultivator Company, Bellevue, Ohio. Plow. 1,827,001; Oct. 13.
Englund, Leonard H., Winona, Minn. Method and apparatus for making infusions. 1,789,334; Jan. 20.
Englund, Theodore C., Minneapolis, Minn. Animal trap. 1,810,163; June 16.
Engstrom, Birger, assignor to Forster Manufacturing Company, Pittsburgh, Pa. Toy cannon. 1,807,974; June 2.
Engstrom, Carl O., Sacramento, Calif. Photographic film support. 1,825,310; Sept. 29.
Engstrom, Ernest P., assignor to The McNeil Boiler Company, Akron, Ohio. Traction device. 1,820,695; Aug. 25.
Engstrom, Ernest P., assignor to The McNeil Boiler Company, Akron, Ohio. Tractor band. 1,820,882; Aug. 25.
Engstrom, Eugene A. (See Garno, G. E., and Engstrom.)
Engstrom, Gustaf W., Riverside, Ill., assignor to International Harvester Company. Condenser system for rail cars. 1,797,910; Mar. 24.
Engstrom, Gustaf W., Riverside, Ill., assignor to International Harvester Company. Torque beam for railway trucks. 1,832,008; Nov. 17.
Engstrom, Henry O., Bridgeport, Conn., assignor to General Electric Company. Electric-switch contact. 1,797,948; Mar. 24.
Engstrom, Henry O., assignor to The Bridgeport Switch Co., Inc., Bridgeport, Conn. Snap switch. 1,832,286; Nov. 17.
Enlund, Bror D., Degerfors, Sweden, assignor to Henning Enlund, Binghamton, N. Y. Determining the tensile strength of iron and steel. 1,829,793; Nov. 3.
Enlund, Henning. (See Enlund, Bror D., assignor.)
Ennis, Charles E., El Paso, Tex. and H. W. Crawford, Albuquerque, N. Mex. Charge humidifier for explosive engines. 1,806,049; May 19.
Ennis, Charles E., El Paso, Tex., and H. W. Crawford, Albuquerque, N. Mex. Charge humidifier for explosive engines. 1,822,962; Sept. 15.
Ennis, Charles E., El Paso, Tex., and J. W. Reynolds, Marysville, Kans. Tie plate. 1,822,963; Sept. 15.
Ennis, Charles H., Rome, Iowa. Triangular garden hoe. 1,832,193; Nov. 17.
Ennis, Ford B., Bridgeport, Conn., assignor to General Electric Company. Attachment plug. 1,830,597; Nov. 3.
Ennis, Frederick J., Palmyra, N. J. Aeroplane ascension apparatus. 1,787,438; Jan. 6.
Ennis, Joseph B., Paterson, N. J. Locomotive bed. 1,831,806; Nov. 17.
Ennis, Joseph B., Paterson, N. J. Articulated locomotive. 1,833,673; Nov. 24.
Enochs, Clifford I., Ardmore, Pa. Memorial stone for graves. Des. 84,927; Aug. 25.
Enochs, Clifford I., Ardmore, Pa. Memorial stone for graves. Des. 84,928; Aug. 25.
Enock, Arthur G., Wembley Park, England. Apparatus for transferring bottles or containers from one level to another. 1,821,883; Sept. 1.
Enock, Arthur G., Wembley Park, assignor to Burlectas Limited, London, England. Bottle capping or filling machine. 1,794,005; Feb. 24.
Enock, Arthur G., Wembley Park, assignor to Burlectas Limited, London, England. Apparatus for cleaning bottles. 1,795,545; Mar. 10.
Enock, Arthur G., Wembley Park, assignor to Burlectas Limited, London, England. Apparatus for automatically measuring and delivering milk or other liquids. 1,809,163; June 9.
Enock, Arthur G., Wembley Park, assignor to Burlectas Limited, London, England. Bottle crate. 1,834,273; Dec. 1.
Enos, Elmer E., Spokane, Wash. Vehicle brake. 1,827,976; Oct. 20.
Ens, Emil J., assignor to Ellis Adding Typewriter Company, Newark, N. J. Rack controlling calculating machines. 1,813,037; July 7.
Ens, Emil J., assignor to Ellis Adding Typewriter Company, Newark, N. J. Automatic accumulator selector for calculating machines. 1,815,352; July 21.
Ens, Emil J., assignor to Ellis Adding Typewriter Company, Newark, N. J. Quadruplex accumulator calculating machine. 1,819,084; Aug. 18.
Ensel, Theodore, Peru, Ind. Heater. 1,829,794; Nov. 3.
Ensign-Bickford Co., The. (See Ellsworth, Henry E., assignor.)
Ensign Carburetor Company. (See Ensign, Orville H., assignor.)
Ensign Carburetor Co. (See Ensign, Roy F., assignor.)
Ensign, Orville H., Pasadena, assignor to Ensign Carburetor Company, Los Angeles, Calif. Carburetor. 1,792,080; Feb. 10.
Ensign, Orville H., Pasadena, assignor to Ensign Carburetor Company, Los Angeles, Calif. Carburetor. 1,799,585; Apr. 7.
Ensign-Reynolds, Inc. (See Ensign, W. B., and Reynolds, assignors.)
Ensign, Roy F., South Pasadena, assignor to Ensign Carburetor Co., Ltd., Huntington Park, Calif. Carburetor. 1,805,763; May 19.
Ensign, Roy F., South Pasadena, assignor to Ensign Carburetor Co. Ltd., Los Angeles, Calif. Carburetor. 1,826,061; Oct. 6.
Ensign, William B., and L. H. V. Reynolds, assignors to Ensign-Reynolds, Inc., New York, N. Y. Ribbon burner. 1,789,226; Jan. 13.
Ensign, William B., and L. H. V. Reynolds, assignors to Ensign-Reynolds, Inc., New York, N. Y. Blast burner. 1,814,910; July 14.
Enslin, Herbert E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for lacing shoe uppers. 1,803,408; Apr. 28.
Ensminger, Charles C., Jacksonville, Fla. Agricultural machine. 1,816,999; Aug. 4.
Ensslin, Adolf, North Attleboro, Mass. Tumbling machine. 1,806,194; May 19.
Enstrom, August, assignor to Pettibone Mulliken Company, Chicago, Ill. Split-switch structure. 1,818,885; Aug. 11.
Enstrom, August, assignor to Pettibone Mulliken Company, Chicago, Ill. Switch point rail. 1,829,439; Oct. 27.
Enterprise Aluminum Company, The. (See Krause, Richard F., assignor.)
Enterprise Holding Company. (See Johnson, John O., assignor.)
Enterprise Manufacturing Company, The. (See Asbury, Charles W., assignor.)
Enterprise Manufacturing Company, The. (See McIntosh, James R., assignor.)
Enterprise Manufacturing Company, The. (See Pflueger, Charles T., assignor.)
Enterprise Manufacturing Company, The. (See Pflueger, C. T., and Adams, assignors.)
Enterprise Manufacturing Company of Pennsylvania, The. (See Brown, John W., jr., assignor.)
Enterprise Optical Mfg. Co. (See Spahr, Oral F., assignor.)
Enterprise Optical Mfg. Co. (See Wienke, Emil J., assignor.)
Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)
Enterprise Railway Equipment Company. (See Campbell, A., and Willard, assignors.)
Enterprise Railway Equipment Company. (See Dorey, George B., assignor.)
Entez, Ferdinand S. (See Korn, F. A., and Entz.)
Entwisle & Kenyon Limited. (See Townley, William, assignor.)
Entz, Ferdinand S. (See Abbott, H. H., and Entz.)
Enyeart, James F., Denver, Colo. Toy motor. 1,820,967; Sept. 1.
Enzenauer, Edward M., Maywood, and R. H. Mitchell, Huntington Park, Calif., assignors to Killefer Manufacturing Corporation. Offset disk harrow. 1,824,011; Sept. 22.
Enzler, Jack J., Portland, Oreg. Finger exerciser. 1,833,357; Nov. 24.
Eppensteiner, William F. (See Eppensteiner, William F. and W. F.)
Eppensteiner, William F., Rahway, assignor to United States Metals Refining Company, Carteret, N. J. Mold for casting copper. 1,830,227; Nov. 3.
Eppensteiner, William F., Rahway, and W. F. Eppensteiner, Woodbridge, assignors to United States Metals Refining Company, Carteret, N. J. Starting cathode for electrolytic refining of copper and other metals. 1,836,368; Dec. 15.
Eppensteiner, William F., Rahway, and J. Groom, assignors to United States Metals Refining Company, Carteret, N. J. Apparatus for use in poling copper. 1,833,894; Dec. 1.
Eppensteiner, William F., and H. Morecraft, Rahway, assignor to United States Metals Refining Company, Carteret, N. J. Apparatus for recovering easily-fusible metals. 1,826,755; Oct. 13.
Epple, Elmer C., Marietta, Ohio. Ice-cream-dispensing can. 1,795,849; Mar. 10.

Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for forming close shanks. 1,792,531; Feb. 17.
Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pressing machine for use in the manufacture of boots and shoes. 1,816,962; Aug. 4.
Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pressing machine for use in the manufacture of boots and shoes. 1,816,963; Aug. 4.
Eppley, Walter S., York, Pa. Fluid-operated mechanism for railway switches. 1,789,621; Jan. 20.
Eppley, Walter S., York, Pa. Control panel for electric railway switches. 1,837,956; Dec. 22.
Epstein, Albert K. (See Reynolds, M. C., and Epstein.)
Epstein, Albert K., and B. R. Harris, Chicago, Ill. Egg white process. 1,818,212; Aug. 11.
Epstein, Albert K., and B. R. Harris, Chicago, Ill. Egg white process. 1,818,213; Aug. 11.
Epstein, Albert K., and B. R. Harris, Chicago, Ill. Egg white process. 1,818,214; Aug. 11.
Epstein, Albert K., and B. R. Harris, Chicago, Ill. Egg white product and process. 1,818,215; Aug. 11.
Epstein, Barnett, New York, N. Y. Pocketbook. 1,821,379; Sept. 1.
Epstein, Benjamin B., Brooklyn, assignor to The Lees Manufacturing Company, New York, N. Y. Tie cord. 1,820,868; Aug. 25.
Epstein, Charles, Brooklyn, N. Y. Material check. 1,789,431; Jan. 20.
Epstein & Harris. (See Urkov, J., and Harris, assignors.)
Epstein, Harris, Rockaway Beach, N. Y. Vegetable grater. 1,799,963; Apr. 7.
Epstein, William C., assignor to The Duo-Tor Manufacturing Company, Dayton, Ohio. Combined incinerator and water heater. 1,794,947; Mar. 3.
Epstein, William C., assignor to The Duo-Tor Manufacturing Company, Dayton, Ohio. Gas burner and the like. 1,826,205; Oct. 6.
Epton, Arthur I., and M. W. Feldman, Chicago, Ill. Door mounting. 1,831,850; Nov. 17.
Equipment Specialties Co. (See Hull, George A., assignor.)
Equitable Paper Bag Co. (See Poppe, George W., assignor.)
Erb, George C., Roselle Park, N. J., assignor to American Can Company, New York, N. Y. Compound lining machine. 1,798,407; Mar. 31.
Erb, Karl, Frankfort-on-the-Main-Griesheim, Germany. Decorticating and depulping machine. 1,790,980; Feb. 3.
Erb, Karl, Frankfort-on-the-Main-Griesheim, Germany. Decorticating and depulping machine and method. 1,794,065; Feb. 24.
Erba Aktiengesellschaft. (See Seck, Willy, assignor.)
Erbach, Frederick R., assignor to Kelvinator Corporation, Detroit, Mich. Refrigeration. 1,797,764; Mar. 24.
Erbach, Frederick R., assignor to Kelvinator Corporation, Detroit, Mich. Circuit control mechanism for mechanical refrigerating apparatus. 1,824,774; Sept. 29.
Erbach, Frederick R., assignor to Kelvinator Corporation, Detroit, Mich. Fluid cooler. 1,826,345; Oct. 6.
Erban Patents Corporation. (See Erban, Richard, assignor.)
Erban, Richard, assignor to Erban Patents Corporation, New York, N. Y. Gearing for transmitting rotary motions. Re18,175; Sept. 1.
Erber, Bernhard, Vienna, Austria. Producing openings, passages and the like in molten or pressed glass bodies. 1,815,146; July 21.
Erbes, William O., Everett, Wash. Sound resonator. 1,833,157; Nov. 24.
Erby, Philip, assignor to Samuel Olson & Company, Inc., Chicago, Ill. Pneumatic tube carrier. 1,807,834; June 2.
Ercanbrack, John E., Chicago, Ill. Casing and coil assembly for heat transfer devices. 1,806,450; May 19.
Erdle, Reiner W., assignor to Anstenal Laboratories, Inc., New York, N. Y. Making swaged denture-bases and dies for the same. 1,834,123; Dec. 1.
Erdman, Peter M., Los Angeles, Calif. Oil tank cleansing device. 1,821,503; Sept. 1.
Erdmann, Erich, Ihmert, Germany. Frictionless automatic device for raising wire windings on vertical conical winding-up drums. 1,810,270; June 16.
Erf, Oscar, Columbus, Ohio. Treating hay. 1,804,602; May 12.
Erhard, Antoinette. (See Erhard, John W. and A.)
Erhard, John W. and A., New York, N. Y. Bathtub seat. 1,824,396; Sept. 22.
Erhart, Emil, et al. (See Yaggy, Menno, assignor.)
Erhart, Louis F. (See Schmidt, J. F., Erhart, and Wright.)
Erickson, Albert N., Elmhurst, N. Y. Freezing point lowering composition. 1,804,463; May 12.
Erickson, Albert N., Elmhurst, assignor to Union Carbide Company. Head for gas detectors. 1,798,977; Mar. 31.
Erickson, August P., Bellingham, Wash. Meat grinder cleaner. 1,801,547; Apr. 21.
Erickson, C. E., Company. (See Erickson, Ernest R., assignor.)
Erickson, Carl E., Minneapolis, Minn. Speedometer glass attachment. 1,830,054; Nov. 3.
Erickson, Carl I., Glendale, Ariz. Pivot point. 1,818,886; Aug. 11.
Erickson, Charles, St. Cloud, Minn. Vehicle snubber. 1,819,548; Aug. 18.
Erickson, Edward S., Salem, Ohio. Portable grinding and polishing device. 1,829,440; Oct. 27.
Erickson, Edwin E., Highland Park, Mich. Wringer. 1,796,446; Mar. 17.
Erickson, Emil A., Milwaukee, Wis. Alcohol saver. 1,801,229; Apr. 14.
Erickson, Ernest R., Des Moines, Iowa, assignor to C. E. Erickson Company, Inc. Oilmeter. 1,803,694; May 5.
Erickson, Ervil H., et al. (See Swanjord, Knute, assignor.)
Erickson, Frederic W., Larchmont, N. Y. Night and day stadium. 1,800,984; Apr. 14.
Erickson, Frederick W., Larchmont, N. Y. Power cutter for round metal objects. 1,814,675; July 14.
Erickson, George L. (See Morgenstern, Ronald V., and Erickson.)
Erickson, Gordon E., Minneapolis, Minn. Wedding ring. Des. 84,031; Apr. 28.
Erickson, Helmer E. (See Buettner, R. W., Erickson, and Talboys.)
Erickson, Hilder, Pocahontas, Iowa. Sanitary hen's nest. 1,796,246; Mar. 10.
Erickson, James M., Glasgow, Mont. Unloading device for buck rakes. 1,811,310; June 23.
Erickson, John, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic switch. 1,794,888; Mar. 3.
Erickson, John, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Ratchet device for switch mechanism. 1,801,338; Apr. 21.
Erickson, John, assignor of fifty-one one-hundredths to Sweet & Doyle Foundry & Machine Co., Troy, N. Y. Hydraulic faucet. 1,804,865; May 12.
Erickson, John E., St. Paul, Minn. Edge trimmer for lawns. 1,798,320; Mar. 31.
Erickson, John E., East Grand Forks, Minn. Funnel. 1,810,822; June 16.
Erickson, Ole A., et al. (See Swanjord, Knute, assignor.)
Erickson, Oscar, Quincy, Mass., assignor to William W. Fraser, trustee, New York, N. Y. Rake. 1,791,266; Feb. 3.
Erickson, Willard E. (See Kidder, E. H., and Erickson.)
Erickson, Willard E., assignor to Link-Belt Company, Chicago, Ill. External counterweight device for gondola car dumpers. 1,807,902; June 2.
Erickson, Willard E., assignor to Link-Belt Company, Chicago, Ill. External counterweight for car dumpers. 1,812,040; June 30.
Ericson, Carl H., Boston, Mass. Internal combustion motor. 1,827,938; Oct. 20.
Ericson, Charles E., Los Angeles, Calif. Diamond floor polisher. 1,805,516; May 19.
Ericson, Emile, Pelham, N. Y., assignor to Prager Co., Inc. Wall paper or similar article. Des. 85,466; Nov. 3.
Ericson, Emile, Pelham, N. Y., assignor to Prager Co., Inc. Wall paper or similar article. Des. 85,467; Nov. 3.
Ericson, Eric P., and W. J. Moyle, Hibbing, Minn. Control valve plunger. 1,822,617; Sept. 8.
Ericson, Eric W. (See Carlson, A., and Ericson.)
Ericson, George W., Galesburg, Ill. Trough. 1,826,277; Oct. 6.
Ericson, Gunnar F. (See Jacobson, G., and Ericson.)
Ericson, Job E., Oakland, Calif. Fluid flow silencer. 1,833,518; Nov. 24.
Ericson, John E. (See Lindgren, Waldemar L., assignor.)
Ericsson, Arthur W., Brooklyn, N. Y. Handle member for razor blades. 1,827,509; Oct. 13.
Ericsson, Arvid, assignor to Union Special Machine Company, Chicago, Ill. Button sewing machine. 1,812,327; June 30.
Ericsson, Arvid, assignor to Union Special Machine Company, Chicago, Ill. Loop retainer for sewing machines. 1,825,513; Sept. 29.
Ericsson, Carl O. (See Christiansen, Ejnar, assignor.)
Ericsson, Eric W., Brooklyn, N. Y. Knife. 1,803,176; Apr. 28.
Ericsson, Eric W., Brooklyn, N. Y. Safety razor. 1,803,177; Apr. 28.
Erie City Iron Works. (See Carlson, Carl T., assignor.)
Erie City Iron Works. (See Reese, Lemuel V., assignor.)
Erie City Iron Works. (See Tsagaris, John G., assignor.)
Erie City Iron Works. (See Wohlenberg, Walter J., assignor.)
Erie Day School. (See Gifford, Anna F., assignor.)
Erie Foundry Company. (See Derby, Frank H., assignor.)
Erie Malleable Iron Company. (See Cox, John W., assignor.)
Erie Malleable Iron Company. (See Metcalf, George R., jr., assignor.)
Erie Malleable Iron Company. (See Metcalf, G. R., jr., and Raybould, assignors.)
Erie Malleable Iron Company. (See Raybould, Frank J., assignor.)
Erie Malleable Iron Company. (See Selah, Howard A., assignor.)
Erie Malleable Iron Company. (See Swanson, Elmer J. S., assignor.)
Erie Malleable Iron Company. (See Tiefenbacher, Thomas B., assignor.)

Erie Malleable Iron Company. (See Waite, Lorenzo E., assignor.)
Erie Malleable Iron Company. (See Walker, Edward E., assignor.)
Erie Meter Systems, Inc. (See McDougall, Gilbert W., assignor.)
Erie Oil Company. (See Blocki, Herbert J., assignor.)
Erie Restaurant Equipment Company. (See Bryson, Charles G., assignor.)
Erie Stove & Manufacturing Company. (See Geurink, Louis H., assignor.)
Erikson, Edward. (See Reinstein, M., and Erikson.)
Erikson, Gust E., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Stopple. 1,808,644; June 2.
Erikson, Harry, Lowell, Mass., assignor to Norko Mfg. Co., Pawtucket, R. I. Vulcanizer. 1,788,568; Jan. 13.
Erikson, Peter S., Chicago, Ill. Bucket elevator. 1,820,609; Aug. 25.
Eriksson, August E., Dals Lerdal, Sweden. Sieve. 1,821,261; Sept. 1.
Eriksson, Bengt G., Orebro, Sweden. Tent. 1,818,545; Aug. 11.
Eriksson, Erik J., Duluth, Minn. Pressed metal keg. 1,802,638; Apr. 28.
Eriksson, Erik O., Lidingo, Sweden, and G. Nordgren, London, England, assignors to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden. Blade ring for radial flow elastic fluid turbines. 1,831,104; Nov. 10.
Eriksson, Fredrik L., Gefle, Sweden. Purse. 1,807,655; June 2.
Eriksson, Johan A., Stockholm, Sweden. Manufacturing porous material from Portland cement. 1,819,018; Aug. 18.
Erkens, Paul, Duren, Germany. Long-sieve machine for the manufacture of multiple-web papers and cardboard. 1,799,092; Mar. 31.
Erl, Otto, assignor to Otto Food Machinery Company, Oakland, Calif. Vegetable slicer. 1,827,977; Oct. 20.
Erlandson, Emil M., Los Angeles, Calif. Wedge coupled joint. 1,823,971; Sept. 22.
Erlanger, Milton S. (See Clark, Edgar R., assignor.)
Erlendson, John, and V. G. Faulhafer, Vancouver, British Columbia, Canada. Attachable bracket shelf. 1,807,517; May 26.
Erlewine, Walter W., Long Beach, Calif., assignor to Marion Machine, Foundry & Supply Co., Marion, Ind. Sheave crown block. 1,797,406; Mar. 24.
Erlinder, Peder E. (See Nordell, C. H., and Erlinder.)
Erlwein, Georg. (See Schmidt, H., Erlwein, and Hosenfeld.)
Erne, John A., Spokane, Wash. Pliers. 1,813,038; July 7.
Ernst, Alfred F. (See La Mont, W. D., and Ernst.)
Ernst, Clemens J., Fort Loramie, Ohio. Automatic feed wheel blower. 1,837,957; Dec. 22.
Ernst, Frank A., Somerset, Md. Process for the direct synthesis of ammonia. 1,832,972; Nov. 24.
Ernst, George, Newark, N. J. Gage glass connecter. 1,832,106; Nov. 17.
Ernst, Hans, assignor to The Cincinnati Milling Company, Cincinnati, Ohio. Machine-tool drive. 1,788,761; Jan. 13.
Ernst, Hans, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Hydraulic valve. 1,820,653; Aug. 25.
Ernst, Hans, and L. F. Nenninger, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Auxiliary manual means for actuating hydraulic motors. 1,832,694; Nov. 17.
Ernst, Hans, and L. F. Nenninger, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Machine tool saving hydraulic feed. 1,835,976; Dec. 8.
Ernst, Hans, and L. F. Nenninger, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Hydraulic system. 1,835,977; Dec. 8.
Ernst, Hans, and L. F. Nenninger, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Multiple closed circuit hydraulic system. 1,835,978; Dec. 8.
Ernst, Hans, and L. F. Nenninger, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Three-pump hydraulic system. 1,835,979; Dec. 8.
Ernst, Hans, and L. F. Nenninger, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Referred action reversing mechanism. 1,838,028; Dec. 22.
Ernst, Otto, and H. Lange, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing chloracetaldehyde. 1,806,285; May 19.
Ernst, Otto, and H. Lange, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing 1,1,2-trichlorethane. 1,833,358; Nov. 24.
Ernst, Otto, and H. Lange, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Process of preparing 1,1,2-trichlorethane. 1,833,393; Nov. 24.
Ernst, Walter. (See Niederreither, H., and Ernst.)
Ernst, Walter, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Control mechanism for hydraulic presses. Re18,287; Dec. 15.
Ernst, Walter, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Radial pump. 1,818,611; Aug. 11.
Ernst, Walter, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. 1,819,703; Aug. 18.
Errera, Attilio, assignor to Societa Italiana Registratori Sir, Turin, Italy. Computing machine. 1,823,262; Sept. 15.
Errig, William F., Philadelphia, Pa. Dispenser. 1,832,287; Nov. 17.
Erroll, Robert, Chicago, Ill. Window. 1,832,107; Nov. 17.
Error-No Inc. (See Harper, C. C., and Kitendaugh, assignors.)
Erskine, James R., and H. Hedburg, Fresno, Calif. Compressor valve. 1,829,954; Nov. 3.
Erskine, Thomas C., Columbus, Ohio, assignor to United Shoe Machinery Corporation, Paterson, N. J. Gauge. 1,789,305; Jan. 20.
Erstein, Jesse H., Larchmont, N. Y. Lining for hats. 1,829,269; Oct. 27.
Ertel, John C., jr., Indianapolis, Ind. Machine for drilling valve guides. 1,837,419; Dec. 22.
Ertola, Charles A., San Francisco, Calif. Dispensing device. 1,793,787; Feb. 24.
Ertola, Sylvio C., San Francisco, Calif. Tool. 1,828,106; Oct. 20.
Ervay, John F., Portland, Oreg. Carpenter's hammer. 1,822,280; Sept. 8.
Ervin, George J. (See Johnson, William F., assignor.)
Erwin, Charles, Akron, Ohio. Platform construction. 1,832,537; Nov. 17.
Erwin, Lawrence B., Marblehead, Mass. Button fastener. 1,801,850; Apr. 21.
Erwin, Lawrence B., Marblehead, Mass. Button fastener. 1,808,535; June 2.
Erwin, Lawrence B., Marblehead, Mass., assignor to H. H. Ellsworth, Cohasset, Mass. Antiskid device for automobiles. 1,830,534; Nov. 3.
Esau, Abraham, Jena, Germany. Short wave oscillator. 1,806,245; May 19.
Esau, Abraham, Jena, Germany. Wireless transmission system. 1,823,794; Sept. 15.
Esau, Abraham, Jena, Thuringia, Germany. Testing the purity of solid or liquid hydrocarbons. 1,836,316; Dec. 15.
Esbjornson, Per H., Duluth, Minn. Window. 1,812,041; June 30.
Escaffre, Joseph, Courbevoie, France. Carburetor for heavy fuels in internal combustion engines. 1,828,770; Oct. 27.
Esch, William T., Kalama, Wash. Hen's nest. 1,832,370; Nov. 17.
Eschenbach, Gustavus W., Los Angeles, Calif. Interchangeable block billboard. 1,809,378; June 9.
Eschenfeld, Hilda. (See Michaelson, Andrew E., assignor.)
Eschholz, Otto H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Arc-rupturing apparatus. 1,795,850; Mar. 10.
Eschholz, Otto H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gas exchange system. 1,811,462; June 23.
Eschholz, Otto H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oil circuit breaker. 1,825,311; Sept. 29.
Eschholz, Otto H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vacuum circuit breaker. 1,819,154. Aug. 18.
Eschner, Leroy. (See Worthington, Everett, assignor.)
Escobedo, Pablo, assignor of one-half to California Sitton, East St. Louis, Ill. Submarine. 1,817,742; Aug. 4.
Escol, Jules, Catelet, Belgium. Protecting sheath for electric wires. 1,813,039; July 7.
Escola, Paul, assignor to Ateliers de Construction & Fonderes de Jeumont, Jeumont, France. Glass sheet drawing apparatus. 1,805,329; May 12.
Escole, Paul, assignor to Ateliers de Construction & Fonderies de Jeumont (Anciens Etablissements Th. Haut,) Jeumont, France. Glass-sheet-drawing apparatus. 1,795,254; Mar. 3.
Escole, Paul J. M., assignor to Societe Anonyme des Ateliers de Construction & Fonderies de Jeumont (Anciens Etablissements Th. Haut), Jeumont, France. Glass-spreading roll. 1,790,700; Feb. 3.
Eseman, Walter H., Beverly Hills, assignor to Franco-American Baking Co., Los Angeles, Calif. Dough molder. 1,796,922; Mar. 17.
Eshbaugh, Jesse E., assignor to A C Spark Plug Company, Flint, Mich. Ammeter. 1,805,447; May 12.
Eshbaugh, Jesse E., assignor to A C Spark Plug Company, Flint, Mich. Instrument clamp and light housing. 1,809,682; June 9.
Eshbaugh, Jesse E., assignor to A C Spark Plug Company, Flint, Mich. Gearless pressure gauge. 1,835,561; Dec. 8.
Eskesen, Bennet K. (See Wilde, G. F., and Eskesen.)
Eskilson, Sven A. (See Dalén, G., and Eskilson.)
Eskilson, Sven A., Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Marine light signal reflector. 1,813,874; July 7.
Eskimo Pie Corporation. (See Baxter, William M., assignor.)
Eskridge, Wilbur, assignor of one-third to A. Fleischaker and one-third to V. O. Patterson, Louisville, Ky. Saw guard. 1,795,203; Mar. 3.

Eslava, Jerome O., assignor of one-half to J. B. Robertson, jr., Mobile, Ala. Steam pipe connection. 1,813,613; July 7.
Esmond, Alva R., Union Grove, Wis. Antifrictional means for screws. 1,810,910; June 23.
Esmond, Lewis B., Boston, Mass., and W. W. Duecker, Pittsburgh, Pa. Preparing edible emulsions of solid in fat and product thereof. 1,800,985; Apr. 14.
Esmond, Lewis B., Boston, Mass., and W. W. Duecker, Pittsburgh, Pa. Preparing edible emulsions of solid in fat and product thereof. 1,800,986; Apr. 14.
Esmond, Lewis B., Boston, Mass., and W. W. Duecker, Pittsburgh, Pa. Preparing edible emulsions of solid in fat and product thereof. 1,800,987; Apr. 14.
Esmond, William G., Stratford, Conn., assignor to E. Ames, New York, N. Y. Bulkhead for steel barges. 1,810,310; June 16.
Esmond, William G., Stratford, Conn., assignor to E. Ames, New York, N. Y. Deck structure for barges. 1,832,896; Nov. 24.
Esnault-Pelterie, Robert, Paris, France. Piston connection. 1,796,687; Mar. 17.
Esnault-Pelterie, Robert, Paris, France. Apparatus for testing physical properties of materials. 1,825,387; Sept. 29.
Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Electrical wave filter. 1,795,204; Mar. 3.
Espenschied, Lloyd, Kew Gardens, N. Y., assignor to American Telephone and Telegraph Company. Multiple modulation system. 1,799,159; Apr. 7.
Espenschied, Lloyd, Kew Gardens, N. Y., and H. A. Affel, Ridgewood, N. J., assignors to American Telephone and Telegraph Company. Concentric conducting system. 1,835,031; Dec. 8.
Espig, Hermann. (See Jaeger, M., and Espig.)
Espig, Hermann, and W. Teubner, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Surface treatment of synthetic precious stones. 1,806,588; May 26.
Espig, Hermann, and W. Teubner, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Surface treatment of articles made of synthetic corundum. 1,806,589; May 26.
Espinosa, Eduardo J., Santiago, Cuba. Windmill. 1,812,741; June 30.
Esposto, Modesto E., et al. (See Campodonico, John J., assignor.)
Esselen, Gustavus J., jr., Swampscott, assignor to The Fiberloid Corporation, Indian Orchard, Mass. Method and apparatus for making continuous webs. 1,837,854; Dec. 22.
Esselen, Gustavus J., jr., Swampscott, and R. G. O'Kane, Springfield, assignors to The Fiberloid Corporation, Indian Orchard, Mass. Manufacture of pyroxylin plastic in continuous sheet form. 1,837,855; Dec. 22.
Esseltine, Alfred B., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling loose materials. 1,791,665; Feb. 10.
Essen, Eric E., Brooklyn, N. Y. Spring testing device. 1,822,587; Sept. 8.
Esser, Arthur J., Detroit, Mich. Fuse device. 1,832,194; Nov. 17.
Esser, Heinrich. (See Kunst, Wilhelm, assignor.)
Esser, Hubert, Marshfield, Wis. Truss. 1,791,353; Feb. 3.
Esses, Edward I. (See Esses, Sam I. and E. I.)
Esses, Sam I. and E. I., New York, N. Y. Service station 1,817,679; Aug. 4.
Essex, Carl C., assignor to Pierce Governor Company, Anderson, Ind. Automatic governor. 1,820,384; Aug. 25.
Essex Engine & Machine Corporation. (See Hozack, James, assignor.)
Essex Rubber Company. (See Hoopes, Penrose R., assignor.)
Essex Rubber Company. (See Oakley, Laurence M., assignor.)
Essex Specialty Co. (See Gehrig, William F., assignor.)
Essex Specialty Co. (See Wolf, Benedikt, assignor.)
Essig, Gottlieb F., Philadelphia, Pa. Holder of straps of suspenders and similar articles. 1,804,158; May 5.
Essig, Gottlieb F., Philadelphia, Pa. Slicing machine. 1,817,303; Aug. 4.
Essmann, Carl J. (See Nelson, A. J., and Essmann.)
Essmann, Friedrich A. A., Altona-Nienstedten, Germany. Combined oscillatory or retractible crane and weighing scale. 1,789,731; Jan. 20.
Estapé, José M., Habana, Cuba. Producing pulp. 1,817,548; Aug. 4.
Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)
Estep, Adrian C., Seattle, Wash. Fuel-injection valve. 1,787,975; Jan. 6.
Estep, Adrian C., Seattle, Wash. Valve actuating and controlling mechanism. 1,814,622; July 14.
Estep, Adrian C., Seattle, Wash. Internal combustion engine. 1,814,676; July 14.
Estep, William G., assignor of one-third to R. Hawk and one-third to J. Conlin, Duquesne, Pa. Float controlled valve. Re18,243; Nov. 3.
Estep, William G., assignor of one-third to R. Hawk and one-third to J. Conlin, Duquesne, Pa. Float controlled valve. 1,804,093; May 5.
Esterbrook Steel Pen Manufacturing Co., The. (See Ashmore, Leon H., assignor.)
Esterbrook Steel Pen Manufacturing Co., The. (See Wood, E. S., Haden, Sharp, and Ashmore, assignors.)
Esterman, Joseph, and B. Gellman, London, England. Finger ring. 1,822,392; Sept. 8.
Esterow, Harry, New York, N. Y. Fountain-pen clip or similar article. Des. 83,671; Mar. 17.
Esterow, Harry, New York, N. Y. Fountain pen clip. 1,824,012; Sept. 22.
Esterow, Harry, New York, N. Y. Cigar lighter. 1,835,768; Dec. 8.
Estes, James H. (See Bowman, D. C., Rhodes, and Estes.)
Estes, Job C. (See Denner, P. F., and Estes.)
Estes, Rufus B., Knoxville, Tenn. Vending and display device. 1,832,538; Nov. 17.
Estes, Sophronia I., Miami, Fla. Apron. 1,793,737; Feb. 24.
Estevez, Luis E. (See Estevez, Petro P., and L. E.)
Estevez, Pedro P., and L. E., Habana, Cuba. System of railroad automatic gates. 1,787,674; Jan. 6.
Estey, Harry J., and L. L., Lansing, Mich. Door check. 1,802,639; Apr. 28.
Estey, Lloyd L. (See Estey, Harry J. and L. L.)
Estoppey, Georges, Dayton, Ohio. Bomb sight. 1,804,679; May 12.
Estorff, Walther, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,795,939; Mar. 10.
Estwick, Charles F., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 1,822,572; Sept. 8.
Etablissement Sipno. (See Cordier, André P. E., assignor.)
Etablissements Aera. (See Rougerie, Lucien, assignor.)
Etablissements Ch. Faure-Roux. (See Faure-Roux, Charles, assignor.)
Etablissements Ed. Jaeger. (See Rodanet, Charles H. H., assignor.)
Etablissements Ernest Arnoult. (See Arnoult, Jean B. E. E., assignor.)
Etablissements Georges Koechlin. (See Oswald, Jean, assignor.)
Etablissements Jean Schwarze et H. Mahe, Societe a Responsabilite Limitee. (See Duval, Gaston, assignor.)
Etablissements L. Chambon. (See Chambon, Marius, assignor.)
Etablissements L. Chambon. (See Corse, Gaston, assignor.)
Etablissements Phillips & Pain, Société Anonyme. (See Breuil, Emmanuel, assignor.)
Etablissements Ragonot. (See Toulon, Pierre M. G., assignor.)
Etbauer, William J., assignor of one-half to W. W. Gray, Gann Valley, S. Dak. Tractor guide. 1,833,895; Dec. 1.
Etchart, Martha, Hijo, Buenos Aires, Argentina. Machine for sharpening wooden toothpicks and other similar articles. 1,789,682; Jan. 20.
Eternit, Inc. (See Piessevaux, Georges, assignor.)
Etheridge, Locke, assignor of one-half to J. M. Rogers, Louisville, Ky. Radio receiving system. 1,829,131; Oct. 27.
Ethridge, Albert S., assignor to Hummel & Downing Co., Milwaukee, Wis. Caddy. 1,808,772; June 9.
Ethridge, Roy J., San Antonio, Tex. Protractor. 1,820,128; Aug. 25.
Etoh, Eikichiro, Osaka, Japan. Pencil with two lead carriers. 1,788,285; Jan. 6.
Etten, Nicholas L. (See Noftzger, C. F., and Etten.)
Ettinger, Joe J., assignor to Zimmer Manufacturing Company, Warsaw, Ind. Hospital bed. 1,823,890; Sept. 22.
Ettinger, Joe J., assignor to Zimmer Manufacturing Company, Warsaw, Ind. Surgical splint. 1,823,972; Sept. 22.
Ettinger, Joe J., assignor to Zimmer Manufacturing Company, Warsaw, Ind. Surgical splint. 1,837,153; Dec. 15.
Ettl, Joseph, Plainfield, N. J., assignor to Potdevin Machine Company, Brooklyn, N. Y. Gluing mechanism. 1,830,316; Nov. 3.
Ettles, George R., South Jacksonville, Fla. Fish lure. 1,792,366; Feb. 10.
Etzrodt, Karl, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Device for tapping supply lines. 1,794,679; Mar. 3.
Euchenhofer, Adolph F., Dayton, Ohio. Aeronautical propeller. 1,831,949; Nov. 17.
Euclid Crane & Hoist Company, The. (See Armington, Arthur P., assignor.)
Euclid Crane & Hoist Company, The. (See Armington, George E., assignor.)
Euclid Crane & Hoist Company, The. (See Juergens, Winfred H., assignor.)
Euclid Crane & Hoist Company, The. (See White, William, assignor.)
Euclid Electric & Manufacturing Company, The. (See Rasmussen, Christian A., assignor.)
Euga, Arthur B., Dover, Ohio. Excavating machine. 1,822,695; Sept. 8.
Eugene Dietzgen Company. (See Langsner, Adolph, assignor.)

Eule, Martin, Berlin-Spandau, assignor to Siemens-Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany. Multiway sludge valve. 1,791,823; Feb. 10.
Eule, Martin, Spandau, near Berlin, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Particular construction of tubular boilers. 1,812,472; June 30.
Eule, Martin, Berlin Spandau, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. High pressure tubular boiler. 1,816,520; July 28.
Eule, Martin, Berlin-Spandau, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Mechanical relay for transmitting adjusting impulses. 1,839,091; Dec. 29.
Eureka Fire Hose Manufacturing Company. (See Grady, Frank R., assignor.)
Eureka Vacuum Cleaner Company. (See McLaren, Alex C., assignor.)
Eureka Vacuum Cleaner Company. (See Wardell, Fred, assignor.)
Eustege, Thomas P., Wellington, New Zealand. Window stay. 1,793,546; Feb. 24.
Eustice, William, Tulsa, Okla., assignor to Parkersburg Rig & Reel Company, Parkersburg, W. Va. Headache post. 1,799,964; Apr. 7.
Eustis, Frederic A., Milton, Mass., assignor to Virginia Fruit Fumigating Company, West Norfolk, Va. Apparatus for distribution of volatile material. 1,797,680; Mar. 24.
Eustis, Harry C., assignor of one-half to R. H. McAdams and one-fourth to W. I. Beatty, Elizabeth, N. J. Changeable pitch propeller. 1,837,318; Dec. 22.
Eustis Specialty Co., The. (See Beiger, Fred S., assignor.)
Euwer, Robert C., Wheeling, W. Va. Container cover. 1,808,345; June 2.
Eva, José M., San Francisco, Calif. Door hinge and check. 1,816,834; Aug. 4.
Ev-Air-Tight Calking Co. (See Pedrick, Howard A., assignor.)
Evanoff, Theodore, Portland, Oreg. Ironing board. 1,822,281; Sept. 8.
Evans, Adam L., and W. J., Kokomo, Ind. Game board. Des. 83,036; Jan. 13.
Evans, Alan S. (See Wilson, F. J., and Evans.)
Evans, Albert E., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Fluid-cooled roll. 1,789,356; Jan. 20.
Evans, Albert E., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Sheet glass apparatus. 1,802,142; Apr. 21.
Evans, Albert E., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for applying felts to glass polishing blocks. 1,818,975; Aug. 18.
Evans, Albert E., Pittsburgh, and G. J. Nameche, Ford City, Pa., assignors to Pittsburgh Plate Glass Company. Car stopping apparatus. 1,802,109; Apr. 21.
Evans, Allen J., and R. T. Raines, Atlanta, Ga.; said Evans assignor to said Raines. Automatic powder brush. 1,820,787; Aug. 25.
Evans, Arthur F. (See Hey, H., Evans, Williams, and Newall.)
Evans, Arthur F., Barnes, England. Injection of fuel in internal-combustion engines. 1,799,549; Apr. 7.
Evans Auto Loading Company. (See Miller, Edward, assignor.)
Evans Auto Loading Co. (See Snyder, Clifford L., assignor.)
Evans Auto Loading Co., The. (See Tucker, Max D., assignor.)
Evans Auto Loading Company, The. (See Zube, Carl J., assignor.)
Evans Auto Loading Co. Inc., The. (See Evans, Edward S., assignor.)
Evans Case Company. (See Bowen, William F., assignor.)
Evans Case Company. (See Lawrence, Cecil H., assignor.)
Evans, Charles P., New York, N. Y. Powder pad and casing. 1,814,373; July 14.
Evans, Charles V., Pittsburgh, Pa. Window bracket. 1,814,793; July 14.
Evans, Clair O., Plainfield, N. J. Extrusion and apparatus therefor. 1,825,343; Sept. 29.
Evans, Clarence T., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motors. 1,801,598; Apr. 21.
Evans, Clarence T., Wauwatosa, Wis., assignor, by mesne assignments, to The Cutler-Hammer, Inc. Circuit controller. 1,825,312; Sept. 29.
Evans, Clarence T., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control switch. 1,837,212; Dec. 22.
Evans, Clarence T., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer Inc. Thermoresponsive device and method of improving the action thereof. 1,818,546; Aug. 11.
Evans, David C. (See Freese, I. H., and Evans.)
Evans, David E., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Dental casting post. 1,808,102; June 2.
Evans, Earle W., Linden, N. J., assignor to Standard Oil Development Company. Cylinder head for internal combustion engines. 1,803,102; Apr. 28.
Evans, Edward E., St. Louis, Mo. Combined street-indicator and traveling-sign system for cars. 1,789,050; Jan 6.
Evans, Edward S., assignor to The Evans Auto Loading Co. Inc., Detroit, Mich. Anchoring device. 1,822,648; Sept. 8.
Evans, Edwin R., Chicago, Ill. Control mechanism for burners. 1,828,651; Oct. 20.
Evans, Edwin R., Detroit, Mich. Brake control. 1,833,707; Nov. 24.
Evans Elevator Equalizer Company. (See Evans, Joseph E., assignor.)
Evans, Ernest E., Riverside, Calif. Automatic stamping device. 1,803,323; May 5.
Evans Flexible Reamer Corporation. (See Evans, William H., assignor.)
Evans, Frank T., Cambridge, Mass. Drapery holdback. 1,810,073; June 16.
Evans, Franklin J. (See Stanley, C. M., and Evans.)
Evans, George S., Bronxville, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Refining molten metals. 1,816,007; July 28.
Evans, George W., Wilkes-Barre, Pa. Mounting for flyer blocks. 1,823,795; Sept. 15.
Evans, Gordon M., New York, N. Y., assignor to Budd Wheel Company, Philadelphia, Pa. Making brake drums. 1,811,999; June 30.
Evans, Guy J., Buffalo, N. Y. Filing device. 1,798,321; Mar. 31.
Evans, Guy J., Buffalo, N. Y. Stencil sheet holder. 1,820,968; Sept. 1.
Evans, Harold A., assignor, by mesne assignments, to Parco Specialty Co., Lynn, Mass. Blind eyeleting and product produced thereby. 1,815,434; July 21.
Evans, Harold A., assignor to Parco Specialty Co., Lynn, Mass. Piping for seam ornamentation. 1,831,349; Nov. 10.
Evans, Harold A., assignor to Parco Specialty Co., Lynn, Mass. Ornamental piping, method of making and applying, and article of manufacture containing the same. 1,831,764; Nov. 10.
Evans, Harold A., assignor, by mesne assignments, to G. L. Preble, Lynn, and H. M. Eaton, Nahant, Mass. Cementing machine. 1,837,032; Dec. 15.
Evans, Harry C. (See Polson, W. R., and Evans.)
Evans, Harry L., and George I. Hohl, assignors to Cartoning Machinery Corporation, Newport, R. I. Wrapping machine. 1,836,019; Dec. 15.
Evans, Harry N., sr., Philadelphia, Pa. Adjustable bucking-up tool with interchangeable dies. 1,803,965; May 5.
Evans, Herbert P. (See Peterson, E., and Evans.)
Evans, Israel, San Bernardino, Calif. Hedge trimmer. 1,811,463; June 23.
Evans, James D., Philadelphia, Pa. Can top and making the same. 1,838,302; Dec. 29.
Evans, James O. (See Grimm, Edward, assignor.)
Evans, John D., and E. E. McVey, Youngstown, and T. E. McAllister, Girard, assignors to Surface Combustion Corporation, Toledo, Ohio. Burner for furnaces. 1,832,371; Nov. 17.
Evans, Joseph E., assignor to Evans Elevator Equalizer Company, Bedford, Ind. Suspension device for equalizing the strain on elevator cables. 1,830,988; Nov. 10.
Evans, Joseph E., assignor to Evans Elevator Equalizer Company, Bedford, Ind. Suspension device for equalizing the strain on elevator cables. 1,835,032; Dec. 8.
Evans, Joseph O. (See Hitt, V. F., and Evans.)
Evans, Keith J., Chicago, Ill., and A. O. Williams, Battle Creek, Mich.; said Williams assignor to said Evans. Mail bag carrier. 1,819,598; Aug. 18.
Evans, Kelley D., assignor of one-half to C. E. Hooven, Hamilton, Ohio. Perforating machine. 1,804,974; May 12.
Evans, Leonard T., Indianapolis, Ind. Conveyer-separator. 1,809,586; June 9.
Evans, Martin E., Kankakee, Ill. Metal-casting process and apparatus. 1,800,249; Apr. 14.
Evans, Owen B., assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Making water gas. 1,808,214; June 2.
Evans, Owen B., assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Manufacture of water gas. 1,828,461; Oct. 20.
Evans, Paul S. (See Martin, W. B., and Evans.)
Evans, Percy. (See Hook, L. H., Evans, and Wallrab.)
Evans Products Company. (See Friedlaender, Leo I., assignor.)
Evans Products Company. (See Miller, Edward, assignor.)
Evans Products Company. (See Seeley, Fay L., assignor.)
Evans Products Company. (See Snyder, Clifford L., assignor.)
Evans, Ralph L., New York, N. Y. Hair waver. 1,792,214; Feb. 10.
Evans, Rhys D., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Fabric manipulating machine. 1,823,856; Sept. 15.
Evans, Richard, Highland Park, Ill. Stamp rack. 1,809,195; June 9.
Evans, Robert D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective relay system using reactors. 1,837,033; Dec. 15.
Evans, Roland D., Granite City, Ill., assignor to Handlan-Buck Manufacturing Company, St. Louis, Mo. Lamp. 1,793,227; Feb. 17.

Evans, Ronald C., Oak Park, Ill. Street-sweeper construction. 1,800,824; Apr. 14.
Evans, Russell. (See Haas, J. and Evans.)
Evans, Seth, assignor to Hughes Tool Company, Houston, Tex. Tool chuck for welding. 1,830,649; Nov. 3.
Evans, Theodore C., Terre Haute, Ind. Interlocking control mechanism. 1,809,778; June 9.
Evans, Thomas R., Petros, Tenn. Mine car. 1,825,943; Oct. 6.
Evans, Vincent J., Lakewood, assignor to The Cleveland Heater Company, Cleveland, Ohio. Storage automatic water heater. 1,817,549; Aug. 4.
Evans, Walter W. (See Murrill, P. I., and Evans.)
Evans, Walter W., Longmeadow, assignor to Ludlow Manufacturing Associates, Ludlow, Mass. Linen shoe thread. 1,807,571; May 26.
Evans, Walter W., Longmeadow, assignor to Ludlow Manufacturing Associates, Ludlow, Mass. Shoe. 1,807,572; May 26.
Evans, Walter W., New Rochelle, assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Mineral oil composition. 1,832,929; Nov. 24.
Evans, William E., assignor to The Waterbury Lock and Specialty Company, Waterbury, Conn. Latch for vanity cases, cigarette cases, and the like. 1,792,685; Feb. 17.
Evans, William H., Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mine ventilating tubing. 1,802,414; Apr. 28.
Evans, William H., Chicago, Ill. Expansion pilot. 1,822,649; Sept. 8.
Evans, William H., assignor to Evans Flexible Reamer Corporation, Chicago, Ill. Valve seat reamer. 1,827,510; Oct. 13.
Evans, William H., assignor to Evans Flexible Reamer Corporation, Chicago, Ill. Reamer. 1,827,511; Oct. 13.
Evans, William J. (See Evans, Adam L. and W. J.)
Evans, William P., Swinton, England. Doll-head bearing for drying cylinders. 1,795,546; Mar. 10.
Evans, Wilmot R. (See Wolfe, Walter G., assignor.)
Evcichjevitz, Boleslav, Leningrad, Russia. Union of Socialist Soviet Republics. Doffing and donning machine. 1,795,300; Mar. 10.
Eve, Robert C., Atlanta, Ga. Smoker's appliance. 1,818,125; Aug. 11.
Eveleth, Clarence M., River Forest, Ill. Shade. 1,805,941; May 19.
Evelo, George J., Terre Haute, Ind., assignor to American Car and Foundry Company, New York, N. Y. Chuck. 1,827,387; Oct. 13.
Evens, Henry, Washington, D. C. Cigarette extinguisher. 1,832,372; Nov. 17.
Evensen, Ingwald M., Toronto, Ontario, Canada. Collapsible pontoon for aeroplanes and the like. 1,787,976; Jan. 6.
Evensen, William, Chicago, Ill., assignor to Goss Printing Press Company. Printing press. 1,825,944; Oct. 6.
Evensen, William, Chicago, Ill. assignor to Goss Printing Press Company. Printing press. 1,825,998; Oct. 6.
Eveready Pen Company. (See Weingart, Richard, assignor.)
Everedy Company, The. (See Lebherz, Harry J., assignor.)
Everett, Arthur C. (See Howard, S. R., and Everett.)
Everett, Charles J., Tenafly, N. J. Stylus-actuating mechanism. 1,788,153; Jan. 6.
Everett, Claud H., London, England, assignor of one-half to G. R. Carr, Chicago, Ill. Storage battery. 1,836,157; Dec. 15.
Everett, Edward A. (See Work, L. T., Imes, and Everett.)
Everett, Edward A., Long Island City, N. Y. Insulation block for electric terminals. Des. 84,632; July 14.
Everett, Edward A., Long Island City, N. Y. Terminal block. 1,826,869; Oct. 13.
Everett, Edward A., Long Island City, N. Y., and M. H. Loughridge, Bogota, N. J.; said Loughridge assignor to said Everett. Electric circuits. 1,805,764; May 19.
Everett, Emmett R., Atlanta, Ga. Non-slip overshoe. 1,831,851; Nov. 17.
Everett, Ernest P., Yonkers, N. Y. Hoop for barrels and other containers. 1,838,665; Dec. 29.
Everett, L. F. (See Smith, Arthur C., assignor.)
Everett, Oliver S., Medford, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and contact structure therefor. 1,832,897; Nov. 24.
Everett, Samuel H. (See Knowlton, A. D., and Everett.)
Everett, W. R. (See Holmes, Andrew J., assignor.)
Everett, William D., and A. Williams, jr., Watertown, Mass., assignors, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Plastic stock cutting machine. 1,802,968; Apr. 28.
Everett, Zelma R., and K. F. V. Nygaard, Philadelphia, Pa. Sterile container for clinical thermometers. 1,816,425; July 28.
Everhard, Harry H., Canton, Ohio. Guide for slidable window screens. 1,809,236; June 9.
Everhart, Audley F., Dunlo, Pa., assignor of one-half to J. Maravalli. Self adjusting brake mechanism. 1,823,973; Sept. 22.
Everlastick Varnish, Inc. (See Hayes, Dewey L., assignor.)
Everlastik, Inc. (See Martin, Harold W., assignor.)
Everlasting Valve Company. (See Wilson, Wylie G., assignor.)
Ever Ready Company (Great Britain) Limited. (See Lister, John, assignor.)
Everroad, Leonard P., assignor to Reeves Pulley Company, Columbus, Ind. Pulley transmission adjustment. 1,792,215; Feb. 10.
Evers, William H., Rutherford, assignor to General Aviation Corporation, Teterboro, Hasbrouck Heights, N. J. Fastening device. 1,820,869; Aug. 25.
Eversharp Lawnmower Company. (See Gratiot, Chester A., assignor.)
Everson Filter Company, The. (See Everson, Roy B., assignor.)
Everson, Frank T., Folcroft, assignor to The American Pulley Company, Philadelphia, Pa. Truck wheel guard. 1,832,829; Nov. 17.
Everson, Roy B., assignor to The Everson Filter Company, Chicago, Ill. Submarine lighting fixture. 1,788,509; Jan. 13.
Everson, Roy B., assignor to Everson Filter Company, Chicago, Ill. Walter filter. 1,788,510; Jan. 13.
Everson, Roy B., assignor to The Everson Filter Company, Chicago, Ill. Circulating water-level control. 1,800,378; Apr. 14.
Everstam, Johan G., Sundsvall, Sweden. Hydraulic clutch and transmission device. 1,797,407; Mar. 24.
Everstam, Johan G., Sundsvall, assignor to Aktiebolaget Svenska Stotdarnparefabriken, Stockholm, Sweden. Shock absorber. 1,830,055; Nov. 3.
Evertite Locknuts Limited. (See Garrard, Charles G., assignor.)
Evertite Locknuts Limited. (See Youlten, William, assignor.)
Everts-Ellington Company. (See Everts, Walter W., assignor.)
Everts, Frank O., Kansas City, Mo. Reflector for telephone dials. 1,828,107; Oct. 20.
Everts, Walter W., assignor to Sid Post, Fort Worth, Tex. Sadiron. 1,804,827; May 12.
Everts, Walter W., assignor to Everts-Ellington Company, San Antonio, Texas. Power transmitting device. 1,818,313; Aug. 11.
Everttts, James P., Sayre, Pa. Antiglare shield. 1,829,924; Nov. 3.
Everwear Manufacturing Company, The. (See Hoppes, Charles E., assignor.)
Everwine, Charles L., Newark, N. J. Attachment for internal combustion engines. 1,823,796; Sept. 15.
Eves, Parvin B., Whitewater, Wis. Milk strainer. 1,820,610; Aug. 25.
Evich, Jerie, Santa Barbara, Calif. Attachment for hammers. 1,792,153; Feb. 10.
Evich, Jerie, Santa Barbara, Calif. Exhaust whistle. 1,799,891; Apr. 7.
Evinrude, Ole, Milwaukee, Wis., assignor, by mesne assignments, to Outboard Motors Corporation. Foldable outboard motor. 1,790,856; Feb. 3.
Evindrude, Ole, Milwaukee, Wis., assignor, by mesne assignments, to Outboard Motors Corporation. Four cylinder outboard motor. 1,819,323; Aug. 18.
Evins, Dossa D., Davenport, Iowa. Musical instrument. 1,827,978; Oct. 20.
Evoritt, Guy, Princeton, Mo. Aircraft variable pitch propeller and blade mounting. 1,830,101; Nov. 3.
Ewald, Arno A., Oakfield, Wis. Tire-filling valve head. 1,789,306; Jan. 20.
Ewald, Bernhard K. F., Villingen, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Perforating device. 1,827,002; Oct. 13.
Ewart, Elliott S., Detroit, Mich., assignor to Morgan & Wright, Detroit, Mich. Tubing machine. 1,809,837; June 16.
Ewart, Laura V. (See Ewart, Thomas S.)
Ewart, Thomas S., Raymond, Wash., by judicial decree transferred to Laura V. Ewart. Reverse gearing. 1,804,252; May 5.
Ewart, William E. (See Gerber, R., Doncaster, and Ewart.)
Ewart, William E., Seattle, Wash. Two cycle gas engine. 1,817,510; Aug. 4.
Ewen, Samuel G., Woonsocket, R. I. Sighting device for shotguns. 1,835,938; Dec. 8.
Ewertz, Eric H., Elizabeth, N. J. Vessel. 1,817,071; Aug. 4.
Ewertz, Eric H., Elizabeth, N. J. Vessel. 1,817,072; Aug. 4.
Ewest, Hans, and M. Reger, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge device. 1,831,950; Nov. 17.
Ewing, Charles R., Toronto, and T. Montgomery, Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Heat exchanger. 1,833,871; Nov. 24.
Ewing, Clement L., Jeromesville, Ohio. Frame-truss structure. 1,800,988; Apr. 14.
Ewing, Dwight T., East Lansing, Mich. Apparatus for plating. 1,808,809; June 9.
Ewing, Dwight T., and F. H. Lyons, Lansing, Mich. Oxidation of leuco bases for dyes. 1,802,640; Apr. 28.
Ewing, Emma L., assignor of one-third to A. M. Lamar and one-third to R. H. Jenkins, Detroit, Mich. Wall construction. 1,826,127; Oct. 6.

Ewing, Herbert O., Middleport, Ohio, assignor of one-half to Thomas W. Field, Charleston, W. Va. Tool. 1,829,557; Oct. 27.
Ewing, Lon R., Kokomo, and T. J. Mechling, Burlington, Ind. Harvesting machine. 1,816,519; July 28.
Ewing, Theodore A., Detroit, Mich. Garage-door opening and closing mechanism. 1,799,222; Apr. 7.
Ewing, Wylie B., Wheeling, West Va. Pipe-cutting machine. 1,801,038; Apr. 14.
Exact Weight Scale Company, The. (See Flanagan, Thomas B., assignor.)
Exact Weight Scale Company, The. (See Hallead, Mervil, assignor.)
Exact Weight Scale Company, The. (See Schaper, Harry C., assignor.)
Excel Magneto Company. (See Reis, Curt F., assignor.)
Excel Rosary & Novelty Co. (See Miller, William M., assignor.)
Excel Taping Machine Co. (See Olsen, Carl, assignor.)
Excel Taping Machine Co. (See Packard, Walter F., assignor.)
Excell Auto Radiator Company. (See Briskin, Sam, assignor.)
Excelsior Hardware Co., The. (See Komenak, Albert J., assignor.)
Exchange Lumber Company. (See Goodloe, Alfred M., assignor.)
Exelmans, Maurice, Paris, France, assignor to Holophane Company, Inc., New York, N. Y. Light projector. 1,826,927; Oct. 13.
Exley, Leo F., Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Polishing and cleaning tool. 1,802,078; Apr. 21.
Exline, William, jr. (See Exline, W. and W., jr.)
Exline, William and W., jr., Kipp, Kans. Cutting attachment for thrashing machines. 1,833,519; Nov. 24.
Exolon Company, The. (See Johnson, Fred R., assignor.)
Exploration G. m. b. H. (See Jenny, Willy P., assignor.)
Ext, Werner. (See Brodersen, K., and Ext.)
Ext, Werner. (See Wesche, H., Brodersen, and Ext.)
Exter, Edward J., Hollywood, Calif. Piano-teaching instrument. 1,791,720; Feb. 10.
Exton, Alfred H., assignor to American Manganese Steel Company, Chicago Heights, Ill. Dipper front. 1,798,873; Mar. 31.
Extrom, Victor E., and P. J. N. Miller, Minneapolis, Minn. Time switch. 1,794,067; Feb. 24.
Extruded Metal Products Company. (See Williams, Stephen L., assignor.)
Eyles, William F., Wyoming Park, Mich. Dowel holder. 1,797,525; Mar. 24.
Eylmann, Robert J. Teaneck, N. J., assignor to The E. Ingraham Company, Bristol, Conn. Clock dial. Des. 83,318; Feb. 17.
Eynck, John F., Guatemala City, Guatemala. Calendar attachment. 1,827,570; Oct. 13.
Eynon, George A., Parma, Ohio. Carburetor. 1,815,650; July 21.
Eynon, Llewellyn, Toronto, Ontario, Canada. Amusement device. 1,789,260; Jan. 13.
Eyres, Charles W., Le Mars, Iowa. Ensilage machine. 1,791,302; Feb. 3.
Eyres, Charles W., Le Mars, Iowa. Built-in grinder and ensilage cutting machine. 1,807,975; June 2.
Eyster, John A. E., Madison, Wis., assignor to Wisconsin Alumni Research Foundation. Instrument for measuring venous pressure. 1,830,829; Nov. 10.
Ezzell, John M., Rattan, Okla. Razor sharpener. 1,832,539; Nov. 17.
F. and B. Holding Co. (See Buttress, George A., assignor.)
F. & N. Lawn Mower Company. (See Lontz, Harry R., assignor.)
Faber, A. W., Castell-bleistift-Fabric A.-G., the Firm. (See Knörer, Hans, assignor.)
Faber, Guy S., assignor to Jas. P. Marsh & Company, Chicago, Ill. Combination circuit controller and indicating mechanism. 1,838,377; Dec. 29.
Faber, Guy S., assignor to Jas. P. Marsh & Company, Chicago, Ill. Automatic water level regulator and safety switch. 1,838,378; Dec. 29.
Faber, Henry B. (See Driggs, L. L., and Faber.)
Faber, Henry B. (See Driggs, L. L., jr., and Faber.)
Faber, Henry B., Brooklyn, N. Y., assignor to S. G. Turnbull, Arlington, N. J. Oxidizing or decolorizing agent and making same. 1,793,917; Feb. 24.
Faber, John P., Dunellen, Borough, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Pneumatic concrete-placing machine. 1,795,016; Mar. 3.
Faber, John P., Dunellen, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Apparatus for hoisting and distributing loose materials. 1,812,328; June 30.
Faber, Otto, Kenmore, N. Y., assignor to The G. L. Squier Mfg. Co., Buffalo, N. Y. Bearing housing for cane mills or the like. 1,810,102; June 16.
Fabian, Vincent J., Washington, D. C. Radio apparatus. 1,820,059; Aug. 25.
Fabio, Dominick, assignor of one-half to A. Delmont, St. Paul, Minn. Automobile seat structure. 1,788,088; Jan. 6.
Fabrey, William H. (See Butler, W. L., Fabrey, and Weber.)
Fabricant, Nathan, Chicago, Ill. Electric-light bulb. Des. 83,153; Jan. 27.
Fabrice, Edward H., assignor to Guardian Safety Seal Company, Chicago, Ill. Sealing cap for bottles. 1,798,151; Mar. 31.
Fabric Products Corporation. (See Wishmeier, Charles H., assignor.)
Fabrik elektrischer Zunder G. m. b. H. (See Schurmann, Julius, assignor.)
Fabriques des Montres Zenith successeurs de Fabriques des Montres Zenith Georges Favre-Jacot & Cie. (See Joriot, Camille, assignor.)
Fabrizi, Ernani M., and G. Berti, assignors of one-third to V. Giuliano, Detroit, Mich. Carburetor. 1,807,732; June 2.
Fabrizio, Carmine, New York, N. Y. Self-filling fountain pen. 1,792,419; Feb. 10.
Fabry, Julius, Detroit, Mich. Combination hinge and doorcheck. 1,823,263; Sept. 15.
Facchin, Gioachino, College Point, Long Island, N. Y. Life saving and salvage apparatus for submarines. 1,822,435; Sept. 8.
Fackler, Louis K., Ridgewood, N. J., and H. F. Gardner, Brooklyn, N. Y., assignors to Stein, Hall & Company, Inc. Adhesive composition and making the same. 1,813,236; July 7.
Faehrmann, Hermann, Brooklyn, N. Y., assignor to J. S. Mundy Hoisting Engine Company, Newark, N. J. Mechanically operated safety brake. 1,808,645; June 2.
Faessler, J., Mfg. Company, The. (See Maupin, Graves R., assignor.)
Fafnir Bearing Company, The. (See Betz, William C., assignor.)
Fafnir Bearing Company, The. (See Bidwell, Clarence G., assignor.)
Fafnir Bearing Company. (See Melcher, Lee W., assignor.)
Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)
Fafnir Bearing Company, The. (See Smith, John W., assignor.)
Fagan, Boyd and C., Bivalve, N. J. Oyster dredge. 1,795,768; Mar. 10.
Fagan, Charles. (See Fagan, Boyd and C.)
Fagan, Charles D., Sharon, Pa., assignor to Sharpsville Boiler Works Company, Sharpsville, Pa. Casing for dispensing apparatus. Des 84,575; July 7.
Fagan, James M., Maplewood, N. J., assignor to Westinghouse Lamp Company. High frequency induction heating. 1,803,500; May 5.
Fagan, John T., Cleveland Heights, Ohio, assignor to General Electric Company. Method and apparatus for coloring lamps. 1,830,598; Nov. 3.
Fagan, Peter J., Homestead, Pa. Adjustable curtain blind and portière. 1,833,777; Nov. 24.
Fagan, Richard C., assignor to The Russell Manufacturing Company, Middletown, Conn. Garment supporter. 1,789,402; Jan. 20.
Fageol, Frank R. and W. B., assignors to Twin Coach Company, Kent, Ohio. Motor vehicle. Des. 84,576; July 7.
Fageol, William B. (See Fageol, Frank R. and W. B.)
Fageol, William B., assignor to Twin Coach Company, Kent, Ohio. Flexible guard for road vehicles. 1,825,344; Sept. 29.
Fagerlee, John A., Minneapolis, Minn. Garment cleaner. 1,795,851; Mar. 10.
Fagerlie, Alfred I. (See Webster, R. B., Fagerlie, and Barager.)
Fahey, Edward F. (See Amato, Irving J., assignor.)
Fahlin, Ole, Sioux City, Iowa. Propeller. 1,808,888; June 9.
Fahlman, Duncan J., assignor to Buhl Stamping Company, Detroit, Mich. Milk can and forming same. 1,820,733; Aug. 25.
Fahlman, Everett G., assignor to The Permold Company, Cleveland, Ohio. Mold. 1,803,299; Apr. 28.
Fahlman, Everett G., assignor to The Permold Company, Cleveland, Ohio. Permanent mold. 1,803,300; Apr. 28.
Fahlman, Everett G., assignor to The Permold Company, Cleveland, Ohio. Mold. 1,803,301; Apr. 28.
Fahnestock, Adam B., Manhasset, assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,792,216; Feb. 10.
Fahnestock, Adam B., Manhasset, assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Stoker mechanism. 1,808,300; June 2.
Fahrenwald, Frank A., Chicago, Ill. Heat treating steel. 1,787,977; Jan. 6.
Fahrenwald, Frank A., Chicago, Ill. Furnace. 1,791,404; Feb. 3.
Fahrenwald, Frank A., Chicago, Ill. Rabble arm. 1,796,247; Mar. 10.
Fahrenwald, Frank A., Chicago, Ill. Heat-resisting surface. 1,798,460; Mar. 31.
Fahrenwald, Frank A., Chicago, Ill. Roller type conveyer for heat treatment furnaces. 1,814,082; July 14.
Fahrenwald, Frank A., Chicago, Ill. Furnace. 1,827,079; Oct. 13.
Fahrenwald, Frank A., Chicago, Ill. Heat treating. 1,828,036; Oct. 20.
Fahrenwald, Frank A., Chicago, Ill. Metallurgical furnace. 1,828,836; Oct. 27.
Fahrenwald, Frank A., Chicago, assignor to American Manganese Steel Company, Chicago Heights, Ill. Welding rod. 1,815,464; July 21.

Fahrenwald, Frank A., assignor to American Manganese Steel Company, Chicago, Ill. Increasing the strength, toughness, and ductility of manganese steel. 1,834,206; Dec. 1.

Fahrenwald, Frank A., Chicago, assignor to American Manganese Steel Company, Chicago Heights, Ill. Continuous sheet steel normalizing furnace. 1,834,207; Dec. 1.

Fahrenwald, Frank A., assignor to American Manganese Steel Company, Chicago, Ill. Strain hardened manganese steel and producing same. 1,838,815; Dec. 29.

Fahrney, Emery H., Chicago, Ill. Propelling mechanism for boats. 1,798,596; Mar. 31.

Fahrney, Emery H., Chicago, Ill. Pump priming device. 1,806,968; May 26.

Faigl, Julius, Providence, R. I. Radio tube. 1,832,288; Nov. 17.

Failing, Flora A., Scarsdale, N. Y. Automobile identification device. 1,820,788; Aug. 25.

Failing, George E. (See Hull, George S., assignor.)

Failor, Charles W., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,816,182; July 28.

Failor, Charles W., Forest Hills Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,824,597; Sept. 22.

Fain, Jacob M., Brooklyn, N. Y., assignor to The Flintkote Company, Boston, Mass. Dispersions and producing same. 1,793,918; Feb. 24.

Fairbairn, George C., Port Arthur, Tex., assignor to The Texas Company, New York, N .Y. Indicator. 1,806,750; May 26.

Fairbairn Lawson Combe Barbour Limited. (See Porter, Joseph A., assignor.)

Fairbairn, Rhys A. (See Dunham, B. G., and Fairbairn.)

Fairbairn, Walter M. (See Johnson, A. M., and Fairbairn.)

Fairbank, Charles O. (See Ranney, L., and Fairbank.)

Fairbanks, Andrew J., Dayton, Ohio, assignor, by mesne assignments, to Consolidated Aircraft Corporation, Buffalo, N. Y. Aircraft fitting. 1,805,439; May 12.

Fairbanks, E. and T., and Company. (See Bousfield, Alfred, assignor.)

Fairbanks, E. and T., and Company. (See Hadley, Harlan A., assignor.)

Fairbanks, Edward L., Glendale, Calif., assignor to Continuous Rail Crossing Corporation, Reno, Nev. Electric rail crossing. 1,800,785; Apr. 14.

Fairbanks, Morse & Co. (See Adams, Edward T., assignor.)

Fairbanks, Morse & Co. (See Anderson, Gordon R., assignor.)

Fairbanks, Morse & Co. (See Creager, Frederick L., assignor.)

Fairbanks, Morse & Co. (See Goldberg, Morris J., assignor.)

Fairbanks, Morse & Co. (See Gross, Charles, assignor.)

Fairbanks, Morse & Co. (See Hazard, William H., assignor.)

Fairbanks, Morse & Co. (See Heath, William C., assignor.)

Fairbanks, Morse & Co. (See Heath, W. C., and Hobart, assignors.)

Fairbanks, Morse & Co. (See Hobart, Franklin G., assignor.)

Fairbanks, Morse & Co. (See Jahnke, C. B., and Boock, assignors.)

Fairbanks, Morse & Co. (See Kapp, Leonard B., assignor.)

Fairbanks, Morse & Co. (See Mahana, Charles G., assignor.)

Fairbanks, Morse & Co. (See Rosner, Adolph, assignor.)

Fairbanks, Morse & Co. (See Schneider, Henry C., assignor.)

Fairbanks, Morse & Co. (See Siler, Alfred W., assignor.)

Fairbanks, Morse & Co. (See Whitesell, Frederick N., assignor.)

Fairbury Windmill Company. (See Simpson, John, assignor.)

Fairchild Aerial Camera Corporation. (See Briechle, Ambrosius, assignor.)

Fairchild Aerial Camera Corporation. (See Eighmey, David T., assignor.)

Fairchild Airplane Manufacturing Corporation. (See Lee, John G., assignor.)

Fairchild, Alice M., and E. L. Rathburn, assignors, by mesne assignments, to The Mantle Lamp Company of America, Chicago, Ill. Porcelain and making same. 1,802,641; Apr. 28.

Fairchild-Caminez Engine Corporation. (See Caminez, Harold, assignor.)

Fairchild, Charles N., New Haven, Conn., assignor to Fairchild Lock Corporation, New York, N. Y. Adjustable steering-post lock. 1,795,547; Mar. 10.

Fairchild, Charles N., New Haven, Conn., assignor to Fairchild Lock Corporation, New York, N. Y. Body-locking device. 1,796,514; Mar. 17.

Fairchild, Charles N., New Haven, Conn., assignor to Fairchild Lock Corporation, New York, N. Y. Servicing steering-post lock. 1,796,865; Mar. 17.

Fairchild, Charles N., New Haven, Conn., assignor to Fairchild Lock Corporation, New York, N. Y. Cam snap lock. 1,806,253; May 19.

Fairchild, Charles N., Milford, Conn., assignor to Fairchild Lock Corporation, New York, N. Y. Gas lock. 1,819,085; Aug. 18.

Fairchild, Charles N., assignor to Fairchild Lock Corporation, Plantsville, Conn. Two hand lock. 1,830,265; Nov. 3.

Fairchild, Charles N., New York, N. Y., assignor to Fairchild Lock Corporation, county of Newcastle, Del. Locking reminder. 1,832,540; Nov. 17.

Fairchild, Charles N., New Haven, assignor to Fairchild Lock Corporation, Plantsville, Conn. Gear operated seat. 1,838,303; Dec. 29.

Fairchild Corporation, E. E. (See Friedrich, Charles F., assignor.)

Fairchild, E. E., Corporation, The. (See Villeré, Joseph S., assignor.)

Fairchild Lock Corporation. (See Fairchild, Charles N., assignor.)

Fairchild, Oscar H., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for hydrocarbon oil conversion. 1,811,621; June 23.

Fairchild, Oscar H., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,832,975; Nov. 24.

Fairchild, Sherman M., New York, N. Y. Film changing and positioning device for cameras. 1,804,680; May 12.

Fairchild, Sherman M., New York, N. Y. Driving and controlling mechanism for automatic cameras. 1,817,182; Aug. 4.

Fairchild, Sherman M., New York, N. Y. Mapping. 1,822,650; Sept. 8.

Fairchild, William, assignor to A. P. W. Paper Co., Albany, N. Y. Guarded cutter. 1,817,481; Aug. 4.

Faircloth, Lovitt S., Tampa, Fla. Key ring. 1,796,751; Mar. 17.

Fairclough & Gold, Inc. (See Stam, Jesse, assignor.)

Fairey, Charles R. (See Lobelle, Marcel, assignor.)

Fairey, Charles R. (See Williams, David, L. H., assignor.)

Fairfield Specialties Corporation. (See Hoban, Fairfield W., assignor.)

Fairhurst, John T., assignor to J. G. Wilson Corporation, New York, N. Y. Door mounting. 1,822,729; Sept. 8.

Fairley, John G., Hattiesburg, Miss. Road machine. 1,818,887; Aug. 11.

Fairley, Taliaferro J., Sterlington, La., assignor to Louisiana Pine Products Company, Inc. Refining tar. 1,815,293; July 21.

Fairley, Taliaferro J., Sterlington, assignor of one-half to W. J. Hunter and one-half to M. P. Hunter, Shreveport, La. Treating oils. 1,831,105; Nov. 10.

Fairley, Taliaferro J., Sterlington, assignor of one-half to W. J. Hunter and one-half to M. P. Hunter, Shreveport, La. Foam stabilizer. 1,832,109; Nov. 17.

Fairlie, Andrew M., Atlanta, Ga. Ammonia oxidation equipment and the use thereof for the manufacture of sulphuric acid. 1,800,786; Apr. 14.

Fairmont Box Company. (See Wade, V. M., and Zuspan, assignors.)

Fairmont Manufacturing Company. (See Anderson, Robert J., assignor.)

Fairmont Mining Machinery Company. (See Riblett, Guy H., assignor.)

Fairmont Railway Motors, Inc. (See Kasper, Walter F., assignor.)

Fairweather, Nelson H., West Medford, and J. D. Verner, Malden, assignors to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,799,965; Apr. 7.

Faith, Stephen, Chicago, Ill. Initial or monogram cap for golf club shafts. 1,830,936; Nov. 10.

Falcon Bronze Company, The. (See Nesselbush, Louis M., assignor.)

Falcon Manufacturing Co. (See Kirkpatrick, Marie A., assignor.)

Falcon, William V., Detroit, Mich. Internal-combustion engine. 1,798,837; Mar. 31.

Falconer, Stuart A. (See Christmann, J. L., and Falconer.)

Fales Chemical Company, The. (See Fales, Harold A., assignor.)

Fales, Elisha N. (See Stuart, Harve R., assignor.)

Fales, Elisha N., Dayton, Ohio. Instrument for indicating velocity and direction of flow of fluid. 1,819,155; Aug. 18.

Fales, Harold A., Leonia, N. J., assignor to The Fales Chemical Company, Inc., Cornwall Landing, N. Y. Caustic alkali stick. 1,816,043; July 28.

Falge, Robert N., assignor to General Motors Research Corporation, Detroit, Mich. Stop and back-up lamp. 1,787,443; Jan. 6.

Falge, Robert N., assignor to General Motors Research Corporation, Detroit, Mich. Tail-lamp glass. 1,795,940; Mar. 10.

Falk Company, The. (See Banner, Otto A., assignor.)

Falk Corporation, The. (See Frentzel, Herman E., assignor.)

Falk, Morris, Leominster, Mass. Key cutting machine. 1,803,428; May 5.

Falk, Morris, Fitchburg, Mass. Key cutting machine. 1,811,922; June 30.

Falk, Morris, Fitchburg, Mass. Mortise bolt lock. 1,814,302; July 14.

Falk, Morris, Fitchburg, Mass. Removable plug for pin tumbler locks. 1,832,108; Nov. 17.

Falk, Theodore, S., Brooklyn, N. Y. Stapling device. 1,830,650; Nov. 3.
Falkenstein, Henry, Cleveland, Ohio, assignor to The Guardian Trust Company. Piston. 1,830,937; Nov. 10.
Falkner, Benjamin H., assignor to Western Wheeled Scraper Company, Aurora, Ill. Track liner. 1,826,756; Oct. 13.
Falkner, Frederick. (See Culver, Lagar R., assignor.)
Falknor, Frank B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio system. 1,799,976; Apr. 7.
Falknor, Frank B., and T. R. Goldsborough, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Relay system. 1,822,086; Sept. 8.
Falkovitz, Morris, Philadelphia, Pa. Pocket construction for trousers. Re18,171; Aug. 25.
Falla, Fernando, Millburn Township, Essex County, assignor to Edge Moore Iron Company, Edge Moore, N. J. Recovery apparatus. 1,794,006; Feb. 24.
Faller, James H., New Orleans, La. Crank case ventilator for engines. 1,833,394; Nov. 24.
Fallot, Alfred, Plauen in Vogtl.; H. Priester, Berlin, Germany, executor. Raising, changing, and driving the paper web rolls in printing machines, and more particularly in rotary printing machines. 1,812,742; June 30.
Falls, David, Belfast, Ireland, assignor of one-half to F. W. Haines, Detroit, Mich. Making rubber substitute. 1,833,941; Dec. 1.
Falls, Edward C. (See Stackhouse, G. A., and Falls.)
Falls, Johnson C., St. Joseph, La. Saw guide. 1,826,757; Oct. 13.
Falstrom, Theodore G., West Orange, assignor, to Monroe Calculating Machine Company, Orange, N. J. Setting dies in presses. 1,801,490; Apr. 21.
Falulah Paper Company. (See Lowe, Joseph A., assignor.)
Fanan, Arthur E., Elmhurst, N. J. Flowerpot-lifting rings. 1,793,072; Feb. 17.
Fanarjian, John, Union City, assignor of one-half to P. M. Hammalian, and J. M. Hammalian, Hackensack, N. J. Foldable desk. 1,809,028; June 9.
Fanarjian, John, Union City, N. J., assignor of one-fourth to C. Torosian, New York, N. Y. Folding or convertible table. 1,838,095; Dec. 29.
Fancher, Charles H., jr. (See Gilmore, Frank E., assignor.)
Fancher, Charles J., and J. H. Fancher, Windsor, Vt., assignors, by mesne assignments, to Woodward, Hubbard Company, Hill, N. Y. Glazier's point driver. 1,797,497; Mar. 24.
Fancher, Charles J., Windsor, Vt., and R. A. Johnson, Longmeadow, Mass., assignors, by mesne assignments, to Woodward, Hubbard Company, Hill, N. H. Strip feeding mechanism. 1,806,154; May 19.
Fancher, Charles J., Windsor, Vt., and R. A. Johnson, Longmeadow, Mass., assignors, by mesne assignments, to Woodard, Hubbard Company, Hill, N. H. Glazier's point machine. 1,806,195; May 19.
Fancher, Charles J., Windsor, Vt., and R. A. Johnson, Longmeadow, Mass., assignors, by mesne assignments, to Woodward, Hubbard Company, Hill, N. H. Blank feeding mechanism. 1,833,520; Nov. 24.
Fancher, John H. (See Fancher, Charles J., and J. H.)
Fanchier, Zada L., Wichita Falls, Tex. Mail receiver. 1,805,393; May 12.
Fancy, James G., Fort Meade, Fla. Cleaning and polishing compound. 1,798,075; Mar. 24.
Fandrey, Otto R., Toledo, Ohio. Table lamp. Des. 84,813; Aug. 11.
Fankboner, Harland, assignor to The Goss Printing Press Co., Chicago, Ill. Producing balanced rolls and the like. 1,811,542; June 23.
Fankboner, Harland, Chicago, Ill., assignor to The Goss Printing Press Company. Inking mechanism. 1,825,999; Oct. 6.
Fanner Manufacturing Company, The. (See Gibson, Samuel H., assignor.)
Fanner Manufacturing Company, The. (See Raible, Charles G., assignor.)
Fansteel Products Company. (See Austin, Miner M., assignor.)
Fansteel Products Company. (See Balke, Clarence W., assignor.)
Fansteel Products Company. (See Engle, Edgar W., assignor.)
Fansteel Products Company. (See Stryker, Clinton E., assignor.)
Fantel, Henry, New York, N. Y. Combination lamp and clock support. 1,815,465; July 21.
Fanto, Emil C., Fairfield, assignor to McKesson & Robbins, Inc., Bridgeport, Conn. Normal heptyl phenol. 1,824,426; Sept. 22.
Fantz, Fred C. (See Getzen, John E., assignor.)
Fantz, Fred C Webster Groves, Mo., assignor to E. A. Bending, Chicago, Ill. Combination oil and gas burner. 1,799,459; Apr. 7.
Fantz, Fred C., Webster Groves, assignor to Midwest Piping & Supply Co. Inc., St. Louis, Mo. Machine for flanging pipes. 1,804,002; May 5.
Fantz, Fred C., Webster Groves, assignor to Midwest Piping & Supply Co. Inc., St. Louis, Mo. Tailstock for machines for flanging pipes. 1,804,003; May 5.
Fantz, Fred C., Webster Groves, assignor to Midwest Piping & Supply Co. Inc., St. Louis, Mo. Process of and apparatus for manufacturing metal pipe fittings. 1,812,522; June 30.
Fantz, Fred C., Webster Groves, assignor to Midwest Piping & Supply Co. Inc., St. Louis, Mo. Manufacturing metal pipe fittings with tangential ends. 1,812,523; June 30.
Faraday, Cornelia B., New York, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 84,687; July 21.
Faragen, A. E., Inc. (See Frazier, William T., assignor.)
Faragher, Warren F. (See Morrell, J. C., and Faragher.)
Faraston Company. (See Ebert, Joseph, assignor.)
Farber, Clayton W., Bowmanstown, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Manufacture of lithopone. 1,817,183; Aug. 4.
Färber, Eduard, Minkoff, and T. W. M. Pond, Geneva, Switzerland, assignors to The International Sugar and Alcohol Company Limited, London, England. Saccharification of wood. 1,795,166; Mar. 3.
Farber, Isaac C., assignor of one-half to S. Stampil, Detroit, Mich. Antenna. 1,797,949; Mar. 24.
Farber, Joseph C., Cleveland Heights, assignor to The Friedman-Blau-Farber Company, Cleveland, Ohio. Fabric and making the same. 1,825,586; Sept. 29.
Farber, S. W., Inc. (See Farber, Simon W., assignor.)
Farber, S. W., Inc. (See Murphy, Frank J., assignor.)
Farber, Simon W., assignor to S. W. Farber, Inc., Brooklyn, N. Y. Pie-plate holder or similar article. Des. 83,517; Mar. 3.
Farber, Simon W., assignor to S. W. Farber, Inc., Brooklyn, N. Y. Casserole holder or similar article. Des. 83,518; Mar. 3.
Farber, Simon W., Brooklyn, assignor to S. W. Farber, Inc., N. Y. Lamp-shade support. 1,788,993; Jan. 13.
Farberei & Oppretur-Gesellschaft (vormals A. Blavel & Fritz Lindenmeyer). (See Jost, Stephen, assignor.)
Färberei Weidmann Akt.-Ges. (See Hanhart, Charles G., assignor.)
Farch, Mogens, Cleveland Heights, assignor to The W. S. Tyler Company, Cleveland, Ohio. Elevator treadle switch construction. 1,802,143; Apr. 21.
Farenwald, Frank A., Chicago, Ill. Intersupported disk for furnace conveyers. 1,824,470; Sept. 22.
Farfall Company, The. (See Farmer, Albert M., assignor.)
Farguhar, A. B., Co., Ltd. (See Hollinger, Harry C., assignor.)
Faries Manufacturing Company. (See Hansen, Jasper, assignor.)
Faries Manufacturing Company. (See Peters, Henry M., assignor.)
Faries, Robert, St. Davids, Pa. Two-tie joint plate. 1,793,167; Feb. 17.
Faries, Robert, St. Davids, Pa. Railway track. 1,803,009; Apr. 28.
Faries, Robert, St. Davids, Pa. Plate support for rail joints. 1,814,548; July 14.
Faries, Robert, St. Davids, and R. H. Boyd, Philadelphia, Pa. Rail retaining members. 1,801,807; Apr. 21.
Faries, Robert, St. Davids, and R. H. Boyd, Philadelphia, Pa. Rail retaining member. 1,807,204; May 26.
Farkas, Eugene, New York, N. Y. Changeable exhibitor. 1,806,678; May 26.
Farkas, Eugene J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Fuel tank. 1,792,827; Feb. 17.
Farkas, Eugene J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Governor. 1,800,612; Apr. 14.
Farkas, Eugene J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Air washer. 1,802,911; Apr. 28.
Farkas, John. (See Polak, Gabriel, assignor.)
Farley, Edward L., Jonesboro, Ark. Hull extractor and cleaner. 1,788,286; Jan. 6.
Farley, Ernst W. (See Starke, T. J., and Farley.)
Farley, James, Hertford, and J. Maina, London, England; said Maina assignor to said Farley. Transmission mechanism for motor vehicles and the like. 1,799,892; Apr. 7.
Farley, John W., Cleveland, Ohio. Anchor plate. 1,798,152; Mar. 31.
Farley & Loetscher Mfg. Co. (See Loetscher, John A., assignor.)
Farley, Louis L., Los Angeles, Calif. Cleaning device. 1,818,388; Aug. 11.
Farley, Theodore S., Scotia, N. Y., assignor to General Electric Company. Vapor electric amplifier. 1,830,599; Nov. 3.
Farley, William R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tap-changing system. 1,809,964; June 16.
Farlie, Andrew M., Atlanta, Ga. Recovery of oxides of nitrogen in sulphuric acid manufacture. 1,833,418; Nov. 24.
Farman, Henri et Maurice. (See Waseige, Charles R., assignor.)
Farmer, Ada E., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 85,090; Sept. 15.
Farmer, Ada E., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 85,172; Sept. 22.
Farmer, Ada E., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 85,173; Sept. 22.
Farmer, Ada E., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 85,231; Sept. 29.

Farmer, Ada E., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 85,361; Oct. 13.
Farmer, Albert J., Detroit, Mich. Measuring valve for lubricating systems. 1,818,314; Aug. 11.
Farmer, Albert M., assignor, by mesne assignments, to The Farfall Company, Detroit, Mich. Compensating valve for lubricating systems. 1,834,449; Dec. 1.
Farmer, Albert M., assignor, by mesne assignments, to The Farfall Company, Detroit, Mich. Measuring nipple for lubricating systems. 1,837,811; Dec. 22.
Farmer, Chester J., Chicago, Ill. Support for laboratory appliances. 1,820,305; Aug. 25.
Farmer, Claude D., London, England, and W. R. Hight, Hollis, assignors, by mesne assignments, to Sperry Gyroscope Company Inc., Brooklyn, N. Y. Compensated gyroscopic compass. 1,834,692; Dec. 1.
Farmer, Clyde C. (See Burton, T. L., and Farmer.)
Farmer, Clyde C., Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air purifier. 1,790,205; Jan. 27.
Farmer, Clyde C., Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Flexible diaphragm. 1,790,206; Jan. 27.
Farmer, Clyde C., Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Gasket retainer. 1,790,207; Jan. 27.
Farmer, Clyde C., Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnetic brake. 1,790,208; Jan. 27.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic coupling device. 1,790,209; Jan. 27.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Anglecock device. 1,793,600; Feb. 24.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric train-wire coupling. 1,797,408; Mar. 24.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air strainer. 1,797,409; Mar. 24.
Farmer Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Feed-valve device. 1,797,410; Mar. 24.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,797,411; Mar. 24.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnetic brake device. 1,801,851; Apr. 21.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Car ventilator control. 1,801,852; Apr. 21.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic drain valve. 1,801,853; Apr. 21.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Slack adjuster. 1,801,854; Apr. 21.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,801,855; Apr. 21.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake controlling valve. 1,801,856; Apr. 21.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake release device. 1,805,617; May 19.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air purifier. 1,805,657; May 19.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Triple valve cylinder cap. 1,805,658; May 19.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Crank shaft. 1,813,153; July 7.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder device. 1,816,077; July 28.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,816,078; July 28.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,816,079; July 28.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,819,504; Aug. 18.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,819,505; Aug. 18.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,819,506. Aug. 18.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,819,507; Aug. 18.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,819,642; Aug. 18.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,820,013; Aug. 25.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,824,042; Sept. 22.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnetic brake. 1,824,043; Sept. 22.
Farmer, Clyde C., Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,824,044; Sept. 22.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic train pipe coupling. 1,828,963; Oct. 27.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,832,859; Nov. 24.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,832,860; Nov. 24.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,832,861; Nov. 24.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic coupling. 1,832,898; Nov. 24.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake device. 1,837,420; Dec. 22.
Farmer, Earl W. and N., Faribault, Minn. Window sash fastener. 1,802,338; Apr. 28.
Farmer, Frank T., Detroit, Mich., assignor of one-half to R. E. Farmer, New York, N. Y. Lawn mower. 1,808,646; June 2.
Farmer, George C., Chicago, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Sound producer. 1,820,129; Aug. 25.
Farmer, Henry L., Tewksbury, Mass. Curling iron support. 1,833,281; Nov. 24.
Farmer, Norman. (See Farmer, Earl W. and N.)
Farmer, Patterson, Detroit, Mich. Refrigerator control. 1,809,928; June 16.
Farmer, Patterson, Detroit, Mich. Cabinet construction. 1,809,929; June 16.
Farmer, Patterson, Detroit, Mich. Regulatable bellows mechanism of refrigeration systems. 1,826,307; Oct. 6.
Farmer, Ralph E. (See Petersen, R., and Farmer.)
Farmer, Richard W., Northampton, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for making shoes. 1,789,307; Jan. 20.
Farmer, Robert E. (See Farmer, Frank T., assignor.)
Farmer, Roscoe D., Oklahoma City, Okla. Joint form for paving. 1,826,062; Oct. 6.
Farmer, Thomas A., assignor of one-half to C. E. Miller, Dubach, La. Doorlock. 1,792,154; Feb. 10.
Farmers Manufacturing Company. (See Hunt, Sylvester H., assignor.)
Farmers' National Bank of Greenville, Ohio. (See French, C. A., and Waterman, assignors.)
Farmers' National Bank of Greenville, Ohio, trustee. (See Waterman, Russell R., assignor.)
Farnam, Julian P., and E. R. Stone, Minneapolis, Minn. Internal combustion engine. 1,813,730; July 7.
Farnell, Herbert, Littleton, Colo. Pocket sluice. 1,811,117; June 23.
Farnham, Paul O. (See Drake, F. H., and Farnham.)
Farnham, Paul O. and R. Asserson, assignors to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Electrical amplifier circuit. 1,799,093; Mar. 31.
Farnham, Reginald V., Barnsley, England. Treatment of discrete materials with gaseous media particularly applicable to drying. 1,796,324; Mar. 17.
Farnik, John A., St. Louis, Mo. Rumble seat top. 1,821,884; Sept. 1.
Farnstrom, Albin, assignor of one-half to T. Spute, Detroit, Mich. Float. 1,838,086; Dec. 29.
Farnsworth, Frank S., Derby County, England. Driving and spring suspension of vehicles. 1,809,196; June 9.
Farnsworth, Hiland R., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Gearless pivoted suction roll. 1,832,973; Nov. 24.
Farnsworth, Hiland R., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Suction roll. 1,832,974; Nov. 24.
Farnsworth, James E. (See Sippel, W. H., and Farnsworth.)
Farnsworth, Philo T., Berkeley, assignor, by mesne assignments, to Television Laboratories, Inc., San Francisco, Calif. Light valve. 1,806,935; May 26.
Farone, Michael, assignor of one-half to L. Stamat, Watertown, N. Y. Barber's neck duster. 1,837,154; Dec. 15.
Farquhar, Joseph W., Philadelphia, Pa., and W. Hensel, Merchantville, N. J., said Hensel assignor to H. W. Butterworth & Sons Company. Dyeing machine. 1,820,385; Aug. 25.
Farquharson, Irving W., Media, Pa. Combination spoon and scraper or similar article. Des. 85,232; Sept. 29.
Farr, Alfred C., assignor to C. Horner, Upland, Ind. Door. 1,804,329; May 5.
Farr, Edward A., assignor to Manning, Bowman & Co., Meriden, Conn. Clock casing. Des. 83,600; Mar. 10.
Farr, Frederick G., et al., trustees. (See Farr, F. G., and Didinger, assignors.)

Farr, Frederick G., New York, N. Y., and G. H. Didinger, Philadelphia, Pa., assignors to F. G. Farr, D. Slingluff, and G. H. Didinger, trustees. Steam generator. 1,806,390; May 19.
Farr, Frederick G., deceased, by H. R. Farr, executrix, Garden City, assignor to Farr Hydraulic Systems, Inc., New York, N. Y. Nozzle controlled switch. 1,827,355; Oct. 13.
Farr, Helen R., executrix. (See Farr, Frederick G.)
Farr, Henry V. (See Mallinckrodt, E., jr., and Farr.)
Farr, Henry V. (See Mallinckrodt, E., jr., Farr, and Hall.)
Farr Hydraulic Systems, Inc. (See Farr, Frederick G., assignor.)
Farr, Joseph W., Oak Park, Ill. Self-furring lathing nail. 1,792,217; Feb. 10.
Farr, Warren H. (See Tarbox, J. P., Eksergian, and Farr.)
Farr, Willard H., assignor to Stewart-Warner Corporation, Chicago, Ill. Windshield wiper. 1,830,354; Nov. 3.
Farr, Willard H., assignor to Stewart-Warner Corporation, Chicago, Ill. Dirigible spotlight. 1,830,355; Nov. 3.
Farrand, Hiram A., Inc. (See Farrand, Hiram A., assignor.)
Farrand, Hiram A., assignor to H. A. Farrand, Inc., Berlin, N. H. Controlling resilient rules. 1,799,044; Mar. 31.
Farrand, Hiram A., assignor to H. A. Farrand, Inc., Berlin, N. H. Means for controlling resilient rules. 1,799,094; Mar. 31.
Farrand, Hiram A., assignor to Hiram A. Farrand, Inc., Berlin, N. H. Coiling concavo-convex springs. 1,820,789; Aug. 25.
Farrand, Hiram A., assignor to Hiram A. Farrand, Inc., Berlin, N. H. Resilient rules. 1,828,401; Oct. 20.
Farrar, Alvin J., Cleveland, Ohio. Parking light timing device. 1,826,870; Oct. 13.
Farrar, Clarence A., Whitman, assignor to A. J. Fish, Brockton, Mass. Tag patching machine. 1,831,807; Nov. 17.
Farrar, Jesse H., Lubbock, Tex. Adjustable road stand. 1,812,689; June 30.
Farrar, Kilby, London, Ohio. Hose holder. 1,809,550; June 9.
Farrar, Louis L., assignor to The Miller Company, Meriden, Conn. Shade or reflector. Des. 85,864; Dec. 29.
Farrel-Birmingham Company. (See Banbury, Fernley H., assignor.)
Farrel Birmingham Company. (See Bowen, David R., assignor.)
Farrell-Birmingham Company. (See Bowen, D. R., and Schnuck, assignors.)
Farrell, Edward, New York, N. Y. Attachment for furniture. 1,800,613; Apr. 14.
Farrell, Joseph E., jr., Washington, D. C. Battery-terminal connecter. 1,788,089; Jan. 6.
Farrell, Robert J. (See Kiefer, R. F., Ritchey, and Farrell.)
Farrelly, Adaline, Chicago, Ill. Shampoo cap. 1,806,155; May 19.
Farrelly, Patrick, Belmont, Calif. Shirt protecting support. 1,826,206; Oct. 6.
Farrill, Grover C., assignor of twenty per cent to Frank Ladymon, Dallas, Tex. Combination harrow. 1,793,919; Feb. 24.
Farrington, Bruce B. (See Cushman, O. E., and Farrington.)
Farrington, Charles W., Bedford, Mass. Tube socket cleaner. 1,801,731; Apr. 21.
Farrington, Duane O., Riverside, Calif. Vehicle door bumper. 1,800,060; Apr. 7.
Farrington, Duane O., Riverside, Calif. Vehicle door bumper. 1,800,061; Apr. 7.
Farrington & Evans, Inc. (See Silver, Maxwell, assignor.)
Farrington, John F., Flushing, assignor to Western Electric Company, Incorporated, New York, N. Y. Wave-suppression circuit. 1,795,484; Mar. 10.
Farrington Manufacturing Company. (See Dugdale, Richard M., assignor.)
Farrington, Thomas H., Stockton, Calif. Gas burning attachment for stoves. 1,838,753; Dec. 29.
Farris, Frank M., Nashville, Tenn. Grain purifier. 1,799,010; Mar. 31.
Farris, Wayne, Wabash, Ind. Cigar and cigarette holder. 1,799,550; Apr. 7.
Farrow, Frederick R., jr., Audubon, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Diaphragm mounting. 1,831,235; Nov. 10.
Farup, Peder, Vettakollen, Vestre Aker, Norway, assignor to Titanium Pigment Company Inc., New York, N. Y. Treating titanium compounds containing iron. 1,831,852; Nov. 17.
Fashing, William V., St. Paul, Minn. Hair wave placer. 1,831,106; Nov. 10.
Fassler, Peter W., assignor to General Motors Corporation, Detroit, Mich. Welding machine. 1,826,207; Oct. 6.
Fassmann, Bruno, Berlin, Germany, assignor to Addressograph Company, Chicago, Ill. Selection apparatus of addressing and other similar printing machines. 1,788,090; Jan. 6.
Fassmann, Bruno, Tempelhof, Berlin, Germany, assignor to Addressograph Company, Chicago, Ill. Selection apparatus of addressing and other similar printing machines. 1,788,091; Jan. 6.
Fassmann, Bruno, Tempelhof, Berlin, Germany, assignor to Addressograph Company, Chicago, Ill. Addressing and similar printing machine. 1,789,646; Jan. 20.
Fassmann, Bruno, Berlin, Germany, assignor to Addressograph Co., Chicago, Ill. Sheet feeding device. 1,835,562; Dec. 8.
Fassmann, Marshall W., Monroe, La. Lock actuated electrical switch. 1,825,448; Sept. 29.
Fassnacht, Karl. (See Schraysshuen, C., and Fassnacht.)
Fassnacht, Karl, assignor to Speidel Chain Co., Providence, R. I. Ornamental chain. 1,796,362; Mar. 17.
Fassnacht, Karl, assignor to Speidel Chain Co., Providence, R. I. Ornamental chain. 1,810,040; June 16.
Fassnacht, Karl, and R. Gloss, assignors to Speidel Chain Co., Providence, R. I. Flexible chain. 1,822,393; Sept. 8.
Fassnacht, Karl, and R. Gloss, assignors to Speidel Chain Co., Providence, R. I. Flexible chain. 1,831,951; Nov. 17.
Fassotte, Adolphe D. H. L., Lommel, Belgium. Roasting and/or sintering of fine ores or other fine materials. 1,789,895; Jan. 20.
Fast, Friedrich, Berlin, Germany. Device for sorting coins. 1,813,841; July 7.
Fasting, Johan S., Valby, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Rotary kiln and the like. 1,793,471; Feb. 24.
Fasting, Johan S., Valby, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Grinding mill. 1,822,436; Sept. 8.
Fasulo, Louis, Brooklyn, N. Y. Tailoring implement-set. 1,828,494; Oct. 20.
Faucher, Alex A. (See Faucher, Le Roy E. and A. A.)
Faucher, Joseph A., Detroit, Mich., and E. P. Halliburton, Tulsa, Okla., assignors to Morgan & Wright, Airplane tire. 1,833,019; Nov. 24.
Faucher, Le Roy E. and A. A., Fresno, Calif. Storage battery connection. 1,802,415; Apr. 28.
Faudi, Fritz, Sommerda, Germany. Stuffing box. 1,793,738; Feb. 24.
Faudi, Fritz, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Sommerda, Aktiengesellschaft, Sommerda, Thuringia, Germany. Air brake. 1,792,686; Feb. 17.
Faulhafer, Valentine G. (See Erlendson, J., and Faulhafer.)
Faulkner, David S., and E. Timbs, Los Angeles, Calif., assignors to The National Supply Company of Delaware, New York, N. Y. Rotary drawworks. 1,836,067; Dec. 15.
Faulkner, George W., et al. (See Bausinger, H. C., jr., and Barnes, assignors.)
Faultless Caster Company, The. (See Goldsmith, E. L., and Noelting, assignors.)
Faultless Caster Company. (See Noelting, Clarence B., and W. H., assignor.)
Faultless Caster Company. (See Noelting, William H., assignor.)
Faultless Manufacturing Company, The. (See Butts, Daniel G., assignor.)
Faultless Manufacturing Company, The. (See Christman, Edward A., assignor.)
Faultless Manufacturing Company, The. (See Krein, Andrew J., assignor.)
Faultless Manufacturing Company, The. (See Ramsey, George, assignor.)
Faultless Rubber Company, The. (See Miller, T. W., and Greene, assignors.)
Faunce, Harold W., Atlantic City, N. J. Moving picture film holding device. 1,835,479; Dec. 8.
Faure, Julien M. P., assignor to Verney-Carron & Cie., St. Etienne, France. Firearm. 1,830,989; Nov. 10.
Faure-Roux, Charles, assignor to Etablissements Ch. Faure-Roux, St.-Chamond, France. Braiding machine. 1,830,196; Nov. 3.
Faurot, Joseph A. (See Wolfe, C. L., and Faurot.)
Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Electric measuring instrument. 1,804,330; May 5.
Faus, Herbert W., White Plains, N. Y. Testing apparatus. 1,787,675; Jan. 6.
Fausch, Clarence. (See Thorp, J. R., and Fausch.)
Fausek, Arthur J. and I. F., St. Louis, Mo. Torch. 1,828,135; Oct. 20.
Fausek, Arthur J., and I. F., St. Louis, Mo. Welding torch. 1,832,623; Nov. 17.
Fausek, Irwing F. (See Fausek, Arthur J. and I. F.)
Fauser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug. Des. 83,519; Mar. 3.
Fauser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug. Des. 83,520; Mar. 3.
Fauser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug. Des. 83,521; Mar. 3.
Fauser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug. Des. 83,522; Mar. 3.
Fauser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug. Des. 83,523; Mar. 3.
Fauser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug. Des. 83,524; Mar. 3.
Fauser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug. Des. 83,525; Mar. 3.
Fauser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug. Des. 83,526; Mar. 3.

Fauser, Gustave M., Ardsley-on-Hudson, N. Y., assignor to Congoleum-Nairn, Inc. Rug. Des. 83,527; Mar. 3.
Fauser, Gustave M., Ardsley on Hudson, N. Y., assignor to Atkinson, Wade & Co., Inc., New York, N. Y. Textile fabric or similar article. Des. 84,468; June 23.
Fauser, Gustave M., Ardsley on Hudson, assignor to Atkinson, Wade & Company, Inc., New York, N. Y. Textile fabric or similar article. Des. 84,734; July 28.
Fauser, Oscar, jr., Peoria, Ill. Carburetor. 1,798,461; Mar. 31.
Fauser, Oscar W., Bellerose, N. Y., assignor to Congoleum-Nairn, Inc. Rug. Des. 83,528; Mar. 3.
Faust, Frederick G., Columbia, Mo. Safety razor. 1,797,334; Mar. 24.
Fauth, Elizabeth D. (See Grieves, H. H., and Fauth.)
Favarger, François, Neuchatel, Switzerland, assignor, by mesne assignments, to The Teleregister Corporation, New York, N. Y. Quotation-indicating system. 1,787,620; Jan. 6.
Favata, Joseph, jr., Buffalo, N. Y. Holder for flower pots and cut flowers. 1,815,195; July 21.
Fave, Marie A. J., Bordeaux, France. Dynamo-electric machine. 1,790,413; Jan. 27.
Faverty, Clyde B., assignor to Ryan Mnfg. Corporation, Chicago, Ill. Road grader main frame. 1,828,526; Oct. 20.
Faverty, Clyde B., Hammond, Ind., and W. J. Schlacks, assignors to Ryan Manufacturing Corporation, Chicago, Ill. Double reversible moldboard for graders. 1,828,711; Oct. 20.
Favini, William E. (See Mizzy, A. D., and Favini.)
Favorite, William T., Detroit, Mich., assignor of one-half to A. W. Stas, Chicago, Ill. Windshield wiper. 1,832,373; Nov. 17.
Favorite Stove and Range Company, The. (See Herwig, Conrad, jr., assignor.)
Favorite Stove and Range Company, The. (See Ross, S., and McMaken, assignors.)
Favour, Paul, assignor to Eastman Kodak Company, Rochester, N. Y. Accessory for photographic films. 1,791,893; Feb. 10.
Favour, Paul, assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture film. 1,817,977; Aug. 11.
Favour, Paul, assignor to Eastman Kodak Company, Rochester, N. Y. Light protected motion picture film. 1,826,695; Oct. 6.
Favre, William E., Geneva, Switzerland. Apparatus for indicating the consumption of liquids. 1,833,832; Nov. 24.
Favro, Silvio, Portland, Oreg. Measuring device. 1,815,468; July 21.
Fawcett, Thomas H., Philadelphia, Pa. Equalizing gear for locomotives. 1,789,227; Jan. 13.
Fawell, Thomas W., Chicago, Ill. Picture-projecting apparatus. 1,792,971; Feb. 17.
Fawick, Thomas L., Racine, Wis. Three speed transmission. 1,830,430; Nov. 3.
Fawick, Thomas L., Racine, Wis., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission. 1,792,484; Feb. 17.
Fawick, Thomas L., Racine, Wis., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Automobile drive. 1,792,485; Feb. 17.
Fawick, Thomas L., Racine, Wis., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Automobile gearing. 1,795,426; Mar. 10.
Fawkes, Charles G., Denver, Colo. Vehicle wheel. 1,805,574; May 19.
Fay, Alpheus, and J. L. Zehnder, Louisville, Ky. Animal racing-device. 1,812,473; June 30.
Fay, Carl J., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric vaporizer. 1,810,650; June 16.
Fay, Horace B., Cleveland Heights, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Control means for cooling systems for internal-combustion engines. 1,791,756; Feb. 10.
Fay, J. A., & Egan Company, The. (See Hirst, James E., assignor.)
Fay, Owen J., Chicago, H. T. Heimberger, Riverside, and E. Pugh, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Heating device. 1,810,164; June 16.
Fayer, Charles. (See Wappler, F. H., and Fayer.)
Fayolle, Paul. (See Plummer, Edgar P., assignor.)
Fazekas, Anton, San Francisco, Calif. Miniature-Golf-Course Hazard. Des. 83,529; Mar. 3.
Fazekas, Anton, San Francisco, Calif. House-number-plate. Des. 84,886; Aug. 18.
Fazekas, Fred G., Maywood, Ill. Supporting device. 1,808,647; June 2.
Fazio, Vincenzo, Scranton, Pa. Timber jack. 1,795,548; Mar. 10.
Fear, Fred, & Co. (See Lowenstein, Gabriel, assignor.)
Fear, Harold J. (See Bassett, C. W., and Fear.)
Fear, Harold J., Montclair, assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Signal system for elevators. 1,811,622; June 23.
Fearing, Allen C., South Weymouth, Mass., assignor, by mesne asignments, to United-Carr Fastener Corporation, Cambridge, Mass. Fastener-part-feeding mechanism for fastener-attaching machines. 1,788,762; Jan. 13.
Fearing, Edward W., East Orange, N. J. Amplification system. 1,814,247; July 14.
Feather, George, Halifax, England. Indicating device. 1,789,732; Jan. 20.
Febles, Ramon. (See Small, J. W., and Febles.)
Fechheimer, Carl J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Propeller type pump or fan. 1,807,397; May 26.
Fechheimer, Carl J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Measuring device. 1,834,392; Dec. 1.
Fedco System, Inc. (See Povalski, Bernard J., assignor.)
Fedderman, George C., assignor to Auto Loading Device Manufacturing Company, Detroit, Mich. Holding auto-chock blocks. 1,837,657; Dec. 22.
Fedderman, George C., and G. W. Marlin, Detroit, Mich.; said Marlin assignor to said Fedderman. Load securing device. 1,816,897; Aug. 4.
Feddern, Carl O., assignor to Globe Ticket Company, Philadelphia, Pa. Ticket holder. 1,802,339; Apr. 28.
Fedders Manufacturing Company. (See Askin, Joseph, assignor.)
Fedders Mfg. Co. (See Ihde, August F., assignor.)
Fedders Manufacturing Company. (See Slagel, Franklin G., assignor.)
Fedders Manufacturing Company. (See Yeager, Harry P., assignor.)
Feddersen, George, et al. (See Buhren, Hans, assignor.)
Fedeler, John H., New York, N. Y. Stopper. 1,789,959; Jan. 27.
Fedeler, John H., New York, N. Y. Apparatus for treating organic material. 1,797,335; Mar. 24.
Fedeler, John H., New York, N. Y. Air filtering device. 1,833,674; Nov. 24.
Federal Bill Counter Company, The. (See Lard, Allan E., assignor.)
Federal Cooperage Corporation. (See Latimer, William G., assignor.)
Federal Electric Company. (See Bielski, Joseph, assignor.)
Federal Glass Company, The. (See Beatty, Robert J., assignor.)
Federal Glass Company, The. (See Cornwell, Virgil O., assignor.)
Federal Glass Company, The. (See Dunbar, G. S., Nicholson, and Barry, assignors.)
Federal Glass Company, The. (See Nicholson, Albert H., assignor.)
Federal Laboratories. (See Young, J. W., Lowy, and Reynolds, assignors.)
Federal Laboratories, Inc. (See Young, John W., assignor.)
Federal Mogul Corporation. (See Blomstrom, Lowell C., assignor.)
Federal Piston Ring Co. (See Wilson, John M., assignor.)
Federal Products Corporation. (See Litterio, Caesar B., assignor.)
Federal Telegraph Company. (See Barone, Salvatore A., assignor.)
Federal Telegraph Company. (See Brower, William M., assignor.)
Federal Telegraph Company. (See Crossley, Alfred, assignor.)
Federal Telegraph Company. (See Culver, Charles A., assignor.)
Federal Telegraph Company. (See Duncan, Robert D., jr., assignor.)
Federal Telegraph Company. (See Fisher, Gerhard R., assignor.)
Federal Telegraph Company. (See Gebhard, Louis A., assignor.)
Federal Telegraph Company. (See Gebhard, L. A., and Rudolph, assignors.)
Federal Telegraph Company. (See Hough, Clinton W., assignor.)
Federal Telegraph Company. (See Hund, August, assignor.)
Federal Telegraph Company. (See Kolster, Frederick A., assignor.)
Federal Telegraph Company. (See Kolster, F. A., and Kruesi, assignors.)
Federal Telegraph Company. (See Kruesi, Geoffrey G., assignor.)
Federal Telegraph Company. (See Mirick, Carlos B., assignor.)
Federal Telegraph Company. (See Nicolson, Alexander M., assignor.)
Federal Telegraph Company. (See Nicolson, Alexander McL., assignor.)
Federal Telegraph Company. (See Overacker, Horace E., assignor.)
Federal Telegraph Company. (See Pierce, Leo F., assignor.)
Federal Telegraph Company. (See Powell, Edwin L., assignor.)
Federal Telegraph Company. (See Royden, George T., assignor.)
Federal Telegraph Company. (See Shermund, Ralph C., assignor.)
Federal Telegraph Company. (See Sokoloff, Boris N., assignor.)
Federal Telegraph Company. (See Sollie, Siguard A., assignor.)

Federal Telegraph Company. (See Taylor, Albert H., assignor.)
Federal Telegraph Company. (See Trogner, Arthur M., assignor.)
Federal Telegraph Company. (See White, Edwin L., assignor.)
Federal Telegraph Company. (See Worrall, Robert H., assignor.)
Federal Telegraph Company. (See Young, Leo C., assignor.)
Federal Tin Company. (See Costello, Peter E., assignor.)
Federbusch, Oscar, assignor of twenty-five per cent to M. H. Claster and twenty-five per cent to L. Claster, Arnold, Little Falls, N. Y. Liquid storage or tempering apparatus. 1,817,978; Aug. 11.
Federbush, Jay D. (See Federbush, M. W. and J. D.)
Federbush, Max W. and J. D., New York, N. Y. Automatic locking device for loose leaf binders. 1,832,195; Nov. 17.
Federer, Louis A., Owensmouth, Calif. Poultry coop. 1,831,952; Nov. 17.
Federico, Leonardo, Roslindale, and V. Nicholas, Brighton, Mass. Safety window platform. 1,830,830; Nov. 10.
Federle, Joseph C., assignor to Delco-Light Company, Dayton, Ohio. Carburetor for internal combustion engines. 1,828,800; Oct. 27.
Feders Manufacturing Company. (See Slagel, Franklin G., assignor.)
Federwitz, Theodore A., and W. T. Bailey, Philadelphia, assignors to Stokes and Smith Company, Summerdale, Philadelphia, Pa. Conveying system. 1,803,935; May 5.
Federwitz, Theodore A., and W. T. Bailey, Philadelphia, assignors to Stokes and Smith Company, Summerdale, Philadelphia, Pa. System for applying wrappers. 1,804,094; May 5.
Federwitz, Theodore A., and W. T. Bailey, assignors to Stokes and Smith Company, Philadelphia, Pa. Conveying system. 1,804,406; May 12.
Federwitz, Theodore A., and W. T. Bailey, assignors to Stokes and Smith Company, Philadelphia, Pa. Box forming mechanism. 1,831,236; Nov. 10.
Fedler, Joseph H., Kansas City, Mo., assignor, by mesne assignments, to Modern Laundry Machine Manufacturing Company. Gearing for washing machines. 1,787,724; Jan. 6.
Fedor, John P., Newcastle, Ind. Aeroplane wing. 1,808,842; June 9.
Fee, Clarence A., Chicago, Ill., assignor to Simonds Saw and Steel Company, Fitchburg, Mass. Circular saw and making the same. 1,803,103; Apr. 28.
Fee, Daniel J., San Francisco, Calif. Stadia calculator. 1,802,969; Apr. 28.
Feehan, Michael H., assignor to Crompton & Knowles Loom Works, Worchester, Mass. Filling stop motion for looms. 1,830,266; Nov. 3.
Feeley, Joseph P., New York, assignor to Electrol Incorporated, St. Louis, Mo. Mechanical advertising device. 1,816,521; July 28.
Feezer, Clarence H., Gilgore, Nebr. Strainer and sediment bowl for gasoline tanks. 1,820,790; Aug. 25.
Fegley, Thomas J., and G. O. Leopold, assignors to North Bro's M'f'g Co., Philadelphia, Pa. Extension bit. 1,805,330; May 12.
Fegley, Thomas J., and G. O. Leopold, assignors to North Bros.'s. M'f'g. Co., Philadelphia, Pa. Portable power-driven saw. 1,806,528; May 19.
Fehér, Joseph. (See Csontos, M., and Fehér.)
Fehr, Eugene J., and K. J., Tobin, assignors to Camel Company, Chicago, Ill. Car door structure. 1,807,311; May 26.
Fehr, Fred, Palisade, N. J. Embroidered lace edging. Des. 85,370; Oct. 20.
Fehr, Fred, Palisade, N. J. Embroidered lace edging. Des. 85,371; Oct. 20.
Fehr, Fred, Palisade, N. J. Embroidered lace edging. Des. 85,372; Oct. 20.
Fehr, Fred, Palisade, N. J. Embroidered lace edging. Des. 85,373; Oct. 20.
Fehr, Fred, Palisade, N. J. Embroidered lace edging. Des. 85,374; Oct. 20.
Fehr, Fred, Palisade, N. J. Embroidered lace edging. Des. 85,375; Oct. 20.
Fehr, Fred, Palisade, N. J. Embroidered lace edging. Des. 85,376; Oct. 20.
Fehr, Fred, Palisade, N. J. Embroidered lace edging. Des. 85,377; Oct. 20.
Fehr, Fred, Palisade, N. J. Embroidered lace edging. Des. 85,378; Oct. 20.
Fehr, Roy B., Detroit, Mich., assignor to Gear Processing, Inc., Cleveland, Ohio. Gear. 1,813,875; July 7.
Fehre, Paul, New York, N. Y. Roller skate. 1,801,230; Apr. 14.
Fehrenbach, Fritz, Baden-Baden, Germany. Producing light metal pistons running in cylinders of harder material. 1,792,580; Feb. 17.
Fehrle, Alfred. (See Streitwolf, K., and Fehrle.)
Fehrney, Emery H., Chicago, Ill. Carburetor. 1,828,134; Oct. 20.
Feige, Harry, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Traveling tray oven. 1,815,555; July 21.
Feigenbaum, David. (See Lind, Edward, and Feigenbaum.)
Feighner, Emmett R., et al. (See States, Charles G., assignor.)
Feib, Richard, Carteret, N. J. Container. 1,830,990; Nov. 10.
Feild, Alexander L., Canton, assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Making open-hearth steel. 1,794,068; Feb. 24.
Feild, Alexander L., Canton, assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Manufacture of stainless iron. 1,812,941; July 7.
Feiler, Paul, Ludwigshafen-on-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of diolefines. 1,795,549; Mar. 10.
Feiler, Paul, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft Frankfort-on-the-Main, Germany. Production of unsaturated hydrocarbons. 1,799,787; Apr. 7.
Feiler, Saul, New York, N. Y. Woven body for decorative articles and the like. 1,821,504; Sept. 1.
Feinapparate G. m. b. H. (See Vetter, Leonhard, assignor.)
Feinberg, Albert A., assignor to Bureau of Engraving Inc., Minneapolis, Minn. Producing plaque etching. 1,792,486; Feb. 17.
Feinberg, Max and J. Nielson, Grand Island, Nebr. Stocking-display stand. 1,798,662; Mar. 31.
Feingold, Bernard, New York, N. Y. Dish drainer. 1,822,087; Sept. 8.
Feingold, Samuel, Brooklyn, N. Y. Television system. 1,789,521; Jan. 20.
Feinstein, Max, Corona, assignor to C. Miller, Long Island City, N. Y. Shoe. 1,798,248; Mar. 31.
Feinstein, Max, Corona, assignor to C. Miller, Long Island City, N. Y. Shoe lining. 1,833,564; Nov. 24.
Fekete, Alexander. (See Richter, R., and Fekete.)
Fekete, Stephen I., assignor to Hudson Motor Car Company, Detroit, Mich. Manifold clamp. 1,799,360; Apr. 7.
Fekete, Stephen I., and S. G. Baits, assignors to Hudson Motor Car Company, Detroit, Mich. Lubricating motor-vehicle transmission and the like. 1,787,428; Jan. 6.
Fekete, Stephen I., and M. H. Toncray, assignors to Hudson Motor Car Company, Detroit, Mich. Automobile body. 1,789,381; Jan. 20.
Felber, John B., Cleveland, Ohio. Front-cover panel for a vending machine. Des. 83,319; Feb. 17.
Feld, Herman, Middle Village, N. Y. Electrically heated tool. 1,816,113; July 28.
Feldblet, Herman L., New York, N. Y. Form and form holder for concrete wall and arch construction. 1,799,505; Apr. 7.
Felbeck, George T., Rockville Center, N. Y. Internal combustion engine. 1,830,197; Nov. 3.
Feldenheimer, William, London, England. Purification and treatment of clay. 1,791,959; Feb. 10.
Feldenheimer, William, London, England. Manufacture of rubber compositions. 1,805,517; May 19.
Feldin, Emil G., Everett, Wash. Child's cart. 1,797,412; Mar. 24.
Feldkamp, Frederick A., Newark, N. J., assignor to E. C. White, New York, N. Y. Clock mechanism. 1,820,386; Aug. 25.
Feldman, Abraham G., Chicago, Ill. Crib. Des. 85,036; Sept. 8.
Feldman, Abraham G., Chicago, Ill. Crib. Des. 85,037; Sept. 8.
Feldman, Abraham G., Chicago, Ill. Crib. Des. 85,038; Sept. 8.
Feldman, Charles L., et al., receivers. (See Lucas, George M. C., assignors.)
Feldman, Gladys E., New York, N. Y. Immersion heater. 1,801,307; Apr. 21.
Feldman, Hiram H., Pittsburgh, Pa. Bedstead. 1,815,616; July 21.
Feldman, Joseph. (See Roberds, Garfield A., assignor.)
Feldman, Joseph, and J. Lessem, New York, N. Y.; said Lessem assignor to said Feldman. Hand baggage. 1,806,246; May 19.
Feldman, Max W. (See Epton, A. I., and Feldman.)
Feldman, Moritz, Barmen, Germany. Garter. 1,814,438; July 14.
Feldman, Philip, Jamaica, and R. G. H. Cornish, Richmond Hill, N. Y. Garment supporter. 1,836,458; Dec. 15.
Feldmann, Wilhelm, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Gas purifying plant. 1,820,734; Aug. 25.
Feldmeier, Harvey, Little Falls, N. Y., assignor, by mesne assignments, to Cherry-Burrell Corporation, Wilmington, Del. Heat interchanger. 1,821,934; Sept. 8.
Feldmeier, Harvey, and C. B. Dalzell, Little Falls, N. Y., assignors, by mesne assignments, to Cherry-Burrell Corporation, Wilmington, Del. Discharge mechanism for pasteurizer vats and the like. 1,839,092; Dec. 29.
Feldmeyer, Josef, Munich, Germany. Permutation lock. 1,793,602; Feb. 24.
Feldmuhle Papier- und Zellstoffwerge Aktiengesellschaft. (See Krull, Hans., assignor.)
Feldtkeller, Richard, Berlin, and W. Wolman, Siemensstadt, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone interconnecting circuit. 1,832,452; Nov. 17.

Feley, Henry N., East Orange, N. J. Book cover. 1,810,952; June 23.
Felger, Hermann, Nuremberg, Germany. Propelling pencil. 1,805,575; May 19.
Felies, Jacques F., Antwerp, Belgium. Apparatus for converting reciprocating motion into rotary motion or vice versa. 1,823,681; Sept. 15.
Felipe, Vincent Z., New York, N. Y. Fountain pen and pencil. 1,827,311; Oct. 13.
Felix, Benjamin B., Chicago, Ill. Cushioning strip. 1,805,576; May 19.
Felix, Friedrich. (See Bernhard, H., and Felix.)
Felix, Friedrich. (See Bommer, M., de Montmollin, Frohlich, Grieshaber, Jaeck, and Felix.)
Felix, Friedrich, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Condensation product and process of making same. 1,833,245; Nov. 24.
Felix, Friedrich, and W. Jaeck, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Production of azo dyestuffs on acidyl cellulose. 1,793,390; Feb. 17.
Felizat, Georges. (See David, L. F., and Felizat.)
Felkel, Joseph M., Sapulpa, Okla. Arch support for shoes. 1,835,854; Dec. 8.
Fell, Clarence A., Etwall, England. Cage or crate for transporting livestock. 1,822,772; Sept. 8.
Feller, Gottfried, Milwaukee, Wis. Antirattler. 1,815,247; July 21.
Feller, Karl, Pittsburgh, Pa. Drive mechanism for skewed rollers. 1,833,965; Dec. 1.
Fellers, Albert E. (See Hopkins, R. Z., Fellers, and Coffelt.)
Felley, Frank G., assignor to E. D. Jones & Sons Co., Pittsfield, Mass. Roll for beating engines and the like. 1,837,768; Dec. 22.
Fellman, Robert L., and M. C. George, Golbey, near Epinal, France. Hydraulic control device. 1,834,773; Dec. 1.
Fellner, Alphonse E., Belleville, Ill. Detachable manifold cover plate for ranges. 1,815,556; July 21.
Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
Fellows, John H., assignor to The Stanley Works, New Britain, Conn. Method of and apparatus for processing strip metal. 1,387,159; Dec. 15.
Fellows, Walter C., Philadelphia, Pa., assignor to C. R. Carver Company. Embossing and printing press. 1,825,945; Oct. 6.
Fellroth, Erick O., Minneapolis, assignor to Martin Brothers Company, Minneapolis, Minn. Overall. 1,820,532; Aug. 25.
Fells, Joseph M., Pasadena, Tex., assignor of twenty per cent to J. C. Bass and twenty per cent to H. O. Southerland. Aeroplane. 1,831,166; Nov. 10.
Felis, Ruth, Brooklyn, assignor to United States Mail Chute Corporation, New York, N. Y. Mail chute. 1,804,159; May 5.
Felms Revo Corporation. (See Altman, Fred E., assignor.)
Felms Revo Corporation. (See Elms, John D., assignor.)
Fels, Jacob J. (See Kahn, Theodore, assignor.)
Felsch, Ernst. (See Kleinschmit, O., Apitzsch, and Felsch.)
Felsenthal, G., & Sons. (See Felsenthal, Lester J., assignor.)
Felsenthal, Lester J., Glencoe, assignor to G. Felsenthal & Sons, Chicago, Ill. Pencil attachment. 1,830,102; Nov. 3.
Felshin, Judah B., New York, assignor of one-third to M. Kirschstein and one-third to L. Oskow, Brooklyn, N. Y. Television. 1,814,137; July 14.
Felt & Tarrant Manufacturing Company. (See Newman, N. E., and Niemann, assignors.)
Felt & Tarrant Mfg. Co. (See Niemann, Frederick A., assignor.)
Feltault, Arthur J., Bloomfield, N. J. Laundry hamper. 1,800,825; Apr. 14.
Feltault, Arthur J., Bloomfield, N. J. Built-in laundry hamper or similar receptacle. 1,800,826; Apr. 14.
Felten and Guilleaume Carlswerk Actien Gesellschaft. (See Haanen, C. A., and Meurer, assignors.)
Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Meurer, Hans, assignor.)
Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Radt, Wilhelm P., assignor.)
Felten & Guilleaume Carlswerk Aktiengesellschaft. (See Schurer, Eugen., assignor.)
Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Zapf, Georg, assignor.)
Felten & Guilleaume Fabrikelektrischer Kabel-Stahl- und Kupferwerke Aktiengesellschaft. (See Fessl, Ferdinand, assignor.)
Feltman, Edward A., and E. C. A. Wickemeyer, Richmond, Ind. Glare eliminator. 1,804,922; May 12.
Felton, George W., Hamilton, N. Y. Gearing mechanism for changing speed ratios. 1,799,740; Apr. 7.
Felton, George W., Hamilton, assignor to Utica Products, Inc., Utica, N. Y. Clutch operating mechanism. 1,809,965; June 16.
Felton, William T., Buffalo, N. Y. Warning signal. 1,828,892; Oct. 27.
Feltyberger, Samuel, Pittsburgh, Pa. Golf unit. 1,818,700; Aug. 11.
Fenaille, Pierre, Paris, France. Universal coupling. 1,837,856; Dec. 22.

Fenati, Humbert M., New Castle, Pa. Brick machine. 1,793,216; Feb. 17.
Fenderson, Frank E., St. Petersburg, Fla. Trolling fin. 1,795,205; Mar. 3.
Fendorf, Charles E., Tuscumbia, Mo. Detachable and folding luggage carrier. 1,835,480; Dec. 8.
Fendrich, William, jr., Upper Montclair, N. J. Production of generator armatures. 1,809,197; June 9.
Fendt, Emil, and K. Schörg, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Electrical inductive and resistance heating device. 1,805,908; May 19.
Fenimore, George W., Los Angeles, Calif. Perpetual calendar. 1,788,51; Jan. 13.
Fenn, George M., Charlotte, Mich., assignor, by mesne assignments, to Seymour Manufacturing Company, Inc., Seymour, Ind. Coaster sled. 1,837,421; Dec. 22.
Fenn, Loren C., and S. Davis, Chinook, Wash. Pipe fitting apparatus. 1,805,909; May 19.
Fenn, Margaret F. (See Fenn, William B., assignor.)
Fenn, Robert H., Whitestone, N. Y. Automatic box machine. 1,791,960; Feb. 10.
Fenn, William B., assignor to M. F. Fenn, Port Washington, N. Y. Preventing the collapse of containers during vacuumizing, sterilizing, and sealing. 1,817,550; Aug. 4.
Fennema, Albert, Kenosha, Wis. Stopper for pipe lines. 1,814,677; July 14.
Fennema, Gabe R., Freeport, N. Y. Lifeboat holding and releasing mechanism. 1,796,648; Mar. 17.
Fenner, Lawrence, Chicago, Ill. Educational device. 1,836,231; Dec. 15.
Fensky, Charles, St. Louis, Mo. Hearing device. 1,824,427; Sept. 22.
Fenstermaker, Emanuel L., Lancaster, Pa. Cannon pinion. 1,800,011; Apr. 7.
Fenton, Almon N. (See Hollerith, H., jr., and Fenton.)
Fenton, Frank, Akron, Ohio, assignor, by mesne assignments, to The Miller Rubber Company Inc., Wilmington, Del. Water wings. 1,810,556; June 16.
Fenton, Frank S., assignor to Fenton's Sandwich, Inc., Cincinnati, Ohio. Restaurant building. Des. 84,188; May 19.
Fenton, Herbert W., Dowagiac, Mich. Twine cutter. 1,820,014; Aug. 25.
Fenton, Paul E. (See Warner, F. E., and Fenton.)
Fenton, Paul E., Thomaston, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn. Self adjusting carpet fastener. 1,819,156; Aug. 18.
Fenton, Paul E., Thomaston, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn. Resilient button loop. 1,820,450; Aug. 25.
Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Ornament and attachment therefor. 1,821,428; Sept. 1.
Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Snap fastener. 1,831,295; Nov. 10.
Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Snap fastener. 1,831,296; Nov. 10.
Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Resilient snap fastener element. 1,832,830; Nov. 17.
Fenton's Sandwich, Inc. (See Fenton, Frank S., assignor.)
Fentress, J. D., et al. (See Yeates, Derris B., assignor.)
Fenzel, William F., Cleveland, Ohio. Fuel mixing apparatus. 1,803,240; Apr. 28.
Feragen, A. E., Inc. (See Bennett, Claude C., assignor.)
Ferdinand, Louis J. (See Chardell, J. J., and Ferdinand.)
Fereday, Frederick T., Anchorage, Ky., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,806,795; May 26.
Ferenci, Lester, Brooklyn, N. Y., assignor to American Machine & Foundry Company. Automatic slip coupling. 1,805,692; May 19.
Ferguson, Berlin S., assignor to The Marion Steam Shovel Company, Marion, Ohio. Self-aligning cable drum. 1,811,623; June 23.
Ferguson, Berlin S., assignor to The Marion Steam Shovel Company, Marion, Ohio. Propelling mechanism for traction operated machines. 1,815,839; July 21.
Ferguson Brothers Manufacturing Company. (See Hanley, William, assignor.)
Ferguson Brothers Manufacturing Company. (See Wagner, Andrew, assignor.)
Ferguson, Cary E., and C. E. Shockency, Lima, Ohio. Flue marker. 1,817,243; Aug. 4.
Ferguson, Cary E., and C. E. Shockency, Lima, Ohio. Flue filer. 1,822,773; Sept. 8.
Ferguson, Cyrus C., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph repeater. 1,812,824; June 30.
Ferguson, Donald M. (See Maurer, E. R., and Ferguson.)
Ferguson, Edwin C. (See Debnam, T. H., and Ferguson.)
Ferguson, George K. S., North East, Pa. Packaging fruit and the like. Re18,099; June 16.
Ferguson, George M. (See Bergman, Zakarias N., assignor.)
Ferguson, Herman B., Philadelphia, Pa. Collapsible chest. 1,797,681; Mar. 24.
Ferguson, Hildrey. (See Hedges, James E., assignor.)

Ferguson, James, San Francisco, Calif. Time switch. 1,820,306; Aug. 25.
Ferguson, James H., jr., Wilkinsburg, Pa. Wall or crib structure. 1,818,056; Aug. 11.
Ferguson, John A., assignor of one-third to T. B. Sturges, Pittsburgh, Pa. Metallic structural frame-work. 1,837,706; Dec. 22.
Ferguson, John E., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Base-branding machine. 1,791,303; Feb. 3.
Ferguson, John E., and C. A. Nicolai, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Automatic radiotron tube testing machine. 1,808,301; June 2.
Ferguson, John M. (See Thornhill, Walter C., assignor.)
Ferguson, Joseph B., Newark, N. J. Reflecting sign. 1,832,196; Nov. 17.
Ferguson, Lincoln A., Arapahoe, Colo. Cultivator appliance. 1,790,093; Jan. 27.
Ferguson, Milford B., Brooklyn, N. Y., assignor to Package Machinery Company, Springfield, Mass. Twisting mechanism for wrapping machines. 1,816,080; July 28.
Ferguson, Richard E., St. Joseph, Mo. Surgical table. 1,822,206; Sept. 8.
Ferguson-Roberts, Kenneth, Oakland, Calif. Harmony calculator. 1,822,457; Sept. 8.
Ferguson, Samuel B., Harlingen, Tex. Railroad tie. 1,819,019; Aug. 18.
Ferguson, William, Flint, Mich. Hammer. 1,822,394; Sept. 8.
Ferguson, William, Flint, Mich. File holder. 1,831,590; Nov. 10.
Ferguson, William, Philadelphia, Pa., assignor to National Airoil Burner Company, Incorporated. Gas and oil burner. 1,797,570; Mar. 24.
Ferguson, William C., St. Louis, Mo. Joining bell and spigot pipes. 1,814,678; July 14.
Ferguson, William C., St. Louis, Mo. Jointing element for pipe and other tubular members. 1,823,974; Sept. 22.
Ferguson, William T., assignor of two-thirds to E. M. Crouch and H. J. Thorne, Beckley, W. Va., and one-third to D. E. Lloyd, trustee. Railroad crossing gate. 1,823,596; Sept. 15.
Ferguson, William W. (See Glenn, R. C., and Ferguson.)
Ferlin, John J. (See Goetz, H. W., Clark, and Ferlin.)
Fernandez y Fernandez, A., Habana, Cuba. Fuel burner. 1,819,363; Aug. 18.
Fernandez, Jesus, Brooklyn, N. Y. Gear shift cage. 1,838,989; Dec. 29
Fernandez, Segundo D. (See Pardo, O. G., and Fernandez.)
Fernekes, Valentine W., and W. H. Ray, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Conveying system. 1,804,923; May 12.
Ferngren, Enoch T., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass melting furnace and producing molten glass. 1,810,911; June 23.
Ferngren, Enoch T., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for flowing sheet glass. 1,818,217; Aug. 11.
Ferngren, Enoch T., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for drawing sheet glass. 1,829,639; Oct. 27.
Ferngren, Enoch T., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for forming sheet glass. 1,829,640; Oct. 27.
Ferngren, Enoch T., assignor to The Libbey-Owens-Ford Glass Company, Toledo, Ohio. Downflow sheet drawing apparatus. 1,829,641; Oct. 27.
Ferngren, Enoch T., Toledo, Ohio, and G. L. Mestler, Rochester, N. Y.; said Ferngren assignor of one-eighth to J. A. Ferngren, Toledo, Ohio. Display and vending cabinet. 1,796,014; Mar. 10.
Ferngren, Julia A. (See Ferngren, E. T., assignor, and Mestler.)
Fernstrum, Frank O., assignor to Gray Marine Motor Company, Detroit, Mich. Ventilating device. 1,802,642; Apr. 28.
Fernstrum, Frank O., assignor to Gray Marine Motor Co., Detroit, Mich. Motor boat layout. 1,810,953; June 23.
Ferrandino, Michele. (See Jacobson, J., and Ferrandino.)
Ferranti Inc. (See de Ferranti, S. Z., and Turner, assignors.)
Ferranti Inc. (See de Ferranti, Vincent Z., assignor.)
Ferranti, Limited. (See Norris, Eric D. T., assignor.)
Ferranti, Limited. (See Tucker, Alfred W. G., assignor.)
Ferreby, Rolla B., Los Angeles, Calif. Centrifugal propeller for dirigible balloons. 1,827,225; Oct. 13.
Ferree, Clarence E. and G. R., Baltimore, Md. Perimeter. Re17,987; Mar. 3.
Ferree, Gertrude Rand. (See Ferree, Clarence E. and G. R.)
Ferreira, Charles E., Oakland, Calif. Control mechanism for reclining chairs. 1,798,408; Mar. 31.
Ferreira, Charles E., Oakland, Calif. Reclining chair. 1,821,298; Sept. 1.
Ferreira, Charles E., Oakland, Calif. Reclining seat. 1,821,299; Sept. 1.
Ferreira, Charles E., Oakland, Calif. Chair for motor busses. 1,821,429; Sept. 1.
Ferrell, Dent, and A. W. Helmholtz, Harrisburg, assignors to Safety Mining Company, Chicago, Ill. Blasting mechanism. 1,803,501; May 5.
Ferrell, Dent, and A. W. Helmholtz, assignors to Safety Mining Company, Harrisburg, Ill. Blasting cartridge. 1,805,541; May 19.
Ferrell, Dent, and A. W. Helmholtz, assignors to Safety Mining Company, Harrisburg, Ill. Seal construction. 1,834,581; Dec. 1.
Ferrero, Blanche D., née Willmann, Paris, France. Bust support. 1,837,958; Dec. 22.
Ferretti, Antonio, Milan, assignor to Societá Invenzioni Brevetti Anonima-Torino, Turin, Italy. Treatment of animal fibers. 1,827,356; Oct. 13.
Ferrettie, Conrad. (See Bradley, C. E., and Ferrettie.)
Ferric Engineering Company. (See Carrington, Frank G., assignor.)
Ferrier, George A., Texon, Tex. Radiator cap. 1,833,833; Nov. 24.
Ferrier, Paul, Paris, France. Apparatus for the molding of long objects by centrifugal treatment. 1,828,037; Oct. 20.
Ferrier, Peter H., jr., Brookfield, Ill. Water heater. 1,818,057; Aug. 11.
Ferrin, Arthur M., Red Rock, Mont. Door or gate closer. 1,804,385; May 5.
Ferrin, Arthur W., assignor to Remington Oil Engine, Inc., Keyport, N. J. Safety control device for liquids. 1,788,827; Jan. 13.
Ferris Engineering Company. (See Carrington, Frank G., assignor.)
Ferris, Ervie A., Westwood, Calif. Valve for controlling the travel of tong dogs for sawmill carriages. 1,790,802; Feb. 3.
Ferris, Ervie A., Westwood, Calif. Offset for log carriers. 1,807,086; May 26.
Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Multiple-operated stanchion. 1,790,577; Jan. 27.
Ferris, John P. (See Ferris, Walter and J. P.)
Ferris, John P., assignor to The Oilgear Company, Milwaukee, Wis. Multiple hydraulic drive. 1,831,238; Nov. 10.
Ferris, Lockwood W., Salt Lake City, Utah. Preparing oxidized minerals for concentration by froth flotation. 1,831,808; Nov. 17.
Ferris, Malcolm, Washington, D. C. Radio loop antenna system. 1,805,942; May 19.
Ferris, Malcolm, assignor to Radio Frequency Laboratories, Inc., Boonton, N. J. Determining sensitivity. 1,793,601; Feb. 24.
Ferris, Seymour W., Lansdowne, Pa. Dewaxing oil. 1,816,367; July 28.
Ferris, Seymour W., assignor to The Atlantic Refining Company, Philadelphia, Pa. Fractional extraction of mineral oils. 1,788,569; Jan. 13.
Ferris, Sidney L., Decota, W. Va. Mining machine. 1,830,267; Nov. 3.
Ferris, Walter, Milwaukee, assignor to Bucyrus Company, South Milwaukee, Wis. Hydraulically-operated shovel. 1,793,438; Feb. 17.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Slip compensator for hydraulic drives. 1,796,986; Mar. 17.
Ferris, Walter, assignor to Oilgear Company, Milwaukee, Wis. Control gear. 1,813,040; July 7.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Machine wrench. 1,823,426; Sept. 15.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Broaching machine. 1,823,975; Sept. 22.
Ferris, Walter and J. P., Milwaukee, Wis. Pump. 1,798,198; Mar. 31.
Ferris, Warren R. (See Rockwood, A. C., and Ferris.)
Ferris, Wheaton C., University City, and R. M. Brennan, St. Louis, Mo. Expanding device. 1,806,339; May 19.
Ferris, William D., assignor to Frantz Manufacturing Company, Sterling, Ill. Garage-door construction. 1,788,994; Jan. 13.
Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Knob. 1,798,409; Mar. 31.
Ferris, William D., Sterling, assignor to Frantz Manufacturing Co., Sterling, Ill. Combined door banger and hinge. 1,821,697; Sept. 1.
Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Latch. 1,830,786; Nov. 10.
Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Ball bearing hinge. 1,836,232; Dec. 15.
Ferris, William D., assignor to Hustler Toy Corporation, Sterling, Ill. Mechanical toy demonstrator. 1,836,233; Dec. 15.
Ferris, William S., Elkhart, Ind. Back-rest arrangement for chairs. 1,788,018; Jan. 6.
Ferris, William S., Elkhart, Ind. Chair seat and back arrangement. 1,800,516; Apr. 14.
Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Door catch. 1,809,406; June 9.
Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Turnbuckle. 1,820,216; Aug. 25.
Ferriss, Edna K., et al. (See Gorr, Walter O., assignor.)
Ferriss, Edna K, et al. (See Harts, Clement B., assignor.)
Ferro, Casimiro, Bayonne, N. J. Lock for automobile tires, wheels, and other devices. 1,805,083; May 12.
Ferro-Nil Corporation. (See Palmer, Ralph M., assignor.)
Ferro Stamping Company. (See Lowe, Charles B., assignor.)
Ferro Stamping & Manufacturing Company. (See Devereaux, William C., assignor.)

Ferro Stamping & Mfg. Company. (See Lowe, Charles B., assignor.)
Ferrone, Frank D., New York, N. Y. Safety pin. 1,801,955; Apr. 21.
Ferry, John M., jr. (See Graham, D. P., and Ferry.)
Ferry, Louis, Clifton, N. J. Saw guard. 1,789,357; Jan. 20.
Ferry, Thomas, Cleveland, Ohio. Cap nut and making the same. 1,830,787; Nov. 10.
Fesler, Douglas F., assignor to Alemite Corporation, Chicago, Ill. Lubricating system. 1,787,439; Jan. 6.
Fesler, Douglas F., assignor to Alemite Corporation, Chicago, Ill. Lubricant compressor. 1,787,440; Jan. 6.
Fessenden, Reginald A., Chestnut Hill, Mass. Method and apparatus for heating buildings. 1,802,970; Apr. 28.
Fessl, Ferdinand, assignor to Felten-Guilleaume Fabrikelektrischer Kabel-Stahl- und Kupferwerke Aktiengesellschaft, Vienna, Austria. Method of and machine for stranding special or figured wires. 1,818,845; Aug. 11.
Fetter, Charles H., Millburn, N. J., assignor to American Telephone and Telegraph Company. Multiplex system. 1,794,889; Mar. 3.
Fetter, Charles H., Millburn, N. J., assignor to American Telephone and Telegraph Company. Multiplex system. 1,833,966; Dec. 1.
Fetter, Harry H., Washington, D. C. Indentification system for keys. 1,816,642; July 28.
Fetterly, Charles L., New Brunswick, and W. E. Smith, Milltown, assignors to Gulbenkian Seamless Rug Company, New Brunswick, N. J. Loom. 1,805,331; May 12.
Fetters, Arthur H., Omaha, Nebr., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive construction. 1,820,654; Aug. 25.
Fetyk, Joseph F., New York, N. Y., assignor to Francis Keil & Son, Inc. Locking mechanism. 1,806,991; May 26.
Fetyk, Joseph, New York, N. Y., assignor to Francis Keil & Son, Inc. Lock construction. 1,824,045; Sept. 22.
Feugill, Walter A. Methuen and J. R. Hosking, North Andover, Mass. Tension faller bar for spinning mules. 1,811,352; June 23.
Feurich, Alexander. (See Deseniss, Max, assignor.)
Feuszner, Otto, assignor to the firm: W. C. Heraeus, Gesellschaft mit beschränkter Haftung, Hanau-on-the-Main, Germany. Thermoelectric generator. 1,789,733; Jan. 20.
Feussner, Otto, Hanau-on-the-Main, assignor to the Firm W. C. Heraeus Gesellschaft mit beschrankter Haftung, Hanau-on-the-Main, Germany. Instrumental control apparatus. 1,822,989; Sept. 15.
Few, Sonia F., Niagara Falls, N. Y. Airplane. 1,816,898; Aug. 4.
Fewins, Frank, assignor of one-fourth to D. J. W. Huntington, Los Angeles, Calif. Hair cutter. 1,832,289; Nov. 17.
Fewkes, Joseph T., assignor to Sentry Safety Control Corporation, Philadelphia, Pa. Dowser control mechanism for motion picture projecting machines. 1,810,348; June 16.
Feybusch, Martin. (See Fleischer, P. W., and Feybusch.)
Feybusch, Martin. (See Fleischer, P. W., Feybusch, Hammer, and Dans.)
Feybusch, Martin, Brooklyn, N. Y., assignor to New Jersey Machine Corporation, Hoboken, N. J. Web-tensioning device. 1,792,081; Feb. 10.
Feyens, François, assignor to Societe Generale d'Etudes Industrielles (General Research Corporation), Societe Anonyme, Brussels, Belgium. Rotary compressor. 1,802,887; Apr. 28.
Feyens, François, assignor to Société Générale D'Etudes Industrielles, General Research Corporation, Société Anonyme, Brussels, Belgium. Internal combustion engine. 1,818,796; Aug. 11.
Feyens, François, assignor to Société Générale D'Etudes Industrielles, General Research Corporation, Société Anonyme, Brussels, Belgium. Hermetic closure for joints such as those between pump bodies and their plungers. 1,818,797; Aug. 11.
Feyl, John L. (See Lunz, G. A., and Feyl.)
Fiat Societa Anonima. (See Fornaca. Guido, assignor.)
Fiat Societa Anonima. (See Rosatelli, Celestino, assignor.)
Fiat Società Anonima. (See Valletta, Vittorio, assignor.)
Fiat Societa Anonima. (See Zerbi, Tranquillo, assignor.)
Fiberboard Products Inc. (See Ford, G. F., and Pittman, assignors.)
Fiberboard Products Inc. (See Rosener, Leland S., assignor.)
Fiberfraks Inc. (See Holcomb, Harry E., assignor.)
Fiberloid Corporation, The. (See Esselen, G. J., jr., and O'Kane, assignors.)
Fiberloid Corporation, The. (See Esselen, Gustavus J., jr., assignor.)
Fiberloid Corporation, The. (See Scott, Creston W., assignor.)
Fibre Conduit Company, The. (See Wehman, Frederick G., assignor.)
Fibre Process & Equipment Corporation. (See Lowry, George A., assignor.)
Fibre Specialty Manufacturing Company. (See Scarlett, George B., assignor.)
Fibroc Insulation Company. (See Frederick, Louis T., assignor.)
Fichten, Frank M., Davenport, Iowa. Clock mechanism. 1,814,679; July 14.
Fichthorn, Willi. (See Bauriedel, G., and Fichthorn.)
Fichtner, George E., Boonton, N. J. Stocking. Des. 85,518; Nov. 10.
Fichtner, George E., Morris County, and M. G. Van Arsdale, Essex County, N. J., assignors to Van Raalte Company, Inc., New York, N. Y. Hosiery. 1,791,405; Feb. 3.
Fick, Beulah B., Baltimore, Md. Drapery hook. 1,827,644; Oct. 13.
Fick, Hannibal H., McCausland, Iowa. Aeroplane. 1,793,788; Feb. 24.
Fickenscher, Adam, Moorefield, Nebr. Tractor attachment. 1,818,468; Aug. 11.
Fickett, Ernest L., Fitchburg, Mass., assignor, by mesne assignments, to Scurlock Gear Corporation, New York, N. Y. Gear-cutting machine. 1,796,092; Mar. 10.
Fickett, Ernest L., Fitchburg, Mass., assignor, by mesne assignments, to Scurlock Gear Corporation. Machine for producing spiral bevel gears. 1,796,515; Mar. 17.
Fickett, Ernest L., Fitchburg, Mass., assignor, by mesne assignments, to Scurlock Gear Corporation, New York, N. Y. Gear-cutting apparatus. 1,797,227; Mar. 24.
Fickett, Ernest L., Fitchburg, Mass., assignor, by mesne assignments, to Scurlock Gear Corporation, New York, N. Y. Gear-cutting machine. 1,799,460; Apr. 7.
Fickett, Ernest L., Fitchburg, Mass., assignor, by mesne assignments, to Scurlock Gear Corporation, New York, N. Y. Gearing. 1,814,911; July 14.
Fickett, Ernest L., Fitchburg, Mass., and A. W. Munsell, Teaneck, N. J., assignors, by mesne assignments, to said A. W. Munsell. Vibrator. 1,829,441; Oct. 27.
Fickett, Ernest L., L. E. Greene, V. Charushin, and J. S. Campbell, Fitchburg, Mass., assignors, by mesne assignments, to Scurlock Gear Corporation, New York, N. Y. Gear cutting machine. 1,830,753; Nov. 10.
Fickett, Ernest L., and R. P. Stocking, Fitchburg, Mass., assignors to Manning, Maxwell & Moore, Inc., New York, N. Y. Milling machine for locomotive driving boxes. 1,838,816; Dec. 29.
Ficklin, John M. V., Washington, D. C. Camera-level indicator. 1,792,687; Feb. 17.
Fidelity Machine Company. (See Blaisdell, Sidney B., assignor.)
Fidelity Trust Company, trustee. (See Chaplin, Merle P., assignor.)
Fidler, Harry E. (See Tenney, P. L., and Fidler.)
Fiedler, Sebastien O. A., assignor to l'Auxiliaire des Chemins de Fer et de l'Industrie, Paris, France. Feedwater heater. 1,794,161; Feb. 24.
Fiedler, Sebastion O. A., assignor to l'Auxiliare des Chemins de Fer et de l'Industrie, Paris, France. Feed water heater. 1,804,214; May 5.
Fiedler, Sebastien O. A., assignor to l'Auxiliare des Chemins de Fer et de l'Industrie, Paris, France. Feed water heater. 1,813,041; July 7.
Fiegel, William J., and W. S. Enderich, assignors to Bohn Aluminum and Brass Corporation, Detroit, Mich. Puddling device. 1,787,621; Jan. 6.
Fiegel, William J., and F. C. Jones, assignors to Bohn Aluminum and Brass Corporation, Detroit, Mich. Manufacturing bearings. 1,809,838; June 16.
Field, Crosby, Brooklyn, N. Y. Winding and unwinding mechanism. 1,826,758; Oct. 13.
Field, Crosby, Brooklyn, N. Y., assignor to Chemical Machinery Corporation. Heat transfer at high temperatures. 1,810,912; June 23.
Field, Crosby, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc. Holder for metal wool or the like. 1,821,505; Sept. 1.
Field & Flint Co. (See Field, Fred F., jr., assignor.)
Field, Frank E., Somerville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transformer and transformer system. 1,809,839; June 16.
Field, Fred F., jr., assignor to Field & Flint Co., Brockton, Mass. Shoe calk. 1,788,154; Jan. 6.
Field, George J. (See Deane, Herbert C., assignor.)
Field, Herbert C., Windsor, Ontario, Canada, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window regulator. 1,797,336; Mar. 24.
Field, Herbert D., El Paso, Tex., and R. C. McCrystal, Huntington Park, Calif. Dispensing carton. 1,793,073; Feb. 17.
Field, Katie E. (See Schaffner, Emanuel J., and N. E., and Field.)
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Railway-track circuit. 1,794,599; Mar. 3.
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Light signal. 1,794,600; Mar. 3.
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking device for railroads. 1,794,601; Mar. 3.
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 1,824,130; Sept. 22.
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 1,824,131; Sept. 22.
Field, Oscar S., Albany, assignor to General Railway Signal Company, Rochester, N. Y. Relay. 1,824,129; Sept. 22.
Field, Oscar S., Albany, assignor to General Railway Signal Company, Rochester, N. Y. Light signal. 1,835,150; Dec. 8.
Field, Robert F., Watertown, assignor to Atlantic Precision Instrument Company, Boston, Mass. Oscillatory circuits and method of compensating for voltage changes impressed thereon. 1,813,488; July 7.

Field, Russell M., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tap-changing system. 1,794,948; Mar. 3.
Field, Russell M., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tap changing system. 1,835,481; Dec. 8.
Field, Thomas W. (See Ewing, Herbert O., assignor.)
Fields, Francis X., Queens Village, N. Y. Cigarette wrapper and package. 1,824,879; Sept. 29.
Fields, Francis X., Queens Village, Long Island, N. Y. Cigarette wrapper and package. 1,824,948; Sept. 29.
Fieldstein, Jacob L., Springfield, Mass. Display tray. 1,815,651; July 21.
Fiene, Marcus E., Ballston Lake, N. Y., assignor to General Electric Company. Insulation of electrical apparatus. 1,827,571; Oct. 13.
Fierch, Robert W., Chicago, Ill. Concrete plant. 1,802,340; Apr. 28.
Fies, Herbert W. (See Mooers, L. P., and Fies.)
Fiessler, August, Berlin-Wilmersdorf, Germany. Pessary. 1,819,549; Aug. 18.
Fieux, Jean, assignor of one-half to Schneider & Cie., Paris, France. Device for bringing a moving body to rest. 1,806,992; May 26.
Fieux, Jean, assignor to Schneider & Cie., Paris, France. Compensated gyroscopic device for the determination of planes or directions of reference. 1,825,345; Sept. 29.
Fife, John P., et al. (See Laughlin, William C., assignor.)
Fife, William T., et al. (See Laughlin, William C., assignor.)
Fifield, Albert F., St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rail anchor. Re17,952; Feb. 3.
Fifield, Albert F., St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland Ohio. Rail anchor. 1,791,492; Feb. 10.
Fifield, Albert F., St. Catharines, Ontario, Canada. Vibration damping device. 1,830,600; Nov. 3.
Fifth Avenue Coach Company. (See Forrester, Michael J., assignor.)
Figg, George E., New York, N. Y. Necktie. 1,825,313; Sept. 29.
Figg, Herbert M., assignor to Cherry-Burrell Corporation, Cedar Rapids, Iowa. Churn. 1,794,680; Mar. 3.
Figge, Carroll C., Chicago, Ill. Roof and shingle securing means. 1,817,743; Aug. 4.
Figge, Carroll C., Chicago, Ill. Roof and shingle therefor. 1,820,015; Aug. 25.
Figge, Carroll C., Chicago, Ill. Apparatus for and making flashings. 1,831,556; Nov. 10.
Figgie, Harry E. (See Hicks, H. H., and Figgie.)
Figlear, John T., Buffalo, N. Y. Combined brake and pulley attachment for vehicles. 1,821,625; Sept. 1.
Fildes, Frederick K., Altoona, Pa. Trailer. 1,836,158; Dec. 15.
Fike, Charles H., assignor to The Electro-Motive Company, Cleveland, Ohio. Air-compressor drive means for gas-electric locomotives. 1,800,250; Apr. 14.
Filander, Arthur H., and G. T. Johnson, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck. 1,789,382; Jan. 20.
Filbert, Benjamin, Buffalo, N. Y. Apparatus for submarine boats. 1,790,414; Jan. 27.
Filbert, John A., Chicago, Ill. Combustion apparatus. 1,789,734; Jan. 20.
Filburn, Edward J., Terre Haute, Ind. Slider rail clamp. 1,809,747; June 9.
Fildes, Frederick K., Altoona, Pa. Safety-locking mechanism. 1,802,416; Apr. 28.
Fildes, Frederick K., Altoona, Pa. Sheet metal container. 1,802,417; Apr. 28.
Fildes, Frederick K., Altoona, Pa. Safety doorlock. 1,811,311; June 23.
Fildes, Frederick K., Altoona, Pa. Closure for containers. 1,811,312; June 23.
Fildes, Frederick K., Altoona, Pa. Container for the shipment of fractional car lots. 1,811,313; June 23.
Filer & Stowell Company, The. (See Pelton, George M., assignor.)
Filipiak, Joseph C., Chicago, Ill. Lamp. Des. 83,959; Apr. 21.
Filkins, William H., Centralia, Ill. Tire rim. 1,838,817; Dec. 29.
Fillingim, William A., Kountze, Tex. Seed planter. 1,823,392; Sept. 15.
Fillkwik Company. (See Shields, Andrew G., assignor.)
Fils, H. Mormentyn, Calais, France. Lace. Des. 84,710; July 21.
Filshill, James. (See Douglas, P. S., and Filshill.)
Filtrators Company. (See Sanftleben, Joseph E., assignor.)
Filtrators, Limited. (See Saks, Vadim V., assignor.)
Filtrol Company of California. (See Baylis, Walter S., assignor.)
Filtrol Company of California. (See Belden, Daniel S., assignor.)
Filtrol Company of California. (See Henderson, T. L., and Kelley, assignors.)
Finch, Emmett W., Chicago, Ill. Washing machine. 1,789,960; Jan. 27.
Finch, Herbert I., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Support for electric motor. 1,824,202; Sept. 22.
Finch, James L., Cranford, N. J., assignor to Radio Corporation of America. Neutralization of the natural capacitive coupling of adjacent circuits. 1,799,681; Apr. 7.
Finch, James L., New York, N. Y., assignor to Radio Corporation of America. System for parallel operation of alternators. 1,821,935; Sept. 8.
Finch, Raymond C., assignor to Postindex Company, Inc., Jamestown, N. Y. Paper file. 1,815,765; July 21.
Finch, William G. H., New York, N. Y. Relay for the selective reception of wireless impulses. 1,801,146; Apr. 14.
Finch, Willis E. (See Stimpson, W. F., and Finch.)
Fincher, Walter G., Kansas City, Md. Canopy. 1,827,427; Oct. 13.
Fincke, Michael, Aix-la-Chapelle, Germany, assignor, by mesne assignments, to The American Bicheroux Company. Feeding sheet glass to leer conveyers. 1,806,590; May 26.
Findlay, James T. (See Garver, Harold, assignor.)
Findley, Lester L., Los Angeles, Calif. Powder placing syringe. 1,824,808; Sept. 29.
Fine, Bernard M. (See Cox, J. L., and Fine.)
Fine Cotton Spinners & Doublers Association Limited, The. (See Bellhouse, William S., assignor.)
Finfrock, Asa D., Ventura, Calif. Line marker for athletic fields. 1,835,641; Dec. 8.
Fingado, Rudolf. (See Seidel, W., and Fingado.)
Fingal, Charles A., Chicago, Ill. Valve lock. 1,788,233; Jan. 6.
Fingland, John J., A. D. Turnbull, and P. F. McIntyre, Trail, British Columbia, assignors to The Consolidated Mining and Smelting Company of Canada Limited, Montreal, Quebec, Canada. Extracting or recovering metals from the slimes or residues of electrolytic lead refining operations. 1,801,339; Apr. 21.
Fingold, Henry, Pittsburgh, Pa. Statuette. Des. 83,960; Apr. 21.
Fink, Berl I., assignor of one-third to J. R. Wheeler and one-third to C. E. Fink, Hinton, W. Va. Automatic hand brake release. 1,819,952; Aug. 18.
Fink, Charles D., Findlay, Ohio. Hog feeder. 1,788,092; Jan. 6.
Fink, Colin G., Yonkers, N. Y., Manufacture of metal having high emissivity. 1,808,889; June 9.
Fink, Colin G., assignor to Chemical Treatment Company, Inc., New York, N. Y. Producing chromium plated articles with mirrorlike, scratch finish, or the like surfaces. 1,802,463; Apr. 28.
Fink, Colin G., New York, N. Y., and C. H. Edridge, Metuchen, N. J. Electroplating apparatus. 1,838,666; Dec. 29.
Fink, Colin G., New York, N. Y., and C. H. Eldridge, Metuchen, N. J., assignors, by mesne assignments, to United Chromium, Incorporated, New York, N. Y. Producing protective metal coatings. 1,813,842; July 7.
Fink, Colin G., and L. G. Jenness, assignors to Intermetal Corporation, New York, N. Y. Production of oxy compounds of tantalum and columbium from the ores. 1,802,242; Apr. 21.
Fink, Colin G., and W. G. King, jr., New York, N. Y., assignors to The American Thermos Bottle Company, Norwich, Conn. Manufacture of double-walled receptacles. 1,816,476; July 28.
Fink, Colin G., and L. C. Pan, assignors to Chemical Treatment Company, Inc., New York, N. Y. Metallic coating and producing the same. 1,792,082; Feb. 10.
Fink, Gail J. (See Kern, H. A., and Fink.)
Fink, Harry L., New York, N. Y. Terrazzo strip. 1,791,267; Feb. 3.
Fink, Jacob, deceased; R. J. Fink, administratrix, St. Paul, Minn. Constructing leg covering garments. 1,810,517; June 16.
Fink, Rose J., administratrix. (See Fink, Jacob.)
Fink, William L. (See Archer, R. S., and Fink.)
Finkbeiner, Adolf, Woodmont, Conn. Detachable curtain fixture. 1,829,510; Oct. 27.
Finkbeiner, Daniel T., Beaver, Pa. Constructing culverts. 1,809,513; June 9.
Finkbone, Benjamin P., assignor to The American Rolling Mill Company, Middletown, Ohio. Metal-coating apparatus. 1,789,172; Jan. 13.
Finke, Herman A., St. Louis, Mo. Internal combustion engine. 1,807,087; May 26.
Finkel, Morris, Drifton, Pa. Film change over signalling bell. 1,803,241; Apr. 28.
Finkel, Scott, Woodside, N. Y. Powder puff. 1,823,797; Sept. 15.
Finkelstein, Hans, Uerdingen, Niederrhein, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cellulose nitrate lacquer. 1,801,340; Apr. 21.
Finkelstein, Hans, Uerdingen Niederrhein, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Lacquer for application by brushing. 1,801,341; Apr. 21.
Finkelstein, Hans, Uerdingen Niederrhein, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cellulose ester lacquer. 1,812,145; June 30.
Finkelstein, Hans, Uerdingen, Niederrhein, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Lacquer for application by brushing. 1,818,547; Aug. 11.
Finkelstein, Leo. (See Sebastian, R. L., and Finkelstein.)

Finkelstein, William, Philadelphia, Pa. Traveling bag, suitcase, hand bag, or the like. 1,802,912; Apr. 28.
Finkenbinder, Charles E., Los Angeles, Calif. Locking apparatus for doors. 1,819,410; Aug. 18.
Finkhousen, Frank W. (See Fries, G. W., Finkhousen, and Johnson.)
Finks, William T. (See Lake, J. W., and Finks.)
Finlay, Edgar G., San Francisco, Calif., assignor, by mesne assignments, to Aerial Advertising Company, Inc. Aerial advertising apparatus. 1,800,681; Apr. 14.
Finlay, Robert H. F., Belfast, Ireland. Trousers press. 1,816,724; July 28.
Finlay, Toll N. M., Detroit, Mich. Article suspension device. 1,814,303; July 14.
Finlayson, Frank M., Worcester, Mass. Cable clamp 1,828,801; Oct. 27.
Finlayson, Thomas C. (See Smith, E. W., and Finlayson.)
Finley, Alden E., Kittery, Me., assignor to Electric Boat Company, Groton, Conn. Safety device. 1,789,622; Jan. 20.
Finley, Charles A., Rutherford, N. J., assignor to Boorum & Pease Company, Brooklyn, N. Y. Visible loose leaf device. 1,806,529; May 19.
Finley, Charles A., Rutherford, N. J., assignor to Boorum & Pease Company, New York, N. Y. Loose leaf ledger binder. 1,828,600; Oct. 20.
Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Shingle. Des. 85,638; Dec. 1.
Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Shingle roof. Des. 85,639; Dec. 1.
Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Constructional material and making the same. 1,802,008; Apr. 21.
Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Floor covering. 1,802,009; Apr. 21.
Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Preserving underground piping. 1,807,903; June 2.
Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Covering for staved pipes. 1,807,904; June 2.
Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Self hardening bituminous cement and making the same. 1,813,992; July 14.
Finley, James M. (See O'Connor, Maurice, assignor.)
Finley, Lorenzo W., Phoenix, Ariz. Machine for processing and washing eggs. 1,814,374; July 14.
Finley, Percy C., Los Angeles, Calif. Traffic button. 1,797,498; Mar. 24.
Finley, Thomas M., St. Louis, Mo. Propeller push rod or tube and slide transmission. 1,800,614; Apr. 14.
Finley, Thomas M., St. Louis, Mo. Slide transmission for internal combustion engines. 1,803,795; May 5.
Finley, Sam E., Atlanta, Ga. Making road surfaces. 1,823,682; Sept. 15.
Finn, Anna M., administratrix. (See Finn, Hugh J.)
Finn, Charles A., assignor to Belle City Malleable Iron Company, Racine, Wis. Annealing pot. 1,816,930; Aug. 4.
Finn, Charles A., assignor to Belle City Malleable Iron Company, Racine, Wis. Annealing pot. 1,832,197; Nov. 17.
Finn, Edward M., Hoisington, Kans. Safety razor. 1,824,338; Sept. 22.
Finn, Henry M., Hyannis, Mass. Lead-in device. 1,791,666; Feb. 10.
Finn, Hugh J., deceased, Brooklyn, N. Y.; A. M. Finn, administratrix. Submergible apparatus. 1,803,526; May 5.
Finn, Jay, Elmo, Kans. Windshield wiper. 1,788,711; Jan. 13.
Finn, John, jr., assignor to B. C. Mickle, San Francisco, Calif. Coating, veneering, or glazing candles with a permanent color. 1,825,785; Oct. 6.
Finn, Robert R. (See Bysshe, E. T., and Finn.)
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Gaiter-trimming machine. 1,795,485; Mar. 10.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for and method of heel-seat fitting. 1,805,039; May 12.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,807,835; June 2.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Positioning apparatus. 1,808,810; June 9.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Conveying system. 1,826,759; Oct. 13.
Finn, Thomas J. (See Lees, O. O., and Finn.)
Finnegan, Wilfred A., Bangor, Me. Knockdown box. 1,803,385; May 5.
Finnell System, Inc. (See Finnell, Walter S., assignor.)
Finnell, Walter S., Elkhart, Ind. Rubber tired wheel. 1,814,623; July 14.
Finnell, Walter S., assignor to Finnell System, Inc., Hannibal, Mo. Mop wringer. 1,787,441; Jan. 6.
Finnell, Walter S., assignor to Finnell System, Inc., Hannibal, Mo. Powder distributor. 1,806,936; May 26.
Finnell, Walter S., assignor to Finnell System, Inc., Hannibal, Mo. Floor treating machine. 1,829,132; Oct. 27.
Finney, Alfred C., Upper Darby, Pa., assignor to General Electric Company. Control system. 1,813,796; July 7.
Finney, Alfred C., Schenectady, N. Y., assignor to General Electric Company. Indicating system. 1,817,744; Aug. 4.
Finney, Alfred C., Upper Darby, Pa., assignor to General Electric Company. Signaling system. 1,833,866; Nov. 24.
Finney, Charles E., et al. (See Stafford, John E., assignor.)
Finney, Clarence E., Huntington, Ind. Earthworking implement. 1,814,469; July 14.
Finney, James M., et al. (See Schroeder, Anthony, assignor.)
Finnila, Axel. (See Nygard, R., Finnila, and Lindell.)
Finocchiaro, Mariona, Bellevue, Del. Hedge trimmer. 1,833,246; Nov. 24.
Finsen, Eyvind, assignor to Gleason Works, Rochester, N. Y. Chuck. 1,808,346; June 2.
Finsen, Eyvind, assignor to Gleason Works, Rochester, N. Y. Chuck. 1,808,347; June 2.
Finsen, Eyvind, assignor to Gleason Works, Rochester, N. Y. Gear generating machine. 1,825,112; Sept. 29.
Finton, Charles H., Elgin, Ill. Toothbrush attachment. 1,830,754; Nov. 10.
Finucane, Daniel J., Brooklyn, N. Y. Leader-pipe strap. 1,787,442; Jan. 6.
Finzer, Charles S. (See Finzer, Edward G. and C. S.)
Finzer, Edward G. and C. S., Sugar Creek, Ohio. Clay texturing machine. 1,815,469; July 21.
Fiorelli, Ferdinando, assignor to the firm "Terni" Societa per L'Industria e L'Electtricita, Terni, Italy. Siemens-Martin furnace. 1,838,541; Dec. 29.
Fioruzzi, Vittorio, Piacenza, Italy. Apparatus for breeding silkworms. 1,816,368; July 28.
Fire Bar Corporation. (See Thompson, James S., assignor.)
Fireman, Peter, Trenton, N. J., assignor to Magnetic Pigment Company, New York, N. Y. Electrolysis. 1,788,512; Jan. 13.
Fireproof Building Corporation. (See Sawyer, Frank M., assignor.)
Fireproof Wall Co. (See Makowski, John F., assignor.)
Fireproof Wall Company. (See Thurman, William B., assignor.)
Fireproof Wall Company. (See Thurman, W. B., and Hild, assignors.)
Firestone Footwear Company. (See Bain, Alexander C., assignor.)
Firestone Footwear Company. (See Brown, Perley H., assignor.)
Firestone Footwear Company. (See Peterson, Gunnard P., assignor.)
Firestone Footwear Company. (See Stevens, William C., assignor.)
Firestone Steel Products Company, The. (See Broecker, Lewis C., assignor.)
Firestone Steel Products Company. (See Hanson, W. I. and Stelzer, assignors.)
Firestone Steel Products Company, The. (See Swain, Joseph G., assignor.)
Firestone Tire and Rubber Company, The. (See Brown, Roy W., assignor.)
Firestone Tire & Rubber Company, The. (See Handley, Ernest T., assignor.)
Firestone Tire and Rubber Company, The. (See Jones, Robert R., assignor.)
Firestone Tire & Rubber Company, The. (See Martin, John I., assignor.)
Firestone Tire and Rubber Company, The. (See Nichols, George B., assignor.)
Firestone Tire and Rubber Company, The. (See Pade, Max H., assignor.)
Firestone Tire and Rubber Company, The. (See Putt, Edward D., assignor.)
Firestone Tire and Rubber Company, The. (See Sords, Otto E., assignor.)
Firestone Tire and Rubber Company, The. (See Steens, Horace D., assignor.)
Firestone Tire and Rubber Company, The. (See Stevens, Horace D., assignor.)
Firestone Tire and Rubber Company, The. (See Stevens, William C., assignor.)
Firestone Tire & Rubber Company, The. (See Uschmann, Curt, assignor.)
Firestone, Vance S., and D. Sward, assignors to Arcade Manufacturing Company, Freeport, Ill. Latch 1,796,923; Mar. 17.
Firguson, Roy H., Long Beach, Calif. Collapsible construction for awnings, and including parts adapted for construction of garage doors and other closures. 1,796,564; Mar. 17.
Firman, William W., Detroit, Mich. Potato harvester. 1,808,133; June 2.
Firor, Frank. (See Punzmann, Rulolf, assignor.)
First and American National Bank of Duluth, executor. (See Sheldon, Samuel B.)
First National Bank of Chattanooga, The. (See Leventhal, Jacob F., assignor.)
First National Bank and Trust Company of New Haven, Conn., executor. (See Barnes, Bayard.)

First Trust & Savings Bank of Pasadena, trustee. (See Key, James F., assignor.)
First Wisconsin Trust Company of Milwaukee, executor. (See Miller, Henry C.)
Firth, David, assignor to Marvel Carbureter Company, Flint, Mich. Heat control apparatus. 1,819,284; Aug. 18.
Firth, David, assignor to Marvel Carbureter Company, Flint, Mich. Thermostatic heat control. 1,825,225; Sept. 29.
Firth, Fred C., Upper Batley, S. Jessop, sr., Batley, and C. T. Tattersfield, Dewsbury, England. Shaper mechanism for winding yarn on weft bobbins in spinning mules. 1,804,866; May 12.
Firth, Lewis G., Pittsburgh, assignor to Firth-Sterling Steel Company, McKeesport, Pa. Making nonporous articles. 1,792,581; Feb. 17.
Firth, Lewis G., Pittsburgh, assignor to Firth-Sterling Steel Company, McKeesport, Pa. Mold. 1,819,365; Aug. 18.
Firth, Lewis G., Pittsburgh, and E. B. Welch, assignors to Firth-Sterling Steel Company, McKeesport, Pa. Hot top. 1,819,364; Aug. 18.
Firth, Lewis G., Pittsburgh, and P. F. Longnecker, assignors to Firth-Sterling Steel Company, McKeesport, Pa. Shaping metallic bodies. 1,836,311; Dec. 15.
Firth, Richard H., assignor to United Cigar Stores Company of America, New York, N. Y. Gas burner. 1,820,016; Aug. 25.
Firth-Sterling Steel Company. (See Comstock, Gregory J., assignor.)
Firth-Sterling Steel Company. (See Comstock, G. J., and Welch, assignors.)
Firth-Sterling Steel Company. (See Firth, Lewis G., assignor.)
Firth-Sterling Steel Company. (See Firth, L. G., and Longnecker, assignors.)
Firth-Sterling Steel Company. (See Firth, L. G., and Welch, assignors.)
Firth-Sterling Steel Company. (See Longnecker, Paul F., assignor.)
Firth-Sterling Steel Company. (See Schultz, W. J., and Stevick, assignors.)
Firth-Sterling Steel Company. (See Welch, Elmer B., assignor.)
Fisch, Jacob, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Apparatus for treating fabrics. 1,828,893; Oct. 27.
Fisch, James H. (See Babst, J. C., Fisch, and Bauer.)
Fischer, Adalbert K., assignor to Schutte and Koerting Company, Philadelphia, Pa. Valve structure. 1,802,971; Apr. 28.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 1,789,284; Jan. 13.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 1,789,285; Jan. 13.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 1,789,286; Jan. 13.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 1,789,287; Jan. 13.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Construction material. 1,793,439; Feb. 17.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Composition shingle. 1,795,277; Mar. 3.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Asphalt expansion joint. 1,800,193; Apr. 7.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Construction material. 1,800,194; Apr. 7.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Expansion joint material. 1,803,178; Apr. 28.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Rail filler. 1,803,179; Apr. 28.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Expansion joint installing device. 1,804,215; May 5.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Weatherproofing material. 1,807,836; June 2.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Waterproof expansion joint. 1,807,905; June 2.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material comprising rail filler functioning as an expansion joint. 1,808,302; June 2.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Making compressible and elastic material. 1,809,800; June 9.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Packing material. 1,809,801; June 9.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Roofing and weatherproofing material. 1,810,880; June 16.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Installing device for paving joints. 1,814,138; July 14.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Constructional material. 1,814,139; July 14.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturng Company. Constructional material. 1,820,217; Aug. 25.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Packaging sealing means for constructional material. 1,821,885; Sept. 1.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Roofing element. 1,824,471; Sept. 22.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Roofing element. 1,824,472; Sept. 22.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Oakum packing. 1,834,912; Dec. 1.
Fischer, Albert C., Chicago, Ill., assignor, by mesne assignments, to The Philip Carey Manufacturing Company. Expansion joint with unsaturated filler. 1,838,036; Dec. 22.
Fischer, Albert C., Chicago, Ill., assignor to The Philip Carey Manufacturing Company. Producing constructional material. 1,839,181; Dec. 29.
Fischer, Albert C., B. A. Stewart, and H. W. Herbst, Chicago, Ill., assignor, by mesne assignments, to The Philip Carey Manufacturing Company. Cutting equipment for plastic sheet material. 1,827,193; Oct. 13.
Fischer, Allan W., St. Petersburg, Fla. Storage battery terminal connecter. 1,808,648; June 2.
Fischer, Arthur A., Bensenville, Ill. Combination rule and compass. 1,825,266; Sept. 29.
Fischer, Bernard, St. Charles, Mo. Foot control for seed planters. 1,806,050; May 19.
Fischer, Charles, New York, N. Y. Duplex flexible supporting arm. 1,790,500; Jan. 27.
Fischer, Charles E., Denver, Colo. Dry placer machine. 1,795,017; Mar. 3.
Fischer, Charles H., and F. H., Cincinnati, Ohio. Automatic forming machine. 1,793,279; Feb. 17.
Fischer, Charles R., Rogers City, Mich. Electric apparatus for shovels and the like. 1,829,955; Nov. 3.
Fischer, Charles W., assignor to T. A. Kochs Company, Chicago, Ill. Adjustable support for headrests. 1,810,651; June 16.
Fischer, Erich. (See Eichwede, Heinz, and Fischer.)
Fischer, Erich. (See Wagner, H., Eichwede, and Fischer.)
Fischer, Erik W., Stockholm, and E. W. J. Virgin, Djursholm, Sweden. Producing amalgams to be used in dentistry. 1,803,386; May 5.
Fischer, Ernest, New York, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Razor handle. Des. 83,193; Feb. 3.
Fischer, Ernst. (See Schirmacher, K., and Fischer.)
Fischer, Ernst, Berlin-Lichterfelde, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Magnetic structure. 1,832,290; Nov. 17.
Fischer, Ernst, Berlin-Tempelhof, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Submarine cable. 1,834,124; Dec. 1.
Fischer, Ernst, Hermsdorf, Germany, assignor to General Electric Company. Rotor for dynamo electric machines. 1,834,774; Dec. 1.
Fischer, Ernst E., Rockledge, Pa. Thread moistening guide. 1,810,007; June 16.
Fischer, Eugen. (See Legeler, E., and Fischer.)
Fischer, Ferdinand, Berlin, Germany. Offset printing machine. 1,811,784; June 23.
Fischer, Frank, Larchmont, and G. Sivertsen, Brooklyn, assignors to Grant Oil Burner Corporation of Delaware, New York, N. Y. Gear pump for oil burners. 1,790,371; Jan. 27.
Fischer, Frank, Larchmont, and G. Silvertsen, Brooklyn, assignors to Grant Oil Burner Corporation of Delaware, New York, N. Y. Pump for oil burners. 1,796,195; Mar. 10.
Fischer, Franz J., assignor to the firm Koch & Sterzel Aktiengesellschaft, Dresden, Germany. Transformer. 1,790,746; Feb. 3.
Fischer, Franz J., assignor to Koch & Sterzel, Aktiengesellschaft, Dresden, Germany. Current transformer having field-equalizing conducting coatings. 1,790,981; Feb. 3.
Fischer, Franz J., assignor to the Firm Kock & Sterzel Aktiengesellschaft, Dresden, Germany. Apparatus for regulating transformer voltages. 1,793,074; Feb. 17.
Fischer, Franz J., assignor to the firm Koch & Sterzel Aktiengesellschaft, Dresden, Germany. Rectifier. 1,818,701; Aug. 11.
Fischer, Franz J., assignor to the firm Koch & Sterzel Aktiengesellschaft, Dresden, Germany. Switch. 1,829,893; Nov. 3.
Fischer, Frederick C., Newark, N. J. Device for removing carbon monoxide from exhaust gases. 1,824,078; Sept. 22.
Fischer, Frederick H. (See Fischer, Charles H. and F. H.)
Fischer, Fritz, assignor to Gesellschaft fur Drahtlose Telegraphie m. b. H., Hallesches, Berlin, Germany. Arrangement for the reception of electric oscillations. 1,833,323; Nov. 24.

Fischer, Georg. (See Bronn, J. I., and Fischer.)
Fischer, George, et al. (See Kugler, Heinrich, assignor.)
Fischer, H. G., & Co. (See Chapman, W. B., and Fischer, assignors.)
Fischer, H. G., & Co. Inc. (See Richardson, Donald E., assignor.)
Fischer, Hans, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Plural color printing machine. 1,807,656; June 2.
Fischer, Hellmut, Berlin-Friedenau, Germany, assignor, by mesne assignments, to Metal & Thermit Corporation, New York, N. Y. Covering metals or alloys with layers of metallic beryllium. 1,801,808; Apr. 1.
Fischer, Hellmut, Berlin-Friedenau, Germany, assignor by mesne assignments, to Metal & Thermit Corporation, New York, N. Y. Manufacture of metallic beryllium or its alloys. 1,809,442; June 9.
Fischer, Hellmut, Berlin-Friedenau, Germany, assignor, by mesne assignments, to Metal & Thermit Corporation, New York, N. Y. Production of industrially valuable beryllium salts from beryllium bearing minerals. 1,815,056; July 21.
Fischer, Hellmut, Berlin-Friedenau, Germany, assignor, by mesne assignments, to Metal & Thermit Corporation, New York, N. Y. Obtaining beryllium compounds from beryllium bearing minerals. 1,820,655; Aug. 25.
Fischer, Hellmut, Berlin-Siemensstadt, Germany, assignor, by mesne assignments, to Metal & Thermit Corporation, New York, N. Y. Production of beryllium alloys, in particular those with a high beryllium content by fused electrolysis. 1,813,919; July 14.
Fischer, Herbert G. M., Westfield, N. J., assignor to Standard Oil Development Company. Converting residues obtained on sweetening petroleum distillates. 1,795,278; Mar. 3.
Fischer, Herbert G. M., Westfield, and W. J. Addems, Elizabeth, N. J., assignors to Standard Oil Development Company. Treating sulphur-containing oils. 1,789,335; Jan. 20.
Fischer, Herman, New York, N. Y. String musical instruments. 1,808,103; June 2.
Fischer, Hermann, Berlin-Neukolln, assignor, by mesne assignments, to P. Reinhardt, Berlin, Germany. Sparking plug. 1,834,608; Dec. 1.
Fischer, Hermann C., Vienna, Austria, assignor to the firm: Union-Special-Maschinenfabrik Gesellschaft mit beschrankter Haftung, Stuttgart, Germany. Cutting mechanism for sewing machines. 1,794,282; Feb. 24.
Fischer, Herman G. (See Chapman, W. B., and Fischer.)
Fischer, Hermann O., Chicago, Ill. Box and making it. 1,799,788; Apr. 7.
Fischer-Hinnen, Jacques, deceased, Oerlikon, by Landis & Gyr, A.-G., assignee, Zug, Switzerland. Electrical ignition device. Re18,136; July 28.
Fischer, Howard L., et al. (See Prawalsky, Frederick P., assignor.)
Fischer, Howard L., St. Paul, Minn. Pencil. 1,828,527; Oct. 20.
Fischer, Howard L., assignor to Brown & Bigelow, St. Paul, Minn. Lead pusher for mechanical pencils. 1,820,130; Aug. 25.
Fischer, Howard L., assignor to Brown & Bigelow, St. Paul, Minn. Pocket lighter. 1,820,131; Aug. 25.
Fischer, Howard L., assignor to Brown & Bigelow, St. Paul, Minn. Supporting means for calendars. 1,835,033; Dec. 8.
Fischer, Johann, Berlin-Charlottenburg, assignor to the Firm Ade Fabrik Automatischer Schnellwaagen G. m. b. H., Berlin-Reinickendorf, Germany. Automatic inclination balance. 1,808,457; June 2.
Fischer, Johannes, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Coating with lead peroxide. 1,795,941; Mar. 10.
Fischer, Kurt. (See Wietzel, R., and Fischer.)
Fischer, Max M., Brooklyn, N. Y. Radiator screen bracket. 1,813,533; July 7.
Fischer, Oscar A. (See Phelan, R. E., Lowe, Clampitt, Koenig, and Fischer.)
Fischer, Oskar, Berlin, Germany. Copyholder for typewriters. 1,8100,118; June 23.
Fischer, Otto. (See Goldberg, E., and Fischer.)
Fischer, Paul E., Milwaukee, Wis. Carton and carton opener. 1,816,835; Aug. 4.
Fischer, Philip A., New York, N. Y., H. Schoen, Newark, N. J., A. M. Goldstein, Far Rockaway, and J. M. Goldstein, New York, N. Y. Drinking cup. 1,790,415; Jan. 27.
Fischer, Sigmund, Providence, R. I. Strap ends and strap-end clips. 1,797,056; Mar. 17.
Fischer, Sigmund, Providence, R. I. Chain connecter. 1,829,857; Nov. 3.
Fischer, Wilhelm, Akron, Ohio. Air-cooled engine for aircraft. 1,838,054; Dec. 22.
Fischer, William B. (See Wazlavek, Carl, assignor.)
Fischman, I., & Sons. (See Austin, Harry M., assignor.)
Fischman, I., & Sons. (See Selig, Milton, assignor.)
Fischman, I., & Sons. (See Selig, M., and Greenberg, assignors.)
Fisenne, Charles E. (See Harrington, George E., jr., assignor.)
Fish, Andrew, J. (See Farrar, Clarence A., assignor.)
Fish, Edwin L., San Francisco, Calif. Amusement device. 1,791,493; Feb. 10.
Fish, Isaac, Cleveland, Ohio. Comb. 1,788,457; Jan. 13.
Fish, John R., West Springfield, assignor to E. S. Searle, Springfield, Mass. Holder for steel wool. 1,822,395; Sept. 8.
Fish, Mortimer W. (See Smith, H. R., and Fish.)
Fish, Percy C., Kalamazoo, Mich. Silo. 1,798,410; Mar. 31.
Fishback, Robert W., Los Angeles, Calif., assignor to Hughes Tool Company, Houston, Tex. Brake take-up. 1,800,380; Apr. 14.
Fishburn, Ezra, Overbrook, Kans. Stock watering tank. 1,837,611; Dec. 22.
Fishburn, Otto E., Muncie, Ind. Dental clutch and transmission. 1,800,989; Apr. 14.
Fishel, Jesse C., Brooklyn, N. Y. Cigar and cigarette lighter. 1,788,093; Jan. 6.
Fishel, Walter H. (See White, H. E., and Fishel.)
Fisher, Albert H., East Cleveland, Ohio, assignor of one-half to D. M. Stafford. Window construction. 1,796,837; Mar. 17.
Fisher, Albert H., East Cleveland, Ohio, assignor to H. G. Wedler and J. F. Shuford. Combination repair apparatus. 1,813,918; July 14.
Fisher, Alfred, Roselle, N. J., assignor to W. G. Atwood, trustee, New York, N. Y. Emulsion suitable for wood preservation and process of wood preservation and product thereof. 1,824,428; Sept. 22.
Fisher, Alfred, Roselle, N. J., assignor to W. G. Atwood, trustee, New York, N. Y. Emulsion suitable for wood preservation and process of wood preservation and product thereof. 1,836,530; Dec. 15.
Fisher, Arthur W., Forest Hills, Pa. Highway-crossing signal. Des. 83,037; Jan. 13.
Fisher, Arthur W., Forest Hills, Pa. Highway-crossing signal. Des. 83,098; Jan. 20.
Fisher, Arthur W., Forest Hills Borough, and W. B. Wells, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 1,806,051; May 19.
Fisher Automatic Brush Machine Company, The. (See Fisher, Charles E., assignor.)
Fisher, Charles, Yonkers, N. Y., assignor to The Automatic Recording Safe Company, Chicago, Ill. Savings bank. 1,827,388; Oct. 13.
Fisher, Charles E., assignor to The Fisher Automatic Brush Machine Company, Inc., Baltimore, Md. Wire carrier for brush-making machines. 1,791,091; Feb. 3.
Fisher, Charles F., Veterans' Home, Calif. Window cleaner. 1,804,867; May 12.
Fisher, Charles W. (See Burton, Charles H., assignor.)
Fisher, David, assignor to Paden City Glass Manufacturing Company, Paden City, W. Va. Tumbler. Des. 84,633; July 14.
Fisher, David W. (See London, J. S., and McCarty, assignors.)
Fisher, Dudley T., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal mining machine. 1,814,439; July 14.
Fisher, Elbert E., St. Louis, Mo., assignor to The Vitrolite Company. Making reenforced bodies having projecting anchoring elements. 1,831,237; Nov. 10.
Fisher, Emmett E., Indianapolis, Ind. Apparatus for controlling velocity of wheeled vehicles. 1,806,993; May 26.
Fisher, Emmett E., Indianapolis, Ind. Track brake. 1,806,994; May 26.
Fisher, Ernest F., assignor to Alpha Tank and Sheet Metal Mfg. Co., St. Louis, Mo. Filler pipe. 1,824,538; Sept. 22.
Fisher, Ernest S., assignor to Utah Metals Flux Company, Salt Lake City, Utah. Improving metals, and product thereof. 1,828,701; Oct. 20.
Fisher, Frederick E., Sudbrook Park, Md., assignor to General Electric Company. Electric switch. 1,832,695; Nov. 17.
Fisher, Garfield W. (See Jones, L. S., Fisher, Henrikson, and Butler.)
Fisher, George F., Quincy, Mass., assignor to Morgan & Wright, Detroit, Mich. Hollow cushion tire. 1,817,356; Aug. 4.
Fisher, George P., and W. M. Balfour, Corner Brook, Newfoundland. Barge for pulp wood and the like. 1,801,548; Apr. 21.
Fisher, Gerhard R., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Light indicating system and method. 1,821,698; Sept. 1.
Fisher, Gerhard R., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio antenna system. 1,834,274; Dec. 1.
Fisher Governor Company, The. (See Browne, Lyle W., assignor.)
Fisher, H. F., et al, trustees. (See Donovan, Bernard S., assignor.)
Fisher, Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Inverting the phase of emulsions. 1,838,379; Dec. 29.
Fisher, Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrator. 1,838,921; Dec. 29.
Fisher, Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrating petroleum emulsions. 1,838,922; Dec. 29.
Fisher, Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrator having hygroscopic emulsion inlet. 1,838,923; Dec. 29.

Fisher, Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrator with high field intensity grounded electrode. 1,838,924; Dec. 29.
Fisher, Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrator having means for providing internal dry oil circulation. 1,838,925; Dec. 29.
Fisher Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Electrical treater. 1,838,926; Dec. 29.
Fisher, Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Stepped cone-type treater. 1,838,927; Dec. 29.
Fisher, Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrator with means for directing emulsion through a high intensity field. 1,838,928; Dec. 29.
Fisher, Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Elongated high velocity type treater. 1,838,929; Dec. 29.
Fisher, Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Apparatus for converting commercial frequency circuits into high frequency circuits. 1,838,931; Dec. 29.
Fisher, Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Electrical treater having elongated circulation path and edge effect. 1,838,932; Dec. 29.
Fisher, Harmon F., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Electrical treater having elongated oil circulating path. 1,838,934; Dec. 29.
Fisher, Harmon F., Long Beach, S. G. Gassaway, Los Angeles, and W. F. Van Loener, Buena Park, assignors to Petroleum Rectifying Company of California, Los Angeles, Calif. Electric treater having variable rate of flow with constant conditions in working field. 1,838,930; Dec. 29.
Fisher, Harmon F., and W. Woelflin, Long Beach, assignors to Petroleum Rectifying Company of California, Los Angeles, Calif. Electrical treater having dry oil barrier supply. 1,838,933; Dec. 29.
Fisher, Harold J. (See Chestnut, R. W., Fisher, and Sanial.)
Fisher, Harry C. (See Yungblut, G., and Fisher.)
Fisher, Harry G. (See Warner, C., and Fisher.)
Fisher, Harry H., Green Bay, Wis. Apparatus for driving tunnels. 1,789,735; Jan. 20.
Fisher, Harry P., San Francisco, Calif. Window ventilator. 1,814,590; July 14.
Fisher, Herman G. (See Schelle, H. M., Fisher, Bareham, and Savage.)
Fisher, J. M., Company. (See Chilson, Lewis, S., assignor.)
Fisher, James B., Waukesha, Wis. Humidifier. 1,817,357; Aug. 4.
Fisher, James B., and J. E. De Long, assignors to Waukesha Motor Company, Waukesha, Wis. Transmission and reverse gear. 1,805,137; May 12.
Fisher, James P., Bartlesville, Okla., assignor to Doherty Research Company, New York, N. Y. Boiler governor. 1,803,324; May 5.
Fisher, James P., and G. F. Downs, Bartlesville, Okla., assignors to Empire Oil & Refining Company, Dover, Del. Apparatus for cleaning gas. 1,824,713; Sept. 22.
Fisher, John E., assignor to American Electric Company, Inc., Chicago, Ill. Production-control system. 1,794,007; Feb. 24.
Fisher, John F., Fayetteville, N. C. Foot and ankle brace. 1,792,155; Feb. 10.
Fisher, John U., Cleveland, Ohio. Shaving device. 1,824,203; Sept. 22.
Fisher, Lewis J., Reedsburg, Wis. Oil burner. 1,821,752; Sept. 1.
Fisher, Martin M., Seattle, assignor, by mesne assignments, to Hassett Brake Company, Yakima, Wash. Hydraulic brake. 1,821,178; Sept. 1.
Fisher, Melvin E., Lexington, Nebr. Chicken waterer. 1,835,939; Dec. 8.
Fisher, R. Fenton. (See White, Ernest C., assignor.)
Fisher, Raymond B., assignor to The Buda Company, Harvey, Ill. Vehicle construction. 1,833,211; Nov. 24.
Fisher, Roy, Los Angeles, Calif. Mail carrying aeroplane. 1,815,466; July 21.
Fisher, Roy, Montebello, Calif. Aerial delivery device. 1,828,928; Oct. 27.
Fisher, Samuel, Brooklyn, assignor to Artcraft Silversmiths Company, New York, N. Y. Dish or analogous article. Des. 83,961; Apr. 21.
Fisher, Thomas, assignor of one-third to J. H. Bennett, Carl Junction, Mo. Safety device for mine buckets. 1,829,587; Oct. 27.
Fisher, Thomas C. (See Renfrew, P. B., and Fisher.)
Fisher, W. Reuen, Detroit, Mich. Lathe center. 1,788,621; Jan. 13.
Fisher, Wager, Bryn Mawr, Pa. Making molding sand. 1,808,161; June 2.
Fisher, Walter L. (See Whatmough, W. A., and Fisher.)
Fisher, Walter S., assignor to The Willys Overland Company, Toledo, Ohio. Connecting-rod construction. 1,792,972; Feb. 17.
Fisher, Walter S., assignor to The Willys-Overland Company, Toledo, Ohio. Engine-cooling system. 1,799,095; Mar. 31.
Fisher, Walter S., assignor to The Willys-Overland Company, Toledo, Ohio. Fixture for expanding pistons. 1,803,010; Apr. 28.
Fisher, Walter S., assignor to The Willys-Overland Company, Toledo, Ohio. Cap for sealing containers. 1,826,000; Oct. 6.
Fisher, Wilbur E., Evansville, Ind. Fishing line alarm. 1,815,402; July 21.
Fisher, William C., assignor to The Russell Manufacturing Company, Middletown, Conn. Narrow inelastic laminated fabric. 1,802,243; Apr. 21.
Fisher, William C., assignor to The Russell Manufacturing Company, Middletown, Conn. Endless elastic band. 1,822,135; Sept. 8.
Fisher, William G., Redlands, Calif. Combined die and wheel remover. 1,820,870; Aug. 25.
Fisk, Athelbert A. (See Hills, Wallie and F. W., assignors.)
Fisk, Ernest T., Sydney, New South Wales, Australia. Sound suppressing ventilator fitment for wall apertures. 1,816,769; July 28.
Fisk, Ernest T., Sydney, New South Wales, Australia. Sound suppressing ventilator fitting for windows. 1,823,798; Sept. 15.
Fisk, Ernest T., Sydney, New South Wales, Australia. Pivotal sash window. 1,825,587; Sept. 29.
Fisk, George D. (See Combs, A. E., and Fisk.)
Fisk, George R. (See Hobart, C. J., and Fisk.)
Fisk, Ira T., assignor to Stevens & Thompson Paper Company, North Hoosick, N. Y. Imprint device. 1,808,536; June 2.
Fisk Rubber Company, The. (See Cain, Charles B., assignor.)
Fisk Rubber Company. (See Cartier, Charles W., assignor.)
Fisk Rubber Company, The. (See Castricum, M., and Butterfield, assignors.)
Fisk Rubber Company, The. (See Desautels, Charles H., assignor.)
Fisk Rubber Company, The. (See Dexter, Albert J., assignor.)
Fisk Rubber Company, The. (See Eakins, Lawrence H., assignor.)
Fisk Rubber Company, The. (See Gates, William R., assignor.)
Fisk Rubber Company, The. (See Harvey, Robert P., assignor.)
Fisk Rubber Company, The. (See Lehman, Paul W., assignor.)
Fisk Rubber Company, The. (See Lewis, George H., assignor.)
Fisk Rubber Company, The. (See Marquette, Melvon A., assignor.)
Fisk Rubber Company, The. (See Maynard, Charles E., assignor.)
Fisk Rubber Company, The. (See Mead, George J., assignor.)
Fisk Rubber Company, The. (See Midgley, Thomas, assignor.)
Fisk Rubber Company, The. (See Pomplum, E., and Jennerjahn, assignors.)
Fisk Rubber Company, The. (See Snyder, Frank J., assignor.)
Fisk Rubber Company, The. (See Sullivan, Michael F., assignor.)
Fisk Rubber Company, The. (See Warner, Harold E., assignor.)
Fisk Rubber Company, The. (See Wikle, George F., assignor.)
Fisk, Sylvanus W., Los Angeles, Calif. Dishwashing machine. 1,806,751; May 26.
Fiske, Augustus H., assignor to Rumford Chemical Works, Providence, R. I. Baking powder. 1,811,263; June 23.
Fiske, Augustus H., assignor to Rumford Chemical Works, Providence, R. I. Prepared flour. 1,811,264; June 23.
Fiske, Bradley A., New York, N. Y. Reading machine. 1,822,651; Sept. 8.
Fiske, Jonathan P. B., Newton, Mass., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Cooling unit. Re17,989; Mar. 3.
Fiske, Jonathan P. B., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Refrigerator. 1,826,308; Oct. 6.
Fisler, Gottfried. (See Shank, A. E., Fisler, and Linden.)
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. System and apparatus for handling freight. 1,802,010; Apr. 21.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Load engaging device. 1,802,888; Apr. 28.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Holding demountable bodies on vehicles. 1,814,304; July 14.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Apparatus for transferring freight. 1,825,786; Oct. 6.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Apparatus for transferring freight. 1,825,787; Oct. 6.

Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Hoisting cradle. 1,838,139; Dec. 29.
Fitch, Claude E., Wilmette, assignor to Q. R. S.-De Vry Corporaiton, Chicago, Ill. Sign construction. 1,824,204; Sept. 22.
Fitch, Clyde J., assignor to Fitchcraft, Incorporated, New York, N. Y. Speaker unit. 1,830,755; Nov. 10.
Fitch, Ellery R. (See Lapron, J. M., and Fitch.)
Fitch, Ellery R., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Double check valve device. 1,824,013; Sept. 22.
Fitch, Fred W., Des Moines, Iowa. Cream dispenser. 1,810,135; June 16.
Fitch, George N., Ventura, Calif. Expansible bit. 1,804,681; May 12.
Fitch, Guy L., Metropolis, Ill. Reenforced wooden bow and manufacture thereof. 1,789,137; Jan. 13.
Fitch, Jason A. (See Brainard, G. C., and Fitch.)
Fitch, Jason A. (See Caldwell, J. R., Dalberg, and Fitch.)
Fitch, Jason A., assignor to The General Fireproofing Company, Youngstown, Ohio. Vibration dampening device. 1,830,535.
Fitch, Jason A., assignor to The General Fireproofing Company, Youngstown, Ohio. Edge construction for furniture tops. 1,836,911; Dec. 15.
Fitch, John F., Buchanan, Va. Vending apparatus. 1,791,078; Feb. 3.
Fitch, William H., Fort Worth, Tex. Automatic tourist log. 1,817,979; Aug. 11.
Fitchburg Weaving Company. (See Baker, Fred., assignor.)
Fitchcraft, Incorporated. (See Fitch, Clyde J., assignor.)
Fitchet, Charles L., Oakland, Calif. Globe support for electric lights. 1,809,379; June 9.
Fitchett, Thomas S., assignor to F. X. Hooper Company, Inc., Glenarm, Md. Skip-feed attachment for slotting and creasing machines. 1,806,391; May 19.
Fitter, Charles F., Greenwich, Conn. Heat insulation. 1,797,228; Mar. 24.
Fitter, Charles F., Coscob, Conn. Fountain brush. 1,819,157; Aug. 18.
Fitter, Edgar A., et al. (See Schwaerzer, Max, assignor.)
Fitts, Charles F., et al., trustees. (See Miller, Frank W., assignor.)
Fitts, Charles K., Boston, Mass. Nozzle tip. 1,790,908; Feb. 3.
Fitts, James L., Merchantville, N. J., assignor to Warren Webster & Company. Steam heating. 1,824,046; Sept. 22.
Fitts, James L., Merchantville, N. J., assignor to Warren Webster & Company. Steam trap. 1,832,291; Nov. 17.
Fitts, Oscar B., Cherrydale, Va. Surface cutter and cultivator. 1,802,711; Apr. 28.
Fitts, Silas W. C., Alameda, assignor to The Condor Company, San Francisco, Calif. Door closer. 1,834,609; Dec. 1.
Fitz, Andrew W., Council Bluffs, Iowa. Emergency rim and protector. 1,808,979; June 9.
Fitz, Charles L., assignor to Q. R. S.-De Vry Corporation, Chicago, Ill. Combined side member and exposure meter for cameras. Des. 85,174; Sept. 22.
Fitz Gerald, Alan S., Schenectady, N. Y., assignor to General Electric Company. Protective arrangement. 1,792,291; Feb. 10.
Fitz Gerald, Alan S., Schenectady, N. Y., assignor to General Electric Company. Fault-responsive apparatus. 1,797,976; Mar. 24.
Fitzgerald, Alan S., Schenectady, N. Y., assignor to General Electric Company. Electric control system. 1,805,167; May 12.
Fitz Gerald, Alan S., Schenectady, N. Y., assignor to General Electric Company. Frequency responsive apparatus. 1,809,683; June 9.
Fitz Gerald, Alan S., Wynnewood, Pa., assignor to General Electric Company. Electrical regulator. 1,824,714; Sept. 22.
Fitz Gerald, Alan S., Wynnewood, Pa., assignor to General Electric Company. Apparatus for measuring direct currents. 1,825,514; Sept. 29.
Fitz Gerald, Arthur G., West Newton, and A. A. Anderson, Waltham, Mass.; said Anderson assignor to said Fitz Gerald. Outboard drive for motor boats. 1,822,573; Sept. 8.
Fitzgerald, Cecil Y. (See Pierson, C. W., Fitzgerald, and Thomae.)
Fitzgerald, Francis A. J., Niagara Falls, N. Y., and J. Kelleher, Chippawa, Ontario, Canada, assignors to American Cyanamid Company, New York, N. Y. Condenser and operating the same. 1,810,557; June 16.
Fitzgerald, Fred F., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Method of canning. 1,803,605; May 5.
Fitzgerald, Herber D. (See Adelsperger, C. C., and Fitzgerald.)
Fitzgerald, James E., Youngstown, assignor to The Niles Steel Products Company, Niles, Ohio. Sheet metal container. 1,826,609; Oct. 6.
FitzGerald, James J., New York, N. Y. Flying machine. 1,801,418; Apr. 21.
Fitzgerald, John W., Boston, Mass. Envelope lock. 1,836,459; Dec. 15.
Fitzgerald, John W., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Engine starter. 1,804,757; May 12.
Fitz Gerald, John W., Shorewood, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Current supply device. 1,820,060; Aug. 25.
Fitzgerald Manufacturing Company, The. (See Fitzgerald, Martin D., assignor.)
Fitzgerald Manufacturing Company, The. (See Fitzgerald, Patrick J., assignor.)
Fitzgerald Manufacturing Company, The. (See Hettinger, Charles F., assignor.)
Fitzgerald Mfg. Company, The. (See Reichold, Ludwig, assignor.)
Fitzgerald, Martin D., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Cylinder-head gasket. 1,793,423; Feb. 17.
Fitzgerald, Martin D., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Cylinder-head gasket. 1,793,424; Feb. 17.
Fitzgerald, Martin D., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Cylinder-head gasket. 1,793,425; Feb. 17.
Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Anti-rattling device for automobile panes. 1,820,451; Aug. 25.
Fitzgerald, William H. J., Braintree, assignor to Katches, Inc., Boston, Mass. Fastening device. 1,798,526; Mar. 31.
Fitz Gerald, William T., Coconut Grove, Fla., assignor to International Cigar Machinery Company. Cigar manufacture. 1,801,231; Apr. 14.
Fitz-Gibbon, John B. (See Aubel, Verne W., and Fitz-Gibbon.)
Fitz-Gibbon, John B., Bridgeburg, Ontario, Canada, assignor of one-half to D. M. Thorpe, Buffalo, N. Y. Base for furnaces, tanks and the like. 1,804,407; May 12.
Fitzgibbons Boiler Company. (See Lockett, J. W., and Tucker, assignors.)
Fitzgibbons, Gerald A., St. Louis, Mo. Sodality pin. Des. 84,279; June 2.
Fitzgibbons, Gerald A., St. Louis, Mo. Rack. 1,827,572; Oct. 13.
Fitzky, Wilhelm. (See Wagner, H., Kissling, Hotz, and Fitzky.)
Fitzky, Wilhelm, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. 5-halogen-2-amino-1-alkyloxy and 1-aralkyloxy-benzenes and intermediate products thereof and preparing them. 1,792,156; Feb. 10.
Fitzky, Wilhelm, and E. Thoma, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo-dyestuffs insoluble in water. 1,806,995; May 26.
Fitzpatrick, Eugene, Woodhaven, and C. W. Clark, Bellerose, and P. A. Tiernan, Laurel Hill, assignors to Nichols Copper Company, New York, N. Y. Producing metallic powders. 1,804,924; May 12.
Fitzpatrick, Hugh D., Glasgow, Scotland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slice receiver for slicing machines. 1,801,599; Apr. 21.
Fitz Patrick, James J., Marblehead, Mass., assignor to General Electric Company. Rectifying apparatus. 1,794,283; Feb. 24.
Fitzpatrick, John H., Chestnut Mound, Tenn. Burglar alarm. 1,838,818; Dec. 29.
Fitzpatrick, Joseph G., Anaheim, Calif. Fishing tool. 1,805,815; May 19.
Fitzpatrick, Joseph G., and R. W. Flint, Anaheim, assignors to J. F. Flint, Long Beach, Calif. Elevator. 1,804,758; May 12.
Fitzpatrick, Marion F., and J. T. Valentin, Jacksonville, Fla. Ventilator door. 1,798,663; Mar. 31.
Fitzpatrick, Paul G. (See Smith, T. C., Spowart, and Fitzpatrick.)
Fitzpatrick, Ray. East Palestine, Ohio. Hanger for cables and the like. 1,837,259; Dec. 22.
Fitzpatrick, Thomas L., Kenosha, Wis. Automatic control for internal-combustion engines. 1,791,619; Feb. 10.
Fitzpatrick, William J., Cedarhurst, assignor to R. H. Macy & Co., Inc., New York, N. Y. Display device. 1,824,539; Sept. 22.
Fitzsimmons, John T., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition apparatus. 1,801,600; Apr. 21.
Fitzsimmons, John T., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition apparatus. 1,825,388; Sept. 29.
Fitzsimmons, John T., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Ignition timer. 1,825,720; Oct. 6.
Fitzsimmons, John T., and H. L. Hartzell, Anderson, Ind., assignors to Delco-Remy Corporation, Dayton, Ohio. Ignition coil. 1,799,011; Mar. 31.
Fiumedoro, Aloysius J., Readville, Mass., assignor to Standard Neckwear Co., Boston, Mass., and New York, N. Y. Necktie. Re18,224; Oct. 13.
Fix, Charles H., Madison, assignor to Sprayo-Flake Company, Milwaukee, Wis. Insulating mat. 1,837,422; Dec. 22.
Fixsen, Henry J., Trenton, assignor to J. H. Balmer Co., Newark, N. J. Fixture. 1,838,935; Dec. 29.
Fixture bracket, Lighting-. H. Tauber. Des. 83,288–90; Feb. 10.

Flach, Hermann, and G. Barthelmie, Calumet City, Ill. Circuit maker or breaker. 1,812,329; June 30.
Flack, Theodore J., Brooksville, Fla. Molding articles. 1,806,451; May 19.
Flagg, Charles N., Meriden, Conn. Float operated control valve. 1,839,144; Dec. 29.
Flagg, Clarence L., Atlantic, assignor to Bankers Electric Protective Association, Boston, Mass. Alarm. 1,824,473; Sept. 22.
Flagg, Ernest, New York, N. Y. Lock and latch mechanism. 1,788,287; Jan. 6.
Flagg, John H., Oradell, assignor to Watson-Flagg Machine Company, Paterson, N. J. Speed change unit. 1,820,061; Aug. 25.
Flagler, Sidney V., assignor, by mesne assignments, to G. Lipechutz, Chicago, Ill. Switch plate. 1,816,803; July 28.
Flagstad, Cornell, Minneapolis, Minn. Clutch control device. 1,810,103; June 16.
Flagstad, Oscar A., Minneapolis, Minn. Mop. 1,802,889; Apr. 28.
Flagstad, Oscar A., assignor of ninety-five per cent to Folding Crate and Box Company, Minneapolis, Minn. Collapsible bottle box. 1,795,942; Mar. 10.
Flaherty, Burt L., assignor to Central Heating Equipment Corporation, Dayton, Ohio. Flue base and soot chamber. 1,802,418; Apr. 28.
Flaherty, Burt L., assignor to Central Heating Equipment Corporation, Dayton, Ohio. Chimney. 1,835,702; Dec. 8.
Flaherty, Burt L., assignor to Central Heating Equipment Corporation, Dayton, Ohio. Pipe and chimney connection. 1,835,703; Dec. 8.
Flaherty, Edward M., Chicago, Ill. Mill for coffee and the like. 1,829,985; Nov. 3.
Flaherty, Harold J., Swampscott, Mass., assignor to General Electric Company. Lighting device. 1,792,292; Feb. 10.
Flaherty, Patrick, Los Angeles, Calif. Game wheel. Des. 83,725; Mar. 24.
Flaherty, Richard S., et al. (See Van Horn, Earl, assignor.)
Flam, Stephen, Walnut Park, assignor to Supertile Machinery Corporation, Los Angeles, Calif. Vibrator mechanism. 1,806,620; May 26.
Flamm, Edward G., Philadelphia, Pa. Gear-cutter centering gauge. 1,794,162; Feb. 24.
Flamma, Lucio, New York, N. Y. Combination beverage dispenser. 1,807,518; May 26.
Flammang, John, University City, and P. L. Bowser, St. Louis, Mo., assignors, by mesne assignments, to The Sterling Corporation, Wilmington, Del. Piston. 1,795,595; Mar. 10.
Flammang, John, University City, and P. L. Bowser, St. Louis, Mo., assignors, by mesne assignments, to The Sterling Corporation, Wilmington, Del. Trunk piston. 1,803,387; May 5.
Flammer, Ernst, and C. Kelber, Heilbronn, Germany. Manufacture of soap. 1,810,759; June 16.
Flammer, Ernst, and C. Kelber, Heilbronn, Germany. Manufacture of soap. 1,824,809; Sept. 29.
Flanagan, Thomas B., assignor to The Exact Weight Scale Company, Columbus, Ohio. Weighing scale. 1,814,591; July 14.
Flanagan, William B., assignor to A. Kreamer, Inc., Brooklyn, N. Y. Cake box. Des. 83,962; Apr. 21.
Flanders, Paul B. (See Smythe, E. H., and Flanders.)
Flanders, Paul B., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and apparatus for measuring acoustical impedances. 1,795,647; Mar. 10.
Flanders, Paul B., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,804,759; May 12.
Flanders, Paul B., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording and reproducing instrument. 1,809,684; June 9.
Flanders, Warren B., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine casing. 1,796,325; Mar. 17.
Flanders, Warren B., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governing mechanism. 1,799,361; Apr. 7.
Flanders, Warren B., Philadelphia, Pa., assignor to Westing house Electric & Manufacturing Company. Reduction gear. 1,838,990; Dec. 29.
Flandrin, Ludovic, Neuilly sur Seine, and G. C. Levy, Paris, France. Resistance controlling device. 1,834,832; Dec. 1.
Flanigan, Anthony J. (See Thomas, J., and Flanigan.)
Flanigan, Charles R., assignor to The Columbia Axle Company, Cleveland, Ohio. Steering wheel. 1,826,278; Oct. 6.
Flanigan, John J., Oak Park, Ill. Duplicating machine. 1,811,176; June 23.
Flarsheim, Edwin S. (See Liebel, J. G. H., and Flarsheim.)
Flarsheim, Edwin S., assignor to The Liebel-Flarsheim Company, Cincinnati, Ohio. Spark gap. 1,701,464; Feb. 3.
Flashtric Sign Works. (See Goddard, Edwin G., assignor.)
Flather, Frederick A., Lowell, Mass. Curtain package. 1,807,519; May 26.
Flatman, Ernest C., Birmingham, Mich. Wagon. 1,795,550; Mar. 10.
Flaton, Peter, trustee. (See Flaton, Peter, assignor.)
Flaton, Peter, St. Louis, Mo., assignor to said Peter Flaton, trustee. Apparatus for making piston rings. 1,836,460; Dec. 15.
Flauder, Alfred J. (See Weidlich, L., and Flauder.)
Flauder, Alfred J., Trumbull, Conn. Athletic trophy. Des. 84,735; July 28.
Flauder, Alfred J., Trumbull, assignor to Weidlich Sterling Spoon Co., Bridgeport, Conn. Spoon or analogous article. Des. 84,329; June 9.
Flauder, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Athletic trophy. Des. 84,634; July 14.
Flautt, Porter H., assignor of one-half to F. C. Yingling, Baltimore, Md. Pouring spout. 1,814,083; July 14.
Flaven, Clifford L., as trustee. (See Jones, Daniel E., assignor.)
Flaws, John, jr., Irvington, N. J., assignor to General Electric Company. Grid making machine. 1,838,819; Dec. 29.
Flaxlinum Insulating Company. (See Wunderlich, Milton S., assignor.)
Fleck, Abraham J., Bradley Beach, N. J. Acoustic device. 1,814,624; July 14.
Fleck, Joseph, Long Branch, N. J. Article cover. 1,822,014; Sept. 8.
Fleck, Philip H., assignor of one-third to R. M. Akin and one-third to J. Royle, Ossining, N. Y. Low water and pressure governor. 1,821,699; Sept. 1.
Fleckenstein, Roger J. (See Baker, F. C., Fleckenstein, and Landman.)
Fleece, Granville S., Memphis, Tenn. Defrosting device for refrigerators. 1,819,324; Aug. 18.
Fleece, John, Harvey, Ill. Fastening device. 1,796,924; Mar. 17.
Fleek, Roy E., Oil City, Pa. Switch. 1,807,398; May 26.
Fleetwood Body Corporation. (See Kern, J. S., and Currier, assignors.)
Flegel, Harrison D., assignor, by mesne assignments, to Hamilton Beach Manufacturing Company, Racine, Wis. Ice cream disher. 1,829,442; Oct. 27.
Fleigel, Banjamin, assignor to J. Simon and S. I. Glueck, Cleveland, Ohio. Telephone and desk memo device. 1,790,343; Jan. 27.
Fleischaker, Arthur, et al. (See Eskridge, Wilbur, assignor.)
Fleischel, Gaston, Bleneau, France. Automatic gear shift. 1,813,731; July 7.
Fleischel, Gaston, Bleneau, France. Control system for automatic gear and clutch shifting assemblies. 1,819,237; Aug. 18.
Fleischel, Gaston, Bleneau, France. Automatic speed changer. 1,838,096; Dec. 29.
Fleischer, Fritz, Weimar, Germany. Producing projection pictures. 1,821,626; Sept. 1.
Fleischer, Max, Brooklyn, assignor to Out of the Inkwell Films, Inc., New York, N. Y. Producing films. 1,819,883; Aug. 18.
Fleischer, Paul W., Weehawken, N. J., and M. Feybusch, Brooklyn, N. Y., assignors to New Jersey Machine Corporation, Hoboken, N. J. Paper box making machinery. 1,821,700; Sept. 1.
Fleischer, Paul W., Weehawken, N. J., M. Feybusch, F. J. Hammer, New York, and B. D. Dans, Brooklyn, N. Y., assignors to New Jersey Machine Corporation, Hoboken, N. J. Box making machinery. 1,821,701; Sept. 1.
Fleischbacker, Max, Hanover, Germany. Holder for dentistry work. 1,824,398; Sept. 22.
Fleischhauer, Richard. (See Kalischer, G., and Fleischhauer.)
Fleischli, John A., Clayton, and J. M. Kountzman, assignors to Cupples Company, St. Louis, Mo. Assembling nuts and bridge washers on valve stems. 1,807,591; June 2.
Fleischman, Joseph, Kew Gardens, N. Y. Hat protector. 1,800,933; Apr. 14.
Fleisher, Walter L., assignor to The Cooling & Air Conditioning Corporation, New York, N. Y. Reducing temperature by dehydration. Re17,998; Mar. 10.
Fleisher, Walter L., assignor to The Cooling & Air Conditioning Corporation, New York, N. Y. Cooling and drying air. 1,819,643; Aug. 18.
Fleisher, Walter L., assignor to The Cooling & Air Conditioning Corporation, New York, N. Y. Heating and humidification system and apparatus. 1,821,886; Sept. 1.
Fleissner, Christian, jr., Newark, N. J. Embossed leather or similar article. Des. 83,038; Jan. 13.
Fleiter, Andrew J. (See Miller, Theodore A., assignor.)
Fleiter, Andrew J., assignor to The Akron Standard Mold Company, Akron, Ohio. Watchcase vulcanizer. 1,820,132; Aug. 25.
Fleming, Charles A., Pontiac, Mich., assignor to The Willys-Overland Company, Toledo, Ohio. Lubrication system for sleeve valve engines. 1,812,825; June 30.
Fleming, Janet G., Riverside, Calif. Doll. 1,822,437; Sept. 8.
Fleming, Jared B., Baltimore County, assignor to The Black & Decker Manufacturing Company, Towson, Md. Motor-valve-tester check valve. 1,795,333; Mar. 10.
Fleming, John O., and P. Paul, Coronado, Calif. Boat propelling and steering apparatus. 1,795,596; Mar. 10.

Fleming, John S., Toronto, Ontario, Canada, assignor, by mesne assignments, to Niagara Fold, Inc., Niagara Falls, N. Y. Manifolding device. 1,801,491; Apr. 21.
Fleming, John S., assignor, by mesne assignments, to Niagara Fold, Inc., Niagara Falls, N. Y. Record supply packet. 1,801,492; Apr. 21.
Fleming, John S., Toronto, Ontario, Canada, assignor, by mesne assignments, to Niagara Fold, Inc., Niagara Falls, N. Y. Manifolding device for writing machines. 1,801,493; Apr. 21.
Fleming, John S., Toronto, Ontario, Canada, assignor, by mesne assignments, to Niagara Fold, Inc., Niagara Falls, N. Y. Transfer sheet carrier. 1,801,494; Apr. 21.
Fleming, John S., Toronto, Ontario, Canada, assignor, by mesne assignments, to Niagara Fold, Inc., Niagara Falls, N. Y. Manifolding writing machine. 1,801,495; Apr. 21.
Fleming, John S., Toronto, Ontario, Canada, assignor, by mesne assignments, to Niagara Fold, Inc., Niagara Falls, N. Y. Carbon pack. 1,801,496; Apr. 21.
Fleming, Joseph P., assignor to Wakefield All Steel Wrench Company, Inc., Worcester, Mass. Socket wrench set. 1,838,254; Dec. 29.
Fleming, Robert G., Chico, Calif., assignor to G. H. Hall, Evanston, Ill. Thrashing machine. 1,814,305; July 14.
Fleming, Robert M., assignor to Ebensburg Coal Company, Colver, Pa. Mining machine. 1,808,649; June 2.
Fleming, Thomas J., Waterbury, Conn. Apparatus for construction. 1,832,696; Nov. 17.
Fleming, Wells S., Portland, Oreg. Floor drain fixture. 1,805,816; May 19.
Fleming, William J. (See Jones, B. W., and Fleming.)
Flenniken, Joseph W., Lynn, Mass. Indicating device. 1,791,056; Feb. 3.
Flesher, Tommie R., McAlester, Okla. Fire extinguishing device for gas and oil wells. 1,831,488; Nov. 10.
Fletcher, Arthur, Graham, Okla., assignor to Magnolia Petroleum Company, Dallas, Tex. Tank-cleaning device. 1,788,094; Jan. 6.
Fletcher, Charles, assignor to Walgreen Company, Chicago, Ill. Drinking glass. Des. 85,091; Sept. 15.
Fletcher, Ernest E., Chicago, Ill. Floor construction. 1,805,483; May 19.
Fletcher, Francis L. (See Hunter, M. C. I., and Fletcher.)
Fletcher, Glenn H. (See Steffan, G. B., Williams, and Fletcher.)
Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Pneumatic discharge swab. 1,833,778; Nov. 24.
Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Fluid operated swab. 1,836,842; Dec. 15.
Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Pneumatic swab. 1,836,843; Dec. 15.
Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Fluid pressure operated swab. 1,836,912; Dec. 15.
Fletcher, Harry R., Belmont, Mass., assignor to Markem Machine Company, Keene, N. H. Marking machine. 1,817,358; Aug. 4.
Fletcher, James. (See Kerr, H. J., and Fletcher.)
Fletcher, John B., Newport, Ky. Metallic dolly. 1,827,226; Oct. 13.
Fletcher, Roy L. (See Monroe, V., and Fletcher.)
Fletcher, William D., West Brighton, N. Y. Apparatus for generating electric energy. 1,787,930; Jan. 6.
Fletcher, William F., Montreal, Quebec, Canada. Ship construction. 1,803,104; Apr. 28.
Fletcher, William F., Montreal, Quebec, Canada. Ship construction. 1,803,105; Apr. 28.
Fletcher Works. (See Schaum, Fletcher, assignor.)
Fletcher Works, Incorporated. (See Bartholmew, Robert J., assignor.)
Flettner, Anton, Berlin, Germany, assignor to N. V. Instituut voor Aero en Hydro-Dynamiek, Amsterdam, Netherlands. Arrangement for exchanging energy between a current and a body therein. Re18,122; July 7.
Fleuti, Arthur J., et al. (See Woodman, Commodore B., assignor.)
Flexible Lacing Steel Co. (See Olsen, John C., assignor.)
Flexible Steel Lacing Company. (See Purple, George E., assignor.)
Flexible Truck Corporation. (See Seiders, Irwin A., assignor.)
Flexible Truck Corporation. (See Taylor, Howard D., assignor.)
Flexitallic Gasket Co. (See Bohmer, Henry, jr., assignor.)
Flexlume Corporation. (See Cudney, Harry J., assignor.)
Flexlume Corporation. (See Laube, Louis W., assignor.)
Flexlume Corporation. (See Whitman, Channing, assignor.)
Flexlume Corporation. (See Wiley, Roy R., assignor.)
Flexlume Corporation. (See Woolrich, Edward S., assignor.)
Flexo-Drive Corporation. (See Gage, Nelson A., assignor.)
Flexwood Company, The. (See Elmendorf, Armin., assignor.)
Flick, Daniel M., assignor to Wurster & Sanger, Inc., Chicago, Ill. Catch-all and entrainment separator. 1,791,056; Feb. 3.
Flicker, Benjamin B., Phillips, Wis. Automobile trouble indicator. 1,795,114; Mar. 3.
Fliegel, Hubert H., Merrick, N. Y. Hatch construction for lower decks. 1,835,855; Dec. 8.
Fliegel, Hubert H., Merrick, N. Y. Hatch construction for upper decks. 1,835,856; Dec. 8.
Flinchbaugh, Frederick T. (See Manley, R. E., and Flinchbaugh.)
Flint, Clarence, Birmingham, England. Fastener for purses, hand bags, attaché cases, or the like. 1,791,268; Feb. 3.
Flint, Joseph F. (See Fitzpatrick, J. G., and Flint, assignors.)
Flint, Robert W. (See Fitzpatrick, J. G., and Flint.)
Flintermann, Gerhard, West Orange, N. J. Container for toilet accessories. Des. 84,981; Sept. 1.
Flintermann, Gerhard, West Orange, N. J. Flexible joint. 1,803,606; May 5.
Flintermann, Gerhard, Orange, N. J. Adjustable seat for vehicles. 1,806,014; May 19.
Flintermann, Gerhard, West Orange, N. J. Shaving kit. 1,810,652; June 16.
Flintermann, Gerhard, West Orange, N. J. Flexible support. 1,811,923; June 30.
Flintermann, Gerhard, West Orange, N. J. Seat adjusting means for vehicles. 1,814,140; July 14.
Flintermann, Gerhard, West Orange, N. J. Shock absorbing device. 1,834,450; Dec. 1.
Flintermann, Gerhard, East Orange, N. J. Flexible joint. 1,837,360; Dec. 22.
Flintkote Company, The. (See Clapp, Albert L., assignor.)
Flintkote Company, The. (See Gregg, Maxwell G., assignor.)
Flintkote Company, The. (See Kirschbraun, Lester, assignor.)
Flintkote Company, The. (See Kirschbraun, L., and Overbury, assignors.)
Flintkote Company, The. (See Levin, Harold L., assignor.)
Flintkote Company, The. (See Overbury, Frederick C., assignor.)
Flintkote Company, The. (See Plunkett, John H., assignor.)
Flockhart Co., The. (See Flockhart, James, assignor.)
Flockhart, James, assignor to The Flockhart Co., Inc., San Francisco, Calif. Stencil printing apparatus. 1,828,771; Oct. 27.
Flodin, Henning G., Stockholm, Sweden. Regulating the electrodes in reversible electric furnaces. 1,792,293; Feb. 10.
Flodin, Henning G., Stockholm, Sweden. Converting metals into sponge or spongy masses. 1,792,532; Feb. 17.
Flodin, Victor E., Oak Park, assignor to Crane Co., Chicago, Ill. Gate valve. 1,835,289; Dec. 8.
Flodin, Victor E., Oak Park, assignor to Crane Co., Chicago, Ill. Milling machine. 1,835,290; Dec. 8.
Flodin, Victor E., Oak Park, assignor to Crane Co., Chicago, Ill. Grinding machine. 1,835,291; Dec. 8.
Flodin, Victor E., Oak Park, assignor to Crane Co., Chicago, Ill. Grinding fixture for valve body seat rings. 1,835,292; Dec. 8.
Floeter, Frederick S., assignor to Wickes Bros., Saginaw, Mich. Tool-feed device for crank-pin-turning lathes. 1,793,789; Feb. 24.
Floeter, Frederick S., assignor to Wickes Bros., Saginaw, Mich. Tool-carrying device for double-acting turning lathes. 1,799,291; Apr. 7.
Floeter, Frederick S., assignor to Wickes Bros., Saginaw, Mich. Tool holder for double-acting lathes. 1,799,893; Apr. 7.
Flohr, Edwin, Brooklyn, N. Y. Alarm illuminator clock. 1,807,976; June 2.
Flood, Charles W., jr., Philadelphia, Pa. Lighting fixture. Des. 83,530; Mar. 3.
Flood, Charles W., jr., Philadelphia, Pa. Lighting fixture. Des. 83,853; Apr. 7.
Flood, Fred L. B., Frostproof, Fla. Fish bait. 1,813,843; July 7.
Flood, John A., Minneapolis, Minn. Web holding machine. 1,823,264; Sept. 15.
Flood, Oscar S. (See Graham, L. L., and Flood.)
Flood, William, et al. (See Morris, Tom, assignor.)
Flook, George. (See O'Neil, J. H., and Flook.)
Floor Accessories Company. (See Awbrey, Samuel C., assignor.)
Flora, George R., assignor to Arrow Expansion Bolt, Inc., Marion, Ohio. Expansion shield. 1,801,147; Apr. 14.
Flora, Rolla T., Lankershim, Calif., assignor, by mesne assignments, to Paramount Publix Corporation. Photographic apparatus. 1,790,232; Jan. 27.
Floraday, Burton S. (See Haskins, H. B., Floraday, and Miller.)
Floraday, Burton S., assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Handle assembly. 1,798,527; Mar. 31.
Floraday, Burton S., assignor to The Dura Company, Toledo, Ohio. Locking mechanism. 1,798,528; Mar. 31.
Floraday, Burton S., assignor to The Dura Company, Toledo, Ohio. Handle. 1,818,612; Aug. 11.
Floraday, Burton S., assignor to The Dura Company, Toledo, Ohio. Locking handle assembly. 1,827,979; Oct. 20.
Floral City Furniture Company. (See Knabusch, E. M., and Shoemaker, assignors.)

Florang, Oscar E., Burlington, Iowa. Wire handle for containers. 1,808,650; June 2.

Florczyk, Joseph F., assignor to Roxbury Carpet Company, Saxonville, Mass. Pile fabric. 1,835,940; Dec. 8.

Florence Pipe Foundry & Machine Company. (See Green, Charles B., assignor.)

Florence Stone Company. (See White, F. E., and Ruttiman, assignors.)

Florex Gardens, The. (See Müller, Otto A., assignor.)

Florido, Pablo V., U. S. Navy. Aircraft landing apparatus. 1,814,985; July 14.

Florig, Emil, and A. Brache, New York, N. Y. Flying aeroplane carrier. 1,801,039; Apr. 14.

Floring, William M., Newton Center, Mass., assignor, by mesne assignments, to The Ruberoid Co., Bound Brook, N. J. Mulch for promoting growth of plants. 1,807,205; May 26.

Florisson, Charles L., Courbevoie, Becon-Les-Bruyeres, assignor of one-half to Societe de Condensation & d'Applications Mecaniques, Paris, France. Motion transforming mechanism. 1,811,578; June 23.

Florman, Irving, New York, N. Y. Pocket atomizer. Des. 83,250; Feb. 10.

Florman, Irving, New York, N. Y. Electric clock case. Des. 84,635; July 14.

Florman, Irving, New York, N. Y. Cigar and cigarette lighter. Des. 84,736; July 28.

Florman, Irving, New York, N. Y. Cooling device for radiators for automobiles. 1,791,924; Feb. 10.

Florman, Irving, New York, N. Y. Rear-view mirror for automobiles. 1,796,093; Mar. 10.

Florus, George S., Chicago, Ill. Switch structure. 1,823,826; Sept. 15.

Flose, F. C. (See Leinbach, Edward L., assignor.)

Floss, Carl W., Detroit, Mich. Stone holder for honing tools. 1,800,213; Apr. 14.

Flosse, William B. (See Mead, E. G., and Flosse.)

Flower, Arthur H. (See Geyer, H. D., Flower, and Housekeeper.)

Flower, John W., Wimborne, England. Bottle filling and crowning machine. 1,828,802; Oct. 27.

Flower, Spenser, Shipston-on-Stour, England. Presses for rackets. 1,796,596; Mar. 17.

Flowers, Alan E., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Causing a reaction between an aqueous reagent and impurities in oil. 1,818,702; Aug. 11.

Flowers, Henry F., Findlay, Ohio. Dump vehicle with actuated doors. 1,813,570; July 7.

Flowers, Henry F., Findlay, Ohio. Dump vehicle. 1,817,681; Aug. 4.

Flowers, Henry F., Findlay, Ohio. Fluid pressure raising mechanism. 1,819,411; Aug. 18.

Flowers, Henry F., Findlay, Ohio. Lift door dump vehicle. 1,830,390; Nov. 3.

Flowers, Henry F., Findlay, Ohio. Three way dump vehicle. 1,831,489; Nov. 10.

Flowers, John B., Brooklawn, N. J. Waterproofing and gasproofing of fabrics. 1,793,075; Feb. 17.

Flowers, Malon I., Waelder, Tex. Gin-saw filer. 1,793,361; Feb. 17.

Flowers, Thomas E., Memphis, Tenn. Magazine gun. 1,828,108; Oct. 20.

Floyd, Alfred T., jr., assignor of forty-nine per cent to Elmer R. Scott, Little Rock, Ark. Muffler for engines. 1,818,469; Aug. 11.

Floyd, Carol, assignor to Dr. P. Phillips Company, Orlando, Fla. Can filling machine. 1,815,766; July 21.

Floyd, Carol, assignor to Dr. P. Phillips Company, Orlando, Fla. Machine for dividing fruit. 1,825,629; Sept. 29.

Floyd, Carol, and D. M. Smalle, Orlando, assignors to Dr. P. Phillips Company, Orlando, Fla. Machine for coring and slicing citrous fruits. 1,825,628; Sept. 29.

Floyd, Channing, Pasadena, and P. L. Bradford, La Canada, Calif. Golf-ball washer. 1,798,322; Mar. 31.

Floyd, Darby G., and M. H. McLendon, Winnsboro, S. C. Combined shipper and gear casing lock. 1,803,796; May 5.

Floyd, Elijah L., assignor to The Adler Underwear and Hosiery Company, Cincinnati, Ohio. Knitting machine. 1,828,999; Oct. 27.

Floyd, George G., Riverside, assignor of one-half to The Wahl Company, Chicago, Ill. Electrical meter reading system. 1,802,643; Apr. 28.

Floyd, Ray H., assignor to Unique Spark Plug Cleaner Co., Chicago, Ill. Slack-take-up device. 1,787,429; Jan. 6.

Floyd, Ray H., Chicago, Ill., assignor of forty-nine per cent to I. W. Powell and I. E. Powell. Automatic spark retarder. 1,806,752; May 26.

Floyd, William M., Cincinnati, Ohio. Fountain pen eraser and burnisher. 1,805,279; May 12.

Fluga Aktien-Gesellschaft. (See Heylandt, Christian W. P., assignor.)

Fluharty, William G., Rockville Center, assignor to The Western Union Telegraph Company, New York, N. Y. Duplex balance indicator. 1,802,244; Apr. 21.

Fluhr, Louis, and A. Verhaar, Brussels, Belgium. Percussive hand tool. 1,808,948; June 9.

Fluker, William H., Thomson, Ga. Fastening means for license plates and the like. 1,797,081; Mar. 17.

Flum, Robert A., Cleveland Heights, Ohio. Handwriting machine. 1,813,237; July 7.

Flumerfelt, William A., Columbus, Ohio, assignor to The Columbus Auto Parts Company. Joint. 1,806,286; May 19.

Fluor Construction Co. (See Fluor, Peter E., assignor.)

Fluor Construction Co. (See Martin, Guy T., assignor.)

Fluor, Peter E., assignor to Fluor Construction Co., Los Angeles, Calif. Cooling tower. 1,829,744; Nov. 3.

Flynn, Benjamin H., Amarillo, Tex. Turning equipment for heavy machines. 1,789,647; Jan. 20.

Flynn, Edward, Tiffin, Ohio. Radiator. 1,816,320; July 28.

Flynn, Edmund J., and W. C. Hooey, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Manufacture of zinc sulphide. 1,835,482; Dec. 8.

Flynn, Jeremiah, assignor of one-fourth to F. Tirrell, and one-fourth to Jerome Flynn, St. Louis, Mo. Refrigerator. 1,809,893; June 16.

Flynn, Jerome, et al. (See Flynn, Jeremiah, assignor.)

Flynn, John B. (See Edgar, F. M., and Flynn.)

Flynn, John B. (See Schnell, W. and Flynn.)

Flynn, John B., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Fabricating strikers. 1,804,004; May 5.

Flynn, John B., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Doorlock. 1,804,253; May 5.

Flynn, John B., assignor to Ternstadt Manufacturing Company, Detroit, Mich. Door kick-out device. 1,808,458; June 2.

Flynn, John B., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Lock assembly for vehicles. 1,811,004; June 23.

Flynn, John B., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Coach lock. 1,811,265; June 23.

Flynn, John C., Mount Vernon, assignor to George W. Helme Company, New York, N. Y. Dipper for snuff or the like. 1,808,949; June 9.

Flynn, John C., Mount Vernon, assignor to George W. Helme Company, New York, N. Y. Dipper for snuff or the like. 1,808,950; June 9.

Flynn, Maurice J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle motion for narrow ware looms. 1,826,394; Oct. 6.

Foale, William E., Wilkinsburg, Pa. Roll for flattening metal sheets. 1,806,015; May 19.

Focher, Frank, jr., Highland Park, Mich. Dual clutch mechanism. 1,791,198; Feb. 3.

Foco, Bruno, Turin, Italy. Spring washer. 1,816,673; July 28.

Foddy, Harold M. (See Kopke, J. W., and Foddy.)

Foehl, Willard L., Audubon, N. J., and G. A. Robinson, jr., Bywood, Pa. Bowling alley. 1,835,857; Dec. 8.

Foehr, Otto, Karlsruhe, Germany. Cigar and cigarette holder. 1,825,946; Oct. 6.

Foell, Fred. (See Zimmerman, J., and Glock, assignors.)

Foerster, Charles J., Newton, Mass. Finger nail polisher. 1,810,701; June 16.

Foerster, Charles J., Newton, Mass. Finger nail polisher. 1,814,625; July 14.

Foerster, Emanuel, St. Paul, Minn. Plate for teeth. 1,831,591; Nov. 10.

Foerster, Oswald B., Nuremberg, Germany. Automatic weighing apparatus. 1,793,169; Feb. 17.

Foerstner, George. (See Young, H. L., and Foerstner.)

Foerstner, George, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Inner-tube-building method and apparatus. 1,796,363; Mar. 17.

Fogarty, John S., et al. (See Birtciel, Joseph S., assignor.)

Fogarty, Orville A., Montreal, Quebec, assignor to Vilas Oil Burners Limited, Cowansville, Canada. Electrical switch in oil burning equipments. 1,806,937; May 26.

Fogal, Anna E. (See Fogal, John E. W., assignor.)

Fogal, Anna E., executrix. (See Fogal, John E. W.)

Fogal, John E. W., deceased, Quincy, Ill.; A. E. Fogal executrix, assignor to Anna E. Fogal. Elevator construction. 1,834,610; Dec. 1.

Fogel, Clifford A. (See Nelson, F. O., and Fogel.)

Fogel, Clifford A., and F. O. Nelson, Pittsburgh, Pa. Merchandise display holder. 1,814,440; July 14.

Fogel, Irene, and S. Shulkin, Los Angeles, Calif. Bathing suit. Des. 84,929; Aug. 25.

Fogelson, Samuel J., Chicago, Ill. Physiological mucin preparation. 1,829,270; Oct. 27.

Fogg, Ernest, Newcastle-upon-Tyne, England. Artificial denture. 1,801,040; Apr. 14.

Fogh, Christian P., Oakland, Calif. Awning. 1,809,966; June 16.

Föhl, Carl, Berlin, assignor to Ruthsaccumulator Aktiebolag, Berlin, Germany. Power plant. 1,828,528; Oct. 20.

Foisy, Victor A., Worcester, Mass., and C. J. Lindegren, Providence, R. I., assignors to Crompton & Knowles Loom Works, Worcester, Mass. Multicolor-weft-replenishing mechanism for looms. 1,793,168; Feb. 17.

Foisy, Victor A., Worcester, Mass., and C. J. Lindegren, Providence, R. I., assignors to Crompton & Knowles Loom Works, Worcester, Mass. Let-off for looms. 1,807,733; June 2.

Folberth, Frederick G. and W. M., Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,797,977; Mar. 24.

Folberth, Frederick G. and W. M., Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Heater attachment for automobiles. 1,811,829; June 23.

Folberth, William M. (See Folberth, Frederick G. and W. M.)

Folders Limited. (See Parker, Alexander, assignor.)
Folding Crate and Box Company. (See Flagstad, Oscar A., assignor.)
Folding Products Corporation. (See Nordell, C. H., and Erlinder, assignors.)
Folds, George R., Evanston, assignor to Cook Electric Company, Chicago, Ill. Cable terminal. 1,816,008; July 28.
Foley, Albert P. (See Weir, W. S., and Foley.)
Foley, Andrew J., Brooklyn, N. Y. Smoker's article. 1,829,858; Nov. 3.
Foley, Charles B., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Filter. 1,820,533; Aug. 25.
Foley, Charles B., Fort Wayne, assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Filter. 1,824,079; Sept. 22.
Foley, Dollner S., Minneapolis, Minn. Table lamp. Des. 85,468; Nov. 3.
Foley, Dollner S., Minneapolis, Minn. Table Lamp. Des. 85,469; Nov. 3.
Foley, Dora, Los Angeles, Calif. Ornament for automobile radiator cap or the like. Des. 85,414; Oct. 27.
Foley, Francis J., Norwood, Mass. Radiocabinet. Des. 84,778; Aug. 4.
Foley, James A., Omaha, Nebr. Garment hanger. 1,833,779; Nov. 24.
Foley, James L. (See Mullin, J. J., and Foley.)
Foley, John W., Chicago, Ill. Roller bearing. 1,798,529; Mar. 31.
Foley, Michael J., assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Die holder. 1,830,268; Nov. 3.
Foley Saw Tool Company. (See Mathieu, Vincent J., assignor.)
Foley, Thomas A., Astoria, N. Y. Derrick-rotating means. 1,791,667; Feb. 10.
Foley, William J. (See German, A. J., and Foley.)
Foley, William V., New Haven, Conn., assignor of one-half to E. S. Beach, Ridgefield, Conn. Making rubber handled tools. 1,813,797; July 7.
Folgarolas, Antonio. (See Folgarolas, Jacinto and A.)
Folgarolas, Jacinto and A., Mexico, Mexico. Rim for automobile wheels. 1,827,645; Oct. 13.
Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,800,861; Apr. 14.
Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Deflector for slicing machines. 1,811,845; June 30.
Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slice receiver and collector. 1,818,242; Aug. 11.
Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Assembling device for slicing machines. 1,818,244; Aug. 11.
Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,818,245; Aug. 11.
Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Multiple speed mechanism for slicing machines. 1,824,949; Sept. 29.
Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Power drive mechanism for slicing machines. 1,824,950; Sept. 29.
Folker, Harold, assignor to The Dayton Scale Company, Dayton, Ohio. Feed for slicing machines. 1,788,019; Jan. 6.
Foll, John V., Croydon, England. Telegraphic communicating system. 1,821,146; Sept. 1.
Follansbee Brothers Company. (See Boyd, Millard J., assignor.)
Folliet, Alexandre, and Nicolas Sainderichin, Paris, France. Treatment of zinciferous and composite ores by the volatilization of metallic elements. 1,813,042; July 7.
Follis Clutch Pedal Gear Shift Company. (See Follis, Paul R., assignor.)
Follis, Paul R., assignor to Follis Clutch Pedal Gear Shift Company, Paducah, Ky. Transmission-gear-shifting mechanism. 1,794,163; Feb. 24.
Follmer, Clogg & Company. (See Brown, James L., jr., assignor.)
Follmer, Clogg & Co. (See Knight, Samuel H., assignor.)
Follmer, Emile P., et al. (See Guthmuller, George L., assignor.)
Follmer, Frederick R., et al. (See Guthmuller, George L., assignor.)
Follows, George H., Pittsburgh, Pa. Program indicating device for radio reception. 1,837,707; Dec. 22.
Folman, Józef, Sosnowiec, Poland. Making screw dies. 1,796,925; Mar. 17.
Folmer-Chapin Corporation. (See Folmer, W. F., and Chapin, assignors.)
Folmer Graflex Corporation. (See Beck, Alwin H., assignor.)
Folmer Graflex Corporation, The. (See Roth, Charles H., assignor.)
Folmer Graflex Corporation. (See Wheeler, Arthur, assignor.)
Folmer, William F., and H. L. Chapin, assignors to Folmer-Chapin Corporation, Rochester, N. Y. Electric lamp and high tension insect destroyer. Des. 85,817; Dec. 22.
Folsom, Clarence P., assignor to Dayton Beater and Hoist Company, Dayton, Ohio. Drier tank. 1,821,907; Sept. 1.
Foltis, Anestis, New York, N. Y. Reservoir brush. 1,798,597; Mar. 31.
Foltz, Jesse B., Sparks, Nev. Submarine life saving and salvaging device. 1,814,375; July 14.
Foltz, William E., Detroit, Mich., assignor, by mesna assignments, to The Sidney Steel Scraper Company, Sidney, Ohio. Portable winch. 1,801,246; Apr. 14.
Fonda Container Company. (See Ross, John, assignor.)
Fonda Container Company. (See Toscano, Louis P., assignor.)
Fones, Margaret M., New York, N. Y. Mender attachment for sewing machines. 1,826,610; Oct. 6.
Fonseca, André S., Havana, Cuba. Tobacco cleaning machine. 1,831,953; Nov. 17.
Fonseca, Edward L., assignor to The Wilcolator Company, Newark, N. J. Thermostatic controller. 1,796,196; Mar. 10.
Fontaine, Robert A., Martinsville, Va. Truck. 1,803,058; Apr. 28.
Fontaine, Robert A., Martinsville, Va. Brick stack carrier. 1,811,429; June 23.
Fontaine, Robert A., Martinsville, Va. Brick handling hoist. 1,811,924; June 30.
Fontanarosa, Alfonso, and F. Carino, New York, N. Y. Parachute construction for aeroplanes. 1,796,838; Mar. 17.
Foo, Lee S., Manchester, N. H. Automatic humidifier. 1,828,702; Oct. 20.
Food Machinery Corporation. (See Ames, William H., assignor.)
Food Machinery Corporation. (See Cushman, Everett B., assignor.)
Food Machinery Corporation. (See McDill, Rex D. O., assignor.)
Food Machinery Corporation. (See Sells, Ogden S., assignor.)
Food Machinery Corporation. (See Slater, Henry B., assignor.)
Foote, George A., Miami, Okla. Automatic belt guide. 1,815,099; July 21.
Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company, New York, N. Y. Brake mechanism for typewriting machines. 1,787,573; Jan. 6.
Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Combined recording and computing machine. 1,807,906; June 2.
Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Key and actuator lock for writing adding machines. 1,811,227; June 23.
Foppl, Otto. (See v. Heydekampf, Gerd S., assignor.)
Foradas, Frank D., and T. Hasapes, Homestead, Pa. Hoist. 1,824,339; Sept. 22.
Foraline Products Inc. (See Enderlin, Richard P., assignor.)
Forbes, Bruce L., New Martinsville, W. Va. Straw holder and dispenser. 1,824,880; Sept. 29.
Forbes, Christine H., New York, N. Y., assignor to Phoenix Hosiery Company, Milwaukee, Wis. Stocking. Des. 85,519; Nov. 10.
Forbes, Edward A., West Palm Beach, Fla. Sea wall. 1,811,005; June 23.
Forbes, George W., assignor of one-half to F. H. Dam, San Francisco, Calif. Shock-absorbing tool handle 1,794,008; Feb. 24.
Forbes, Henry C., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Radiant energy receiving system. 1,809,967; June 16.
Forbes, Henry C., assignor to Zenith Radio Corporation, Chicago, Ill. System of radio communication. 1,828,529; Oct. 20.
Forbes, Henry C., assignor to Zenith Radio Corporation, Chicago, Ill. Radio receiving system. 1,836,461; Dec. 15.
Forbes, Jas. H., Tea & Coffee Company. (See Hornaday, Waller C., assignor.)
Forbes, John R., South Orange, N. J. Dumping grate. 1,833,780; Nov. 24.
Forbes, John S., Philadelphia, Pa., assignor, by mesne assignments, to Yates & Grant, Inc., Detroit, Mich. Magnetic razor conditioning and device therefor. 1,795,717; Mar. 10.
Forbes Lithograph Manufacturing Company. (See Paige, P. F., and Blood, assignors.)
Forbes, Tremayne. (See Harris, Harry, assignor.)
Forby, Theodore. (See Kesler, N. T., and Forby.)
Forby, Theodore, and J. R. Sourby, Zion, Ill. Bakers' apparatus. 1,832,374; Nov. 17.
Force, Harold W. (See Force, Raymond C. and H. W.)
Force, Raymond C., Piedmont, and H. W. Force, Oakland, assignors to California Corrugated Culvert Co., Berkeley, Calif. Flood gate. 1,837,658; Dec. 22.
Force, Wm. A., & Company. (See Spielman, Charles, assignor.)
Ford, Albert G., Aurora, Ill., assignor, by mesne assignments, to Reynolds Gas Regulator Co., Anderson, Ind. Automatic gas governor loader. 1,809,930; June 16.
Ford, Bruce, Philadelphia, Pa. Storage battery terminal post structures. 1,833,395; Nov. 24.
Ford, Bruce, Philadelphia, Pa. Primary electric battery. 1,837,361; Dec. 22.
Ford, Burdette E., assignor to The Sterolene Company, Chicago, Ill. Egg treating machine. 1,814,680; July 14.
Ford, Carrie W. (See Manville, George D., assignor.)
Ford, Clifton S., Ecorse, Mich. Automobile top construction. 1,826,871; Oct. 13.

Ford, David O., assignor of forty-nine per cent to A. C. Hare and D. H. Cornette, Norfolk, Va. Condiment container. 1,835,858; Dec. 8.
Ford, Earl P. (See Valley, J. S., and Ford.)
Ford, Edward J., Spokane, Wash. Pneumatic headgear. 1,833,708; Nov. 24.
Ford, Eugene A., Scarsdale, assignor to The Tabulating Machine Company, Endicott, N. Y. Card sorting machine. 1,817,511; Aug. 4.
Ford, Eugene A., Scarsdale, assignor to The Tabulating Machine Company, Endicott, N. Y. Counting attachment for accounting machines. 1,830,756; Nov. 10.
Ford, Ezra, Tarrant, Ala. Spike puller. 1,830,269; Nov. 3.
Ford, Francis D., Delaware, Ohio. Gas burner. 1,830,356; Nov. 3.
Ford, George F., Los Angeles, and W. F. Pittman, Huntington Park, assignors to Fibreboard Products Inc., San Francisco, Calif. Forming mechanism. 1,806,895; May 26.
Ford, Hannibal C., Jamaica, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Intermittent drive. 1,811,624; June 23.
Ford, Hannibal C., Jamaica, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Fire control system. 1,813,534; July 7.
Ford, Hannibal C., Jamaica, assignor to Ford Instrument Company, Inc., New York, N. Y. Range and bearing keeper. 1,827,812; Oct. 20.
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Piston for internal-combustion engine. 1,788,668; Jan. 13.
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Vehicle construction. 1,789,971; Jan. 27.
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Brake. 1,793,920; Feb. 24.
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Brake. 1,793,921; Feb. 24.
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Grinding machine. 1,797,857; Mar. 24.
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Brake. 1,799,292; Apr. 7.
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Brake. 1,800,615; Apr. 14.
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Carburetor needle valve and choke valve controlling device. 1,802,913; Apr. 28.
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Speedometer drive mounting. 1,803,059; Apr. 28.
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Air cleaner. 1,803,751; May 5.
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Glass grinding machine. 1,803,752; May 5.
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Ignition system. 1,816,215; July 28.
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Airplane. 1,816,216; July 28.
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Cowl molding. 1,821,147; Sept. 1.
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Forming control rod ball joints. 1,824,810; Sept. 29.
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Brake rod support. 1,830,898; Nov. 10.
Ford Instrument Company. (See Ford, Hannibal C., assignor.)
Ford Instrument Company. (See Marsh, Harry S., assignor.)
Ford Instrument Company. (See Tanner, Harry L., assignor.)
Ford, James G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reconditioning oils. 1,818,218; Aug. 11.
Ford, James G., Wilkinsburg, and W. C. Wilharm, Edgewood, Pa., assignors to Westinghouse Electric and Manufacturing Company. Deoxidizer. 1,825,226; Sept. 29.
Ford, John L., assignor to Ford Meter Box Company, Wabash, Ind. Service line meter mounting. 1,820,656; Aug. 25.
Ford Meter Box Company. (See Ford, John L., assignor.)
Ford Motor Company. (See Farkas, Eugene J., assignor.)
Ford Motor Company. (See Ford, Henry, assignor.)
Ford Motor Company. (See Galamb, Joseph, assignor.)
Ford Motor Company. (See Goin, George R., assignor.)
Ford Motor Company. (See Hicks, Harold A., assignor.)
Ford Motor Company. (See Kamphausen, Carl C., assignor.)
Ford Motor Company. (See Karkas, Eugene J., assignor.)
Ford Motor Company. (See Ludwig, Frederick W., assignor.)
Ford Motor Company. (See Olsen, Niels H. F., assignor.)
Ford Motor Company. (See Pioch, W. F., and Martin, assignors.)
Ford Motor Company. (See Riemenschneider, Ernest, assignor.)
Ford Motor Company. (See Sheldrick, Lawrence S., assignor.)
Ford Motor Company. (See Sorensen, Charles E., assignor.)
Ford Motor Company. (See Stout, William B., assignor.)
Ford Motor Company. (See Wharam, John J., assignor.)
Ford Motor Company of Canada, Limited. (See McWilliams, Alexander, assignor.)
Ford, Stanley T., and H. L. Doudna, Delevan, Wis. Circuit breaker. 1,834,833; Dec. 1.
Ford, T. B., Limited. (See Vivian, George S., assignor.)
Ford, William W., Oklahoma City, Okla. Drafting instrument. 1,814,441; July 14.
Fordyce, Bert M., Anaheim, Calif. Disintegrating apparatus for road-surfacing materials. 1,791,865; Feb. 10.
Fordyce, Edward A., Cedar Rapids, Iowa. Change-speed device. 1,800,062; Apr. 7.
Fordyce, Harriet, St. Louis, Mo. Garden tool. 1,798,249; Mar. 31.
Foreman, Amos L., Chicago, Ill. Protector for containers. 1,790,299; Jan. 27.
Foreman, Edwin H., New York, N. Y. Swimming garment. 1,813,043; July 7.
Foreman, James W. (See Foreman, Lemuel R., and J. W.)
Foreman, Lemuel R. and J. W., Elizabeth City, N. C. Sawmill mounting. 1,791,406; Feb. 3.
Foremost Fabrics Corporation. (See Bickel, Oscar C., assignor.)
Foremost Fabrics Corporation. (See Nathan, Benjamin, assignor.)
Foren, Pehr A., Milwaukee, Wis. Rolling mill. 1,796,447; Mar. 17.
Forés, Fernando, Manila, Philippine Islands. Nostril insert. 1,819,884; Aug. 18.
Foresman, James W. (See Waddell, J. A., and Foresman.)
Foresman, Robert A., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Stoker. 1,805,618; May 19.
Foresman, Robert A., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Stoker. 1,806,554; May 19.
Foresman, Robert A., Moores, and D. J. Mosshart, Lansdowne, Pa., assignors to Westinghouse Electric and Manufacturing Company. Tuyère construction. 1,791,269; Feb. 3.
Forest City Manufacturing Company. (See Walster, Therese, assignor.)
Forester, Percy M., Berkeley, Calif. Burner tip for torches. 1,809,113; June 9.
Foretich, Clarence L., Warren, Ark. Display stand and shelving. 1,802,245; Apr. 21.
Forgrove Machinery Company, The. (See Grover, Frederick, assignor.)
Forichon, Alphonse, Paris, France. Automatic gear shift. 1,839,145; Dec. 29.
Forkardt, Paul, Dusseldorf-Oberkassel, Germany. Chuck. 1,832,480; Nov. 17.
Forker, Major T., Loomis, assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive booster apparatus. 1,813,392; July 7.
Forman, Benjamin. (See Forman, Solomon, assignor.)
Forman, Elizabeth M. (See Forman, Johathan C., assignor.)
Forman, Jonathan C., Bay Village, assignor to E. M. Forman, Brecksville, Ohio. Loose-leaf holder. 1,797,413; Mar. 24.
Forman, Laurence P., Oakmont, assignor to American Window Glass Company, Pittsburgh, Pa. Manufacture of sheet glass. 1,830,788; Nov. 10.
Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Combination door track and reversing switch. 1,792,420; Feb. 10.
Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. System for controlling signal lights and the like. 1,795,301; Mar. 10.
Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Treadle-controlled door. 1,799,966; Apr. 7.
Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Universal control valve. 1,818,703; Aug. 11.
Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Switch structure. 1,832,624; Nov. 17.
Forman, Solomon, New York, N. Y. Combined casserole and cover or similar article. Des. 83,251; Feb. 10.
Forman, Solomon, New York, assignor of one-half to B. Forman, Brooklyn, N. Y. Apparatus for making coffee. 1,792,218; Feb. 10.
Forman, William O., Fitchburg, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Scrap chopper. 1,797,950; Mar. 24.
Formaneck, Fred, Chicago, Ill. Therapeutic heating appliance. 1,835,034; Dec. 8.
Formed Steel Products Company, The. (See Priddy, Thomas D., assignor.)
Fornaca, Guido, deceased; L. Fornaca, executor, assignor to Fiat Societa Anonima, Turin, Italy. Simultaneously operating the valves in internal combustion engines. 1,836,111; Dec. 15.
Fornaca, Luigi, executor. (See Fornaca, Guido.)
Forney, Cal A., Peru, Ind. Folding ironing board. 1,836,913; Dec. 15.
Forney, Charles, assignor to W. R. Chapman, jr., Philadelphia, Pa. Clothespin assembling machine. 1,830,021; Nov. 3.
Forney, Clarence H., Jersey City, N. J., assignor to Sonoco Products Company, Hartsville, S. C. Paper packing spool. 1,829,642; Oct. 27.

Forney, Clarence H., Jersey City, N. J., assignor to Sonoco Products Company, Hartsville, S. C. Paper packing spool. 1,829,643; Oct. 27.
Forney Combustion Engineering Company. (See Forney, Ross H., assignor.)
Forney, Ross H., assignor to Forney Combustion Engineering Company, Dallas, Texas. Oil and steam burner nozzle. 1,799,551; Apr. 7.
Forney, Ross H., assignor to Forney Combustion Engineering Company, Dallas, Tex. Steam atomizing oil burner. 1,820,352; Aug. 25.
Forrer, Max., Paris, France, assignor to Anode Rubber Company Limited, Guernsey, England. Production of highly viscous aqueous dispersions of rubber, gutta percha, and balata. 1,825,515; Sept. 29.
Forrest, E. Arnold, et al. (See Best, A. E., and Zook, assignors.)
Forrest, John H., assignor to The Universal Lifting Appliance Co., Seattle, Wash. Ejector. 1,806,287; May 19.
Forrest, John W., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical system for colorimeters and the like. 1,806,621; May 26.
Forrest, Robert J., Port Angeles, Wash. Angle indicator for aircraft. 1,820,791; Aug. 25.
Forrest, Thomas W. W., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Conditioning apparatus. 1,795,302; Mar. 10.
Forrest, Thomas W. W., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Prune pitter. 1,810,954; June 23.
Forrest, Thomas W. W., assignor to Sun Maid Raisin Growers of California, Fresno, Calif. Treating dried fruit particularly raisins. 1,823,265; Sept. 15.
Forrest, William S., Chicago, Ill. Ice-cream and confectionery container. 1,800,990; Apr. 14.
Forrester, Charles D., et al. (See Johnson, Dayton R., assignor.)
Forrester, Michael J., Astoria, N. Y., assignor to Fifth Avenue Coach Company. License plate holder. 1,829,824; Nov. 3.
Forrester, Samuel C., Atlanta, Ga., assignor to Fulton Bag & Cotton Mills. Tent. 1,820,002; Aug. 18.
Forrey, George C., jr. (See Bugbee, Lucian W., jr., assignor.)
Forrow, Elwin W., Los Angeles, Calif. Overshot for well fishing. 1,794,226; Feb. 24.
Forsberg, Edwin, San Jose, Calif. Can seaming machine. 1,813,350; July 7.
Forsberg, Gustav A., assignor to Gulbransen Company, Chicago, Ill. Pedal construction and mounting. 1,803,502; May 5.
Forsberg, Harold S., Stratford, and J. Donnelly Branford, Conn.; said Donnelly assignor to said Forsberg. Saw frame. 1,817,980; Aug. 11.
Forsberg, Oscar F. (See Goff, H. W., and Forsberg.)
Forse, Edwin B., Metuchen, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y. Insulating refractory. 1,798,934; Mar. 31.
Forse, William T., London, England, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Sound reproducing machine. 1,810,955; June 23.
Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Support for electric heating units. 1,820,696; Aug. 25.
Forshee, Russell E. (See Spillman, Edward T., assignor.)
Forshey, Elmore A., New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Diagnostic instrument. 1,807,520; May 26.
Forsman, Victor H., Detroit, A. J. Decker and A. W. Edwards, assignors to All-Metal Products Company, Wyandotte, Mich. Repeating air gun. 1,817,745; Aug. 4.
Forssberg, Carl F. W. (See Cotler, A., and Forssberg.)
Forst, Oswald, Solingen, Germany. Milling machine for milling slots by slabbing cutters or end mills. 1,800,991; Apr. 14.
Forster, Albert G. (See Kessler, F., and Forster.)
Forster, Albert O. and P. M., assignors of one-fourth to T. I. Forster and one-fourth to T. L. Kelly, Berkeley, Calif. Trap nest. 1,792,734; Feb. 17.
Forster, Jeremiah C., Forestburg, Alberta, Canada. Building insulator. 1,830,831; Nov. 10.
Forster Manufacturing Company. (See Engstrom, Birger, assignor.)
Forster Manufacturing Company. (See Gormly, Samuel, assignor.)
Forster, Percy M. (See Forster, Albert C. and P. M.)
Forster, Percy M., Berkeley, Calif. Blowtorch. 1,800,616; Apr. 14.
Forster, Percy M. Berkeley, Calif. Torch nozzle. 1,800,617; Apr. 14.
Forster, Thomas E., Wichita, Kans. Apparatus for dislodging hard-pressed flour from bran. 1,828,247; Oct. 20.
Forster, Thomas I., et al. (See Forster, Albert O. and P. M., assignors.)
Forster, William D., Glenside, Pa. Automatic charge-control unit for storage batteries. 1,794,400; Mar. 3.
Forstner, William, assignor to Forstner Chain Corporation, Irvington, N. J. Flexible metallic strap. 1,808,920, June 9.
Forsyth, George H., Chicago, Ill., assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich. Disk wheel. 1,816,643; July 28.
Forsyth, Harry, Prosser, Wash. File guide. 1,829,588; Oct. 27.
Forsyth, I. Roy, Spokane, Wash. Saw. 1,811,079; June 23.
Forsyth, Louis N., New Iberia, La. Ornament for automobile radiator caps or the like. Des. 83,039; Jan. 13.
Forsyth Metal Goods Company. (See Blake, George E., assignor.)
Forter, Samuel A., Bellevue, assignor to H. L. Dixon Company, Pittsburgh, Pa. Making sheet glass. 1,824,474; Sept. 22.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Distributor ring. 1,799,977; Apr. 7.
Fortier, Charles L., assignor to Johnson Service Company, Milwaukee, Wis. Control system for temperature humidity, and the like. Re17,928; Jan. 13.
Fortier, James G., assignor to Ribbon-Ink Co., Inc., Chicago, Ill. Ribbon inking device. 1,804,976; May 12.
Fortin, Jean B., et al. (See Thibault, Adelbert, assignor.)
Fortman, Gustave D., Philadelphia, Pa. Leather composition. 1,829,511; Oct. 27.
Fortner, Fred, Gladwin, Mich. Basket reed connecting machine. 1,816,674; July 28.
Fortney, Brauddus B., Louisville, Ky. Combined radio and clock cabinet. Des. 83,724; Mar. 24.
Fort Pitt Bedding Company. (See Wolf, Harry E., assignor.)
Fort Pitt Malleable Iron Company. (See Holmes, Edward H., assignor.)
Fortson, Asa L., Melvin, assignor of one-fourth to S. W. Hughes, Brady, Tex. Stalk cutter attachment. 1,810,415; June 16.
Fortuna-Werke Spezialmaschinenfabrik Aktiengesellschaft. (See Bastian, Paul, jr., assignor.)
Fortune, James C., New York, N. Y. Well drilling apparatus. 1,807,837; June 2.
Fortune, James C., New York, N. Y. Back pressure valve. 1,814,549; July 14.
Fortune, John A., St. Louis, assignor of one-third to E. Schaaf, St. Marys, and one-third to David E. Whitson, St. Louis, Mo. Compressor for corrosive gases. 1,801,419; Apr. 21.
Fortune, Robert O., Los Angeles, Calif. Intermittent control mechanism. 1,804,051; May 5.
Forville, Constant., Seraing, Belgium. Rotary-mixing machine. 1,812,146; June 30.
Forward, Worthy J. (See Roberts, R. R., and Forward.)
Forward, Worthy J. F., and R. R. Roberts, assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Milling machine. 1,825,721; Oct. 6.
Forward, Worthy J. F., and S. A. Harding, assignors to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Hydraulically driven lathe for car wheel axles and the like. 1,825,722; Oct. 6
Fosdick, Edie L., Pontiac, Ill. Mechanical hoist end gate. 1,826,513; Oct. 6.
Fosdick Machine Tool Company, The. (See De Reo, William C., assignor.)
Fosnay, Arthur, and C. Lovelace, Aberdeen, Wash. Bridge grate. 1,807,907; June 2.
Foshay, W. B., Company. (See Magney, G. R., Tusler, and Arnal.)
Fosnaugh, George S., Compton, and H. H. Thrasher, Southgate, Calif. Core drilling attachment. 1,804,682; May 12.
Foss, Benjamin F., Portland, Me. Mail-box door plate and cover. 1,794,069; Feb. 24.
Foss, Benjamin F., Portland, Me. Mail-receiving device for doors. 1,824,881; Sept. 29.
Foss, Erling C. (See Bellem, L. H. L., and Foss.)
Foss, Orlando W., Melrose, Mass. Collapsible padded box. 1,816,321; July 28.
Foss, William A., assignor to American Fork & Hoe Company, Cleveland, Ohio. Fishing reel. 1,811,266; June 23.
Fosse, Roberta S. (See Avery, Percy C., assignor.)
Fosseen, Arthur B. (See Rasmussen, Albert E., assignor.)
Fosseen, Arthur B., assignor to Washington Brick, Lime & Sewer Pipe Co., Spokane, Wash. Roof construction. 1,836,657; Dec. 15.
Fossett, Carleton W., South Barre, Mass. Airplane. 1,790,658; Feb. 3.
Foster, Albert F., Philadelphia, Pa., assignor to F. F. Slocomb & Co. Inc., Wilmington, Del. Attachment for sheet measuring machines. 1,815,248; July 21.
Foster, Arthur B. (See Acree, Solomon F., assignor.)
Foster, Arthur L., Middletown, N. J., assignor to Manifold Supplies Company, Brooklyn, N. Y. Ink ribbon winding and measuring mechanism. 1,812,588; June 30.
Foster, Boutwell H., Maplewood, N. J., and K. B. Cook, Winnsboro, S. C., assignors to The Mechanical Rubber Company, Cleveland, Ohio. Pile or tufted sheet fibrous material. 1,816,574; July 28.
Foster, Boutwell H., Maplewood, N. J., and K. B. Cook, Winnsboro, S. C., assignors to The Mechanical Rubber Company, Cleveland, Ohio. Loop forming machine. 1,830,463; Nov. 3.
Foster Brothers Manufacturing Company. (See Foster, William B., assignor.)
Foster Bros. Manufacturing Company. (See Frank, William E., assignor.)
Foster, Chauncey C., et al. (See Snodgrass, Joseph C., assignor.)

Foster, Claud M. (See Grayson, R. V., and Foster.)
Foster, Edward E., Beverly, Mass., assignor, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Lasting jack positioning device. 1,829,000; Oct. 27.
Foster, George K., Minneapolis, Minn. Antifrost device. 1,830,789; Nov. 10.
Foster, Harold B., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Flaked phthalic anhydride. 1,817,304; Aug. 4.
Foster, Henry A., Des Moines, Iowa. Flower vase. 1,823,732; Sept. 15.
Foster, Ira L. (See Plaxco, F. R., and Foster.)
Foster, Ira L., Fort Dodge, Ia. Grave-vault structure. 1,799,586; Apr. 7.
Foster, Lee R., River Edge, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Duplex telegraph system. 1,826,928; Oct. 13.
Foster, Leon V., assignor to Bausch & Lomb Optical Co., Rochester, N. Y. Illuminating means. 1,788,712; Jan. 13.
Foster, Leon V., assignor to Bausch & Lomb Optical Co., Rochester, N. Y. Ophthalmic lens. 1,819,325; Aug. 18.
Foster, Leon V., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical system. 1,833,073; Nov. 24.
Foster, Leon V., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Sound reproducing apparatus. 1,833,074; Nov. 24.
Foster, Leon V., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Sound reproducing apparatus. 1,833,075; Nov. 24.
Foster, Leon V., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Goggle lens. 1,835,483; Dec. 8.
Foster Machine Company. (See Foster, William H., assignor.)
Foster Machine Company. (See McKean, John O., assignor.)
Foster, Myrtle G., Portland, Oreg. Washtub. 1,794,285; Feb. 24.
Foster, Noble D., Whittier, assignor of three-fourths to J. W. MacClatchie, Compton, Calif. Rotary underreamer. 1,837,423; Dec. 22.
Foster, Oscar C., Picardsville, Alberta, Canada. Hair clipper. 1,794,761; Mar. 3.
Foster, Peter W. (See Kellogg, J. L., Foster, Poole, and Raymer.)
Foster, Ralph H., assignor of one-fourth to C. J. Bohner, Burkburnett, Tex. Minnow bucket. 1,794,842; Mar. 3.
Foster, Theodore W., & Bros. Co. (See Foster, William C., assignor.)
Foster, Theodore W. & Bro. Co. (See Noble, Arthur H., assignor.)
Foster, Theodore W., & Bro. Co. (See Parkin, Winfred T., assignor.)
Foster, Thomas J., Ridgewood, N. J. Building slab and wall construction. 1,825,346; Sept. 29.
Foster, Wade H., Bad Axe, Mich. Liquid-purification apparatus. 1,800,517; Apr. 14.
Foster, Walter W., Wichita Falls, Tex. Casing spinning apparatus for drilling rigs. 1,826,760; Oct. 13.
Foster, Walter W., Wichita Falls, Tex. Friction control for casing spinning apparatus. 1,831,853; Nov. 17.
Foster, Walter W., assignor to Hill & Foster Company Incorporated, Wichita Falls, Tex. Automatic power driven pipe wrench. 1, 811,666; June 23.
Foster Wheeler Corporation. (See Bell, John E., assignor.)
Foster Wheeler Corporation. (See Bell, J. E., and Anderson, assignors.)
Foster Wheeler Corporation. (See Blizard, John, assignor.)
Foster Wheeler Corporation. (See Buell, Wales S., assignor.)
Foster Wheeler Corporation. (See Dowd, Wyllys E., jr., assignor.)
Foster Wheeler Corporation. (See Irish, David J., assignor.)
Foster Wheeler Corporation. (See Keenan, Walter F., jr., assignor.)
Foster Wheeler Corporation. (See Nelis, Joseph J., assignor.)
Foster Wheeler Corporation. (See Oxer, George C., assignor.)
Foster Wheeler Corporation. (See Primrose, John, assignor.)
Foster Wheeler Corporation. (See Reigart, Chauncey, assignor.)
Foster Wheeler Corporation. (See Sengstaken, John H., assignor.)
Foster Wheeler Corporation. (See Sieder, Everett N., assignor.)
Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Spring cushion construction. 1,805,817; May 19.
Foster, William C., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Golf score card holder. 1,815,024; July 14.
Foster, William E., Cleveland Heights, Ohio. Sound-absorbing structure. 1,805,210; May 12.
Foster, William H., assignor to Foster Machine Company, Elkhart, Ind. Hydraulic speed control for lathes. 1,795,018; Mar. 3.
Fostoria Glass Company. (See Bottome, Edgar M., assignor.)
Fostoria Glass Company. (See Sakier, George, assignor.)
Fostoria Glass Company. (See Stahl, Eugene, assignor.)
Fostoria, Inc. (See Hawe, William F. M., assignor.)
Fote, W. D., et al. (See Sheckels, R. C., and Carson, assignors.)
Foth, Carl F., Berlin, Germany. Photographic shutter. 1,816,964; Aug. 4.
Foth, Peter, Rowne, Poland, assignor to the firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Internal-combustion engine operating on the two-stroke cycle. 1,796,094; Mar. 10.
Fothergill, Thomas R. (See Nicolas, H. B., and Fothergill.)
Fotheringham, Ignacio H., Rio Cuarto, Argentina. Type of articulated and dismountable lifting jack. 1,821,627; Sept. 1.
Foti, Charles, assignor of one-eleventh to A. Saulle, one-eleventh to R. Posteraro, one-eleventh to D. Verteramo, one-eleventh to M. Guidice, one-eleventh to B. Gatto, one-eleventh to S. Porco, Arnold, one-eleventh to S. Tamburo, one-eleventh to G. Tamburo, one-eleventh to R. Miraglia, and one-eleventh to A. Gatto, New Kensington, Pa. Collapsible tube cap. 1,839,021; Dec. 29.
Föttinger, Hermann, Berlin-Wilmersdorf, Germany, and K. Frey, Danzig-Langfuhr, Free State of Danzig. Arrangement for reducing losses of flow in conjunction with media flowing relatively to resting or moving walls. 1,837,901; Dec. 22.
Fouch, James R., Los Angeles, Calif. Microphone radio cut-out switch. 1,814,470; July 14.
Fougner, Hermann, Larchmont, N. Y. Building construction. 1,797,082; Mar. 17.
Fougstedt, Louis F., Bedford, and J. J. Bjork, Medford, Mass. Asparagus cutter. 1,835,293; Dec. 8.
Foulder, Henry B., Glenbrook, Conn. Bag tying machine. 1,821,506; Sept. 1.
Foulder, Henry B., Glenbrook, Conn. Tie twisting tool. 1,822,136; Sept. 8.
Foulder, Henry B., Glenbrook, Conn. Bag tying machine. 1,822,137; Sept. 8.
Foulder, Henry B., Glenbroook, Conn. Bag feeding means. 1,823,442; Sept. 15.
Foulder, Henry B., Glenbrook, Conn. Bag feeding means. 1,823,597; Sept. 15.
Foulder, Henry B., Glenbrook, assignor of one-half to J. P. Curry, Riverside, Conn. Apparatus for sealing articles with wire. 1,795,486; Mar. 10.
Foulder, Henry B., Glenbrook, Conn., assignor of one-half to J. P. Curry, Riverside, Conn. Bottle capping and sealing machine. 1,809,587; June 9.
Foulds, Charles V. (See Orton, E. W., and Foulds.)
Foulds, Reginald P., Spokane, Wash. Sanitary seat cover. 1,801,665; Apr. 21.
Foulk, Theodore M., assignor to Public Service Company of Colorado, Denver, Colo. Apparatus for cleaning gas. 1,807,521; May 26.
Foulke, Frank P., Indianapolis, Ind. Speed-changing mechanism. 1,788,946; Jan. 13.
Foulke, Roy D., Warsaw, Ind., assignor to Winifred De Puy Leiter. Surgical splint. 1,797,057; Mar. 17.
Foulke, Ted E., Cleveland, Ohio, assignor to General Electric Company. Filament for incandescent lamps. 1,800,012; Apr. 7.
Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Vapor discharge device. 1,832,009; Nov. 17.
Foulks, Robert, assignor to The Timken Roller Bearing Company, Canton, Ohio. Removable bearing mounting. 1,820,017; Aug. 25.
Fountain, Joseph N., assignor to Old Colony Envelope Company, Westfield, Mass. Envelope lining machine. 1,837,769; Dec. 22.
Fountain, Livingston, New York, N. Y. Lock tab easel. 1,830,270; Nov. 3.
Fountain Products Corporation. (See Bemis, Ken E., assignor.)
Fountainette Development Corporation. (See Spector, S., and Brandfon, assignors.)
Fouquet, William F., assignor to Projection Optics Co., Rochester, N. Y. Coupling for lens mounts. 1,831,557; Nov. 10.
Fourcade, Henry G., Humansdorp, Cape Colony, South Africa. Photographic surveying. 1,793,217; Feb. 17.
Fourness Development Corporation, The. (See Fourness, Wilfred, assignor.)
Fourness, Wilfred, Oakland, Calif., assignor to The Fourness Development Corporation, New York, N. Y. High speed compressor. 1,819,285; Aug. 18.
Fourness, Wilfred, Oakland, Calif., assignor, by mesne assignments, to The Fourness Development Corporation, New York, N. Y. Expansion valve control. 1,830,022; Nov. 3.
Fournet, Sidney C., New Orleans, La. Tire carrier. 1,797,645; Mar. 24.
Fournier, George. (See Lemoine, D., and Fournier, assignors.)
Four-Way Lock Company, The. (See Muzzio, Joseph P., assignor.)
Fouse, Jacob J., Akron, Ohio. Fireplace. 1,824,263; Sept. 22.
Fouse, William J., Austwell, Tex. Indicator for cotton presses. 1,816,252; July 28.
Fouth, Edward F., et al. (See Sunday, James J., assignor.)

Fouth, John E., et al. (See Sunday, James J., assignor.)
Fouts, Samuel E., Los Angeles, Calif. Heating system. 1,828,038; Oct. 20.
Foutz, Clinton R., Baltimore, Md. Cooling system for marine and other engines. 1,790,578; Jan. 27.
Foutz, Clinton R., Baltimore, Md. Method of and apparatus for cooling engines. 1,790,579; Jan. 27.
Foutz, David F., Baltimore, Md. Radiator condenser. 1,799,552; Apr. 7.
Foval, Lotus, Maplewood, Mo. Anchor for typewriters. 1,809,685; June 9.
Fowell, Glen, Richland Center, Wis. Plunger for farm pumps. 1,799,415; Apr. 7.
Foweraker, Thomas S. (See Robinson, P. G., Foweraker, Beasley, and Sargent.)
Fowle, Frank F., Kenilworth, Ill., assignor to Indiana Steel & Wire Company, Muncie, Ind. Wire cable. 1,821,887; Sept. 1.
Fowle, Frank F., Kenilworth, Ill., assignor to Indiana Steel & Wire Company, Muncie, Ind. Composite wire cable. 1,821,908; Sept. 1.
Fowler, Alfred B., deceased, by M. F. Fowler, administratrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,814,550; July 14.
Fowler, Arno W., Highland, Ill. Clock winding mechanism. 1,806,969; May 26.
Fowler, Charles H., Eugene, Oreg. Road signal. 1,813,890; July 7.
Fowler, Clarence B., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Party-line message-register system. 1,799,223; Apr. 7.
Fowler, Clarence B., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,804,408; May 12.
Fowler, Clarence B., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,804,409; May 12.
Fowler, Clarence B., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical circuits. 1,832,292; Nov. 17.
Fowler, Clarence B., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone metering system. 1,832,453; Nov. 17.
Fowler, Clarence B., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,834,393; Dec. 1.
Fowler, Del Roy F., Melrose Park, Pa. Reversible spring center mattress. 1,835,212; Dec. 8.
Fowler, Dottie D., Seattle, Wash. Crochet rack. 1,816,081; July 28.
Fowler, Edith M., executrix. (See Fowler, Edward J.)
Fowler, Edith M., executrix. (See Fowler, E. J., and Baird.)
Fowler, Edward J., deceased, by E. M. Fowler, Redwood City, executrix, and D. Baird, Berkeley, Calif., assignors to Nicholas Copper Company, New York, N. Y. Roasting furnace. 1,805,659; May 19.
Fowler, Edward J., deceased, by E. M. Fowler executrix, Redwood City, and D. Baird, Berkeley, Calif., assignors to Nichols Copper Company, New York, N. Y. Roasting apparatus. 1,825,947; Oct. 6.
Fowler, Frank E., Athens, Ga. Adjustable sirup measuring cup. 1,811,785; June 32.
Fowler, Frank E., Athens, Ga. Printing machine. 1,817,812; Aug. 4.
Fowler, Frank E., Athens, Ga. Bottle filling machine. 1,830,536; Nov. 3.
Fowler, Fred D., Newton, Mass., assignor, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Method of and apparatus for embossing material and coloring embossed surfaces. 1,790,233; Jan. 27.
Fowler, Fred D., Newton, Mass., assignor, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Tire bead covering machine. 1,829,041; Oct. 27.
Fowler, Harry C., Canton, Ohio. Identification tag. 1,831,854; Nov. 17.
Fowler, Harry R., Toledo, Ohio. Traffic gate. 1,792,294; Feb. 10.
Fowler, Jane F., Santa Monica, Calif. Indoor clothesline. 1,793,790; Feb. 24.
Fowler, John E., Rosslyn, Va. Bottle. Des. 84,469; June 23.
Fowler, John W., Princeton, W. Va. Fuel saver for gasoline engines. 1,795,852; Mar. 10.
Fowler, Mary F., administratrix. (See Fowler, Alfred B.)
Fowler, Mildred E., Kearney, Nebr. Electric-clipper holder and sterilizer. 1,789,648; Jan. 20.
Fowler, Morris G., and D. Niconoff, Clarkdale, Ariz., assignors to United Verde Copper Company. Dezincing mattes and slags. 1,822,396; Sept. 8.
Fowler, Morris G., O. C. Ralston, and C. R. Kuzell, assignors to United Verde Copper Company, Clarkdale, Ariz. Recovering copper from slags. 1,822,588; Sept. 8.
Fowler, Ralph S., San Francisco, Calif. Fastening means for belts. Re18,232; Oct. 20.
Fowler, Robert E., Cleveland, Ohio. Safety device. 1,836,462; Dec. 15.
Fowler, Robert G. (See Parker, Francis F., assignor.)
Fowler, Robert R. (See Arano, George, assignor.)
Fowler, Truman S., Boothbay Harbor, Me. Ash tray. Des. 85,039; Sept. 8.
Fowlkes, Thomas W., et al. (See Parrish, Washington B., assignor.)
Fox, Ansley H., Atlantic City, N. J., assignor to Self Lighting Cigarette Corporation of America. Cigarette lighter. 1,836,312; Dec. 15.
Fox, Arah C., Grand Rapids, Mich. Lubricator. 1,807,691; June 2.
Fox, Arthur L. (See Lubs, H. A., and Fox.)
Fox, Arthur O., and J. A. Keenan, assignors, by mesne assignments, to General Laboratories, Inc., Madison, Wis. Container stopper. 1,814,141; July 14.
Fox Automotive Products Corporation. (See Henke, Frederick W., jr., assignor.)
Fox Case Corporation. (See Balsley, James R., assignor.)
Fox Case Corporation. (See Sponable, Earl I., assignor.)
Fox-Case Corporation. (See Sponable, E. I., and Brace, assignors.)
Fox-Case Corporation. (See Wall, John M., assignor.)
Fox, Charles A., Deer Lodge, Mont. Electric switch. 1,817,244; Aug. 4.
Fox, Charles G., London, England. Apparatus for distributing materials on road and other surfaces. 1,822,207; Sept. 8.
Fox, Charles H., assignor to Millers Falls Company, Millers Falls, Mass. Clamping lever for planes. 1,822,520; Sept. 8.
Fox Company. (See Russell, Frederick T., assignor.)
Fox, David, Bronx, N. Y. Method and means for producing castellated nuts and the like. 1,829,215; Oct. 27.
Fox, Edgar N., assignor to The Garlock Packing Company, Palmyra, N. Y. Packing. 1,809,407; June 9.
Fox, Edgar N., assignor to The Garlock Packing Company, Palmyra, N. Y. Piston rod packing and scraping device. 1,828,178; Oct. 20.
Fox, Edgar N., and E. Hampshire, assignors to The Garlock Packing Company, Palmyra, N. Y. Piston rod packing and scraping means. 1,822,521; Sept. 8.
Fox, Emmett L., Hinton, W. Va. Connection mold. 1,833,896; Dec. 1.
Fox, Francis S. (See Pouchain, R. A., and Fox.)
Fox Film Corporation. (See Balsley, James R., assignor.)
Fox Film Corporation. (See Kohlmeier, George J., assignor.)
Fox, Frederick L., Washington, D. C., and F. C. Gibson, Fairfax, Va. Amusement device. 1,800,934; Apr. 14.
Fox Furnace Company, The. (See Suppes, Max M., assignor.)
Fox, George E., Bayonne, N. J., assignor to The Chapman Valve Manufacturing Company, Indian Orchard, Mass. Valve. 1,800,251; Apr. 14.
Fox, George F. (See Cross, H. H., and Fox.)
Fox, Gordon, assignor to Freyn Engineering Company, Chicago, Ill. Electric bell hoist. 1,080,518; Apr. 14.
Fox, Guy, Denver, Colo. Chart. 1,806,156; May 19.
Fox, Harold E. (See Weyandt, C. S., and Fox.)
Fox, Harold E., Pittsburgh, Pa., assignor, by mesne assignments, to General Aviation Corporation, New York, N. Y. Wing pin fitting. 1,830,991; Nov. 10.
Fox, John, Regina, Saskatchewan, Canada. Gas generator. 1,790,139; Jan. 27.
Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Glass surfacing apparatus. 1,815,971; July 28.
Fox, John H., Pittsburgh, and H. F. Hitner, Oakmont, Pa., assignors to Pittsburgh Plate Glass Company. Process and apparatus for making composite glass. 1,806,846; May 26.
Fox, John H. and W. Owen, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company. Apparatus for making plate glass. 1,792,636; Feb. 17.
Fox, John H., and W. Owen, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company. Surfacing machine. 1,833,359; Nov. 24.
Fox, John H., and W. Owen, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company. Surfacing machine. 1,833,360; Nov. 24.
Fox, Leonard J., Cincinnati, Ohio. Automobile hood. Des. 84,330; June 9.
Fox, Leonard J., Cincinnati, Ohio. Attaching means. 1,790,638; Jan. 27.
Fox, Martin, assignor to The Seng Company, Chicago, Ill. Extension table. 1,793,391; Feb. 17.
Fox, Martin, Chicago, Ill., assignor to The Seng Company. Davenport bed. 1,809,812; June 9.
Fox, Martin, assignor to The Seng Company, Chicago, Ill. Chair. 1,815,617; July 21.
Fox, Maud C. (See Scott, I. G., and Fox.)
Fox, Otto, Cleveland, and W. E. Stark, East Cleveland, assignors to The Bryant Heater and Manufacturing Company, Cleveland, Ohio. Thermostatic control system for boilers. 1,797,571; Mar. 24.
Fox, Paul L., Lebanon, Pa., assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 85,092; Sept. 15.
Fox, Raymond W., New York, N. Y., and M. A. Guigou, Ridgewood, N. J. Valve. 1,802,205; Apr. 21.
Fox, Richard M., and H. E. Smith, assignors to Aerometric Valve Corporation, Portland, Oreg. Air-cleansing apparatus. 1,791,668; Feb. 10.
Fox, Rudolph H., Denver, Colo., assignor to The Vulcan Iron Works Company. Conveyer. 1,830,023; Nov. 3.
Fox, Stockwell & Company, Messrs. (See Fritsch, Hermann, assignor.)

Fox, Susan E., Paris, Tenn. Dispensing closure for containers. 1,804,760; May 12.
Fox, Vernie A., assignor to Young Brothers Company, Detroit, Mich. Oven and dip tank. 1,790,501; Jan. 27.
Fox, William, Vaudeville Company. (See Fried, Armin, assignor.)
Fox, William H., Minneapolis, Minn. Tennis racket. 1,828,109; Oct. 20.
Fox, William J., assignor to J. R. Kendrich Co., Inc., Philadelphia, Pa. Elastic fabric. 1,800,992; Apr. 14.
Foxboro Company, The. (See Bristol, Edgar H., assignor.)
Foxboro Company, The. (See Buckingham, Earle, assignor.)
Foxboro Company, The. (See Cook, Lyman, assignor.)
Foxboro Company, The. (See Frymoyer, Webster W., assignor.)
Foy, Edward N., Twin Buttes, Ariz., assignor of one-tenth to G. A. Kennedy, Denver, Colo. Plane. 1,825,859; Oct. 6.
Foyle, John W., assignor to Gustin-Bacon Manufacturing Co., Kansas City, Mo. Brake-rigging. 1,789,736; Jan. 20.
Fr. Hesser, Maschinenfabrik-Aktiengesellschaft. (See Gangler, Paul, assignor.)
Fracker, Henry E., Pasadena, Calif., assignor to Radio Corporation of America, New York, N. Y. Automatic phonograph stop. 1,792,735; Feb. 17.
Fractionator Company, The. (See D'Yarmett, Edward C., assignor.)
Fradette, Donald F., Cleveland, Ohio. Shingle. 1,826,761; Oct. 13.
Fraenkel, Ernst, Berlin, Germany. Injecting and delivering machine for mortar and other materials. 1,810,271; June 16.
Frahm, Carl A., and E. W. Riemenschneider, assignors to The Union Metal Manufacturing Company, Canton, Ohio. Sheet metal shaft. Re18,258; Nov. 24.
Frahm, Carl A., and E. W. Riemenschneider, assignors to The Union Metal Manufacturing Company, Canton, Ohio. Sheet metal shaft and making same. Re18,272; Dec. 8.
Frahm, Carl A., and E. W. Riemenschneider, assignors to The Union Metal Manufacturing Company, Canton, Ohio. Sheet-metal shaft. 1,789,972; Jan. 27.
Frailey, Irvin H., assignor to Sindber Manufacturing Compan, Windber, Pa. Windshield wiper. 1,823,598; Sept. 15.
Fraizer, Frank L. (See Mayo, F., and Fraizer.)
Fraizer, Mark, Chester, Okla. Sorghum crops topping tool. 1,809,931; June 16.
Frakes, James H. (See Burr, G. A., and Frakes.)
Fraley, George. (See Horton, R. G., and Fraley.)
Frame, Augustus J., assignor to Columbus Auto Brass Company, Columbus, Ohio. Automobile head lamp visor. Des. 84,280; June 2.
Frame, Augustus J., assignor to Columbus Auto Brass Company, Columbus, Ohio. Automobile head lamp visor. Des. 84,982; Sept. 1.
Frame, Augustus J., assignor to Franklin Oil Heating, Inc., Columbus, Ohio. Gas pilot for oil-burning apparatus. 1,789,973; Jan. 27.
Frame, Augustus J., assignor to The Columbus Auto Brass Company, Columbus, Ohio. Liquid measure. 1,808,029; June 2.
Frame, Robert, Canterbury, N. H. Spacing device for containers. 1,838,754; Dec. 29.
Frame, William J., London, England. Vacuum cleaner. 1,804,410; May 12.
France, Norman E., Lima, Ohio. Fuel saver for locomotives. 1,824,812; Sept. 29.
France, represented by the Minister of the National Navy, State of. (See Perrin, René, assignor.)
France, Wilbur K., Rock Creek, Oreg. Hay shocking machine. 1,833,282; Nov. 24.
Franchi, Emilio. (See Bignami, I., Galassini, Franchi, and Pons.)
Francis, Alfred W., Cambridge, Mass., assignor to Magnolia Petroleum Company, Galveston, Tex. Manufacture of carbon black. 1,820,657; Aug. 25.
Francis, Arnold H., Collegeville, Pa. Flag holder. 1,790,803; Feb. 3.
Francis, Charles B., Pittsburgh, Pa. Manometer. 1,790,044; Jan. 27.
Francis, Daniel R., assignor to The Waterbury Tool Company, Waterbury, Conn. Adjusting hydraulic gear drives. 1,806,340; May 19.
Francis, Daniel R., assignor to The Waterbury Tool Company, Waterbury, Conn. Apparatus for casting copper ingots and other articles. 1,809,623; June 9.
Francis, Daniel R., assignor to The Waterbury Tool Company, Waterbury, Conn. Automatically controlled mechanisms for traveling webs of materials. 1,815,100; July 21.
Francis, Earle V., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Conveyer. 1,792,533; Feb. 17.
Francis, Earle V., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Trolley conveyer. 1,809,748; June 9.
Francis, Earle V., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Trolley conveyer. 1,810,416; June 16.
Francis, Earle V., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Trolley conveyer. 1,810,417; June 16.
Francis, Earle V., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Trolley conveyer. 1,810,418; June 16.
Francis, Earle V., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Trolley conveyer. 1,810,419; June 16.
Francis, Earle V., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Takeup journal bearing. 1,837,260; Dec. 22.
Francis, Frederic W., and W. Cruickshank, London, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Counting or registering apparatus. 1,789,811; Jan. 20.
Francis, Henry, and F. Oliver, Hull, England. Draw off arrangement for liquid containers. 1,815,501; July 21.
Francis, Jacob R. (See Heginbottom, W. G., and Francis.)
Francis, Jacob R. (See Redmond, Albert G., assignor.)
Francis, Jacob R., Flint, Mich. Carburetor. 1,789,383; Jan. 20.
Francis, Jacob R., Flint, Mich. Carburetor. 1,808,843; June 9.
Francis, James H. E., Deptford, London, and R. C. Coath, Lewisham, London, England. Manufacture of containers and tubes from sheet metal. 1,796,015; Mar. 10.
Francis Keil & Son, Inc. (See Fetyk, Joseph F., assignor.)
Francis Keil & Son, Inc. (See Hansen, Herman, assignor.)
Francis, Oliver T., Quantico, Va. Transmission system. 1,819,599; Aug. 18.
Francis, William H. (See McGuinness, W. V., and Francis.)
Francis, William H. (See Thoke, A. R., and Francis.)
Francisco, George D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Separator. 1,798,978; Mar. 31.
Francisco, George H., Los Angeles, assignor of one-half to S. E. Davis, San Francisco, Calif. Fastening loop for buttons or the like. 1,812,330; June 30.
Franck, Erich J., Tucuman, Argentina. Production of cellulose and hydrocarbons from sugar cane sprouts and refuse and burnt and frozen cane. 1,832,375; Nov. 17.
Francken, Henri J. (See Perquin, J. J., and Francken.)
Franclare Company. (See Miller, Frank W., assignor.)
Franco-American Baking Co. (See Eseman, Walter H., assignor.)
Franco, Attilio, Milan, Italy. Heating apparatus for railway cars. 1,816,369; July 28.
Franco-British Electrical Company. (See Brackensey, Auguste H., assignor.)
Francois Cementation Company, The. (See Degenhardt, W. R., and de Fraine, assignors.)
Francois Cementation Company, The. (See Degenhardt, W. R., de Fraine, and Bicknell, assignors.)
Francoise, Edward C., assignor to Kalamazoo Vegetable Parchment Company, Kalamazoo, Mich. Preventing offset in printing. 1,831,624; Nov. 10.
Francotte, Jean R. P., Ixelles-Brussels, Belgium. Beacon for luminous signalization. 1,820,534; Aug. 25.
Francyk, George, Akron, Ohio. Sawing machine. 1,793,392; Feb. 17.
Francyk, George, Akron, Ohio. Sawing machine. 1,825,516; Sept. 29.
Frank, Alexander, New York, N. Y. Switch box support. 1,819,460; Aug. 18.
Frank, Benjamin M., and J. Basile, New York, assignors to Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y. Bed structure. 1,820,658; Aug. 25.
Frank, David S., Chicago, Ill. Fuel burner. 1,807,977; June 2.
Frank, Frederick C., assignor to Bendix Brake Company, South Bend, Ind. Shaft support. 1,838,820; Dec. 29.
Frank, George, Oswego, Ill. Safety device. 1,797,083; Mar. 17.
Frank, Harrison J. L., assignor to Bull Dog Electric Products Company, Detroit, Mich. Trim clamp. 1,797,765; Mar. 24.
Frank, Harrison J. L., assignor to Bulldog Electric Products Company, Detroit, Mich. Automatic control. 1,800,446; Apr. 14.
Frank, Harrison J. L., assignor to Bull Dog Electric Products Company, Detroit, Mich. Wiring trough flange. 1,815,840; July 21.
Frank, Harrison J. L., assignor to Bulldog Electric Products Company, Detroit, Mich. Fuse block. 1,833,158; Nov. 24.
Frank, Harrison J. L., and W. A. Harper, assignors to Bulldog Electric Products Company. Detroit, Mich. Duct for current distributing systems. 1,819,885; Aug. 18.
Frank, Harrison J. L., and W. A. Harper, assignors to Bulldog Electric Products Company, Detroit, Mich. Trolley for current distributing systems. 1,819,886; Aug. 18.
Frank, Harrison J. L., and P. S. Jenkins, assignors to Bull Dog Electric Products Company, Detroit, Mich. Switching device. 1,825,267; Sept. 29.
Frank, Harry S., Brooklyn, assignor to Vocational Adjustment Bureau, New York, N. Y. Fur-piece hanger. 1,795,086; Mar. 3.
Frank, Herbert, Kassel-Wilhelmshohe, Germany, assignor to The Superheater Company, New York, N. Y. Superheater header. 1,829,894; Nov. 3.
Frank, Isaac W., Pittsburgh, and F. C. Biggert, jr., Crafton, Pa., and T. J. Costello, Warren, Ohio, assignors to United Engineering & Foundry Company, Pittsburgh, Pa. Heating furnace. 1,834,304; Dec. 1.

Frank, Jacob, Cleveland, Ohio. Extricating and non-skid device for vehicle wheels. 1,837,708; Dec. 22.
Frank, John, Los Angeles, and B. J. Pick, Glendale, Calif. Disappearing table. 1,790,468; Jan. 27.
Frank, John C., Chicago, Ill. Radiator support. 1,794,949; Mar. 3.
Frank, John M., and S. Stack, assignor to Ilg Electric Ventilating Company, Chicago, Ill. Cabinet air heater. 1,827,512; Oct. 13.
Frank, Karl, and K. Dietz, Hochst-on-the-Main, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing acid-proof cementing or lining compositions. 1,818,888; Aug. 11.
Frank, Lee W., et al. (See Bowersox, Joseph W., assignor.)
Frank, Leo C., Forest Hills, Pa., assignor to Westinghouse Electric Manufacturing Company. Magnetically operated valve. 1,819,461; Aug. 18.
Frank, Leon, assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 83,099; Jan. 20.
Frank, M. C., et al. (See Geer, Paul L., assignor.)
Frank, M. C. (See Tuggy, Effie M., assignor.)
Frank, O. E., Heater & Engineering Co. (See Bennett, Clement K., assignor.)
Frank, O. E., Heater & Engineering Co. (See Frank, O. E., and Wilder, assignors.)
Frank, Olive E., Buffalo, and H. P. Wilder, Kenmore, assignors to O. E. Frank Heater & Engineering Co., Inc., Buffalo, N. Y. Heat interchanger. 1,810,165; June 16.
Frank, Paul A., Akron, Ohio. Safety razor. 1,820,218; Aug. 25.
Frank, Samuel K. (See Davis, Ray L., assignor.)
Frank, William E., assignor to Foster Bros. Manufacturing Company, St. Louis, Mo. Folding couch and the like. 1,798,462; Mar. 31.
Frank, William E., assignor to Foster Bros. Mfg. Company, St. Louis, Mo. Folding-bed structure. 1,798,463; Mar. 31.
Frankart, Inc. (See Abel, Max, assignor.)
Frankart, Inc. (See Cross, Louise, assignor.)
Frankart, Inc. (See Von Frankenberg, Arthur, assignor.)
Franke, George, Sons Company, The. (See Beneze, Henry H., assignor.)
Franke, Robert. (See Schmidt, M. P., Neugebauer, and Franke.)
Franke, Robert. (See Spröngerts, E., Schmidt, and Franke.)
Franke, William A., New York, N. Y. Automobile bumper. 1,792,157; Feb. 10.
Frankel, Berthold W., Brookline, Mass. Hair dressing booth. 1,805,240; May 12.
Frankel, Isidor, assignor to Commercial Furniture Co., Chicago, Ill. Typewriter desk. 1,838,087; Dec. 29.
Frankel, Nathan. (See Brooke, William, assignor.)
Frankenburger, Walter. (See Mittasch, A., Frankenburger, and Wietzel.)
Frankenstein, William P., Cincinnati, Ohio. Folding box. 1,810,956; June 23.
Frankford, Frank P., Ridgefield Park, N. J. Vehicle control apparatus. 1,815,557; July 21.
Frankfort, Alice. (See Frankfort, Harry and A.)
Frankfort, Harry and A., Brooklyn, N. Y. Adjustable valve lock. 1,823,891; Sept. 22.
Frankfurter Gasgesellschaft. (See Schumacher, Ernst, assignor.)
Frankhart, Inc. (See Underberg, Henry, assignor.)
Frankhart, Inc. (See von Frankenberg, Arthur, assignor.)
Frankignoul, Edgard, assignor to Compagnie Internationale Des Pieux Armes Frankignoul, Societe Anonyme, Liege, Belgium. Device for the production of piles of concrete and the like. 1,830,651; Nov. 3.
Fränkl, Mathias, Augsburg, Germany, assignor to P. A. Weydmann, Vienna, Austria. Metallic filling for cold accumulators. 1,808,921; June 9.
Frankland, Edwin, Milwaukee, Wis. Shock-absorbing universal joint. 1,787,779; Jan. 6.
Franklin, Albert M., New York, N. Y. Lighter. 1,830,967; Nov. 10.
Franklin, Albert W., New York, N. Y. Vacuum device. 1,814,681; July 14.
Franklin, Bernard S. (See Stern, J. B., and Franklin.)
Franklin, Bernard S., Troy, N. Y. Automatic combustion control. 1,802,317; Apr. 21.
Franklin, Bernard S., Troy, N. Y. Ratio recorder. 1,826,762; Oct. 13.
Franklin, Bernard S., New York, N. Y. Lighter. 1,830,968; Nov. 10.
Franklin, Charles B., and W. C. Fronk, assignors to Indian Motocycle Company, Springfield, Mass. Head bracket for motor-cycle frames. 1,797,722; Mar. 24.
Franklin, Charles S., Buckhurst Hill, England, assignor to Radio Corporation of America. Transmitting or receiving aerial system for wireless telegraphy or telephony. 1,821,380; Sept. 1.
Franklin, Charles S., Buckhurst Hill, England, assignor to Radio Corporation of America. Directional aerial system. 1,834,394; Dec. 1.
Franklin, Charles S., Buckhurst Hill, England, assignor to Radio Corporation of America. Wireless telegraph and telephone aerial. 1,821,936; Sept. 8.
Franklin Development Corporation. (See Burns, John L., assignor.)
Franklin Development Corporation. (See Marks, Edward S., assignor.)
Franklin Development Company. (See Oberhuber, William F., assignor.)
Franklin Development Corporation. (See Purdy, Lewis J., assignor.)
Franklin Equipment Company. (See Langer, Rudolph J., assignor.)
Franklin, H. H., Manufacturing Company. (See O'Connell, Herbert, assignor.)
Franklin, H. H., Manufacturing Company. (See Russell, Robert J., assignor.)
Franklin, Hubert F. (See Carlton, R. D., and Franklin.)
Franklin Knitting Mills, Inc. (See Worms, S., Kellner, and Hug, assignors.)
Franklin, Laurence W. (See Porter, J. F., and Franklin.)
Franklin, Ned G., Mobile, Ala. Rail joint. 1,838,821; Dec. 29.
Franklin Oil Heating, Inc. (See Frame, Augustus J., assignor.)
Franklin Process Company. (See Traver, W. A., and Wood, assignors.)
Franklin Railway Supply Company. (See Bring, Einar J., assignor.)
Franklin Railway Supply Company. (See Caldwell, Edwin D. H., assignor.)
Franklin Railway Supply Company. (See Carroll, John T., assignor.)
Franklin Railway Supply Company. (See De Baufre, William L., assignor.)
Franklin Railway Supply Company. (See Forker, Major T., assignor.)
Franklin Railway Supply Company. (See Kuhn, Benjamin F., assignor.)
Franklin Railway Supply Company. (See Martin, Frederick W., assignor.)
Franklin Railway Supply Company. (See Peters, Frank R., assignor.)
Franklin Railway Supply Company. (See Roberts, Montague H., assignor.)
Franklin Railway Supply Company. (See Titus, Hubert J., assignor.)
Franklin Railway Supply Company. (See Vincent, Harry S., assignor.)
Franklin Railway Supply Company. (See Zouck, George H., assignor.)
Franklin, Sam L. (See Wilson, Rollin V., assignor.)
Franklin Simon & Company. (See Long, Dorothy, assignor.)
Franklin, Stanley H., assignor, by mesne assignments, to Textile Finishing Machinery Co., Providence, R. I. Cylinder-turning device for use particularly in continuous-steaming machines. 1,799,978; Apr. 7.
Franks, Clem H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing device for coil-winding machines. 1,789,358; Jan. 20.
Franks, Ernest A., Whitchurch, Wales. Transmission gear for use with internal combustion engines. 1,813,614; July 7.
Franks, George A., assignor of one-third to R. W. Seymour and one-third to M. T. Wetton, Chicago, Ill. Slug and change making machine. 1,827,312; Oct. 13.
Franks, Harry H., assignor to Tidal Oil Company, Tulsa, Okla. Samson post. 1,799,160; Apr. 7.
Franks, Harry H., assignor of three-fourths to Tidal Oil Company, Tulsa, Okla. Mounting for calf wheels or the like. 1,813,044; July 7.
Franks, Harry H., assignor of three-fourths to Tidal Oil Company, Tulsa, Okla. Engine frame. 1,813,045; July 7.
Franks, Lewis W., Port Neches, Tex. Closure hanger. 1,823,193; Sept. 15.
Franks, Mark. (See Hyle, J. A., and Franks.)
Franks, Russell, Jackson Heights, N. Y., assignor to Electro Metallurgical Company. Corrosion resistant alloys. 1,836,317; Dec. 15.
Franquist, Gustave E., deceased, Rochester, N. Y.; M. L. Franquist, executrix, assignor to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,826,171; Oct. 6.
Franquist, Margaret L., executrix. (See Franquist, Gustave E.)
Frantz, Ezra A., Fort Worth, Tex. Bale tie buckle. 1,829,644; Oct. 27.
Frantz, George A., et al., trustees. (See Aland, Richard C., assignor.)
Frantz, Grover C., assignor to Modern Utilities Company, Harrisburg, Pa. Typewriter attachment. 1,814,142; July 14.
Frantz Manufacturing Co. (See Ferris, William D., assignor.)
Frantz, Peter. (See Carroll, Samuel P., assignor.)
Frantz, Ralph W., Houston, Tex. Wall construction. 1,818,704; Aug. 11.
Frantz, Samuel G., Princeton, N. J. Mining cartridge. 1,808,162; June 2.
Frantz, Virgil L., Roanoke, Va. Locomotive sanding device. 1,806,052; May 19.
Franz, Charles H., jr., Milwaukee, Wis. Loose-leaf binder. 1,793,076; Feb. 17.

Franz, Charles H., jr., Milwaukee, Wis. Locking lever for loose leaf binders. 1,801,956; Apr. 21.
Franz, Charles H., jr., Milwaukee, Wis. Ring binder attachment. 1,806,157; May 19.
Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Terminal for electrical devices. 1,813,154; July 7.
Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical device. 1,823,827; Sept. 15.
Franz, Johann, Budweis, Czechoslovakia. Cycle airplane. 1,789,623; Jan. 20.
Franzkowiak, Nicholaus W., Schaller, Iowa. Corn picker attachment for tractors. 1,808,030; June 2.
Frappier, Louis S., and E. Boecking, Brooklyn, assignor to International Projector Corporation, New York, N. Y. Telescope framing device. 1,823,355; Sept. 15.
Frappier, Louis S., and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Lamp support for projection machines. 1,830,537; Nov. 3.
Frappier, Louis S., and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Support for light sources. 1,830,538; Nov. 3.
Frappier, Louis S., and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Sound telescope. 1,830,601; Nov. 3.
Frary, Francis C., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Corrosion resistant aluminum alloy article. 1,805,448; May 12.
Frascani, Arturo, Rome Italy. Auxiliary keyboard for pianos. 1,812,524; June 30.
Fraschetti, Virgilio, London, England. Disinfecting and cleansing device for telephone and like mouthpieces. 1,797,135; Mar. 17.
Fraser, Ethelbert M., Yonkers, N. Y. Electric machine. 1,813,393; July 7.
Fraser, Ethelbert M., Yonkers, N. Y. Inductor winding and making same. 1,813,394; July 7.
Fraser, Frank. (See Drake, J. L., and Fraser.)
Fraser, Frank, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass. 1,815,884; July 21.
Fraser Furnace Company. (See Fraser, Richard E., assignor.)
Fraser, George H., Brooklyn, N. Y. Pulverizer and separator. 1,834,094; Dec. 1.
Fraser, George H., Brooklyn, N. Y. Separator. 1,834,095; Dec. 1.
Fraser, George H., Brooklyn, N. Y. Drive and driven device for vehicles, etc. 1,838,380; Dec. 29.
Fraser, Gordon, N., and J., Arbroath, Scotland. Sliverballing machine. 1,791,076; Feb. 3.
Fraser, Gordon N. and J., Arbroath, Scotland. Sliverballing machine. 1,795,427; Mar. 10.
Fraser, James, Edgemoor, assignor to Speakman Company, Wilmington, Del. Plumbing fixture. Des. 83,674. Mar. 17.
Fraser, James, Edgemoor, assignor to Speakman Company, Wilmington, Del. Shower head. 1,830,694; Nov. 3.
Fraser, James H., Frankfort, Ind. Sliding door. 1,833,283; Nov. 24.
Fraser, John. (See Fraser, Gordon, N., and J.)
Fraser, John, jr., assignor to Milwaukee Valve Company, Milwaukee, Wis. Receptacle closure. 1,827,573; Oct. 13.
Fraser, John, jr., and F. Hutchinson, assignors to Milwaukee Valve Company, Milwaukee, Wis. Return trap. 1,835,035; Dec. 8.
Fraser, Joseph A., Tulsa, Okla. Ventilator deflector. 1,791,494; Feb. 10.
Fraser, Kenneth, Pasadena, Calif. Damper control system. 1,813,395; July 7.
Fraser, Norman. (See Fraser, Gordon N., and J.)
Fraser, Richard E., assignor to Fraser Furnace Company, Stockton, Calif. Gas ignition means for gas furnace burners. 1,810,957; June 23.
Fraser, Simon, Dunstable, England. Water-closet. 1,792,008; Feb. 10.
Fraser, Thomas, Pittsburgh, assignor to Hydrotator Company, Hazleton, Pa. Process of and apparatus for separating mixed materials. 1,801,195; Apr. 14.
Fraser, Warren F. (See Arter, W., and Fraser.)
Fraser, Warren F., Westboro, Mass. Grinding machine. 1,820,735; Aug. 25.
Fraser, Warren F., Westboro, Mass. Work supporting mechanism for grinding machines. 1,828,530; Oct. 20.
Fraser, Warren F., Westboro, Mass. Intermittently operating mechanism. 1,837,319; Dec. 22.
Fraser, William W., trustee. (See Erickson, Oscar, assignor.)
Frauenberger, Carl F., Clinton Corners, N. Y., assignor to Thomson National Press Co., Inc. Throw-off mechanism for cutters and creasers. 1,791,163; Feb. 3.
Frauenberger, Carl F., Franklin, Mass., assignor to Thomson National Press Co. Inc. Sheet-push-off mechanism. 1,797,414; Mar. 24.
Frauenberger, Carl F., Franklin, Mass., assignor to Thomson National Press Co. Inc. Throw-off mechanism for presses. 1,808,499; June 2.
Fraunberger, Fritz, and G. Knöffler, Premnitz, Germany. Manufacture of oxidation products of siccative oils. 1,806,247; May 19.
Frawley, Raymond W., and G. C. Bruner, Birmingham, Ala. Tie plate. 1,807,062; May 26.
Fray, Fred, Paducah, Ky., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,834,520; Dec. 1.
Fray Jewelry Company. (See Hamin, Samuel A., assignor.)
Frayer, Lee A. (See Smith, Roy H., and Frayer.)
Frayer, Lee A., and C. L. Harvey, assignors to R. H. Smith, Kent, Ohio. Making nut blanks. 1,829,558; Oct. 27.
Frazee, Arthur M., Duluth, Minn. Ore dock. 1,818,470; Aug. 11.
Frazell, W. H., jr. (See Pinkerton, H. K., and Rhyndress, assignors.)
Frazer, Joseph C. W., Baltimore, Md. Eliminating combustible constituents from the products of combustion of an internal-combustion engine. 1,789,812; Jan. 20.
Frazier, Herbert A., Butler, Pa. Device for applying anti-skin chains. 1,809,443; June 9.
Frazier, Kenneth S. (See Robinson, C. A., and Frazier.)
Frazier, Lucius E., assignor to Phillips Petroleum Company, Bartlesville, Okla. Method and apparatus for gauging the contents of tank cars and the like. 1,827,574; Oct. 13.
Frazier, Orville Z., assignor of one-half to R. J. St. Louis, River Rouge, Mich. Carburetor. 1,808,537; June 2.
Frazier, Philip A. (See Alger, H. C., and Frazier.)
Frazier, Philip A., assignor to R. R. Donnelley & Sons Company, Chicago, Ill. Irregular drive motion. 1,810,702; June 16.
Frazier, Philip A., assignor to R. R. Donnelley & Sons Company, Chicago, Ill. Machine for pressing books. 1,815,372; July 21.
Frazier, Sherman W. (See Wilson, William S., assignor.)
Frazier, William G., Philadelphia, Pa. Shaving brush. 1,813,615; July 7.
Frazier, William G., Philadelphia, Pa. Shaving outfit. 1,813,616; July 7.
Frazier, William T., Louisa, Va., assignor, by mesne assignments, to A. E. Faragen, Inc., Seattle, Wash. Wheel-aligning tool. Re18,047; Apr. 14.
Freas, Samuel T., Trenton, N. J., and C. A. Gehr, Wissinoming, Pa., assignor to H. Disston & Sons, Incorporated, Tacony, Pa. Circular saw. 1,810,823; June 16.
Freas, Samuel T., Trenton, N. J., assignor to Henry Disston & Sons, Incorporated, Tacony, Pa. Insertable tooth saw. 1,831,705; Nov. 10.
Frease, Hurxthal F., Canton, Ohio. Integral frame structure. 1,802,011; Apr. 21.
Frease, Hurxthal F., Canton, Ohio. Arch joist and floor construction. 1,812,690; June 30.
Frech, Albert, assignor to Eisenstadt Manufacturing Company, St. Louis, Mo. Collar holder. Des. 83,531; Mar. 3.
Frechou, Sidney W., New Orleans, La. Combination ice-box and water cooler. 1,712,777; June 30.
Fred, Walter, Hosiery Mills, Inc. (See Hecker, Emil G., assignor.)
Fred, Walter, Hosiery Mills, Inc. (See Vogler, Max P., assignor.)
Fredberg, Carl, Chicago, Ill. Closure construction for refrigerators and the like. 1,800,519; Apr. 14.
Fredd, Oscar M., Hancock, Mich. Vulcanizing apparatus. 1,793,472; Feb. 24.
Fredd, Oscar M., Hancock, Mich. Tire-mold construction. 1,793,473; Feb. 24.
Frede, Charles F., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Car underframe. 1,793,474; Feb. 24.
Frede, Charles F., St. Louis, Mo., and E. G. Hallquist, Edwardsville, Ill., assignors to General Steel Castings Corporation, Granite City, Ill. Railway vehicle underframe. 1,810,558; June 16.
Frede, Charles F., St. Louis, Mo., and E. G. Hallquist, Edwardsville, assignors to General Steel Castings Corporation, Granite City, Ill. Locomotive structure. 1,836,159; Dec. 15.
Fredeen, Frank, Minneapolis, Minn. River channel deepening means. 1,822,964; Sept. 15.
Fredendall, Field, Kaukauna, Wis. Coupling pin. 1,805,138; May 12.
Frederick, Clarence H., Kenosha, Wis., assignor to C. L. Smythe, Chicago, Ill. Spike making machine. 1,821,888; Sept. 1.
Frederick, Clifford W., Waterford, N. Y. Tent frame. 1,801,913; Apr. 21.
Frederick Iron & Steel Company, The. (See Hargis, George R., assignor.)
Frederick, Louis T., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, Del. Die for molding mica rings. 1,793,603; Feb. 24.
Frederick, Louis T., assignor to Fibroc Insulation Company, Valparaiso, Ind. Making composite material. 1,799,506; Apr. 7.
Frederick, Louis T., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, Del. Means for and method of molding materials. 1,807,155; May 26.
Frederick, Louis T., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, Del. Mica laying apparatus. 1,807,206; May 26.

Frederick, Louis T., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, Del. Mica splitter. 1,823,136; Sept. 15.
Frederick, Louis T., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, Del. Mica splitting machine. 1,831,061; Nov. 10.
Frederick, Louis T., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, Del. Tube making machine. 1,831,062; Nov. 10.
Frederick, Louis T., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, Del. Making moldable material. 1,831,063; Nov. 10.
Frederick, Louis T., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, N. J. Machine for making composite material. 1,831,064; Nov. 10.
Frederick, Louis T., Valparaiso, Ind., assignor, by mesne assignments, to Continental Diamond Fibre Company, Newark, N. J. Apparatus for making composite products. 1,831,065; Nov. 10.
Frederick, Rheuel H., Irvington, N. J., assignor to Ames Pump Company, Inc., New York, N. Y. Centrifugal pump. 1,805,765; May 19.
Frederick, Roy L., and T. L. Williams, Detroit, Mich. Method of machining individual units and apparatus therefor. 1,822,730; Sept. 8.
Frederick, Urban A. (See Witter, V. F., and Frederick.)
Frederick, Victor W. I., Brooklyn, N. Y. Window ventilator. 1,806,847; May 26.
Frederick, Victor W. I., Brooklyn, N. Y. Air regulator for window ventilators. 1,810,824; June 16.
Frederick, Walter A., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve valve engine. 1,814,746; July 14.
Frederickson Company. (See Schupp, Arthur A., assignor.)
Frederickson, Otto A., Wethersfield, Conn., assignor to National Electric Products Corporation, Pittsburgh, Pa. Armored electric cable. 1,788,483; Jan. 13.
Frederickson, Otto A., Ben Avon, Pa., assignor to National Electric Products Corporation, New York, N. Y. Anti-short bushing. 1,801,549; Apr. 21.
Frederickson, Otto A., Wethersfield, Conn., assignor to National Electric Products Corporation, Pittsburgh, Pa. Electric conductor. 1,828,772; Oct. 27.
Frederickson, Otto A., Ben Avon, Pa., assignor to National Electric Products Corporation, New York, N. Y. Bushing for armored cable. 1,829,512; Oct. 27.
Frederics, E., Inc. (See Brown, James C., assignor.)
Frederics, E., Inc. (See Frederics, Ernest O., assignor.)
Frederics, E., Inc. (See Pinnock, Douglas R., assignor.)
Frederics, Ernest O., assignor to E. Frederics, Inc., New York, N. Y. Hair-drying hood. 1,804,005; May 5.
Frederics, Ernest O., assignor to E. Frederics, Inc., New York, N. Y. Hair curling device. 1,820,387; Aug. 25.
Frederics, Ernest O., assignor to E. Frederics, Inc., New York, N. Y. Hair curling device. 1,824,775; Sept. 29.
Frederics, Ernest O., New York, N. Y. Sectional treatment in permanent waving of hair. 1,827,785; Oct. 20.
Frederics, Ernest O., assignor to E. Frederics, Inc., New York, N. Y. Hair treating device. 1,829,216; Oct. 27.
Frederics, Ernest O., assignor to E. Frederics, Inc., New York, N. Y. Hair drier. 1,832,899; Nov. 24.
Frederiksen, Carl J., assignor to Deere & Company, Moline, Ill. Grain harvester. 1,823,036; Sept. 15.
Free, John W., Aliquippa, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Apparatus for making welded pipe. 1,793,218; Feb. 17.
Free, John W., Woodlawn Borough, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Method of and apparatus for shearing packs of hot mill sheets or the like. 1,798,017; Mar. 24.
Free Sewing Machine Company, The. (See Kelso, Ralph S., assignor.)
Free, Thomas J., Covington, Ky. Weed puller. 1,796,780; Mar. 17.
Free, William J., Neepawa, Manitoba, Canada. Combined weeder and cultivator. 1,814,029; July 14.
Freeberg, George. (See Simons, G. A., and Freeberg.)
Freeburg, Walter S., assignor, by mesne assignments, of one-half to L. Bradley and one-half to H. L. Bradley, Milwaukee, Wis. Guard. 1,830,508; Nov. 3.
Freed, Meyer L., assignor to H. A. Golwynne, New York, N. Y. Coating for metal casting molds and cores. 1,817,245; Aug. 4.
Freed, Rose, San Diego, Calif. Underwear. 1,807,908; June 2.
Freedlander, Abraham L., Dayton, Ohio. Pulley. 1,818,798; Aug. 11.
Freedlander, Abraham L., Dayton, Ohio. Pulley. 1,828,136; Oct. 20.
Freedlander, Joseph H., New York, N. Y. Traffic standard. Des. 85,470; Nov. 3.
Freedman, Ruth, New York, N. Y. Lingerie fastener. 1,788,095; Jan. 6.
Freedman, Ruth, New York, N. Y. Lingerie fastener. 1,813,283; July 7.
Freedman, William, Brooklyn, and J. Guiney, New York, N. Y. Car card. 1,803,325; May 5.
Freeland, Albert M., assignor to C. Edward, Chicago, Ill. Pump or engine. 1,802,341; Apr. 28.
Freeman, Albert E., East Orange, N. J., assignor to American Telephone and Telegraph Company. Connecting pin. 1,797,337; Mar. 24.
Freeman, Albert E., East Orange, and W. T. Livermore, Westfield, N. J., assignors to American Telephone and Telegraph Company. Gear mechanism. 1,802,419; Apr. 28.
Freeman, Albert E., East Orange, and W. T. Livermore, Westfield, N. J., assignors to American Telephone and Telegraph Company. Multiple drive apparatus. 1,828,803; Oct. 27.
Freeman, Albert E., East Orange, and W. T. Livermore, Westfield, N. J., assignors to American Telephone and Telegraph Company. Brake for power driven shafts. 1,829,825; Nov. 3.
Freeman, Arthur J., Alameda, Calif. Sheet separator and conveyer. 1,794,843; Mar. 3.
Freeman, Benjamin W. (See Messmer, Charles A., jr., assignor.)
Freeman, Benjamin W., Cincinnati, Ohio. Makings boots and shoes. Re17946; Feb. 3.
Freeman, Benjamin W., Cincinnati, Ohio. Power drive for slides. Re18,162; Aug. 25.
Freeman, Benjamin W., Cincinnati, Ohio. Making shoes. 1,788,234; Jan. 6.
Freeman, Benjamin W., Cincinnati, Ohio. Hand guard for shoe ornamenting devices. 1,824,987; Sept. 29.
Freeman, Benjamin W., Cincinnati, Ohio. Shoe ornamenting machine and work supporting device therefor. 1,835,484; Dec. 8.
Freeman, Benjamin W., Cincinnati, Ohio, W. S. Herschel, St. Louis, Mo., and H. E. Patterson, Columbus, assignors to The Louis G. Freeman Company, Cincinnati, Ohio. Machine for marking, ornamenting, and cementing shoes. 1,817,359; Aug. 4.
Freeman-Daughaday Company. (See Allison James F., assignor.)
Freeman-Daughaday Company. (See Lindquist, Albert W., assignor.)
Freeman, Edison S., Miami, Fla. Fishing lure. 1,816,725; July 28.
Freeman, Edward E., Danville, Ill. Furnace control. 1,813,732; July 7.
Freeman, Ernest B., Newton, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Conductor for heat exchange apparatus. 1,821,702; Sept. 1.
Freeman, Frederick C., Providence, R. I. Meter-pipe-supporting clamp. 1,795,019; Mar. 3.
Freeman, Frederick C., Providence, R. I. Meter-pipe-supporting clamp. 1,795,020; Mar. 3.
Freeman, Hadley F. (See Neimeyer, C., and Brubaker, assignors.)
Freeman, Hadley F., Milwaukee, Wis. Door control. 1,790,701; Feb. 3.
Freeman, Henry, Tottenham, London, and H. D. Thurgar, London, England. Device for use in dressing the hair. 1,806,248; May 19.
Freeman, Horace, Shawinigan Falls, Quebec, assignor to The Suphide Research Corporation Limited, Montreal, Canada. Process of and apparatus for oxidizing metal sulphides and making sulphur dioxide. 1,812,397; June 30.
Freeman, Hubert M., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vacuum-tube device. 1,794,950; Mar. 3.
Freeman, James J., Bradford, Pa. Hose nozzle. 1,813,733; July 7.
Freeman, Louis G., Company, The. (See Freeman, B. W., Herschel, and Patterson, assignors.)
Freeman, Louis W., Gary, W. Va. Cuff for trousers. 1,805,577; May 19.
Freeman, Rob R., Cascade, Iowa. Egg turning device. 1,837,857; Dec. 22.
Freeman, Robert F., Cornwall, Ontario, Canada. Lathe for shaping fiber conduits. 1,835,485; Dec. 8.
Freeman, Samuel, Boston, Mass. Closure for containers. 1,828,224; Oct. 20.
Freeman, Sterry B. (See Allan, J. E., and Freeman.)
Freeman, Sterry B. (See Allan, J. E., Freeman, and Watkins.)
Freeman, Sterry B., Birkenhead, assignor to Imperial Chemical Industries Limited, London, England. Degreasing the interior of heat exchange apparatus. 1,832,697; Nov. 17.
Freeman, Walter R., and E. H. Schweering, assignors to Midwest Engineering Co., Tulsa, Okla. Clutch-brake control. 1,800,520; Apr. 14.
Freeman, William H., Peebles, Ohio. Grain separator. 1,796,326; Mar. 17.
Freeport Sulphur Company, The. (See Bushnell, Lyman S., assignor.)
Freeport Sulphur Company. (See Bushnell, L. S., and Morales, assignors.)
Freeport Sulphur Company. (See Lee, Clarence O., assignor.)
Freer, Albert. Woodmere, N. Y. Illuminated mirror. 1,839,146; Dec. 29.
Freer, James, Wayzata, Minn. Exercising device for animals. 1,794,951; Mar. 3.
Freer, James, deceased, by N. Freer, Wayzata, Minn., assignee. Exercising device for animals. Re18,273; Dec. 8.
Freer, Nellie, assignee. (See Freer, James.)

Freerksen, John J., Steamboat Rock, assignor of one-fourth to D. Claassen, Wellsburg, Iowa. Cushion tire. 1,808,404; June 2.
Freers, George H., assignor to Marmon Motor Car Company, Indianapolis, Ind. Internal combustion engine head. 1,812,474; June 30.
Freese, Ira H. (See Dawson, H. H., and Freese.)
Freese, Ira H., Clarksburg, W. Va., and D. C. Evans, Uniontown, Pa., assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Tumbler. Des. 83,320; Feb. 17.
Freese, Ira H., Clarksburg, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Leer feeder attachment. 1,838,936; Dec. 29.
Freeth, Lancelot G. (See Skillman, T. S., Freeth, and Berry.)
Freeze, Jonathan R., assignor to The American Rolling Mill Company, Middletown, Ohio. Spiral-pipe-forming machine. 1,793,281; Feb. 17.
Freeze, Jonathan R., assignor to The American Rolling Mill Company, Middletown, Ohio. Spiral-pipe-forming method. 1,793,282; Feb. 17.
Frégeau, Philippe, Vercheres, Quebec, Canada. Chain-fastening device. 1,795,206; Mar. 3.
Frehse, Albert W., assignor to General Motors Corporation, Detroit, Mich. Brake shoe. 1,787,780; Jan. 6.
Frehse, Albert W., assignor to General Motors Corporation, Detroit, Mich. Intake manifold. 1,792,828; Feb. 17.
Frehse, Albert W., assignor to General Motors Corporation, Detroit, Mich. Front-wheel brake. 1,798,936; Mar. 31.
Frehse, Albert W., assignor to General Motors Corporation, Detroit, Mich. Brake centralizer. 1,838,381; Dec. 29.
Frehse, Albert W., assignor to General Motors Corporation, Detroit, Mich. Brake mechanism. 1,838,382; Dec. 29.
Frehse, Albert W., and C. G. Belden, assignors to General Motors Corporation, Detroit, Mich. Brake shoe. 1,798,935; Mar. 31.
Frei, Elisabeth, Zurich, Switzerland. Stocking for varicose veins. 1,811,786; June 23.
Frei, Elisabeth, Zurich, Switzerland. Foot arch support. 1,811,787; June 23.
Frei, Gottfried. (See Ashton, G., and Frei.)
Frei, John, jr., Chicago, Ill. Wreath. Des. 84,281; June 2.
Frei, John, jr., Chicago, Ill. Wreath. Des. 84,282; June 2.
Frei, John, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making alkyl chlorides. 1,824,951; Sept. 29.
Freiday, Jay A. (See Wolfe, H. G., and Freiday.)
Freiler, Abraham J., Glencoe, assignor to A. Stein & Company, Chicago, Ill. Display device. 1,808,303; June 2.
Freise, Max G., Angermund, and H. Maschmeyer, Bad Ems, assignor to Berzelius Metallhuetten-Gesellschaft mit beschrankter Haftung, Duisburg-Manheim, Germany. Smelting material containing tin oxide. 1,824,475; Sept. 22.
Freitag, Bertha, née Schein. (See Grams, Wilhelm, assignor.)
Freitag, Felix W., Wernigerode-Harz, Germany. Mechanically recording sound waves in a cold way on plane sound carriers that are harder than wax. 1,803,060; Apr. 28.
Freitag, Henry D. (See Sporn, P. and Freitag.)
Freitas, Joseph D., Marina, Calif. Agricultural comb. 1,796,095; Mar. 10.
Frémaux, Ferdinand, Brussels, Belgium. Shock absorber for vehicles. 1,834,054; Dec. 1.
French, Alfred W., Chicago, Ill., assignor, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Material raking machine for road paving. 1,801,420; Apr. 21.
French Battery Company. (See Cargill, William W., assignor.)
French Battery Company. (See Coughlin, Daniel R., assignor.)
French Battery Company. (See Graham, J. H., and Gunderson, assignors.)
French, Charles A., Riverside, Ill. Semiflash boiler. 1,806,677; May 26.
French, Charles A., and R. R. Waterman, Long Beach, Calif., assignors to Farmers' National Bank of Greenville, Ohio, trustee, Greenville, Ohio. Water level indicator apparatus for steam power plants. 1,824,988; Sept. 29.
French, Donald E., Merion, assignor to York Heating & Ventilating Corporation, Philadelphia, Pa. Coil heater construction. 1,787,444; Jan. 6.
French, Edward H., Columbus, Ohio. Recovering resinous by-products in the manufacture of wood pulp. 1,810,472; June 16.
French Electric Company. (See French, George B., assignor.)
French Electric Company. (See French, G. B., and Spence, assignors.)
French, Frederick, W., Oakland, Calif. Trap. 1,818,315; Aug. 11.
French, George B., Southampton, N. Y. Telephone receiver. 1,809,749; June 9.
French, George B., Southampton, N. Y., assignor to French Electric Company, Inc. Ear receiver nipple. 1,830,198; Nov. 3.
French, George B., Southampton, and J. L. Spence, Brooklyn, N. Y., assignors to French Electric Company. Telephone receiver. 1,830,160; Nov. 3.
French, George F., Manchester, England. Curtain rail support. 1,815,249; July 21.
French, George F. and R., Manchester, England. Ladder web for Venetian blinds. 1,815,196; July 21.
French, George F., Stamford, Conn., assignor to Riegel Paper Corporation, Riegelsville, N. J. Slowness tester for paper stock. 1,838,614; Dec. 29.
French, Guy M., Renfrew, Ontario, Canada. Door operating means. 1,829,513; Oct. 27.
French & Hecht, Incorporated. (See Einfeldt, Ernest E., assignor.)
French & Hecht, Inc. (See Hecht, Joseph L., assignor.)
French, Henry G., Schenectady, N. Y., assignor to General Electric Company. Electric switching device. 1,791,446; Feb. 3.
French, Henry H., Darien, Conn., assignor to Motor Terminals Company, Wilmington, Del. System of transferring freight. 1,835,859; Dec. 8.
French, Henry R., Rutherford, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Individual shingle. 1,799,293; Apr. 7.
French, Henry R., Rutherford, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Interlocking roofing. 1,820,388; Aug. 25.
French, Jesse, & Sons Piano Company. (See Cline, Delbert, assignor.)
French, Louis O., Milwaukee, Wis. Fuel injection system. Re18,194; Sept. 15.
French, Louis O., Milwaukee, Wis. Fuel injection system. Re18,195; Sept. 15.
French, Louis O., Milwaukee, Wis. Fuel feeding system. 1,803,666; May 5.
French, Louis O., Milwaukee, Wis. Two cycle engine. 1,807,838; June 2.
French, Louis O., Milwaukee, Wis. Control switch mechanism. 1,812,647; June 30.
French, Nettie B., Worthington, Minn. Cabinet. 1,810,599; June 16.
French Oil Mill Machinery Company, The. (See Simon, Forest C., assignor.)
French Oil Mill Machinery Co., The. (See Stacy, Thomas F., assignor.)
French, Roger. (See French, George F. and R.)
French, Thomas J., Minneapolis, Minn. Window defroster. 1,817,305; Aug. 4.
French, Wert, Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for drawing sheet glass. 1,795,943; Mar. 10.
French, William A., Minneapolis, Minn. Humidifier cabinet. Des. 84,470; June 23.
French, William A., Minneapolis, Minn. Humidifier cabinet. Des. 84,471; June 23.
French, William H., Toronto, Ontario, Canada. Aircraft propulsion. 1,833,110; Nov. 24.
Frenck, Hugo, Nesekow, Post Arnshagen, Germany. Drop catching device for umbrellas. 1,826,063; Oct. 6.
Frenier, Albert B., Chicago, Ill., assignor, by mesne assignments, to Petroleum Heat and Power Company, New York, N. Y. Liquid fuel burning. 1,831,529; Nov. 10.
Frentzel, Herman E., assignor to The Falk Corporation, Milwaukee, Wis. Slotting machine. 1,823,857; Sept. 15.
Frenz, Harry J., Philadelphia, Pa. Electrical socket. 1,792,973; Feb. 17.
Frenzel, Fritz, Dessau, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electric furnace. 1,830,992; Nov. 10.
Frerichs, Georg, Bonn, assignor to the Firm: Schering-Kahlbaum Aktiengesellschaft, Berlin, Germany. Colorless molten products from pyramidone and soporifics and making same. 1,798,374; Mar. 31.
Frese, Erich. (See Pungs, W., and Frese.)
Fresh-Keeping Package Corporation. (See McCrosson, John T., assignor.)
Fresk, Per Albert, Robertsfors, Sweden. Charging cellulose digesters and means therefor. 1,802,644; Apr. 28.
Fretz-Moon Tube Company. (See Moon, John W., assignor.)
Fretz-Moon Tube Company. (See Moon, John W., assignor.)
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric. Des. 84,235; May 26.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered lace. Des. 84,236; May 26.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric. Des. 84,237; May 26.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric. Des. 84,238; May 26.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric. Des. 84,331; June 9.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,332; June 9.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,577; July 7.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,578; July 7.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,579; July 7.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,689; July 21.

Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,814; Aug. 11.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,815; Aug. 11.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,816; Aug. 11.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,817; Aug. 11.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,818; Aug. 11.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,819; Aug. 11.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,820; Aug. 11.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,821; Aug. 11.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,822; Aug. 11.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,823; Aug. 11.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,824; Aug. 11.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 84,825; Aug. 11.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or similar article. Des. 84,826; Aug. 11.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 85,415; Oct. 27.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 85,416; Oct. 27.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 85,417; Oct. 27.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 85,418; Oct. 27.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 85,419; Oct. 27.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 85,420; Oct. 27.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 85,421; Oct. 27.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 85,422; Oct. 27.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 85,423; Oct. 27.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or a similar article. Des. 85,424; Oct. 27.
Freudenberg, Ernest W., Larchmont, assignor to Amrein Freudenberg Co. Inc., New York, N. Y. Embroidered textile fabric or a similar article. Des. 85,865; Dec. 29.
Freudenberg, Hermann, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company, New York, N. Y. Cementation of iron and steel. 1,796,248; Mar. 10.
Freudenberg, Hermann and H. Kloepfer, assignors to Deutsche Gold & Silber Scheideanstalt, vormals Roessler, Frankfort-on-the-Main, Germany. Manufacture of alkali metal hydrides. 1,786,265; Mar. 10.
Freudenreich, William F., et al., trustees. (See Arey, Fred C., assignor.)
Freuder, Jgnatz, New York, N. Y. Window cleaner. 1,802,206; Apr. 21.
Freuder. Leo., Coney Island, assignor to Hydrographic Products Company, Inc., New York, N. Y. Intaglio printing method. 1,817,435; Aug. 4.
Freund, Edmund J., Valparaiso, Ind. Type form projector. 1,806,896; May 26.
Freund, Edward, Vienna, Austria. Squeezing machine. 1,837,034; Dec. 15.
Freund, Herman R., Brooklyn, assignor to Intertype Corporation, New York, N. Y. Cleaning magazines and matrices. 1,804,331; May 5.
Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Assembler drive clutch for typographical machines. 1,818,946; Aug. 11.
Frevva Limited. (See Crick, Walter, assignor.)
Frey, Charles N. (See Gore, H. C., and Frey.)
Frey, Charles N., New York, N. Y., assignor, by mesne assignments, to Standard Brands Incorporated, Dover, Del. Hydrolyzed protein products and using the same. 1,794,370; Mar. 3.
Frey, Charles N., and A. Schultz, New York, N. Y., and A. P. Harrison, Washington, D. C., assignors, by mesne assignments, to Standard Brands Incorporated, Dover, Del. Manufacturing yeast. 1,814,210; July 14.
Frey, Charles N., and E. B. Brown, New York, and C. Craig, Peekskill, N. Y., assignors, by mesne assignments, to Standard Brands, Incorporated, Dover, Del. Food product. 1,828,283; Oct. 20.
Frey, Coyle W., Harvey, Ill. Brake-drum vibration-damping device. 1,791,495; Feb. 10.
Frey, Elmer E., Los Angeles, Calif. Camping bed. 1,810,311; June 16.
Frey, Ernst, Breslau, assignor to Linke-Hofmann-Werke Aktiengesellschaft, Breslau, Germany. Oil-injection apparatus for internal-combustion engines. 1,788,288; Jan. 6.
Frey, Ernst H., Innertkirchen, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Apparatus for protection of polyphase electrical systems. 1,823,733; Sept. 15.
Frey, Karl, Ennetbaden, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Steam-turbine-governing apparatus. 1,795,944; Mar. 10.
Frey, Karl, Ennetbaden, assignor to A. G. Brown Boveri & Cie. Baden, Switzerland. Steam turbine apparatus. 1,806,065; May 19.
Frey, Karl, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Steam turbine construction. 1,834,451; Dec. 1.
Frey, Karl, Ennetbaden, and A. Meyer, Kusnacht, near Zurich, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Draining the low pressure blading of steam turbines. 1,834,452; Dec. 1.
Frey, Kurt. (See Föttinger, H., and Frey.)
Freye, William H., Springfield, Ohio. Pickle tongs. 1,829,271; Oct. 27.
Freygang, Gustav G., Weehawken, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y. Supervisory system for detecting suspended matter in fluids. 1,828,894; Oct. 27.
Freyn Engineering Company. (See Fox, Gordon, assignor.)
Freyn Engineering Company. (See Willcox, F. H., and Hayes, assignors.)
Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 83,431; Feb. 24.
Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Buckle. Des. 84,827; Aug. 11.
Freysinger, John B., New Britain, Conn., assignor, by mesne assignments, to Hookless Fastener Company, Meadville, Pa. Flexible closure. 1,803,106; Apr. 28.
Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Snap hook with swivel. 1,804,377; May 5.
Freytag, Emil. (See Blau, Martin, and Freytag.)
Freytag, Helmuth, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Extraction of valuable products from Montan wax. 1,836,020; Dec. 15.
Friars, Clarence E., Tacoma, Wash. Replaceable porcelain tipped pontic tooth. 1,823,934; Sept. 22.
Friberg, Bengt F., assignor to Laclede Steel Company, St. Louis, Mo. Joint for concrete slabs. 1,815,373; July 21.
Friberg, Bengt F., assignor to Laclede Steel Company, St. Louis, Mo. Joint for concrete slabs. 1,836,160; Dec. 15.
Frick, Charles W., Schenectady, N. Y., assignor to General Electric Company. Voltage-supply means. 1,795,207; Mar. 3.
Frick, Chester A., assignor to Glascock Brothers Manufacturing Company, Muncie, Ind. Stand for bottle dispensing refrigerators. 1,811,228; June 23.
Frick, Chester A., assignor to Glascock Brothers Manufacturing Company, Muncie, Ind. Lock for bottle refrigerators. 1,812,826; June 30.
Frick, Chester A., assignor to Glascock Brothers Mfg. Company, Muncie, Ind. Bottle cooling box. 1,816,426; July 28.
Frick, Chester A., assignor to Glascock Brothers Manufacturing Company, Muncie, Ind. Bottle dispensing refrigerator. 1,816,427; July 28.
Frick Company. (See Small, Norman M., assignor.)
Frick Company. (See Small, N. M., and Buehler, assignors.)
Frick, Friedrich, Uerdingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Purification of wool grease. 1,808,844; June 9.
Frick, Meindert. (See Kampmeyer, Frederick, E., sr., assignor.)
Frick, Robert, Chicago, Ill. Paste dispenser. 1,793,077; Feb. 17.
Fricke, Erich, Dortmund, assignor to Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Rail point. 1,807,734; June 2.
Fricke, Hermann, Halberstadt, Germany. Insert for preserve tins for sausages. 1,822,138; Sept. 8.
Fricke, Jackson C., Brooklyn, assignor to International Communications Laboratories, Inc., New York, N. Y. Printing telegraph motor control. 1,835,486; Dec. 8.
Fricke, Josef, Dillingen-Saar, Germany. Stereoprinting block. 1,822,574; Sept. 8.
Fricke, William D., Le Roy, Ill. Airplane wing. 1,796,016; Mar. 10.
Frickey, Edward H., Pasadena Park, Mo. Crusher. 1,788,388; Jan. 13.
Frickey, Edward H., Pasadena Park, Mo. Crusher. 1,791,669; Feb. 10.
Frickey, Edward H., Pasadena Park, Mo. Crusher. 1,829,895; Nov. 3.
Friden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,811,353; June 23.
Friden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,818,548; Aug. 11.

Friden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 1,830,161; Nov. 3.
Fridolph, Annette, assignor to A. B. A. Specialties Company, Inc., New York, N. Y. Nether garment. 1,817,360; Aug. 4.
Fridolph, Annette, New York, assignor to A. B. A. Specialties Company, Inc., New York, N. Y. Fastening means. 1,819,412; Aug. 18.
Fridolph, Clarence E., Topeka, Kans. Sign painter's marker. 1,838,383; Dec. 29.
Fridolph, John S., New York, N. Y., assignor, by mesne assignments, to Samuel J. Benoit, Leominster, Mass. Toy aeroplane. Des. 83,252; Feb. 10.
Fried, Armin, assignor to William Fox Vaudeville Company, Los Angeles, Calif. Camera transport car. 1,827,227; Oct. 13.
Fried, Isidore, New York, N. Y. Latching means for dumb waiter doors. 1,813,734; July 7.
Fried, Joseph A., Flushing, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,808,031; June 2.
Fried. Krupp Aktiengesellschaft. (See Bänfer, Wilhelm, assignor.)
Fried. Krupp Aktiengesellschaft. (See Bessler, August, assignor.)
Fried. Krupp Aktiengesellschaft. (See Breitling, Ernst, assignor.)
Fried Krupp Aktiengesellschaft. (See Breitling, E., Brauer, Lehmann, and Bornkessel, assignors.)
Fried Krupp Aktiengesellschaft. (See Gross, Siegfried, assignor.)
Fried. Krupp Germaniawerft Aktiengesellschaft. (See Huster, Alfred, assignor.)
Fried. Krupp Aktiengesellschaft. (See Jacobs, Werner, assignor.)
Fried. Krupp Aktiengesellschaft. (See Knigge, Julius, assignor.)
Fried Krupp Aktiengesellschaft. (See Lehmann, K. A., and Ranglack, assignors.)
Fried. Krupp Aktiengesellschaft. (See Lindner, Walther, assignor.)
Fried.-Krupp Aktiengesellschaft. (See Mohring, Paul, assignor.)
Fried. Krupp Aktiengesellschaft. (See Punga, Franklin, assignor.)
Fried. Krupp Aktiengesellschaft. (See Radermacher, August, assignor.)
Fried. Krupp Aktiengesellschaft. (See Schleth, Friedrich, assignor.)
Fried. Krupp Aktiengesellschaft. (See Strauss, Benno, assignor.)
Fried. Krupp Aktiengesellschaft. (See Voigtländer, H., and Kaufels, assignors.)
Fried Krupp Germaniawerft Aktiengesellschaft (See Dunkelmann, Hans., assignor.)
Fried. Krupp Germaniawerft Aktiengesellschaft. (See Haussmann, Karl, assignor.)
Fried-Krupp Germaniawerft Aktiengesellschaft. (See Runkwitz, Arthur, assignor.)
Fried-Krupp Germaniawerft Aktiengesellschaft. (See Welling, Adolf, assignor.)
Fried Krupp Grusonwerk Aktiengesellschaft. (See Edwin, Emil, assignor.)
Fried. Krupp Grusonwerk Aktiengesellschaft. (See Hesse, Max, assignor.)
Fried. Krupp Grusonwerk Aktiengesellschaft. (See Schulze, Erich, assignor.)
Fried Krupp Grusonwerk Aktiengesellschaft. (See Ullrich, Georg, assignor.)
Fried Krupp Grusonwerk Aktiengesschaft. (See Voegel, August, assignor.)
Fried. Krupp Grusonwerk Aktiengesellschaft. (See Wieghardt, Paul, assignor.)
Friedberg, Leonard, assignor to Furlage Manufacturing Company, Inc., New York, N. Y. Vanity case. 1,828,652; Oct. 20.
Friedberg, Michael, Hartford, Conn. Apparatus for stretching trousers. 1,793,219; Feb. 17.
Friedberger-Aaron Manufacturing Company. (See Decker, J. C., and Aull, assignors.)
Friedberger-Aaron Manufacturing Company. (See Goldsmith, Edwin M., assignor.)
Friedberger-Aaron Manufacturing Company. (See Goldsmith, Henry F., assignor.)
Friedberger, Simon. (See Kappler, Carl F., assignor.)
Friedel, Jacob H., assignor to Doughnut Machine Corporation, New York, N. Y. Turnover for automatic cooking apparatus. 1,808,215; June 2.
Friedel, John, jr., New York, N. Y. Pen or pencil attachment. 1,789,737; Jan. 20.
Friedemann, Matthew M., New York, N. Y. Display assembly. 1,788,096; Jan. 6.
Friedemann, Matthew M., New York, N. Y. Show card holder for display stands. 1,803,667; May 5.
Friedemann, Matthew M., New York, N. Y. Display stand. 1,824,813; Sept. 29.
Friedenthal, Adolph L., Portland, Oreg. Bathing suit. 1,790,702; Feb. 3.
Friederich, Alfred, Wolfen, Kreis Bitterfield, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Electrically-driven spindle for spinning yarn. 1,789,676; Jan. 20.
Friederich, Alfred, Berlin, assignor to Aceta G. m. b. H., Berlin-Lichtenberg, Germany. Heating device for the dry spinning producing artificial threads. 1,804,530; May 12.
Friederich, Philip P., et al. (See Bunte, Harry A., assignor.)
Friedheim, Leon J., St. Louis, Mo. Buckle. 1,820,969; Sept. 1.
Friedl, George, jr., Whitestone, and A. Gastonguay; said Friedl assignor to Electrical Research Products, Inc., and said Gastonguay assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Protective device. 1,832,293; Nov. 17.
Friedl, Ralph, Alameda, Calif. Cylinder head for internal combustion motors. 1,812,289; June 30.
Friedlaender, Isidore L., Detroit, Mich. Shipping automobile bodies. 1,788,667; Jan. 13.
Friedlaender, Leo I., assignor to Evans Products Company, Detroit, Mich. Automobile decking device. 1,834,834; Dec. 1.
Friedlaender, Walther, Ridgewood, N. J. Apparatus for and method of printing or embossing pencils. 1,821,337; Sept. 1.
Friedland, Anatole, New York, N. Y. Motion picture screen. 1,835,642; Dec. 8.
Friedlander, Hans, Berlin, Germany. Treatment of fibrous material. 1,803,936; May 5.
Friedlander, Hans, New York, N. Y. Lathering brush. 1,810,074; June 16.
Friedlander, Max, and W. T. Baker, San Francisco, Calif. Beach cot. 1,813,046; July 7.
Friedley-Voshardt Co. (See Voshardt, Herman F., assignor.)
Friedlmaier, Karl. (See Eberhardt, H. W., and Friedlmaier.)
Friedlund, Albert C., Minneapolis, Minn. Confectionery article. Des. 84,409; June 16.
Friedman, Abe., assignor to E. Cohen, Los Angeles, Calif., doing business as Novelty Manufacturing Company, Table. Des. 83,194; Feb. 3.
Friedman, Abraham, Los Angeles, Calif. Table. Des. 83,432; Feb. 24.
Friedman, Abraham, Los Angeles, Calif. Table. Des. 84,408; June 16.
Friedman, Abraham, assignor to E. Cohen, doing business as Novelty Manufacturing Company, Los Angeles, Calif. Table. Des. 84,688; July 21.
Friedman, Arthur, assignor to The Cleveland Heater Company, Cleveland, Ohio. Coupling for circulating coils. 1,813,284; July 7.
Friedman, Arthur, assignor to The Cleveland Heater Company, Cleveland, Ohio. Reenforced circulating coil. 1,813,891; July 7.
Friedman, Arthur, assignor to The Cleveland Heater Company, Cleveland, Ohio. Coupling member. 1,817,615; Aug. 4.
Friedman, Arthur, assignor to The Cleveland Heater Company, Cleveland, Ohio. Water heater circulating coil. 1,819,550; Aug. 18.
Friedman-Blau-Farber Company, The. (See Farber, Joseph C., assignor.)
Friedman, Daniel L. (See Goodman, L., and Friedman.)
Friedman, David, New York, N. Y. Store front. Des. 83,040; Jan. 13.
Friedman, Emery G., Brownsville, Tex. Oil sampler. 1,816,726; July 28.
Friedman, Herbert, Brooklyn, N. Y. Pocket tool. Des. 83,321; Feb. 17.
Friedman, Isaac, Brooklyn, N. Y. Fur or pelt cutting machine. 1,818,058; Aug. 11.
Friedman, Jacob, New York, N. Y. Lock. 1,810,760; June 16.
Friedman, John H., assignor to The National Machinery Co., Tiffin, Ohio. Method of and mechanism for trimming forgings. 1,805,943; May 19.
Friedman, Joseph G., New York, N. Y. Safety box fastener. 1,808,216; June 2
Friedman, Joseph I., Corona, N. Y. Aeroplane. 1,838,478; Dec. 29.
Friedman, Leon, Milwaukee, Wis. Necktie. 1,827,313; Oct. 13.
Friedman, Louis, New York, N. Y. Device for making ties. 1,831,592; Nov. 10.
Friedman, Samuel, Brooklyn, N. Y. Fur stretching and nailing machine. 1,798,664; Mar. 31.
Friedman Silver Co. (See Budd, Howard L., assignor.)
Friedman, William, assignor to Lupé, Inc., New York, N. Y. Powder sifter. 1,790,580; Jan. 27.
Friedman, William, assignor to Lupe, Inc., New York, N. Y. Toilet accessory. 1,794,602; Mar. 3.
Friedman, William, assignor to Lupe, Inc., New York, N. Y. Toilet accessory. 1,814,747; July 14.
Friedman, William, assignor to Lupe, Inc., New York, N. Y. Toilet accessory. 1,814,748; July 14.
Friedman, William, assignor to Lupe, Inc., New York, N. Y. Toilet accessory. 1,814,749; July 14.
Friedrich, Charles F., assignor to E. E. Fairchild Corporation, Rochester, N. Y. Box. Des. 85,330; Oct. 13.
Friedrich Deckel, Prazisionsmechnik und Maschinenbau. (See Braren, Lorenz, K., assignor.)
Friedrich, Hermann. (See Lommel, W., Goost, and Friedrich.)
Friedrich, Louis, Yonkers, N. Y. Safety attachment for airchaft. 1,823,799; Sept. 15.

Friedrich Mauthe G. m. b. H., Uhrenfabriken. (See Doll, Carl, assignor.)
Friedrich, Paul O. E., Millville, N. J., assignor, by mesne assignments, to Gould Storage Battery Corporation, Depew, N. Y. Making glass wool sheets. 1,804,254; May 5.
Friedrich, Paul O. E., Millville, N. J., assignor, by mesne assignments, to Gould Storage Battery Corporation, Depew, N. Y. Apparatus for spinning glass filaments. 1,821,937; Sept. 8.
Friedrich, Wilhelm, Berlin-Lichterfelde, Germany. Dry fire extinguisher. 1,807,399; May 26.
Friedrichs, Albert, San Francisco, Calif. Cigarette magazine. 1,835,595; Dec. 8.
Friedrichs, Wilhelm, Reinickendorf-Ost near Berlin, Germany. Stamping, printing, and stamp-canceling device. 1,789,038; Jan. 13.
Friel, Patrick, New York, N. Y. Combined safety razor and stropper. 1,810,559; June 16.
Frieland, Harry, Newark, N. J. Brassière. 1,802,464; Apr. 28.
Frieland, Harry W., Newark, N. J. Combination foundation garment. 1,829,217; Oct. 27.
Friend, Benjamin B., Burbank, Calif. Rocker chair. Des. 84,983; Sept. 1.
Friend, Keith, assignor to American Seating Company, Grand Rapids, Mich. Metal blackboard sheet. 1,827,389; Oct. 13.
Friend, Otto A., New York, N. Y., and W. J. Heitsmith, Ridgefield Park, N. J., assignors to American Telephone and Telegraph Company. Telephone system. 1,825,723; Oct. 6.
Friend, Richard N., Sioux City, Iowa. Tubular structure. 1,189,086; Aug. 18.
Friendly, Herbert M., Chicago, Ill. Telephone system. 1,789,677; Jan. 20.
Friendly, Herbert M., Chicago, Ill. Automatic telephone system. 1,794,603; Mar. 3.
Friendly, Herbert M., deceased, Chicago, Ill.; M. S. Friendly and Central Trust Company of Illinois, executors. Automatic telephone system. 1,800,787; Apr. 14.
Friendly, Herbert M., deceased, Chicago, Ill.; M. S. Friendly and Central Trust Company of Illinois, executors. Automatic telephone system. 1,800,788; Apr. 14.
Friendly, Herbert M., deceased, Chicago, Ill.; M. S. Friendly and Central Trust Company of Illinois executors. Automatic telephone system. 1,806,288; May 19.
Friendly, Herbert M., deceased, Portland, Oreg., M. S. Friendly and Central Trust Company of Illinois, executors. Telephone system. 1,814,794; July 14.
Friendly, Herbert M., deceased, Portland, Oreg.; M. S. Friendly and Central Trust Company of Illinois, executors. Telephone system. 1,828,964; Oct. 27.
Friendly, Herbert M., Portland, Oreg., deceased; M. S. Friendly and Central Trust Company of Illinois, executors. Telephone system. 1,833,991; Dec. 1.
Friendly, Herbert M., deceased, Chicago, Ill.; M. S. Friendly and Central Republic Bank & Trust Co., executors. Apparatus for fault location on electrical conductors. 1,835,860; Dec. 8.
Friendly, Milton S., et al., executors. (See Friendly, Herbert M.)
Frier, John, University City, Mo. Display cabinet. 1,794,371; Mar. 3.
Frierson, Henry C. (See Martin, James R., assignor.)
Frierson, John H., Charleston, S. C. Toothbrush holder. 1,797,084; Mar. 17.
Fries, Franz. (See Imhoff, K., Fries, and Sierp.)
Fries, Friedrich A. (See Ebert, G., and Fries.)
Fries, Friedrich A. (See Ebert, G., Fries, and Reppe.)
Fries, Gustav W., F. W. Finkhousen, and L. J. Johnson, Fort Wayne, Ind. Tape winding machine. 1,811,229; June 23.
Fries, Joel S., Helenelund, assignor to Aktiebolaget Svenska Spiralfabriken, Stockholm, Sweden. Laminated spring. 1,813,617; July 7.
Friese, Kurt, Norwalk, Conn. Automobile axle and frame straightening device. 1,836,369; Dec. 15.
Friesen, Klaas N., Geneseo, Kans. Agricultural implement. 1,803,753; May 5.
Friess, Gustave A., Forest Hills, N. Y. Printing device. 1,815,731; July 21.
Friestedt, Sven H. (See Pensel, G. R., and Friestedt.)
Frieze, Harry L. et al. (See Childress, Donal, assignor.)
Frigidaire Corporation. (See Andrews, Frank W., assignor.)
Frigidaire Corporation. (See Arnolds, James C., assignor.)
Frigidaire Corporation. (See Bickle, Samuel E., assignor.)
Frigidaire Corporation. (See Blackmore, Lloyd, assignor.)
Frigidaire Corporation. (See Braeutigam, H. P., and Dickey, assignors.)
Frigidaire Corporation. (See Braeutigam, H. P., and Holbrook.)
Frigidaire Corporation. (See Buffington, Ralph M., assignor.)
Frigidaire Corporation. (See Buvinger, George A., assignor.)
Frigidaire Corporation. (See Candor, Robert R., assignor.)
Frigidaire Corporation. (See Carl, James W., assignor.)
Frigidaire Corporation. (See Chilton, Ralph H., assignor.)
Frigidaire Corporation. (See Chisholm, Theodore L., assignor.)
Frigidaire Corporation. (See Chryst, William A., assignor.)
Frigidaire Corporation. (See de Waal, Stanley, assignor.)
Frigidaire Corporation. (See Dickey, Ernest, assignor.)
Frigidaire Corporation. (See Dickey, Granville S., assignor.)
Frigidaire Corporation. (See Edel, Walter L., assignor.)
Frigidaire Corporation. (See Eisenlohr, Robert E., assignor.)
Frigidaire Corporation. (See Gardner, Charles F., assignor.)
Frigidaire Corporation. (See Geiler, Frederick C., assignor.)
Frigidaire Corporation. (See Geyer, Bertram B., assignor.)
Frigidaire Corporation. (See Heideman, Frederick J., assignor.)
Frigidaire Corporation. (See Henney, Charles F., assignor.)
Frigidaire Corporation. (See Hippee, Herndon P., assignor.)
Frigidaire Corporation. (See Hobart, Edward A., assignor.)
Frigidaire Corporation. (See Hofferberth, George F., assignor.)
Frigidaire Corporation. (See Holbrook, William C., assignor.)
Frigidaire Corporation. (See Holbrook, W. C., and Luneke, assignors.)
Frigidaire Corporation. (See Horlacher, Elmer L., assignor.)
Frigidaire Corporation. (See Hull, Harry B., assignor.)
Frigidaire Corporation. (See Hull, H. B., and Hofferberth, assignors.)
Frigidaire Corporation. (See James, Edward N., assignor.)
Frigidaire Corporation. (See Keighley, Lloyd M., assignor.)
Frigidaire Corporation. (See Kettering, Charles F., assignor.)
Frigidaire Corporation. (See Kettering, C. F., and Summers, assignors.)
Frigidaire Corporation. (See Keyes, Frederick G., assignor.)
Frigidaire Corporation. (See King, Jesse G., assignor.)
Frigidaire Corporation. (See Lehman, Herman F., assignor.)
Frigidaire Corporation. (See Maccabee, David E., assignor.)
Frigidaire Corporation. (See Macready, John A., assignor.)
Frigidaire Corporation. (See Macready, J. A., and Hodgson, assignors.)
Frigidaire Corporation. (See Midgley, T., jr., Henne, and McNary, assignors.)
Frigidaire Corporation. (See Miller, Ralph K., assignor.)
Frigidaire Corporation. (See Neal, Duane R., assignor.)
Frigidaire Corporation. (See Prugh, Samuel R., assignor.)
Frigidaire Corporation. (See Quarnstrom, Alfred, assignor.)
Frigidaire Corporation. (See Rauen, John T., assignor.)
Frigidaire Corporation. (See Reeves, Donald H., assignor.)
Frigidaire Corporation. (See Riedel, Walter W., assignor.)
Frigidaire Corporation. (See Ritter, C. C., and Williams, assignors.)
Frigidaire Corporation. (See Scheid, Edward M., assignor.)
Frigidaire Corporation. (See Schmieding, W. H. F., and Chisholm, assignors.)
Frigidaire Corporation. (See Schmieding, W. H. F., and King, assignors.)
Frigidaire Corporation. (See Shew, Walter E., assignor.)
Frigidaire Corporation. (See Slagel, Franklin G., assignor.)
Frigidaire Corporation. (See Smelker, Le Roy, assignor.)
Frigidaire Corporation. (See Smith, Harry F., assignor.)
Frigidaire Corporation. (See Smith, H. F., and Horlacher, assignors.)
Frigidaire Corporation. (See Smith, H. R., and Fish, assignor.)
Frigidaire Corporation. (See Stevenson, Francis E., assignor.)
Frigidaire Corporation. (See Stock, Anthony T., assignor.)
Frigidaire Corporation. (See Stout, E. O., and Summers, assignors.)
Frigidaire Corporation. (See Summers, Otto M., assignor.)
Frigidaire Corporation. (See Taylor, James F., assignor.)
Frigidaire Corporation. (See Vandoren, Bernard J., assignor.)
Frigidaire Corporation. (See Wayman, Charles R., assignor.)
Frigid Fluid Company. (See Kaiser, Ernest, assignor.)
Frigiola, Pasquale, New York, N. Y. Sash-cord fastener. 1,800,063; Apr. 7.
Friis, Harald T. (See Bruce, Edmond, and Friis, assignors.)
Friis, Harald T., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated. High-frequency-oscillation generator. 1,795,648; Mar. 10.

Frine, George F., Sodus, N. Y. Fruit washing machine. 1,824,814; Sept. 29.
Frink, C. H., Clayton, N. Y. Sidewalk snowplow. 1,803,754; May 5.
Frink, Carl H., Clayton, N. Y. Snowplow. 1,794,070; Feb. 24.
Frink, Robert L., Lancaster, Ohio. Retaining and sealing furnace structures. 1,816,322; July 28.
Frink, Robert L., Lancaster, Ohio. Refractory article. 1,823,356; Sept. 15.
Frink, Robert L., Lancaster, Ohio. Making sheet glass. 1,823,357; Sept. 15.
Frink, Walter J., Chattanooga, Tenn. Hobbyhorse. 1,800,013; Apr. 7.
Frink, Wilbur G. (See Young, J. H., and Frink.)
Frisbee, Franklin S., et al. (See Roberts, Henry P., assignor.)
Frisbie, Raymond H., Kewaunee, Wis. Manure loader. 1,788,097; Jan. 6.
Frisbie, Raymond H., Kewaunee, Wis. Manure loader. 1,805,818; May 19.
Frisby, William A., Houston, Tex. Tourist's outfit. 1,825,183; Sept. 29.
Frisch, Arthur, Brooklyn, N. Y. Doll-head and the like. 1,807,207; May 26.
Frisch, August, Rebstein, Switzerland. Measuring device. 1,798,076; Mar. 24.
Frisch, Edwin, assignor to North American Press., Milwaukee, Wis. Folding machine. 1,832,376; Nov. 17.
Frisch, Francis A. (See Sönnichsen, F., Frisch, and Nicolaysen.)
Frisch, Martin, New York, N. Y., and E. Lundgren, Frederick, Md., assignors to International Combustion Engineering Corporation, New York, N. Y. Slagging furnace. 1,838,667; Dec. 29.
Frisch, Morris A., Brooklyn, and L. V. Rosenberg, Bronx, N. Y.; said Rosenberg assignor to said Frisch. Adhesive applying device. 1,825,389; Sept. 29.
Frischer, Hermann, Cologne-Lindenthal, Germany. Promoting chemical reactions. 1,834,693; Dec. 1.
Frissell Fabric Company. (See Frissell, Frank H., assignor.)
Frissell, Frank H., assignor to Frissell Fabric Company, Middletown, Conn. Support for reels of strip material. 1,795,597; Mar. 10.
Frist, Archie C. (See Mills, W. C., and Frist.)
Frist, Robert P., jr., Long Beach, Calif. Centrifugal casting machine. 1,805,168; May 12.
Fristad, Carl G. (See Lang, Andrew, assignor.)
Frister, Fritz. (See Kalischer, G., and Frister.)
Fritsch, Egon, assignor to L. Kutter, Vienna, Austria. Fountain-pen holder. 1,789,522; Jan. 20.
Fritsch, Frank, Detroit, Mich. Automobile bumper. 1,799,894; Apr. 7.
Fritsch, Hermann, Swinemunde, Germany, assignor to Messrs. Fox, Stockwell & Company, London, England. Bituminous road surface. 1,834,835; Dec. 1.
Fritsch, Paul. (See Berthold, R. G., and Fritsch.)
Fritsch, Wenzel, Budapest, Hungary. Shampooing appliance for hairdressers' chairs. 1,802,890; Apr. 28.
Fritts, Charles B., Kansas City, Kans. Bumperette trunk rack. 1,804,761; May 12.
Fritts, George E., Harbor City, Calif. Sucker-rod elevator. 1,789,701; Jan. 20.
Fritz, Andrew E. (See Goenen, L. E., Garrow, and Fritz.)
Fritz, Clifford, Milwaukee, Wis. Mounting the propeller and its prime mover on an aircraft. 1,824,882; Sept. 29.
Fritz-Cross Company, The. (See Goenen, L. E., Garrow, and Fritz, assignors.)
Fritzenwallner, Conrad, Cincinnati, Ohio. Dental flask. 1,796,597; Mar. 17.
Fritzenwallner, Conrad, Cincinnati, Ohio. Dental articulator. 1,814,750; July 14.
Fritzsche, Curt, Leipzig, Germany. Process and apparatus for casting metals and ceramic masses according to the centrifuging method. 1,823,037; Sept. 15.
Fritzsche, Johannes, Wiener Neustadt, near Vienna, Austria. Manufacturing safety fuses. 1,799,012; Mar. 31.
Fritzsche, Paul, assignor to the Firm: Carl Still, Recklinghausen, Germany. Recovering sulphuric acid from the acid-tar of benzol purification. 1,835,941; Dec. 8.
Friz, Adolf, Stuttgart-Cannstatt, Germany. Press. 1,819,704; Aug. 18.
Froboese, Gustav, New York, N. Y., and A. Hochenberger, Jersey City, N. J. Device for setting up color combinations. 1,789,228; Jan. 13.
Frock, Oscar J., Philadelphia, Pa. Double acting hydraulic brake applying apparatus. 1,838,668; Dec. 29.
Froehlich, Arthur B., Chicago, Ill. Printing mechanism. 1,804,160; May 5.
Froelich, Oscar E. H., Queens Village, assignor to Ward Motor Vehicle Company, Mount Vernon, N. Y. Driving mechanism for motor vehicles. 1,824,014; Sept. 22.
Froesch, Charles, assignor to International Motor Company, New York, N. Y. Automatic control for field resistance. 1,791,164; Feb. 3.
Froesch, Charles, Teaneck, N. J., assignor to International Motor Company, New York, N. Y. Bus. 1,797,858. Mar. 24.
Froeschauer, Daniel, and S. Randall; said Randall assignor to said Froeschauer, Brooklyn, N. Y. Gold-beating machine. 1,797,136; Mar. 17.
Froeschl, Otto P., Kansas City, Mo. Pliers. 1,800,447; Apr. 14.
Froger, Henricus, The Hague, Netherlands. Electrical remote control system. 1,809,686; June 9.
Froget, Andre, Paris, France, assignor to Holophane Company, Inc., New York, N. Y. Luminair. 1,839,022; Dec. 29.
Frohberg, Arno. (See Scholz, W., and Frohberg.)
Fröhlich, Ernst, Essen, Germany, assignor to The Hannauer Car Retarder Company, Gilson, Ind. Railway car retarder apparatus. 1,812,691; June 30.
Fröhlich, Hans, Zug, Switzerland, assignor to Landis & Gyr, A-G. Induction meter. 1,812,331; June 30.
Fröhlich, Hans, and T. Hausch, assignors to Landis & Gyr, A. G., Zug, Switzerland. Induction meter. 1,812,332; June 30.
Frohlich, Jaroslaw. (See Bommer, M., de Montmollin, Frohlich, Grieshaber, Jaeck, and Felix.)
Frohman, Emanuel. (See Stewart, Walter C., assignor.)
Frohman, Jacob S., New York, N. Y. Shoe. 1,795,769; Mar. 10.
Frohmann, John, St. Louis, Mo. Closure for collapsible tubes. 1,838,384; Dec. 29.
Frohring, William O., assignor, by mesne assignments to The Telling Belle Vernon Company, Cleveland, Ohio. Making liquid malted milk. 1,810,518; June 16.
Frölich, Ernst, Essen, Germany, assignor to The Hannauer Car Retarder Company, Gibson, Ind. Car retarder for railway switching yards. 1,787,818; Jan. 6.
Fromert, Marie E., East Rockaway, N. Y. Powder puff or dip. 1,811,749; June 23.
Fromknecht, Bernard M., assignor to The Griswold Manufacturing Company, Erie, Pa. Waffle iron. 1,806,196; May 19.
Fromm, Edward, Iowa Falls, Iowa. Starter mechanism. 1,805,944; May 19.
Frommeyer, James G., Cincinnati, Ohio. Stepladder. 1,829,346; Oct. 27.
Fromonot, Jean, Le Peage de Roussillon, France, assignor, by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Skeining. 1,789,702; Jan. 20.
Fromont, Louis, Brussels, Belgium. Roller for window shades and window shade sticks. 1,809,779; June 9.
Fromuth, August G., Philadelphia, Pa., assignor to Alva Carpet & Rug Company. Weaving. 1,795,770; Mar. 10.
Frone, Robert A., Detroit, Mich. Steering device for automobiles. 1,827,428; Oct. 13.
Fronk, William. (See Franklin, C. B., and Fronk.)
Frontier Development Company, The. (See Manifold, Richard G., assignor.)
Frost, Arthur E., Sheffield, England. Laminated spring. 1,814,682; July 14.
Frost, C. E., et al. (See Dalke, Otto, assignor.)
Frost Electric Screen Co. (See Frost, William M., assignor.)
Frost, George, Company. (See Glidden, George B., assignor.)
Frost, George W., Springfield, Ill. Awning. 1,800,618; Apr. 14.
Frost, John A., Carthage, N. Y., assignor to National Paper Products Company, San Francisco, Calif. Dispensing cabinet. 1,794,890; Mar. 3.
Frost, Leslie E., Wilkinsburg, and B. V. McBride, Irwin, Pa., assignors to Westinghouse Electric and Manufacturing Company. Apparatus for plating small articles. 1,835,643; Dec. 8.
Frost and Seese. (See Seese, Robert S., assignor.)
Frost, Thomas H., Cambridge, Mass. Fine edged blade. 1,827,870; Oct. 20.
Frost, Thomas H., Cambridge, Mass. Fine edged blade. 1,827,871; Oct. 20.
Frost, Thomas H., Cambridge, Mass. Fine edged blade. 1,827,872; Oct. 20.
Frost, Thomas H., Cambridge, Mass. Cutting tool. 1,839,023; Dec. 29.
Frost, William M., assignor to Frost Electric Screen Co., Spokane, Wash. Insect trap. Re18,294; Dec. 22.
Frostad, George O., assignor to The National Paper Can Company, Milwaukee, Wis. Tube-winding machinery. 1,790,909; Feb. 3.
Frostad, George O., and J. E. Annen, assignors to The National Paper Can Company, Milwaukee, Wis. Feed for disks or the like. 1,790,910; Feb. 3.
Frosted Foods Company. (See Barry, James J., assignor.)
Frosted Foods Company. (See Barry, J. J., and Murray, assignors.)
Frosted Foods Company. (See Birdseye, Clarence, assignor.)
Frosted Foods Company. (See Birdseye, C., and Hall, assignors.)
Frosted Foods Company. (See Hall, Bicknell, assignor.)
Froussard, Albert F., St. Louis, Mo. Shaft coupling. 1,802,342; Apr. 28.
Froussard, Albert F., St. Louis, Mo. Shaft coupling. 1,834,521; Dec. 1.
Frowein, Friedrich, and E. Rahlfs, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of potassium nitrate. 1,835,704; Dec. 8.
Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)
Fruehauf Trailer Company. (See Reid, F. M., Schon, and Eason, assignors.)
Fruit Belt Preserving Cimpany. (See Wegner, Walter F., assignor.)

Fruth, Hal F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Microphonic material and method of producing the same. 1,833,640; Nov. 24.
Fruth, Hal F., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Microphonic material and producing the same. 1,833,641; Nov. 24.
Fruth, Hal F., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Sound generating and sound responsive device. 1,833,642; Nov. 24.
Frutkow, Nathaniel, and A. J. Viken, Chicago, Ill. Diagnostic table. 1,823,534; Sept. 15.
Frutkow, Nathaniel, and A. J. Viken, Chicago, Ill. Therapeutic lamp. 1,823,535; Sept. 15.
Fry, Adolf, Essen, Germany, assignor, by mesne assignments, to The Nitralloy Corporation. Externally hardening cast iron and article of manufacture produced thereby. 1,826,656; Oct. 6.
Fry, Adolf, Essen, Germany, assignor, by mesne assignments, to The Nitralloy Corporation. Steel alloy. 1,835,151; Dec. 8.
Fry, Benjamin L., assignor to National Sales Machine Company, St. Louis, Mo. Coin controlled mechanism. 1,819,413; Aug. 18.
Fry, Charles A., C. Harsh, and R. M. Schory, Minerva, assignors to The Metropolitan Paving Brick Company, Canton, Ohio. Ceramic block cutting apparatus and process. 1,828,462; Oct. 20.
Fry Equipment Corporation, The. (See Moulton, Rollin H., assignor.)
Fry, Frank L., Marshalltown, Iowa. Adjustable guide for sliding doors. 1,793,923; Feb. 24.
Fry, John W., Struthers, Ohio. Flying machine. 1,810,136; June 16.
Fry, Lawford H., Burnham, and E. M. Shannon, Bala, Pa. Crosshead. 1,819,887; Aug. 18.
Fry, Orlander W., assignor to O. R. Fuller Co., Los Angeles, Calif. Vehicle spring. 1,816,009; July 28.
Fry, Thornton C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission circuit. 1,799,810; Apr. 7.
Fry, Thornton C., Wyoming, N. J., and D. J. Struik, Cambridge, Mass., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distortion correction in transmission systems. 1,836,844; Dec. 15.
Fry, Walter L., Scarsdale, assignor, by mesne assignments, to Wil-Fry Corporation, New York, N. Y. Cover for seat side arm. 1,809,292; June 9.
Fry, Walter L., Scarsdale, assignor, by mesne assignments, to Wil-Fry Corporation, New York, N. Y. Seat cover. 1,835,769; Dec. 8.
Fry, William A., Pueblo, Colo. Fluid motor. 1,789,703; Jan. 20.
Frye, Charles O., East Orange, N. J., assignor to Newark Metal Screen Company, Inc. Combined window and screen. 1,837,538; Dec. 22.
Frye, Howard E., Lyman, Nebr. Liquid dispensing apparatus. 1,836,313; Dec. 15.
Frye, Ira O., Beacon, Iowa. Egg-crate lid-retaining means. 1,793,078; Feb. 17.
Frye, Jason S., Sacramento, Calif. Valve lifter. 1,791,961; Feb. 10.
Frye, Lee E., San Francisco, Calif. Shoe-shining foot support. 1,795,292; Mar. 10.
Frye, Ray F., Cleveland, Ohio. Repair plug. 1,797,766; Mar. 24.
Frye, Richard T., Blauvelt, N. Y. Floor drain. 1,828,601; Oct. 20.
Frye, Robert P., Marlboro, Mass. Reinforced inner sole and reinforcing the same. 1,838,097; Dec. 29.
Frykman, August, Bottineau, N. Dak. Wheel aligning device. 1,829,133; Oct. 27.
Frymoyer, Webster W., assignor to The Foxboro Company, Foxboro, Mass. Control mechanism. 1,799,131; Mar. 31.
Fuchs, Carl, Zurich, Switzerland. Hair-drying apparatus. 1,793,313; Feb. 17.
Fuchs, Edward L. and W. L., St. Louis, Mo. Embossing fabrics. 1,817,184; Aug. 4.
Fuchs, Frederick W., assignor to Turbine Sewer Machine Company, Milwaukee, Wis. Coupling member for conduit rods, pump rods, etc. 1,807,782; June 2.
Fuchs, Fritz, Vienna, Austria. Preventing the sliding or skidding of vehicles. 1,824,815; Sept. 29.
Fuchs, Otto. (See Roka, K., and Fuchs.)
Fuchs, Otto, Konstanz, assignor, by mesne assignments, to the firm of Deutsche Goldund Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Production of esters. 1,791,238; Feb. 3.
Fuchs, Philip A., Milwaukee, assignor to Turbine Sewer Machine Company, Wauwatosa, Wis. Apparatus for opening clogged sewers. 1,801,497; Apr. 21.
Fuchs, Wilhelm, Budapest, Hungary. Tipping coin plate. 1,833,565; Nov. 24.
Fuchs, William L. (See Fuchs, Edward L. and W. L.)
Fudge, Sidney L. (See Johnson, William P., assignor.)
Fuehrer, George H. (See Smith, W. A., jr., and Fuehrer.)
Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera construction. 1,823,266; Sept. 15.
Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Self erecting front focusing camera. 1,826,243; Oct. 6.
Fuerst, Edwin W., Toledo, Ohio. Bottle. Des. 84,887; Aug. 18.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle cap. Des. 84,239; May 26.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 84,333; June 9.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 84,690; July 21.
Fuerst, Edwin W., Toledo, Ohio, assignor to Cloverdale Spring Company, Baltimore, Md. Bottle. Des. 85,233; Sept. 29.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. Des. 85,379; Oct. 20.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 85,471; Nov. 3.
Fuerstenau, Herbert F., Hazel, S. Dak. Hand portable gutter manure loader. 1,788,995; Jan. 13.
Fuertinger, Andrew. (See Konoff, A., and Fuertinger.)
Fuertinger, Andrew. (See Marcus, S., and Fuertinger.)
Fugle, Charles H., C. H. Ostenberg, A. W. Maglein, Joseph M. Trudo, and Andy Newton, Duluth, Minn. Adjustable cam for cable cars. 1,799,161; Apr. 7.
Fuhremann, Jacob L., Berlin, Wis. Vegetable-snipping machine. 1,794,009; Feb. 24.
Fuhrman, Alvin O. (See McKay, H. J., Carlsen, Fuhrman, and Unzel.)
Fuhrmann, Warren, Westfield, N. J. Clothesline control. 1,837,035; Dec. 15.
Fujikawa, Kay, Salt Lake City, Utah. Wheel lift for agricultural implements. 1,796,516; Mar. 17.
Fujita, Masa, Fukuiken, Japan. Automatic switch for telephones. 1,835,385; Dec. 8.
Fulcher, Carlton J., Early, Iowa. Twine container. 1,809,029; June 9.
Fulcher, William H., and C. H. Wood, Oakland, Calif. Method and apparatus for making containers of vegetative pulp. 1,822,020; Sept. 8.
Fulenwider, Harry, and H. Norris, assignors to Southern States Iron Roofing Company, Savannah, Ga. Turpentine cup. 1,799,553; Apr. 7.
Fulford Mfg. Co. (See Saccoccia, Nicholas, assignor.)
Fulgora, Fred, Pittsburgh, Pa. Producing a background for moving pictures. 1,806,452; May 19.
Fulk, Hal R., Mulvane, Kans. Grease-gun nozzle. 1,794,286; Feb. 24.
Fulknier, Danial M., jr., and E. R. Stanley, Dunbar, W. Va. Combination hoe and rake. 1,794,284; Feb. 24.
Full, George D., Winnetka, assignor to Dudley Lock Corporation, Chicago, Ill. Permutation lock for door latch. 1,816,575; July 28.
Fullemann, Gottfried. (See Steinbuch, E., and Fullemann.)
Fuller, Arthur G., assignor to Draper Corporation, Hopedale, Mass. Antisloughing device. 1,830,509; Nov. 3.
Fuller, Bert F., St. Louis, Mo., assignor to Westinghouse Electric & Manufacturing Company. Distributing panel block. 1,794,952; Mar. 3.
Fuller Brush Company, The. (See Adams, Frank W., assignor.)
Fuller Brush Company, The. (See Cave, Henry, assignor.)
Fuller Brush Company, The. (See Matteson, George F., assignor.)
Fuller Brush Company, The. (See Smith, Curtiss F., assignor.)
Fuller Brush Company, The. (See Thacher, John J., assignor.)
Fuller, Charles H., Portland, Oreg. Davit for lifeboats. 1,828,363; Oct. 20.
Fuller, Clarence W. (See Bruno, William A., assignor.)
Fuller Company. (See Manico, Leonard, assignor.)
Fuller Company, The. (See Miller, Jacob C., assignor.)
Fuller Company. (See Morrow, Joseph H., assignor.)
Fuller, Frank A., and C. M. Moore, Erie, Pa., assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Dipper trip. 1,828,965; Oct. 27.
Fuller, Frank F., Elizabeth, N. J. Automatic piling lubricator. 1,822,208; Sept. 8.
Fuller, Frederic B. (See Smith, E. L., and Fuller.)
Fuller, Frederic B., assignor to Package Machinery Company, Springfield, Mass. Mechanical movement. 1,788,098; Jan. 6.
Fuller, Frederick L., Ilion, N. Y., assignor to Remington Arms Company, Inc. Cash register. 1,799,682; Apr. 7.
Fuller, Frederick L., Trenton, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Magnifying device. 1,804,464; May 12.
Fuller, Frederick L., Trenton, N. J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,839,174; Dec. 29.
Fuller, George L., Orangeburg, S. C. Door holder. 1,805,169; May 12.
Fuller, Harold E., Forest Hills, assignor to De Forest Radio Company, New York, N. Y. Audion receptacle. 1,800,827; Apr. 14.
Fuller, Henry W., Christmas, Ariz. Drill support. 1,833,781; Nov. 24.
Fuller, Herbert M., Bradenton, Fla. Automatic bookmark. 1,813,446; July 7.
Fuller, James E., assignor to New York Knife Company, New York, N. Y. Pocketknife. 1,803,899; May 5.
Fuller, Joseph M. (See Glass, Theodore J., assignor.)
Fuller Lehigh Company. (See Bailey, E. G., and Hardgrove, assignors.)
Fuller Lehigh Company. (See Black, John E., assignor.)

Fuller Lehigh Company. (See Clements, Warren F., assignor.)
Fuller Lehigh Company. (See Davy, Christopher H., assignor.)
Fuller Lehigh Company. (See Heller, Lewis W., assignor.)
Fuller Lehigh Company. (See Jacobus, David S., assignor.)
Fuller Lehigh Company. (See Jacobus, D. S., and Lewis.)
Fuller Lehigh Company. (See Jones, Michael D., assignor.)
Fuller Lehigh Company. (See Kaemmerling, Gustav H., assignor.)
Fuller Lehigh Company. (See Lewis, Nathan E., assignor.)
Fuller Lehigh Company. (See Lucke, Charles E., assignor.)
Fuller Lehigh Company. (See Monroe, William S., assignor.)
Fuller Lehigh Company. (See Shellenberger, Rolfe, assignor.)
Fuller Lehigh Company. (See Spyer, Arthur, assignor.)
Fuller, Leo H., Inc. (See Borregard, Ernst, assignor.)
Fuller, O. R., Co. (See Fry, Orlander W., assignor.)
Fuller, Ora F., South Bend, Ind. Rotary bottle holder and display rack. 1,787,898; Jan. 6.
Fuller, Ora F., South Bend, Ind. Recorder. 1,829,272; Oct. 27.
Fuller, Richard B., Lawrence, N. Y., assignor, by mesne assignments to The Soundex Corporation. Manufacturing fibrous blocks. 1,805,981; May 19.
Fuller, Roger A., Philadelphia, Pa., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,800,014; Apr. 7.
Fuller, Theodore S., Montclair, N. J. Device for dispensing pipe cleaners. 1,805,619; May 19.
Fullerton, Stephen W., Flushing, assignor to Claude Neon Lights, Inc., New York, N. Y. Illuminating device. 1,826,389; Oct. 6.
Fullilove, John A., Market Harborough, England. Casting large accumulator plates. 1,806,848; May 26.
Fullips, George A., Detroit, Mich., assignor to G. J. Hewlett, Cleveland, Ohio. Bottle brushing mechanism. 1,825,724; Oct. 6.
Fullman, James M. G., Sewickley, Pa., assignor to National Electric Products Corporation, New York, N. Y. Fastening means for separable parts. 1,796,781; Mar. 17.
Fullman, James M. G., Sewickley, Pa., assignor to National Electric Products Corporation, New York, N. Y. Supporting bracket for outlet boxes and the like. 1,801,550; Apr. 21.
Fullman, James M. G., Sewickley, Pa., assignor to National Electric Products Corporation. Outlet box connecter. 1,809,840; June 16.
Fullman, James M. G., Sewickley, Pa., assignor to National Electric Products Corporation, New York, N. Y. Armored cable connecter fitting. 1,810,958; June 23.
Fullman, James M. G., Sewickley, Pa., assignor to National Electric Products Corporation, New York, N. Y. Fitting for underfloor duct systems. 1,831,855; Nov. 17.
Fullman, James M. G., Sewickley, Pa., assignor to National Electric Products Corporation, New York, N. Y. Connecter for electrical conduit systems. 1,831,856; Nov. 17.
Fullman, James M. G., Sewickley, Pa., and G. A. Lutz, Plainfield, N. J., assignors to National Electric Products Corporation, New York, N. Y. Wall box base for conduit systems. 1,818,389; Aug. 11.
Fullmer, George, deceased, Benwood, W. Va.; K. Fullmer, administratrix. Reenforcement for pipe-line joints. 1,790,266; Jan. 27.
Fullmer, Giles C., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Focusing spotlight. 1,821,430; Sept. 1.
Fullmer, Katherine, administratrix. (See Fullmer, George.)
Fullmer, Theodore E. (See Ward, Andrew A., assignor.)
Fulmer, Frederick H., jr., assignor to Thomas W. Buck Hosiery Co., Philadelphia, Pa. Fabric take-up for knitting machines. 1,838,055; Dec. 22.
Fulmer, Joseph H., Nazareth, Pa. Apparatus for artificially curing hay. 1,788,099; Jan. 6.
Fulmer, Joseph H., Nazareth, Pa. Feeding device. 1,814,683; July 14.
Fulton Bag & Cotton Mills. (See Forrester, Samuel C., assignor.)
Fulton Company, The. (See Thorp, Joel R., assignor.)
Fulton Company, The. (See Thorp, J. R., and Fausch, assignors.)
Fulton, George, Oak Park, Ill., assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. Des. 84,520; June 30.
Fulton, Harold, West Dover, Ohio. Clothesline. 1,826,064; Oct. 6.
Fulton, Harry R., and J. J. Bowman, Washington, D. C. Treatment of fruit for the prevention of decay. 1,797,572; Mar. 24.
Fulton, Harry R., and J. J. Bowman, Washington, D. C. Treatment of fruit for the prevention of decay. 1,797,573; Mar. 24.
Fulton Iron Works Company. (See Hegenbarth, Francis, assignor.)
Fulton Iron Works Company. (See Hildebrand, Reinhard, assignor.)
Fulton, Karl H., and M. T. Inman, jr., Pittsburgh, assignors to C. P. Byrnes, trustee, Sewickley, Pa. Insecticide and fungicide mixture. 1,826,065; Oct. 6.
Fulton, Lyle H., assignor to Rail Appliance Corporation, Nashville, Tenn. Reversible switch point guard. 1,826,657; Oct. 6.
Fulton, Nell, New York, N. Y. Hair waver. 1,795,598; Mar. 10.
Fulton, Nell, New York, N. Y. Hair curler. 1,824,883; Sept. 29.
Fulton, Stephen M. (See Palmer, C. W., and Fulton.)
Fulton Sylphon Company, The. (See Carson, William W., jr., assignor.)
Fulton Sylphon Company, The. (See Fulton, W. M., and Giesler, assignors.)
Fulton Sylphon Company, The. (See Giesler, Jean V., assignor.)
Fulton Sylphon Company, The. (See Giesler, J. V., and Carson, assignors.)
Fulton Sylphon Company, The. (See Lyhne, William S., assignor.)
Fulton Sylphon Company, The. (See Price, Lewis C., assignor.)
Fulton Sylphon Company, The. (See Reeder, Frank C., assignor.)
Fulton Tool Works. (See McGlothlen, John L., assignor.)
Fulton, Weston M., and J. V. Giesler, assignors to The Fulton Sylphon Company, Knoxville, Tenn. Flexible tubular corrugated wall. 1,801,498; Apr. 21.
Fultz, Miles E., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal and control system. 1,788,513; Jan. 13.
Ful-Vue Sales Company, The. (See Emons, Ernest E., assignor.)
Ful-Vue Sales Company, The. (See Smith, John A., assignor.)
Funchess, Fred H., assignor to Budlong & Funchess Motor Products Co., Hanford, Calif. Regrooving tool. 1,820,792; Aug. 25.
Funderburk, Perry. (See Kubin, V. J., and Funderburk.)
Fundom, Earl H., Kenton, Ohio. Excavating scoop. 1,824,989; Sept. 29.
Fundom, Earl H., Lima, Ohio, assignor to Pettibone Mulliken Company, Chicago, Ill. Dipper bucket. 1,816,522; July 28.
Fundom, Earl H., assignor to The Fundom Hoist & Shovel Co., Lima, Ohio. Power shovel. 1,823,137; Sept. 15.
Fundom Hoist & Shovel Co., The. (See Fundom, Earl H., assignor.)
Funk, Arthur S., and E. S. Bott, assignors to La Crosse Rubber Mills Co., La Crosse, Wis. Athletic shoe. Des. 83,854; Apr. 7.
Funk, Charles J., Chicago, Ill., assignor, by mesne assignments, to The Tefra Co., Wilmington, Del. Toothbrush. 1,800,993; Apr. 14.
Funk, Forest J. (See Engelmann, M., and Funk.)
Funk, Forest J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Seed disinfectant. 1,793,686; Feb. 24.
Funk, Forest J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Seed disinfectant. 1,793,922; Feb. 24.
Funk, Forest J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Seed disinfectant. 1,819,953; Aug. 18.
Funk, Forest J., Wilmington, assignor, by mesne assignments, to The Eastern Alcohol Corporation, Wilmington, Del. Butyl alcohol and acetone fermentation process. 1,822,139; Sept. 8.
Funk, Ira B., Alhambra, Calif. Oil-refining process and apparatus. 1,789,173; Jan. 13.
Funk, Otto, Cologne-Mulheim, Germany. Freight truck. 1,802,809; Apr. 28.
Funk, Robert V. (See Schmitt, William H., assignor.)
Funk, Wilbur F., Midland Beach, and E. T. Kruglak, Jackson Heights, Long Island, N. Y. Method and apparatus for synchronism and automatic phase correction. 1,812,778; June 30.
Funston, Frederick D. (See Kindl, C. H., and Funston.)
Fuoss, Raymond M. (See Simons, F. L., Skinner, and Fuoss.)
Fuqua, Clarence V., Kansas City, Mo. Apparatus for reclaiming used petroleum products. 1,791,809; Feb. 10.
Fuqua, Clarence V., Kansas City, Mo. Fluid clarifying apparatus. 1,822,021; Sept. 8.
Fuqua, Clarence V., assignor to The Cleaners Equipment Corporation, Kansas City, Mo. Control for gauge glasses. 1,791,354; Feb. 3.
Fuqua, Clarence V., assignor to The Cleaners Equipment Corporation, Kansas City, Mo. Batch renovator. 1,793,475; Feb. 24.
Fuqua, Clarence V., assignor to The Cleaners Equipment Corporation, Kansas City, Mo. Saponification tank. 1,803,011; Apr. 28.
Furber, Frederick M., deceased, Revere, Mass.; Samuel R. Cutler, administrator, Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fluid-applying machine. 1,793,687; Feb. 24.
Furbush, Frank L. (See Sargent, C. G., and Furbush.)
Furgang, Benjamin, Brooklyn, N. Y. Fur treating device. 1,811,750; June 23.
Furgason, Claude E., assignor to Reo Motor Car Company, Lansing, Mich. Self oiling shackle or hanger for springs. 1,801,732; Apr. 21.

Furgason, Claude E., assignor to Reo Motor Car Company, Lansing, Mich. Universal joint. 1,826,611; Oct. 6.
Fur Guide Machine Corporation. (See Ross, Harry, assignor.)
Furlager Manufacturing Company. (See Friedberg, Leonard, assignor.)
Furlong, Francis A., assignor to Republic Flow Meters Company, Chicago, Ill. Measuring apparatus. 1,838,018; Dec. 22.
Furlong, Lewis A., Newburyport, Mass. Trellis. Des. 83,796; Mar. 31.
Furlong, Roland A., assignor to The Yawman & Erbe Manufacturing Company, Rochester, N. Y. Locking cabinet door. 1,823,536; Sept. 15.
Furlong, Roland A., assignor to The Yawman & Erbe Manufacturing Company, Rochester, N. Y. Divider board for filing drawers. 1,836,234; Dec. 15.
Furlong, Roland A., assignor to The Yawman & Erbe Manufacturing Company, Rochester, N. Y. Visible index card holder. 1,836,235; Dec. 15.
Furman, Abraham P., New York, N. Y., assignor, by mesne assignments, to Corticelli Silk Company, New London, Conn. Treatment of animal fiber and the product. 1,811,119; June 23.
Furman, Abraham P., assignor to Thames Silk Company, New London, Conn. Apparatus and method for spinning fibers in precipitating baths. 1,818,549; Aug. 11.
Furman, Eugene C., Newport News, Va. Fluid-tight joint. 1,791,810; Feb. 10.
Furman, Florus S., Roxbury, N. Y. Manure spreader. 1,834,022; Dec. 1.
Furman, George, assignor to The Beardsley & Piper Company, Chicago, Ill. Mold for founding. 1,837,320; Dec. 22.
Furnace Engineering Company. (See Drake, W. C., and Priebe, assignors.)
Furnace Engineering Company. (See Priebe, E. B., and Miner, assignors.)
Furnas, William C., West Allis, Wis. Magnetic clutch. 1,826,929; Oct. 13.
Furness Corporation. (See Furness, William H., assignor.)
Furness Corporation. (See Nonamaker, Frederick C., assignor.)
Furness, William H., National Park, N. J., assignor to Cellocilk Company, Philadelphia, Pa. Apparatus for making artificial silk thread. 1,788,484; Jan. 13.
Furness, William H., National Park, N. J., assignor to Cellocilk Company, Philadelphia, Pa. Making copper hydroxide. 1,800,828; Apr. 14.
Furness, William H., National Park, N. J., assignor to Furness Corporation, Philadelphia, Pa. Artificial-silk-thread handling apparatus. 1,800,829; Apr. 14.
Furness, William H., National Park, N. J., assignor to Furness Corporation, Philadelphia, Pa. Cake spool. 1,811,386; June 23.
Furness, William H., National Park, N. J., assignor to Furness Corporation, Philadelphia, Pa. Artificial silk making apparatus. 1,819,020; Aug. 18.
Furness, William H., National Park, N. J., assignor to Cellocilk Company, Philadelphia, Pa. Apparatus for winding artificial silk thread. 1,829,986; Nov. 3.
Furr, Harry L., Washington, D. C., assignor of two per cent to F. J. Ellsworth and five per cent to H. W. Steigel, Staunton, Va. Signal switch for motor vehicles. 1,807,285; May 26.
Furrer, Emery C., Chicago, Ill. Device for indicating market quotations. 1,788,100; Jan. 6.
Furrer, Emery C., Chicago, Ill. Device for indicating market quotations. 1,800,286; Apr. 14.
Furrer, Rudolph, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Welded pipe joint and making same. 1,810,825; June 16.
Furrer, Samuel S., assignor to Brenneis Manufacturing Company, Oxnard, Calif. Centralizing draft connection for agricultural vehicles. 1,830,993; Nov. 10.
Furrer, Samuel S., assignor to Brenneis Manufacturing Company, Oxnard, Calif. Power lift harrow. 1,838,176; Dec. 29.
Furstenberger, Francis W., and C. C. Deeds, Terre Haute, Ind. Shelf attached article supporting bracket. 1,813,155; July 7.
Furtow, Albert M., Mount Clemens, Mich. Wheel rim and tire lock. 1,816,147; July 28.
Fusaline, Incorporated. (See Lang, C. A., and Gamble, assignors.)
Fusaline, Inc. (See McKendirck, Paul C., assignor.)
Fusco, John, and J. Lascari, Lodi, and F. Marrone, Garfield, N. J. Construction block. 1,789,099; Jan. 13.
Fusmer, Leon H., Canajoharie, N. Y. Automobile plate holder. 1,815,767; July 21.
Füssel, Herbert, assignor to Getriebebau G. m. b. H., Dresden, Germany. Intermittent actuating gear. 1,814,030; July 14.
Fust, Robert, Glogau, Germany. Matrix for use in dentistry. 1,833,247; Nov. 24.
Futral, Richard, assignor to St. Louis Stove Company, St. Louis, Mo. Stove. 1,792,487; Feb. 17.
Fyfe, Charles E., Cedarhurst, N. Y. Wheel chock. 1,801,809; Apr. 21.
Fykse, Mitchell L., South Milwaukee, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Back digging shovel. 1,829,987; Nov. 3.
Fyr-Fyter Company, The. (See Iddings, Roscoe C., assignor.)
Fyske, Mitchell L., and R. S. Hoar, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Dumping device for back-digging shovels. 1,794,104; Feb. 24.
G. C. A. Manufacturing Company, The. (See Grinnell, Harold D., assignor.)
G. & D. Manufacturing Company Proprietary Limited. (See Day, Alfred C., assignor.)
G. E. Manufacturers Limited. (See Smith, Sidney, assignor.)
G & G Atlas Systems. (See Stoetzel, Joseph J., assignor.)
G & G Atlas Systems, Inc. (See Scanlan, Joseph M., assignor.)
G-M Laboratories, Inc. (See McMaster, A. J., and Parson, assignors.)
G & O Manufacturing Company, The. (See Oppe, Charles, assignor.)
G. Polysius Aktiengesellschaft. (See Goebels, Paul, assignor.)
G & W Electric Specialty Company. (See Edmonds, George P., assignor.)
G. and W. Electric Specialty Company. (See Rah, Joseph, assignor.)
G & W Electric Specialty Co. (See Williams, Paul F., assignor.)
Gaars, Wilhelm, J. Sorge, and M. Schleicher, Berlin-Charlottenburg, assignors to Siemens & Halske, Aktiengesellschaft,, Siemenstadt, near Berlin, Germany. Protection of electric lines or line systems. 1,824,476; Sept. 22
Gaarz, Wilhelm, Berlin-Charlottenburg, and J. Dalchau, Berlin-Tegel, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Summation meter. 1,809,269; June 9.
Gaba, Lester, New York, assignor to The Lamp Studio, Utica, N. Y. Statuette. Des. 83,433; Feb. 24.
Gaba, Lester, New York, assignor to The Lamp Studio, Utica, N. Y. Statuette. Des. 83,434; Feb. 24.
Gaba, Lester, New York, assignor to The Lamp Studio, Utica, N. Y. Statuette. Des. 83,435; Feb. 24.
Gäbel, Friedrich A. R. (See Eck, Richard, assignor.)
Gäbel, Georg, Dresden, Germany. Shaker machine with automatic mold transport for shanking-down chocolate or similar masses in the molds. 1,819,888; Aug. 18.
Gabel, John, Chicago, Ill. Christmas-tree holder. 1,789,360; Jan. 20.
Gabler, Johann, Ettlingen, Germany. Weft holding device. 1,827,646; Oct. 13.
Gábor, Francis. (See Klein, P., and Gábor.)
Gábor, Francis, and P. Klein, Budapest, Hungary, and A. Szegvári, Akron, Ohio, assignors, by mesne assignments, to American Anode, Inc. Production of homogeneous rubber deposits from rubber latex. 1,815,057; July 21.
Gabrieau, Joseph D., Richland, Wash. Ditch trimmer. 1,817,306; Aug. 4.
Gabriel, Alphonse, Oakland, Calif. Coin controlled lock. 1,804,411; May 12.
Gabriel, Charles L., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Lacquering composition and employing same. 1,813,735; July 7.
Gabriel Company, The. (See Beecher, Eugene L., assignor.)
Gabriel Company, The. (See Benjamin, David, assignor.)
Gabriel Company, The. (See Durant, John D., assignor.)
Gabriel Company, The. (See Grant, Frank L., assignor.)
Gabriel, John C., New York, and F. A. Hubbard, Lynbrook, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission regulation. 1,808,538; June 2.
Gabriel, Pasquale T., Brooklyn, assignor to D. La Valle, New York, N. Y. Wooden heel. 1,791,925; Feb. 10.
Gabriel Steel Company. (See Zabriskie, William F., assignor.)
Gabrielson, Arthur A., Minneapolis, Minn. Foldable rule. 1,827,686; Oct. 13.
Gabrielson, Carl, assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,826,763; Oct. 13.
Gabrielson, Carl, assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,833,897; Dec. 1.
Gabulson, Gustave A. (See Roche, Michael J., assignor.)
Gach, Erich. (See Roberts, B. H., and Gach.)
Gade, Einar K., Chiswick, assignor to Gnomist & British Novelties Limited, London, England. Combined calendar and money box, savings bank, or other collection box. 1,817,682; Aug. 4.
Gade, Harcourt F., Brooklyn, N. Y. Electrical target toy. 1,824,811; Sept. 29.
Gade, Max, assignor of one-half to Zellstofffabrik Waldhof, Mannheim-Waldhof, Germany. Treating sulphite liquor spirit. 1,827,080; Oct. 13.
Gade, Samuel, New York, N. Y. Valve. 1,787,445; Jan. 6.
Gadke, William, Philadelphia, Pa. Removable pouring cover for milk bottles. 1,811,080; June 23.
Gaebler, Alexander H., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Ventilator for ice tanks. 1,802,465; Apr. 28.
Gaedke, Otto, Hangelo, Netherlands, assignor to Gesellschaft fuer Elektrische Apparate m. b. H., Wariefelde, near Berlin, Germany. Apparatus for evaluating functions of two independent variables. 1,788,996; Jan. 13.

Gaedke, Otto, Hangelo, Netherlands, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Apparatus for evaluating range-table functions of two independent variables. 1,788,997; Jan. 13.
Gafney, James, New York, N. Y. Runway for airplanes. 1,820,062; Aug. 25.
Gage, Arthur G., Los Angeles, Calif. Fluid pressure actuated well pump. 1,836,585; Dec. 15.
Gage, Edward G., Brooklyn, assignor to Radio Corporation of America, New York, N. Y. Separating desired from undesired electric currents of different frequencies. 1,802,760; Apr. 28.
Gage, Edward G., Brooklyn, assignor of one-half to Electrical Industries Manufacturing Company, and one-half to L. Attinger, New York, N. Y. Radiant energy distance determining system and apparatus. 1,828,531; Oct. 20.
Gage, Hosa, Minden, Tex. Fertilizer distributor. 1,837,155; Dec. 15.
Gage, Joseph J., assignor to L. W. Coate, Dayton, Ohio. Combination hot-water heater and steam generator. 1,794,953; Mar. 3.
Gage, Leon F., New Kensington, I. W. Wood, Parnassus, and J. T. Weinzierl, assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa. Pastry cutter. 1,797,859; Mar. 24.
Gage, Nellie M., Dayton, Ohio. Luggage carrier. 1,804,868; May 12.
Gage, Nelson A., Chicago, assignor to Flex-Drive Corporation, Rockford, Ill. Clutch for automatic transmissions. 1,797,826; Mar. 24.
Gage, Oscar S., Tulsa, Okla. Railroad tie and rail clamp. 1,789,545; Jan. 20.
Gagen, Charles H., New York, N. Y., assignor, by mesne assignments, to American Air Filter Company, Inc., Louisville, Ky. Cleaning and coating air filters. 1,816,836; Aug. 4.
Gagen, Charles H., New York, N. Y., assignor, by mesne assignments, to American Air Filter Company, Inc., Louisville, Ky. Double passage filter and closure for the same. 1,821,211; Sept. 1.
Gagen, Thomas H., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Carton. 1,828,837; Oct. 27.
Gagnaux, Léon. (See Lamy, L., Mathieu, and Gagnaux.)
Gagné, Augustin, Central Falls, assignor to Hemphill Company, Central Falls, R. I. Reenforcing mechanism for rotary-knitting machines. 1,788,514; Jan. 13.
Gagnon, Louis L., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. Des. 82,984; Jan. 6.
Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Tubular pin and making same. 1,812,743; June 30.
Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Capped contact pin. 1,830,695; Nov. 3.
Gaidos, Alonzo F., Redwood City, Calif., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Firearms magazine. 1,797,951; Mar. 24.
Gail, John F., Evanston, Ill. Combined inkwell and pen support. 1,821,179; Sept. 1.
Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Gang sewing apparatus. 1,813,489; July 7.
Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Machine for and method of assembling springs. 1,813,993; July 14.
Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Wireworking mechanism. 1,826,612; Oct. 6.
Gailhofer, Joseph, Mannheim, Germany, assignor, by mesne assignments, to Self-Spread Waxer Corporation, New York, N. Y. Floor and the like polishing appliance. 1,827,003; Oct. 13.
Gainer, Frank J., Wood River, Ill., assignor to Standard Oil Company, Whiting, Ind. Filtration of tar. 1,819,745; Aug. 18.
Gainer, Frank J., E. H. Payne, and W. Bacheldor, Wood River, Ill., assignors to Standard Oil Company, Whiting, Ind. Filter press leaf. 1,830,994; Nov. 10.
Gaines, Ernest L., Seattle, Wash. Flush tank. 1,810,473; June 16.
Gaines, Eugene F., assignor to Atlas Manufacturing Company, Philadelphia, Pa. Cleaning power meat saws. 1,812,942; July 7.
Gains, Chester R., Muscatine, Iowa. Reminder clock. 1,821,628; Sept. 1.
Gains, Chester R., Muscatine, Iowa. Time controlled switch. 1,821,629; Sept. 1.
Gair, Robert, Company. (See Malcolmson, James D., assignor.)
Gair, Robert, Company. (See Tinsley, Edward O., assignor.)
Gaire, Joseph L., Paterson, N. J. Hair waving apparatus. 1,829,826; Nov. 3.
Gairing, Emil, assignor to Gairing Tool Company, Detroit, Mich. Full floating universal tool holder. 1,831,382; Nov. 10.
Gairing Tool Company. (See Gairing, Emil, assignor.)
Gaiser, John, near Centerville, Ohio. Connecting plows to tractors. 1,815,470; July 21.
Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,796,260; Mar. 10.
Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,796,261; Mar. 10.
Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Blade package. 1,796,262; Mar. 10.
Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,802,171; Apr. 21.
Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,802,172; Apr. 21.
Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,816,428; July 28.
Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments to Gillette Safety Razor Company, Boston, Mass. Blade holder. 1,816,477; July 28.
Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,817,512; Aug. 4.
Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razors. 1,820,659; Aug. 25.
Gaisman, Henry J., New York, N. Y., assignor by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,823,976; Sept. 22.
Gaisman, Henry J., New York, N. Y., assignor, by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,826,764; Oct. 13.
Gaisman, Henry J., New York, and C. Schumacher, Lynnbrook, assignors to Autostrop Safety Razor Co., Inc., New York, N. Y. Assembling blades. 1,788,570; Jan. 13.
Galamb, Joseph, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Door latch. 1,800,619; Apr. 14.
Galamb, Joseph, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Door latch. 1,821,148; Sept. 1.
Galant, Alex, et al. (See Vargo, Michael, assignor.)
Galanti, Amilcare, Philadelphia, Pa. Transmission mechanism. 1,819,677; Aug. 18.
Galassi, Pasquale, New York, N. Y. Composite floor strip. Re18,282; Dec. 15.
Galassi, Pasquale, New York, N. Y. Dividing strips for floors. 1,810,761; June 16.
Galassi, Pasquale, New York, N. Y. Bimetallic floor strip. 1,813,736; July 7.
Galassi, Pasquale, New York, N. Y. Sectional dividing strip for floors. 1,816,727; July 28.
Galassi, Pasquale, New York, N. Y. Multiple floor strip. 1,824,715; Sept. 22.
Galassi, Pasquale, New York, N. Y. Composite floor dividing strip. 1,828,653; Oct. 20.
Galassi, Pasquale, New York, N. Y. Flanged strip for terrazzo floors. 1,832,836; Nov. 17.
Galassi, Pasquale, New York, N. Y. Stairway construction. 1,835,942; Dec. 8.
Galassi, Pasquale, New York, N. Y. Producing dividing strips for floors. 1,837,902; Dec. 22.
Galassini, Ercole. (See Bignami, I., Galassini, Franchi, and Pons.)
Galaz, Jaun, Los Angeles, Calif. Attachment for pneumatic hammers. 1,827,647; Oct. 13.
Galbarini, Antonio, Milan, Italy. Acoustic instrument. 1,828,654; Oct. 20.
Galbraith, George R., Brewster, Wash. Insect trap. 1,823,892; Sept. 22.
Galbraith, Joseph B., Kaysville, Utah. Chuck. 1,807,156; May 26.
Galbraith, Stanley S., Farmington, Tenn. Grab. 1,796,197; Mar. 10.
Galbreath, Harold P., et al. (See Martin, William O., assignor.)
Galbreath, William W., Warren, Ohio. Machine for expanding metal. 1,818,246; Aug. 11.
Galbusera, Charles, Long Island City, N. Y. Spark-plug detector. 1,797,085; Mar. 17.
Gale, Charles E., Boston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Printing on the pages of a book. 1,819,158; Aug. 18.
Gale, Charles E., Boston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Book. 1,819,159; Aug. 18.
Gale, Charles E., Boston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Method of and apparatus for printing. 1,819,160; Aug. 18.
Gale, Charles E., Boston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Printing machine. 1,819,326; Aug. 18.
Gale, Charles W., Salisbury, Md. Pipe bending tool. 1,832,698; Nov. 17.
Gale, Ernest L., Yonkers, assignor to Gurney Elevator Company, Inc., New York, N. Y. Automatic elevator control system. 1,832,454; Nov. 17.
Gale, Ewart I., Markham, Ontario, Canada. Page-end signaling device. 1,821,831; Sept. 1.
Gale, John, Los Angeles, Calif. Condenser for ignition circuits. 1,798,789; Mar. 31.
Gale, Marian, Los Angeles, Calif. Vehicle body construction. 1,803,668; May 5.
Gale, William A. (See Allen, W. H., Gale, and Ritchie.)
Galeazzi, Roberto, Muggiano, Spezia, Italy. Resistant submarine hull or the like. 1,808,599; June 2.
Galemmo, Joseph, assignor of one-half to E. W. Parsons, Cleveland, Ohio. Tire lock. 1,800,725; Apr. 14.

Galens, Paul, Brooklyn, N. Y. Water vehicle. 1,794,071; Feb. 24.
Galetschky, Walter, Pittsfield, Mass. Soda straw attachment. 1,813,285; July 7.
Galetzky, Joseph, New York, N. Y. Electric advertising device. 1,827,980; Oct. 20.
Galion Iron Works & Mfg. Co., The. (See Arndt, Franklin E., assignor.)
Galion Metallic Vault Company, The. (See Smith, Ralph E., assignor.)
Galion Metallic Vault Company, The. (See Smith, R. E., Arnold and Curfman, assignors.)
Gall, Aloise, Orange, N. J., assignor to Cyrus Clark Co., Incorporated, New York, N. Y. Textile fabric or similar sheet material. Des. 84,691; July 21.
Galla, Andrew J., Newark, N. J. Webbing support for upholstery. 1,836,463; Dec. 15.
Gall, Douglas C., South Norwood, England. Optical pyrometer. 1,820,219; Aug. 25.
Gallagher, Arthur D. (See Lindgren, A. C., and Gallagher.)
Gallagher, Arthur D., Canton, assignor, by mesne assignments, to F. Gerlach and A. B. Keller, trustees, Chicago, Ill. Two way tractor plow. 1,832,010; Nov. 17.
Gallagher, Arthur D., Canton, Ill., assignor to International Harvester Company. Lister plow and planter. 1,832,976; Nov. 24.
Gallagher, Arthur J., Warren, Ohio. Cup container. 1,807,400; May 26.
Gallagher, Edward J., jr., Baltimore, Md. Windshield wiper. 1,798,018; Mar. 24.
Gallagher, Edward J., jr., Baltimore, Md. Windshield heater. 1,822,774; Sept. 8.
Gallagher, Frank H., assignor to N. G. Canellis, Chicago, Ill. Cooling and ventilating airplane fans. 1,816,183; July 28.
Gallagher, George F., assignor to Krem-Ko Company, Chicago, Ill. Bottle or simliar article. Des. 84,888; Aug. 18.
Gallagher, Hugh F., Bayonne, N. J., assignor to Standard Oil Development Company. Making white petrolatum. 1,791,926; Feb. 10.
Gallagher, James F., et al. (See Ekstromer, Edward C., assignor.)
Gallagher, John, Philadelphia, Pa. Toy or advertising device. 1,804,925; May 12.
Gallagher, John, Philadelphia, Pa. Wave motor. 1,816,044; July 28.
Gallagher, John, Philadelphia, Pa. Advertising device. 1,818,988; Aug. 18.
Gallagher, John M., assignor to The Bagley and Sewall Company, Watertown, N. Y. Winder roll for paper making machines. 1,813,920; July 14.
Gallagher, Paul C., Omaha, Nebr. Fork or analogous article. Des. 85,282; Oct. 6.
Gallagher, Robert T., assignor to Morgan Construction Company, Worcester, Mass. Shearing machine. 1,832,110; Nov. 17.
Gallagher, Samuel J., Brawley, Calif. Refrigerated produce package. 1,828,179; Oct. 20.
Gallagher, Walter J., Cincinnati, Ohio. Toy. 1,806,053; May 19.
Gallahan, Walter, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sound recording system. 1,810,703; June 16.
Gallaher, Andrew J., St. Louis Mo. Plug for oil wells and apparatus for seating the same. 1,822,140; Sept. 8.
Gallaher, Andrew J., St. Louis, Mo. Closing oil wells. 1,822,141; Sept. 8.
Gallasch, George B. (See Loeser, E. O., and Gallasch.)
Galle, Ernst. (See Müller, C., Wietzel, and Galle.)
Galle, Ernst, Ludwigshafen-on-the-Rhine, and H. Zorn, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Conversion of hydrocarbons of high boiling point into others of low boiling point. 1,812,398; June 30.
Gallimore, Keith F. (See Kempton, H. E., Gallimore, and Woytych.)
Gallimore, Keith F., Fond du Lac, Wis., assignor, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Adjustable gauge. 1,810,166; June 16.
Gallipoli, Frank P., and T. A. Kingsley, sr., Englewood, N. J. Device for producing and dispensing lather. 1,827,649; Oct. 13.
Gallison, Ernest A., Watertown, and A. S. MacDonald, Quincy, assignors, by mesne assignments, to Bay State Fishing Company, Boston, Mass. Cutting implement. 1,804,977; May 12.
Gallistel, Clarence P., assignor to Container Corporation of America, Chicago, Ill. Container. 1,808,922; June 9.
Gallogly, Richard G., Milledgeville, Ga. Tag. 1,833,742; Nov. 24.
Galloway, Charles W., Baltimore, Md. Cooling passenger cars in stations. 1,823,393; Sept. 15.
Galloway Engineering Company Limited. (See Greening, H. B., and Galloway, assignors.)
Galloway, General F., Fayette, Ala. Cultivator. 1,817,551; Aug. 4.
Galloway, James W. (See Greening, H. B., and Galloway.)
Galloway, James W., assignor to Automatic Humidifier Company, Cedar Falls, Iowa. Removable adjustable controller for humidifier valves. 1,837,213; Dec. 22.
Galloway, Robert M., Richmond, Ind. Mechanism for machining metal hydraulically. 1,834,694; Dec. 1.
Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Hydraulically-operated way drill. 1,787,781; Jan. 6.
Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Hydraulically-operated vertical drill. 1,787,782; Jan. 6.
Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Continuous automatic hydraulic machine. 1,817,552; Aug. 4.
Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Machine tool unit. 1,823,038; Sept. 15.
Gallup, Dana T., Cambridge, Mass. Badge. Des. 84,984; Sept. 1.
Gallup, David L., assignor to Bendix Brake Company, South Bend, Ind. Brake shoe connecting means. 1,821,149; Sept. 1.
Galovac, Milivoj J. (See Warlay, Milan, assignor.)
Galuten, Max. (See Kimbrig, L., and Galuten.)
Galvin, Charles E., Springfield, Ohio. Pressing machine pad. 1,826,395; Oct. 6.
Galvin, Charles E., assignor to The Ridgely Trimmer Company, Springfield, Ohio. Paper trimmer. 1,798,250; Mar. 31.
Galvin, Charles E., assignor to The Ridgely Trimmer Company, Springfield, Ohio. Tool for trimming paper. 1,798,251; Mar. 31.
Galvin, Dennis C., Des Moines, Iowa. Disk sharpener. 1,807,978; June 2.
Galvin Electric Mfg. Co. (See Newnham, Eugene, assignor.)
Galvin, William H. (See Runge, Paul I. A., assignor.)
Gambarini, Benjamin, Alameda, Calif. Flying machine. 1,804,869; May 12.
Gambino, Andrew. (See Steiner, L., and Gambino.)
Gamble, Carl H., assignor to Deere & Company, Moline, Ill. Manure spreader. 1,838,755; Dec. 29.
Gamble, Charles B. (See Lang, C. A., and Gamble.)
Gamble, David E., Detroit, Mich., assignor to The Borg & Beck Company, Chicago, Ill. Bearing for clutch releases. 1,808,980; June 9.
Gamble, David E., assignor to The Borg & Beck Company, Chicago, Ill. Friction clutch. 1,821,150; Sept. 1.
Gamble, Hugh A., et al. (See Berry, Charles R., assignor.)
Gamble, Jack H. L., Headland, Ala. Straddle row cultivator. 1,805,394; May 12.
Gamel, Harvey W., Los Angeles, and C. D. Holmes, Long Beach, Calif. Cleaning device. 1,815,197; July 21.
Gamer, Charles, Fort Worth, Tex. Hydraulic double-acting pump. 1,790,982; Feb. 3.
Gamet, Ezra I., and C. J. Murphy, Aurora, Ill. Rescuing device for submarines. 1,832,198; Nov. 17.
Gamewell Company, The. (See Philbrick, Frederick B., assignor.)
Gamm, Henry F. E., Rutherford, N. J. Adjustable mixer and drive. 1,823,443; Sept. 15.
Gammack, William A., and D. G. Knox, Long Beach, Calif., assignors, by mesne assignments, to Jordan & Taylor, Inc., Los Angeles, Calif. Gas lift for oil wells. 1,789,866; Jan. 20.
Gammack, William A., and Donald G. Knox, Long Beach, assignors, by mesne assignments, to Jordan & Taylor, Inc., Los Angeles, Calif. Periodic circuit maker. 1,812,090; June 30.
Gammell, Alexander. (See Hurd, Ephraim L., assignor.)
Gammell, Alexander, Chicago, Ill. Sorting and distributing machine. 1,808,406; June 2.
Gammell, Ove L., and R. W. Woodward, assignors to Smith & Crosby, Attleboro, Mass. Bracelet construction. 1,821,507; Sept. 1.
Gammeter, John R. (See Brundage, James W., assignor.)
Gammeter, John R. (See Kroeger, E. J., and Gammeter.)
Gammeter, John R., Akron, Ohio. Method and apparatus for manufacturing pneumatic tires. 1,790,210; Jan. 27.
Gammeter, John R., Akron, Ohio. Pneumatic tire and manufacturing the same. 1,807,909; June 2.
Gammeter, John R., Akron, Ohio. Mold filling apparatus. 1,811,430; June 23.
Gammeter, John R., Akron, Ohio. Floor covering or mat and making the same. 1,815,558; July 21.
Gammeter, John R., assignor to The George W. Perks Company, Akron, Ohio. Abrasive wheel. 1,792,083; Feb. 10.
Gammeter, John R., Akron, Ohio, assignor to A. G. Spalding & Bros., New York, N. Y. Reducing the size of tennis balls and holding the same while reduced. 1,811,414; June 23.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for cutting sheet material into strips. 1,822,209; Oct. 7.
Gams, Alphonse, and Gustave Widmer, Basel, assignors to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of artificial materials. 1,802,246; Apr. 21.
Gams, Alphonse, and G. Widmer, assignors to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Condensation product of carbamides and aldehydes and process of making same. 1,831,706; Nov. 10.
Gandahl, E. F., et al. (See Drennon, William M., assignor.)

Gandell. William R. K., London, England. Suitcase. 1,837,119; Dec. 15.
Gane, George W., Normanby, New Zealand. Apparatus for making precipitable the solids held in solution in liquids. 1,789,738; Jan. 20.
Gäng, Gottfried, Uster, near Zurich, Switzerland. Wrench. 1,826,765; Oct. 13.
Ganger, William O., Bull Run, Oreg. Collapsible tube. 1,800,936; Apr. 14.
Gangler, Paul, Esslingen, assignor to the Firm Fr. Hesser, Maschinenfabrik-Aktiengesellschaft, Stuttgart, Cannstadt, Germany. Package filling and closing machine. 1,794,010; Feb. 24.
Gangler, Paul, Esslingen, assignor to the Firm Fr. Hesser, Maschinenfabrik - Aktiengesellschaft, Stuttgart - Cannstatt, Germany. Ejecting device for the folding mandrels of paper-bag-making machines. 1,799,845; Apr. 7.
Gangler, Paul, Esslingen, assignor to the Firm Fr. Hesser Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Device for punching or similarly treating continuously running webs. 1,831,167; Nov. 10.
Gangler, Paul, Esslingen, assignor to The firm Fr. Hesser, Maschinenfabrik - Aktiengesellschaft, Stuttgart - Cannstatt, Germany. Device for laying off sections continuously severed from webs. 1,837,612; Dec. 22.
Gangler, Paul, Esslingen, assignor to the Firm Fr. Hesser, Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germony. Wrapper feeding and gumming machine. 1,838,479; Dec. 29.
Gangler, Paul, Esslingen, assignor to the Firm Fr. Hesser Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Device for continuously drying paper webs provided with areas of varnish. 1,838,480; Dec. 29.
Gangloff, Wilmer C., assignor to The Drackett Chemical Company, Cincinnati, Ohio. Prepared ingot material for use in drain opening compounds and making it. 1,816,805; July 28.
Gangloff, Wilmer C., Cincinnati, and M. A. Conner, Mariemont, assignors to The Drackett Chemical Company, Cincinnati, Ohio. Machine for developing aluminum into particles. 1,816,806; July 28.
Gann, George K., assignor, by mesne assignments, to Program Service Company, St. Paul, Minn. Low impedance radio circuit. 1,799,507; Apr. 7.
Gannaway, Charles L., North Chattanooga, assignor of one-half to W. C. and D. J. Casey, Chattanooga, Tenn. Automobile lift. 1,794,165; Feb. 24.
Gannett, Chauncey W., assignor to The Wellington Machine Company, Wellington, Ohio. Adjustable axle hanger. 1,812,827; June 30.
Gannett, Danforth K., Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company. Multiple way connection for a plurality of lines. 1,832,977; Nov. 24.
Gannett, Danforth K., Jackson Heights, N. Y., and M. Kirkwood, Towaco, N. J., assignors to American Telephone and Telegraph Company. Electrical network. 1,801,342; Apr. 21.
Gannon, James E., assignor to American Electric Heating Company, Erie, Pa. Electric radiator. 1,788,515; Jan. 13.
Gannon, James E., assignor to American Electric Heating Company, Erie, Pa. Radiator. 1,788,516; Jan. 13.
Gannon, Raymond J. (See Anderson, H., and Gannon.)
Gannon, Thomas G., Chicago, Ill. Calender stand. 1,837,424; Dec. 22.
Gano, Harlan S., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Furnace cycle control. 1,795,945; Mar. 10.
Gans, Louis, Los Angeles, Calif. Advertising sign. 1,798,199; Mar. 31.
Gans, Robert S., assignor of one-half to J. J. Grabfield, Detroit, Mich. Mechanism for controlling brakes. 1,811,006; June 23.
Ganser, Carl A., Hartford, Conn. Finishing cadmium plated goods. 1,816,837; Aug. 4.
Ganser, George, et al. (See Percell, John D., assignor.)
Ganster, Joseph A., Philadelphia, Pa. Truing rings. 1,836,112; Dec. 15.
Gant, Harry A., and H. R. Tipton, Los Angeles, assignors to L. F. Scott, jr., Hollywood, Calif. Casinghead valve. 1,788,763; Jan. 13.
Ga Nung, Howard D., Llanerch, Pa., E. Smith, Atlantic City, N. J., and D. B. Wilson, Philadelphia, Pa. Carbureted water gas apparatus. 1,816,478; July 28.
Ganz, William, Chicago, Ill. Lock. 1,790,656; Feb. 3.
Ganz, William, Chicago, Ill. Lock. 1,796,517; Mar. 17.
Ganzer, John H., assignor to Duluth Show Case Company, Duluth, Minn. Steel nail bin. 1,801,076; Apr. 14.
Garabiol, Emile, La Tronche, near Grenoble, assignor to Societe Des Procedes "Fit", Grenoble, France. Torus-shaped device for maintaining the air-bags or water bags during the vulcanizing of pneumatic tires. 1,788,428; Jan. 13.
Garabrant, Joseph E. (See Kraemer, W. L., and Garabrant.)
Garankin, Theodore P., New York, N. Y. Pencil. 1,803,695; May 5.
Garbarak, Josef, Walsum-on-the-Rhine, Germany. Tool holder. 1,814,211; July 14.
Garbarino, Louis, Detroit, Mich., assignor to A. Harvey's Sons Mfg. Co. Joiner guard. 1,829,827; Nov. 3.
Garbell, Max, Chicago, Ill. Toy gun. 1,800,994; Apr. 14.
Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Carriage-shift mechanism for typewriting machines. 1,787,574; Jan. 6.
Garbell, Max., assignor to Victor Adding Machine Company, Chicago, Ill. Typewriter frame. 1,800,199; Apr. 14.
Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Cover closure. 1,807,910; June 2.
Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Cover closure. 1,807,911; June 2.
Garber, Freeman. (See Williams, Charles L., assignor.)
Garber, Harry D., Cuyahoga Falls, assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Jail door mechanism. 1,811,230; June 23.
Garber, Harry D., Cuyahoga Falls, assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Jail construction. 1,830,431; Nov. 3.
Garbutt, Frank E., Hollywood, Calif., assignor to Paramount Publix Corporation. Time-recording system. 1,787,940; Jan. 6.
Garbutt, Frank E., Hollywood, Calif., assignor to Paramount Publix Corporation. Film contact system. 1,828,364; Oct. 20.
Garcia, José A., Los Angeles, Calif. Mobile mooring apparatus. 1,812,237; June 30.
Gardella, William, Flushing, Long Island, N. Y., assignor to Oliver United Filters Incorporated, San Francisco, Calif. Filter discharging mechanism. 1,812,648; June 30.
Gardella, William M., Flushing, N. Y., assignor to Oliver United Filters Inc., San Francisco, Calif. Press roll. 1,793,688; Feb. 24.
Garden, Henry E., Augusta, Kans. Wire line clamp. 1,804,762; May 12.
Gardenier, Clyde B. (See Hornor, A. P., and Gardenier.)
Gardine, Manuel C., St. Louis, Mo. Lockable key ring. 1,817,246; Aug. 4.
Gardiner, John, Los Angeles, Calif. Rivet rolling device. 1,804,683; May 12.
Gardiner, John F. (See Jamieson, A. C., Gardiner, and McDonald.)
Gardiner, John H., College Park, Md. Nitrocellulose composition. 1,804,503; May 12.
Gardiner, William, and H. D. Staley, assignors to Vulcanite, Inc., Oakland, Calif. Active material for storage batteries. 1,788,571; Jan. 13.
Gardner, Alfred E., Ashland, N. J. Emblem or similar article. Des. 83,797; Mar. 31.
Gardner, Arthur. (See Kiliani, Richard B. T., assignor.)
Gardner, Charles B., jr., Long Beach, Calif. Tone modifying device for the vibrating elements of musical instruments. 1,823,683; Sept. 15.
Gardner, Charles F., New Carlisle, assignor, by mesne assignments, to Frigidaire Corporation, Dayton, Ohio. Expansion chamber for refrigerating apparatus. 1,827,741; Oct. 20.
Gardner, Charles W., New York, N. Y. Luggage carrier. 1,837,539; Dec. 22.
Gardner, Clyde, deceased, by E. B. Gardner, administratrix, assignor to Gardner Company, Ebensburg, Pa. Calculating machine. 1,828,180; Oct. 20.
Gardner Company. (See Gardner, Clyde, assignor.)
Gardner Company. (See Mixer, Harold P., assignor.)
Gardner, Dale, assignor to G. M. Holley, Detroit, Mich. Carburetor. 1,825,788; Oct. 6.
Gardner, Daniel, Rueil, France. Manufacture of pure colophony and other resinous products from resinous plants or wods. 1,822,210; Sept. 8.
Gardner-Denver Company. (See Carpenter, Ivan S., assignor.)
Gardner-Denver Company. (See Clark, Omar E., assignor.)
Gardner-Denver Company. (See Croft, Lorenzo E., assignor.)
Gardner-Denver Company. (See Downing, Edwin J., assignor.)
Gardner-Denver Company. (See Gardner, John W., assignor.)
Gardner-Denver Company. (See Gustafson, Hjalmer C., assignor.)
Gardner-Denver Company. (See Katterjohn, August H., assignor.)
Gardner-Denver Company. (See Mueller, William G., assignor.)
Gardner-Denver Company. (See Pearson, Gustav C., assignor.)
Gardner-Denver Company. (See Sheets, Barton R., assignor.)
Gardner-Denver Company. (See Sheets, B. R., and Stewart, assignors.)
Gardner-Denver Company. (See Stewart, Charles M., assignor.)
Gardner-Denver Company. (See Terry, Edward F., jr., assignor.)
Gardner, Edna B., administratrix. (See Gardner, Clyde.)
Gardner, George, Redlands, Calif. Loading attachment for graders. 1,800,682; Apr. 14.
Gardner, George, Redlands, Calif. Sweeping attachment for road graders. 1,806,054; May 19.
Gardner, George C., Richmond, Va. Projectile. 1,825,517; Sept. 29.

Gardner, George D., San Jose, Calif., assignor, by mesne assignments, to Sprague-Sells Corporation, Hoopeston, Ill. Box-chamfering machine and cutter. 1,794,604; Mar. 3.
Gardner, George D., assignor, by mesne assignments, to Barron Gray Packing Company, San Jose, Calif. Artichoke coring machine. 1,802,972; Apr. 28.
Gardner, George D., assignor, by mesne assignments, to Barron Gray Packing Company, San Jose, Calif. Automatic gripping mechanism. 1,802,973; Apr. 28.
Gardner, George D., assignor, by mesne assignments, to Barron Gray Packing Company, San Jose, Calif. Artichoke trimming machine. 1,820,199; Nov. 3.
Gardner, George W., Flint, Mich. Aeroplane. 1,798,665; Mar. 31.
Gardner, George W., and J. R. Underhill, Greenville, N. C. Fire hose hoist. 1,826,658; Oct. 6.
Gardner, Grandison, Honolulu, Hawaii. Diving bomb sight. 1,821,431; Sept. 1.
Gardner, Guy O. (See Lundteigen, A., and Gardner.)
Gardner, Henry A., Washington, D. C. Luminous filament. 1,791,199; Feb. 3.
Gardner, Henry A., Washington, D. C. Cement for floor covering compositions. 1,831,707; Nov. 10.
Gardner, Henry A., Washington, D. C. Nonshatter glass and making the same. 1,836,914; Dec. 15.
Gardner, Herbert F. (See Fackler, L. K., and Gardner.)
Gardner, Herschel L. (See Lewis, Edward D., assignor.)
Gardner, John H., Chicago, Ill. Ice cream freezer. 1,813,490; July 7.
Gardner, John W., Quincy, Ill. assignor, by mesne assignments, to Gardner-Denver Company. Pump. 1,805,542; May 19.
Gardner, Joseph H. S. (See Gardner, Joseph and J. H. S.)
Gardner, Joseph and J. H. S., assignors to L. Gardner & Sons Limited, Patricroft, near Manchester, England. Valve operating mechanism of internal combustion engines. 1,805,578; May 19.
Gardner, Joseph and J. H. S., assignors to L. Gardner & Sons Limited, Patricroft, near Manchester, England. Inlet valve of internal combustion engines. 1,812,262; June 30.
Gardner, L., & Sons Limited. (See Gardner, Joseph and J. H. S., assignors.)
Gardner Manufacturing Company, Ltd. (See Johnson, Lincoln V., assignor.)
Gardner, Norman E., Allentown, Pa. Toy airplane. 1,803,469; May 5.
Gardner, Percy, East Orange, N. J., assignor to H. M. Bunker & Co., Inc., New York, N. Y. Seam-opening device. 1,799,132; Mar. 31.
Gardner, Prince A., jr., St. Louis, Mo. Bill fold. Des. 85,175; Sept. 22.
Gardner, Prince A., jr., St. Louis, Mo. Receptacle. 1,832,625; Nov. 17.
Gardner, Roscoe R. (See Thornton, Myron, assignor.)
Gardner Screw Corp. (See Garell, John A., assignor.)
Gardner, Stonewall J., New Albany, Ind. Log-grooving saw. 1,797,646; Mar. 24.
Gardner, Thomas P., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Ejecting mechanism. 1,794,372; Mar. 3.
Garell, John A., assignor to Gardner Screw Corp., Gardner, Mass. Circuit-controlling device. 1,794,762; Mar. 3.
Garey, Charles Q. (See Driessner, A. E., and Garey.)
Garey, John P. (See Hasbrouck, L. B., and Garey.)
Garey, John P., Elmira Heights, and L. B. Hasbrouck, Elmira, assignors to Eclipse Textile Devices, Inc., Elmira, N. Y. Dyeing method and apparatus. 1,838,385; Dec. 29.
Garfinkel, Mayer. (See Goldstein, A. M., and Garfinkel.)
Garfinkel, Samuel L., Wichita, Kans. Necktie pressing device. 1,797,952; Mar. 24.
Garfunkel, Louis X. (See Bigton, N. L., and Garfunkel.)
Garfunkel, Louis X. (See Marchioni, Frank A., assignor.)
Gargolinski, Anthony D., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Cloth roll mounting. 1,803,180; Apr. 28.
Gargolinski, Anthony D., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Protector mechanism for looms. 1,807,735; June 2.
Gargolinski, Anthony D., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Dobby for looms. 1,811,431; June 23.
Gargolinski, Anthony D., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picker-stick-retracting form. 1,818,889; Aug. 11.
Garl Signal Company, The. (See Alderfer, Sterling W., assignor.)
Garland Manufacturing Company. (See Cobb, Frederick G., assignor.)
Garllus, Bernt, Detroit, assignor to W. W. Blakely, Dexter, Mich. Mailing machine. 1,822,282; Sept. 8.
Garlock, Mott A., assignor to Bankers Trust Company, New York, N. Y. Wallet. 1,798,119; Mar. 24.
Garlock Packing Company, The. (See Fox, Edgar N., assignor.)
Garlock Packing Company, The. (See Fox, E. N., and Hampshire, assignors.)
Garmsen, Emil, Davenport, Iowa. Cleaning apparatus for rugs, carpets, and other heavy fabrics. 1,831,298; Nov. 10.

Garner, Henry, Moseley, Birmingham, England. Body of motor road vehicle. 1,795,208; Mar. 3.
Garner, Henry, Moseley, Birmingham, England. Suspension means for motor road vehicles. 1,798,077; Mar. 24.
Garner, Kirby R., Prud'homme, Saskatchewan, Canada. Automobile chain. 1,826,279; Oct. 6.
Garnett, Henry J. (See Smith, W. S., Garnett, and Channon.)
Garnett, Henry J. (See Smith, W. S., Garnett, and Randall.)
Garnett, Philip J. (See Patterson, James E., assignor.)
Garnett, Robert L., Cedar Rapids, Iowa. Rolling hinge gear. 1,833,159; Nov. 24.
Garno, George E., and E. A. Engstrom, assignors to The Heald Machine Company, Worcester, Mass. Chuck. 1,788,458; Jan. 13.
Garno, George E., and E. A. Engstrom, assignors to The Heald Machine Company, Worcester, Mass. Work head for grinding machines. 1,823,893; Sept. 22.
Garrard, Charles G., assignor to Evertite Locknuts Limited, London, England. Lock nut. 1,790,538; Jan. 27.
Garrard, Charles G., Thorngreen-Thorn, near Dunstable, assignor to Evertite Locknuts Limited, London, England. Machine tool. 1,838,304; Dec. 29.
Garratt, Frank G., assignor to International Casement Company, Jamestown, N. Y. Pivot for ventilator windows. 1,792,736; Feb. 17.
Garratt, Stephen E., Manchester, assignor to J. W. Jackman & Company Limited, Salford, England. Sand blast machine. 1,819,021; Aug. 18.
Garretson, Arthur, Plymouth, Pa. Easy chair radio remote control. Des. 85,176; Sept. 22.
Garretson, Davis R., Whittier, Calif. Brush rake. 1,817,361; Aug. 4.
Garretson, John L., Buffalo, N. Y. Developing apparatus. 1,796,364; Mar. 17.
Garrett, Charles H., and B. G. Herber, Dallas, Tex. Regulator for sound reproducing and synchronizing machines. 1,821,630; Sept. 1.
Garrett, Paul, New Rochelle, N. Y. Concentrated fruit juice and making the same. 1,790,140; Jan. 27.
Garrett, Raymond E., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Box-toe stiffener. 1,788,389; Jan. 13.
Garrett, Raymond E., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Coated fibrous material. 1,811,925; June 30.
Garrett, Raymond E., Sigourney, Iowa. Wheel scraper. 1,790,006; Jan. 27.
Garrett, Robert E. (See Becker, Carl, assignor.)
Garrett, William L., Webster Groves, Mo. Carburetor attachment for automobiles. 1,797,978; Mar. 24.
Garric, André, Layrac, France. Agricultural machine. 1,828,773; Oct. 27.
Garrigue, Paul, New York, N. Y. Collapsible globe. 1,804,828; May 12.
Garrigue, Paul, New York, N. Y. Collapsible globe and mounting for same. 1,804,829; May 12.
Garrigue, William, & Company. (See Sieck, William, jr., assignor.)
Garrigus, Clarence G., Bristol, assignor to Wm. H. Bristol Talking Picture Corporation, Waterbury, Conn. Vibration eliminator for phonograph turntables. 1,815,559; July 21.
Garrigus, Paul N. (See Wheat, G. G., and Garrigus.)
Garrigus, Robert O. (See Garrigus, Walter A. and R. O.)
Garrigus, Walter A. and R. O., Toledo, Ohio. Brake rod. 1,803,550; May 5.
Garrison, Anna M., administratrix. (See Garrison, Orlando.)
Garrison Fire Detecting System Incorporated. (See Lindsey, William D., assignor.)
Garrison, Forrest C., Evanston, Ill., assignor to The Oscar C. Rixson Company. Pivot hinge. 1,807,063; May 26.
Garrison, Forrest C., assignor to Oscar C. Rixson Co., Chicago, Ill. Threshold. 1,826,613; Oct. 6.
Garrison, Forrest C., Evanston, Ill., assignor to The Oscar C. Rixson Co., Chicago, Ill. Floor check for swinging doors. 1,832,699; Nov. 17.
Garrison, Orlando, deceased, Dayton, Ohio; A. M. Garrison, administratrix, assignor to Pratt & Whitney Company, Hartford, Conn. Gear grinder and the like. 1,823,734; Sept. 15.
Garrison, Vance C., Nebish, Minn. Wrench. 1,828,561; Oct. 20.
Garrow, James A. (See Goenen, L. E., Garrow, and Fritz.)
Garroway, David C., Belmont, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Circuit interrupter. 1,794,763; Mar. 3.
Garside, Harry. (See Chandler, Charles E., assignor.)
Garson, Thorvald N., New Brighton, N. Y. Tractor frame. 1,808,217; June 2.
Garson, Thorvald N., New Brighton, N. Y. Brake control for turret cranes. 1,821,338; Sept. 1.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,791,894; Feb. 10.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Automatic lubricator. 1,798,666; Mar. 31.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure fluid motor. 1,803,107; Apr. 28.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure fluid motor. 1,803,108; Apr. 28.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,803,242; Apr. 28.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Tool mounting. 1,803,243; Apr. 28.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill feeding device. 1,805,518; May 19.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Fluid pressure motor. 1,807,839; June 2.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Percussive tool. 1,820,185; Aug. 25.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drilling mechanism. 1,824,477; Sept. 22.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,824,478; Sept. 22.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling apparatus. 1,824,479; Sept. 22.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling apparatus. 1,824,480; Sept. 22.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,831,168; Nov. 10.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,834,585; Dec. 1.
Gartnäs, Anders H., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Electric meter of the Ferraris type. 1,835,861; Dec. 8.
Gartner, Henry A., Brooklyn, N. Y. Foot exerciser. 1,801,769; Apr. 21.
Garver, Harold, Merriam, assignor of one-half to J. T. Findley, Dickinson County, Kans. Toy basket ball game. Re18,163; Aug. 25.
Garvey, Benjamin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Composite product and making the same. 1,810,560; June 16.
Garvey, Frank A., Lynxville, Wis. Feeding device for animals. 1,831,593; Nov. 10.
Garvey, James M., New York, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Laundry marking and assorting apparatus. 1,836,113; Dec. 15.
Garvey, Raymond E., Ironwood, Mich. Heating system. 1,789,678; Jan. 20.
Garvin, Edward J., Los Angeles, Calif., assignor to Concrete Engineering & Equipment Co., Clarksdale, Ariz. Apparatus for molding cement blocks. 1,829,795; Nov. 3.
Garvin, Samuel, Chicago, Ill. Outlet box. 1,798,838; Mar. 31.
Garwood, Charles B., Linthicum Heights, assignors to Carr-Lowrey Glass Co., Baltimore, Md. Closure for bottles, jars, and the like. 1,809,894; June 16.
Gary, Lee J., assignor to Universal Oil Products Company, Chicago, Ill. Cracking oils. 1,839,024; Dec. 29.
Gary Structural Steel Company. (See Bates, Walter A., assignor.)
Gary, Wright W. (See Cannon, H. H., and Gary.)
Gary, Wright W., assignor, by mesne assignments, to Cannon-Prutzman Treating Processes, Ltd., Los Angeles, Calif. Purifying petroleum products. 1,833,396; Nov. 24.
Gas Furnace Control Co. (See Anderson, Gabriel W., assignor.)
Gas Furnace Control Co. (See Obenhaus, F. W., and Adams, assignors.)
Gas Machinery Company, The. (See Gleason, James H., assignor.)
Gas Machinery Company, The. (See Russell, Walter M., assignor.)
Gas Research Company, The. (See Smith, Harry F., assignor.)
Gas Turbine Co. (See Musselwhite, Harry E., assignor.)
Gasda, Stephen A., and D. R. Cahill, Bethlehem, Pa. Skein lacing machine. 1,811,120; June 23.
Gaseltine, Herbert T., Wembley Park, assignor to The Imperial Dry Plate Company Limited, London, England. Photographic-film pack. 1,792,295; Feb. 10.
Gaskill, Kenneth W., Cleveland, Ohio. Fluid operated gear-shifting mechanism. 1,820,452; Aug. 25.
Gaskill, Robert J., Fort Wayne, Ind. Support for boxes and the like. 1,812,203; June 30.
Gaskins, James H., Nashville, Ga. Convertible boat propelling and steering apparatus. 1,822,965; Sept. 15.
Gaskins, Maude E., Arcadia, Fla. Bait holder. 1,820,186; Aug. 25.
Gaskin, Robert J., and W. E. Maybee, Toronto, Ontario, Canada. Draft stop for vestibule and other doors. 1,837,959; Dec. 22.
Gasner, Philip, and S. Gasner, Brooklyn, assignors to Manrose Mercantile Co. Inc., New York, N. Y. Mechanism for collecting dust. 1,835,770; Dec. 8.
Gasner, Sigmund. (See Gasner, Philip and S.)
Gas Refrigeration Corporation. (See Bruehl, Lawrence, assignor.)
Gasoline Products Company. (See Black, John C., assignor.)
Gasoline Products Company. (See Cross, Roy, assignor.)
Gasoline Products Company. (See Cross, Walter M., assignor.)
Gasoline Products Company Inc. (See Widdell, Henry E., assignor.)
Gasoline Recovery Corporation. (See Hass, Henry B., assignor.)
Gasperini, Leo V., Bridgeport, Conn. Signal device and garment protector for automobile drivers. 1,796,782; Mar. 17.
Gassaway, Stephen G. (See Fisher, H. F., Gassaway, and Van Loenen.)
Gassaway, Stephen G., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Special design electrode. 1,838,386; Dec. 29.
Gassaway, Stephen G., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Emulsion treater. 1,838,822; Dec. 29.
Gast, George A., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Clock case. Des. 85,472; Nov. 3.
Gast, Richard. (See Kalischer, G., and Gast.)
Gastan, Frank, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Sheet handling clamp. 1,837,425; Dec. 22.
Gastell, Albert, Mainz, Germany. Tracing device. 1,811,121; June 23.
Gastgivar, Otto T., Gardner, Mass. Picture frame. 1,815,841; July 21.
Gaston, Mittie O., and T. R. James, Dallas, Tex. Ear pad. 1,826,309; Oct. 6.
Gastonguay, Antonio. (See Friedl, G., jr., and Gastonguay.)
Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Fabric take off device for full fashioned knitting machines. 1,826,872; Oct. 13.
Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Loop regulating mechanism for knitting machines. 1,837,214; Dec. 22.
Gastrow, Hans. (See Bokelmann, H., and Gastrow.)
Gaterman, William Manitowoc, Wis. Grain-lifter guard for mowing machines. 1,797,682; Mar. 24.
Gates, Andrew U., Armstrong, British Columbia, Canada. Wrench. 1,799,741; Apr. 7.
Gates, Benjamin L., Chicago, Ill. Multidisk phonograph-record selector and placer. 1,800,620; Apr. 14.
Gates, Benjamin L., assignor of one-half to H. L. Beamish, Spokane, Wash. Control mechanism for refrigerating systems. 1,827,981; Oct. 20.
Gates, Charles C., assignor to The Gates Rubber Company, Denver, Colo. Endless V-shaped belt. 1,813,698; July 7.
Gates, Clarence J., jr., assignor to Chicago Fibre Box Company, Chicago, Ill. Shipping container. 1,833,605; Nov. 24.
Gates, Clarence J., jr., C. S. Nathan, and A. A. McDonough, Chicago, Ill. Liner. 1,803,696; May 5.
Gates, Frederic P., West Hartford, assignor, by mesne assignments, to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Switch and ground plug. 1,790,747; Feb. 3.
Gates, George E., Comstock, Mich. Sales book or pad holding device. 1,836,161; Dec. 15.
Gates, Howard A., assignor to Zenith Radio Corporation, Chicago, Ill. Power-circuit control for radio receiving systems. 1,806,796; May 26.
Gates, Leroy G. (See Scharpenberg, C. C., and Gates.)
Gates, Leroy G., Bakersfield, Calif. Draw-works brake. 1,802,810; Apr. 28.
Gates, Leroy G., Bakersfield, assignor to Standard Oil Company of California, San Francisco, Calif. Non-kicking brake apparatus. 1,812,091; June 30.
Gates, Major E., Crystal Lake, Ill. Mold and manufacturing the same. 1,788,101; Jan. 6.
Gates Rubber Company, The. (See Gates, Charles C., assignor.)
Gates, William R., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Belt and making same. 1,793,604; Feb. 24.
Gatesy, John J., Torrington, Conn. Desk clock case. Des. 83,253; Feb. 10.
Gatewood, Ando Z., Temple, Okla. Wheel tightener. 1,820,793; Aug. 25.
Gat Gun Lubricating Corporation. (See Hundemer, Walter F., assignor.)
Gathmann, Emil, Baltimore, Md. Method of and apparatus for producing ingots. 1,793,314; Feb. 17.
Gathmann, Emil, Baltimore, Md. Ingot mold. 1,806,753; May 26.
Gathmann, Emil, Baltimore, Md. Metallic ingot. 1,810,041; June 16.
Gathmann, Emil, Baltimore, Md. Ingot mold. 1,819,705; Aug. 18.
Gathmann, Emil, Baltimore, Md. Hanger for mold tops. 1,833,709; Nov. 24.
Gathmann, Emil, assignor to The Gathmann Engineering Company, Baltimore, Md. Ingot mold tops. Re18,084; June 2.
Gathmann Engineering Company, The. (See Gathmann, Emil, assignor.)
Gathmys Research Corporation. (See Madorsky, Samuel L., assignor.)

Gatlin, Edna O., Smith Center, Kans. Tape needle. 1,834,611; Dec. 1.
Gatter, Lachlan S. (See Grassman, J., and Gatter.)
Gattino, Edgardo, Turin, Italy. Apparatus for delivering coins and small articles. 1,833,566; Nov. 24.
Gatto, Antonio, et al. (See Foti, Charles, assignor.)
Gatto, Bruno, et al. (See Foti, Charles, assignor.)
Gattrell, William S., Lees Summit, Mo. Well-drilling equipment. 1,787,475; Jan. 6.
Gattrell, William S., Tampico, Mexico. Driving means for flush-joint drill stems. 1,787,476; Jan. 6.
Gatzsche, Richard, Bad Blankenburg, Germany. Reversing mechanism. 1,808,348; June 2.
Gaudenzi, Arthur, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Protection of rectifier systems. 1,813,535; July 7.
Gaudenzi, Arthur, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Rectifying system. 1,823,684; Sept. 15.
Gaudenzi, Arthur, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Arrangement for reducing the vapor mass about the anodes of mercury vapor direct current rectifiers. 1,830,391; Nov. 3.
Gaudreau, Charles D., Springfield, Mass., assignor to Bay State Tool & Machine Co. Vise. 1,823,537; Sept. 15.
Gauger, Frank A., and R. W. Johnson, assignors, by mesne assignments, to Time-O-Stat Controls Company, Milwaukee, Wis. Heater appliance. 1,796,286; Mar. 17.
Gault, John J., assignor to W. J. Newman Company, Chicago, Ill. Well drilling apparatus. 1,826,396; Oct. 6.
Gault, Perceval S., New York, N. Y. Textile fabric or similar article. Des. 84.283; June 2.
Gaunt, Floyd, M. B. Reynolds, and R. C. Hughes, assignors to Reynolds Gas Regulator Company, Anderson, Ind. Fluid-pressure regulator. 1,800,683; Apr. 14.
Gaunt, Floyd, M. B. Reynolds, and R. C. Hughes, assignors to Reynolds Gas Regulator Co., Anderson, Ind. Gas regulator. 1,800,995; Apr. 14.
Gaunt, Joseph. (See Denney, H. J., and Gaunt.)
Gaus, Wilhelm, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Removing iron from materials. 1,789,813; Jan. 20.
Gaus, Wilhelm, and W. Wild, Ludwigshafen-on-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing combustible gases. 1,801,857; Apr. 21.
Gaus, Wilhelm, Ludwigshafen-on-the-Rhine, Mittasch, Mannheim and L. Schlecht, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of metal carbonyls. 1,812,399; June 30.
Gauthier, Francois X., Montreal, Quebec, Canada. Sander. 1,793,689; Feb. 24.
Gautier, Georges, Léon Le Bozec, Courbevoie, and Raymond Dubois, Asnieres, France. Cathode for rotary-flame arcs. 1,793,605; Feb. 24.
Gautier, Trevor R., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H. Strip-roll-tensioning means. 1,792,461; Feb. 10.
Gauvin, Louis, Wilkinsonville, Mass. Loom shuttle. 1,838,387; Dec. 29.
Gavaza, George V., Quincy, Mass. Cushion. 1,806,341; May 19.
Gavaza, George V., Quincy, Mass. Bottle filling device. 1,834,453; Dec. 1.
Gavin, Gordon P., assignor to Kohler Company, Kohler, Wis. Siphon jet closet. 1,821,300; Sept. 1.
Gavitt, Arthur W., assignor to A. Stein & Company, Chicago, Ill. Fastener. 1,827,357; Oct. 13.
Gavlak, Joseph G., Monongahela City, Pa. Mechanical toy. 1,811,543; June 23.
Gavlak, Joseph G., Monongahela, Pa. Milk bottle holder. 1,818,059; Aug. 11.
Gavlak, Joseph G., Monongahela City, Pa. Toy cannon. 1,834,395; Dec. 1.
Gavriloff, Joe, Kent, Ohio. Weed picker. 1,809,687; June 9.
Gaw-O'Hara Envelope Company. (See Lewis, Emanuel J., assignor.)
Gawsworth Patents Limited et al. (See Shimwell, Oliver, assignor.)
Gay, Arthur W., Reno, Nev. Flexible vulcanizing spotter. 1,822,022; Sept. 8.
Gay, Azel, assignor to Multipost Company, Rochester, N. Y. Stamp affixing machine. 1,820,697; Aug. 25.
Gay, Frazer W., Newark, N. J. Induction motor. 1,798,598; Mar. 31.
Gay, Frazer W., Newark, N. J. Electrical transformer system. 1,798,874; Mar. 31.
Gay, Frazer W., Newark, N. J. Automatic airplane control mechanism. 1,804,006; May 5.
Gay, Frazer W., Newark, N. J. Steam generating system. 1,807,783; June 2.
Gay, Frazer W., Newark, N. J. Protective system for transformers. 1,809,895; June 16.
Gay, Frazer W., Newark, N. J. Power transmission system. 1,814,684; July 14.
Gay, Frazer W., Newark, N. J. Protective system. 1,816,838; Aug. 4.
Gay, Frazer W., Newark, N. J. Propelling ships. 1,818,705; Aug. 11.
Gay, Frazer W., Newark, N. J. Refrigerating method and machine. 1,821,508; Sept. 1.
Gay, Frazer W., Newark, N. J. Thermal refrigerator. 1,821,509; Sept. 1.
Gay, Frazer W., Newark, N. J., assignor to General Electric Company. Electric transformer and system of distribution. 1,815,842; July 21.
Gay, Frazer W., Newark, N. J., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Apparatus for limiting electrical currents. 1,830,938; Nov. 10.
Gay, Frazer W., Newark, N. J., assignor to General Electric Company. Dynamo-electric machine winding. 1,832,700; Nov. 17.
Gay, Norman H., Los Angeles, Calif. Heat-exchange apparatus. 1,789,739; Jan. 20.
Gay, Norman H., Los Angeles, Calif. Precooling system. 1,792,368; Feb. 10.
Gay, Norman H., Los Angeles, Calif. Accumulator and tank coil system for refrigeration. 1,794,110; Feb. 24.
Gay, Norman H., Los Angeles, Calif. Valve float for refrigerating systems. 1,829,828; Nov. 3.
Gay, Norman H., Los Angeles, Calif. Refrigerating system. 1,836,318; Dec. 15.
Gay, Samuel, et al. (See Grant, Colin, assignor.)
Gay, Stephen H., Dallas, Tex. Closure operator. 1,828,137; Oct. 20.
Gayer, Gustav A., New York, N. Y. Exhibitor or recorder. 1,797,647; Mar. 24.
Gaylord Brothers, Inc. (See Moulton, Lloyd W., assignor.)
Gaylord Brothers, Incorporated. (See Van Dusen, George, assignor.)
Gaylord, Harlow F., Congress Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for rewinding rolls of material. 1,815,250; July 21.
Gaylord, Henry J., Syracuse, N. Y. Temporary binder for pamphlets and other folded articles. 1,820,736; Aug. 25.
Gaylord, Robert H., Los Angeles, Calif. Elevator signaling system. 1,837,215; Dec. 22.
Gaynor, Arthur C., Stratford, Conn. Electrical flush plate. Des. 85,612; Nov. 24.
Gaynor, Arthur C., Stratford, Conn. Electric switch. 1,821,180; Sept. 1.
Gaynor, James A., Brooklyn, N. Y. Recording means for readings of theodolites and the like. 1,820,187; Aug. 25.
Gazecki, Leonard H. (See Gazecki, Philip J. and L. H.)
Gazecki, Philip J. and L. H., Menasha, Wis. Decoy. 1,789,649; Jan. 20.
Gear Processing, Inc. (See Fehr, Roy B., assignor.)
Gearench Manufacturing Company. (See Peterson, Joseph A., assignor.)
Gearench Manufacturing Company. (See Sorensen, Sam, assignor.)
Gearench Manufacturing Company. (See Sorensen, S., and Peterson, assignors.)
Gearhart, Alonzo W., Fresno, Calif. Fuel oil burner. 1,827,390; Oct. 13.
Gearhart, James W., Fresno, Calif. Door securing device. 1,833,710; Nov. 24.
Gearhart, Joseph W., Chicago, Ill. Type storing and delivering apparatus. 1,821,631; Sept. 1.
Gearin, M., & Sons Limited. (See Cullen, John R., assignor.)
Gearing, Jesse, Sebring, Fla. Watch holder. 1,835,213; Dec. 8.
Gearon, Edward, Chicago, Ill. Cigarette. 1,724,227; Feb. 24.
Gearrard Company, The. (See Cary, Spencer C., assignor.)
Gears & Forgings, Incorporated. (See Dukes, Emil, assignor.)
Geartner, Richard, Moulton, Tex. Stringed musical instrument. 1,834,695; Dec. 1.
Geartner, Richard, Moulton, Tex. Automatic accordion. 1,836,961; Dec. 15.
Geary, Albert V., Westville, N. H. Hydraulic power plant. 1,822,806 Sept. 8.
Geary, Isaac, London, England. Antiglare or antidazzle device for lamps. 1,812,779; June 30.
Geauque, Harry A., Galesburg, Ill. Burner. 1,818,471; Aug. 11.
Gebauer, Charles L., Shaker Heights, assignor to The Ohio Instrument Manufacturing Company, Cleveland, Ohio. Producing metallic articles. 1,809,780; June 9.
Gebers, Friedrich, Vienna, Austria. Out of water propeller. 1,808,032; June 2.
Gebert, Albert E. (See Antoine, A. D., and Gebert.)
Gebert, Albert E., Wilmette, assignor to Advance Machine Company, Chicago, Ill. Game apparatus. 1,801,308; Apr. 21.
Gebhard Louis A., Washington, D. C. assignor to Wired Radio Inc., New York, N. Y. Inductance system. Re18.070; May 19.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Inductance coil. 1,789,229; Jan. 13.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Inductance system. 1,794,606; Mar. 3.

Gebhard, Louis A., Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Power-supply system for radiotransmitters. 1,799,224; Apr. 7.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Adjustable inductance and coupling system. 1,809,932; June 16.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Inductance system. 1,809,938; June 16.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Inductance system. 1,817,247; Aug. 4.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Adjustable inductance system. 1,817,248; Aug. 4.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Inductance system. 1,818,316; Aug. 11.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Electrical measuring system. 1,820,018; Aug. 25.
Gebhard, Louis A., Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. High power rectifier system. 1,822,618; Sept. 8.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Interlocking system for high frequency transmitters. 1,826,766; Oct. 13.
Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Neutralizing system for radio transmitters. 1,829,273; Oct. 27.
Gebhard, Louis A., and C. F. Rudolph, Washington, D. C., assignors, by mesne assignments, to Federal Telegraph Company. Electron tube apparatus. 1,814,376; July 14.
Gebhardt, William, assignor to G. A. Duerler Manufacturing Company, San Antonio, Tex. Nut grading machine. 1,808,104; June 2.
Gebhart Folding Box Company, The. (See Gebhart, Louis H., assignor.)
Gebhart, Louis H., assignor to The Gebhart Folding Box Company, Dayton, Ohio. Box making machine. 1,832,481; Nov. 17.
Gebr. Aickhoff, Maschinenfabrik u. Eisengiesserei. (See Aurich, Peter, assignor.)
Gebruder Brehmer Maschinen-Fabrik. (See Kleinschmit, Oscar, assignor.)
Gebrüder, Brehmer Maschinen-Fabrik. (See Kleinschmit, O., Apitzsch, and Felsch, assignors.)
Geddes, Adam E., assignor to American Radiator Company, New York, N. Y. Foundry apparatus. 1,832,626; Nov. 17.
Geddes, Norman B., New York, N. Y. Radiocabinet. Des. 85,473; Nov. 3.
Geddes, Norman B., New York, N. Y. Radiocabinet. Des. 85,520; Nov. 10.
Geddes, Norman B., New York, N. Y. Radiocabinet. Des. 85,818; Dec. 22.
Geddes, Norman B., New York, N. Y. Radiocabinet. Des. 85,819; Dec. 22.
Geddes, William E., assignor to General American Tank Car Corporation, Chicago, Ill. Safety brake-beam support for car trucks. 1,838,388; Dec. 29.
Gedeon, Andrew, Chicago, Ill. Radiator. 1,804,603; May 12.
Gedge, Edna R., Los Angeles, Calif., assignor to Peerless Products Co. Cartridge-holding floor polisher. 1,809,968; June 16.
Gedge, Frederick C., Plainfield, Ill. Equalizing feed means for water tube boilers. 1,807,088; May 26.
Gedris, William A., Grand Rapids, Mich. Upholsterer's appliance. 1,837,540; Dec. 22.
Gee, Albert, Elkins Park, Pa. Yarn carrier control mechanism for flat knitting machines. 1,809,969; June 16.
Gee, William J. (See Orester, J., and Gee.)
Geer, Hobart S., Corona, assignor to American Safety Device Co., New York, N. Y. Hoisting device. 1,833,484; Nov. 24.
Geer, Paul L. (See Morton, W. A., and Geer.)
Geer, Paul L., Albany, Calif., assignor of three-tenths to W. M. Wooten, San Francisco, and three-tenths to M. C. Frank, Oakland, Calif. Liquid atomizing and aerating device. 1,790,804; Feb. 3.
Geer, William C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Gas impervious sheet material and making the same. 1,801,666; Apr. 21.
Geertz, Eric. (See Dull, R. W., and Geertz.)
Geffert, John A., West Bridgewater, Pa. Combined screw and push electric plug. 1,809,478; June 9.
Geffroy, Georges A., Faverolles, France. Rotary harrow. 1,794,011; Feb. 24.
Geffroy, Ralph N., Stockton, Calif. Earth working implement. 1,807,784; June 2.
Gégauff, Charles, Mulhouse, France. Combing machine. 1,816,644; July 28.
Gégauff, Charles, and J. Pfimlin, Mulhouse, France. Staple fiber reclaiming device for revolving flat cards. 1,825,948; Oct. 6.
Gehersky, William W., Riverside, assignor of one-fourth to F. Emard, Los Angeles, Calif. Adjustable spotlight. 1,812,290; June 30.
Gehl, Henry M., West Bend, Wis. Ensilage cutter. 1,793,476; Feb. 24.
Gehm, Arthur, Pittsburgh, Pa. Massage instrument. 1,815,560; July 21.
Gehm, Frederick A., Chicago, Ill. Radio receiving set. 1,835,036; Dec. 8.
Gehman, Harry, Philadelphia, Pa. Belt buckle. 1,837,120; Dec. 15.
Gehnrich, Charles L., Elmhurst, assignor to Gehnrich Oven Co., Inc., Long Island City, N. Y. Oven safety control. 1,796,198; Mar. 10.
Gehnrich Oven Co. (See Gehnrich, Charles L., assignor.)
Gehr, Charles A. (See Freas, S. T., and Gehr.)
Gehri, George F., Tacoma, Wash. Warm air register seal. 1,811,231; June 23.
Gehrig, Edward F., Grosse Pointe Park, assignor to Detroit-Michigan Stove Company, Detroit, Mich. Gas stove igniter. 1,823,538; Sept. 15.
Gehrig, Walter, Highland Park, Mich. Spotlight. 1,794,166; Feb. 24.
Gehrig, William F. Berkeley Heights, N. J. Detonating firework composition. 1,805,945; May 19.
Gehrig, William F., assignor to Essex Specialty Co., Inc., Berkeley Heights, N. J. Pyrotechnical composition. 1,830,392; Nov. 3.
Gehring, John. (See Slade, H. E., and Gehring.)
Gehrlein, Vincent, assignor to Lowell Manufacturing Company, Erie, Pa. Wringer. 1,830,832; Nov. 10.
Geiats, August, Briedenau, Berlin, and H. Kolligs, Berlin, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt near Berlin, Germany. Cathode and making the same. 1,830,162; Nov. 3.
Gehrung, Julien A., New York, N. Y. Motor releasing system for aeroplanes. 1,836,319; Dec. 15.
Geib, George A., St. Paul, Minn. Attachment for cigarette packages. 1,821,795; Sept. 1.
Geib, Victor. (See Lynde, Willis L., assignor.)
Geib, Warren J., Madison, Wis. Vehicle towing device. 1,814,912; July 14.
Geier, Ernest C., assignor to Duplan Silk Corporation, New York, N. Y. Identifying fabrics. 1,827,513; Oct. 13.
Geier, P. A., Company, The. (See Lawrence, Charles B., assignor.)
Geier, P. A., Company, The. (See Lawrence, C. B., and Martinet, assignors.)
Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)
Geiger, Adolph, Elizabeth, N. J. Stencil roller. 1,817,683; Aug. 4.
Geiger, Edward F., Chicago, Ill., assignor to International Time Recording Company of New York, Endicott, N. Y. Program device. 1,791,927; Feb. 10.
Geiger, Edward F., Binghamton, N. Y. Carburetor. 1,814,143; July 14.
Geiger, Edward F., Binghamton, N. Y. Carburetor. 1,819,706; Aug. 18.
Geiger, Edward F., Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Program self-regulating control system. 1,800,381; Apr. 14.
Geiger, Edward F., Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Automatic battery charging system. 1,812,628; June 30.
Geiger, Edward F., Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Battery charging device. 1,835,386; Dec. 8.
Geiger, Ernst, Irvington, N. J. Garage. 1,788,155; Jan. 6.
Geiger, Ernst, Irvington, N. J. Automobile guiding apparatus. 1,805,211; May 12.
Geiger, Ernst, Irvington, N. J. Garage elevator. 1,824,340; Sept. 22.
Geiger, Ernst, Irvington, N. J. Building construction. 1,826,767; Oct. 13.
Geiger, Eugene, Armonk, N. Y. Tree extractor. 1,799,967; Apr. 7.
Geiger, Frederick, assignor to The Enamel Products Company, Cleveland, Ohio. Enameled metal top for tables and the like. 1,800,343; Apr. 14.
Geiger, Hellmut, Bad Soden in the Taunus, Germany. Disk valve. 1,823,394; Sept. 15.
Geiger, Josef, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Diesel locomotive having power cylinders connected to the driving mechanism. 1,826,873; Oct. 13.
Geiger, Julius, G. m. b. H. (See Winny, Franz, assignor.)
Geiger, Paul H., Ann Arbor, Mich., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,797,468; Mar. 24.
Geiger, Paul H., Ann Arbor, Mich., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical measuring apparatus. 1,799,683; Apr. 7.
Geiger, Paul H., Ann Arbor, Mich., assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for use in the manufacture of rectifiers. 1,814,592; July 14.
Geiger, Paul H., Ann Arbor, Mich., assigior to The Union Switch & Signal Company, Swissvale, Pa. Manufacture of copper oxide rectifiers. 1,834,275; Dec. 1.
Geiger Truck Co. (See Balrymple, Earl C., assignor.)
"Geigy, J. R., S. A." (See Krebser, A., and Wysard, assignors.)
Geigy, J. R., S. A. (See Laeuger, Paul, assignor.)
Geigy, J. R., S. A. (See Oswald, Leopold, assignor.)
Geigy, J. R., S. A. (See Richard, Bernhard, assignor.)
Geigy, J. R., S. A., The Firm. (See Mettler, Carl, assignor.)

Geiler, Frederick C., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Pressure electric switch. 1,820,063; Aug. 25.
Geiler, Frederick C., assignor to Trupar Manufacturing Company, Dayton, Ohio. Compressor-condenser unit. 1,823,858; Sept. 15.
Geimer, Anthony P., assignor to Hamilton Manufacturing Co., Two Rivers, Wis. Cabinet. 1,798,875; Mar. 31.
Geimer, Anthony P., assignor to Hamilton Manufacturing Co., Two Rivers, Wis. Cabinet. 1,798,876; Mar. 31.
Geimer, William J., assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Container. 1,833,675; Nov. 24.
Geisler, Fred P., Chicago, Ill. Electric cord fixture. 1,793,924; Feb. 24.
Geisler, Otto, and G. W. Seth, Chicago, Ill. Expansion device for diagonals and bulkhead wires. 1,811,122; June 23.
Geisse, John H., Madison, Wis. Internal-combustion engine. 1,795,551; Mar. 10.
Geisselinger, Jean, Forest Hills, assignor to A. K. Kempton, Jackson Heights, N. Y. Electrical horology. 1,826,066; Oct. 6.
Geissen, Karl, Berlin-Zehlendorf, and W. Vorbrodt, Spandaun, near Berlin, assignors, by mesne assignments, to Kohlenveredlung Aktiengesellschaft, Berlin, Germany. Retort oven. 1,811,544; June 23.
Geissler, Erich. (See Kühn, L., and Geissler.)
Geisslinger, Jean, Geneva, Switzerland, assignor, by mesne assignments, to Mitchell-Hunter Co., Chicago, Ill. Electric winding-up device for clock works. 1,797,648; Mar. 24.
Geist, William F., Hutchinson, Kans. Electric hand lantern. 1,797,499; Mar. 24.
Geist, William J., Lockport, assignor to The Spout Corporation, Illinois, Joliet, Ill. Spout construction. 1,830,056; Nov. 3.
Geist, William J., Lockport, assignor to The Spout Corporation of Illinois, Joliet, Ill. Spout for containers or the like. 1,830,057; Nov. 3.
Geistert, Albert G., assignor to General Motors Corporation, Detroit, Mich. Clutch-throw-out bearing. 1,788,864; Jan. 13.
Gelstharp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making plate glass. 1,815,972; July 28.
Gelardi, August J., Bronx, N. Y. Combination pencil, rule, and compass. 1,806,849; May 26.
Geldhof, Peter E. (See Nelson, J. C., and Geldhof.)
Geldhof, Peter E., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Washing machine. 1,789,939; Jan. 20.
Geldhof, Peter E., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Drive for centrifugal extractors. 1,789,940; Jan. 20.
Geldhof, Peter E., Syracuse, and L. Ringer, Union Springs, assignors to Syracuse Washing Machine Corporation, Syracuse, N. Y. One-way clutch and operating mechanism therefor. 1,799,362; Apr. 7.
Gelette, Marshall W., New Bedford, Mass. Automobile registration plate holder. 1,789,740; Jan. 20.
Gelissen, Henri C. J. H., Roermond, Netherlands. Apparatus and process for treating oxydic compounds. 1,830,696; Nov. 3.
Gellar, Leon W., Hamburg, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Monazo dyes from p-chlorphenylpyrazolones and anilines. 1,809,030; June 9.
Geller, Andrew, Shoe Manufacturing Co. Inc. (See Stuart, Paul A., assignor.)
Geller, Chillyon M., New York, N. Y. Doll carriage. Des. 85,640; Dec. 1.
Geller, Leon W., Hamburg, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Eliminating excess diazo compounds. 1,815,903; July 28.
Gellman, Barnet. (See Esterman, J., and Gellman.)
Gellner, Belle B., trustee. (See Graver, Edwin H., assignor.)
Geloso, John, Lawrence, Mass., assignor to Pilot Radio & Tube Corporation, Brooklyn, N. Y. Cabinet for radioreceivers. Des. 83,436; Feb. 24.
Geloso, John, assignor to Pilot Radio & Tube Corporation, Lawrence, Mass. Cabinet for radioreceivers. Des. 83,855; Apr. 7.
Geloso, John, New York, assignor, by mesne assignments, to Pilot Radio & Tube Corporation, Brooklyn, N. Y. Socket. 1,811,464; June 23.
Geloso, John, New York, assignor, by mesne assignments, to Pilot Radio & Tube Corporation, Brooklyn, N. Y. Television device. 1,811,465; June 23.
Geloso, John, New York, assignor to Pilot Electric Manufacturing Company, Inc., Brooklyn, N. Y. Switch. 1,811,498; June 23.
Gelow, Albert J., assignor to The Warren Featherbone Co., Three Oaks, Mich. Hose supporter. 1,794,681; Mar. 3.
Gemberling, Cameron H., South Bend, Ind., assignor, by mesne assignments, to Oliver Farm Equipment Company. Harrow hitch. 1,805,484; May 12.
Gemberling, Harry A., and Asle Bjella, Epping, N. Dak. Tractor hitch. 1,811,267; June 23.
Gemeinhardt, Walter, New York, N. Y. Ligature for reed instruments. 1,801,421; Apr. 21.
Gemex Company. (See Prestinari, Eugene, assignor.)
Gemex Company. (See Roy, Wilfrid J., assignor.)
Gem Manufacturing Company. (See Hedrick, Gale H., assignor.)
Gemmer Manufacturing Company. (See Marles, Henry, assignor.)
Gemmer Manufacturing Company. (See Osburn, Wallace N., assignor.)
Gemsco, Inc. (See Rieb, Walter, assignor.)
Genenger, Richard, Aachen-Forst, Germany, assignor, by mesne assignments, to The American Bicheroux Company. Glass rolling machine. 1,801,733; Apr. 21.
Genenger, Richard, Aachen-Forst, Germany, assignor, by mesne assignments, to The American Bicheroux Company. Take off and leering conveyer for sheet glass forming machines. 1,829,134; Oct. 27.
Genenger, Richard, Aachen-Forst, Germany, assignor to N. V. Maatschappij tot Beheer en Exploitatie van Octrooien, The Hague, Netherlands. Plate glass rolling machine. 1,833,248; Nov. 24.
Genenger, Richard, Aachen-Forst, Germany, assignor, by mesne assignments, to The American Bicheroux Company. Manufacture of sheet glass. 1,838,305; Dec. 29.
General Abrasive Company. (See Richmond, H. A., and MacLaughlin, assignors.)
General Aircraft Corporation. (See Stewart, Bayard S., assignor.)
General Airmotors Company. (See Moore, Robert S., assignor.)
General Alloys Company. (See Harris, Henry H., assignor.)
General Alloys Company. (See McCormick, George C., assignor.)
General American Tank Car Corporation. (See Eakins, Isaiah A., assignor.)
General American Tank Car Corporation. (See Geddes, William E., assignor.)
General American Tank Car Corporation. (See Parks, Ostrander J., assignor.)
General American Tank Car Corporation. (See Pierce, Raymond C., assignor.)
General Aniline Works, Inc. (See Ballauf, F., Muth, and Schmelzer, assignors.)
General Aniline Works, Inc. (See Ballauf, F., and Schmelzer, assignors.)
General Aniline Works, Inc. (See Bauer, Wilhelm, assignor.)
General Aniline Works, Inc. (See Bauer, W., and Zeh, assignors.)
General Aniline Works, Inc. (See Baumann, Fritz, assignor.)
General Aniline Works, Inc. (See Bazlen, M., and Rieger, assignors.)
General Aniline Works, Inc. (See Beck, K., and Kracker, assignors.)
General Aniline Works, Inc. (See Berliner, Robert, assignor.)
General Aniline Works, Inc. (See Bruck, W., and Helwert, assignors.)
General Aniline Works, Inc. (See Brunner, Arnold, assignor.)
General Aniline Works, Inc. (See Bucherer, Hans T., assignor.)
General Aniline Works, Inc. (See Dereser, R., and Moldaenke, assignors.)
General Aniline Works, Inc. (See Dobmaier, Karl, assignor.)
General Aniline Works, Inc., (See Doser, A., Mauthe, and Thauss, assignors.)
General Aniline Works, Inc. (See Eckert, Wilhelm, assignor.)
General Aniline Works, Inc. (See Eckert, W., and Müller, assignors.)
General Aniline Works, Inc. (See Eichholz, Willy, assignor.)
General Aniline Works, Inc. (See Eichwede, H., and Fischer, assignors.)
General Aniline Works, Inc. (See Eichwede, H., and Fischer, E., assignors.)
General Aniline Works, Inc. (See Emmer, Hans J., assignor.)
General Aniline Works, Inc. (See Fitzky, Wilhelm, assignor.)
General Aniline Works, Inc. (See Fitzky, W., and Thoma, assignors.)
General Aniline Works, Inc. (See Glietenberg, Eugen, assignor.)
General Aniline Works, Inc. (See Glietenberg, E., Haller, and Baltes, assignors.)
General Aniline Works, Inc. (See Gressly, Alfred, assignor.)
General Aniline Works, Inc. (See Greune, Heinrich, assignors.)
General Aniline Works, Inc. (See Grotowsky, Hans, assignor.)
General Aniline Works, Inc. (See Haller, Josef, assignor.)
General Aniline Works, Inc. (See Heidenreich, Rudolf, assignor.)
General Aniline Works, Inc. (See Heidenreich, Rudolf M., assignor.)
General Aniline Works, Inc. (See Heidenreich, R., Zerweck, and Honold, assignors.)
General Aniline Works, Inc. (See Heil, Rudolf, assignor.)
General Aniline Works, Inc. (See Hentrich, Winfrid, assignor.)

General Aniline Works. (See Hentrich, W., and Knoche, assignors.)
General Aniline Works, Inc. (See Hentrich, W., and Rimele, assignors.)
General Aniline Works, Inc. (See Hentrich, W., and Tietze, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Hardtmann, and Hilger, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Hardtmann, and Knoche, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Hardtmann, Knoche, and Hilger, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Hardtmann, and Metzel, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Hardtmann, and Tietze, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Knoche, and Ballauf, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Knoche, and Tietze, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Knoche, Tietze, and Hilger, assignors.)
General Aniline Works, Inc. (See Hentrich, W., Knoche, and Virck, assignors.)
General Aniline Works, Inc. (See Herz, Richard, assignor.)
General Aniline Works, Inc. (See Herz, R., Bauer, and Steiger, assignors.)
General Aniline Works, Inc. (See Herz, R., and Hechtenberg, assignors.)
General Aniline Works, Inc. (See Herz, R., Runne, and Albrecht, assignors.)
General Aniline Works, Inc. (See Herz, R., and Schubert, assignors.)
General Aniline Works, Inc. (See Herz, R., and Zerweck, assignors.)
General Aniline Works. (See Heusner, K., and Simon, assignors.)
General Aniline Works, Inc. (See Heyna, Hans, assignor.)
General Aniline Works, Inc. (See Heyna, H., and Thoma, assignors.)
General Aniline Works, Inc. (See Hoffa, E., and Kerth, assignors.)
General Aniline Works, Inc. (See Hoffa, E., and Luce, assignors.)
General Aniline Works, Inc. (See Hoffa, E., and Müller, assignors.)
General Aniline Works, Inc. (See Holl, Alfred, assignor.)
General Aniline Works, Inc. (See Holzach, K., Kämmer, and Müller, assignors.)
General Aniline Works, Inc. (See Holzapfel, E., Braunsdorf, and Lange, assignors.)
General Aniline Works, Inc. (See Hopff, Heinrich, assignor.)
General Aniline Works, Inc. (See Huismann, J., Schweitzer, and Stüsser, assignors.)
General Aniline Works, Inc. (See Kalischer, G., and Bayer, assignors.)
General Aniline Works, Inc. (See Kalischer, G., and Biehler, assignors.)
General Aniline Works, Inc. (See Kalischer G., and Fleischhauer, assignors.)
General Aniline Works, Inc. (See Kalischer, G. and Frister, assignors.)
General Aniline Works, Inc. (See Kalischer, G., and Gast, assignors.)
General Aniline Works, Inc. (See Kalischer, G., Günther, Keller, and Hetzer, assignors.)
General Aniline Works, Inc. (See Kalischer, G., and Honold, assignors.)
General Aniline Works, Inc. (See Kalischer, G., and Lange, assignors.)
General Aniline Works, Inc. (See Kalischer G., Scheyer, and Keller, assignors.)
General Aniline Works, Inc. (See Kalischer, G., and Schultis, assignors.)
General Aniline Works, Inc. (See Kalischer, G., and Zerweck, assignors.)
General Aniline Works, Inc. (See Kammerer, Hans, assignor.)
General Aniline Works, Inc. (See Keller, F., and Schnitzspahn, assignors.)
General Aniline Works, Inc. (See Korten, Ernst, assignor.)
General Aniline Works, Inc. (See Kranzlein, G., Greune, Thiele, and Hager, assignors.)
General Aniline Works, Inc. (See Kranzlein, G., Hartmann, and Hardt, assignors.)
General Aniline Works, Inc. (See Kränzlein, G., and Vollmann, assignors.)
General Aniline Works, Inc. (See Kränzlein, G., Vollman, and Corell, assignors.)
General Aniline Works, Inc. (See Kranzlein, G., Vollmann, Greune, and Wolfram, assignors.)
General Aniline Works, Inc. (See Kränzlein, G., Wolfram, and Hausdörfer, assignors.)
General Aniline Works, Inc. (See Krzikalla, Hans., assignor.)
General Aniline Works, Inc. (See Krzikalla, H., and Bluemmel, assignors.)
General Aniline Works, Inc. (See Krzikalla, H., and Blümmel, assignors.)
General Aniline Works, Inc. (See Krzikalla,H., and Kaemnerer, assignors.)
General Aniline Works, Inc. (See Krzikalla, H., and Schnitzspahn, assignors.)
General Aniline Works, Inc. (See Kugel, Max, assignor.)
General Aniline Works, Inc. (See Kunz, Max A., assignor.)
General Aniline Works, Inc. (See Kunz, M. A., and Koeberle, assignors.)
General Aniline Works, Inc. (See Kunz, M. A., Koeberle, and Berthold, assignors.)
General Aniline Works Inc. (See Kunz, M. A., Koeberle, and Bruck, assignors.)
General Aniline Works, Inc. (See Kunz, M. A., Koeberle, and Zerweck, assignors.)
General Aniline Works, Inc. (See Kunz, M. A., von Rosenberg, and Gofferjé, assignors.)
General Aniline Works, Inc. (See Lange, Werner, assignor.)
General Aniline Works, Inc. (See Laska, L., and Haller, assignors.)
General Aniline Works, Inc. (See Laska, L., Reyher, and Zitscher, assignors.)
General Aniline Works, Inc. (See Laska, L., and Werdermann, assignors.)
General Aniline Works, Inc. (See Laska, L., and Zitscher, assignors.)
General Aniline Works, Inc. (See Leopold, R., and Paquin, assignors.)
General Aniline Works, Inc. (See Luettringhaus, A., Neresheimer, and Eichholz, assignors.)
General Aniline Works, Inc. (See Luettringhaus, A., Neresheimer, and Emmer, assignors.)
General Aniline Works, Inc. (See Lüttringhaus, A., Effiaender, and Kačer, assignors.)
General Aniline Works, Inc. (See Lüttringhaus, A., Nawiasky, and Krause, assignors.)
General Aniline Works, Inc. (See Lüttringhaus, A., Wolff, and Neresheimer, assignors.)
General Aniline Works, Inc. (See Marx, K., and Lehmann, assignors.)
General Aniline Works, Inc. (See Mayer, Fritz, assignor.)
General Aniline Works, Inc. (See Meyer, K. H., and Schuster, assignors.)
General Aniline Works, Inc. (See Mieg, Walter, assignor.)
General Aniline Works, Inc. (See Mieg, W., and Bauman, assignors.)
General Aniline Works, Inc. (See Mieg, W., and Berliner, assignors.)
General Aniline Works, Inc. (See Muench, E., and Voltz, assignor.)
General Aniline Works, Inc. (See Münz, Ferdinand, assignor.)
General Aniline Works, Inc. (See Muth, Friedrich, assignor.)
General Aniline Works, Inc. (See Nawiasky, P., Braunsdorf, and Ehrhardt, assignors.)
General Aniline Works, Inc. (See Nawaisky, P. Braunsdorf, and Holzapfel, assignors.)
General Aniline Works, Inc. (See Nawiasky, P., and Effiaender, assignors.)
General Aniline Works, Inc. (See Nawiasky, P., and Krauch, assignors.)
General Aniline Works, Inc. (See Nawiasky, P., and Krause, assignors.)
General Aniline Works, Inc. (See Nawiasky, P., and Mueller, assignors.)
General Aniline Works, Inc. (See Neelmeier, W., and Glietenberg, assignors.)
General Aniline Works, Inc. (See Neelmeier, W., and Hentrich, assignors.)
General Aniline Works, Inc. (See Neresheimer, H., and Schneider, assignors.)
General Aniline Works, Inc. (See Nicodemus, O., and Berndt, assignors.)
General Aniline Works, Inc. (See Nusselein, Joseph, assignors.)
General Aniline Works, Inc. (See Risse, F., Wohlers, and Paquin, assignors.)
General Aniline Works, Inc. (See Scheyer, Heinz, assignor.)
General Aniline Works, Inc. (See Schindhelm, Hans, assignor.)
General Aniline Works. (See Schirmacher, K., and Fischer, assignors.)
General Aniline Works, Inc. (See Schirmacher, K., and Renn, assignors.)
General Aniline Works, Inc. (See Schirmacher, K., and Schlichenmaier, assignors.)
General Aniline Works, Inc. (See Schirmacher, K., Schlichenmaier, Kross, Schaich, Tampke and Neumann, assignors.)
General Aniline Works, Inc. (See Schirmacher, K., Stein, and Stenger, assignors.)
General Aniline Works, Inc. (See Schirmacher, K., Zahn, Hoffa, and Heyna, assignors.)
General Aniline Works, Inc. (See Schladebach, H., and Hähle, assignors.)
General Aniline Works, Inc. (See Schmelzer, A., Müth, and Ballauf, assignors.)
General Aniline Works, Inc. (See Schmidt, Karl, assignor.)
General Aniline Works, Inc. (See Schmidt, M. P., and Neugebauer, assignors.)
General Aniline Works. Inc. (See Schneevoigt, A., and Anacker, assignors.)

General Aniline Works Inc. (See Schnitzspahn, Karl, assignor.)
General Aniline Works, Inc. (See Schoeller, Conrad, assignor.)
General Aniline Works, Inc. (See Schüle, R., and Korten, assignors.)
General Aniline Works, Inc. (See Schweitzer, Hugo, assignor.)
General Aniline Works, Inc. (See Schwenk, Erwin, assignor.)
General Aniline Works, Inc. (See Sohst, Otto, assignor.)
General Aniline Works, Inc. (See Spengler, O., and Muller, assignors.)
General Aniline Works, Inc. (See Steiger, Norbert, assignor.)
General Aniline Works, Inc. (See Stusser, Richard, assignor.)
General Aniline Works, Inc. (See Tesche, H., and Job, assignors.)
General Aniline Works, Inc. (See Thauss, A., and Dahl, assignors.)
General Aniline Works, Inc. (See Thauss, A., and Günther, assignors.)
General Aniline Works, Inc. (See Thiess, K., and Deicke, assignors.)
General Aniline Works, Inc. (See Thiess, K., and Meissner, assignors.)
General Aniline Works, Inc. (See Thiess, K., Meissner, and Heyna, assignors.)
General Aniline Works, Inc. (See Thiess, K., Meissner, and Zerweck, assignors.)
General Aniline Works, Inc. (See Wagner, H., and Beck, assignors.)
General Aniline Works, Inc. (See Wagner, H., and Brune, assignors.)
General Aniline Works, Inc. (See Wagner, H., Eichwede, and Fischer, assignors.)
General Aniline Works, Inc. (See Wagner, H., Hessenland, and Brune, assignors.)
General Aniline Works, Inc. (See Wagner, H., Kissling, Hotz, and Fitzky, assignors.)
General Aniline Works, Inc. (See Weinand, Klaus, assignor.)
General Aniline Works, Inc. (See Wenk, B., and Stötter, assignors.)
General Aniline Works, Inc. (See Wilke, Karl, assignor.)
General Aniline Works, Inc. (See Wolfram, A., and Hausdörfer, assignors.)
General Aniline Works, Inc. (See Wolfsleben, Georg, assignor.)
General Aniline Works, Inc. (See Zeh, L., Kramer, and Bollweg, assignors.)
General Aniline Works, Inc. (See Zerweck, Werner, assignor.)
General Aniline Works, Inc. (See Zerweck, W., and Heidenreich, assignors.)
General Aniline Works, Inc. (See Zerweck, W., and Honold, assignors.)
General Aniline Works, Inc. (See Zitscher, Arthur, assignor.)
General Aniline Works, Inc. (See Zitscher, Arthur, and Schmitt, assignors.)
General Aviation Corporation. (See Evers, William H., assignor.)
General Aviation Corporation. (See Fox, Harold E., assignor.)
General Aviation Corporation. (See Thaden, Herbert V., assignor.)
General Bronze Corporation. (See Hurley, R. T., and Carry, assignors.)
General Bronze Corporation. (See Polachek, J., Jepsen, and Peremi, assignors.)
General Cable Company. (See McKnight, Edgar W., assignor.)
General Cable Corporation. (See Boyle, William E., assignor.)
General Cable Corporation. (See Horn, George B., assignor.)
General Cable Corporation. (See Hunter, Joseph H., assignor.)
General Cable Corporation. (See Roux, Adrian P., assignor.)
General Cable Corporation. (See Saurman, A. B., and Webb, assignors.)
General Cable Corporation. (See Traxel, Charles E., assignor.)
General Carbonalpha Company, The. (See Aarts, Hendrikus C. J., assignor.)
General Ceramics Company. (See Whitaker, Frederic A., assignor.)
General Chain Company. (See Hogberg, J. L., and Granskog, assignors.)
General Chemical Company. (See Benner, R. C., and Thompson, assignors.)
General Chemical Company. (See Clark, Cyril B., assignor.)
General Chemical Company. (See Gillett, Lewry, assignor.)
General Chemical Company. (See Harkness, Andrew M., assignor.)
General Chemical Company. (See Lohmann, William H., assignor.)
General Chemical Company. (See Merriam, Henry F., assignor.)
General Chemical Company. (See Swords, Michael D., assignor.)
General Development Company, The. (See Christmas, William W., assignor.)
General Electric Company. (See Abbott, Charles C., assignor.)
General Electric Company. (See Acheson, M. A., and Zehner, assignors.)
General Electric Company. (See Adams, Lester V., assignor.)
General Electric Company. (See Alexander, Peter P., assignor.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Alger, Philip L., assignor.)
General Electric Company. (See Allen, Horace C., assignor.)
General Electric Company. (See Allen, Hugh E., assignor.)
General Electric Company. (See Alles, Kurt, assignor.)
General Electric Company. (See Amsden, Ralph D., assignor.)
General Electric Company. (See Anderson, Arvid E., assignor.)
General Electric Company. (See Anderson, Robert G., assignor.)
General Electric Company. (See Andrews, Paul D., assignor.)
General Electric Company. (See Aoki, Sataro, assignor.)
General Electric Company. (See Atwood, Winfield A., assignor.)
General Electric Company. (See Auringer, Jay A., assignor.)
General Electric Company. (See Austin, Edward, as signor.)
General Electric Company. (See Austin, Kirby B., as signor.)
General Electric Company. (See Bailey, William M., assignor.)
General Electric Company. (See Baker, Isaac F., assignor.)
General Electric Company. (See Baker, Walter R. G., assignor.)
General Electric Company. (See Bany, Herman, assignor.)
General Electric Company. (See Barton, Frederick C., assignor.)
General Electric Company. (See Barton, Theophilus F., assignor.)
General Electric Company. (See Barz, Friedrich, assignor.)
General Electric Company. (See Becq, André, assignor.)
General Electric Company. (See Bedford, Burnice D., assignor.)
General Electric Company. (See Beebe, Harold N., assignor.)
General Electric Company. (See Beebe, Lloyd S., assignor.)
General Electric Company. (See Beekman, Royce A., assignor.)
General Electric Company. (See Belfils, Georges, assignor.)
General Electric Company. (See Belt, Thomas A. E., assignor.)
General Electric Company. (See Bentley, Jetson O., assignor.)
General Electric Company. (See Berkenvelder, Barend H., assignor.)
General Electric Company. (See Biermanns, Josef, assignor.)
General Electric Company. (See Bierwirth, Rudolph A., assignor.)
General Electric Company. (See Bivens, Maurice E., assignor.)
General Electric Company. (See Black, Cadelle H., assignor.)
General Electric Company. (See Blom, Christiaan G., assignor.)
General Electric Company. (See Bloomberg, David J., assignor.)
General Electric Company. (See Blume, Louis F., assignor.)
General Electric Company. (See Blume, L. F., and Mathieu, assignors.)
General Electric Company. (See Bond, William L., assignor.)
General Electric Company. (See Bower, George W., assignor.)
General Electric Company. (See Bowman, F. H., Lynch, and Price, assignors.)
General Electric Company. (See Boyajian, Aram, assignor.)
General Electric Company. (See Boyer, Sylvester, assignor.)
General Electric Company. (See Bradford, Arthur J., assignor.)
General Electric Company. (See Bradbury, Burke, assignor.)
General Electric Company. (See Brandenstein, Errol W., assignor.)
General Electric Company. (See Brobst, John E., assignor.)
General Electric Company. (See Brokaw, Charles A., assignor.)

General Electric Company. (See Brossman, Jacob R., assignor.)
General Electric Company. (See Brown, Harold W., assignor.)
General Electric Company. (See Brown, William W., assignor.)
General Electric Company. (See Burnham, Elmer J., assignor.)
General Electric Company. (See Busch, H., and Byk, assignors.)
General Electric Company. (See Butcher, J. H., and Wills, assignors.)
General Electric Company. (See Butler, Henry E., assignor.)
General Electric Company. (See Byk, A., and Jordan, assignors.)
General Electric Company. (See Byles, Frank A., assignor.)
General Electric Company. (See Byrnes, Irving F., assignor.)
General Electric Company. (See Cameron, Hugh J., assignor.)
General Electric Company. (See Campbell, Percy A., assignor.)
General Electric Company. (See Carichoff, Eugene R., assignor.)
General Electric Company, et al. (See Carlisle, R. W., and Pierson, assignor.)
General Electric Company. (See Carlson, George, assignor.)
General Electric Company. (See Carlson, Wendell L., assignor.)
General Electric Company. (See Carlson, W. L., and Chittick, assignors.)
General Electric Company. (See Carlson, W. L., and Holmes, assignors.)
General Electric Company. (See Carpenter, Charles F., assignor.)
General Electric Company. (See Carpenter, Glenn W., assignor.)
General Electric Company. (See Carter, Emmett, E., assignor.)
General Electric Company. (See Cassidy, George E., assignor.)
General Electric Company. (See Caughey, Reed J., assignor.)
General Electric Company. (See Ceader, J. D., and Severin, assignors.)
General Electric Company. (See Champlin, Franklin J., assignor.)
General Electric Company. (See Chapman, Verni J., assignor.)
General Electric Company. (See Charlton, Ernest E., assignor.)
General Electric Company. (See Chase, Delmar D., assignor.)
General Electric Company. (See Clark, F. M., and Harding, assignors.)
General Electric Company. (See Coldwell, Frank T., assignor.)
General Electric Company. (See Collingham, Robert H., assignor.)
General Electric Company. (See Connell, Amos C., assignor.)
General Electric Company. (See Crago, Harry R., assignor.)
General Electric Company. (See Crandall, Eugene L., assignor.)
General Electric Company. (See Crémer, Michel, assignor.)
General Electric Company. (See Crocker, Clarence T., assignor.)
General Electric Company. (See Cummings, Byron R., assignor.)
General Electric Company. (See Dantsizen, Christian, assignor.)
General Electric Company. (See Davey, Wheeler P., assignor.)
General Electric Company. (See Davis, Neville R., assignor.)
General Electric Company. (See Dawson, Edward S., jr., assignor.)
General Electric Company. (See Dempster, John A., assignor.)
General Electric Company. (See De Reamer, Frank C., assignor.)
General Electric Company. (See de Tar, Donald R., assignor.)
General Electric Company. (See del Valle, Guillermo A., assignor.)
General Electric Company. (See Devers, Philip K., assignor.)
General Electric Company. (See Dietze, Richard, assignor.)
General Electric Company. (See Dimmick, Glenn L., assignor.)
General Electric Company. (See Dome, Robert B., assignor.)
General Electric Company. (See Donovan, J. F., and Malloy, assignors.)
General Electric Company. (See Doran, John H., assignor.)
General Electric Company. (See Dunham, Roy O., assignor.)
General Electric Company. (See Earl, Robert, jr., assignor.)
General Electric Company. (See Eastman, Austin V., assignor.)
General Electric Company. (See Eaton, John, assignor.)
General Electric Company. (See Eby, Eugene D., assignor.)
General Electric Company. (See Ehlers, Walther, assignor.)
General Electric Company. (See Emerson, Roger F., assignor.)
General Electric Company. (See Engel, Walther, assignor.)
General Electric Company. (See Engstrom, Henry O., assignor.)
General Electric Company. (See Ennis, Ford B., assignor.)
General Electric Company. (See Ewest, H., and Reger, assignors.)
General Electric Company. (See Fagan, John T., assignor.)
General Electric Company. (See Farley, Theodore S., assignor.)
General Electric Company. (See Faus, Harold T., assignor.)
General Electric Company. (See Fiene, Marcus E., assignor.)
General Electric Company. (See Finney, Alfred C., assignor.)
General Electric Company. (See Fischer, Ernst. assignor.)
General Electric Company. (See Fisher, Frederick E., assignor.)
General Electric Company. (See Fitz Gerald, Alan S., assignor.)
General Electric Company. (See Fitzgerald, Alan S., assignor.)
General Electric Company. (See Fitz Patrick, James J., assignor.)
General Electric Company. (See Flaherty, Harold J., assignor.)
General Electric Company. (See Flaws, John, jr., assignor.)
General Electric Company. (See Foulke, Ted E., assignor.)
General Electric Company. (See French, Henry G., assignor.)
General Electric Company. (See Frick, Charles W., assignor.)
General Electric Company. (See Fuller, Roger A., assignor.)
General Electric Company. (See Gay, Frazer W., assignor.)
General Electric Company. (See Gillette, R. T., and Webster, assignors.)
General Electric Company. (See Gittings, W. N., and Seeley, assignors.)
General Electric Company. (See Given, Ralph D., assignor.)
General Electric Company. (See Glidden, Everett, G., assignor.)
General Electric Company. (See Goetz, Ernest F., assignor.)
General Electric Company. (See Goldschmidt, Robert.)
General Electric Company. (See Goldschmidt, R., and Sprung, assignors.)
General Electric Company. (See Gooskens, H., and Leydens, assignors.)
General Electric Company. (See Gooskens, H., and van der Poel, assignors.)
General Electric Company. (See Gordon, Newell T., assignor.)
General Electric Company. (See Gordon, Theodore W., assignor.)
General Electric Company. (See Gosling, Joseph W., assignor.)
General Electric Company. (See Grassot, Emile, assignor.)
General Electric Company. (See Green, Adoniram J., assignor.)
General Electric Company. (See Green, Charles M., assignor.)
General Electric Company. (See Greene, James J., assignor.)
General Electric Company. (See Greene, Oliver W., assignor.)
General Electric Company. (See Gregg, William K., assignor.)
General Electric Company. (See Griffiths, L., and Morton, assignors.)
General Electric Company. (See Guedon, Emile C., assignor.)
General Electric Company. (See Hall, Chester I., assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., jr., assignor.)
General Electric Company. (See Hara, Ei, assignor.)
General Electric Company. (See Hardesty, Llewellyn C., assignor.)
General Electric Company. (See Hardman, William H., assignor.)
General Electric Company. (See Hardy, Arthur C., assignor.)

General Electric Company. (See Hardy, A. C., and Cunningham, assignors.)
General Electric Company. (See Harrington, Elliott D., assignor.)
General Electric Company. (See Harris, Hiram E., assignor.)
General Electric Company. (See Hathaway, Claude M., assignor.)
General Electric Company. (See Haughton, Frank A., assignor.)
General Electric Company. (See Haugwitz, Otto, assignor.)
General Electric Company. (See Hazeltine, Louis A., assignor.)
General Electric Company. (See Hehlgans, Friedrich W., assignor.)
General Electric Company. (See Heinbuch, George W., assignor.)
General Electric Company. (See Heisler, Charles L., assignor.)
General Electric Company. (See Helm, M., and Giers, assignors.)
General Electric Company. (See Hensgen, Walter A., assignor.)
General Electric Company. (See Herden, Wilhelm, assignor.)
General Electric Company. (See Hewett, John R., assignor.)
General Electric Company. (See Heymann, Hugo, assignor.)
General Electric Company. (See Hildebrand, Lee E., assignor.)
General Electric Company. (See Hill, Charles H., assignor.)
General Electric Company. (See Hilliard, John D., assignor.)
General Electric Company. (See Hinds, Henry P., assignor.)
General Electric Company. (See Hitchcock, William J., assignor.)
General Electric Company. (See Hollnagel, Herbert P., assignor.)
General Electric Company. (See Horstkotte, Edward H., assignor.)
General Electric Company. (See Hough, Eugene L., assignor.)
General Electric Company. (See Hoxie, Charles A., assignor.)
General Electric Company. (See Hoyt, Samuel L., assignor.)
General Electric Company. (See Huber, Herman J. H., assignor.)
General Electric Company. (See Hull, Albert W., assignor.)
General Electric Company. (See Hull, Clarence S., assignor.)
General Electric Company. (See Hull, Edwin H., assignor.)
General Electric Company. (See Hull, John I., assignor.)
General Electric Company. (See Hunter, M. C. I., and Fletcher, assignor.)
General Electric Company. (See Hutt, Joseph, assignor.)
General Electric Company. (See Hutt, Leonard P., assignor.)
General Electric Company. (See Huyette, Kenneth H., assignor.)
General Electric Company. (See Iliovici, Avram D., assignor.)
General Electric Company. (See Inman, G. E., and Zabel, assignors.)
General Electric Company. (See Ipsen, Carl L., assignor.)
General Electric Company. (See Ipsen, C. L., and McFarland, assignors.)
General Electric Company. (See Ishimaru, Eikichi, assignor.)
General Electric Company. (See Jones, Benjamin W., assignor.)
General Electric Company. (See Jones, B. W., and Fleming, assignors.)
General Electric Company. (See Jones, Howard A., assignor.)
General Electric Company. (See Jump, George H., assignor.)
General Electric Company. (See Junken, L. H., and Blake, assignors.)
General Electric Company. (See Just, Alexander, assignor.)
General Electric Company. (See Kacser, Felix, assignor.)
General Electric Company. (See Kamada, Rinpei, assignor.)
General Electric Company. (See Karapetoff, Vladimir, assignor.)
General Electric Company. (See Kayser, August, assignor.)
General Electric Company. (See Kearsley, William K., assignor.)
General Electric Company. (See Kell, Ray D., assignor.)
General Electric Company. (See Kelley, Floyd C., assignor.)
General Electric Company. (See Kellogg, Edward W., assignor.)
General Electric Company. (See Kendall, James M., assignor.)
General Electric Company. (See Kennedy, Luke F., assignor.)
General Electric Company. (See Kienle, R. H., and Scheiber, assignors.)
General Electric Company. (See Kieser, Walter, assignor.)
General Electric Company. (See Kimball, Arthur L., assignor.)
General Electric Company. (See King, Frederic D., assignor.)
General Electric Company. (See Kingdon, Kenneth H., assignor.)
General Electric Company. (See Kinman, Thomas H., assignor.)
General Electric Company. (See Kinnard, Isaac F., assignor.)
General Electric Company. (See Kjolseth, Ole K., assignor.)
General Electric Company. (See Kline, Halsey W., assignor.)
General Electric Company. (See Knight, James L., assignor.)
General Electric Company. (See Konn, Felix, assignor.)
General Electric Company. (See Koref, F., and Moers, assignors.)
General Electric Company. (See Krämer, Christian, assignor.)
General Electric Company. (See Kronmiller, Charles W., assignor.)
General Electric Company. (See Labus, John W., assignor.)
General Electric Company. (See Lane, F. J., and Parry, assignors.)
General Electric Company. (See Langmuir, Irving, assignor.)
General Electric Company. (See Larzelere, C. B., and Huber, assignors.)
General Electric Company. (See Latta, Isaac R., assignor.)
General Electric Company. (See Leblanc, Maurice A. E., assignor.)
General Electric Company. (See Ledig, Willy, assignor.)
General Electric Company. (See Ledig, W., and Loeb, assignors.)
General Electric Company. (See Lee, Charles F., assignor.)
General Electric Company. (See Le François, Edmond C., assignor.)
General Electric Company. (See Lennox, Thomas C., assignor.)
General Electric Company. (See Leonard, Vincent W., assignor.)
General Electric Company. (See Lewis, John O., assignor.)
General Electric Company. (See Liddiard, Hugh W. C., assignor.)
General Electric Company. (See Lloyd, Will L., jr., assignor.)
General Electric Company. (See Love, Joseph E., assignor.)
General Electric Company. (See Lühr, Wilhelm, assignor.)
General Electric Company. (See MacMillan, Campbell, assignor.)
General Electric Company. (See Mallett, Charles S., assignor.)
General Electric Company. (See Mansur, Clarence W., assignor.)
General Electric Company. (See Marvin, H. B., and Leibing, assignors.)
General Electric Company. (See Maser, Harold T., assignor.
General Electric Company. (See Mathews, Paul, jr., assignor.)
General Electric Company. (See Matson, Richard M., assignor.)
General Electric Company. (See Mayr, Otto, assignor.)
General Electric Company. (See McCrea, Hugh A., assignor.)
General Electric Company. (See McDonald, Gordon R., assignor.)
General Electric Company. (See McEachron, Karl B., assignor.)
General Electric Company. (See McFarland, James L., assignor.)
General Electric Company. (See McIlvin, Leon D., assignor.)
General Electric Company. (See McLamore, John T., assignor.)
General Electric Company. (See McNairy, Jacob W., assignor.)
General Electric Company. (See McNairy, J. W., and Trittle, assignors.)
General Electric Company. (See McSheen, Edward W., assignor.)
General Electric Company. (See Merrill, Frank W., assignor.)
General Electric Company. (See Merrill, George S., assignor.)
General Electric Company. (See Miller, Harry E., assignor.)
General Electric Company. (See Miner, Roy B., assignor.)
General Electric Company. (See Mischler, William N., assignor.)
General Electric Company. (See Mittag, Albert H., assignor.)

General Electric Company. (See Moody, Walter S., assignor.)
General Electric Company. (See Moore, Daniel M., assignor.)
General Electric Company. (See Morrill, Wayne J., assignor.)
General Electric Company. (See Morrill, Weston, assignor.)
General Electric Company. (See Morse, Harold F., assignor.)
General Electric Company. (See Moss, Sanford A., assignor.)
General Electric Company. (See Mulder, Cornelis A. H., assignor.)
General Electric Company. (See Mullaney, Dudley A., assignor.)
General Electric Company. (See Müller, Gustav W., assignor.)
General Electric Company. (See Münter, Hans, assignor.)
General Electric Company. (See Murphy, Edwin J., assignor.)
General Electric Company. (See Narath, Albert, assignor.)
General Electric Company. (See Nerad, Anthony J., assignor.)
General Electric Company. (See Newman, Delbert F., assignor.)
General Electric Company. (See Nichols, John S., assignor.)
General Electric Company. (See Nickle, Clifford A., assignor.)
General Electric Company. (See Nordlander, Birger W., assignor.)
General Electric Company. See Obermaier, Carl F., assignor.)
General Electric Company. (See O'Connell, Edward J., assignor.)
General Electric Company. (See O'Neil, James A., assignor.)
General Electric Company. (See Otaka, Yoshiro, assignor.)
General Electric Company. (See Otis, Albert N., assignor.)
General Electric Company. (See Owens, Joseph W., assignor.)
General Electric Company. (See Page, Harry S., assignor.)
General Electric Company. (See Paget, Alan L., assignor.)
General Electric Company. (See Pailin, George, assignor.)
General Electric Company. (See Palueff, Konstantin K., assignor.)
General Electric Company. (See Panoff, Vincent, assignor.)
General Electric Company. (See Park, Robert H., assignor.)
General Electric Company. (See Paul, William E., assignor.)
General Electric Company. (See Paxton, Robert, assignor.)
General Electric Company. (See Peek, Frank W., jr., assignor.)
General Electric Company. (See Petersen, W., and Troger, assignors.)
General Electric Company. (See Phelan, John J., assignor.)
General Electric Company. (See Phelps, Roscoe G., assignor.)
General Electric Company. (See Phillips, Lester L., assignor.)
General Electric Company. See Pinkerton, H. K., and Rhyndress, assignors.)
General Electric Company. (See Pirani, Marcello, assignor.)
General Electric Company. (See Plenge, Edward B., assignor.)
General Electric Company. (See Pohl, Robert, assignor.)
General Electric Company. (See Pollock, Alan A., assignor.)
General Electric Company. (See Poniatoff, Alexander M., assignor.)
General Electric Company. (See Potter, William B., assignor.)
General Electric Company. (See Powers, James H., assignor.)
General Electric Company. (See Price, David R., assignor.)
General Electric Company. (See Prince, David C., assignor.)
General Electric Company. (See Pritchard, Franklin H., assignor.)
General Electric Company. (See Probst, Heinrich, assignor.)
General Electric Company. (See Proctor, John A., assignor.)
General Electric Company. (See Puffer, S. R., and Moss, assignors.)
General Electric Company. (See Purington, Ellison S., assignor.)
General Electric Company. (See Rankin, William K., assignor.)
General Electric Company. (See Raube, William C., assignor.)
General Electric Company. (See Read, John C., assignor.)
General Electric Company. (See Regenstreif, Jacob, assignor.)
General Electric Company. (See Reimann, Erich, assignor.)
General Electric Company. (See Reist, Henry G., assignor.)
General Electric Company. (See Reufel, H. M. H., De Jong, and Wentink, assignors.)
General Electric Company. (See Rex, Harold B., assignor.)
General Electric Company. (See Riggs, Leland W., assignor.)
General Electric Company. (See Ring, Andrew D., assignor.)
General Electric Company. (See Robinson, Lewis T., assignor.)
General Electric Company. (See Rockwood, A. C., and Ferris, assignors.)
General Electric Company. (See Rogers, I. E., and Scott, assignors.)
General Electric Company. (See Rohner, Arnold J., assignor.)
General Electric Company. (See Rosenlocher, Otto, assignor.)
General Electric Company. (See Ross, Aubrey A., assignor.)
General Electric Company. (See Ruder, William E., assignor.)
General Electric Company. (See Runner, Claude C., assignor.)
General Electric Company. (See Rupp, Emil, assignor.)
General Electric Company. (See Rupprecht, Konrad, assignor.)
General Electric Company. (See Ryan, Walter D., assignor.)
General Electric Company. (See Sabbah, Camil A., assignor.)
General Electric Company. (See St. Clair, Byron W., assignor.)
General Electric Company. (See Sams, J. A., and Shaw, assignors.)
General Electric Company. (See Schermerhorn, Harmon L., assignor.)
General Electric Company. (See Schiebeler, Carl, assignor.)
General Electric Company. (See Schmidt, Friedrich, assignor.)
General Electric Company. (See Schurig, Otto R., assignor.)
General Electric Company. (See Schwarzhaupt, Paul J., assignor.)
General Electric Company. (See Schwennker, Charles F., assignor.)
General Electric Company. (See Searsley, William K., assignor.)
General Electric Company. (See Seeley, Harold T., assignor.)
General Electric Company. (See Sees, Joseph F., assignor.)
General Electric Company. (See Serduke, James T., assignor.)
General Electric Company. (See Serrell, Robert, assignor.)
General Electric Company. (See Shanklin, George B., assignor.)
General Electric Company. (See Shaw, Percy G., assignor.)
General Electric Company. (See Shindledecker, Roy C., assignor.)
General Electric Company. (See Simonds, Dewey T., assignor.)
General Electric Company. (See Sindeband, M. L., Tidd, and Milnor, assignors.)
General Electric Company. (See Skeats, Wilfred F., assignor.)
General Electric Company. (See Smith, Hugh L., assignor.)
General Electric Company. (See Smyser, Frederic H., assignor.)
General Electric Company. (See Soepnel, A. P. J., and Stigter, assignors.)
General Electric Company. (See Soren, Townsend H., assignor.)
General Electric Company. (See Staehle, Henry C., assignor.)
General Electric Company. (See Stafford, John K., assignor.)
General Electric Company. (See Standerwick, Reginald G., assignor.)
General Electric Company. (See Stansel, Numan R., assignor.)
General Electric Company. (See Starie, George B., assignor.)
General Electric Company. (See Stearns, Ray, assignor.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Electric Company. (See Steiner, Oscar, assignor.)
General Electric Company. (See Stephenson, Hugh M., assignor.)
General Electric Company. (See Stewart, Clyde E., assignor.)
General Electric Company. (See Stocker, Arthur C., assignor.)
General Electric Company. (See Story, William E., jr.)
General Electric Company. (See Strauus, Benno, assignor.)
General Electric Company. (See Taniguchi, Michiwo, assignor.)

General Electric Company. (See Taylor, George F., assignor.)
General Electric Company. (See Taylor, Laurens A., assignor.)
General Electric Company. (See Teichmann, Bruno, assignor.)
General Electric Company. (See Thearle, Ernest L., assignor.)
General Electric Company. (See Thieme, Paul, assignor.)
General Electric Company. (See Thomas, Ralph B., assignor.)
General Electric Company. (See Thompson, Browder J., assignor.)
General Electric Company. (See Thompson, Louis W., assignor.)
General Electric Company. (See Thompson, L. W., and Horstkotte, assignors.)
General Electric Company. (See Thumin, Carl, assignor.)
General Electric Company. (See Tiedeman, John A., assignor.)
General Electric Company. (See Title, Hulbert C., assignor.)
General Electric Company. (See Tolson, William A., assignor.)
General Electric Company. (See Touly, Marcel L., assignor.)
General Electric Company. (See Townsend, George R., assignor.)
General Electric Company. (See Traver, Oliver C., assignor.)
General Electric Company. (See Treanor, Edward D., assignor.)
General Electric Company. (See Trombetta, Panfilo, assignor.)
General Electric Company. (See Troy, Matthew O., assignor.)
General Electric Company. (See Tsuyuki, Keiji, assignor.)
General Electric Company. (See Twells, Robert, assignor.)
General Electric Company. (See Ulmer, Alfred L., assignor.)
General Electric Company. (See Umansky, Leonid A., assignor.)
General Electric Company. (See Unger, Magnus, assignor.)
General Electric Company. (See Upp, J. W., and Rankin, assignors.)
General Electric Company. (See Valentine, Irving R., assignor.)
General Electric Company. (See Van Amburg, O. H., and Lieberum, assignors.)
General Electric Company. (See Van Horn, Irving H., and Pipkin, assignors.)
General Electric Company. (See Van Nordstrand, Robert D., assignor.)
General Electric Company. (See Vickery, Harry W., assignor.)
General Electric Company. (See Viele, Sylvester M., assignor.)
General Electric Company. (See Vienneau, Jacob J., assignor.)
General Electric Company. (See Wagner. P., and Sandelowsky, assignors.)
General Electric Company. (See Walle, Ludwig S., assignor.)
General Electric Company. (See Ward, Montague W., assignor.)
General Electric Company. (See Warner, Donald F., assignor.)
General Electric Company. (See Warner, John C., assignor.)
General Electric Company. (See Weaver, Caius E., assignor.)
General Electric Company. (See Weed, James M., assignor.)
General Electric Company. (See Weidehoff, Georg, assignor.)
General Electric Company. (See Weiske, P., and Ruprecht, assignors.)
General Electric Company. (See Wellman, Bertram, assignor.)
General Electric Company. (See Wemple, John G., assignor.)
General Electric Company. (See Whalin, John J., assignor.)
General Electric Company. (See Whelan, Dow O., assignor.)
General Electric Company. (See Whitaker, Frank P., assignor.)
General Electric Company. (See Whiting, M. A., and Harrington, assignors.)
General Electric Company. (See Whitney, Willis R., assignor.)
General Electric Company. (See Widerōe, R., and Mayr, assignors.)
General Electric Company. (See Wiegand, Kurt, assignor.)
General Electric Company. (See Wildeboer, Marinus, assignor.)
General Electric Company. (See Wilson, Charles E., assignor.)
General Electric Company. (See Winne, Harry A., assignor.)
General Electric Company. (See Winne, Henry A., assignor.)
General Electric Company. (See Winter, Fred H., assignor.)
General Electric Company. (See Wood, Alexander P., assignor.)
General Electric Company. (See Wood, Charles W., assignor.)
General Electric Company. (See Woodcock, Virgil E., assignor.)
General Electric Company. (See Woodworth, John L., assignor.)
General Electric Company. (See Wright, Daniel K., assignor.)
General Electric Company. (See Wright, James G. E., assignor.)
General Electric Company. (See Wyman, Le Roy L., assignor.)
General Electric Company. (See Young, A. P., and Griffiths, assignors.)
General Electric Company. (See Young, A. P., and Hutt, assignors.)
General Electric Company. (See Young, Charles J., assignor.)
General Electric Company. (See Yuyama, Juji, assignor.)
General Electric Company. (See Zeiss, B., and Moll, assignors.)
General Electric Vapor Lamp Company. (See Brown, Thomas H., assignor.)
General Electric Vapor Lamp Company. (See Buttolph, Leroy J., assignor.)
General Electric Vapor Lamp Company. (See Foulke, Ted E., assignor.)
General Electric Vapor Lamp Company. (See Mailey, Roy D., assignor.)
General Electric Vapor Lamp Company. (See Mailey, R. D., and Winninghoff, assignors.)
General Electric Vapor Lamp Co. (See Millar, George A., assignor.)
General Electric Vapor Lamp Company. (See Moehler, Otto J., assignor.)
General Electric Vapor Lamp Company. (See Walker, Warren R., assignor.)
General Electric Vapor Lamp Company. (See Winninghoff, Wilford J., assignor.)
General Electric X-Ray Corporation. (See Wantz, Edward N., assignor.)
General Electric X-Ray Corporation. (See Wantz, Julius B., assignor.)
General Electric X-Ray Corporation. (See Wantz, J. B., and Grobe, assignors.)
General Engineering Company. (See Booth, Lionel E., assignor.)
General Engineering Trust. (See Hamblen, Jennings B.)
General Fibre Box Co. (See Schoo, Clarance J., assignor.)
General Fire Extinguisher Company. (See Haupt, Karl W., assignor.)
General Fire Extinguisher Company. (See Knight, Ira W., assignor.)
General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)
General Fire Extinguisher Company. (See Reals, Willis O., assignor.)
General Fireproofing Company, The. (See Brainard, George C., assignor.)
General Fireproofing Company, The. (See Brainard, G. C., and Fitch, assignors.)
General Fireproofing Company, The. (See Brainard, G. C., and Gourley, assignors.)
General Fireproofing Company, The. (See Caldwell, J. R., Dalberg, and Fitch, assignors.)
General Fireproofing Company, The. (See Ekedahl, Erik A., assignor.)
General Fireproofing Company, The. (See Fitch, Jason A., assignor.)
General Fireproofing Company. (See Purnell, Edward A., assignor.)
General Foods Corporation. (See Bender, W. A., Douglas, and Cuthbert, assignors.)
General Frigheatone Co. Inc. (See Sherman, William S., assignor.)
General Gas Light Company. (See Humphrey, Hubert R. and G. A., assignors.)
General Goods Corporation. (See Loesch, Hugo G., assignor.)
General Heat Engineering Company. (See Samels, John P., assignor.)
General Ice Scoring Machine Company. (See Cowan, Richard S., assignor.)
General Ice Scoring Machine Company. (See Komp, George, sr., assignor.)
General Ice Scoring Machine Company. (See Lee, Aubrey M., assignor.)
General Ice Scoring Machine Company, The. (See Roark, Robert H., assignor.)
General Industries Company. (See Bonsieur, L., assignor.)
General Industries Company, The. (See Connell, Edwin L., assignor.)
General Industries Company, The. (See Van Der Woude, Fritz, assignor.)
General Instrument Company. (See Corey, Lorin A., assignor.)
General Insulating and Manufacturing Company. (See Mottweiler, O. F., and Drill, assignors.)

General Iron Works Company, The. (See Buck, Everett S., assignor.)
General Kontrolar Company. (See Bossard, Gisber L., assignor.)
General Laboratories, Inc. (See Fox, A. O., and Keenan, assignors.)
General Machinery Corporation. (See Byerlein, Arthur A., assignor.)
General Machinery Corporation. (See Sutton, G. C., and Witschge, assignors.)
General Machinery Corporation. (See Theile, George I., assignor.)
General Manifold and Printing Company, The. (See Lewis, Edward Z., assignor.)
General Mills, Inc. (See Anderson, Helmer, assignor.)
General Motors Corporation. (See Anderson, Bernard H., assignor.)
General Motors Corporation. (See Anibal, Benjamin H., assignor.)
General Motors Corporation. (See Armitage, Sylvester, assignor.)
General Motors Corporation. (See Atwood, James C., assignor.)
General Motors Corporation. (See Beringer, Roscoe, assignor.)
General Motors Corporation. (See Blackmore, Lloyd, assignor.)
General Motors Corporation. (See Boca, Joseph, assignor.)
General Motors Corporation. (See Bower, Ferdinand A., assignor.)
General Motors Corporation. (See Brittain, Richard J., jr., assignor.)
General Motors Corporation. (See Brooke, Arthur O., assignor.)
General Motors Corporation. (See Brown, Sumner E., assignor.)
General Motors Corporation. (See Casson, Wesley C., assignor.)
General Motors Corporation. (See Cataline, B., and Richard, assignors.)
General Motors Corporation. (See Chapman, W. H., and Hutchinson, assignors.)
General Motors Corporation. (See Constantine, William W., assignor.)
General Motors Corporation. (See Cram, Leroy V., assignor.)
General Motors Corporation. (See Cramer, Raymond H., assignor.)
General Motors Corporation. (See Crawford, Charles S., assignor.)
General Motors Corporation. (See Crawford, James M., assignor.)
General Motors Corporation. (See Cronwall, Carl G., assignor.)
General Motors Corporation. (See Cummings, B. L., and Harris, assignors.)
General Motors Corporation. (See Davis, William N., assignor.)
General Motors Corporation. (See Denyes, Harry M., assignor.)
General Motors Corporation. (See Dikstra, James, assignor.)
General Motors Corporation. (See Dirkes, Vincent M., assignor.)
General Motors Corporation. (See Doane, Harry C., assignor.)
General Motors Corporation. (See Drew, Harold, assignor.)
General Motors Corporation. (See Earl, Harley J., assignor.)
General Motors Corporation. (See Earl, H. J., and Wilson, assignors.)
General Motors Corporation. (See Edwards, R. P., and Seaholm, assignors.)
General Motors Corporation. (See Ellis, Lockwood B., assignor.)
General Motors Corporation. (See Ellis, L. B., and Holden, assignors.)
General Motors Corporation. (See Fassler, Peter W., assignor.)
General Motors Corporation. (See Frehse, Albert W., assignor.)
General Motors Corporation. (See Frehse, A. W., and Belden, assignors.)
General Motors Corporation. (See Geistert, Albert G., assignor.)
General Motors Corporation. (See Gibbons, Harold R., assignor.)
General Motors Corporation. (See Gibson, George F., assignor.)
General Motors Corporation. (See Golden, Harry S., assignor.)
General Motors Corporation. (See Goodspeed, Elvin S., assignor.)
General Motors Corporation. (See Green, John T., assignor.)
General Motors Corporation. (See Harris, Mark B., assignor.)
General Motors Corporation. (See Hebner, Arthur, assignor.)
General Motors Corporation. (See Helwig, Oliver K., assignor.)
General Motors Corporation. (See Hicks, H. H., and Figgie, assignors.)
General Motors Corporation. (See Homer, Albert R., assignor.)
General Motors Corporation. (See Humer, Frank, assignor.)
General Motors Corporation. (See Hutchinson, Philip H., assignor.)
General Motors Corporation. (See Ihrig, Henry, assignor.)
General Motors Corporation. (See Jansson, Axel J., assignor.)
General Motors Corporation. (See Jansson, A. J., and Smith, assignors.)
General Motors Corporation. (See Jerome, Benjamin, assignor.)
General Motors Corporation. (See Johnson, Carl A., assignor.)
General Motors Corporation. (See Kelley, Oliver K., assignor.)
General Motors Corporation. (See Kennington, William O., assignor.)
General Motors Corporation. (See Klausmeyer, David M., assignor.)
General Motors Corporation. (See Knoth, Conrad, assignor.)
General Motors Corporation. (See Kull, W. A., and Denyes, assignors.)
General Motors Corporation. (See Lee, William S., assignor.)
General Motors Corporation. (See Le Jeune, Frank H., assignor.)
General Motors Corporation. (See Linabury, John E., assignor.)
General Motors Corporation. (See Logue, Charles H., assignor.)
General Motors Corporation. (See Maker, D. L., and Myers, assignors.)
General Motors Corporation. (See Manning, William H., assignor.)
General Motors Corporation. (See McConkey, Montgomery W., assignor.)
General Motors Corporation. (See McCuen, Charles L., assignor.)
General Motors Corporation. (See Midgley, T., jr., Thomas, and Hochwalt, assignors.)
General Motors Corporation. (See Milner, Wilfred R., assignor.)
General Motors Corporation. (See Morrison, Joe W., assignor.)
General Motors Corporation. (See Nacker, Owen M., assignor.)
General Motors Corporation. (See O'Brien, Frank, assignor.)
General Motors Corporation. (See Potter, F. J., and Bailey, assignors.)
General Motors Corporation. (See Rothrock, George L., assignor.)
General Motors Corporation. (See Sanders, R. C., and Summers, assignors.)
General Motors Corporation. (See Sanders, Wilbur E., assignor.)
General Motors Corporation. (See Schjolin, Eric O., assignor.)
General Motors Corporation. (See Schwager, Henry A., assignor.)
General Motors Corporation. (See Schwarze, Herman, assignor.)
General Motors Corporation. (See Seaholm, Ernest W., assignor.)
General Motors Corporation. (See Smith, William R., assignor.)
General Motors Corporation. (See Sterling, Claude H., assignor.)
General Motors Corporation. (See Stolte, Richard C., assignor.)
General Motors Corporation. (See Strickland, William R., assignor.)
General Motors Corporation. (See Swan, Harry B., assignor.)
General Motors Corporation. (See Swinscoe, J., Johnson, and Watson, assignors.)
General Motors Corporation. (See Taylor, Paul B., assignor.)
General Motors Corporation. (See Tenney, Perry L., assignor.)
General Motors Corporation. (See Tenney, P. L., and Fidler, assignors.)
General Motors Corporation. (See Thompson, Earl A., assignor.)
General Motors Corporation. (See Wagner, Robert R., assignor.)
General Motors Corporation. (See Walker, N., and Lake, assignors.)
General Motors Corporation. (See Waller, Einar, assignor.)
General Motors Corporation. (See Walters, V. E., and Grant, assignors.)
General Motors Corporation. (See Williams, Hubert L., assignor.)
General Motors Corporation. (See Williams, J. F., and Cramer, assignors.)
General Motors Corporation. (See Williams, J. F., and Hutchinson.)

General Motors Corporation. (See Wilson, John F., assignor.)
General Motors Corporation. (See Worbois, Homer L., assignor.)
General Motors Radio Corporation. (See Marvel, Orin E., assignor.)
General Motors Radio Corporation. (See Newill, Edward B., assignor.)
General Motors Radio Corporation. (See Pike, George J., assignor.)
General Motors Research Corporation. (See Almen, John O., assignor.)
General Motors Research Corporation. (See Asire, Horace W., assignor.)
General Motors Research Corporation. (See Barton, Henry L., assignor.)
General Motors Research Corporation. (See Berry, George P., assignor.)
General Motors Research Corporation. (See Chase, Theron P., assignor.)
General Motors Research Corporation. (See Falge, Robert N., assignor.)
General Motors Research Corporation. (See Godley, Charles E., assignor.)
General Motors Research Corporation. (See Hallett, George E. A., assignor.)
General Motors Research Corporation. (See Handwerker, Louis W., assignor.)
General Motors Research Corporation. (See Hughes, Victor, assignor.)
General Motors Research Corporation. (See Hunt, John H., assignor.)
General Motors Research Corporation. (See Hutchinson, Roland V., assignor.)
General Motors Research Corporation. (See Iseler, Charles W., assignor.)
General Motors Research Corporation. (See Kettering, Charles F., assignor.)
General Motors Research Corporation. (See King, J. G., and Hull, assignors.)
General Motors Research Corporation. (See Lee, C. L., and Sterling, assignors.)
General Motors Research Corporation. (See Lee, C. L., and Van Degrift, assignors.)
General Motors Research Corporation. (See Lee, Roger K., assignor.)
General Motors Research Corporation. (See Lee, W. S., and Chase, assignors.)
General Motors Research Corporation. (See Little, J. H., and Hunt, assignors.)
General Motors Research Corporation. (See Lovell, W. G., and Boyd, assignors.)
General Motors Research Corporation. (See Menges, Albert C., assignor.)
General Motors Research Corporation. (See Mougey, Harry C., assignor.)
General Motors Research Corporation. (See Perrine, Lester E., assignor.)
General Motors Research Corporation. (See Short, Charles R., assignor.)
General Motors Research Corporation. (See Shutts, Leroy W., assignor.)
General Motors Research Corporation. (See Summers, Caleb E., assignor.)
General Motors Research Corporation. (See Summers, C. E., and Lee, assignors.)
General Motors Research Corporation. (See Summers, C. E., and Van Degrift, assignors.)
General Motors Research Corporation. (See Upton, G. B., and Hutchinson, assignors.)
General Motors Research Corporation. (See Van Degrift, Thomas C., assignor.)
General Necessities Corporation. (See Hayes, Harry C., assignor.)
General Norit Company. (See Lourens, Cornelis, assignor.)
General Oil Gas Corporation. (See Thwing, Orrell O., assignor.)
General Optical Co. (See Clement, Hans, assignor.)
General Outdoor Advertising Co. Inc. (See Norden, Mortimer, assignor.)
General Paint Corporation. (See Chambers, Alfred A., assignor.)
General Paint Corporation. (See Jansen, Emile, assignor.)
General Petroleum Corporation of California. (See Dickey, S. J., and Roth, assignors.)
General Railway Signal Company. (See Abendroth, Karl W., assignor.)
General Railway Signal Company. (See Benedict, Frank, assignor.)
General Railway Signal Company. (See Brixner, Frederick W., assignor.)
General Railway Signal Company. (See Brown, Ned C. L., assignor.)
General Railway Signal Company. (See Bushnell, Charles S., assignor.)
General Railway Signal Company. (See Carter, Ainslie T., assignor.)
General Railway Signal Company. (See Dicke, Oscar H., assignor.)
General Railway Signal Company. (See Dicke, O. H., and Preston, assignors.)
General Railway Signal Company. (See Dodge, L. E., and Preston, assignors.)
General Railway Signal Company. (See Dodgson, Frank L., assignor.)
General Railway Signal Company. (See Donovan, Norman L., assignor.)
General Railway Signal Company. (See Duffy, G. E., and Casper, assignors.)
General Railway Signal Company. (See Elsworth, Robert B., assignor.)
General Railway Signal Company. (See Estwick, Charles F., assignor.)
General Railway Signal Company. (See Field, Oscar S., assignor.)
General Railway Signal Company. (See Hailes, William D., assignor.)
General Railway Signal Company. (See Henry, William S., assignor.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
General Railway Signal Company. (See Johnson, Sidney G., assignor.)
General Railway Signal Company. (See Langdon, Andrew, assignor.)
General Railway Signal Company. (See Leake, Richard C., assignor.)
General Railway Signal Company. (See Lindner, John C., assignor.)
General Railway Signal Company. (See Merkel, Joseph F., assignor.)
General Railway Signal Company. (See Ober, Hermon P., assignor.)
General Railway Signal Company. (See Osborne, John L., assignor.)
General Railway Signal Company. (See Phinney, Robert M., assignor.)
General Railway Signal Company. (See Preston, Neil D., assignor.)
General Railway Signal Company. (See Reichard, Wade H., assignor.)
General Railway Signal Company. (See Rice, Philip X., assignor.)
General Railway Signal Company. (See Ross, Oscar A., assignor.)
General Railway Signal Company. (See Taylor, Herbert B., assignor.)
General Railway Signal Company. (See Wenholz, Walter W., assignor.)
General Railway Signal Company. (See Wight, Sedgwick N., assignor.)
General Railway Signal Company. (See Willing, Joseph E., assignor.)
General Raincoat Co. (See McGinnis, Herbert P., assignor.)
General Refractories Company. (See Himmelright, Raleigh J., assignor.)
General Register Corporation. (See Helsel, Reuben H., assignor.)
General Rubber Company. (See Gibbons, W. A., and Hazell, assignors.)
General Rubber Company. (See Rose, Reed P., assignor.)
General Rubber Company. (See Teague, Merwyn C., assignor.)
General Spring Bumper Corporation. (See Hanley, J. A., and Pinner, assignors.)
General Spring Bumper Corporation. (See Pinner, W. L., and De Witt, assignors.)
General Spring Corporation. (See Wood, Joseph K., assignor.)
General Steel Castings Corporation. (See Driemeyer, George F., assignor.)
General Steel Castings Corporation. (See Fetters, Arthur H., assignor.)
General Steel Castings Corporation. (See Frede, Charles F., assignor.)
General Steel Castings Corporation. (See Frede, C. F., and Hallquist, assignors.)
General Steel Castings Corporation. (See Jones, Grenville E., assignor.)
General Steel Castings Corporation. (See Miller, Henry, assignor.)
General Steel Castings Corporation. (See Nystrom, Karl F., assignor.)
General Steel Castings Corporation. (See Pfiager, Harry M., assignor.)
General Steel Castings Corporation. (See Sheeham, William M., assignor.)
General Steel Castings Corporation. (See Sheehan, W. M., and Pfiager, assignors.)
General Steel Castings Corporation. (See Tawresey, John S., assignor.)
General Steel Castings Corporation. (See Travilla, James C., jr., assignor.)
General Steel Wares Limited. (See Spencer, William J., assignor.)
General Talking Pictures Corporation. (See de Forest, Lee, assignor.)
General Talking Pictures Corporation. (See Ebeling, Charles W., assignor.)
General Talking Pictures Corporation. (See Seaholm, Charles H., assignor.)
General Tire & Rubber Company, The. (See Denmire, Harold A., assignor.)

General Tire & Rubber Company, The. (See Maranville, Harvey F., assignor.)
General Tire & Rubber Company, The. (See Remark, Isidore J., assignor.)
General Water Heater Corporation. (See Kay, Oscar J., assignor.)
General Water Heater Corporation. (See Kipper, Allen F., assignor.)
General Zeolite Company. (See Behrman, Abraham S., assignor.)
General Zeolite Company. (See Hodges, Albert B., assignor.)
Genest, Homer A., Danbury, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y. Apparatus for and method of shrinking, etc., felt articles. 1,821,432; Sept. 1.
Genest, Homer A., Danbury, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y. Apparatus for and method of shrinking felt articles. 1,834,913; Dec. 1.
Genetry, Henry T., Kalispell, Mont. Screw driver. 1,810,704; June 16.
Genett, Louis J., Culver City, Calif. Combined salt and pepper shaker. Des. 83,154; Jan. 27.
Genkin, Vladimir, Marseille, France. Polyphase electrical instrument. 1,806,392; May 19.
Genn, Benjamin H., Pittsfield, Mass. Toothbrush. 1,830,995; Nov. 10.
Genoese, John, San Francisco, Calif. Safety paper. 1,804,978; May 12.
Genser Manufacturing Company. (See Genser, Max, assignor.)
Genser, Max, assignor to Genser Manufacturing Company, Inc., Providence, R. I. Attaching pin tongue mountings to jewelry. 1,815,058; July 21.
Genshaw, Maurice, Mount Morris, and E. Kaake, Flint, Mich. Bottle cleaning brush. 1,837,121; Dec. 15.
Gensmer, Theodore, Portland, Oreg. Automatic Gearless transmission. 1,825,789; Oct. 6.
Gensner, Theodore, Portland, Oreg. Bookrest. 1,810,205; June 16.
Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sensitometer. 1,832,294; Nov. 17.
Genter, Albert L., assignor to The Bartlett Hayward Company, Baltimore, Md. Continuous filter. 1,812,042; June 30.
Genter, Albert L., assignor to Genter Thickener Co., Salt Lake City, Utah. Gas scrubbing device. 1,814,377; July 14.
Genter Thickener Co. (See Genter, Albert L., assignor.)
Gentil, Eugene, Paris, France, assignor to The American Bicheroux Company. Take-off and leering conveyer for sheet-glass-forming machines. 1,797,649; Mar. 24.
Gentile, Marino, assignor of one-half to S. W. Weis, Chicago, Ill. Paper pulp container. 1,804,555; May 12.
Gentile, Marino, assignor of one-half to S. W. Weis and one-fourth to George Pick, Chicago, Ill. Composite covering material. 1,804,556; May 12.
Gentile, Marino, assignor of one-half to S. W. Weis, one-fourth to G. Pick, Chicago, Ill., and one-twentieth to N. Schwartz, Cook County, Ill. Cellulose sheets. 1,832,978; Nov. 24.
Gentiluomo, Alexander, Grantwood, N. J. Fireproof film reel. 1,804,332; May 5.
Gentry, Douglas B., Crozet, Va. Demountable rim. 1,817,813; Aug. 4.
Gentry, Frank, Carlsbad, N. Mex. Grain header. 1,824,264; Sept. 22.
Gentry, Houston C., Sheridan, Ark. Roller dump body for trucks. 1,825,901; Oct. 6.
Gentry, Tandy E., Carthage, Mo., assignor to The Eagle-Picher Lead Company, Cincinnati, Ohio. Nail. 1,801,077; Apr. 14.
Genung, George J. (See Deutsch, L., and Genung.)
Gény, Paul, Nancy, France. Protecting device for alternating current three-phase motors. 1,825,518; Sept. 29.
Geoffroy, Raymond, Arctic, R. I. Wrench. 1,796,688; Mar. 17.
Geometric Tool Co., The. (See Barteit, Ewald A., assignor.)
Geometric Tool Company, The. (See Breitenstein, Albert F., assignor.)
Geophysical Exploration Company. (See Taylor, Henry G., assignor.)
Geophysical Petroleum Corporation. (See Blackburn, McMaster S., assignor.)
Geophysical Research Corporation. (See Kannenstine, Fabian M., assignor.)
Geophysical Research Corporation. (See Rosaire, Esme F., assignor.)
Georg, Otto, Dusseldorf, Germany. Pressure safety device. 1,802,247; Apr. 21.
Georgas, Christos. (See Nenna, Gennaro, assignor.)
Georgas, John N., Gary, Ind. Painting apparatus. 1,829,589; Oct. 27.
George, Adam J., Kennett, Mo. Shirt collar setting device. 1,826,659; Oct. 6.
George, Charles L., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Endless track tread for vehicles. 1,789,814; Jan. 20.
George, Cornelius B., sr., Winchester, Ky. Holy water font. Des. 85,820; Dec. 22.
George, Cornelius B., Winchester, Ky. Holy water font. 1,835,152; Dec. 8.
George, D. G., et al. (See Costello, Paul S., assignor.)
George, Earl B. (See Leland, G. H. and George.)
George, Edgar R., Odenton, Md. Valve closure for containers. 1,836,162; Dec. 15.
George, Enoch, jr., assignor to The McConway & Torley Company, Pittsburgh, Pa. Car-coupler mechanism. 1,797,650; Mar. 24.
George, Francis M., et al. (See Paulson, George W., assignor.)
George, Harry H. (See Truett, V. S., and George.)
George, Harry S., Massapequa, N. Y., assignor to Electro Metallurgical Company. Method of cleaning metals. 1,832,979; Nov. 24.
George, Harry W., Kenmore, N. Y. Nonbreakable hæmacytometer. 1,836,915; Dec. 15.
George, James S., assignor to Scovill Manufacturing Company, Waterbury, Conn. Floor marker. 1,816,839; Aug. 4.
George, James S., and R. S. Sperry, assignors to Scovill Manufacturing Company, Waterbury, Conn. Article supporting rack. 1,821,546; Sept. 1.
George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Apparatus for cooling and annealing metal bars. Re18,152; Aug. 18.
George, Jerome R., Worcester, Mass., assignor to Morgan Construction Company. Guide for rolling mills. 1,799,508; Apr. 7.
George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Furnace-charging mechanism. 1,799,509; Apr. 7.
George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Art of rolling metal. 1,810,167; June 16.
George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Power transmission mechanism. 1,832,111; Nov. 17.
George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Rolling mill. 1,832,113; Nov. 17.
George, Jerome R., and J. A. Buell, assignors to Morgan Construction Company, Worcester, Mass. Handling of hot metal stock preparatory to its reduction by rolling. 1,808,033; June 2.
George, Jerome R., and F. P. Dahlstrom, assignors to Morgan Construction Company, Worcester, Mass. Coiling hot metal stock. 1,822,589; Sept. 8.
George, John, Chicago, Ill. Container. 1,802,173; Apr. 21.
George, John E., assignor to The Alligator Company, St. Louis, Mo. Ornamenting surfaces. 1,832,199; Nov. 17.
George, John I., Hayes, and E. Chiffey, South Harrow, England, assignors by mesne assignments, to Radio Corporation of America, New York, N. Y. Talking machine. 1,821,632; Sept. 1.
George, Joseph, Wilkes-Barre, Pa. Changeable sign. 1,809,332; June 9.
George, Marie C. (See Fellman, R. L., and George.)
George, Ralph D., assignor to A. A. Kramer, Kansas City, Mo. Valve operating mechanism for tanks. 1,823,935; Sept. 22.
George, Robert B. (See Cole, H. L., and George.)
George, Robert B., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Winding and constructing the same. 1,813,994; July 14.
George, Robert B., and H. B. West, Sharon, Pa., assignors to Westinghouse Electric and Manufacturing Company. Current limiting reactor. 1,811,466; June 23.
George, Stephen A., assignor of one-half to D. May, Johnstown, Pa. Trolley frog. 1,803,061; Apr. 28.
George, William B., Chicago, Ill., assignor to J. A. Meade, East Chicago, Ind. Cleaning castings and the like. 1,797,981; Mar. 24.
Georgevitch, Nicolas, assignor to J. A. Dahme, Paris, France. Centrifugal hammer. 1,812,692; June 30.
Georgias, Basile J., Boston, Mass. Pressure controlling device for pneumatic tires. 1,832,114; Nov. 17.
Georgiev, Alexander, Brooklyn, N. Y., assignor to Aerovox Wireless Corporation. Electrolytic cell. 1,789,949; Jan. 20.
Georgiev, Alexander, Brooklyn, N. Y., assignor to Aerovox Wireless Corporation. Electrolyte. 1,815,768; July 21.
Gephart, Harry F., Chicago, Ill. Advertising fishing-rod-display stand. Des. 83,322; Feb. 17.
Geraldine, Leontine, San Francisco, Calif. Pompon. 1,831,169; Nov. 10.
Gerante, Sebastian. (See Cordio, Antonio, assignor.)
Gerard, August, Reading, and M. Weisman, Brighton, assignors to Cotton-Wood Products, Inc., Reading, Mass. Fiber product. 1,837,261; Dec. 22.
Gerard, Edgar C., Los Angeles, Calif. Semiindirect lighting fixture. 1,801,858; Apr. 21.
Gerber, Albert H., and J. P. Marchal, St. Paul, Minn. Direction signal for motor vehicles. 1,819,087; Aug. 18.
Gerber, Christian, Bern, Switzerland. Device for cutting pack thread. 1,838,542; Dec. 29.
Gerber, David, assignor to J. Shapiro, Baltimore, Md. Ice-cream cone. 1,787,899; Jan. 6.
Gerber, Herman, Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for weft-replenishing looms. 1,793,170; Feb. 17.

Gerber, Ralph, E. J. Doncaster, and W. E. Ewart, assignors to American Manufacturing Company, Raymond, Wash. Reverse clutch. 1,831,789; Nov. 10.
Gercich, Frederick A. (See Hammer, G., Gercich, and Smith.)
Gercich, Frederick A., assignor to Hammer-Bray Company, Oakland, Calif. Gas stove. 1,806,055; May 19.
Gercich, Frederick A., assignor to Hammer-Bray Company, Oakland, Calif. Gas stove. 1,817,362; Aug. 4.
Gercich, Frederick A., Oakland, and W. M. Berry, Los Angeles, assignors to Hammer-Bray Company, Oakland, Calif. Kindling burner installation. Re18,235; Oct. 27.
Gercich, Frederick A., Oakland, and W. M. Berry, Los Angeles, assignors to Hammer-Bray Company, Oakland, Calif. Gas-cock-control device. 1,792,488; Feb. 17.
Gercich, Frederick A., and J. C. Weisman, assignors to Hammer-Bray Company, Oakland, Calif. Kindling burner installation. 1,826,067; Oct. 6.
Gercich, Frederick A., Oakland, and W. M. Berry, Los Angeles, assignors to Hammer-Bray Company, Oakland, Calif. Gas burner. 1,836,370; Dec. 15.
Gerdes, Heinrich, Berlin-Schoneberg, assignor to J. Pintsch Aktiengesellschaft, Berlin, Germany. Gas meter. 1,812,333; June 30.
Gerdien, Hans. (See Krell, O., and Gerdien.)
Gerdien, Hans Berlin-Grunewald, and R. Reichmann, Berlin, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Spark plug. 1,799,225; Apr. 7.
Gerdin, Gus. (See Runkle, William T., assignor.)
Gerdts, Gustav F., Bremen, Germany. Steam trap. 1,811,045; June 23.
Gere, Ward N., Liverpool, assignor, by mesne assignments, to Eclipse Textile Devices, Incorporated, Elmira Heights, N. Y. Device for perforating the cores of yarn cones. 1,796,448; Mar. 17.
Gere, Ward N., Liverpool, assignor, by mesne assignments, to Eclipse Textile Devices Incorporated, Elmira Heights, N. Y. Machine for drying random colored yarn on the cone. 1,836,531; Dec. 15.
Gergacsevics, Otto, and O. Lohaus, assignors to Aktiengesellschaft Mix & Genest, Telephon- und Telegraphen-Werke, Berlin-Schoneberg, Germany. Conveying system. 1,797,651; Mar. 24.
Gerhard, Jakob. (See Kuhlemeier, H., and Gerhard.)
Gerhardt, John, St. Paul, assignor to Rite-Hete Manufacturing Corporation, Minneapolis, Minn. Heater attachment. 1,794,891; Mar. 3.
Gerhardt, John M., Charleston, Ill. Barrel rack. 1,803,797; May 5.
Gerhart, Thomas R., Lawrence, Kans. Combined xylophone and carrying apparatus. 1,810,519; June 16.
Gerhold, Charles M., assignor. (See McCandless, Albert A.)
Gerichtsnotar Stellrecht, administrator. (See Eisenlohr, F., and Uebelen.)
Gérin, Jacques, Paris, France. Airplane having a variable lifting surface. 1,787,517; Jan. 6.
Gerken, Bert B., Stockton, Calif. Toy gun. 1,821,381; Sept. 1.
Gerken, Charles J., South Jacksonville, assignor of one-fourth to J. C. Phillips, Jacksonville, Fla. Toy. 1,822,283; Sept. 8.
Gerlach, Fred, et al, trustees. (See Gallagher, Arthur D., assignor.)
Gerlach, Leo G. (See Ruchie, Henry J., assignor.)
Gerli, Paul, New York, N. Y. Hydroairplane station. 1,791,305; Feb. 3.
Gerling, Fred A., Boise, Idaho. Fluid pressure engine. 1,811,579; June 23.
Gerling, Fred A., Boise, Idaho. Piston lubricator. 1,830,103; Nov. 3.
Gerling, Fred A., Boise, Idaho. Guide mechanism for reciprocatory elements. 1,831,490; Nov. 10.
Germain, Albert, Haverhill, Mass. Folder for sewing machines. 1,832,980; Nov. 24.
Germain, Ernest, Montreal, Quebec, Canada. Automobile antiglare lighting system. 1,818,126; Aug. 11.
Germain, Herman. (See White, James H., assignor.)
Germain, Jeffrey W., Montreal, Quebec, Canada. Article of jewelry. 1,792,534; Feb. 17.
German, Abraham J., and W. J. Foley, assignors to Scovill Manufacturing Company, Waterbury, Conn. Wrenchlike tool. 1,793,477; Feb. 24.
German, Edgar R., Rochester, N. Y., assignor to Taylor Shantz Company. Forming endless rims for reels, wheels, frames, etc. 1,819,678; Aug. 18.
German, Edgar R., Rochester, N. Y., assignor to Taylor Shantz Company. Construction and manufacturing reels. 1,819,707; Aug. 18.
German, John P., Elmwood, Conn. Antiskid chain. 1,834,487; Dec. 1.
Germann, Wilhelm, Dortmund, assignor to the Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Double slip point. 1,791,867; Feb. 10.
Germann, Wilhelm, Dortmund, assignor to the Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Double-slip point for rails. 1,794,287; Feb. 24.
Germann, Wilhelm, Dortmund, assignor to the Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Double slip point with tongues disposed outside the diamond. 1,804,095; May 5.
Germek, Andrew, Edwardsville, Pa. Dump car doorlock. 1,812,780; June 30.
Germer, August H., Hamburg, Germany. Type carrier for stamping presses. 1,804,255; May 5.
Germershausen, Joseph H., Plainfield, N. J. Bathtub grip. 1,827,575; Oct. 13.
Germond, Henry S., Bayonne, N. J. Elevating truck. 1,809,551; June 9.
Gernandt Motor Corporation. (See Gernandt, Waldo G., assignor.)
Gernandt Motor Corporation. (See Leonard, Howard M., assignor.)
Gernandt, Waldo G., South Bend, Ind., assignor to Gernandt Motor Corporation, Chicago, Ill. Feeding fuel to high compression internal combustion engines. 1,803,326; May 5.
Gernandt, Waldo G., South Bend, Ind., assignor to Gernandt Motor Corporation, Chicago, Ill. Feeding fuel to internal combustion engines of the high compression type. 1,835,487; Dec. 8.
Gerngross, Otto, Berlin-Grunewald, and K. Rülke, Berlin-Charlottenburg, assignors to Kali-Chemie Aktiengesellschaft, Berlin, Germany. Disinfectant. 1,823,095; Sept. 15.
Gernsback, Hugo, New York, N. Y. Code learner's instrument. 1,801,734; Apr. 21.
Gero, Victor, Glenside, assignor to Pennsylvania Carpet Corporation, Philadelphia, Pa. Tufted yarn fabric and weaving same. 1,797,058; Mar. 17.
Gero, William B., and E. S. Davenport, Bloomfield, N. J., assignor to Westinghouse Lamp Company. Tungsten and manufacturing the same. 1,826,514; Oct. 6.
Geromanos, Hercules W., Boston, Mass. Spectra demonstrator. 1,829,001; Oct. 27.
Gerosa, Anthony, New York, N. Y. Retainer for shingles. 1,813,798; July 7.
Gerow, John A., and A. C. Cannon, El Segundo, Calif. Flagpole holder. 1,815,353; July 21.
Gerrard, Alec J. (See Wright, Parvin, assignor.)
Gerrard Company, The. (See King, Thomas J., jr., assignor.)
Gerrard Company, The. (See King, T. J., jr., and Spoor, assignors.)
Gerrard Company, The. (See McChesney, John S., assignor.)
Gerrard Company, The. (See Vaughn, John L., assignor.)
Gerry, Clare W., Fort William, Ontario, Canada. Bolt anchor. 1,792,974; Feb. 17.
Gerry, Edith S., Warwick, R. I. Headlight for automobiles. 1,806,897; May 26.
Gerry, Emil C. (See Marion, A. M., and Gerry.)
Gerry, Manley E., Oakland, Me. Attachment for chimneys. 1,789,174; Jan. 13.
Gersbacher, Frank, Christopher, Ill. Tub-supporting attachment for washing machines. 1,787,819; Jan. 6.
Gershon, Victor P. (See Lloyd, E. A., and Gershon.)
Gersman, Harvey M., Chicago, Ill. Production of expanded-steel load-bearing members. 1,796,146; Mar. 10.
Gersman, Harvey M., Buffalo, N. Y. Method of expanding metal. 1,802,811; Apr. 28.
Gersman, Harvey M., Buffalo, N. Y. Widening rolled metal products. 1,814,593; July 14.
Gersman, Harvey M., Buffalo, N. Y. Apparatus for widening rolled metal products. 1,814,594; July 14.
Gersman, Harvey M., Chicago, Ill. Apparatus for the manufacture of expanded steel load bearing members. 1,827,314; Oct. 13.
Gerson-Stewart Corporation Company. (See Golrick, Albert R., assignor.)
Gerstenberger, Bruno. (See Bauersfeld, W., and Gersten berger.)
Gerstenslager, William H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Cord belt building apparatus. 1,813,876; July 7.
Gerstmayr, Johann. (See Sass, F., Radloff, and Gerstmayr.)
Gérth, August, Deuel County, S. Dak. Snow runner. 1,810,042; June 16.
Gerth, August, Deuel County, S. Dak. Traction attachment for vehicle wheels. 1,810,043; June 16.
Gerth, August, Hidewood Township, Deuel County, S. Dak. Lug for wheel chains. 1,810,075; June 16.
Gerth, Felix, Berlin-Tempelhof, Germany. High frequency modulating system. 1,835,388; Dec. 8.
Gerth, Felix, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. High frequency transformer or the like. 1,815,707; July 21.
Gerth, Felix, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electric wave generator. 1,835,387; Dec. 8.
Gerth, Felix, Berlin-Tempelhof, and F. Gutzmann, Berlin-Charlottenburg, Germany. Wireless signaling system. 1,800,996; Apr. 14.
Gerth, Lewis W. (See Dailey, J. A., and Gerth.)
Gerth, William H., New York, N. Y., assignor to Oneida Community Limited, Oneida, N. Y. Dish or similar article. Des. 85,426; Oct. 27.
Gertler, Hyman, Montreal, Quebec, Canada. Infant's crib. 1,816,965; Aug. 4.
Gervais, Louis, Burns, Oreg. Combined transfer car and lumber-weighing apparatus. 1,800,789; Apr. 14.
Gese, Carl R., Jersey City Heights, N. J. Railway-rail joint. 1,797,500; Mar. 24.
Gesellschaft für Drahtlose Telegraphie m. b. H. (See Beckmann, August, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. (See Böhm, O., and Moser, assignors.)

Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Jobst, Gunther, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kummerer, Wilhelm, assignor.)
Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Leib, August, assignor.)
Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Meissner, Alexander, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. (See Moser, Wilhelm, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. (See Muth, Hans, assignor.)
Gesellschaft für Drahtlose Telegraphie M. b. H. (See Osnos, Mendel, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. (See Osnos, Mendel, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schapira, Carl, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schroeter, Fritz, assignor.)
Gesellschaft für Drahtlose Telegraphie M. B. H. (See Schröter, Fritz, assignor.)
Gesellschaft für Drahtlose Telegraphie M. b. H. (See Tod, Erich, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. (See Von Arco, Georg, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Arco, Georg, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Arco, G., and Meissner, assignors.)
Gesellschaft fur Drahtlose Telegraphie m. b. H. Hallesches. (See Fischer, Fritz, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Karolus, A., and Schröter, assignors.)
Gesellschaft fur Drahtlose Telegraphie m. b. H. Hallesches. (See Mayer, Rudolf, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Meissner, Alexander, assignor.)
Gesellschaft fur Drahtlose Telegraphie m. b. H. Hallesches. (See Meissner, A., and von Bronk, assignors.)
Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Michelssen, Fritz, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches Ufer. (See Schröder, Heinrich, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches ufer 12/13. (See Tatz, Paul, assignor.)
Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Von Bronk, O., and Rukop, assignors.)
Gesellschaft fuer Elektrische Apparate m. b. H. (See Gaedke, Otto, assignor.)
Gesellschaft fur Forderaulagen Ernst Heckel mit beschrankter Haftung. (See Schurig, Arthur, assignor.)
Gesellschaft fur Linde's Eismaschinen A. G. (See Linde, Richard, assignor.)
Gesellschaft fur Linde's Eismachinen A. G. (See Schuftan, Paul, assignor.)
Gesellschaft für Mess-und Full-Apparate m. b. H. (See Mohr, Arnold, assignor.)
Gesellschaft fuer Patentverwaltung A. G. (See Podlejši, Ottomar, assignor.)
Gesellschaft fur Wirtschaftlichen Bahnoberbau m. b. H., the firm. (See Hellermann, August, assignor.)
Geske, Carl, Grand Rapids, assignor to Winters & Crampton Manufacturing Company, Grandville, Mich. Refrigerator latch. 1,816,184; July 28.
Geske, Carl, Grand Rapids, assignor to Winters & Crampton Manufacturing Company, Grandville, Mich. Refrigerator latch. 1,831,299; Nov. 10.
Gessner, David, Worcester, Mass. Fulling and washing machine. 1,806,342; May 19.
Gessner, David, Worcester, Mass. Machine for use in finishing woolen or worsted fabrics. 1,832,377; Nov. 17.
Gessner, David, Worcester, Mass. Fulling machine. 1,832,378; Nov. 17.
Gessner, Ernst, Worcester, Mass. Variable-speed-transmitting mechanism. 1,797,953; Mar. 24.
Gessner, Ernst, Worcester, Mass. Power-transmitting and speed-changing mechanism. 1,797,982; Mar. 24.
Gessner, Ernst, Worcester, Mass. Speed changing transmission mechanism. 1,808,539; June 2.
Gessner, Ernest, Worcester, Mass. Section liner. 1,832,112; Nov. 17.
Gestetner, D., Limited. (See Creed, George E., assignor.)
Gestetner, D., Limited. (See de Waele, Armand, assignor.)
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,796,449; Mar. 17.
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Automatic safety switch. 1,815,561; July 21.
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,816,429; July 28.
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Double throw reversing switch. 1,831,239; Nov. 10.
Getgey, John J., Cincinnati, Ohio. Unitary synchronized talking machine and picture exhibitor. 1,836,709; Dec. 15.
Gettriebebau G. m. b. H. (See Füssel, Herbert, assignor.)
Getts, Ralph R., Fort Wayne, Ind. Key retainer. 1,800,064; Apr. 7.
Getty, Fred I., Jennings, La. Rotary pump. 1,795,552; Mar. 10.
Getty, Fred I., Jennings, La. Offset-cutting tool. 1,795,553; Mar. 10.
Getty, Fred I., Jennings, La. Sealable foot valve. 1,810,420; June 16.
Getty, Fred I., Jennings, La. Well packer. 1,827,842; Oct. 20.
Getty, Harry S. (See Sheard, J. H., and Getty.)
Getz, Alfred C., Sidney, Ohio. Speed control mechanism. 1,819,889; Aug. 18.
Getz, Alfred C., and F. D. Dickas, Sidney, Ohio. Clutch mechanism for lathe carriages. 1,832,011; Nov. 17.
Getz, Benjamin E., Morton, Ill. Washing machine. 1,806,289; May 19.
Getz, Benjamin E., Morton, Ill. Washing machine. 1,829,988; Nov. 3.
Getz, Benjamin E., assignor of one-half to Getz Power Washer Co., Morton, Ill., and one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Washing machine. Re18,028; Apr. 7.
Getz Power Washer Co., et al. (See Getz, Benjamin E., assignor.)
Getzen, John E., Birmingham, Ala., assignor to F. C. Fantz, Webster Grove, Mo. Return bend. 1,831,709; Nov. 10
Getzen, John E., and C. H. Denicke, Birmingham, Ala., and M. B. Crowe, Tulsa, Okla., assignors to Stockham Pipe & Fittings Co. Inc., Birmingham, Ala. Return bend. 1,831,708; Nov. 10.
Geuder, Paeschke & Frey Company. (See Kunkel, Frederick H., assignor.)
Geurink, Bernard A., and L. H. Geurink, East Cleveland, Ohio. Gas burner. 1,830,393; Nov. 3.
Geurink, Louis H. (See Geurink, Bernard A. and L. H.)
Geurink, Louis H., East Cleveland, Ohio, assignor to Eriez Stove & Manufacturing Company, Erie, Pa. Stove. 1,801,770; Apr. 21.
Gewalt, William C., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 1,813,286; July 7.
Gewerkschaft Wallram Abteilung Metallwerke. (See Voigtlander, H., and Kaufels, assignors.)
Geyer, Bertram B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,798,252; Mar. 31.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Windshieldwiper blade. 1,796,926; Mar. 17.
Geyer, Harvey D., assignor to Inland Manufacturing Company, Dayton, Ohio. Steering wheel and shaft assembly. 1,801,551; Apr. 21.
Geyer, Harvey D., assignor to Inland Manufacturing Company, Dayton, Ohio. Steering wheel with swivel spoke. 1,806,343; May 19.
Geyer, Harvey D., assignor to Inland Manufacturing Company, Dayton, Ohio. Molded steering wheel. 1,807,657; June 2.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Rubber shackle. 1,817,436; Aug. 4.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Resilient mounting bracket. 1,817,482; Aug. 4.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Resilient connecter. 1,820,133; Aug. 25.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Freezing container. 1,820,134; Aug. 25.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Steering wheel and shaft assembly. 1,820,220; Aug. 25.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Locking handwheels. 1,825,390; Sept. 29.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Steering wheel. 1,825,391; Sept. 29.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Molded steering wheel. 1,825,392; Sept. 29.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Steering wheel. 1,825,393; Sept. 29.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Flexible connecter. 1,828,402; Oct. 20.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Steering wheel and horn button mounted therein. 1,828,403; Oct. 20.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Coordinated locking steering wheel and engine ignition switch. 1,831,300; Nov. 10.
Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Steering wheel. 1,839,025; Dec. 29.
Geyer, Harvey D., assignor to The Inland Manufacturing Co., Dayton, Ohio. Variable diameter steering shaft bushing. 1,839,094; Dec. 29.
Geyer, Harvey D., and F. W. Sampson, assignors to The Inland Manufacturing Company, Dayton, Ohio. Freezing tray. 1,820,221; Aug. 25.
Geyer, Harvey D., A. H. Flower, and J. C. Housekeeper, assignors to The Inland Manufacturing Company, Dayton, Ohio. Heat insulating material. 1,828,365;

Geyer, Harvey D., and E. J. Dill, assignors to The Inland Manufacturing Co., Dayton, Ohio. Device for testing hardness of rubber. 1,839,093; Dec. 29.
Geyer, Roy M., and C. M. Sweet, Mussoorie, India. Motion picture apparatus. 1,802,248; Apr. 21.
Geyling, Remigius, and P. Planer, Vienna, Austria. Projection surface particularly for use in connection with advertisements. 1,798,078; Mar. 24.
Ghent, William E., assignor to Boggs Manufacturing Corporation, Atlanta, N. Y. Seed treating machine. 1,837,321; Dec. 22.
Ghia, Eugene, Bristol, Conn. Tread member for tire chains. 1,807,522; May 26.
Ghiselli, Guido, San Francisco, Calif. Tractor attachment. 1,828,929; Oct. 27.
Ghisolfo, August, Calistoga, Calif. Draft coupling for agricultural implements. 1,837,426; Dec. 22.
Ghittino, Alexander, New York, N. Y. Window construction. 1,835,389; Dec. 8.
Gholson, William H. (See Hunter, V. E., Abernathy, and Gholson.)
Giacomini, Hugo B., Wichita, Kans. Hand truck. 1,787,742; Jan. 6.
Gialdini, Bruno T., assignor to The Diebold Safe & Lock Company, Canton, Ohio. Safe. 1,826,768; Oct. 13.
Giandalia, Salvatore, Amite, La. Weed cutter. 1,788,764; Jan. 13.
Gianfranceschi, Lino, West Haven, Conn. Clock-striking mechanism. 1,794,012; Feb. 24.
Gianini, Carlo, Rome, Italy. Combined clock case and radio cabinet. Des. 83,041; Jan. 13.
Gianini, Peter C., Portland, Oreg. Tent stake. 1,805,084; May 12.
Giannopulos, Alexander, San Francisco, Calif. Directional signal for automotive vehicles. 1,793,079; Feb. 17.
Gianolio, Giuseppe, Turin, Italy. Rolling parallel ruler. 1,825,902; Oct. 6.
Giant Grip Mfg. Co. (See Krug, W. H., and Akerberg, assignors.)
Giard, Napoleon, Rougemont, Quebec, Canada. Table. 1,829,590; Oct. 27.
Giard, Napoleon, Rougemont, Quebec, Canada, and H. O. Girard, Nashua, N. H., said Girard assignor to said Giard. Table construction. 1,802,891; Apr. 28.
Giardino, Joachim, West New York, N. J. Let-off mechanism for novelty fabric looms. 1,822,696; Sept. 8.
Gibb, Robert W., East Dedham, Mass. Anchor. 1,836,586; Dec. 15.
Gibb, Walter B., Chester, and F. B. Martin, Moores, assignors to The Viscose Company, Marcus Hook, Pa. Shipping container. 1,808,651; June 2.
Gibbens, Emma R., Godfrey, Ill., assignor to Paas Dye Company, Newark, N. J. Method of and preparation for coloring eggs and the like. 1,829,645; Oct. 27.
Gibbens, Gabriel J., Hutchinson, Kans. Plant setting machine. 1,806,622; May 26.
Gibbons, Arthur J., near Indianapolis, assignor to L. D. Gibbons, Camby, Ind. Snath. 1,807,573; May 26.
Gibbons, Davis M., Kershaw, S. C. Casket handling device. 1,801,914; Apr. 21.
Gibbons, Harold R., Chatham, N. J., assignor to General Motors Corporation, Detroit, Mich. Antifriction bearing. 1,803,966; May 5.
Gibbons, Louisa D. (See Gibbons, Arthur J., assignor.)
Gibbons, Patrick C., Edina, Mo. Control valve attachment for flush tank faucets. 1,824,716; Sept. 22.
Gibbons, Richard, assignor to M. A. Kenney, Brooklyn, N. Y. Airplane landing and launching apparatus. 1,797,767; Mar. 24.
Gibbons, Willis A. (See Hopkinson, E., and Gibbons.)
Gibbons, Willis A., Little Neck, N. Y., assignor to American Rubber Company, East Cambridge, Mass. Compounding process and products. 1,798,253; Mar. 31.
Gibbons, Willis A., Great Neck, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber and products obtained thereby. 1,802,761; Apr. 28.
Gibbons, Willis A., Great Neck, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Modifying vulcanizable material and product. 1,807,031; May 26.
Gibbons, Willis A., Great Neck, N. Y., assignor to Morgan & Wright, Detroit, Mich. Treating unvulcanized rubber surfaces. 1,817,363; Aug. 4.
Gibbons, Willis A., Great Neck, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber latex and product. 1,834,148; Dec. 1.
Gibbons, Willis A., Montclair, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Water dispersion of polymerized styrol and product made therefrom. 1,836,021; Dec. 15.
Gibbons, Willis A., Great Neck, and E. Hazell, assignors to General Rubber Company, New York, N. Y. Apparatus for forming rubber articles. 1,832,012; Nov. 17.
Gibbons, Winifred L., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 85,743; Dec. 15.
Gibbons, Winifred L., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 85,744; Dec. 15.
Gibbons, Winifred L., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 85,745; Dec. 15.
Gibbs, Benedict T., jr., assignor to Morden Frog & Crossing Works, Chicago, Ill. Rail support. 1,789,624; Jan. 20.
Gibbs, Benedict T., jr., Chicago Heights, assignor to Morden Frog & Crossing Works, Chicago, Ill. Adjustable rail brace. 1,836,371; Dec. 15.
Gibbs, Frederick D. (See Guild, W. J., Quimby, and Gibbs.)
Gibbs, Frederick H., Brooklyn, N. Y. Shock absorber. 1,833,939; Dec. 1.
Gibbs, Frederick H., Brooklyn, N. Y. Shock absorber. 1,833,940; Dec. 1.
Gibbs, Harold B., Bronxville, assignor to Rusling Wood, Inc., New York, N. Y. Collapsible tire stand. 1,812,781; June 30.
Gibbs, Harry E., and O. J. Vogelgesang, assignors to The Gibbs Manufacturing Company, Canton, Ohio. Game board. Des. 83,195; Feb. 3.
Gibbs, Lloyd T. (See Riney, A. H., and Gibbs.)
Gibbs Manufacturing Company, The. (See Gibbs, H. E., and Vogelgesang, assignors.)
Gibbs, Walter A., Hollyoak, Del. Clear vision device. 1,837,122; Dec. 15.
Gibson, Albert E., Springfield, Pa., assignor to The Dentists' Supply Company, New York. Pin for artificial teeth. 1,821,301; Sept. 1.
Gibson, Alexander, Oakland, Calif. Barber's lathering device. 1,813,047; July 7.
Gibson, Alexander J. (See Huttger, Edward P., assignor.)
Gibson Art Company, The. (See Gibson, William H., assignor.)
Gibson, Arthur H., Holden, Alberta, Canada. Oil switch. 1,790,642; Feb. 3.
Gibson, Francis W., West Roxbury, Mass. Display rack. Des. 83,798; Mar. 31.
Gibson, Frank C. (See Fox, F. L., and Gibson.)
Gibson, Frank P., San Francisco, Calif. Fan and spray wheel attachment for hose nozzles. 1,826,208; Oct. 6.
Gibson, Fred, Morton, Minn. Drag cart. 1,800,621; Apr. 14.
Gibson, George F., Luton, England., assignor to General Motors Corporation, Detroit, Mich. Carburetor. 1,826,128; Oct. 6.
Gibson, George H., Upper Montclair, N. J. Combustion regulation. 1,806,970; May 26.
Gibson, George H., Upper Montclair, N. J. Combustion regulation. 1,820,939; Sept. 1.
Gibson, George H., Upper Montclair, N. J. Combustion control. 1,820,940; Sept. 1.
Gibson, George H., Montclair, N. J., assignor to Cochrane Corporation, Philadelphia, Pa. Water deaeration. 1,790,911; Feb. 3.
Gibson, James F., Madison, and W. H. Strathearn, assignors to The Oxolen Company, Milwaukee, Wis. Gas generator. 1,837,427; Dec. 22.
Gibson, John G., Ventnor, N. J. Grate structure. 1,803,327; May 5.
Gibson, Joseph D., Logan, W. Va. Vaporizing device for treating asthma. 1,806,453; May 19.
Gibson, Mary K., Baltimore, Md. Eyeshield. 1,807,475; May 26.
Gibson, Ross N., Lansing, Mich. Piston spreader. 1,819,366; Aug. 18.
Gibson, Samuel H., Lakewood, assignor to The Fanner Manufacturing Company, Cleveland, Ohio. Agitator. 1,827,004; Oct. 13.
Gibson, Vincent, Camden, N. J. Fastener for fountain pens and the like. 1,835,862; Dec. 8.
Gibson, William A., assignor to Bradley Pulverizer Company, Allentown, Pa. Adjustable screen diaphragm for tube mills, etc. 1,825,347; Sept. 29.
Gibson, William H., assignor to The Gibson Art Company, Cincinnati, Ohio. Automatic sheet associating mechanism and control. 1,826,463; Oct. 6.
Giddings, George, et al. (See Paulson, George W., assignor.)
Giddo, George, Kingston, Pa. Dimmer for headlights. 1,800,935; Apr. 14.
Giebe, Erich, and A. Scheibe, Charlottenburg near Berlin, Germany, assignor to Radio Corporation of America. Resonator. 1,809,624; June 9.
Giebeler, Wilhelm, Konigstein-on-the-Elbe, Germany. Paper machine. 1,822,023; Sept. 8.
Gielow, Edwin H. (See Levitt, J. H., Stringer, and Gielow.)
Gienger, Albert C., Cascade Summit, Oreg. Airplane. 1,794,844; Mar. 3.
Giermann, Wilhelm A., Onawa, Iowa. Corn harvester. 1,810,600; June 16.
Giers, Siegfried. (See Helm, Max, and Giers.)
Gies, John W., assignor to Otis Elevator Company, New York, N. Y. Moving stairway. 1,788,364; Jan. 6.
Giese, Ernst, Stettin, Germany. Rotor flying machine having a plurality of rotors. 1,798,153; Mar. 31.
Giese, Paul, Leipzig, Germany. Dimming device for searchlights. 1,806,850; May 26.
Giesecke, Hermann. (See Giesecke, J. and H.)
Giesecke, Julius, and H. Giesecke, Leipzig, Germany. Mirror displaying device. 1,830,510; Nov. 3.
Gieseler, George A., assignor, by direct and mesne assignments, to The Pollen Filter Incorporated, Cleveland, Ohio. Apparatus for removing pollen from air. 1,807,032; May 26.
Giesler, Jean V. (See Fulton, W. M., and Giesler.)
Giesler, Jean V., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Shower head. 1,791,811; Feb. 10.
Giesler, Jean V., assignor, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Radiator controlling mechanism. 1,806,393; May 19.

Giesler, Jean V., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Temperature regulator. 1,806,530; May 19.
Giesler, Jean V., and W. W. Carson, jr., assignors to The Fulton Sylphon Company, Knoxville, Tenn. Fluid mixer. 1,806,394; May 19.
Giet, John, Long Island City, N. Y. Tire spreader. 1,797,860; Mar. 24.
Gietmann, Anton. (See Schuler, H., and Gietmann.)
Giffel, John J., assignor of one-third to L. O. Truttier, Terre Haute, Ind. Trunk bed. 1,797,229; Mar. 24.
Gifford, Albert J., and B. S. T. Bishop, Shrewsbury, Mass., assignors to Leland-Gifford Company. Cooling device for motors. 1,808,845; June 9.
Gifford, Anna F., assignor to Erie Day School, Erie, Pa. Bookcase. Des. 83,726; Mar. 24.
Gifford, Arthur H. (See Cunningham, T. F., and Gifford.)
Gifford, Charles D., assignor, by mesne assignments, to Cannon-Prutzman Treating Processes, Ltd., Los Angeles, Calif. Treatment of crude petroleum to prevent corrosion. 1,812,629; June 30.
Gifford-Wood Company. (See Bennett, Azzel C., assignor.)
Gifford-Wood Company. (See Birmann, Otto, assignor.)
Gifford-Wood Company. (See Godinez, Manuel, assignor.)
Gifford-Wood Company. (See Hallenbeck, Harold E., assignor.)
Gifford-Wood Company. (See Happel, Albert, assignor.)
Gifford-Wood Company. (See Root, Clair M., assignor.)
Gifford-Wood Company. (See Sheldon, Henry C., assignor.)
Gifford-Wood Company. (See Stair, Daniel E., assignor.)
Gifford-Wood Company. (See Uline, Michiel J., assignor.)
Gift, John, South Temple, Pa. Hydraulic friction device for knitting machines. 1,813,351; July 7.
Giger, Walter, Camden, N. J. Clutch operating mechanism. 1,806,158; May 19.
Giglia, Ernesto F., Scarsdale, and L. F. Pelletier, East Bronx, assignors of one-fourth to W. W. Irwin, New York and one-fourth to V. von Schlegell, White Plains, N. Y. Carburetor. 1,828,889; Oct. 27.
Giglio, John, New York, N. Y. Window construction. 1,835,488; Dec. 8.
Giguere, Rosario, Springfield, Mass., assignor of one-half to J. H. Wilson, Hartford, Conn. Bluing device. 1,820,794; Aug. 25.
Gilardi, Adrian J., Seattle, Wash. Lawn mower. 1,823,267; Sept. 15.
Gilb, Frank A., Los Angeles, Calif. Mechanical reversing device. 1,789,867; Jan. 20.
Gilbert, A. C., Company, The. (See Gilbert, Alfred C., assignor.)
Gilbert, A. C., Company, The. (See Hornby, Frank, assignor.)
Gilbert, A. C. Company, The. (See Lanz, John, assignor.)
Gilbert, Albert P., assignor to Gilbert Shoe Co., Thiensville, Wis. Child's sandal. Des. 83,963; Apr. 21.
Gilbert, Alfred C., New Haven, Conn. Constructional toy. 1,815,708; July 21.
Gilbert, Alfred C., North Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn. Construction toy element. Des. 85,427; Oct. 27.
Gilbert, Alfred C., North Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn. Construction toy element. Des. 85,428; Oct. 27.
Gilbert, Alfred C., North Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn. Construction toy element. Des. 85,429; Oct. 27.
Gilbert, Alfred C., Hamden, assignor, by mesne assignments, to A. C. Gilbert Company, New Haven, Conn. Toy building construction. 1,789,868; Jan. 20.
Gilbert, Alfred C., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Construction toy. 1,789,896; Jan. 20.
Gilbert, Alfred C., Hamden, assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Vacuum cleaner. 1,792,975; Feb. 17.
Gilbert, Alfred C., Hamden, assignor, by mesne assignments to The A. C. Gilbert Company, New Haven, Conn. Construction toy. 1,792,976; Feb. 17.
Gilbert, Alfred C., Hamden, assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Orange-juice extractor. 1,797,190; Mar. 17.
Gilbert, Alfred C., Hamden, assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Construction toy. 1,804,926; May 12.
Gilbert, Alfred C., Hamden, assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Container for construction toys and like sets. 1,804,927; May 12.
Gilbert, Alfred C., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Mixing apparatus. 1,811,499; June 23.
Gilbert, Alfred C., Hamden, assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Toy building construction. 1,820,660; Aug. 25.
Gilbert, Alfred C., Hamden, assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Construction toy. 1,820,661; Aug. 25.
Gilbert, Alfred C., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Electrical motor. 1,832,456; Nov. 17.
Gilbert, Alfred C., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Vacuum cleaner. 1,832,457; Nov. 17.
Gilbert, Alfred J., Windsor, Conn. Oil-burning heating apparatus. 1,798,323; Mar. 31.
Gilbert, Alfred J., Windsor, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Pump. 1,804,604; May 12.
Gilbert, Alva B., Elyria, Ohio. Vehicle transmission. 1,814,442; July 14.
Gilbert, Arthur J. (See Black, Walter H., assignor.)
Gilbert & Barker Manufacturing Company. (See Davis, John B., assignor.)
Gilbert & Barker Manufacturing Company. (See Grisé, Alfred L., assignor.)
Gilbert, Charles T., assignor to Saginaw Manufacturing Co., Saginaw, Mich. Folding ironing table. 1,834,488; Dec. 1.
Gilbert, D. C., Thomasville, Ga. Ditch-cleaning and road-grading machine. 1,800,065; Apr. 7.
Gilbert, Elwood W., assignor to L. F. Grammes & Sons, Inc., Allentown, Pa. Label or similar article. Des. 85,821; Dec. 22.
Gilbert, Frank N., Binghamton, N. Y. Pocket pencil and pen holder. 1,827,466; Oct. 13.
Gilbert, Frank N., Binghamton, N. Y. Combination adjustable mop and brush holder. 1,832,541; Nov. 17.
Gilbert, Harry and W. P., Los Angeles, Calif. Air compressor. 1,799,684; Apr. 7.
Gilbert, Harvey N., Niagara Falls, assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company, New York, N. Y. Making electrodes. 1,837,770; Dec. 22.
Gilbert, Henry J., assignor to Saginaw Manufacturing Co., Saginaw, Mich. Folding brace. 1,788,102; Jan. 6.
Gilbert, Howard W., Nazareth, Pa. Automatic window latch. 1,813,287; July 7.
Gilbert, John J., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable signaling system. 1,806,754; May 26.
Gilbert, John J., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,808,540; June 2.
Gilbert, John J., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable armoring. 1,812,630; June 30.
Gilbert, John J., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signaling conductor. 1,832,455; Nov. 17.
Gilbert, John J., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signaling cable. 1,835,771; Dec. 8.
Gilbert, John J., Port Washington, L. I., assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine cable insulation. 1,818,127; Aug. 11.
Gilbert, Levi L., Mesquite, Nev. Obstetrical bed. 1,804,256; May 5.
Gilbert, Otto, Tubingen, Germany. Peg for string musical instruments. 1,832,379; Nov. 17.
Gilbert, Samuel A., Chicago, Ill. Flash light. 1,798,079; Mar. 24.
Gilbert Shoe Co. (See Gilbert, Albert P., assignor.)
Gilbert, Tyson H., Abilene, Tex. Circuit closing device. 1,813,844; July 7.
Gilbert, Victor G. W., London, England, assignor to American La France and Foamite Corporation, New York, N. Y. Fire extinguishing apparatus. 1,802,144; Apr. 21.
Gilbert, Walter P. (See Gilbert, Harry, and W. P.)
Gilbert, Walter V., New York, N. Y. Water craft. 1,823,096; Sept. 15.
Gilbert, William L., Clock Company. (See Hodge, Albert P., assignor.)
Gilbert, William L., Clock Company, The. (See Stevens, Norman L., assignor.)
Gilbert, William N., Hudson Heights, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,788,020; Jan. 6.
Gilbert, William N., Hudson Heights, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Even balance scale. 1,838,019; Dec. 22.
Gilbertson, Dena, Milwaukee, Wis. Quack-grass destroyer. 1,794,607; Mar. 3.
Gilbertson, Helge A., R. J. Curtin, and R. C. Jacobs, Chicago, Ill. Metallic laundry net. 1,814,378; July 14.
Gilbraith, Blanche M. (See Arbuckle, Randolph, assignor.)
Gilbreth, George E., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Foundation for refrigerator car tanks. 1,837,613; Dec. 22.
Gilburg, Roy O. (See Kohl, T. G., and Gilburg.)
Gilburg, Roy O., assignor to Marathon Electric Mfg. Co., Wausau, Wis. Feeding means for punch presses. 1,790,301; Jan. 27.
Gilby Wire Company. (See Driver, W. B., and Keith, assignors.)
Gilchrist, Benjamin W. (See McCullough, J. F. K., and Gilchrist.)
Gilchrist & Company. (See Graham, Walton C., assignor.)
Gilchrist & Company. (See Graham, W. C., Rumsey, and Wetherbee, assignors.)
Gilchrist Company, The. (See Jameson, Thomas, assignor.)
Gilchrist, Frank H., Wilmette, Ill., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method of and apparatus for surfacing roofing. 1,834,917; Dec. 1.

Gilchrist, Thomas O., and D. Murphy, Lorain, Ohio, assignors to Reserve Holding Company, Chicago, Ill. Automatic telephone system. 1,815,198; July 21.
Gilchrist, William A., Chicago, Ill. Furnace. 1,813,156; July 7.
Gilchrist, William A., Chicago, Ill. Steam supply apparatus. 1,819,286; Aug. 18.
Gildehaus, Richard F., jr., Dallas, Tex. Apparatus for distilling oil. 1,788,947; Jan. 13.
Gildehaus, Richard F., jr., Dallas, Tex. Heating oil for distillation. 1,834,696; Dec. 1.
Gildemeister, Alphonse. (See Campagne, Emile, assignor.)
Gildersleeve, Arthur M., and C. L. Dean, assignors to The Universal Rotary Bit Company, Denver, Colo. Drilling device. 1,790,613; Jan. 27.
Gildersleeve, Arthur M., and C. L. Dean, assignors to The Universal Rotary Bit Company, Denver, Colo. Drilling device. 1,812,475; June 30.
Gildner, Harold, Sheboygan, Wis. Safety device for automobiles. 1,815,294; July 21.
Giles, Eugene M., Western Springs, Ill., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Fastening device. 1,837,036; Dec. 15.
Giles, Harvey, Brooklyn, N. Y., assignor to Artemas Ward Inc. Vending machine. 1,814,795; July 14.
Giles, Julian A., Derby, Conn. Vise. 1,834,697; Dec. 1.
Giles, Roy T., Pittsburgh, Pa. Concrete road lengthwise finishing machine. 1,808,719; June 2.
Giles, Stelle A., Hutchinson, Kans. Recovering gold and silver. 1,818,846; Aug. 11.
Giles, Stelle A., Hutchinson, Kans. Apparatus for recovering gold and silver. 1,827,467; Oct. 13.
Giletti, John, New York, N. Y. Machine for turning manure piles. 1,827,358; Oct. 13.
Gilfillen, John S., Kansas City, Mo. Auto trunk. 1,837,428; Dec. 22.
Gilham, Henry C., Fergus, Ontario, Canada. Instrument board clock support. 1,835,294; Dec. 8.
Gilhet, Georges J., Paris, France. Mechanical loom for weaving Wilton and other carpets. 1,799,226; Apr. 7.
Gilkerson, James F., Milwaukee, Wis. Shoe. 1,807,401; May 26.
Gilkey Printing Company, The. (See Brockett, Bluford W., assignor.)
Gilkey, W. S., Printing Company, The. (See Guina, William E., assignor.)
Gill, Augustus H., Belmont, Mass. Method of and composition for conditioning wool or the like. 1,791,057; Feb. 3.
Gill, Donald W., Cincinnati, assignor to The Frank F. Taylor Company, Norwood, Ohio. Child's vehicle. Des. 84,828; Aug. 11.
Gill, Donald W., Cincinnati, assignor to The Frank F. Taylor Company, Incorporated, Norwood, Ohio. Velocipede. 1,837,541; Dec. 22.
Gill, Donald W., M. P. Orr, and F. F. Taylor, assignors to The Frank F. Taylor Company, Norwood, Ohio. Child's vehicle. 1,793,848; Feb. 24.
Gill, Ferdinand A., Chicago, Ill. Propeller. 1,814,595; July 14.
Gill, George W., assignor to W. E. Knopp, Battle Creek, Mich. Valve-in-head double action bell ringer for locomotive engines. 1,817,032; Aug. 4.
Gill Glass & Fixture Company. (See Aglow, Harry, assignor.)
Gill, Harold D., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Adjustable resistance unit. 1,838,037; Dec. 22.
Gill, Harry F., assignor to Wirt Company, Philadelphia, Pa. Resistance unit. 1,796,199; Mar. 10.
Gill, J. Ray, Portland, Mo. Pipe puller for removing or pulling pipes or casings from wells and the like. 1,805,280; May 12.
Gill, Samuel A., assignor of one-half to Z. D. and H. B. Dunlap, Ames, Iowa. Making cornstalk fiber composition. 1,814,751; July 14.
Gill, Stanley. (See McGary, S. U., Rogers, and Gill.)
Gill, Thomas, Jersey, Calif. Asparagus trimming machine. 1,804,928; May 12.
Gill, Thomas J. (See King, James L., Minkler, and Gill.)
Gill, Walter L., Redlands, Calif. Indelibly writing upon paper and other fabrics. 1,824,341; Sept. 22.
Gillam, Wallace R., Tallmadge, assignor to Lambert Tire & Rubber Co., Barberton, Ohio. Rim. 1,835,038; Dec. 8.
Gillar, Henry, Milltown, N. J. Terminal clamp for storage batteries. 1,810,396; June 16.
Gillard, Francis W., West Norwood, London, assignor, by mesne assignments, to Vividad Holdings Limited, London, England. Luminous advertisement. 1,813,491; July 7.
Gillaspy, Charles T., Indianapolis, Ind. File handle. 1,796,249; Mar. 10.
Gillberg, Gustaf S., Chicago, Ill., assignor to Electro-Motive Instrument Co., Detroit, Mich. Therapeutic traction apparatus. 1,837,037; Dec. 15.
Gille, George W., and C. G. Wilson, assignors, by mesne assignments, to The Aro Equipment Corporation, Bryan, Ohio. Grease gun. 1,834,698; Dec. 1.
Gilleland, Grover W., Parsons, Kans. Burial vault. 1,788,235; Jan. 6.
Gilleland, John W., and C. A. McHenry, and H. G. Krueger, Muscatine, Iowa. Incandescent lamp. 1,835,705; Dec. 8.
Gilleland, Stewart, Seattle, Wash. Holder for rubber stamps. 1,793,283; Feb. 17.
Gillen, Daniel A., and F. W. Seymour, Flushing, N. Y. Water shock absorber. 1,790,659; Feb. 3.
Gillen, Daniel A., and F. W. Seymour, Flushing, N. Y. Automatic cushion for piping systems. 1,824,342; Sept. 22.
Gillen, Frank L., Flushing, N. Y. Cushion cap. 1,799,968; Apr. 7.
Gillen, George A., assignor to Gillen, Kinney, Baker Syndicate, New York, N. Y. Speaker. 1,820,561; Aug. 25.
Gillen, Kinney, Baker Syndicate. (See Gillen, George A., assignor.)
Gillenwater, Warren E., Bellingham, Wash. Child's vehicle. 1,823,138; Sept. 15.
Gillespey, Frank M., Bloomington, Ill. Side frame for car trucks. 1,834,944; Dec. 8.
Gillespie, Alexander, Pittsfield, Ill. Gyrating bolting-cloth cleaner. 1,799,416; Apr. 7.
Gillespie Auto Laundry System, Inc. (See Gillespie, Bee K., assignor.)
Gillespie, Bee K., assignor to Gillespie Auto Laundry System, Inc., Chicago, Ill. Apparatus for cleaning and polishing automobiles. 1,827,886; Oct. 20.
Gillespie, Bee K., assignor to Gillespie Auto Laundry System, Inc., Chicago, Ill. Apparatus for treating vehicle tops. 1,827,887; Oct. 20.
Gillespie, Bee K., assignor to Gillespie Auto Laundry System, Inc., Chicago, Ill. Apparatus for treating and handling automobiles. 1,838,823; Dec. 29.
Gillespie, Henry C., Huntington, W. Va., assignor to Ardco Manufacturing Company, Hoboken, N. J. Automatic rail lubricator. 1,833,782; Nov. 24.
Gillespie, James P., New York, N. Y. Concrete transporting apparatus. 1,828,181; Oct. 20.
Gillet, Alexis F., Omaha, Nebr. Calendar. Des. 85,521; Nov. 10.
Gillet, Alexis F., assignor to Jubilee Manufacturing Company, Omaha, Nebr. Securing means for antiskid chains. 1,797,230; Mar. 24.
Gillet, Alexis F., assignor to Jubilee Manufacturing Co., Omaha, Nebr. Automobile chain accessory. 1,822,343; Sept. 8.
Gillett, Lowry, Syosset, assignor to General Chemical Company, New York, N. Y. Process and apparatus for catalytic reactions. 1,809,114; June 9.
Gillett, Lowry, Syosset, assignor to General Chemical Company, New York, N. Y. Process and apparatus for subliming sulphur. 1,832,013; Nov. 17.
Gillett, Lowry, Syosset, assignor to General Chemical Company, New York, N. Y. Regulating the temperature of gases containing SO_3 or H_2SO_4. 1,832,482; Nov. 17.
Gillette, Harleigh, Chicago, Ill. Clock operating mechanism. 1,818,613; Aug. 11.
Gillette, Robert T., Schenectady, and E. S. Webster, Troy, N. Y., assignors to General Electric Company. Welding torch. 1,808,541; June 2.
Gillette Rubber Company. (See Krause, Arnold R., assignor.)
Gillette Safety Razor Company. (See Beaver, Rudolph, assignor.)
Gillette Safety Razor Company. (See Bodkin, Irving S., assignor.)
Gillette Safety Razor Company. (See Coleman, Jacques G., assignor.)
Gillette Safety Razor Company. (See Fairweather, N. H., and Verner, assignors.)
Gillette Safety Razor Company. (See Gaisman, Henry J., assignor.)
Gillette Safety Razor Company. (See Hill, John H., assignor.)
Gillette Safety Razor Company. (See Isdale, John S., assignor.)
Gillette Safety Razor Company. (See Lewando, Felix J., assignor.)
Gillette Safety Razor Company. (See Marcy, Grosvenor D., assignor.)
Gillette Safety Razor Company. (See Parker, Riley H., assignor.)
Gillette Safety Razor Company. (See Parry, William H., assignor.)
Gillette Safety Razor Company. (See Schumacher, Conrad, assignor.)
Gillette Safety Razor Company. (See Smith, Theodore L., assignor.)
Gillette Safety Razor Company. (See Thompson, Ralph E., assignor.)
Gillette Safety Razor Company. (See Thompson, R. E., and Dugdale, assignors.)
Gillette Safety Razor Ges. m. b. H. (See Wiese, Franz, assignor.)
Gillette Sweeper Corporation, Ltd. (See Smith, Earle R., assignor.)
Gillette-Vibber Company. (See Noble, Edward J., assignor.)
Gillette-Vibber Company. (See Potter, James T., assignor.)
Gilley, Arthur C., White, S. Dak. Windmill. 1,812,400; June 30.
Gilley, Lawrence M. (See Hudson, S. J., and Gilley.)
Gilley Wire Company. (See Ballentine, Earle W., assignor.)
Gilliam, Augustan L., Gilliam, Mo. Cutter guard for agricultural implements. 1,789,403; Jan. 20.

Gilliam, James D., London, England, assignor to British-American Tobacco Company, Limited, New York, N. Y. Cigarette and making same. 1,829,559; Oct. 27.
Gillian, Herman, Columbus, Ohio. Faced glove. 1,794,167; Feb. 24.
Gillian, Herman, Columbus, Ohio. Glove. 1,807,402; May 26.
Gillian, Irving T., Detroit, Mich. Vehicle body construction. 1,809,031; June 9.
Gillian, Irving T., Detroit, Mich. Door dovetail. 1,836,464; Dec. 15.
Gillies, Hugh A., Detroit, Mich., assignor to American Brake Materials Corporation, New York, N. Y. Brake shoe. 1,827,081; Oct. 13.
Gillies, William R., assignor to Union Asbestos and Rubber Company, Chicago, Ill. Sheet insulation. 1,807,785, June 2.
Gilligan, George H., assignor to U. S. Ring Traveler Company, Providence, R. I. Self-lubricating traveler. 1,788,051; Jan. 6.
Gilligan, George H., assignor to U. S. Ring Traveler Company, Providence, R. I. Self-lubricating traveler. 1,788,052; Jan. 6.
Gilligan, George H., assignor to U. S. Ring Traveler Company, Providence, R. I. Lubricating spinning and twisting rings. 1,815,502; July 21.
Gilligan, George H., assignor to U. S. Ring Traveler Company, Providence, R. I. Ring traveler. 1,816,479; July 28.
Gilligan, George H., assignor to U. S. Ring Traveler Company, Providence, R. I. Ring traveler. 1,825,113; Sept. 29.
Gilligan, Joseph P. (See Burdett, A. E., and Gilligan.)
Gilliland Company. (See Gilliland, Orra L., assignor.)
Gilliland, Orra L., assignor to Gilliland Company, Minneapolis, Minn. Tread chain for tractors. 1,791,306; Feb. 3.
Gilling, Preston E., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Electrical condenser. 1,827,939; Oct. 20.
Gillingham, Charles A., Lakewood, Ohio, and W. W. Pflug, White Plains, N. Y., assignors to National Carbon Company, Inc. Flash light. 1,834,612; Dec. 1.
Gillings, Charles. (See Paulett, W. H., and Gillings.)
Gillis, George H., Fitchburg, Mass. Shoe. 1,833,606; Nov. 24.
Gillis, William. Fort Worth, Tex. Safety elevated bank and vault protector. 1,826,464; Oct. 6.
Gillispie, Raymond L., Steelton, Pa., assignor to Bethlehem Steel Company. Railway-track structure. 1,788,622; Jan. 13.
Gillman, Joseph L., jr., assignor to The W. E. Lamneck Company, Columbus, Ohio. Furnace register shield. 1,811,467; June 23.
Gillogly, John M., Orange, Calif. Ball shaper for nurserymen. 1,829,002; Oct. 27.
Gillooly, William, assignor to Metal Stampings Corporation, Streator, Ill. Carpet sweeper and the like. 1,800,287; Apr. 14.
Gillum, Curtis M., Winchester, Ind. Telephone directory holder. 1,835,037; Dec. 8.
Gilman, Charles, Plainfield, N. J., assignor to Massey Concrete Products Corporation, Chicago, Ill. Cribbing. 1,824,990; Sept. 29.
Gilman, Clarence W. (See Corwin, H. G., Blair, and Gilman.)
Gilman, George H., Belmont, Mass., assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, New York, N. Y. Drilling machine. 1,806,874; May 26.
Gilman, John A., Seattle, Wash. Reel for plumb bobs. 1,826,465; Oct. 6.
Gilmartin, Gladys E., Los Angeles, Calif. Combination spoon contents leveler and divider. 1,833,212; Nov. 24.
Gilmartin, William A. (See Reilly, John J., and Gilmartin.)
Gilmond, Percival O., Hamden, Conn. Toy store. 1,787,978; Jan. 6.
Gilmont Products Corporation. (See Hopkins, Nevil M., assignor.)
Gilmore, Carl, Oakland, Calif. Beach chair. 1,806,679; May 26.
Gilmore, Charles B. (See Jennings, O. D., and Gilmore.)
Gilmore, Charles B., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Hoodlatch. 1,790,660; Feb. 3.
Gilmore, Frank E., assignor of one-half to C. H. Fancher, jr., Spokane, Wash. Outlet box. 1,818,317; Aug. 11.
Gilmore, Mrs. George D. (See Isaacs, Lida S., assignor.)
Gilmore, John L., Kansas City, Mo. Spare tire carrier. 1,825,268; Sept. 29.
Gilmore-McArdle Co. (See Hinckley, Willard H., assignor.)
Gilmore, Roger J., and L. W. Langford, Boston, Mass.; said Gilmore assignor to said Langford. Record making mechanism. 1,811,387; June 23.
Gilmore, William G., Greenville, S. C. Loom attachment. 1,797,652; Mar. 24.
Gilmore, William L., Mineola, N. Y., assignor to Curtiss Aeroplane and Motor Co., Inc. Joint fitting. 1,792,489; Feb. 17.
Gilowitz, Benjamin, New York, N. Y. Shoe heel. 1,791,200; Feb. 3.
Gilowitz, Benjamin, New York, N. Y. Composite shoe heel. 1,821,633; Sept. 1.
Gilowitz, Benjamin, New York, N. Y. Shoe heel. 1,838,824; Dec. 29.
Gilowitz, Benjamin, New York, assignor of one-eighth to J. Smith, and twenty per cent to E. S. Steinberg, Bronx, New York, N. Y. Composite shoe heel sheet. 1,817,249; Aug. 4.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Device for operating car couplers. 1,798,464; Mar. 31.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Car construction. 1,798,877; Mar. 31.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Cast metal hopper door. 1,805,660; May 19.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Cast metal drop door. 1,805,661; May 19.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Hopper door of cast metal. 1,805,662; May 19.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Drop door of cast metal. 1,805,663; May 19.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Cast hopper door. 1,805,664; May 19.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Drop door for railway cars. 1,813,536; July 7.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Car construction. 1,813,537; July 7.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Coupler positioning device. 1,813,538; July 7.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Car construction. 1,821,151; Sept. 1.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Drop door for railway cars. 1,826,874; Oct. 13.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Cast metal end plate. 1,826,875; Oct. 13.
Gilpin, Garth G., Riverside, assignor to Railway Metal Products Company, Chicago, Ill. Railway stock car side door. 1,832,014; Nov. 17.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Hopper door. 1,832,015; Nov. 17.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Drop door for railway cars. 1,832,016; Nov. 17.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Drop door for railway cars. 1,837,262; Dec. 22.
Gilpin, Victor L., Baltimore, Md. Ignition circuit and other lock. 1,828,562; Oct. 20.
Gilreath, Haller L. (See Gilreath, Roy, and H. L.)
Gilreath, Roy and H. L., Knoxville, Tenn. Dial-lighting attachment for telephones. 1,799,742; Apr. 7.
Gilroy, Myles J., Wilkinsburg, Pa. Patient's transfer carriage. 1,829,274; Oct. 27.
Gilson-Bolens Manufacturing Company. (See Bink, Theodore, assignor.)
Gilson, Dayton H., Rushville, Ind. Multiple trasher. 1,811,232; June 23.
Gilson, John P., assignor to Kwik-Mix Concrete Mixer Co., Port Washington, Wis. Vibrator. 1,794,373; Mar. 3.
Gilson, John W., Oak Park, Ill. Cup holder for thermos lunch kits. 1,801,148; Apr. 14.
Gilson Manufacturing Company. (See Donald, Forrest V., assignor.)
Gilson Manufacturing Co. (See Travers, Charles J., assignor.)
Gilson, Mark R., Maple Shade, N. J. Positioning device for flash lights. 1,796,987; Mar. 17.
Gilson Michael, Fredonia, Wis. Concrete mixer. 1,788,053; Jan. 6.
Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,827,391; Oct. 13.
Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical signaling. 1,827,786; Oct. 20.
Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Motor control apparatus. 1,833,521; Nov. 24.
Gilstrap, Owen G., Portland, Oreg. Dispatching and receiving head and worktable for pneumatic systems. 1,833,213; Nov. 24.
Gilt Edge Silk Mills of New Jersey, Inc. (See Rigby, Albert, assignor.)
Giltsch, John, assignor to Standard Carriage Works, Inc., Los Angeles, Calif. Windshield operating device. 1,838,756; Dec. 29.
Ginder, William H., Haddonfield, N. J., assignor to Electro Manufacturing Company of America, Philadelphia, Pa. Toasting apparatus. 1,832,831; Nov. 17.
Gindhart, Isaac D., jr., Hartford, N. J. Conduiting system. 1,801,149; Apr. 14.
Ginn, Albert W. (See Sisson, Edward B., assignor.)

Ginn and Company. (See Greeley, William H., assignor.)
Ginn and Company. (See Morss, E. L., Buckwell, and Smith, assignors.)
Ginnel, Henry, Scarsdale, N. Y., assignor to Hiler Engineering & Construction Company, Inc. Incinerator grate. 1,807,064; May 26.
Ginsberg, Abraham J., New York, N. Y. Receptacle. 1,807,476; May 26.
Ginsberg, Harry, New York, assignor, by mesne assignments, to National Container Corporation, Long Island City, N. Y. Composite sheet forming machine. 1,810,561; June 16.
Ginsberg, Joseph W., New York, N. Y. Table attachments for chairs, settees, sofas, or the like. 1,835,772; Dec. 8.
Ginsburg, Henry, New York, N. Y. Threaded bushing for armored cable. 1,808,542; June 2.
Ginsburg, Isaac. (See Gronquist, Albin W., assignor.)
Ginsburg, Lionel L., assignor to Saginaw Furniture Shops, Saginaw, Mich. Cabinet. Des. 85,283; Oct. 6.
Gioiosa, Joseph, Milton, Mass. Fireworks. 1,808,811; June 9.
Giorchino, Arturo F. G., New York, N. Y. Unitary sectional tube and valve therefor. 1,832,017; Nov. 17.
Giordano, Joseph, West Nyack, N. Y. Spray nozzle. 1,816,645; July 28.
Gipe, John C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass handling apparatus. 1,801,309; Apr. 21.
Girard, Arthur G., assignor to The Willys-Overland Company, Toledo, Ohio. Automobile decking. 1,790,344; Jan. 27.
Girard, Celestine H., Carroll, Iowa. Attachment for barbers' chairs. 1,793,606; Feb. 24.
Girard, Fred F., Washingtonville, Ohio. Can opener. 1,833,743; Nov. 24.
Girard, Henry A. (See Giard, N., and Girard.)
Girard Model Works, Inc., The. (See Connell, Stanley L., assignor.)
Girard Model Works Inc., The. (See Smith, Anthony N., assignor.)
Girardi, Frank, assignor to self and E. B. Dublin, Chicago, Ill. Change-gear mechanism for automotive vehicles. 1,793,690; Feb. 24.
Gird, John A., Cedar Lake, Litchfield, N. Y. Mixing device. 1,807,736; June 2.
Girdler Corporation, The. (See Bottoms, Robert R., assignor.)
Girin, Antoine, Lyon, assignor to Albert M. J. Petronio, Nice, France. Carburetor. 1,821,909; Sept. 1.
Girling, Albert H. G., Harlow, England. Braking mechanism. 1,809,479; June 9.
Girling, Albert H. G., Harlow, England, assignor to Bendix Brake Company, South Bend, Ind. Expanding brake. 1,804,929; May 12.
Girmes, Johs., Messrs., & Co., Aktiengesellschaft. (See Vorck, T., and Zimmerman, assignors.)
Giron, Julio T., Mexico, Mexico. Treatment of petroleum oil. 1,835,998; Dec. 8.
Girouard, Edouard P. C., Snodland, England. Apparatus for heat treatment of calcareous and like materials. 1,791,165; Feb. 3.
Girrbach, Oskar, Long Island, N. Y. Saw for butcher blocks. 1,800,521; Apr. 14.
Girshowitch, Naum G., New York, N. Y. Annealing furnace. 1,816,253; July 28.
Girtanner, Alexander, Bayside, N. Y., assignor to Automatic Lighter Corporation. Honing apparatus and method. 1,796,096; Mar. 10.
Girtanner, Alexander, assignor to Automatic Lighter Corporation, New York, N. Y. Razor-blade-sharpening device. 1,796,263; Mar. 10.
Girtanner, Alexander, Bayside, N. Y., assignor to Automatic Lighter Corporation, Stamford, Conn. Cigarette-igniting-coil control. 1,800,140; Apr. 7.
Girvin, Charles W., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrator having high resistance wall. 1,838,937; Dec. 29.
Girvin, Charles W., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Method of and apparatus for treating emulsions with alternating current. 1,838,938; Dec. 29.
Gish, Daniel B., Worcester, Mass. Aeroplane. 1,810,762; June 16.
Gish, Oliver H., Somerset, Chevy Chase, Md., assignor to Carnegie Institution of Washington, Washington, D. C. Apparatus for the study of the earth's crust. 1,813,845; July 7.
Gisholt Machine Company. (See Class, George M., assignor.)
Gisholt Machine Company. (See Godfriaux, Louis E., assignor.)
Gisholt Machine Company. (See McDonough, Francis T., assignor.)
Gisholt Machine Company. (See Miller, Ralph J., assignor.)
Gislar, Everett. (See Benien, W., and Gislar.)
Gisolfi, Giuseppe, Brooklyn, N. Y. Anchor for night candle or similar article. Des. 83,100; Jan. 20.
Gisske, Walter P., assignor to Vaughan Novelty Mfg. Co., Chicago, Ill. Can opener. 1,834,055; Dec. 1.
Gits, Jules P., and E. L. Van Wezemael, Chicago, Ill. Flowerpot holder. 1,824,343; Sept. 22.
Gits, Remi J., Chicago, Ill. Reservoir grease cup. 1,802,051; Apr. 21.
Gittinger, August A. (See Burks, William E., assignor.)
Gittings, William N., Upper Darby, and H. T. Seeley, Yeadon, Pa., assignors to General Electric Company. Automatic switching system. 1,808,543; June 2.
Gittler, Joseph W., Philadelphia, Pa. Automatic electric water heater. 1,797,861; Mar. 24.
Gitz, John, jr. (See Opacity, Paul, assignor.)
Gitzendanner, Fred, New York, N. Y. Self adjusting feed roller. 1,827,359; Oct. 13.
Giuffré, Frank P., Chicago, Ill. Hand lever mechanism for operating automobile clutch and brake pedals. 1,833,458; Nov. 24.
Giuliano, Vincent. (See Fabrizi, E. M., and Berti, assignors.)
Giuntini, Frederick. (See Schnell, W., and Giuntini.)
Giusti, Attilio H., Philadelphia, Pa. Ignition indicator. 1,809,750; June 9.
Giustiniani, Salvatore, New York, N. Y. Crosshead. 1,817,684; Aug. 4.
Givago-Grishina, Nadeshda J., Los Angeles, Calif. Doll. Des. 85,284; Oct. 6.
Givaudan, Claudius, Lyon, France. Apparatus for use in hand printing on fabric or paper. 1,800,288; Apr. 14.
Given, Kenneth M., Bronxville, assignor to A. Kimball Company, New York, N. Y. String-knotting apparatus. 1,838,757; Dec. 29.
Given, Ralph D., Leamington Spa, England, assignor to General Electric Company. Control of electric motors. 1,792,296; Feb. 10.
Given, Richard M. (See Miller, B. H., and Given.)
Givens, Howard M., Abington, Pa. Rolling alloy steel. 1,821,382; Sept. 1.
Givone, William, East Paterson, and H. Jahn, Garfield, N. J. Playing card holder. 1,828,735; Oct. 27.
Gjorup, Thomas E., Chicago, Ill. Powder puff. 1,796,450; Mar. 17.
Glacifer Corporation. (See Brown, Tom R., assignor.)
Glade, George H., jr. (See Glade, George H. and G. H., jr.)
Glade, George H., jr., Chicago, Ill. Lamp socket. 1,818,614; Aug. 11.
Glade, George H. and G. H., jr., Chicago, Ill. Sales device. 1,796,287; Mar. 17.
Gladeck, Frederick C., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Lock-joint folding attachment for cigar enveloping machines. 1,805,693; May 19.
Gladish, John M., assignor, by mesne assignments, to Carter Brothers, Incorporated, Chattanooga, Tenn. Tufting-attachment mechanism for sewing machines. 1,800,522; Apr. 14.
Gladstone, William D., New York, N. Y. Percussion musical instruments. 1,801,422; Apr. 21.
Gladwin, Louis H., and N. G. Bruce, deceased, by E. W. Bruce, administratrix, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Method of building conduits. 1,809,802; June 9.
Glaenzer, Harry, Philadelphia, Pa. End frame of locomotives. 1,793,393; Feb. 17.
Glaenzer, Harry, Philadelphia, Pa. Tender truck. 1,803,244; Apr. 28.
Glaenzer, Harry, Philadelphia, Pa. Poppet valve. 1,814,913; July 14.
Glaenzer, Harry, Philadelphia, Pa. Air pump and power reverse support. 1,824,666; Sept. 22.
Glaeser, Christian F., Youngstown, Ohio. Swimming device. 1,822,966; Sept. 15.
Glagolin, Boris S., New York, N. Y. Stage mounting for cinematographic pictures. 1,797,286; Mar. 24.
Glahe, Fred, Chicago, Ill., assignor to A. G. Spaulding & Bros., New York, N. Y. Hockey stick. 1,821,889; Sept. 1.
Glahe, Fred W., Chicago, Ill., assignor to C. E. Dorais, Detroit, Mich. Athletic trousers. 1,835,295; Dec. 8.
Glancy, Anna E., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,816,728; July 28.
Glancy, Anna E., assignor to American Optical Company, Southbridge, Mass. Measuring device. 1,838,616; Dec. 29.
Glanschnig, Ignatz, assignor of one-half to A. Hazlawski, Gary, Ind. Aeroplane propeller. 1,825,184; Sept. 29.
Glantz, Ludwig B., Minden, Nebr. Piston ring compressor. 1,805,543; May 19.
Glardon, Edouard C., Hamburg, Germany. Strap stretching and sealing mechanism. 1,809,480; June 9.
Glasby, Jonathan P., Verona, N. J. Airplane. 1,823,735; Sept. 15.
Glascock Brothers Manufacturing Company. (See Frick, Chester A., assignor.)
Glascock Brothers Mfg. Co. (See Kaye, Samuel.)
Glascock Brothers Manufacturing Company. (See White, Albert R., assignor.)
Glascock Brothers Manufacturing Company. (See Wingate, Clayton B., assignor.)
Glascock, William A., Los Angeles, Calif. Twin automatic repouring coffee machine. 1,796,518; Mar. 17.
Glascodine, Richard T. (See Spencer, A., and Glascodine.)
Glascodine, Richard T., London, England. Central buffing and drawgear for railway vehicles. 1,809,198; June 9.
Glaser, Crandell Co. (See McDonough, Frank J., assignor.)

Glaser, John M., assignor to U. S. Hame Company, Buffalo, N. Y. Process and apparatus for forming hame bodies. 1,831,240; Nov. 10.
Glaser, Rudolph A., assignor, by mesne assignments, to G. Abbott as trustee. Printing plate and making same. 1,789,138; Jan. 13.
Glaser, Rudolph A., Cleveland, Ohio, assignor, by mesne assignments, to Gardner Abbott, trustee. Copyholder for projection apparatus. 1,811,123; June 23.
Glasgow, Arthur G., London, England, assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Mechanically-clinkered gas generator. 1,794,605; Mar. 3.
Glasgow, Arthur G., London, England, assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Water gas generator. 1,809,333; June 9.
Glasgow, Ernest M., Towaco, N. J., assignor to Russell & Stoll Company, New York, N. Y. Junction box. 1,829,896; Nov. 3.
Glasgow, John G., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Steam distillation. 1,817,250; Aug. 4.
Glashow, Lewis, New York, N. Y. Water heater attachment. 1,834,699; Dec. 1.
Glasier, Harold H., Los Angeles, Calif. Power-actuated furrow detacher. 1,797,501; Mar. 24.
Glasier, Harold H., Los Angeles, Calif. Traction frame. 1,804,412; May 12.
Glasier, Harold H., Los Angeles, Calif. Traction device. 1,818,550; Aug. 11.
Glasier, Harold H., Los Angeles, Calif. Oscillating spader. 1,818,551; Aug. 11.
Glasier, Harold H., Los Angeles, Calif. Mechanical spader. 1,827,429; Oct. 13.
Glasner, Rudolph W., et al. (See Rode, Fredrich J., assignor.)
Glasner, Rudolph W., and F. J. Rode, Chicago, Ill. Die-fitting machine. 1,791,757; Feb. 10.
Glass, Booker H., Brooklyn, N. Y. Rainproof saddle for weather-strip exterior doors. 1,795,853; Mar. 10.
Glass, Clemmie F. (See McCarley, W. D., assignor.)
Glass, Clifton A., Kansas City, Mo. Calculating device. 1,808,981; June 9.
Glass, Clifton A., assignor to Kansas City Structural Steel Company, Kansas City, Mo. Manhole. 1,788,998; Jan. 13.
Glass, Edward J., Williamstown, Ky. Automatic valve. 1,800,066; Apr. 7.
Glass, Ernest E., San Fernando, Calif. Universal joint. 1,830,394; Nov. 3.
Glass, J. W., et al. (See Dalke, Otto, assignor.)
Glass, Jackson C. E., Oakland, Calif. Bag. 1,814,685; July 14.
Glass, James F., Conroe, Tex. Work table and clamp. 1,805,395; May 12.
Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Perforating machine. 1,799,615; Apr. 7.
Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stamping machine. 1,802,377; Apr. 28.
Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Inking device for marking machines. 1,808,812; June 9.
Glass, Samuel R. (See Beal, George W., assignor.)
Glass, Theodore J., assignor to J. M. Fuller, Inglewood, Calif. Cigarette dispenser. Des. 83,727; Mar. 24.
Glasser, Eli, Brooklyn, N. Y. Bread box. Des. 83,601; Mar. 10.
Glasser, William F., assignor to Blaw-Knox Company, Pittsburgh, Pa. Method of and apparatus for tunnel construction. 1,792,084; Feb. 10.
Glatt, Frederick W., Abilene, Kans. Motor mount and carrier. 1,801,735; Apr. 21.
Glatthar, George E., Cleveland Heights, assignor to The Art Metal Company, Cleveland, Ohio. Lamp. Des. 84,737; July 28.
Glatthar, George E., Cleveland Heights, assignor to The Art Metal Company, Cleveland, Ohio. Lamp. Des. 84,738; July 28.
Glatthar, George E., Cleveland Heights, assignor to The Art Metal Company, Cleveland, Ohio. Electric light fixture. Des. 84,930; Aug. 25.
Glatthar, George E., and F. Wening, assignors to The Art Metal Company, Cleveland, Ohio. Shade holder. 1,810,520; June 16.
Glauber Brass Manufacturing Co. (See Monschein, Robert.)
Glauber, Morris H. (See Monschein, Robert.)
Glazer, Morris, Brooklyn, N. Y. Glazing machine. 1,802,597; Apr. 28.
Gleaner Combine Harvester Corporation, The. (See Baldwin, Ernest W. and G. D., assignors.)
Gleaner Combine Harvester Corporation, The. (See Bartels, Elmer I., assignor.)
Gleaner Combine Harvester Corporation. (See Pierson, Torvald N., assignor.)
Gleaner Combine Harvester Corporation. (See Worthington, Wayne H., assignor.)
Gleason, Charles J., Augusta, Ga. Piston ring. 1,819,890; Aug. 18.
Gleason, Clifford J. (See White, W. D., and Gleason.)
Gleason, James E. (See McMullen, F. E., Gleason and Stewart.)
Gleason, James H., Willoughby, assignor to The Gas Machinery Company, Cleveland, Ohio. Clamping device for coke-oven doors. 1,798,599; Mar. 31.
Gleason, James H., Willoughby, assignor to The Gas Machinery Company, Cleveland, Ohio. Fuel-charging mechanism. 1,806,623; May 26.
Gleason, James H., Willoughby, assignor to The Gas Machinery Company, Cleveland, Ohio. Automatic fuel-charging device. 1,831,066; Nov. 10.
Gleason, John J., et al. (See McArdle, Edward J., assignor.)
Gleason, John W., et al., trustees. (See Arey, Fred C., assignor.)
Gleason, Walter M., Oakland, Calif. Coin-controlled lock. 1,792,900; Feb. 17.
Gleason, Walter M., Oakland, Calif. Coin-controlled lock. 1,809,334; June 9.
Gleason Works. (See Candee, Allan H., assignor.)
Gleason Works. (See Candee, A. H., and Johanson, assignors.)
Gleason Works. (See Carlsen, Leonard O., assignor.)
Gleason Works. (See Earl, Schuyler H., assignor.)
Gleason Works. (See Finsen, Eyvind, assignor.)
Gleason Works. (See Head, Ernest C., assignor.)
Gleason Works. (See Hill, Maxwell H., assignor.)
Gleason Works. (See Hill, M. H., and Carlsen, assignors.)
Gleason Works. (See Johanson, Magnus H., assignor.)
Gleason Works. (See McMullen, Frederick E., assignor.)
Gleason Works. (See McMullen, F. E., and Slade.)
Gleason Works. (See McMullen, F. E., Gleason, and Stewart, assignors.)
Gleason Works. (See Shlesinger, Bernard E., assignor.)
Gleason Works. (See Shlesinger, B. E., and Durkan, assignors.)
Gleason Works. (See Slade, Alton P., assignor.)
Gleason Works. (See Taylor, Herbert E., assignor.)
Gleason Works. (See Webster, Raymond, assignor.)
Gleason Works. (See White, Herbert J., assignor.)
Gleason Works. (See Wildhaber, Ernest, assignor.)
Gleaves, Raymond C., Orlando, Fla. Laundry machine. 1,814,031; July 14.
Gleckner, Robert H., Canton, Pa. Belt. 1,792,158; Feb. 10.
Gledhill, Arthur H., Halifax, England. Copying machine. 1,795,718; Mar. 10.
Gledhill, David F., Upper Montclair, assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 83,101; Jan. 20.
Gledhill, Edward C., Galion, Ohio. Leaning wheel. 1,834,239; Dec. 1.
Gledhill, Edward C., Galion, Ohio. Leaning wheel. 1,834,240; Dec. 1.
Gledhill, Edward C., assignor to The Gledhill Road Machinery Co., Galion, Ohio. Road grader. 1,834,241; Dec. 1.
Gledhill Road Machinery Co., The. (See Gledhill, Edward C., assignor.)
Gledhill, Walter, Holmfirth, near Huddersfield, England. Loom for weaving having stationary weft supplies. 1,802,311; Apr. 21.
Gleichmann, Hans, Berlin-Siemensstadt, assignor to Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung, Simensstadt, near Berlin, Germany. Steam generator. 1,809,270; June 9.
Gleichmann, Hans, Falkenhain, near Spandau, and W. Gumz, Berlin-Charlottenburg, assignors to Siemens-Schuckertwerke, Gesellschaft mit beschrankter Haftung in Liquidation, Berlin-Siemensstadt, Germany. Automatic stoker for circular grates. 1,829,275; Oct. 27.
Glemby Company, The. (See Seidner, Leo, assignor.)
Glen Mixer Company. (See Dehuff, Walter F., assignor.)
Glenn, Coulter E., Evans City, Pa. Automobile luggage carrier. 1,815,943; July 28.
Glenn, Jay A., Hendersonville, N. C. Badge or similar article. Des. 84,931; Aug. 25.
Glenn, Robert C., and W. W. Ferguson, Rich Hill, Mo. Cigarette package. 1,824,884; Sept. 29.
Glenn, Robert S., Cisco, Tex. Drawing board attachment. 1,812,744; June 30.
Glennan, William S., Norfolk, Va. Landing carriage for aircraft. 1,830,228; Nov. 3.
Glenne, Hans, Brooklyn, N. Y. Illuminated sign. 1,794,954; Mar. 3.
Glenner, Francis R., Brooklyn, N. Y. Coating metals. 1,830,652; Nov. 3.
Glenney, Ralph H. (See Holmgreen, J. H., and Glenney.)
Glennon, James B., Washington, D. C. Indicator. 1,809,834; June 16.
Glennon, William K. (See Templeton, E. G., and Glennon.)
Glenwood Range Company. (See Burt, James P., assignor.)
Glenwood Range Company. (See Wilde, Samuel A., assignor.)
Glessner, Charles E., Portland, Oreg. Aircraft control. 1,817,074; Aug. 4.
Glidden, Alfred A., and T. M. Knowland, Watertown, and H. L. Davis, Walpole, Mass., assignors, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Boot tree. 1,808,544; June 2.
Glidden Company, The. (See Moore, C. G., and Zucker, assignors.)
Glidden Company, The. (See O'Brien, William J., assignor.)
Glidden Company, The. (See Skillman, Edward, assignor.)
Glidden, Everett G., Schenectady, N. Y., assignor to General Electric Company. Winding spool body. 1,821,796; Sept. 1.

Glidden Food Products Co., The. (See Beatty, H., and Mongere, assignors.)
Glidden, George B., Dighton, assignor to George Frost Company, Boston, Mass. Garter. 1,818,472; Aug. 11.
Glidden, Harvey L., Lexington, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Card holder for shoe racks. 1,826,769; Oct. 13.
Glidden, Harvey L., Lexington, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Reenforced cutting block. 1,833,111; Nov. 24.
Glidden, Harvey L., Lexington, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe rack. 1,837,263; Dec. 22.
Glidden, Joseph F. (See Kaser, Walter I., assignor.)
Glietenberg, Eugen. (See Neelmeier, W., and Glietenberg.)
Glietenberg, Eugen, Leverkusen-on-the-Rhine, J. Haller, Wiesdorf-on-the-Rhine, and M. Baltes, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyes derived from 2.3-hydroxynaphthoic acid arylamides. 1,813,618: July 7.
Glietenberg, Eugen, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New water insoluble azo dyestuff. 1,833,567; Nov. 24.
Glietenberg, Eugen, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Water insoluble azo dyestuff. 1,833,568; Nov. 24.
Globar Corporation. (See Boyer, John A., assignor.)
Globar Corporation. (See Heyroth, Albert H., assignor.)
Globar Corporation. (See Shaw, Harold N., assignor.)
Globe American Corporation. (See Cooper, William A., assignor.)
Globe American Corporation. (See Hill, Dewey H., assignor.)
Globe Automatic Sprinkler Company. (See Rowley, Arthur C., assignor.)
Globe Brick Company, The. (See Porter, Jacob N., assignor.)
Globe Company, The. (See Dodge, Charles H., assignor.)
Globe Machine Manufacturing Company. (See Jayne, Ames R., assignor.)
Globe Machine & Stamping Company, The. (See Green, Lee B., assignor.)
Globe Machinery & Supply Company. (See Bristol, Cyrus J., assignor.)
Globe Stationery Company. (See Pedersen, Hjalmar S., assignor.)
Globe Ticket Company. (See Feddern, Carl O., assignor.)
Globe-Wernicke Company, The. (See Smiley, Samuel, jr., assignor.)
Globe-Wernicke Company. (See Thies, Urban C., assignor.)
Glock, Friedrick A. (See Zimmerman, J., and Glock.)
Gloekler, John E., Pittsburgh, Pa. Latch construction. 1,812,334; June 30.
Gloekler, John E., Pittsburgh, Pa. Refrigerating cabinet. 1,823,444; Sept. 15.
Gloekler, John E., Pittsburgh, Pa. Greenhouse table. 1,833,676; Nov. 24.
Glomb, George D., assignor to J. C. Glomb, Bradford Woods, Pa. Extinguisher for cigarettes and the like. 1,827,360; Oct. 13.
Glomb, John C. (See Glomb, George D., assignor.)
Glose, Robert L. (See Benedict, E. L., and Glose.)
Gloss, Richard. (See Fassnacht, K., and Gloss.)
Gloster, George F., Makurdi North, Northern Nigeria, West Africa. Train braking system. 1,825,903; Oct. 6.
Glover, Benjamin M., Morley, near Leeds, England. Textile manufacture by sewing. 1,790,983; Feb. 3.
Glover, Earl L., and R., Comstock, Nebr. Two row corn picker. 1,806,624; May 26.
Glover, H. B., Company. (See Karberg, Peter K., assignor.)
Glover, John, assignor to Midway Chemical Company, Chicago, Ill. Fumigator. 1,838,221: Dec. 29.
Glover, Loyd. (See Glover, Earl, L., and R.)
Glover, Osceola B., San Antonio, Tex. Chicken boot. 1,837,038; Dec. 15.
Glover, Rex. (See Glover, Earl, L., and R.)
Glover, W. T., and Company Limited. (See Beaver, Charles J., assignor.)
Glover, William C., assignor to The Butler Manufacturing Company, Kansas City, Mo. Trap. 1,793,080; Feb. 17.
Glover, William C., assignor to Butler Manufacturing Company, Kansas City, Mo. Closed dry cleaning system. 1,814,212: July 14.
Glowacki, John B., Chicago, Ill. Renewable fuse element. Re18,128: July 14.
Glowacki, John B., Chicago, Ill. Renewable fuse element. 1,788,623; Jan. 13.
Gloyd, Frank M., assignor to Simonds Worden White Company, Dayton, Ohio. Beater bar. 1,827,228; Oct. 13.
Gluck, Abraham M., assignor of one-third to A. R. Visitacion, New York, N. Y. Telephone mouthpiece protector. 1,833,643; Nov. 24.
Gluck, Josef, Cleveland, Ohio. Artificial trolling bait. 1,812,782; June 30.
Gluck, Julius and R. R. Karich, New York, N. Y., assignors, by mesne assignments, to Ohmer Fare Register Company, Dayton, Ohio. Record-printing meter. 1,794,845: Mar. 3.
Glück, Ludovic, Arad, Rumania. Safety device for containers holding liquids which develop explosive gases. 1,816,323; July 28.
Glück, Paul, Bamberg, assignor to Ad. Essich & Co., Oldenburg, Germany. Letter file. 1,792,421; Feb. 10.
Gluckert, Josephine A., Philadelphia, Pa. Snuffer for candles. 1,822,652; Sept. 8.
Glue Research Corporation, The. (See Price, Ralph H., assignor.)
Glueck, Sidney I., et al. (See Fleigel, Benjamin, assignor.)
Gluksmann-Rodanski, Daniel. (See Nourry, P., and Gluksmann-Rodanski.)
Gluud, Wilhelm, Dortmund-Eving, Germany. Eliminating sulphuretted hydrogen from gases. 1,818,615; Aug. 11.
Gluud, Wilhelm, K. Keller, R. Schönfelder and W. Klempt, assignors to the Firm: Berguwerksverband zur Verwertung von Schutzrechten der Kohlentechnik, Gesellschaft mit beschränkter Haftung, Dortmond-Eving, Germany. Production of hydrogen. 1,816,523; July 28.
Glynn, Stephen A., Gardenville, assignor of one-half to W. J. Daetsch, Buffalo, N. Y. Train pipe coupling and valve arrangement. 1,827,286; Oct. 13.
Gminder, Emil, Reutlingen, Germany. Treating the fibers of textile material. 1,796,598; Mar. 17.
Gminder, Emil, Reutlingen, Germany. Wet process for treatment of fibers and apparatus therefor. 1,799,685; Apr. 7.
Gminder, Emil, Reutlingen, Germany. Producing fancy figures on textile material by mercerization. 1,811,846; June 30.
Gnaegy, Albert, Chester, Ill. Convertible tractor wheel. 1,825,394; Sept. 29.
Gneiss, Guss H. (See Chamberlain, G. L., and Gneiss.)
Gnomist & British Novelties Limited. (See Gade, Einar K., assignor.)
Goad, B. P., et al. (See Sparks, Jay G., assignor.)
Goad, Louis C., Muncie, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Insulation for field windings. 1,797,768; Mar. 24.
Goad, Louis C., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Shaft centering support. 1,806,344; May 19.
Goad, Louis C., and F. D. Walsmith, assignors to Delco-Remy Corporation, Muncie, Ind. Casting machine. 1,817,483; Aug. 4.
Goad, Louis C. (See Poole, L. E., Holmes, and Goad.)
Goben, John. (See Houseman, Martin L., assignor.)
Gober, Karl O., Oakland, Calif. Cuff link. 1,837,039; Dec. 15.
Gobereau, Robert R., and L. E. Maujole, Paris, France. Propeller. 1,829,443; Oct. 27.
Goble, Bert G., Tulsa, Okla., assignor to W. A. Quigley. Pumping-jack multiplier, swing, and hold-up. 1,792,297; Feb. 10.
Goble, Bert G., Tulsa, Okla., assignor to W. A. Quigley. Artificial bait. 1,833,522; Nov. 24.
Gochnauer, George C., Camp Hill, Pa. Packing ground meat. 1,797,137: Mar. 17.
Gockeler, George. (See Roesch, Christian, assignor.)
Goddard, Alvin C., Forest Hills, N. Y. Metal door. 1,793,081; Feb. 17.
Goddard, Alvin C., Forest Hills, N. Y. Metal door. 1,795,022; Mar. 3.
Goddard, Alvin C., Forest Hills, N. Y. Friction pivot hinge. 1,825,147; Sept. 29.
Goddard, Arthur L., Madison, Wis., assignor to K. G. Rennie, Chicago, Ill. Combined vibratory interrupter and transformer. 1,818,318; Aug. 11.
Goddard, Charles F., Denver, Colo. Grease gun. 1,787,783; Jan. 6.
Goddard, Charles F., Denver, Colo., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Automobile storage. 1,811,545; June 23.
Goddard, Charles F., Denver, Colo., assignor to The Automobile Storage Elevator Company, Denver, Colo. Road file. 1,829,591; Oct. 27.
Goddard, Edwin G., assignor of one-half to Flashtric Sign Works, Chicago, Ill. Electric sign. 1,814,379; July 14.
Goddard, John F., assignor to The Timken-Detroit Company, Detroit, Mich. Valve construction. 1,799,969; Apr. 7.
Goddard, Reginald S., Battersea, England. Playing table. Des. 83,102; Jan. 20.
Goddard, Robert H., Worcester, Mass. Apparatus for producing ions. 1,809,115; June 9.
Goddard, Robert H., Worcester, Mass. Decelerating aircraft. 1,834,149; Dec. 1.
Goddard, Robert H., assignor of one-half to G. Crompton, Worcester, Mass. Propulsion of aircraft. 1,809,271; June 9.
Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Mechanism for feeding strips. 1,788,459; Jan. 13.
Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,796,451; Mar. 17.
Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for inserting fastenings. 1,796,452; Mar. 17.
Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for inserting fastenings. 1,815,295; July 21.
Goddu, George, Winchester, assignor, by mesne assignments, to The Littleway Process Company, Boston, Mass. Manufacture of shoes. 1,815,296; July 21.

Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,815,297; July 21.
Goddu, George, Winchester, assignor, by mesne assignments, to The Littleway Process Company, Boston, Mass. Manufacture of shoes. 1,815,298; July 21.
Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting apparatus. 1,821,965; Sept. 8.
Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 1,821,966; Sept. 8.
Godefroid, Armand, Berlin, Germany. Cash till. 1,836,916; Dec. 15.
Godefroy, Alexandre F., Los Angeles, Calif. Loading aircraft. 1,821,057; Sept. 1.
Godefroy, Henri, assignor to Société Godefroy Freres, Paris, France. Automatic developer for photographic paper in sheets. 1,816,646; July 28.
Godel, Albert, Lagnieu, assignor to Société de Recherches et d'Exploitations Petroliferes, Paris, France. Apparatus for the production of activated carbon. 1,826,209; Oct. 6.
Godel, Howard F., Portland, Oreg. Advertising device. 1,816,899; Aug. 4.
Godfrey, Alfred A., assignor to Linoleum Manufacturing Company, Limited, London, England. Manufacture of linoleum. 1,827,145; Oct. 13.
Godfrey, Edwin H., West Hartford, assignor to The Pratt & Whitney Aircraft Co., Hartford, Conn. Speed change device. 1,836,587; Dec. 15.
Godfrey, Fred A., Chicago, Ill. Conduit anchor for outlet boxes. 1,788,054; Jan. 6.
Godfrey, Joseph H., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Milk heater. 1,809,116; June 9.
Godfreyl, Henry R., Gardner, Mass. Purse and pocketbook. 1,832,900; Nov. 24.
Godfriaux, Louis E., assignor to Gisholt Machine Company, Madison, Wis. Hydraulic chuck. 1,815,562; July 21.
Godin, Henry J., Augusta, Ga. Headlight. 1,803,900; May 5.
Godinez, Manuel, Chicago, Ill., assignor to Gifford-Wood Company, Hudson, N. Y. Gravity chute. 1,800,067; Apr. 7.
Godley, Charles E., Ypsilanti, assignor to General Motors Research Corporation, Detroit, Mich. Lamp socket mounting. 1,812,476; June 30.
Godoy, Humbert. (See Allen, T. T., and Godoy.)
Godsey, Frank W., jr., assignor of one-third to W. B. Hall, New Haven, Conn. Communication system. 1,807,658; June 2.
Godward, Ernest R., New York, N. Y., assignor to The Eclipse Petrol Economiser System Company, Limited, Christchurch, New Zealand. Vaporizer. 1,814,686; July 14.
Godward, Ernest R., New York, N. Y., assignor to The Eclipse Petrol Economizer System Companying, Limited, Christchurch, New Zealand. Vaporizer. 1,816,430; July 28.
Godward, Ernest R., New York, N. Y. Exhaust manifold for internal combustion engines. 1,828,774; Oct. 27.
Goebel, Clayton J., and C. Bartels, assignors to The Mosler Safe Company, Hamilton, Ohio. Dial cover. 1,829,444; Oct. 27.
Goebel, Clayton J., and C. Bartels, assignor to The Mosler Safe Company, Hamilton, Ohio. Communicating and ventilating device for vaults. 1,833,744; Nov. 24.
Göbel, Tadeusz, Lwow, Poland. Grate. 1,817,484; Aug. 4.
Goebeler, Eberhardt, Jena, Germany. High-frequency apparatus. 1,794,288; Feb. 24.
Goebels, Paul, assignor to Firm G. Polysius Aktiengesellschaft, Dessau, Germany. Apparatus for conveying bulk-goods. 1,815,403; July 21.
Goebert, Elmer C., Philadelphia, Pa., and H. C. Zimmerman, Washington, D. C. Gun carriage. 1,801,423; Apr. 21.
Goeddertz, Henry, Denver, Colo. Combined trunk and camping outfit. 1,803,901; May 5.
Goehler, Elmer E., Portland, Oreg. Internal-combustion engine. 1,796,453; Mar. 17.
Goeller, Lawrence E., Circleville, Ohio. Broom socket. Des. 85,474; Nov. 3.
Goeller, Lawrence E., Circleville, Ohio. Toilet kit. 1,796,519; Mar. 17.
Goeller, Lawrence E., Circleville, Ohio. Toilet kit. 1,834,023; Dec. 1.
Goeller, Robert A., Larchmont, N. Y. T-connecter. 1,809,408; June 9.
Goelz, Leonard A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Connecter. 1,834,150; Dec. 1.
Goenen, Leo E., J. A. Garrow, and A. E. Fritz, assignors to The Fritz-Cross Company, St. Paul, Minn. Chair. 1,797,911; Mar. 24.
Goepfrich, Rudolph A., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,812,000; June 30.
Goerg, Walter, Woodcliff, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Check valve operating in the direction of normal flow. 1,788,358; Jan. 6.
Goergen, Jacob J. (See Schleich, N., and Aldridge, assignors.)
Goerig, Ernst., Mannheim, and Heinrich Lindhorst, Berlin, Germany. Hardening furnace with continuously operated charging device. 1,821,832; Sept. 1.
Goerke, Henry E., Floral Park, N. Y., assignor to American Machine & Foundry Company. Marking device for wrapping machines. 1,810,959; June 23.
Goertz, August, & Co. (See Dickey, Laurence P., assignor.)
Goertz, August, & Co. (See Goertz, Walter A., assignor.)
Goertz, August, & Co., Inc. (See Wacker, William E., assignor.)
Goertz, Walter A., East Orange, N. J., assignor to August Goertz & Co., Inc. Vanity box. 1,797,549; Mar. 24.
Goerz, Arthur A., Alhambra, Calif. Assembling structural steel. 1,819,287; Aug. 18.
Goerz, C. P., American Optical Company. (See Mueller, Emil M., assignor.)
Goerz, C. P., optische anstalt Aktiengesellschaft Akciova Spolecnost K. P. Goerz opticky ustav. (See Schier, Johann, assignor.)
Goeser, Edwin W., assignor, by mesne assignments, to Emsco Derrick & Equipment Company, Los Angeles, Calif. Oil-well-drilling drive. 1,792,977; Feb. 17.
Goeser, Edwin W., assignor to Emsco Derrick Equipment Company, Los Angeles, Calif. Two speed rotary drive. 1,805,819; May 19.
Goeser, Edwin W., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. One-piece rotary. 1,808,304; June 2.
Goess, William, Brooklyn, N. Y. Guard vault. 1,799,970; Apr. 7.
Goethel, Albert C., Milwaukee, Wis. Fumeproof spray cabinet. 1,794,764; Mar. 3.
Goetsch, George W., Elkins Park, assignor to Quaker Hosiery Company, Philadelphia, Pa. Antiravel welt juncture for stockings. 1,819,997; Aug. 18.
Goetz, Ernest F., Schenectady, N. Y., assignor to General Electric Company. Detachable contact. 1,839,095; Dec. 29.
Goetz, Gabriel, et al. (See Stechauner, John, assignor.)
Goetz, George, assignor to S. M. Barr and G. A. Barr, Los Angeles, Calif. Marine paint. 1,803,607; May 5.
Goetz, Herbert W., Alhambra, R. C. Clark, Los Angeles, and J. J. Ferlin, Huntington Park, Calif. Spider. 1,803,608; May 5.
Goetz, Herbert W., Alhambra, R. C. Clark, Los angeles, and J. J. Ferlin, Huntington Park, Calif. Rotary table. 1,807,286; May 26.
Goetz, John, and L. J. Radermacher, assignors to The Kempsmith Manufacturing Co., West Allis, Wis. Milling machine. 1,791,758; Feb. 10.
Goetz, Julius J., Shorewood, Wis., assignor to Western Metal Specialty Co., Milwaukee, Wis. Heater. Re18,218; Oct. 6.
Goetzelman, William, Chicago, Ill., assignor to Appleton Electric Company. Ground connection. 1,823,139; Sept. 15.
Goetzenberger, Ralph L., Philadelphia, Pa. Data computer. 1,825,659; Oct. 6.
Goetzke, Otto, Jersey City, N. J. Safety razor. 1,813,699; July 7.
Goewey, Harold W., Baltimore, Md., assignor to Parke Davis & Company, Detroit, Mich. Machine for applying caps to bottles. 1,826,930; Oct. 13.
Goez, William F., assignor to Iowa Fiber Box Company, Keokuk, Iowa. Article carrier. 1,803,755; May 5.
Goff, Clifton D. (See Wallman, A. F., and Goff.)
Goff, George R., assignor to Draper Corporation, Hopedale, Mass. Bobbin and bobbin clutching spindle. 1,834,914; Dec. 1.
Goff, Harold W., Great Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse transmitter. 1,799,686; Apr. 7.
Goff, Harold W., Great Neck, and O. F. Forsberg, Yonkers, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse transmitter. 1,809,841; June 16.
Goff, James T., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Impregnating coils. 1,818,976; Aug. 18.
Goff, Robert, jr., assignor of one-half to J. Hollman, Kansas City, Mo. Cream-puff-filling machine. 1,787,900; Jan. 6.
Goff, William F., Akron, Ohio. Jumping rope. 1,817,616; Aug. 4.
Goffatt, William C. (See McLaughlin, Frank, assignor.)
Gofferjé, Eduard. (See Kunz, M. A., von Rosenberg, and Gofferjé.)
Gogarten, Rudolf, Aachen, Germany, and J. S. Arthur, assignors to The Commercial Alcohol Company Ltd., London, England. Production of degradation products from cellulose, cellulose-like substances, and cellulose containing materials. 1,806,531; May 19.
Gogelein, Johannes F., Soerabaia, and C. J. F. Schoonenberg, Sitoebondo, Java. Supplying fuel to furnaces. 1,788,289; Jan. 6.
Gogol, John, Northampton, Mass. Bridge and breaker. 1,797,138; Mar. 17.
Göhre, Otto. (See Jannek, J., and Göhre.)
Goin, George R., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Airplane covering material and making same. 1,792,829; Feb. 17.
Goin, John K., University City, Mo. Form or mold for concrete. 1,795,021; Mar. 3.

Going, George G., Glenbrook, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,809,552; June 9.
Going, George G., Glenbrook, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,817,254; Aug. 4.
Going, George G., Glenbrook, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,834,613; Dec. 1.
Going, George G., Middletown, Conn., assignor, by mesne assignments, to Remington Typewriter Company. Typewriting machine. 1,817,251; Aug. 4.
Going, George G., Middletown, Conn., assignor, by mesne assignments, to Remington Typewriter Company. Typewriting machine. 1,817,252; Aug. 4.
Going, George G., Middletown, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,817,253; Aug. 4.
Going, George G., Middletown, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,826,068; Oct. 6.
Goiot, Jean R., Reims, France. Two-stroke motor. 1,790,302; Jan. 27.
Gola, Esteban, Buenos Aires, Argentina. Pliable hammock chamber for steam baths. 1,798,080; Mar. 24.
Golankie, Joseph. (See Paul, Leon R., assignor.)
Gold, Bernard L., Bronx, and O. Gutfreund, Forest Hills, N. Y. Combined automobile hood and radiator. Des. 83,799; Mar. 31.
Gold Car Heating & Lighting Company. (See Gold, Edward E., assignor.)
Gold Dust Corporation. (See Adams, R. H., and Thurman, assignors.)
Gold Dust Corporation. (See Thurman, Benjamin H., assignor.)
Gold, Edward E., New York, assignor to Gold Car Heating & Lighting Company, Brooklyn, N. Y. Steam heating apparatus and fitting. 1,790,805; Feb. 3.
Gold, Edward E., New York, assignor to Gold Car Heating & Lighting Company, Brooklyn, N. Y. Coupler for hose or pipe ends. 1,792,490; Feb. 17.
Gold, Edward E., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Hose or pipe coupler. 1,826,770; Oct. 13.
Gold, Egbert H., deceased, Evanston, M. J. Gold and Biscayne Trust Company, executors, and E. A. Russell, said Russell assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Hose coupler. 1,820,535; Aug. 25.
Gold, Harriet, et al. (See Hopp, Hermann, assignor.)
Gold, Harriett, et al. (See Hopp, Leo, assignor.)
Gold, Margaret J., et al., executors. (See Gold, E. H., and Russell.)
Gold Medal Camp Furniture Co. (See Brown, Newton N., assignor.)
Gold Medal Camp Furniture Mfg. Co. (See Brown, Newton N., assignor.)
Gold Medal Folding Furniture Company. (See Brown, Newton N., assignor.)
Gold, Monroe, Brooklyn, N. Y. Clip for a fountain pen or similar article. Des. 84,139; May 12.
Gold, Oskar, administrator. (See Langer, Theodor.)
Goldacker, Paul, Berlin-Treptow, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Photographic roll film spool. 1,811,926; June 30.
Goldbeck, Herman L., Adelaide, Australia. Toilet paper holder. 1,810,272; June 16.
Goldberg, Abraham, New York, N. Y. Shirt. 1,792,369; Feb. 10.
Goldberg, Benjamin D., Brooklyn, N. Y. Vacuum cleaner. 1,822,522; Sept. 8.
Goldberg, Emanuel, Dresden, Germany. Cinematographic camera. 1,789,679; Jan. 20.
Goldberg, Emanuel, Dresden, Germany. Distance releasing device for moving picture cameras driven by a spring mechanism. 1,830,602; Nov. 3.
Goldberg, Emanuel, Dresden, Germany. Statistical machine. 1,838,389; Dec. 29.
Goldberg, Emanuel, Dresden-Loschwitz, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Film magazine. 1,802,598; Apr. 28.
Goldberg, Emanuel, and O. Fischer, Dresden, Germany. Film box. 1,804,500; May 12.
Goldberg, Herman, Washington, D. C. Direction indicating signal. 1,828,404; Oct. 20.
Goldberg, Jacob M. (See Goldberg, Louis B., N., W., and J. M.)
Goldberg, Joseph, Los Angeles, Calif. Securing dishes on ships' tables. 1,824,344; Sept. 22.
Goldberg, Louis B., N., W., and J. M., Denver, Colo. Spring hinge for foldable awning supports. 1,815,199; July 21.
Goldberg, Louis B., N., W., and J., Denver, Colo. Folding awning arm. 1,823,649; Sept. 15.
Goldberg, Max, New York, N. Y. Machine for processing fibrous filling materials. 1,802,249; Apr. 21.
Goldberg, Max W., assignor by mesne assignments to Pouring device. 1,816,185; July 28.
Goldberg, Maximilian M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,791,866; Feb. 10.
Goldberg, Maximilian M., assignor to National Cash Register Company, Dayton, Ohio. Auditing machine. 1,801,499; Apr. 21.
Goldberg, Maximilian M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,812,001; June 30.
Goldberg, Maximilian M., assignor to The National Cash Register Company, Dayton, Ohio. Auditing machine. 1,818,473; Aug. 11.
Goldberg, Maximilian M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Speed control switch for cash registers. 1,819,088; Aug. 18.
Goldberg, Maximilian M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Auditing machine. 1,827,005; Oct. 13.
Goldberg, Maximilian M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Auditing machine. 1,838,617; Dec. 29.
Goldberg, Meyer D., Philadelphia, Pa. Dental equipment. 1,806,159; May 19.
Goldberg, Morris, Brooklyn, N. Y. Bed spring guard. 1808846; June 9.
Goldberg, Morris J., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Pump-governor control means. 1,790,912; Feb. 3.
Goldberg, Morris J., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Fuel injector for oil engines. 1,814,443; July 14.
Goldberg, Morris J., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Engine timing means. 1,834,125; Dec. 1.
Goldberg, Morris J., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Internal combustion engine. 1,836,236; Dec. 15.
Goldberg, Nathan. (See Goldberg, Louis B., N., W., and J. M.)
Goldberg, Nathaniel, Brooklyn, N. Y. Mattress retainer. 1,810,601; June 16.
Goldberg, Philip, and N. L. Costello, Mount Vernon, N. Y. Adjustable outlet box. 1,811,687; June 23.
Goldberg, Reinhard, Ludwigshafen-on-the-Rhine, and K. O. Schmitt, Oppau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of fertilizers. 1,788,828; Jan. 13.
Goldberg, Rudolf. (See Archangelsky, A., and Goldberg.)
Goldberg, Samuel, assignor to Universal Fixture Corporation, New York, N. Y. Metal shelving. 1,814,084; July 14.
Goldberg, Solomon H., assignor, by mesne assignments, to Chain Store Products Corporation, Chicago, Ill. Package or similar article. Des. 83,042; Jan. 13.
Goldberg, Solomon H., assignor, by mesne assignments, to Chain Store Products Corporation, Chicago, Ill. Display card or similar article. Des. 83,437; Feb. 24.
Goldberg, Solomon H., and W. H. Hermsdorf, assignors, by mesne assignments, to Chain Store Products Corporation, Chicago, Ill. Hair-gripping fastener. 1,799,510; Apr. 7.
Goldberg, William. (See Goldberg, Louis B., N., W., and J. M.)
Goldberger, Franz, Karlsruhe, Germany. Device for skeining hanks on the reel. 1,800,289; Apr. 14.
Goldblatt, David, New York, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 1,807,523; May 26.
Goldblatt, Henry J., assignor to Vidrio Products Corporation, Chicago, Ill. Table lighter. Des. 84,472; June 23.
Goldblatt, Henry J., assignor to Vidrio Products Corporation, Chicago, Ill. Table lighter. Des. 85,641; Dec. 1.
Goldburg, Irving, Suffern, N. Y. Shade apparatus. 1,815,769; July 21.
Goldeen, Jacob. (See Edelson, C. Z., Goldeen, and Tarlow.)
Golden Augustus J., Baltimore, Md. Visible cigar package. 1,809,335; June 9.
Golden, Charles E. (See Anderson, Edward V., assignor.)
Golden, Daniel J., Brockton, Mass. Athletic shoe. 1,827,514; Oct. 13.
Golden Gate Gold Mining Co. et al. (See Duschak, L. H., and Dennis, assignors.)
Golden, Harry S., Flint, assignor to General Motors Corporation, Detroit, Mich. Starting crank hole closure. 1,816,576; July 28.
Golden, Louis J., Highland Park, Ill. Baby shoe. Des. 83,728; Mar. 24.
Golden, Louis J., assignor to B. & B. Shoe Company, Chicago, Ill. Baby shoe. Des. 83,898; Apr. 14.
Golden, Louis J., assignor to B. & B. Shoe Company, Chicago, Ill. Carton or similar container. Des. 84,032; Apr. 28.
Golden Nuggett Sweets. (See Olsen, Andrew, jr., and J. A., assignors.)
Golden, Robert F., South Orange, assignor to National Lock Washer Company, Newark, N. J. Quick release stop for railroad car windows. 1,809,117; June 9.
Golden, Robert F., South Orange, assignor to The National Lock Washer Company, Newark, N. J. Sput. 1,830,939; Nov. 10.
Golden State Milk Products Company. (See Christensen, Godfrey, assignor.)
Goldenberg, Michael, Philadelphia, Pa. Antislip shoe. 1,827,515; Oct. 13.
Goldenberg, Michael, assignor to Brooks Shoe Manufacturing Company, Philadelphia, Pa. Shoe-cleat attachment. 1,797,059; Mar. 17.
Goldfield, Elwin R. (See Horsely, C., and Goldfield.)

Goldfinger, Hyman, Brooklyn, N. Y. Window shade bracket. 1,823,490; Sept. 15.
Goldfinger, Samuel, New York, N. Y. Lamp shade. 1,812,783; June 30.
Goldfinger, Samuel, New York, N. Y. Lamp. 1,824,047; Sept. 22.
Goldhaber, Jacob, Johnstown, Pa. Bottle or similar article of manufacture. Des. 84,581; July 7.
Goldhagen, Harry, New York, N. Y. Emergency pipe cutter. 1,811,046; June 23.
Goldhammer, Leo, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Automatic folding camera with self-erecting lens carrier. 1,793,925; Feb. 24.
Goldhammer, Leo, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Film transporting device in a motion picture apparatus. 1,805,579; May 19.
Goldhammer, Leo, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Motion picture projector. 1,807,737; June 2.
Goldin, Nancy L., et al. (See Yeager, Virgil E., assignor.)
Golding, Bert Y., Long Beach, and J. J. Burkhard, Anaheim, Calif. Sealing paste. 1,828,182; Oct. 20.
Golding, George E. (See Keating, Charles E., assignor.)
Goldinger, Carl M., Tarentum, Pa., assignor to Union Metal Products Company, Chicago, Ill. Car coupler operating device. 1,814,687; July 14.
Goldman, Albert D., Baltimore, Md. Storage battery terminal. 1,820,611; Aug. 25.
Goldman, Barney, New York, N. Y. Ventilating system for projecting rooms. 1,805,620; May 19.
Goldman, Barney, New York, N. Y. Hydraulic jack. 1,813,700; July 7.
Goldman, Barney, New York, N. Y. Hydraulic jack. 1,836,962; Dec. 15.
Goldman, Benjamin, New York, N. Y. Razor. 1,826,876; Oct. 13.
Goldman, Frank L., Mount Vernon, assignor, by mesne assignments, to Audio-Cinema, Incorporated, Long Island City, N. Y. Producing motion picture films. 1,815,251; July 21.
Goldman, Isadore, and J. Cohen, Chicago, Ill. Attachment for ironing machines. 1,793,791; Feb. 24.
Goldman, Joseph, New York, N. Y. Ring. Des. 84,410; June 16.
Goldman, Joseph, New York, N. Y. Ring. Des. 84,411; June 16.
Goldman, Morris. Bridgeport, Conn. Decorative lighting device. 1,831,443; Nov. 10.
Goldman, Oscar G., San Francisco, Calif. Pressure regulating valve. 1,803,697; May 5.
Goldman, Otto B., Long Beach, Calif. Pressure measuring device. 1,832,380; Nov. 17.
Goldman, Samuel, Brooklyn, N. Y. Sash lock. 1,805,170; May 12.
Goldman, Solomon. (See Reitter, Gustave C., assignor.)
Goldsberry, Angus L., Long Beach, Calif. Slush pump valve. 1,836,068; Dec. 15.
Goldsborough, John B., Croton-on-the-Hudson, N. Y. Forming piles. 1,794,892; Mar. 3.
Goldsborough, Lilburn T., Baltimore, Md. Method of and apparatus for making ferrules. 1,811,580; June 23.
Goldsborough, Shirley L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay. 1,793,478; Feb. 24.
Goldsborough, Thaddeus R. (See Falknor, F. B., and Goldsborough.)
Goldsborough, Winder E., South Norwalk, Conn., assignor to Doherty Research Company, New York, N. Y. Valve to control high temperature high pressure fluids. 1,812,870; July 7.
Goldsborough, Winder E., South Norwalk, Conn., assignor to Doherty Research Company, New York, N. Y. Piston valve. 1,813,846; July 7.
Goldsborough, Winder E., South Norwalk, Conn., assignor to Doherty Research Company, New York, N. Y. Convex cylinder and piston head. 1,833,711; Nov. 24.
Goldsborough, Winder E., South Norwalk, Conn., J. D. Morgan, South Orange, and G. H. Wyckoff, Mountain Lakes, N. J., assignors to Doherty Research Company, New York, N. Y. Producing molten and refined metal from crude ores. 1,804,161; May 5.
Goldsborough, Winder E., South Norwalk, Conn., and B. Schilling, New York, assignors to Doherty Research Company, New York, N. Y. Fuel injection system. 1,807,524; May 26.
Goldschmidt, Robert, Berlin-Karlshorst, Germany, assignor to General Electric Company. Oscillation generator. 1,837,903; Dec. 22.
Goldschmidt, Robert, Berlin-Karlshorst, and H. Sprung, Berlin-Friedrichshafen, Germany, assignors to General Electric Company. Magnetic material. 1,801,150; Apr. 14.
Goldschmidt, Rudolf, Berlin, Germany. Diaphragm especially for the reproduction of sound. 1,799,162; Apr. 7.
Goldschmidt, Th., A.-G. (See Sander, Wilhelm, assignor.)
Goldschmidt, Th., A.-G. (See Schrader, Hans sasignor.)
Goldschmidt, Th., A.-G. (See Weber, J., Schrader, and Wiedbrauck, assignors.)
Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Automatic switching device for electric phonographs. 1,816,577; July 28.
Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Statistical directional transmitter. 1,821,383; Sept. 1.
Goldsmith, Bertram J., New York, and E. Koeb, Tuckahoe, N. Y., assignors, by mesne assignments, to Seaman Body Corporation, Milwaukee, Wis. Door and window construction. 1,788,390; Jan. 13.
Goldsmith, Edwin M., assignor of one-half to H. F. Goldsmith, Philadelphia, Pa. Bathing suit. 1,829,989; Nov. 3.
Goldsmith, Edwin M., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Buttonhole tape. 1,838,991; Dec. 29.
Goldsmith, Elmer L., Indianapolis, and W. H. Noelting, assignors to The Faultless Caster Company, Evansville, Ind. Caster construction. 1,830,996; Nov. 10.
Goldsmith, Fred C., Houston, Tex. Bit holding chuck. 1,831,530; Nov. 10.
Goldsmith, Henry F. (See Goldsmith, Edwin M., assignor.)
Goldsmith, Henry F., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Reel holder. 1,802,343; Apr. 28.
Goldsmith, Hugo, assignor to The P. Goldsmith Sons Company, Cincinnati, Ohio. Tackling and blocking dummy for football practice. 1,817,364; Aug. 4.
Goldsmith, Irving, Freeport, assignor to Aladdin Iron Works, Inc., New York, N. Y. Seat. Des. 85,522; Nov. 10.
Goldsmith, John N., London, and T. T. Baker, Hatch End, assignors to Spicers Limited, London, England. Color photography. 1,826,001; Oct. 6.
Goldsmith, John N., London, T. T. Baker, Hatch End, Middlesex, and C. Bonamico, assignors to Spicers Limited, London, England. Color photography. 1,818,927; Aug. 11.
Goldsmith, Mary I., Greeley, Colo. Beet cultivator. 1,790,141; Jan. 27.
Goldsmith, Maurice, New York, N. Y. Kit case. 1,792,582; Feb. 17.
Goldsmith, Max S., Cincinnati, Ohio. Ceiling slab. 1,814,144; July 14.
Goldsmith, Max S., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Structural element. 1,792,491; Feb. 17.
Goldsmith, Max S., and B. Harig, assignors to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Mounting for removable tile. 1,824,817; Sept. 29.
Goldsmith Metal Lath Company, The. (See Goldsmith, Max S., assignor.)
Goldsmith Metal Lath Company, The. (See Goldsmith, William M., assignor.)
Goldsmith Metal Lath Company, The. (See Goldsmith, M. S., and Harig, assignors.)
Goldsmith, P., Sons Company, The. (See Goldsmith, Hugo, assignor.)
Goldsmith, William M., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Metal lath and process for making same. 1,792,492; Feb. 17.
Goldsmith, William M., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Concrete form. 1,803,109; Apr. 28.
Goldsmith, William M., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Support lug for domes. 1,824,816; Sept. 29.
Goldstein, Aaron A., Buffalo, N. Y. Fountain pen and the like. 1,838,543; Dec. 29.
Goldstein, Aaron A., Buffalo, N. Y. Sterilizing case. 1,838,825; Dec. 29.
Goldstein, Albert M. (See Fischer, P. A., Schoen, and Goldstein.)
Goldstein, Albert M., New York, and M. Garfinkel, Brooklyn, N. Y.; said Garfinkel assignor to said Goldstein. Machine for packaging straws and the like. 1,825,058; Sept. 29.
Goldstein, Emanuel, assignor to Baby Grands, Inc., New York, N. Y. Diaper. 1,815,059; July 21.
Goldstein, Esther, Brooklyn, N. Y. Diaper. 1,836,794; Dec. 15.
Goldstein, Jacob, Wilkes-Barre, Pa. Bait box. 1,815,101; July 21.
Goldstein, Joseph M. (See Fischer, P. A., Schoen, and Goldstein.)
Goldstein, Louis, assignor to Knight Supper Mfg. Corp., Brooklyn, N. Y. Slipper. Des. 84,412; June 16.
Goldstein, Max. (See Kotlicke, Aaron L., assignor.)
Goldstein, Samuel, Chicago, Ill. Combined vest and trousers. Des. 84,190; May 19.
Goldstein, William, New York, N. Y. Shoe. Des. 85,040; Sept. 8.
Goldstone, Leroy, assignor to Judsen Rubber Works, Chicago, Ill. Slipper. 1,823,445; Sept. 15.
Goldthorpe, William O. (See Ellis, G. H., and Goldthorpe.)
Goldwyn Brothers. (See Manly, Fred G., assignor.)
Goldwyn, George I., et al. (See Manly, Fred G., assignor.)
Goldwyn, George I., Chicago, Ill. Treating used burlap bags. 1,816,840; Aug. 4.
Goldwyn, Herman, et al. (See Manly, Fred G., assignor.)
Goliath Rubber Company, The. (See Mackey, Albert B. and E. A., assignors.)
Golje, Nils G., Stockholm, Sweden. Device for printing on long webs of paper, cloth, or the like in platen-presses. 1,825,395; Sept. 29.

Gollmar, Herbert A., East Orange, N. J., assignor to The Koppers Company. Treatment of arsenical solutions. 1,827,082; Oct. 13.
Gollnick, Paul A., assignor, by mesne assignments, to Selectograph Company, Chicago, Ill. Treating paper. 1,800,214; Apr. 14.
Gollnick, Paul A., and F. W. Broderick, assignors, by mesne assignments, to Selectograph Company, Chicago, Ill. Inking mechanism for addressing machines. 1,818,706; Aug. 11.
Gollnick, Paul A. and F. W. Broderick, assignors, by mesne assignments, to Selectograph Company, Chicago, Ill. Printing mechanism for addressing machines. 1,820,970; Sept. 1.
Gollnick, Paul A., F. W. Broderick, and K. Emde, assignors to Selectograph Company, Chicago, Ill. Hand operated addressing machine. 1,822,344; Sept. 8.
Gollnick, Paul A., F. W. Broderick, and K. Emde, assignors to Selectograph Company, Chicago, Ill. Listing attachment for addressing machines. 1,836,022; Dec. 15.
Gollnick, Paul A., F. W. Broderick, and L. J. Slupkowski, assignors, by mesne assignments, to Selectograph Company, Chicago, Ill. Adjustable platen for addressing machines. 1,796,327; Mar. 17.
Gollnick, Paul A., and J. J. Toolan, assignors, by mesne assignments, to Selectograph Company, Chicago, Ill. Cutting mechanism for sheets. 1,807,840; June 2.
Gollwitzer, Walter T., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,792,085; Feb. 10.
Gollwitzer, Walter T., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,799,417; Apr. 7.
Gollwitzer, Walter T., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,799,418; Apr. 7.
Gollwitzer, Walter T., and H. E. Hubbard, assignors, by mesne assignments, to Addressograph Company, Chicago, Ill. Printing machine. 1,790,661; Feb. 3.
Golnick, John, Detroit, Mich. Clamp. 1,804,007; May 5.
Golod, Maurice P., assignor of one-half to J. Nash, New York, N. Y. Machine for counting restaurant checks and adding highest amounts indicated thereon. 1,829,925; Nov. 3.
Gologan, Dumitru, Newark, N. J. Swivel valve. 1,793,479; Feb. 24.
Golomb, Joseph. (See Loving, Harry E., assignor.)
Golovtchikoff, Alexander A., Tokyo-Fu-Ka, assignor of one-half to Shun Ichi Ono, Tokyo, Japan. Incinerator. 1,795,771; Mar. 10.
Golrick, Albert R., Shaker Heights, assignor to The Gerson-Stewart Corporation Company, Cleveland, Ohio. Soap valve. 1,838,140; Dec. 29.
Golson, John R., Bennettsville, S. C. Serving device for card tables. 1,837,362; Dec. 22.
Goltz & Brown, et al. (See Rutten, Frank M., assignor.)
Golub, Solomon. (See Stevelman, Nathan, assignor.)
Golwynne, Henry A. (See Freed, Meyer L., assignor.)
Gomber, George W., Conyngham, assignor to A. W. Drake Manufacturing Company, Hazleton, Pa. Ironing board. 1,801,151; Apr. 14.
Gomez y Virto, José, La Castellana, P. I. Method and apparatus for plowing. 1,788,604; Jan. 13.
Gommel, Dewey E., assignor to E. C. Atkins & Company, Indianapolis, Ind. Swage shaper. 1,799,623; Apr. 7.
Gommesen, Arthur, Grand Rapids, Mich., assignor to The Kiel Furniture Company, Milwaukee, Wis. Radiotable. 1,793,792; Feb. 24.
Gonder, James H., Liberty, Mo. Apparatus for testing lubricating oils. 1,825,725; Oct. 6.
Gonsett, Robert R., Los Angeles, Calif. Motor operated shears. 1,806,555; May 19.
Gonsett, Robert R., assignor of one-sixteenth to V. V. Ullom, one-sixteenth to W. D. Spencer, one-sixteenth to H. A. Burrell, and one-sixteenth to B. Walker, Los Angeles, Calif. Adjustable accessory time switch. 1,825,660; Oct. 6.
Gonsett, Robert R., and V. A. Wheeler, Los Angeles, Calif. Smoking appliance. 1,836,237; Dec. 15.
Gonzales, Asisclo, et al. (See Montano, A., and Romero, assignors.)
Gonzales, Jose G., et al. (See Montano, A., and Romero, assignors.)
Gonzalez, Crispin. (See Occhipinti, Carlos and G., and Gonzalez.)
Gonzalez, Honorio C., Chicago, Ill. Disk talking-machine record. 1,792,159; Feb. 10.
Gonzâlez, José G., and R. Davila, Villa Cecilia, Mexico. Salvaging apparatus for submarines. 1,801,232; Apr. 14.
Gonzalez, Julio, Jersey City, N. J. Gas burner. 1,821,797; Sept. 1.
Gooch, Claiborne W., Lynchburg, Va., and E. Racz, assignors to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 1,802,974; Apr. 28.
Gooch, Dennie, Somerset, Ky. Watchmaker's and engraver's eyeglass holder. 1,823,828; Sept. 15.
Gooch, Raymond L., Falmouth, assignor of one-half to S. J. Mayhew, South Portland, Me. Window screen. 1,798,600; Mar. 31.
Good, Andrew, Los Angeles, Calif. Slug-casting typesetting-machine operation. 1,795,854; Mar. 10.
Good, Bruce Z., assignor to The Loomis Machine Company, Tiffin, Ohio. Drilling machine. 1,805,139; May 12.
Good, Henry O., Brownwood, Tex. Electric fountain. 1,818,319; Aug. 11.
Good, Ignatius J., Boston, Mass. Oarlock. 1,788,865; Jan. 13.
Good Inventions Co. (See Good, John, assignor.)
Good Inventions Co. (See Good, J., and Olsen, assignors.)
Good Inventions Co. (See Good, Michel, assignor.)
Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Oil burner. 1,787,743; Jan. 6.
Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Engine vaporizing means and method. 1,789,361; Jan. 20.
Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Combustion carburetor. 1,789,362; Jan. 20.
Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Engine-lubricating system. 1,790,372; Jan. 27.
Good, John, Garden City, assignor to Automatic Motor Stop and Start, Inc., New York, N. Y. Engine-starting system. 1,792,583; Feb. 17.
Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Fuel spraying. 1,803,967; May 5.
Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Oil burner. 1,818,616; Aug. 11.
Good, John, Garden City, and E. H. Olsen, assignors to Good Inventions Co., New York, N. Y. Liquid pumping apparatus. 1,820,612; Aug. 25.
Good, John, Garden City, and M. Stevenson, Westbury, assignors to Automatic Motor Stop and Start, Inc., New York, N. Y. Engine-starting system. 1,788,713; Jan. 13.
Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Automatic oil burner. 1,834,396; Dec. 1.
Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,790,211; Jan. 27.
Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,801,859; Apr. 21.
Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train control device. 1,805,621; May 19.
Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 1,837,429; Dec. 22.
Good Humor Corporation of America. (See Hebel, Fred, assignor.)
Good Manufacturing Company. (See Riegger, Constantin, assignor.)
Good, Michel, Garden City, assignor to Good Inventions Co., New York, N. Y. Liquid fuel burner. 1,826,423; Oct. 6.
Good, Ray F., Lykens, Pa. Metallic shoe lace tip. 1,810,602; June 16.
Good, Robert C., Edgewood, and H. Holiday, Glenshaw, Pa., assignors, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio. Making car wheels. 1,804,763; May 12.
Goodall Worsted Company. (See Nutter, William S., assignor.)
Goode, George W., Wellington, Tex. Stepladder. 1,836,163; Dec. 15.
Goode, Marvin A. (See Crute, Joseph T., assignor.)
Goodell, E. G., et al. (See White, Alfred H., assignor.)
Goodell, George H. (See Cairncross, R. L., and Goodell.)
Goodell, Robert. (See Atkinson, J. R., Goodell, and Stege.)
Goodenow, Roy S., Chicago, Ill., assignor of one-half to George L. Curtis, Clinton, Iowa. Gum resin compound. 1,821,703; Sept. 1.
Gooderham, John W., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,799,811; Apr. 7.
Gooderham, John W., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,814,248; July 14.
Goodfriend, Charles F., Jersey City, N. J. Pneumatic vehicle shoe. 1,792,901; Feb. 17.
Goodhall, Sydney N. (See Willshaw, H., and Goodhall.)
Goodkind, Leo, Woodmere, N. Y. Boudoir slipper. Des. 84,889; Aug. 18.
Goodknight, Alva L., Fort Worth, Tex. Air brake mechanism. 1,835,999; Dec. 8.
Goodlake, Frederick D., Memphis, Tenn. Tire. 1,819,891; Aug. 18.
Goodlet, James C., Indianapolis, Ind. Collapsible minnow trap. 1,804,684; May 12.
Goodloe, Alfred, Roanoke, Va., assignor, by mesne assignments, to American Air Filter Company, Inc. Automatic self cleaning automobile filter. 1,806,898; May 26.
Goodloe, Alfred M., Bradford, Pa., assignor, by mesne assignments, to American Air Filter Company, Inc., Louisville, Ky. Humidifier. 1,789,625; Jan. 20.
Goodloe, Alfred M., assignor to Exchange Lumber Company, Roanoke, Va. Translucent panel for lamp shades and other purposes. 1,813,492; July 7.
Goodman, Benson C., Far Rockaway, N. Y. Loom. 1,809,588; June 9.
Goodman, Charlie, assignor to C. H. Hibbe, Chicago, Ill. Transmission of electricity to vehicles. 1,788,572; Jan. 13.
Goodman, Courtney S., assignor. (See Goodman, Nathan J., assignor.)

Goodman, Edwin E., New York, N. Y. Sleeve form for display purposes. 1,808,459; June 2.
Goodman, Elizabeth A., et al., administratrices. (See Goodman, Patrick.)
Goodman, H., & Sons, Inc. (See Rubin, Noah, assignor.)
Goodman, H., & Sons, Inc. (See Vryn, Victor, assignor.)
Goodman, Harry S., and C. Roehri, Chicago, Ill. Convertible vehicle. 1,812,002; June 30.
Goodman, Ira V., Altoona, Pa. Toy table. 1,789,432; Jan. 20.
Goodman, Jacob, Brooklyn, N. Y. Hair waver. 1,816,480; July 28.
Goodman, James A., South Gate, Calif. Pneumatic-tire tool. 1,793,607; Feb. 24.
Goodman, Joseph, New York, N. Y. Automatic ash truck loader. 1,820,698; Aug. 25.
Goodman, Leo A., New York, N. Y. Treating fibrous material. 1,829,702; Oct. 27.
Goodman, Louis, and D. L. Friedman, New York, N. Y. Sewing machine attachment for mending runs in sheer fabrics. 1,819,161; Aug. 18.
Goodman Manufacturing Company. (See Davis, Charles E., assignor.)
Goodman Manufacturing Company. (See Esseltine, Alfred B., assignor.)
Goodman Manufacturing Company. (See Lindgren, Frank A., assignor.)
Goodman Manufacturing Company. (See Pratt, Charles A., assignor.)
Goodman Manufacturing Company. (See Schroder, Robert E., assignor.)
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Goodman Manufacturing Company. (See Wood, Claude O., assignor.)
Goodman, Mary, et al., administratrices. (See Goodman, Patrick.)
Goodman, Max. (See Goodman, S., and M.)
Goodman, Nathan J., assignor to C. S. Goodman, St. Louis, Mo. Hosiery. 1,823,736; Sept. 15.
Goodman, Patrick, deceased, Brooklyn, N. Y.; M. and E. A. Goodman, administratrices. Conduit stopper. 1,814,914; July 14.
Goodman, Rose, Brooklyn, N. Y. Foldable box body. 1,792,370; Feb. 10.
Goodman, Samuel and M., Boston, Mass. Roof flange. 1,818,219; Aug. 11.
Goodman, Samuel, Chicago, Ill., and W. N. Sechler, Fort Scott, Kans. Footwear. 1,806,938; May 26.
Goodnow, John M., Scituate, assignor to Hardware Products Company, Boston, Mass. Adjustable shaft hanger. 1,831,857; Nov. 17.
Goodnow, Theodore H., and Kenneth J. Tobin, Chicago, Ill., assignors to Camel Company. Car door. 1,789,359; Jan. 20.
Goodrich, B. F., Company, The. (See Annis, Burton B., assignor.)
Goodrich, B. F., Company, The. (See Beebe, John D., assignor.)
Goodrich, B. F., Company, The. (See Blaker, Ernest, assignor.)
Goodrich, B. F., Company, The. (See Cadden, Charles C., assignor.)
Goodrich, B. F., Company, The. (See Crawford, Richard A., assignor.)
Goodrich, B. F., Company, The. (See Dales, Benton, assignor.)
Goodrich, B. F., Company, The. (See Davis, George C., assignor.)
Goodrich, B. F., Company, The. (See Drew, Perley R., assignor.)
Goodrich, B. F., Company, The. (See Foerstner, George, assignor.)
Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
Goodrich, B. F., Company, The. (See Garvey, Benjamin S., assignor.)
Goodrich, B. F., Company, The. (See Geer, William C., assignor.)
Goodrich, B. F., Company, The. (See Goodwin, John O., assignor.)
Goodrich, B. F., Company, The. (See Gray, Harold, assignor.)
Goodrich, B. F., Company, The. (See Heldenbrand, Carl H., assignor.)
Goodrich, B. F., Company, The. (See Hoskin, Minard C., assignor.)
Goodrich, B. F., Company, The. (See Karrer, Enoch, assignor.)
Goodrich, B. F., Company, The. (See Kmentt, Waldemar D., assignor.)
Goodrich, B. F., Company, The. (See Kvet, Edward J., assignor.)
Goodrich, B. F., Company, The. (See Leguillon, Charles W., assignor.)
Goodrich, B. F., Company, The. (See L'Hollier, Leslie H., assignor.)
Goodrich, B. F., Company, The. (See MacDonald, Frank J., assignor.)
Goodrich, B. F., Company, The. (See McDowall, James F., assignor.)
Goodrich, B. F., Company. (See Mayne, Robert, assignor.)
Goodrich, B. F., Company, The. (See Pierson, Robert M., assignor.)
Goodrich, B. F., Company, The. (See Reed, Marion C., assignor.)
Goodrich, B. F., Company, The. (See Rehak, James, assignor.)
Goodrich, B. F., Company, The. (See Richardson, C. M., and Howe, assignors.)
Goodrich, B. F., Company, The. (See Schade, James W., assignor.)
Goodrich, B. F., Company, The. (See Schade, J. W., and Trumbull, assignors.)
Goodrich, B. F., Company, The. (See Sears, Edward M., assignor.)
Goodrich, B. F., Company, The. (See Semon, Waldo L., assignor.)
Goodrich, B. F., Company, The. (See Semon, W. L., and Crawford, assignors.)
Goodrich, B. F., Company, The. (See Slusher, Frank, assignor.)
Goodrich, B. F., Company, The. (See Taylor, Bert S., assignor.)
Goodrich, B. F., Company, The. (See Taylor, Joseph I., assignor.)
Goodrich, B. F., Company, The. (See Tittle, Harry W., assignor.)
Goodrich, B. F., Company, The. (See Waner, Harry E., assignor.)
Goodrich, B. F., Company, The. (See Warner, Noah L., assignor.)
Goodrich, B. F., Company, The. (See Williams, Warren K., assignor.)
Goodrich, B. F., Company, The. (See Wilson, George F., assignor.)
Goodrich, B. F., Company. (See Wilson, G. F., and Slabaugh, assignors.)
Goodrich, B. F., Company, The. (See Wydom, Herbert H., assignor.)
Goodrich, B. F., Company. The. (See Young, Harvey L., assignor.)
Goodrich, B. F., Company, The. (See Young, H. L., and Foerstner, assignors.)
Goodrich, B. F., Company, The. (See Zimmerli, W. F., and Semon, assignors.)
Goodrich, Chauncey M., Windsor, Ontario, Canada. Tunnel shield. 1,796,752; Mar. 17.
Goodrich, Chauncey M., Windsor, Ontario, Canada. Scaffold. 1,814,688; July 14.
Goodrich Company, New York, N. Y. Method and apparatus for cutting sheet material into strips. 1,822,209; Sept. 8.
Goodrich, Norris E., assignor to Sanitarium Equipment Company, Battle Creek, Mich. Massaging machine. 1,789,584; Jan. 20.
Goodrich, Norris E., assignor to Sanitarium Equipment Company, Battle Creek, Mich. Therapeutic lamp. 1,811,883; June 30.
Goodrich, Norris E., assignor to Sanitarium Equipment Company, Battle Creek, Mich. Massaging machine. 1,817,553; Aug. 4.
Goodrich, Norris E., and J. Connor, assignors to Sanitarium Equipment Company, Battle Creek, Mich. Therapeutic lamp. Des. 84,636; July 14.
Goodrich, Norris E., assignor to Sanitarium Equipment Company, Battle Creek, Mich. Massaging machine. 1,830,317; Nov. 3.
Goodrich, Robert J. (See Gubelmann, I., Goodrich, and Howell.)
Goodrich, William O., Company et al. (See Long, James S., assignor.)
Goodridge, George E., Reading, assignor to A. H. Ballard, Incorporated, Boston, Mass. Fuel feeding apparatus for liquid fuel burners. 1,819,892; Aug. 18.
Goodrum, Thomas J., Houston, Tex. Fish trap. 1,817,185; Aug. 4.
Goodson, Clyde A., Lincolnton, N. C. Flooring and ceiling tool. 1,801,810; Apr. 21.
Goodson, Henry, Clareton, Wyo. Pitman boxing. 1,822,807; Sept. 8.
Goodspeed, Elvin S., assignor to General Motors Corporation, Detroit, Mich. Hoist. 1,835,563; Dec. 8.
Goodspeed Investment Company. (See Williams, Chester I., assignor.)
Goodwin, Anton, Kingfisher, Okla. Gas motor. 1,836,658; Dec. 15.
Goodwin, Carl W., Wayland, Mass., assignor, by mesne assignments, to American Seal-Kap Corporation, Long Island City, N. Y. Milk bottle capper. 1,803,328; May 5.
Goodwin, Carl W., Natick, Mass., assignor, by mesne assignments, to American Seal-Kap Corporation, Long Island City, N. Y. Bottle capping mechanism. 1,809,842; June 16.
Goodwin, David W., Ocala, Fla. Shoe-display device. 1,791,407; Feb. 3.
Goodwin, George, Brentford, England, assignor to American Gasaccumulator Company, Elizabeth, N. J. Lamp supporting and controlling means for lighthouses and the like. 1,802,145; Apr. 21.
Goodwin, George S. (See Tollerton, W. J., Goodwin, and Leppla.)
Goodwin, Edward J., Haverhill, Mass. Machine for forming heel seat parts on high heeled shoe soles. 1,835,489; Dec. 8.

Goodwin, Ernest G., Pelham, assignor to Standard Coupler Company, New York, N. Y. Car construction. 1,828,563; Oct. 20.
Goodwin, Harley E., Hartford, Conn. Bathtub seat and hand rest. 1,805,622; May 19.
Goodwin, Harley E., assignor to The Goodwin Manufacturing Company, Hartford, Conn. Shears. 1,799,624; Apr. 7.
Goodwin, Harry B., assignor to The Latimer-Goodwin Chemical Company, Grand Junction, Colo. Method of making arsenical compounds. 1,836,963; Dec. 15.
Goodwin, James E., Cedar Bluff, Va. Automatic fire alarm. 1,805,946; May 19.
Goodwin, John O., Akron, assignor to Seiberling Rubber Company, Barberton, Ohio. Fabric-slitting machine. 1,791,307; Feb. 3.
Goodwin, John O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for molding articles of plastic material. 1,836,752; Dec. 15.
Goodwin, Leroy A. (See Hirst, Maurice, assignor.)
Goodwin Manufacturing Company, The. (See Goodwin, Harley E., assignor.)
Goodwin, Marion F., Bamberg, S. C. Tellurian. 1,829,829; Nov. 3.
Goodwin, Norris, and N. M. Mumper, assignors to Industrial Process Company, Los Angeles, Calif. Retort and improved valve construction therefor. 1,834,305; Dec. 1.
Goodwin, Ralph T., Elizabeth, N. J., assignor to Standard Oil Development Company. Carbonaceous product. 1,812,589; June 30.
Goodwin, Robert K., Redfield, Iowa. Automatic stoker for kilns. 1,797,608; Mar. 24.
Goodwin, William G. (See Johnson, Victor E., assignor.)
Goodwin, William G,, Royal Oak, Mich. Casting. 1,828,495; Oct. 20.
Goodwin, William M., Central Square, N. Y. Poppet valve for internal combustion engines. 1.834,836; Dec. 1.
Goodwin, Winslow, assignor to Crowe Name Plate & Manufacturing Co., Chicago, Ill. Radio tuning mechanism. 1,812,525; June 30.
Goodyear, Charles H., Portland, Oreg. Collapsible box. 1,817,135; Aug. 4.
Goodyear, Edward J., Wilkinsburg, Pa. Piston ring. 1,838,669; Dec. 29.
Goodyear, Ernest F., and J. Wright, Foleshill, Coventry, assignors to Dunlop Rubber Company Limited, Birmingham, England. Disk wheel. 1,788,431; Jan. 13.
Goodyear Tire & Rubber Company, The. (See Andrews, George G., assignor.)
Goodyear Tire & Rubber Company, The. (See Armstrong, Harvey C., assignor.)
Goodyear Tire & Rubber Company, The. (See Ayers, Kreigh B., assignor.)
Goodyear Tire & Rubber Company, The. (See Berwick, Jo D., assignor.)
Goodyear Tire & Rubber Company, The. (See Brittain, Harold A., assignor.)
Goodyear Tire & Rubber Company, The. (See Brunner, Elmer F., assignor.)
Goodyear Tire & Rubber Company, The. (See Bruson, Herman A., assignor.)
Goodyear Tire & Rubber Company, The. (See Burdette, Richard S., assignor.)
Goodyear Tire & Rubber Company, The. (See Burkley, Clement J., assignor.)
Goodyear Tire & Rubber Company, The. (See Burrell, George R., assignor.)
Goodyear Tire & Rubber Company, The. (See Campbell, Wallace H., assignor.)
Goodyear Tire & Rubber Company, The. (See Clifford, Albert M., assignor.)
Goodyear Tire & Rubber Company, The. (See Cooper, J. F., and Cameron, assignors.)
Goodyear Tire & Rubber Company, The. (See Cummings, Arthur D., assignor.)
Goodyear Tire & Rubber Company, The. (See Daniel, Thomas L., assignor.)
Goodyear Tire & Rubber Company, The. (See Darrow, Burgess, assignor.)
Goodyear Tire & Rubber Company, The. (See Davis, Paul A., assignor.)
Goodyear Tire & Rubber Company, The. (See Day, Ralph B., assignor.)
Goodyear Tire & Rubber Company, The. (See Disney, George E., assignor.)
Goodyear Tire & Rubber Company, The. (See Evans, Rhys D., assignor.)
Goodyear Tire & Rubber Company, The. (See Gerstenslager, William H., assignor.)
Goodyear Tire & Rubber Company. (See Gladwin, L. H., and Bruce, assignors.)
Goodyear Tire & Rubber Company, The. (See Gordon, John T., assignor.)
Goodyear Tire & Rubber Company, The. (See Gracia, Albert J., assignor.)
Goodyear Tire & Rubber Company, The. (See Haase, Jorgen I., assignor.)
Goodyear Tire & Rubber Company, The. (See Handy, George A., assignor.)
Goodyear Tire & Rubber Company, The. (See Harpfer, Donald E., assignor.)
Goodyear Tire & Rubber Company, The. (See Jenkinson, Ross E., assignor.)
Goodyear Tire & Rubber Company, The. (See Johnson, Ray M., assignor.)
Goodyear Tire & Rubber Company, The. (See Kavenagh, William E., assignor.)
Goodyear Tire & Rubber Company, The. (See Kimmich, Elmer G., assignor.)
Goodyear Tire & Rubber Company, The. (See Kirk, Raphael S., assignor.)
Goodyear Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
Goodyear Tire & Rubber Company, The. See Lauter, Werner M., assignor.)
Goodyear Tire & Rubber Company, The. (See Leavenworth, William H., assignor.)
Goodyear Tire & Rubber Company, The. (See Maas, Elov F., assignor.)
Goodyear Tire & Rubber Company, The. (See Maas, E. F., and Snyder, assignors.)
Goodyear Tire & Rubber Company, The. (See Meyer, Frank H., assignor.)
Goodyear Tire & Rubber Company, The. (See Musselman, Alvin J., assignor.)
Goodyear Tire & Rubber Company, The. (See Nelson, Max C., assignor.)
Goodyear Tire & Rubber Company, The. (See Ney, Adolphe H., assignor.)
Goodyear Tire & Rubber Company, The. (See Sebrell, Lorin B., assignor.)
Goodyear Tire & Rubber Company, The. (See Shively, Jess A., assignor.)
Goodyear Tire & Rubber Company, The. (See Sloteman, Donald K., assignor.)
Goodyear Tire & Rubber Company, The. (See Snyder, Robert W., assignor.)
Goodyear Tire & Rubber Company, The. (See State, Will C., assignor.)
Goodyear Tire & Rubber Company, The. (See Templeton, E. G., and Glennon, assignors.)
Goodyear Tire & Rubber Company, The. (See Teppema, Jan, assignor.)
Goodyear Tire & Rubber Company, The. (See Teppema, J., and Sebrell, assignors.)
Goodyear Tire & Rubber Company, The. (See Van Arsdale, Clarence A., assignor.)
Goodyear Tire & Rubber Company, The. (See Van Rennes, Cornelis, assignor.)
Goodyear Tire & Rubber Company, The. (See Wetmore, L., and Riggs, assignors.)
Goodyear Tire & Rubber Company, The. (See Weyrick. Warren B., assignor.)
Goodyear Tire & Rubber Company, The. (See Wolfe, William D., assignor.)
Goodyear Tire & Rubber Company, The. (See Woodward, Alva W., assignor.)
Goodyear Tire & Rubber Company, The. (See Zimmerman, Charles H., assignor.)
Goodyear-Zeppelin Corporation. (See Arnstein, K., Helma, and Bauch, assignors.)
Goodyear-Zeppelin Corporation. (See Bauch, K., and Helma, assignors.)
Goodyear Zeppelin Corporation. (See Helma, P., and Arnstein, assignors.)
Goodyear-Zeppelin Corporation. (See Rieger, Leonz P. A., assignor.)
Goodyear's Inc. (See Van Horn, Earl, assignor.)
Goodyear's India Rubber Glove Manufacturing Company, The. (See Bell, Harry A., assignor.)
Goodyear's India Rubber Glove Manufacturing Company, The. (See Bitgood, Lucille M., assignor.)
Goodyear's India Rubber Glove Manufacturing Company, The. (See Cairns, William F., assignor.)
Goodyear's India Rubber Glove Mfg. Company, The. (See Dean, Frederick R., assignor.)
Goodyear's India Rubber Glove Mfg. Co., The. (See Gourley, George F., assignor.)
Goodyear's India Rubber Glove Manufacturing Company, The. (See Gusken, Henry J., assignor.)
Goodyear's India Rubber Glove Manufacturing Company, The. (See Heilhecker, Eugene C., assignor.)
Goodyear's India Rubber Glove Mfg. Company, The. (See Holmberg, A. W., and Watkins, assignor.)
Goodyear's India Rubber Glove Manufacturing Company, The. (See Manville, Henrietta P., assignor.)
Goodyear's India Rubber Glove Manufacturing Company, The. (See Rosell, Henry E., assignor.)
Goodyear's India Rubber Glove Mfg. Company, The. (See Zonino, Frederick, assignor.)
Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation. Paterson, N. J. Punching and fastener-inserting apparatus. 1,821,151; Sept. 1.
Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-setting machine. 1,823,894; Sept. 22.
Gookin, William C., Corydon, Iowa. Beet topper. 1,815,503; July 21.
Gooskens, Henricus, and P. Leydens, Eindhoven, Netherlands, assignors to General Electric Company, Schenectady, N. Y. Manufacture of electric incandescent lamps or similar devices. 1,799,743; Apr. 7.
Gooskens, Henricus, and J. M. van der Poel, Eindhoven, Netherlands, assignors to General Electric Company. Basing apparatus. 1,817,746; Aug. 4.

Goosman, Herbert J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubrication of sewing machines. 1,830,104; Nov. 3.
Goosman, Herman W., assignor to Sem-Pray Jo-ve-Nay Co., Grand Rapids, Mich. Container. 1,838,390; Dec. 29.
Goosmann, Justus C., Chicago, Ill. Dual-effect compression method and apparatus for producing carbon dioxide snow. 1,795,772; Mar. 10.
Goost, Theodor. (See Lommel, W., Goost and Friedrich.)
Gopfert, Heinrich, Apolda, Germany. Knitting machine. 1,822,024; Sept. 8.
Goranson, David. (See Goranson, Hjalmar and D.)
Goranson, Hjalmar and D., San Jose, assignors to California Packing Corporation, San Francisco, Calif. Fruit peeling machine. 1,836,320; Dec. 15.
Gorden, Kenneth, Norton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Production of hydrogen and gases containing hydrogen. 1,836,659; Dec. 15.
Gordon, Aaron. (See Lipman, C. B., and Gordon.)
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Automatic pick-and-pick loom. 1,803,181; Apr. 28.
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread extractor for weft replenishing looms. 1,817,136; Aug. 4.
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for looms. 1,817,137; Aug. 4.
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle changing pick and pick loom. 1,817,138; Aug. 4.
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom dobby. 1,817,139; Aug. 4.
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom dobby. 1,826,311; Oct. 6.
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Combined thread holder and cutter. 1,826,312; Oct. 6.
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Dobby finger for looms. 1,826,313; Oct. 6.
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutting mechanism. 1,830,271; Nov. 3.
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical warp stop motion. 1,832,542; Nov. 17.
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Filling stop motion for looms. 1,832,543; Nov. 17.
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Controller for ejected bobbins for weft replenishing looms. 1,832,544; Nov. 17.
Gordon, Beirne, jr., assignor to Skenandoa Rayon Corporation, Utica, N. Y. Manufacture of artificial silk. 1,800,830; Apr. 14.
Gordon, Beirne, jr., assignor to Skenandoa Rayon Corporation, Utica, N. Y. Perforated bobbin. 1,834,915; Dec. 1.
Gordon, Charles W., Pleasantville, assignor to The Superheater Company, New York, N. Y. Temperature-indicating means. 1,792,086; Feb. 10.
Gordon, Charles W., Pleasantville, assignor to The Superheater Company, New York, N. Y. Boiler. 1,807,238; May 26.
Gordon, Charles W., Pleasantville, assignor to The Superheater Company, New York, N. Y. Boiler with superheater. 1,808,951; June 9.
Gordon, Charles W., Pleasantville, assignor to The Superheater Company, New York, N. Y. Boiler. 1,818,390; Aug. 11.
Gordon, Douglas B., Hamilton, Ontario, Canada. Display device. 1,807,403; May 26.
Gordon, Eugenia S., New Rochelle, N. Y. Window-cleaning device. 1,790,466; Jan. 27.
Gordon, Harry J., Montreal, Quebec, Canada. Lock mechanism. 1,823,650; Sept. 15.
Gordon, Herman L., assignor of one-half to C. Wennett, Boston, Mass. Flange. 1,794,955; Mar. 3.
Gordon, Hiram. (See Rogge, A. C., and Gordon.)
Gordon, James, Chicago, Ill. Ironing machine. 1,795,023; Mar. 3.
Gordon, James, Sorrento, Argentina. Stop gauge. 1,823,268; Sept. 15.
Gordon, James C., Los Angeles, Calif. Air control for internal combustion engines. 1,804,605; May 12.
Gordon, John T., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Carton-sealing machine. 1,797,191; Mar. 17.
Gordon, Lester D., Chicago, Ill. Elastic exerciser. 1,790,267; Jan. 27.
Gordon, Maurice B., Roselle, N. J. Design producing device. 1,822,808; Sept. 8.
Gordon, Morris E., Chelsea, Mass. Pencil pocket for garments. 1,801,233; Apr. 14.
Gordon, Newell T., Schenectady, N. Y., assignor to General Electric Company. Lamp. 1,812,745; June 30.
Gordon, Ray F., and J. S. Gwaltney, Suffolk, Va. Air cleaner. 1,820,795; Aug. 25.
Gordon, Ross E., Louisville, Ky. Building. Des. 83,155; Jan. 27.
Gordon, Samuel, Brooklyn, N. Y. Toy. Des. 84,637, July 14.
Gordon, Samuel, Far Rockaway, N. Y., assignor to International Dry Refrigeration Corporation, Wilmington, Del. Dry-ice dispenser. 1,798,254; Mar. 31.
Gordon, Samuel W., Canal Fulton, Ohio. Swabbing-barrel attachment. 1,799,971; Apr. 7.
Gordon, Theodore W., Schenectady, N. Y., assignor to General Electric Company. Thrust bearing. 1,825,519; Sept. 29.
Gordon, William, Union, N. J. Pen and pencil clip. 1,813,396; July 7.
Gordon, William, Union, N. J. Clip for pens, pencils and the like. 1,834,151; Dec. 1.
Gordon, William R., Detroit, Mich. Bumper cushion for motor vehicles. 1,789,039; Jan. 13.
Gordyn, Cornelius, jr., and H. van der Molen, Amsterdam, Netherlands. Self-disinfecting brush. 1,798,081; Mar. 24.
Gore, Herbert C., Scarsdale, and C. N. Frey, New York, N. Y., assignors to Standard Brands Incorporated, Dover, Del. Food product. 1,802,645; Apr. 28.
Gore, Herbert C., Scarsdale, and C. N. Frey, New York, N. Y., assignors, by mesne assignments, to Standard Brands Incorporated, Dover, Del. Measuring proteolytic activity. 1,815,709; July 21.
Gorham Mfg. Co. (See Jenks, Barton P., assignor.)
Gorham Mfg. Co. (See Staf, Axel H., assignor.)
Gorham, Walter G. (See Trobridge, G. W., Murphy, Twiss, and Gorham.)
Gorham, Walter G. (See Willshaw, H., and Gorham.)
Gorham, Walter G. (See Willshaw, H., Gorham, and Ramsbottom.)
Gorhan, Adolf, Liesing, near Vienna, Austria, assignor, by mesne assignments, to the Firm of Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Concentrating volatile aliphatic acids. 1,808,600; June 2.
Gorie, William J. (See Wiecke, A. R., Gorie, and Lange.)
Gorin, Frederick P., Seattle, Wash. Card index. 1,832,295; Nov. 17.
Goriup, Frank J., assignor to Wolverine Supply & Manufacturing Company, Pittsburgh, Pa. Mechanical toy. 1,793,480; Feb. 24.
Goriup, Frank J., assignor to Wolverine Supply & Manufacturing Company, Pittsburgh, Pa. Musical toy. 1,816,647; July 28.
Gorman, Benjamin H. (See Sopkin, H., and Gorman.)
Gorman, Horace P., Rye, N. Y. Friction gearing. 1,790,539; Jan. 27.
Gormley, Frank L., Chicago, assignor to The Buda Company, Harvey, Ill. Lifting jack. 1,798,878; Mar. 31.
Gormley, Frank L., Chicago, assignor to The Buda Company, Harvey, Ill. Ratchet jack. 1,798,879; Mar. 31.
Gormly, Samuel, Coraopolis, Pa., assignor to Forster Manufacturing Company. Gas cannon. 1,789,585; Jan. 20.
Gorneman, Carl, Camden, N. J. Razor blade holder. 1,837,123; Dec. 15.
Görner, Arthur, assignor to the Firm Pluschweberei Grefrath Aktiengesellschaft, Grefrath near Krefeld, Germany. Device for printing colored patterns on plush and like fabrics. 1,815,504; July 21.
Görner, Arthur, assignor to the Firm: Plüschweberei Grefrath Aktiengesellschaft, Grefrath near Krefeld, Germany. Apparatus for printing colored patterns on plush fabrics or the like. 1,821,302; Sept. 1.
Gornick, Hugo, Charlottenburg, Germany. Device for measuring slight forces. 1,819,089; Aug. 18.
Gorr, Walter O., assignor to W. W. Harts, jr., and C. B. Harts, New York, N. Y. Stencil hand stamp. 1,789,433; Jan. 20.
Gorr, Walter O., assignor to R. C. Dunbar, C. B. Harts, and E. K. Ferriss, New York, N. Y. Stencil hand stamp. 1,789,463; Jan. 20.
Gorsline, Hathaway M., Indianapolis, Ind. Muffler. 1,822,990; Sept. 15.
Gorsuch, Edgar H., and F. F. Slack, assignors to Corduroy Tire Company, Grand Rapids, Mich. Tire. Des. 85,580; Nov. 17.
Gorsuch, Howard F. (See Hughes, A. S., and Gorsuch.)
Gorsuch, Howard F., and E. Wickstrom, Galion, assignors to The Hughes-Keenan Co., Mansfield, Ohio. End gate for dump wagons or trucks. 1, 788,999; Jan. 13.
Gorsuch, Hubert E., Springfield, Ohio. Combined thermometer and paper clamp. Des. 84,413; June 16.
Gorsuch, Robert A., assignor to The Congor Mfg. Company, Gambier, Ohio. Shipping box and brooder for baby chicks. 1,813,847; July 7.
Gorsuch, Robert A., assignor to The Congor Mfg. Company, Gambier, Ohio. Unfolding construction for brooders and other inclosures. 1,818,320; Aug. 11.
Gorsuch, Robert A., assignor to The Congor Mfg. Company, Gambier, Ohio. Combination shipping box and feeder. 1,831,444; Nov. 10.
Gortner, James E., Shamokin, Pa. Radiator fin winding machine. 1,830,357; Nov. 3.
Gorton, George, Racine, Wis. Engraving machine and the like. 1,797,139; Mar. 17.
Gorton, George, 3d. (See Gorton, George and G., 3d.)
Gorton, George and G., 3d, Cement, Okla. Engraving and other machine. 1,790,581; Jan. 27.

Gosch, Harry E., assignor to Creo-Dipt Company, Inc., North Tonawanda, N. Y. Draining apparatus. 1,800,523; Apr. 14.
Gosch, Harry E., assignor to Creo-Dipt Company Inc., North Tonawanda, N. Y. Apparatus for impregnating bundles of shingles and the like. 1,812,291; June 30.
Gosch, Harry E., assignor to Creo-Dipt Company Inc., North Tonawanda, N. Y. Treating shingles and the like. 1,829,796; Nov. 3.
Gosch, William H., assignor to The Nolde and Horst Company, Reading, Pa. Stretching machine for stockings. 1,817,617; Aug. 4.
Gosch, William H., assignor to The Nolde and Horst Company, Reading, Pa. Hank bundling mechanism. 1,817,618; Aug. 4.
Goshen Manufacturing Company, The. (See Weaver, Earl L., assignor.)
Goshorn, John C. (See Monro, R., and Goshorn.)
Goslin, Herbert G., Battle Creek, Mich. Roofing. 1,787,622; Jan. 6.
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lamp support. Des. 82,985; Jan. 6.
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Floor lamp. Des. 83,532; Mar. 3.
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lighting standard. Des. 85,331; Oct. 13.
Gosmann, Walter, Dortmund, Germany. Incandescent gas light miner's lamp. 1,803,756; May 5.
Goss, Byron C., Cleveland, Ohio. Bank vault ventilator system. 1,805,332; May 12.
Goss, Byron C., Cleveland, Ohio. Gas containing projectile or long range tear gas shell. 1,819,090; Aug. 18.
Goss, Byron C., Cleveland, Ohio, assignor to The Lake Erie Chemical Company. Gelatin-composition container. 1,792,010; Feb. 10.
Goss and Deleseuw Machine Company, The. (See Spring, Joseph J., assignor.)
Goss, Harold J., assignor to The International Paper Box Machine Company, Nashua, N. H. Spot gluer for box-making machines. 1,793,082; Feb. 17.
Goss, Harold J., assignor to The International Paper Box Machine Company, Nashua, N. H. Blank preparing mechanism for box making machines. 1,803,698; May 5.
Goss, Harold J., assignor to The International Paper Box Machine Company, Nashua, N. H. Machine for applying strips to blanks. 1,803,699; May 5.
Goss, Harry T., Rutherford, N. J., assignor to Pack Shops, Inc., New York, N. Y. Circular vending machine. 1,807,404; May 26.
Goss, Harry T., Rutherford, N. J., assignor to Universal Gear Shift Corporation, New York, N. Y. Pneumatic gear shift control. 1,817,365; Aug. 4.
Goss, Henry F., Sacramento, Calif. Carrying fork attachment for clay products. 1,821,798; Sept. 1.
Goss, John H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Floating trim stud. 1,811,788; June 23.
Goss Printing Press Company. (See Becker, William E., assignor.)
Goss Printing Press Company. (See Brueshaber, Martin W., assignor.)
Goss Printing Press Company. (See Cox, Paul F., assignor.)
Goss Printing Press Company. (See Crafts, Curtis S., assignor.)
Goss Printing Press Company. (See Evensen, William, assignor.)
Goss Printing Press Company, The. (See Fankboner, Harland, assignor.)
Goss Printing Press Company, The. (See Lang, Hubert, assignor.)
Goss Printing Press Company. (See Laycock, Kenneth G., assignor.)
Goss Printing Press Company. (See Schroeder, Hans C., assignor.)
Goss Printing Press Company, The. (See Smith, Ernest J., assignor.)
Goss, Worth C., Seattle, Wash. Incandescent lamp. 1,824,429; Sept. 22.
Gossard, Sarah L., Los Angeles, Calif. Self propelled scooter. 1,832,018; Nov. 17.
Gossart, Firmin, Paris, France. Illuminated show case. 1,816,524; July 28.
Gosselin, Albert, Monterau, assignor to Société l'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procedés Georges Claude, St. Lazare, Paris, France. Regeneration of carbonated ammoniacal solutions. 1,790,303; Jan. 27.
Gosselin, Henry G., assignor to Berlin Foundry and Machine Company, Berlin, N. H. Economizer. 1,822,397; Sept. 8.
Gossrau, Gotthard. (See Jaeger, M., Pokorny, and Gossrau.)
Gotham Knitbac Machine Corporation. (See De Leeuw, Adolph L., assignor.)
Gotham Knitbac Machine Corporation. (See Leavin, William H., assignor.)
Gotham Knitbac Machine Corporation. (See Leavin, William H. and S. B., assignors.)
Gotham Knitbac Machine Corporation. (See McCann, Michael, assignor.)
Gotham Knitbac Machine Corporation. (See Parlini, Alexander C., assignor.)
Gotham Silk Hosiery Company. (See Carfrey, James J., assignor.)
Gotham Silk Hosiery Company. (See Redcay, Paul D., assignor.)
Gott, Sam A., and F. G. Dyer, assignors to Dry Steam Appliance Co. Inc., San Francisco, Calif. Steam-applying device. 1,796,866; Mar. 17.
Gottfried, Charles, New York, N. Y. Automatic flow-controller. 1,808,163; June 2.
Gotthardt, Henry R., Louisville, Ky., and W. E. Cain, Jeffersonville, Ind., assignors to Logan Co., Inc., Louisville, Ky. Selective deflecting switch. 1,808,134; June 2.
Gotthardt, Henry R., Louisville, Ky., and W. E. Cain, Jeffersonville, Ind., assignors to Logan Co., Inc., Louisville, Ky. Automatic vertical elevator. 1,808,135; June 2.
Gottlieb, David, Chicago, Ill. Ash tray. Des. 85,093; Sept. 15.
Gottlieb, Oscar F., Indianapolis, Ind. Tire carrier. 1,836,465; Dec. 15.
Gottlieb, Ulrich L., New York, N. Y. Cigarette and apparatus and method for producing the same. 1,798,411; Mar. 31.
Gottschalk, Paul, assignor to United Cigarette Machine Company Aktiengesellschaft, Dresden, Germany. Device for reversing cigarettes. 1,787,901; Jan. 6.
Gottschalk, Paul, assignor to United Cigarette Machine Company Aktiengesellschaft, Dresden, Germany. Turning cigarettes and like shaped articles when packing same. 1,800,290; Apr. 14.
Gottschalk, Paul, assignor to United Cigarette Machine Company Aktiengesellschaft, Dresden, Germany. Apparatus for turning cigarettes and similar rod-shaped articles right-side up when feeding same to packing machines. 1,807,738; June 2.
Gottwald, Christian, assignor to The Ric-Wil Company, Cleveland, Ohio. Water repellent packing material. 1,801,500; Apr. 21.
Gottwald, Christian, assignor to The Ric-Wil Company, Cleveland, Ohio. Fitting for conduit systems. 1,826,877; Oct. 13.
Gotwals, Clayton K. (See Pupp, Max B., assignor.)
Götz, Richard, Berlin-Gross-Lichterfelde, Germany. Needle bearing. Re18,080; May 26.
Goudard, Maurice, assignor to Societe Anonyme Solex, Neuilly-sur-Seine, France. Carburetor. 1,803,012; Apr. 28.
Goudeau, Eric O., Detroit, Mich. Holding support for baby swings. 1,806,454; May 19.
Goudet, Hughes. (See Bethenod, J., and Goudet.)
Goudey, Enos G., Allston, Mass., D. A. Stevens, Providence, R. I., and L. C. Crafts, Portland, Me. Display sign. 1,809,688; June 9.
Goudie, George A., Los Angeles, Calif. Laundry-marking tag. 1,796,365; Mar. 17.
Goudy, Carl F., Flushing, assignor to Pacent Electric Company, Inc., New York, N. Y. Phonograph adapter. 1,792,830; Feb. 17.
Goudy, Carl F., Flushing, and O. B. Parker, Brooklyn, assignors to Pacent Electric Company, Inc., New York, N. Y. Device for converting energy. 1,831,787; Nov. 10.
Gough, Achilles C., Pocatello, Idaho. Gaff hook. 1,818,474; Aug. 11.
Gough Aircraft Corporation. (See Gough, Frank E., assignor.)
Gough, Frank E., Oklahoma City, Okla., assignor to Gough Aircraft Corporation. Packing internal-combustion engines. 1,799,294; Apr. 7.
Gough, Fred J. (See Ballard, B. T., and Gough.)
Gough, Fred J. (See Brookby, H. E., and Gough.)
Gough, Fred J. (See King, G. D., and Gough.)
Goughnour, Walter B., Mankato, assignor of thirty per cent to W. F. Kirby, Kasota, Minn. Wheel. 1,831,297; Nov. 10.
Gouinlock, Harold. (See Taylor, George L., assignor.)
Gould, Charles E., W. M. Hampton, and H. S. Martin, assignors to Chance Brothers and Co. Limited, West Smethwick, England. Glass. 1,814,507; July 14.
Gould, Charles W., assignor by mesne assignments, to C. A. Marsh & Co. Inc., Attleboro, Mass. Necktie holder. 1,803,110; Apr. 28.
Gould Coupler Company, The. (See Barrows, Donald S., assignor.)
Gould Coupler Company, The. (See Couch, Glenn F., assignor.)
Gould Coupler Company, The. (See Davis, Donald C., assignor.)
Gould Coupler Company, The. (See Kadel, Byers W., assignors.)
Gould Coupler Company, The. (See Richards, Willard F., assignor.)
Gould Coupler Company. (See Sauvage, William H., assignor.)
Gould, Douglas. (See Karrick, L. C., and Gould.)
Gould & Eberhardt. (See Jacobson, H. W., and Demeillers, assignors.)
Gould & Eberhardt. (See Zimmerman, William F., assignor.)

Gould, George M., Brooklyn, N. Y. Temporary cover for bathtubs and other plumbing fixtures. 1,790,806; Feb. 3.
Gould, Harry G., Oshkosh, Wis. Rocking toy. Des. 85,430; Oct. 27.
Gould, Harry G., Oshkosh, Wis. Rocking toy. Des. 85,431; Oct. 27.
Gould, John R., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,788,517; Jan. 13.
Gould, Lawrence E., Chicago, and J. T. Lake, Wilmette, assignors to Economy Electric Devices Co., Chicago, Ill. Fuel metering apparatus. 1,804,557; May 12.
Gould, Robert D., Detroit, Mich. Stencil. 1,809,199; June 9.
Gould, Roy F. (See Schomaker, G. E., and Gould.)
Gould, Sidney B., New York, N. Y. Vehicle construction. 1,807,525; May 26.
Gould Storage Battery Corporation. (See Booss, F. E. E., and Chamberlain, assignors.)
Gould Storage Battery Corporation. (See Friedrich, Paul O. E., assignor.)
Gould Storage Battery Corporation. (See Hubbard, Albert S., assignor.)
Gould Storage Battery Corporation. (See Klock, Raymond A., assignor.)
Gould, William C., Los Angeles, Calif. Speed control for electrical typewriters. 1,798,790; Mar. 31.
Gouldbourn, Joseph, and R. B. Woodcock, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on welting. 1,815,471; July 21.
Goulding, Albanus W., Trenton, N. J., assignor of one-half to C. Reeves, New York, N. Y. Septic tank. 1,812,401; June 30.
Goulds Pumps Incorporated. (See Pomeroy, William D., assignor.)
Goulet, Henry F., Walpole, Mass. Display stand. 1,823,396; Sept. 15.
Gourdeau, John G., Lawrence, assignor to Davis & Furber Machine Company, North Andover, Mass. Hand card. 1,792,831; Feb. 17.
Gourdon, Georges, Montmorency, France. Method and apparatus for capturing insects. 1,819,551; Aug. 18.
Gourley, George F., Baldwin, N. Y., assignor to The Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn. Rubber and fabric footwear article and making. 1,801,771; Apr. 21.
Gourley, Glenn T. (See Brainard, G. C., and Gourley.)
Gouverneur, Minor F. H., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator cutter and treating insulators. 1,808,105; June 2.
Gouverneur, Minor F. H., assignor to Locke insulator Corporation, Baltimore, Md. Insulator link connecter. 1,831,765; Nov. 10.
Gove, Edwin J., Youngstown, Ohio, assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Controller for electric motors. 1,789,069; Jan. 13.
Gover, James C., Newton, Iowa. Primer for internal combustion engines. 1,826,771; Oct. 13.
Government and the People of the United States of America. (See Dantzig, T., and Peterson, assignors.)
Government and the People of the United States of America. (See Groggins, Philip H., assignor.)
Government and the People of the United States of America. (See Roark, R. C., and Cotton, assignors.)
Government and the People of the United States of America, The (Dedicated). (See Wyman, Lenthall.)
Governor and Company of Adventurers of England Trading Into Hudson's Bay. (See Sharpe, George G., assignor.)
Govers, Francis X., assignor to Indian Refining Company, Lawrenceville, Ill. Recovering and purification of lubricating oils from mineral oils. 1,802,942; Apr. 28.
Govers, Francis X., assignor to Indian Refining Company, Lawrenceville, Ill. Heat transfer tube. 1,804,465; May 12.
Govett, Ernest, assignor to Govett, Ltd., New York, N. Y. Preparation of colloidal halogens. 1,810,104; June 16.
Govett, Ltd. (See Govett, Ernest, assignor.)
Govil, Hari G., Brooklyn, N. Y. Perpetual calendar. 1,802,344; Apr. 28.
Govoni, Philip, Wareham, Mass. Razor blade hone. Des. 85,642; Dec. 1.
Gowen, Jessie L., Colfax, Wash. Jar lid remover. 1,838,141; Dec. 29.
Gowie, William, assignor to The Harvard Company, Canton, Ohio. Electrical distributing and control apparatus for dental instruments and the like. 1,796,097; Mar. 10.
Grab, Gustav A., assignor, by mesne assignments, to Willamette-Ersted Company, Portland, Oreg. Flexible grappling bar for lumber carriers. 1,798,412; Mar. 31.
Grab, Gustav A., assignor to Willamette-Ersted Company, Portland, Oreg. Fork for motor vehicles. 1,815,770; July 21.
Grab, Gustav A., assignor, by mesne assignments, to Williamette-Ersted Company, Portland, Oreg. Lifting mechanism for traversing hoists. 1,838,939; Dec. 29.
Graban, Boleslaus, Chicago, Ill. Car washing machine. 1,814,551; July 14.
Grabarse, Manfred. (See Michael, F., and Grabarse.)
Grabber Manufacturing Company, The. (See McAvoy, Dan J., assignor.)
Grabfield, John J. (See Gans, Robert S., assignor.)
Grabill, John D., Woodstock, Va. Sorting apparatus. 1,804,096; May 5.
Grabler Manufacturing Company, The. (See McCabe, Frank E., assignor.)
Grabler, Peter, Rocky River, Ohio. Spring. 1,831,594; Nov. 10.
Grabler, Peter, Rocky River, and W. Grabler, Mansfield, Ohio. Flush valve. 1,821,799; Sept. 1.
Grabler, William. (See Grabler, P. and William.)
Grabow, Edward E. (See Dreier, Dominick, assignor.)
Grabowska, Frank, Leola, S. Dak. Haystacker. 1,787,518; Jan. 6.
Grabowski, Julia M., Waukesha, Wis. Eyelash curler. 1,836,710; Dec. 15.
Grabowsky, John F., Stevens Point, Wis. Apparatus for regulating the consistency of paper stock. 1,819,552; Aug. 18.
Grace, Esco D. (See Davis, William I., assignor.)
Grace, Gordon B., and L. P. Lansing, San Francisco, Calif. Meat broiler. 1,830,024; Nov. 3.
Grace, John F., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Condenser. 1,796,708; Mar. 17.
Grace, John F., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Precooler for vacuum pumps. 1,812,590; June 30.
Grace, John F., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Condenser. 1,812,591; June 30.
Grace, John F., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Sampler. 1,837,858; Dec. 22.
Grace, John F., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Condenser. 1,837,859; Dec. 22.
Grace, John F., Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Condenser. 1,837,860; Dec. 22.
Grace, John F., Kearny, N. J., assignor to Worthington Pump and Machinery Corporation. Feed water heater. 1,816,841; Aug. 4.
Grace, John F., Kearny, N. J., assignor to Worthington Pump and Machinery Corporation. Feed water heater. 1,817,075; Aug. 4.
Grace, Richard W., assignor to The Superior Switchboard & Devices Company, Canton, Ohio. Test clip. 1,808,545; June 2.
Grace, Worthington T. (See Taylor, E. A., and Grace.)
Grace, Worthington T., Willoughby, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Purifying technical ammonium chloride liquors. 1,823,097; Sept. 15.
Gracey, Frank P., Augusta, Ga. Rug displaying and removing mechanism. 1,791,355; Feb. 3.
Gracia, Albert J., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Use of amines as rubber coagulants. 1,797,192; Mar. 17.
Gradl Josef, Huckingen-on-the- Rhine, assignor to the Firm Manesmannrohren-Werke, Dusseldorf, Germany. Welded spigot and socket joint. 1,816,770; July 28.
Grady, Charles H. (See Bahner, C., and Grady.)
Grady, Frank R., assignor to Eureka Fire Hose Manufacture Company, Jersey City, N. J. Expanding apparatus. 1,795,487; Mar. 10.
Grady, Robert F., jr., Chicago, Ill. Method and apparatus for producing decorative effects by spotting or mottling. 1,825,227; Sept. 29.
Grady, William H., assignor to American Creosoting Company, Louisville, Ky. Tie basket. 1,833,569; Nov. 24.
Graebner, Otto F. (See McDowell, L. A., and Graebner.)
Graefe, Walter L., Griffin, Ga. Treating pimiento peppers. 1,797,140; Mar. 17.
Graeff, Charles M., Harrisburg, Pa. Mail bag parachute. 1,821,433; Sept. 1.
Graetzer, Otto, Zurich-Zollikon, Switzerland. Electrical water-heating apparatus having electrodes. 1,788,669; Jan. 13.
Graf, Albert J., Westfield, N. J., assignor to R. Hoe & Co., New York, N. Y. Lithographic printing machine. 1,836,023; Dec. 15.
Graf Co. (See Zellweger, Gustav, assignor.)
Graf, Franz, Baden, Switzerland. Electric hot water distributor. 1,817,366; Aug. 4.
Graf, Raymond I., East Grand Rapids, Mich. Automobile door lock handle. 1,803,609; May 5.
Graff, George, assignor to The Dura Company, Toledo, Ohio. Combination fountain pen holder and base. Des. 85,643; Dec. 1.
Graff, George, assignor to The Dura Company, Toledo, Ohio. Combination fountain pen holder and base. Des. 85,644; Dec. 1.
Graff, George B., Company. (See Graff, L. S., and Stewart, assignors.)
Graff, Charles, assignor to Black, Starr and Frost, New York, N. Y. Handle-attaching means. 1,800,684; Apr. 14.
Graff, Earl L. H., Petaluma, Calif. Gate hook. 1,803,245; Apr. 28.
Graff, George, assignor to The Dura Company, Toledo, Ohio. Timepiece dial. Des. 83,103; Jan. 20.
Graff, George, assignor to The Dura Company, Toledo, Ohio. Timepiece dial. Des. 83,104; Jan. 20.

Graff, George, assignor to The Dura Company, Toledo Ohio. Motor-vehicle door handle or similar article. Des. 83,156; Jan. 27.
Graff, George, assignor to The Dura Company, Toledo, Ohio. Motor-vehicle door handle or similar article. Des. 83,157; Jan. 27.
Graff, George, assignor to The Dura Company, Toledo, Ohio. Motor-vehicle door handle or similar article. Des. 83,158; Jan. 27.
Graff, George, assignor to The Dura Company, Toledo, Ohio. Light. Des. 84,077; May 5.
Graff, George, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio. Clock case. Des. 84,890; Aug. 18.
Graff, George, assignor to The Dura Company, Toledo, Ohio. Clock case. Des. 85,094; Sept. 15.
Graff, George, assignor to The Dura Company, Toledo, Ohio. Clock case. Des. 85,095; Sept. 15.
Graff, George, assignor, by mesne assignments, to The Durn Company, Toledo, Ohio. Handle. 1,795,554; Mar. 10.
Graff, George B., Company. (See Graff, G. B., and Stewart, assignors.)
Graff, Gorge B., Newton Center, and R. A. Stewart, Watertown, assignors to George B. Graff Company, Cambridge, Mass. Signal device. 1,807,100; May 26.
Graff, James M., Baltimore, Md. Electric perforating tool. 1,792,688; Feb. 17.
Graff, Leland S., Arlington, and R. A. Stewart, Watertown, assignors to George B. Graff Company, Cambridge, Mass. Index tab. 1,826,614; Oct. 6.
Graff, Philip E., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Hospital table. 1,817,186; Aug. 4.
Graffenberger, Friedrich, assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Plant cover. 1,805,212; May 12.
Graffious, William E., Moundsville, W. Va. Tack setter. 1,824,399; Sept. 22.
Grafmiller, James, Forest, Ohio. Hay loader. 1,806,875; May 26.
Grage, Herman W., Manilla, Iowa. Tractor. 1,838,222; Dec. 29.
Graham, Amelia B. (See Parsons, John F., assignor.)
Graham Brothers. (See Milner, Nugent, assignor.)
Graham Brothers Aktiebolag. (See Graham, E. K. P., and Håkansson, assignors.)
Graham, Burdette S., Norman, Okla., and W. C. Morris, Concord, N. C. Apparatus for training in aviation. 1,799,895; Apr. 7.
Graham, David F., Jersey Shore, Pa., assignor to A. E. Linendoll, Norwalk, Ohio. Brake tester. 1,794,168; Feb. 24.
Graham, David P., and J. M. Ferry, jr., New York, N. Y., assignors to Peabody Engineering Corporation. Oil burning system. 1,824,952; Sept. 29.
Graham, Edward K. P., Stockholm, and S. E. Håkansson, Ulriksdal, assignors to Graham Brothers Aktiebolag, Stockholm, Sweden. Change speed device. 1,830,511; Nov. 3.
Graham, Edwin J., Leavenworth, Kans. Water cooling apparatus. 1,832,701; Nov. 17.
Graham, Frank L. A. (See Durard, George F., assignor.)
Graham, Fred, assignor to Lufkin Foundry & Machine Company, Lufkin, Texas. Counterbalance for pumping rigs. 1,807,337; May 26.
Graham, George A., Washington, D. C. Printing telegraphy. 1,820,737; Aug. 25.
Graham, Harold M., assignor to Ross Heater & Mfg. Co. Inc., Buffalo, N. Y. Heat exchanger. 1,815,618; July 21.
Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Reflector mounting for headlights. 1,792,832; Feb. 17.
Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Electric generator. 1,802,110; Apr. 21.
Graham, Herbert R., Miller, S. Dak. Automobile front seat construction. 1,836,321; Dec. 15.
Graham, James H., and G. G. Gunderson, assignors to French Battery Company, Madison, Wis. Core wrapping machine. 1,819,746; Aug. 18.
Graham, Joseph W. (See Parsons, Joseph L., assignor.)
Graham, Leon L., and O. S. Flood, Chicago, Ill., assignors to Bendix-Cowdrey Brake Tester, Inc., South Bend, Ind. Apparatus for testing auomobile brakes. 1,789,650; Jan. 20.
Graham, Matthew P. (See Crawford, F. C., and Graham.)
Graham, Matthew P. (See Hufferd, G. H., Crawford, and Graham.)
Graham, Matthew P. (See Hufferd, G. H., and Graham.)
Graham, Michael J., and A. Holsey, Chicago, Ill., assignors to International Harvester Company. Circuit breaker. 1,797,862; Mar. 24.
Graham-Paige Motors Corporation. (See Sanger, H. G., and Kishline, assignors.)
Graham, Robert K., and P. Young, Chicago, Ill. Tie spacing device. 1,836,753; Dec. 15.
Graham Simplex Pump Company. (See Graham, William H., assignor.)
Graham, Thomas C., Long Beach, Calif. Advertising machine. 1,806,160; May 19.
Graham, Thomas, & Co. (See Ross, Taylor W., assignor.)
Graham, Thornton G., Kent, and P. V. Tippet, Cuyahoga Falls, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Stock-winding mechanism for calenders. 1,790,582; Jan. 27.
Graham, Walter F., Richland, assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley shoe. 1,811,388; June 23.
Graham, Walton C., Denver, Colo., assignor to Gilchrist & Company. Controlling the application of reagents to solutions. 1,808,546; June 2.
Graham, Walton C., Denver, Colo., H. S. Rumsey, St. Louis, Mo., and A. U. Wetherbee, Evanston, Ill., assignors to Gilchrist & Company. Process and apparatus for separating substances from liquids. 1,794,374; Mar. 3.
Graham, Warren C. S., New Orleans, La. Pulverizing or disintegrating equipment. 1,806,249; May 19.
Graham, Warren C. S., New Orleans, La. Heat exchange tubing. 1,832,769; Nov. 17.
Graham, William A., assignor to Peoples Finance & Thrift Co., Houston, Tex. Water heating tank. 1,817,685; Aug. 4.
Graham, William H., Steamboat Springs, Colo., assignor to Graham Simplex Pump Company, Santa Fe, N. Mex. Oil well pump. 1,834,024; Dec. 1.
Graham, William P., assignor to Graham & Zenger, Inc., New York, N. Y. Dish or similar article. Des. 83,899; Apr. 14.
Graham, William S., Canton, Ill., assignor to International Harvester Company. Tractor cultivator. 1,797,863; Mar. 24.
Graham, William S., Canton, Ill., assignor to International Harvester Company. Tractor lister attachment. 1,819,679; Aug. 18.
Graham & Zenger, Inc. (See Graham, William P., assignor.)
Grahn, Volney G. (See Remington, James H., and J. D., and Grahn.)
Grainger, Chester A., Cynwyd, Pa., assignor to Allbestos Corporation, Philadelphia, Pa. Display cabinet. Des. 84,140; May 12.
Gralinski, Joseph, New Galilee, assignor of one-fourth to D. Trambatt and one-tenth to A. Kadunc, Hilliards, Pa. Screen. 1,833,745; Nov. 24.
Gramberg, Anton, Frankfort-on-the-Main, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Device for regulating the quantity and composition of gas mixtures. 1,793,608; Feb. 24.
Gramberg, Anton, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Acid-proof cementing compositions and preparing the same. 1,837,614; Dec. 22.
Grammes, L. F., & Sons, Inc. (See Gilbert, Elwood W., assignor.)
Grammes, L. F., & Sons. (See Price, Charles S., assignor.)
Grammes, L. F., & Sons, Inc. (See Price, Wilbur F., assignor.)
Grammes, L. F., & Sons, Inc. (See Weindel, Fred, jr., assignor.)
Grampp, Albert, Corona, N. Y. Starting and landing device for airships of the lighter than air type. 1,806,939; May 26.
Grams, August, Newark, N. J. Folding chair. 1,789,404; Jan. 20.
Grams, Wilhelm, Sydowwiese, assignor to B. Freitag, née Schein, Varchmin, Kreis Kaslin, Germany. Cultivator. 1,800,252; Apr. 14.
Gran, Albert G., Storm Lake, Iowa. Coin-controlled mechanism. 1,817,076; Aug. 4.
Granat, Elie, assignor of one-half to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Distant electric control device. 1,788,670; Jan. 13.
Granat, Joseph, San Francisco, Calif. Finger ring. Des. 83,323; Feb. 17.
Granat, Joseph, San Francisco, Calif. Finger ring. Des. 83,602; Mar. 10.
Granat, Joseph, San Francisco, Calif. Finger ring. Des. 83,603; Mar. 10.
Granat, Joseph, San Francisco, Calif. Finger ring. Des. 83,604; Mar. 10.
Granat, Joseph, San Francisco, Calif. Finger ring. Des. 83,605; Mar. 10.
Granat, Joseph, San Francisco, Calif. Finger ring. Des. 84,692; July 21.
Granat, Joseph, San Francisco, Calif. Finger ring. Des. 84,693; July 21.
Granat, Joseph, San Francisco, Calif. Finger ring. Des. 84,985; Sept. 1.
Granat, Joseph, San Francisco, Calif. Finger ring. Des. 85,285; Oct. 6.
Granat, Joseph, San Francisco, Calif. Finger ring. Des. 85,380; Oct. 20.
Granat, Joseph, San Francisco, Calif. Finger ring. Des. 85,381; Oct. 20.
Granat, Joseph, San Francisco, Calif. Wedding ring. 1,792,422; Feb. 10.
Granberg, Albert J., Berkeley, assignor to Ralph N. Brodie Company, Oakland, Calif. Fluid meter. 1,809,118; June 9.
Granberg, Albert J., Berkeley, assignor to Ralph N. Brodie Company, Oakland, Calif. Fluid meter. 1,811,789; June 23.
Granberg, Albert J., Berkeley, assignor to Ralph N. Brodie Company, Oakland, Calif. Grease meter. 1,836,238; Dec. 15.
Granberg, Carl, Firth, Idaho. Potato-digging machine. 1,800,622; Apr. 14.

Granberg Meter Corporation. (See Brubaker, Walter S., assignor.)
Grand Central Wicker Shop, Inc. (See Oliva, Vincent, assignor.)
Grandolier Lighting Fixture Co. (See Danker, Gerhard, assignor.)
Grand Rapids Bookcase & Chair Company. (See Stem, Kellar, assignor.)
Grand Rapids Brass Company. (See Ekman, Andrew, assignor.)
Grand Rapids Brass Company. (See Roedding, Gordon E., assignor.)
Grand Rapids Fibre Cord Company. (See Sackner, Wade E., assignor.)
Grand Rapids Metalcraft Corporation. (See De Boer, Rudolph, assignor.)
Grand Rapids Store Equipment Corporation. (See Vanderveld, Anthony, assignor.)
Grand Rapids Store Equipment Corporation. (See Zolla, Leon, assignor.)
Grand Rapids Trust Company, et al., co-receivers. (See Green, Clifford H., assignor.)
Grandy, Raymond M., Superior, Wis. Car replacer clamp. 1,819,162; Aug. 18.
Graner, Hans. (See Ossanna, J., Graner, and Hoffmann.)
Grange, Leo O., Chicago, Ill. Tire retread vulcanizer. 1,834,899; Dec. 1.
Grange, Leo O., assignor to W. J. Jarratt, Chicago, Ill. Vulcanizing apparatus. 1,822,590; Sept. 8.
Grange, Leo O., assignor to W. J. Jarrett, Chicago, Ill. Vulcanizing device. 1,835,296; Dec. 8.
Granger, Alfred T., Hanover, N. H. Antirattler for window sashes. 1,813,157; July 7.
Granger, Ernest, Paris, France. Water meter. 1,834,025; Dec. 1.
Granger, Irving J., Waterbury, Conn. Power generating and converting systems. 1,809,409; June 9.
Granger, Paul H., Los Angeles, Calif. Deep-well fluid-actuated pump. 1,793,793; Feb. 24.
Granger, Paul H., Los Angeles, Calif. Apparatus for locating leaks. 1,796,454; Mar. 17.
Granger, Paul H., Los Angeles, Calif. Locating leaks in well tubing. 1,812,943; July 7.
Granger, Paul H., Los Angeles, Calif. Indicating and cementing off leaks in well casings. 1,812,944; July 7.
Granger, Paul H., Los Angeles, Calif. Locating and cementing off leaks in well casings. 1,812,945; July 7.
Granger, Paul H., Los Angeles, Calif. Impact bit. 1,821,212; Sept. 1.
Granger, Paul H., Los Angeles, Calif. Apparatus for locating leaks. 1,822,925; Sept. 15.
Granger, Paul H., Los Angeles, Calif. Draining liquid from well tubing. 1,826,210; Oct. 6.
Granger, Wallace H., San Francisco, Calif. Printing-press unit. Re18,056; Apr. 28.
Granges, Louis, Paris, France. Resiliently-suspended chassis for motor vehicles and such like. 1,792,160; Feb. 10.
Granskog, John A. (See Hogberg, J. L., and Granskog.)
Grant, Albert E., assignor to Grant Heat Machine Corporation, New York, N. Y. Seal for rotary oil pumps. 1,796,017; Mar. 10.
Grant, Albert E., New York, N. Y., assignor to Caloroil Burner Corporation. Oil burner. 1,828,183; Oct. 20.
Grant, Albert W., jr., Wilmette, Ill., assignor to The Koppers Company, Pittsburgh, Pa. Manufacture of carbureted gas. 1,819,838; Aug. 18.
Grant, Albert W., jr., Wilmette, Ill., assignor to The Koppers Company, Pittsburgh, Pa. Manufacture of carbureted gas. 1,819,839; Aug. 18.
Grant, Alexander, et al. (See Stanaway, William E., assignor.)
Grant, Colin, assignor of one-third to C. R. Deem, and one-third to S. Gay, Jackson, Mich. Detachable handle. 1,808,890; June 9.
Grant, Denison W., Franklin, Pa. Filtering and decolorizing oils. 1,806,876; May 26.
Grant, Donald, et al. (See Stanaway, William E., assignor.)
Grant, Dora B., Arcola, Ill. Ironing board cover. 1,832,545; Nov. 17.
Grant, Edwin J., Los Angeles, Calif. Automatic stop. 1,800,382; Apr. 14.
Grant, Edwin J., Los Angeles, Calif. Apparatus for and method of cutting material. 1,804,764; May 12.
Grant Elevator Equipment Corporation. (See Gussack, Nathan A., assignor.)
Grant Elevator Equipment Corp. (See Zabriskie, H. H., and Gussack, assignors.)
Grant, Frank L., assignor to The Gabriel Company, Cleveland, Ohio. Ball and socket connection. 1,815,771; July 21.
Grant, Frederick C. assignor to Clarin M'f'g. Co., Chicago, Ill. Chair tip. 1,789,974; Jan. 27.
Grant, Gerald M. M., Los Angeles, Calif. Piston ring. 1,815,354; July 21.
Grant, Harry C., jr., assignor to W. Kidde & Company, New York, N. Y. Detection of suspended matter in fluids. 1,807,659; June 2.
Grant Heat Machine Corporation. (See Grant, Albert E., assignor.)
Grant Home Heater Corporation. (See Hoff, Joseph B., assignor.)
Grant, Irving. (See Walters, V. E., and Grant.)
Grant, James H. (See Johnson. H. L., and Grant.)
Grant, John. (See Barkelew, James T., assignor.)
Grant, John. (See Campbell, Stewart L., assignor.)
Grant, John. (See Campbell, S. L., and Grant.)
Grant, John. (See Crum, Roland R., assignor.)
Grant, John. (See Deakins, Grover C., assignor.)
Grant, John. (See Hamer, Leland S., assignor.)
Grant, John. (See Parker, Lloyd A., assignor.)
Grant, John. (See Raymond, Edward F., assignor.)
Grant, John. (See Santiago, James J., assignor.)
Grant, John. (See Scott, B. H., Ross, and Norris, assignors.)
Grant, John. (See Triplett, James B., assignor.)
Grant, John. (See Vaughn, Fred B., assignor.)
Grant, John, Los Angeles, Calif. Bearing for drill stems. 1,788,630; Jan. 13.
Grant, John, Los Angeles, Calif. Locking underreamer. 1,801,552; Apr. 21.
Grant, John, Los Angeles, Calif. Compound expanding underreamer. 1,803,669; May 5.
Grant, John, Los Angeles, Calif. Hold down sleeve for expansive reamers. 1,806,625; May 26.
Grant, John, Los Angeles, Calif. Reamer and underreamer. 1,812,043; June 30.
Grant, John, Los Angeles, Calif. Expanding underreamer. 1,812,044; June 30.
Grant, John, Los Angeles, Calif. Expanding rotary reamer. 1,819,367; Aug. 18.
Grant, Lewis C., assignor to Electrical Improvements Limited, Newcastle-upon-Tyne, England. Electric circuit breaker. 1,826,772; Oct. 13.
Grant Manufacturing and Machine Company, The. (See McClean, John G., assignor.)
Grant Manufacturing and Machine Company, The. (See McNaughton, William B., assignor.)
Grant Oil Burner Corporation. (See Fischer, F., and Sivertsen, assignors.)
Grant Oil Burner Corporation of Delaware. (See Fischer, F., and Sivertsen, assignors.)
Grant, Richard F., et al. (See Wetherbee, Herbert E., assignor.)
Grant, William. (See Grayson, W. C., and Grant.)
Grant, William, Sheffield, England. Knife blade. 1,793,171; Feb. 17.
Grant, Winfield S., assignor to H. D. Mackaye, Detroit, Mich. Oil burner. 1,800,726; Apr. 14.
Grant, Winfield S., assignor to H. D. Mackaye, Detroit, Mich. Oil burner. 1,835,297; Dec. 8.
Grantonic, John, Mingo Junction, Ohio. Amusement device. 1,833,570; Nov. 24.
Granville, Bernard, New York, N. Y., assignor to Granville Holding Corporation. Flexible shaft. 1,817,000; Aug. 4.
Granville Holding Corporation. (See Granville, Bernard., assignor.)
Grapp, Edward A., Minneapolis, Minn. Humidifying device. 1,836,239; Dec. 15.
Grasham, Anderson C., assignor of one-half to G. D. Smith, Burlington, N. C. Supporting means for hosiery, etc. 1,829,086; Oct. 27.
Grass, William, Roslyn Heights, N. Y. Method and apparatus for preparing lithographic printing plates. 1,821,466; Sept. 1.
Grasse, Samuel, Glasgow, Scotland. Treating cream. 1,801,152; Apr. 14.
Grasselli Chemical Company, The. (See Booge, James E., assignor.)
Grasselli Chemical Company, The. (See Buse, Otto H., assignor.)
Grasselli Chemical Company, The. (See Corson, Harry P., assignor.)
Grasselli Chemical Company, The. (See Dykstra, Harry B., assignor.)
Grasselli Chemical Company, The. (See Grace, Worthington T., assignor.)
Grasselli Chemical Company, The. (See Grine, Harry A., assignor.)
Grasselli Chemical Company, The. (See Howard, Henry, assignor.)
Grasselli Chemical Company, The. (See Lutz, G., and Westbrook, assignors.)
Grasselli Chemical Company, The. (See Maguire, Edward J., assignor.)
Grasselli Chemical Company, The. (See Schweitzer, William K., assignor.)
Grasselli Chemical Company, The. (See Siegel, Alfred, assignor.)
Grasselli Chemical Company. (See Taylor, E. A., and Grace, assignors.)
Grasselli Chemical Company. (See Westbrook, Leon R., assignor.)
Grassi, Serafino, Waterbury, Conn. Chain portière. 1,835,644; Dec. 8.
Grassman, John, Bellaire, and L. S. Gatter, New York, N. Y. Advertising display device for elevators. 1,834,700; Dec. 1.
Grassot, Emile, Meudon, France, assignor, by mesne assignments, to General Electric Company. Selective relay responsive to unbalanced electric quantities. 1,816,675; July 28.
Grassot, Emile, Meudon, France, assignor, by mesne assignments, to General Electric Company. Device responsive to unbalance in polyphase circuit voltages 1,816,676; July 28.

Grassot, Emile, Meudon, France, assignor, by mesne assignments, to General Electric Company. Device responsive to unbalance in polyphase circuit voltages and currents. 1,816,729; July 28.
Grassot, Emile, Meudon, France, assignor to General Electric Company. Relay. 1,816,772; July 28.
Grassot, Emile, Meudon, France, assignor to General Electric Company. Device responsive to unbalance in polyphase circuit voltages. 1,816,773; July 28.
Grassot, Emile, Paris, France, assignor, by mesne assignments, to General Electric Company. Selective relay responsive to unbalance on electric systems. 1,816,771; July 28.
Gratama, Petrus E. J., Soerabaya, Dutch East Indies. Apparatus for continuous clarification of liquids. 1,831,170; Nov. 10.
Grath, Walter P., Los Angeles, Calif. Safety razor. 1,831,171; Nov. 10.
Grathwohl, Hermann, Teningen, Germany. Machine for picking poultry. 1,833,571; Nov. 24.
Gratiot, Chester A., Portland, Oreg., assignor to Eversharp Lawn Mower Company, Reno, Nev. Lawn mower. 1,818,220; Aug. 11.
Gratiot, Chester A., Portland, Oreg., assignor, by mesne assignments, to Eversharp Lawnmower Company. Lawn mower. 1,836,164; Dec. 15.
Graton & Knight Company. (See Griffith, Winfred S., assignor.)
Graton & Knight Company. (See Mader, Lewis H., assignor.)
Graton & Knight Company. (See Streeter, Claude O., assignor.)
Gratsch, Elmer E. (See Rubel, C. F., and Gratsch.)
Gratz, Arline A., assignor to Dominion Electrical Manufacturing Co., Minneapolis, Minn. Waffle iron or analogous article. Des. 83,196; Feb. 3.
Gratz, Arline A., assignor to Dominion Electrical Manufacturing Co., Minneapolis, Minn. Electrical grill or similar article. Des. 83,324; Feb. 17.
Gratz, Arline A., assignor to Dominion Electrical Manufacturing Co., Minneapolis, Minn. Electric hot plate. Des. 85,096; Sept. 15.
Gratz, Arline A., and E. J. Ajax, assignors to Dominion Electrical Manufacturing Co., Minneapolis, Minn. Sadiron. Des. 83,800; Mar. 31.
Gratz, John W., Los Angeles, Calif. Automatic door operating device. 1,802,812; Apr. 28.
Grau, Ernst, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,804,606; May 12.
Grau, Herbert E., Los Angeles, and A. J. Colmerauer, Redondo Beach, Calif. Hydraulic apparatus. 1,790,913; Feb. 3.
Graubner, Herman G. (See Jones H. W., and Graubner.)
Graubner, Herman G., New York, N. Y., assignor to National Carbon Company, Inc. Handlamp switch. 1,802,712; Apr. 28.
Graubner, Herman G., New York, N. Y., assignor to National Carbon Company, Incorporated. Flash light. 1,838,306; Dec. 29.
Grauel, Edwin L., Cincinnati, Ohio. Match package. 1,815,973; July 28.
Grauel, Edwin L., Cincinnati, Ohio. Match package. 1,815,974; July 28.
Grauel, Edwin L., Cincinnati, Ohio. Match package holder. 1,815,975; July 28.
Grauer, Albert. (See Bruner, R. W., and Grauer.)
Graul, Edith P., administratrix. (See Graul, Hermann M.)
Graul, Hermann M., deceased; E. P. Graul, administratrix, Detroit, Mich. Tool holder. 1,809,553; June 9.
Gravatt, Earl, assignor to Kansas City Millwright Company, North Kansas City, Mo. Hand truck. 1,795,856; Mar. 10.
Graveline, Joseph, Moosup, Conn. Spinning frame and spindle-drive mechanism. 1,799,896; Apr. 7.
Gravell, James H., Elkins Park, assignor to American Chemical Paint Company, Ambler, Pa. Method of and material for preventing metal from corroding. 1,805,982; May 19.
Gravell, James H., Elkins Park, assignor to American Chemical Paint Company, Ambler, Pa. Flux for soldering. 1,811,667; June 23.
Gravell, James H., Elkins Park, assignor to American Chemical Paint Company, Ambler, Pa. Fuel adjunct device for gas engines. 1,812,092; June 30.
Gravell, James H., Elkins Park, assignor to American Chemical Paint Company, Ambler, Pa. Preparing metal for painting. 1,837,430; Dec. 22.
Gravell, James H., and A. Douty, Elkins Park, said Gravell assignor to American Chemical Paint Company, Ambler, Pa. Material for selectively controlling metal-pickling baths. 1,796,839; Mar. 17.
Gravelle, Arthur, Wilson's Corners, Quebec, Canada. Tire pump for automotive vehicles. 1,802,466; Apr. 28.
Gravely, Benjamin F., Dunbar, W. Va. Hillside agricultural machine. 1,822,211; Sept. 8.
Graver Corporation. (See Bressler, R. E., and Moses, assignors.)
Graver, Edwin H., assignor to B. B. Gellner, trustee, Cleveland, Ohio. Incinerator. 1,817,033; Aug. 4.
Graves, Andrew H., Arkansas City, Kans. Shipping case. 1,793,362; Feb. 17.
Graves, Andrew H., Arkansas City, Kans. Clothespin. 1,809,689; June 9.
Graves, Arthur L. (See Clark, A. C., and Graves.)
Graves, Benjamin P. (See Armitage, J. B., Kearney, Graves, and Nenninger.)
Graves, Benjamin P., Cranston, assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Adjusting overhanging arms. 1,812,649; June 30.
Graves, Benjamin P., Cranston, R. I., assignor to Brown and Sharpe Manufacturing Company. Variable speed controller mechanism. 1,812,871; July 7.
Graves, Charles A., East Cleveland, Ohio. Sign. Des. 84,694; July 21.
Graves, Earl M., et al. (See Paulson, George W., assignor.)
Graves, Frank, Sash, Door and Mill Company. (See Appleby, James P., assignor.)
Graves, Forrest G., McCook, Nebr. Spreader for caponizing. 1,799,554; Apr. 7.
Graves, Forrest G., McCook, Nebr. Chicken restraining device. 1,802,207; Apr. 21.
Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reduction of furfural to tetrahydrofurfuryl alcohol. 1,794,453; Mar. 3.
Graves, Grover E. (See Graves, Noland W., P., and G. E.)
Graves, Henry W., Montreal, Quebec, Canada. String-supported figure toy. 1,821,967; Sept. 8.
Graves, John E., Baltimore County, assignor to The Black and Decker Manufacturing Company, Towson Heights, Md. Chuck. 1,800,291; Apr. 14.
Graves, Noland W., Taft, P. and G. E. Graves, Santa Cruz, Calif. Rotarian. 1,814,213; July 14.
Graves, Pansy. (See Graves, Noland W., P., and G. E.)
Graves, Roy R., Kensington, Md. Production of vitamin-containing pasteurized milk of low bacterial content. 1,798,413; Mar. 31.
Graves, Roy R., Kensington, Md. Educational apparatus. 1,831,383; Nov. 10.
Graves, Sheldon H., New York, N. Y., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Expansion apparatus for transformers. 1,794,893; Mar. 3.
Gravett, Clarence M. (See McLean, Anthony E., assignor.)
Grawunder, Henry C., Belleville, Tex. Plow attachment. 1,791,201; Feb. 3.
Gray, Albert S., assignor of one-half to J. D. Certain, Wenatchee, Wash. Tire rim breaking machine. 1,810,881; June 16.
Gray, Albert S., and Ulys A. Simmons, Wenatchee, Wash. Long pole power pruning saw. 1,816,966; Aug. 4.
Gray, Alvin E., Flushing, assignor to The Tabulating Machine Company, Endicott, N. Y. Listing and checking machine. 1,835,390; Dec. 8.
Gray, Ben H., Shreveport, La. Automobile signal switch. 1,803,246; Apr. 28.
Gray, Bertram P., Birmingham, England. Horseshoe. 1,817,814; Aug. 4.
Gray, Bony, Kansas City, Mo., assignor of one-half to J. S. Warren, Kansas City, Mo. Wheel rim lock. 1,825,860; Oct. 6.
Gray, Carl C. (See Mott, J. H., and Gray.)
Gray, Charles B., Millbourne, Pa. Shearing machine. 1,795,303; Mar. 10.
Gray, Charles B., Millbourne, Pa. Shearing-machine tool. 1,801,153; Apr. 14.
Gray, Charles B., Millbourne, Pa. Punch connecting mechanism. 1,816,648; July 28.
Gray, Chester E. (See Douthitt, Frank H., assignor.)
Gray, Chester E. (See Turnbow, Grover D., assignor.)
Gray, Christian H., London, England. Method of and apparatus for the vulcanization of rubber or like coverings on hollow articles. 1,792,298; Feb. 10.
Gray & Danielson Manufacturing Company. (See Danielson, Ernest G., assignor.)
Gray, David A., Chattanooga, Tenn. Engine. 1,839,147; Dec. 29.
Gray, David E. (See Woods, W. J., and Gray.)
Gray, David E., Corning, assignor to Corning Glass Works, New York. N. Y. Loading and unloading device. 1,818,475; Aug. 11.
Gray, David E., assignor to Corning Glass Works, Corning, N. Y. Blowing mechanisms for glass working machines. 1,833,284; Nov. 24.
Gray, Dorothy. (See Westing, Louise E., assignor.)
Gray, Edwin. (See Meehan, A., and Gray.)
Gray, Ellsworth, Houston, Tex. Check valve for drill stems. 1,793,547; Feb. 24.
Gray, Ellsworth, Houston, Tex. Packer. 1,811,047; June 23.
Gray, Ellsworth, assignor to Gray Tool Company, Houston, Tex. Overshot fishing tool. 1,788,829; Jan. 13.
Gray, Ellsworth, assignor to Gray Tool Company, Houston, Tex. Inside casing cutter. 1,801,424; Apr. 21.
Gray, Ellsworth, and R. A. Mueller, Houston, Tex. Fluid lifting device for wells. 1,833,214; Nov. 24.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical system. 1,803,700; May 5.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical transmission system. 1,812,402; June 30.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switch or commutating means. 1,812,828; June 30.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Glow discharge lamp. 1,830,163; Nov. 3.

Gray, Frank L., Twisp, and R. H. Hughes, Winthrop, Wash. Oil gauge rod wiper. 1,839,026; Dec. 29.
Gray, Fred D., Herkimer, N. Y., assignor to Holed-Tite Packing Corporation. Packing for fragile articles. 1,808,136; June 2.
Gray, George W. (See Dearborn, R. J., and Gray.)
Gray, Harold, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Composition of matter and producing same. 1,796,018; Mar. 10.
Gray, Harold, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Articles of rubber and making same. 1,801,667; Apr. 21.
Gray, Harold P., G. W. Jones, and H. D. Roberson, assignors to Wachusett Shirt Co, Leominster, Mass. Collar and collar stiffener. 1,832,930; Nov. 24.
Gray, Harry L., assignor to Eastman Kodak Company, Rochester, N. Y. Making acetylating mixtures. 1,836,711; Dec. 15.
Gray, Harry Le B., assignor to Eastman Kodak Company, Rochester, N. Y. Making cellulose acetate. 1,823,359; Sept. 15.
Gray, James A., St. Paul, Minn. Motion picture screen. 1,810,168; June 16.
Gray, James A., St. Paul, Minn. Moving picture screen. 1,810,169; June 16.
Gray, James A., assignor to American Can Company, San Francisco, Calif. Apparatus for making angular containers. 1,792,978; Feb. 17.
Gray, Jesse L., Dallas Tex. Motion controlling attachment for cutting torches. 1,823,194; Sept. 15.
Gray, John E., Lynbrook, N. Y. Toothbrush and the like. 1,801,915; Apr. 21.
Gray, John W., assignor of one-half to B. V. Curnen, Chattanooga, Tenn. shock-absorber mechanism. 1,799,013; Mar. 31.
Gray, Joseph H., assignor of one-fourth to E. Eichenberg, Houston, Tex. Motor vehicle attachment. 1,815,772; July 21.
Gray, Joseph H., Houston, Tex., assignor of one-half to J. C. Hurley. Motor vehicle attachment. 1,815,773; July 21.
Gray, Leil L., Minneapolis, Minn. Grease service rack. 1,810,826; June 16.
Gray, Leonard G., assignor to Walrus Manufacturing Company, Decatur, Ill. Soda fountain. Des. 85,746; Dec. 15.
Gray Marine Motor Co. (See Fernstrum, Frank O., assignor.)
Gray, Percy W., assignor to Vickers Limited, Westminster, London, England. Apparatus for use in the laying of antiaircraft guns. 1,811,688; June 23.
Gray, Percy W., assignor to Vickers Limited, Westminster, England. Apparatus for use in the fire control of antiaircraft guns. 1,821,968; Sept. 8.
Gray, Percy W., assignor to Vickers Limited, Westminster, England. Apparatus for use in the fire control of antiaircraft guns. 1,831,595; Nov. 10.
Gray Processes Corporation. (See Gray, Thomas T., assignor.)
Gray Processes Corporation, The. (See Johansen, Ernst M., assignor.)
Gray Processes Corporation, The. (See Nisson, P. S., and Mandelbaum, assignors.)
Gray, Ralph B., Chicago, Ill. Windshield wiping mechanism. 1,829,396; Oct. 27.
Gray, Robert C., Warren Township, Somerset County, N. J. Friction casement adjuster. 1,818,977; Aug. 18.
Gray, Russell J., Minneapolis, Minn. Grease gun. 1,790,914; Feb. 3.
Gray, Tazz E., Holdenville, Okla. Adjustable brace. 1,787,858; Jan. 6.
Gray, Theodore C., San Pedro, Calif. Hose coupling device. 1,830,229; Nov. 3.
Gray, Thomas H., Fort Worth, Tex. Hot water bottle. Des. 85,747; Dec. 15.
Gray, Thomas T., Elizabeth, N. J., assignor to Gray Processes Corporation, Newark, N. J. Apparatus for contacting vapors with solids. 1,823,895; Sept. 22.
Gray, Thomas T., Elizabeth, N. J., assignor to Gray Processes Corporation, Newark, N. J. Refining hydrocarbons. 1,825,861; Oct. 6.
Gray Tool Company. (See Gray, Ellsworth, assignor.)
Gray, Wallace M., Cincinnati, Ohio, assignor to The American Valve and Meter Company, Cincinnati, Ohio. Switch stand. 1,811,830; June 23.
Gray, Wallace M., assignor to The American Valve and Meter Company, Cincinnati, Ohio. Railway switch stand. 1,814,306; July 14.
Gray, Wallace M., assignor to The American Valve and Meter Company, Cincinnati, Ohio. Railway switch apparatus. 1,814,307; July 14.
Gray, Walter W. (See Etbauer, William J., assignor.)
Gray, William H., Parramatta, New South Wales, Australia. Aeroplane. 1,820,613; Aug. 25.
Gray, William, and W. Brown, Lancaster, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Gauge for sheet glass. 1,801,270; Apr. 21.
Gray, William L., North Weymouth, Mass., assignor to Bethlehem Shipbuilding Corporation. Pneumatic rivet passer. 1,794,846; Mar. 3.
Graybar Electric Company. (See Reddig, Charles, assignor.)
Graybar Electric Company. (See Reddig, Charles E., assignor.)
Graybar Electric Company. (See Staples, Charles F., assignor.)
Graybill, Guy E., Oak Park, Ill. Display stand. Des. 84,891; Aug. 18.
Graybill, Kenneth W., Villa Park, assignor to Reserve Holding Company, Chicago, Ill. Voltage regulating system. 1,805,140; May 12.
Graybill, William J., York, assignor to H. B. Waltman, Springettsburg, Pa. Pan greasing machine. 1,816,148; July 28.
Grayson Heat Control, Inc. (See Grayson, John H., assignor.)
Grayson, John H., assignor to Grayson Heat Control, Inc., Lynwood, Calif. Safety burner. 1,813,048; July 7.
Grayson, Ralph V., Macon, and C. M. Foster, Atlanta, Ga., assignors of forty one-hundredths to Polar Products, Inc. Refrigeration system. 1,814,915; July 14.
Grayson, William C. (See Grayson, W. C., and Grant.)
Grayson, William C., and W. Grant, San Francisco, Calif., assignors, by mesne assignments, to said Grayson. Boat construction. 1,835,564; Dec. 8.
Graystone, Wilfred, assignor to Eastern Steel Products Limited, Preston, Ontario, Canada. Automatic control mechanism for rolling doors. 1,795,390; Mar. 10.
Graziani, Andrea, Camden, N. J. Heat conduit and protector therefor. 1,806,455; May 19.
Graziani, Frank A., Fairmont, W. Va. Combination chair plate and rail brace. 1,806,254; May 19.
Great Lakes Golf Corporation. (See Johnson, Charles B., assignor.)
Great Northern Paper Company. (See Cram, H. G., and Weldon, assignors.)
Great Northern Paper Company. (See Harkness, Orris A., assignor.)
Great Western Fuse Company. (See Hopkins, Peter J., assignor.)
Great Western Fuse Company. (See La Mar, Frank C., assignor.)
Great Western Fuse Company. (See Lawrence, Edward A., assignor.)
Greaves, Abilio M. De S., New York, N. Y. Book cover. Des. 84,779; Aug. 4.
Greaves, Valentine F., St. Charles, and B. E. Eisenhour, Aurora, assignors, by mesne assignments, to United Reproducers Corporation, St. Charles, Ill. Electrical adapter device. 1,830,790; Nov. 10.
Greaves, William B. and W. M. Stevenson, Springfield, Mass. Rug or carpet weaving loom. 1,804,008; May 5.
Grebe, A. H., & Co. (See Grebe, A. H., and Lowell, assignors.)
Grebe, A. H., & Co. (See Lowell, Percival D., assignor.)
Grebe, A. H., & Co. (See Montgomery, Andrew P., assignor.)
Grebe, Alfred H., Hollis, and P. D. Lowell, Jamaica, assignors to A. H. Grebe & Co., Inc., Richmond Hill, N. Y. Phonograph coupling for radioreceivers. 1,822,653; Sept. 8.
Grebe, John J., assignor to The Dow Chemical Company, Midland, Mich. Autoclave. 1,814,796; July 14.
Grebe, John J., and R. H. Boundy, assignors to The Dow Chemical Company, Midland, Mich. Electrolytic production of alkali and alkaline earth metals. 1,826,773; Oct. 13.
Grebel, Bruno, Berlin-Schoneberg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Securing grid wires. 1,792,219; Feb. 10.
Grebenstein, George W., Newtonville, Mass. Puller. 1,802,012; Apr. 21.
Greby, Ernest, Isey-les-Moulineaux, assignor, by mesne assignments, to G. M. Cressaty, Paris, France. Automatic temperature regulator. 1,815,299; July 21.
Gredell, Otto N., Kansas City, assignor to Standard Steel Works, North Kansas City, Mo. Truck tank mounting. 1,812,093; June 30.
Gredell, Otto N., assignor to Standard Steel Works, North Kansas City, Mo. Manhole cover. 1,825,726; Oct. 6.
Gredell, Paul P., Quincy, Ill. Plant marker. 1,814,380; July 14.
Greeley, William H., Newton, assignor to Ginn and Company, Boston, Mass. Bookholder. 1,811,124; June 23.
Green, Aaron S., et al. (See Hunsicker, Clyde L., assignor.)
Green, Adoniram J., West Caldwell, N. J., assignor to General Electric Company. Thermal cut-out. 1,792,299; Feb. 10.
Green, Andrew T., and R. G. Shaw, Oriskany Falls, N. Y. Ground anchor for guy wires. 1,796,147; Mar. 10.
Green, Archie C. (See Green, Lieu M., and A. C.)
Green, Arlington P., Los Angeles, Calif. Lawn sprinkler. 1,830,833; Nov. 10.
Green, Benjamin F., Homer, La. Standard mounting for bolsters. 1,814,308; July 14.
Green, Benjamin F., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston-ring compressor. 1,789,139; Jan. 13.
Green, Benjamin F., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Packing structure for pistons. 1,793,794; Feb. 24.
Green, Burnett E., assignor to Huron Industries, Inc., Alpena, Mich. Sealing ring for rotating machines or cylinders. 1,794,454; Mar. 3.
Green, Charles A., Chicago, Ill., assignor, by mesne assignments, to C. P. Pease Company. Drawing board attachment. 1,812,477; June 30.
Green, Charles B., assignor to Florence Pipe Foundry & Machine Company, Florence, N. J. Hydrant tool. 1,806,556; May 19.

Green, Charles M., Lynn, Mass., assignor to General Electric Company. Electrical control system and protective devices therefor. 1,797,060; Mar. 17.
Green, Charles R., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Attaching upholstery. 1,820,064; Aug. 25.
Green, Charles W., Ilion, N. Y., assignor to Remington Arms Company, Inc. Cash register. 1,793,795; Feb. 24.
Green, Charles W., Ilion, N. Y., assignor to Remington Arms Company, Inc. Cash register. 1,795,116; Mar. 3.
Green, Charles W., Ilion, N. Y., assignor to Remington Arms Company, Inc. Cash register. 1,815,025; July 14.
Green, Charles W., Ilion, N. Y., assignor to Remington Arms Company, Inc. Ribbon frames. 1,815,026; July 14.
Green, Charles W., Ilion, N. Y., assignor to Remington Arms Company, Inc. Cash register. 1,817,815; Aug. 4.
Green, Charles W., Ilion, N. Y., assignor to Remington Arms Company. Cash register. 1,817,816; Aug. 4.
Green, Charles W., Ilion, N. Y., assignor to Remington Arms Company, Inc. Cash register. 1,817,817; Aug. 4.
Green, Charles W. Ilion, N. Y., assignor to Remington Arms Company, Inc. Cash register. 1,821,339; Sept. 1.
Green, Charles W., and R. E. Rice, Ilion, N. Y., assignors to Remington Arms Company, Inc. Cash register. 1,795,115; Mar. 3.
Green, Clifford H., Grand Rapids, assignor, by mesne assignments, to Grand Rapids Trust Company and H. M. Baxter, co-receivers for Automatic Musical Instrument Company, Grand Rapids, Mich. Multirecord controller. 1,801,343; Apr. 21.
Green, Edward A. (See Black, J. P., and Green.)
Green, Edward B., jr., Buffalo, N. Y., assignor to Modern Wardrobe, Inc. Wardrobe. Re18,267; Dec. 1.
Green, Edward G., et al. (See Ward, Andrew W. assignor.)
Green, Elmer J., Akron, Ohio. Expansion joint for concrete or like structures. 1,793,083; Feb. 17.
Green, Elmer, Hicksville, assignor of one-tenth to W. Braun and one-fourth to H. McIntosh, Hicksville, Long Island, N. Y. Butcher's block stop plate. 1,832,702; Nov. 17.
Green, Ernest, Hendon, England, assignor to Radio Corporation of America. Circuit arrangement for high frequency currents. 1,830,164; Nov. 3.
Green, Estill I. (See Affel, H. A., and Green.)
Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Frequency eliminator. 1,794,847; Mar. 3.
Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Utilizing a wide frequency range for signaling channels. 1,802,420; Apr. 28.
Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Coupling between carrier and transmission lines. 1,815,976; July 28.
Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Piezo electric frequency eliminator. 1,827,843; Oct. 20.
Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. System of carrier current signaling on power lines. 1,836,114; Dec. 15.
Green, Frank W., Framingham, assignor to The Heald Machine Company, Worcester, Mass. Work supporting fixture. 1,825,862; Oct. 6.
Green, Frederick M., Riverside, R. I. Creasing press. 1,799,363; Apr. 7.
Green, George F., East Providence, R. I. Jewelry-display device. 1,799,364; Apr. 7.
Green, Harry J. (See Ward, J. P., Hyde, and Green.)
Green, Howard K., assignor to Green-Wyle Company, Brooklyn, N. Y. Artificial bait. 1,795,773; Mar. 10.
Green, Irving, New York, N. Y. Vending machine. 1,795,117; Mar. 3.
Green, Irving W., Cranford, N. J., assignor to American Telephone and Telegraph Company. Telephone system. 1,816,967; Aug. 4.
Green, Irving W., Cranford, N. J., assignor to American Telephone and Telegraph Company. Telephone system. 1,830,834; Nov. 10.
Green, James H., Stratford, Conn. Saw stretcher. 1,810,349; June 16.
Green, James R., Everett, Wash. Ice-cream freezer. 1,790,373; Jan. 27.
Green, John L., El Dorado, Ark. Oil purifier. 1,818,476; Aug. 11.
Green, John P., Philadelphia, Pa. System of refrigeration. 1,820,453; Aug. 25.
Green, John T., assignor to General Motors Corporation, Detroit, Mich. Striping tool. 1,823,427; Sept. 15.
Green, Lee, Chicago, Ill. Ball-bearing spring caster. 1,788,391; Jan. 13.
Green, Lee B., Lakewood, Ohio. Combined stand and casing for a dry-cleaning machine or similar article. Des. 83,801; Mar. 31.
Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Combined washing machine casing and support therefor. Des. 84,219; May 19.
Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Combined washing machine casing and support therefor. Des. 84,580; July 7.
Green, Lee B., Lakewood, assignor to The Borden Company, Warren, Ohio. Apparatus for preparing briquetted fuel for burning. 1,793,691; Feb. 24.
Green, Lee B., Lakewood, assignor to The Globe Machine and Stamping Company, Cleveland, Ohio. Control device for automobile radiator shutters. 1,793,926; Feb. 24.
Green, Lee B., Lakewood, assignor to The Borden Company, Warren, Ohio. Mechanical movement. 1,796,753; Mar. 17.
Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Grille or screen for automobile radiators. 1,820,614; Aug. 25.
Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Mounting for radiator shutter blades. 1,824,015; Sept. 22.
Green, Lee B., Lakewood, assignor to The Globe Machine & Stamping Company, Cleveland, Ohio. Framed wire screen or grill and its manufacture. 1,837,615; Dec. 22.
Green, Leonard D., Erie, Pa. Window ventilator. 1,833,783; Nov. 24.
Green, Leslie P., Chicago, assignor, by mesne assignments, to I. J. Wilson, Winnetka, Ill. Scraper. 1,791,526; Feb. 10.
Green, Lieu M. and A. C., Texico, N. Mex. Tractor guide. 1,837,659; Dec. 22.
Green, Linus E. (See Fickett, E. L., Greene, Charushin, and Campbell.)
Green, Louis D., et al. (See Hunsicker, Clyde L., assignor.)
Green, Menyhert, New York, N. Y. Valve. 1,796,840; Mar. 17.
Green, Myer, Brooklyn, N. Y. Mirror or glass paneled radio cabinet. Des. 82,986; Jan. 6.
Green, Newton B., assignor to Eastman Kodak Company, Rochester, N. Y. Bellows frame construction for cameras. 1,833,459; Nov. 24.
Green, Robert L. (See Johnston, L. L., and Green.)
Green, Samuel G., Gray, Ga. Mount for guns. 1,790,212; Jan. 27.
Green, Samuel G., Gray, Ga. Magazine. 1,808,106; June 2.
Green, Sherwood, assignor to American Cotton Machinery Co., Berkeley, Calif. Drying apparatus. Re18,172; Sept. 1.
Green, Stanley J. (See Bader, W., and Green.)
Green, Virgil G., and Andrew Wyzenbeek, assignors to Binks Manufacturing Co., Chicago, Ill. Spray appliance. 1,837,861; Dec. 22.
Green, Walter H., Chicago, Ill., assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Zeolite-regenerating process. 1,792,220; Feb. 10.
Green, Walter H., assignor, by mesne assignments, to International Filter Company, Chicago, Ill. Water-softening apparatus. 1,794,765; Mar. 3.
Green, William, Glens Falls, N. Y. Trellis. Des. 83,802; Mar. 31.
Green-Wyle Company. (See Green, Howard K., assignor.)
Greenabaum, Alexander L., Chicago, Ill., assignor to O. F. Jordan Company, East Chicago, Ind. Road spreader or plow. Re17,932; Jan. 13.
Greenan, Max, Staten Island, N. Y. Ornamental bird. Des. 83,606; Mar. 10.
Greenawalt, Carl A., Sterling, Colo. Vehicle signal switch. 1,790,142; Jan. 27.
Greenawalt, John E. (See Alexovits, Thomas M., assignor.)
Greenawalt, John E. New York, N. Y. Preparing a charge of material to be sintered. 1,799,163; Apr. 7.
Greenawalt, John E., New York, N. Y. Dust collector mechanism for sintering machines. 1,806,899; May 26.
Greenawalt, William E., Denver, Colo. Copper-extraction process. 1,798,255; Mar. 31.
Greenawalt, William E., Denver, Colo. Copper extraction process. 1,808,547; June 2.
Greenawalt, William E., Denver, Colo. Copper extraction process. 1,810,895; June 23.
Greenbaum, Arthur. (See Crossman, H., Greenbaum, and Bernstein.)
Greenberg, Irving, Brooklyn, N. Y. Telephone dial lock 1,807,065; May 26.
Greenberg, Max, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 85,866; Dec. 29.
Greenberg, Paul, New York, N. Y. Telephone stand. Des. 85,748; Dec. 15.
Greenberg, Samuel A., et al. (See Tumminello, Charles E., assignor.)
Greenberg, William. (See Selig, M., and Greenberg.)
Rochester, N. Y. Bellows frame construction for cameras. 1,833,459; Nov. 24.
Greenblatt, Camille, Louisville, Ky. Combined screen and window lift. 1,796,148; Mar. 10.
Greene, Albert E., Medina, Wash. Electric arc furnace and crane structure. 1,813,397; July 7.
Greene, Albert E., Medina, Wash. Electric reducing ores. 1,819,238; Aug. 18.
Greene, Albert E., Medina, Wash. Electric smelting apparatus and process. 1,819,239; Aug. 18.
Greene, Albert E., Medina, Wash. Electric furnace. 1,832,483; Nov. 17.
Greene, Albert E., Seattle, Wash. Electric furnace and voltage control. 1,839,148; Dec. 29.
Greene, Arthur D (See Miller, T. W., and Greene.)

Greene, Bartholomew, Sebring, Ohio. Press. 1,824,132; Sept. 22.
Greene, Bartholomew H., Sebring, Ohio. Press. 1,791,356; Feb. 3.
Greene, Charles E., Winchester, assignor to E. B. Badger & Sons Company, Boston, Mass. Expansion joint and reenforcing the same. 1,835,298; Dec. 8.
Greene, Curtis, San Diego, Calif. Door or gate stop. 1,803,610; May 5.
Greene, Edgeworth, and W. H. Swenarton, Montclair, N. J. Apparatus for dishwashing. 1,794,169; Feb. 24.
Greene, Elmer E., Altoona, Pa. Weatherstrip. 1,838,544; Dec. 29.
Greene, Frank C., and I. F. Lauck, Seattle, Wash., assignors to Old Ben Coal Corporation, Chicago, Ill. Extracting values from coal and like material. 1,822,142; Sept. 8.
Greene, Frederick, New Eagle, Pa. Automatic gas lock. 1,788,290; Jan. 6.
Greene, Frederick E., Hamden, Conn., assignor to The Andrew B. Hendryx Company, New Haven, Conn. Birdcage stand. Des. 83,325; Feb. 17.
Greene, Frederick E., Hamden, Conn., assignor to The Andrew B. Hendryx Company, New Haven, Conn. Birdcage stand. Des. 83,395; Feb. 17.
Greene, Gerald U., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Separation of metals. 1,821,634; Sept. 1.
Greene, Harlis C., et al. (See Norton, John S., assignor.)
Greene, Harlis C., Vallejo, assignor of one-third to J. S. Norton and one-third to W. F. Hollingsworth, San Francisco, Calif. Welder's hood. 1,800,623; Apr. 14.
Greene, James J., Liberty, N. Y., assignor to General Electric Company. Meter-controlled torque device. 1,793,315; Feb. 17.
Greene, John S. (See Caps, A. W., and Greene.)
Greene, John S., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic apparatus. 1,822,345; Sept. 8.
Greene John S., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic print exposing and handling apparatus. 1,824,265; Sept. 22.
Greene, John S., Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic print treating apparatus. 1,832,297; Nov. 17.
Greene, John S., and A. W. Caps, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I. Photographic apparatus. 1,827,392; Oct. 13.
Greene, John S., and A. W. Caps, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I. Photographic apparatus. 1,829,347; Oct. 27.
Greene, John S., and P. Landrock, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I. Photographic-print-treating apparatus. 1,796,366; Mar. 17.
Greene, John S., and P. Landrock, Rochester, N. Y., assignors to Photostat Corporation, Providence, R. I. Photographic print treating apparatus. 1,832,296; Nov. 17.
Greene, Marion, Montclair, N. J. Doll. Des. 84,414; June 16.
Greene Manufacturing Company. (See Albert, Carl P., assignor.)
Greene, Oliver W., Pittsfield, Mass., assignor to General Electric Company. Centrifuge bucket. 1,827,648; Oct. 13.
Greene, Oscar V., Cleveland, Ohio. Self cleaning filter. 1,818,391; Aug. 11.
Greene, Vergil O., Kansas City, Mo. Radiator ornament. Des. 85,041; Sept. 8.
Greene, William H., Long Beach, Calif. Guide attachment for fishing reels. 1,792,371; Feb. 10.
Greenebaum, Samuel, Kansas City, Mo. Covering. 1,815,404; July 21.
Greenewalt, Mary H., Philadelphia, Pa. Current-translating mechanism. 1,793,284; Feb. 17.
Greenewalt, Mary H., Philadelphia, Pa. Lighting appliance. 1,820,899; Aug. 25.
Greenfield, Benjamin. (See Klees, A. L., and Greenfield.)
Greenfield, Benjamin, Bartlesville, Okla., assignor to Doharty Research Company, New York, N. Y. Regulation of combustion of fuel in furnaces. 1,833,607; Nov. 24.
Greenfield Tap and Die Corporation. (See Drake, Alden M., assignor.)
Greenfield Tap & Die Corporation. (See Duchesne, Ernest, assignor.)
Greenfield Tap & Die Corporation. (See Foley, Michael J., assignor.)
Greenfield Tap & Die Corporation. (See Judge, Franklin, assignor.)
Greenhalgh, Ernest. (See Ellis, G. H., and Greenhalgh.)
Greenheck, William, Lone Rock, Wis. Continuous pressure cheese press. 1,833,460; Nov. 24.
Greenhill, Harold, Chicago, Ill. Vending machine. 1,823,896; Sept. 22.
Greenhouse, Samuel, Brooklyn, N. Y. Bottling machine. 1,806,971; May 26.
Greenhouse, Samuel, Akron, Ohio. Bottle filling machine. 1,836,796; Dec. 15.
Greenidge, Samuel M., Thurber, Tex. Packing for pistons and the like. 1,825,185; Sept. 29.
Greening, Herald B., Hamilton, Ontario, Canada, and J. W. Galloway, Detroit, Mich., assignors to Galloway Engineering Company Limited, Hamilton, Ontario, Canada. Two-cycle valved piston. 1,799,511; Apr. 7.
Greening, Herald B., Hamilton, Ontario, Canada, and J. W. Galloway, Detroit, Mich., assignors to Galloway Engineering Company, Limited, Hamilton, Ontario, Canada. Two cycle internal combustion engine swash plate construction. 1,804,010; May 5.
Greening, Herald B., Hamilton, Ontario, Canada, and J. W. Galloway, Detroit, Mich., assignors to Galloway Engineering Company Limited, Hamilton, Ontario, Canada. Two cycle radial engine. 1,811,625; June 23.
Greenlaw, Burpee D., assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass. Rip string envelope. 1,821,011; Sept. 1.
Greenleaf, John W., and E. A. Mau, assignors to Rockbestos Products Corporation, New Haven, Conn. Detector for insulated-wire machines. 1,792,979; Feb. 17.
Greenleaf, Ray, New York, N. Y. Color system for disguising objects. 1,822,926; Sept. 15.
Greenleaf, William H., Hartford, Conn., assignor to Western Clock Company, Peru, Ill. Power controlling mechanism for timepieces. 1,796,890; Mar. 17.
Greenleaf, William H., Hartford, Conn., assignor to Western Clock Company, Peru, Ill. Switch accelerator for clocks. 1,822,927; Sept. 15.
Greenlee Bros. & Co. (See Abramson, J. H., and Swanson, assignors.)
Greenlee Bros. & Co. (See Mansfield, J. H., and Penrose, 1,837,659; Dec. 22.
Greenlee Bros. & Co. (See Swanson, Edwin C., assignor.)
Greenlee, Elbert R., Kansas City, Kans. Air brake. 1,803,798; May 5.
Greenlee, Walter R., assignor to Puritan Malt Extract Co., Chicago, Ill. Tape moistener. 1,823,600; Sept. 15.
Greenley, Alvin W., Waterloo, Iowa. Protected grating. 1,803,272; Apr. 28.
Greenley, Jay H., Strongsville, Ohio. Automatic control system for vehicles. 1,804,257; May 5.
Greenley, Jay H., Buffalo, N. Y. Power hammer. 1,812,650; June 30.
Greenpoint Metallic Bed Co. (See Basile, Joseph, assignor.)
Greenpoint Metallic Bed Co. (See Frank, B. M., and Basile, assignors.)
Greenspan, Irving, Brooklyn, N. Y. Tennis racket. 1,832,298; Nov. 17.
Greenstreet, Charles J., St. Louis, Mo. Engine fuel and producing and using the same. 1,800,997; Apr. 14.
Greenstreet, Mildred L., St. Louis, Mo. Convertible bench. 1,792,737; Feb. 17.
Greenstreet, Oliver P., Owensville, Mo. Mop wringer. 1,796,754; Mar. 17.
Greenwald, David, New York, N. Y. Roof. 1,817,619; Aug. 4.
Greenwald, David, New York, N. Y. Airplane hangar door. 1,830,653; Nov. 3.
Greenwald, Harold A., assignor to T. C. Whitehead, Detroit, Mich. Refrigerant control. 1,797,954; Mar. 24.
Greenwald, Harold A., assignor to T. C. Whitehead, Detroit, Mich. Seal construction. 1,802,813; Apr. 28.
Greenwald, Lawrence H., New York, N. Y. Manufacture of stockings. 1,837,616; Dec. 22.
Greenwald, Sadie, Brooklyn, N. Y. Lipstick case and fabric wiper. 1,838,758; Dec. 29.
Greenway, Samuel J., assignor to Illinois Watch Case Company, Elgin, Ill. Watch stem. 1,834,152; Dec. 1.
Greenwold, Harold A., assignor to T. C. Whitehead, Detroit, Mich. Power transmitting device. 1,826,172; Oct. 6.
Greenwood Associates. (See Greenwood, Marcus J., assignor.)
Greenwood, Frank, and S. J. Appleyard, Bradford, England. Machine for polishing or glossing collars, cuffs, and the like. 1,789,741; Jan. 20.
Greenwood, Fred M., St. Johns, Mich. Combined license carrier and key ring. 1,795,555; Mar. 10.
Greenwood, George E., San Francisco, Calif. Form hanger. 1,821,969; Sept. 8.
Greenwood, Henry B., assignor to F. X. Hopper Company, Inc., Glenarm, Md. Bearing support for composition inking rollers. 1,837,617; Dec. 22.
Greenwood, Marcus J., assignor to Greenwood Associates, Gardner, Mass. Extension table. 1,805,213; May 12.
Greenwood, Richard F., New York, N. Y. Railroad tie of composite reenforced concrete. 1,788,913; Jan. 13.
Greenwood, Robert A., Chelsea, London, England. Sanitary liquid trap. 1,810,240; June 16.
Greenwood, Talma T., East Templeton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch. 1,794,682; Mar. 3.
Greenwood, Talma T., East Templeton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electrical distribution system and sectionalizing switch therefor. 1,794,683; Mar. 3.
Greenwood, Talma T., East Templeton, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Contact structure for electric switches. 1,798,375; Mar. 31.
Greenwood, Talma T., East Templeton, Mass., assignor, to Condit Electrical Manufacturing Corporation, South Boston, Mass. Control house for electric distribution systems. 1,798,376; Mar. 31.
Greenwood, Talma T., East Templeton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Oil immersed vacuum type switch. 1,801,736; Apr. 21.

Greenwood, Talma T., East Templeton, Mass., assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass., a Corporation of Massachusetts. Electric switch and arc extinguishing method. 1,825,228; Sept. 29, 1931.
Greenwood, Talma T., East Templeton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and contact structure. 1,827,430; Oct. 13.
Greenwood, Talma T., East Templeton, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electric switch. 1,827,516; Oct. 13.
Greenwood, Talma T., East Templeton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Magnetically engaged contact members for electric switches. 1,827,940; Oct. 20.
Greenwood, Talma T., East Templeton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Method and apparatus for interrupting electric circuits. 1,832,200; Nov. 17.
Greenwood, Talma T., East Templeton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Circuit interrupter. 1,832,201; Nov. 17.
Greenwood, Talma T., East Templeton, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, South Boston, Mass. Circuit controlling device. 1,834,306; Dec. 1.
Greenwood, Talma T., East Templeton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and arcing members therefor. 1,837,812; Dec. 22.
Greer, Edward R., Minneapolis, Minn. Tractor hitch. 1,799,846; Apr. 7.
Greer, Everett S., Zanesville, Ohio, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Glass-feeding mechanism. 1,790,984; Feb. 3.
Greer, Frederick W., Cambridge, Mass. Confection conveying machine. 1,807,338; May 26.
Greer, Frederick W., Cambridge, Mass. Confection coating machine. 1,828,405; Oct. 20.
Greer, John H., assignor to Bankers Utilities Co., San Francisco, Calif. Bank. 1,827,888; Oct. 20.
Greer, Lee C., and C. W. Lee, Johnson City, Tenn. Pneumatic toy. 1,796,599; Mar. 17.
Greer, Robert L. (See Mapson, Robert L., assignor.)
Greer Steel Company. (See Cappel, H. C., and Gross, assignors.)
Greer, Tony S., Sacramento, Calif. Combination gas tank cap and feed supply lock. 1,805,868; May 19.
Greet, William H., Starkville, Colo. Battery-terminal puller. 1,796,927. Mar. 17.
Greffe, André. (See Mathieu, E., Perrin, Greffe, and Cavalieri.)
Gregarek, Otto, Philadelphia, Pa. Combined insole and arch support. 1,804,009; May 5.
Gregarek, Otto, Philadelphia, Pa. Combined heel and arch support. 1,808,460; June 2.
Gregarek, Otto, Philadelphia, Pa. Combined insole and arch support. 1,808,461; June 2.
Gregg, Bessie L. (See Haselton, Page S., assignor.)
Gregg Company, The. (See Gregg, Louis D., assignor.)
Gregg Company, Limited, The. (See Gregg, Otis T., assignor.)
Gregg, Louis D., assignor to The Gregg Company, Ltd., Hackensack, N. J. Railway brake mechanism. 1,791,670; Feb. 10
Gregg, Maxwell G., Ridgefield Park, N. J., assignor to The Flintkote Company, Boston, Mass. Apparatus for making emulsions. 1,789,897; Jan. 20.
Gregg, Otis T., Hackensack, N. J., assignor to The Gregg Company, Limited, New York, N. Y. Box car. 1,791,058; Feb. 3.
Gregg, William K., Fort Wayne, Ind., assignor to General Electric Company. Furnace. 1,836,795; Dec. 15.
Greggersen, Hans. (See Hentschel H., and Greggersen.)
Greggersen, Hans, Hamburg, Germany. Autogenous cutting apparatus. 1,801,916; Apr. 21.
Gregoire, Victor, Lake Andes, S. Dak. Steering wheel brake for tractors. 1,804,333; May 5.
Gregory, Frank H., McAllen, Tex. Sack. 1,808,034; June 2.
Gregory, George R. (See Rymal, Cecil H., assignor.)
Gregory, Harold D., Haddonfield, N. J., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Dispensing device for stacked articles. 1,809,690; June 9.
Gregory, Harold D., Haddonfield, N. J., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Dispensing device for stacked articles. 1,809,691; June 9.
Gregory, William A., Salt Lake City, Utah. Telephone call list. 1,832,458; Nov. 17.
Gregson, George C., Belleville, N. J., assignor to American Cable Company. Stranding machine head. 1,809,032; June 9.
Gregson, Oswald G., West Perth, Western Australia, Australia. Sectional auxiliary rim and bracket for vehicle wheels. 1,806,532; May 19.
Greider, Harold W., Plymouth Meeting, Pa., assignor to The Philip Carey Manufacturing Company. Heat insulation material and composition. 1,819,893; Aug. 18.
Greif, L., & Bro. Inc. (See Walshe, Robert J., assignor.)
Greig, Emile. (See Willson, E. A., Woodman, and Greig.)
Greig, James W. (See Toncray, M. H., and Greig.)
Greig, James W., Grosse Pointe, Mich. Automobile window operator. 1,811,790; June 23.
Greig, James W., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Ventilator for automobiles. 1,817,140; Aug. 4.
Greiling, David J., Cleveland Heights, assignor to The Bishop-Babcock Manufacturing Co., Cleveland, Ohio. Refrigerating cabinet. 1,821,093; Sept. 1.
Greim, Walther, Berlin, assignor to Siemens-Bauunion Gesellschaft mit beschrankter Haftung Kommanditgesellschaft, Berlin-Siemensstadt, Germany. Supporting structure. 1,809,272; June 9.
Greiman, George H., Garner, Iowa. Trench tractor. 1,817,367; Aug. 4.
Greiner, Adolph, and C. J. Long, Milford, Mich. Valve construction. 1,806,972; May 26.
Greiner, Fritz, Stuttgart-Cannstatt, assignor to Maschinenfabrik Esslingen, Esslingen, Germany. Manufacturing gray pig iron. 1,826,211; Oct. 6.
Greiner, Josef, Vienna, Austria, assignor to G. A. Ungar and E. Benjamin, New York, N. Y. Capsule of microphones. 1,827,229; Oct. 13.
Greis, Frederick A., Lynbrook, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,822,438; Sept. 8.
Greis, Theodor, Krefeld, Germany. Roll for calendering machines. 1,795,556; Mar. 10.
Greist, Hubert M., and H. F. Thurber, assignors to Greist Manufacturing Company, New Haven, Conn. Lamp shade. Des. 84,739; July 28.
Greist Manufacturing Company, The. (See Balzano, Oresto, assignor.)
Greist Manufacturing Company, The. (See Elwell, George H., assignor.)
Greist Manufacturing Company. (See Greist, H. M., and Thurber, assignors.)
Greist Manufacturing Company, The. (See Hinman, George L., assignor.)
Greist Manufacturing Company, The. (See Maasho, H. A., Greist, and Carmichael, assignors.)
Greist Manufacturing Company, The. (See Maashoff, H., and Pratt, assignors.)
Greist Manufacturing Company, The. (See Maashoff, Hugo, assignor.)
Greist, Raymond L., assignor to A. Hoffman Manufacturing Company, Chicago, Ill. Article-supporting device. 1,800,387; Apr. 14.
Greist, Walter C. (See Maashoff, H. A. Greist, and Carmichael.)
Grelle, Charles E. (See Raymond, William I., assignor.)
Gremel, Caroline, executrix. (See Gremel, Frank J., assignor.)
Gremel, Frank J., deceased, Detroit, Mich., C. Gremel, executrix. Braced mold wall. 1,823,195; Sept. 15.
Gremminger, Ernest, Mill Valley, Calif. Rotary spring stuffing box. 1,826,212; Oct. 6.
Grenagle, James B., assignor of one-half to W. W. Varney, Baltimore, Md. Mold lining. 1,827,742; Oct. 20.
Grenagle, James B., assignor of one-half to W. W. Varney, Baltimore, Md. Nonferrous alloy. 1,831,241; Nov. 10.
Grenaudier, Louis, Paris, France. Recovery of paste from printed paper, and chiefly wood paste. 1,791,445; Feb. 3.
Grennan Bakeries, Inc. (See Marsh, Henry, assignor.)
Grennan, Philip H., Detroit, Mich. Display device. 1,818,247; Aug. 11.
Gresham, Floyd M. (See Robertson, Ivy B., assignor.)
Gresley, Herbert N. (See Yarrow, H. E., and Gresley.)
Gresser, Peter, Detroit, Mich. Grease gun. 1,818,539; Aug. 11.
Gressly, Alfred, Frankfort-on-the-Main-Mainkur, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacture of new disazodyestuffs. 1,787,676; Jan. 6.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Direct-developed azo dyestuffs. 1,790,807; Feb. 3.
Grether, Ernest F., and J. P. Belsley, assignors to The Dow Chemical Company, Midland, Mich. Making antipyrine. 1,792,833; Feb. 17.
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Derivative of para-hydroxydiphenyl. 1,832,484; Nov. 17.
Grether, Fritz, assignor to the Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Dyeing silk fast tints. 1,833,249; Nov. 24.
Gretsch, Fred, Brooklyn, N. Y. Banjo rim. 1,793,363; Feb. 17.
Greune, Heinrich. (See Kranzlein, G., Greune, Thiele, and Hager.)
Greune, Heinrich. (See Kranzlein, G., Vollmann, Greune, and Wolfram.)
Greune, Heinrich, Hochst-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Process for preparing naphthalene-1.4.5.8-tetracarboxylic acid. 1,803,182; Apr. 28.
Greuniesen, Emil N., Sioux City, Iowa. Submarine aircraft carrier. 1,828,655; Oct. 20.
Greuter, Charles R., Indianapolis, Ind. Supercharging apparatus for internal combustion engines. 1,835,299; Dec. 8.
Greutman, William J., Miller, Nebr. Wire-fence stretcher. 1,792,535; Feb. 17.
Greutman, William J., C. A. Shook, and M. F. Brandt, Miller, Nebr. Wrench. 1,816,968; Aug. 4.

Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Traveling block. 1,796,250; Mar. 10.
Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Traveling block. 1,796,251; Mar. 10.
Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Pump valve. 1,796,252; Mar. 10.
Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Casing elevator. 1,805,519; May 19.
Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Rotary drilling apparatus. 1,809,444; June 9.
Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Clutch for reversing mechanism. 1,835,153; Dec. 8.
Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Reverse clutch pulley mechanism. 1,835,565; Dec. 8.
Greve, Edgar E., Bellevue, assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Self aligning shaft end bearing. 1,838,615; Dec. 29.
Greve, Herman L., Hollis, assignor to International Mailing Tube and Wrapper Company, Brooklyn, N. Y. Carton for shipping purposes. 1,822,575; Sept. 8.
Greve, Herman L., Hollis, assignor to International Mailing Tube & Wrapper Company, Brooklyn, N. Y. Mailing carton for books. 1,822,576; Sept. 8.
Greve, Louis W., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Amphibian shock absorber. 1,791,721; Feb. 10.
Greve, Louis, W., assignor to The Champion Machine & Forging Company, Cleveland, Ohio. Forming pistons. 1,835,863; Dec. 8.
Grey, Chester, et al. (See Dickinson, James C., assignor.)
Gribbens, Jessie M., Chicago, Ill. Window shade protector. 1,838,759; Dec. 29.
Gribbie, John M., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Lock-washer. 1,824,991; Sept. 29.
Gribble, Emmett H., South Sioux City, Nebr. Combination vehicle trunk and carrier. 1,791,722; Feb. 10.
Gridley, George O., Berlin, assignor to The New Britain-Gridley Machine Company, New Britain, Conn. Metal-working machine. 1,796,867; Mar. 17.
Grier, Kenneth M., North Hollywood, assignor to Kaymo Electric Speed Boat Corporation, Ltd., Los Angeles, Calif. Electric motor boat. 1,832,808; Nov. 17.
Grier Press, Incorporated. (See Wilcox, Robert A., assignor.)
Griesemer, John C., Reading, Pa. Lighter filling station. 1,813,398; July 7.
Grieshaber, Fritz. (See Bommer, M., de Montmöllin, Frohlich, Grieshaber, Jaeck, and Felix.)
Grieshaber, Hugo E., New London, assignor to Electric Boat Company, Groton, Conn. Bridge support for submarines. 1,793,796; Feb. 24.
Grieshaber, Hugo E., New London, assignor to Electric Boat Company, Groton, Conn. Emergency fuel-tank sea valve. 1,796,200; Mar. 10.
Grieshaber, Hugo E., New London, assignor to Electric Boat Company, Groton, Conn. Mine laying submarine. 1,802,013; Apr. 21.
Grieshaber, Hugo E., New London, assignor to Electric Boat Company, Groton, Conn. Escape hatch for submarines. 1,802,943; Apr. 28.
Grieshaber, Hugo E., New London, assignor to Electric Boat Company, Groton, Conn. Salvage and rescue submarine. 1,814,689; July 14.
Grieshaber, Hugo E., New London, assignor to Electric Boat Company, Groton, Conn. Submarine boat. 1,815,904; July 28.
Grieshaber, Hugo E., New London, assignor to Electric Boat Company, Groton, Conn. Dry mine laying submarine. 1,819,022; Aug. 18.
Griess, Justin W., Cincinnati, Ohio. Spraying machine. 1,826,774; Oct. 13.
Griess Pfleger Tanning Company, The. (See Bobritsky, Vladimir, assignor.)
Griessbach, Robert. (See Eisele, J., Griessbach, and Heuck.)
Griessbach, Robert. (See Luther, M., Pungs, Griessbach, and Heuck.)
Griessbach, Robert. (See Mittasch, A., Lucas, and Griessbach.)
Griessbach, Robert, Ludwigshafen-on-the-Rhine, and E. Koch, Mannheim-Feudenheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of sugars from cellulosic material. 1,793,084; Feb. 17.
Griessbach, Robert, and Otto Ambros, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cattle fodder. 1,806,290; May 19.
Grieve, Medford A. (See Rodet, P. M., Christensen, and Grieve.)
Grieve, Thomas S., Leicester, England. Circular knitting machine. 1,806,996; May 26.
Grieves, Harry H., and E. D. Fauth, assignor to Standard Oil Company, Whiting, Ind. Ornamented candle. 1,805,171; May 12.
Griffin, Albert D., assignor of one-third to H. L. Horton, and one-third to E. M. Buckius, Los Angeles, Calif. Boiler control device. 1,825,690; Oct. 6.
Griffin, Alvah M., Kansas City, Mo., assignor to Andrew A. Kramer. Tank structure. 1,801,501; Apr. 21.
Griffin, Cecil M., Pittsburgh, Pa. Tube cleaner. 1,814,752; July 14.
Griffin, Clifford W., Lebanon, Tenn. Metal door and window support. 1,808,218; June 2.
Griffin, Earl R., Lombard, Ill., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,801,078; Apr. 14.
Griffin, Ellegood V., T. J. Marriner, and E. R. Parson, New Bern, N. C. Brake releasing device. 1,831,301; Nov. 10.
Griffin, James H. (See Kisby, Charles A., assignor.)
Griffin, James H. (See Waldron, F. B., and Griffin.)
Griffin, John W., Bronx, N. Y. Razor blade holder. 1,837,862; Dec. 22.
Griffin, Joseph F., Teaneck, N. J., assignor to The Superheater Company, New York, N. Y. Exhaust steam operated auxiliaries. 1,835,773; Dec. 8.
Griffin, Joseph F., Teaneck, N. J., and A. Williams, Flushing, assignors to The Superheater Company, New York, N. Y. Exhaust steam injector. 1,821,153; Sept. 1.
Griffin Manufacturing Company. (See Aste, Robert L., assignor.)
Griffin, Thomas W., Detroit, Mich. Chock block. 1,789,651; Jan. 20.
Griffis, Nellie W., Gresham, Oreg. Table. 1,800,685; Apr. 14.
Griffith Camera Corporation, Ltd. (See Griffith, Graves, assignor.)
Griffith, Charles R., Portland, Oreg. Pulley. 1,793,927; Feb. 24.
Griffith, Charles T., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Stocking form. 1,813,848; July 7.
Griffith, Earl G., Glendale, Calif. Conveyer control. 1,829,087; Oct. 27.
Griffith, Earl W., Dalhart, Tex. Rotary valve. 1,806,016; May 19.
Griffith, Eligy P., Gainesville Tex. Boll weevil exterminator. 1,823,196; Sept. 15.
Griffith, Francis. (See d'Humy, F. E., Birkmeyer, and Griffith.)
Griffith, Francis, Passaic, and M. B. Smith, East Orange, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Clearing out strap for belt conveyers. 1,833,874; Nov. 24.
Griffith, George G., et al. (See Hilstad, John R., assignor.)
Griffith, Graves, assignor to Griffith Camera Corporation, Ltd., San Francisco, Calif. Elimination of distortion and the creation of stereoscopic effects in moving pictures. 1,819,327; Aug. 18.
Griffith-Hope Company. (See Hope, Samuel N., assignor.)
Griffith-Hope Company, et al. (See Shotwell, Frederic V., assignor.)
Griffith, Hurwood W. Geyserville, Calif. Table and reading attachment for wheel chairs. 1,790,808; Feb. 3.
Griffith, Jeane, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 85,867; Dec. 29.
Griffith, Jeane, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 85,868; Dec. 29.
Griffith, Jesse E., Albion, Nebr. Fence tool. 1,794,766; Mar. 3.
Griffith, Morgan J., Cleveland, Ohio. Automatic snow removing device. 1,818,989; Aug. 18.
Griffith, William A., and W. L. Myers, Holly, Colo. Sound post for stringed musical instruments. 1,805,172; May 12.
Griffith, William B., Audubon, N. J., assignor to Star Sprinkler Corporation. Accelerated dry-pipe valve. 1,790,467; Jan. 27.
Griffith, William B., Audubon, N. J., assignor to Star Sprinkler Corporation. Dry pipe valve. 1,805,241; May 12.
Griffith, Winfred S., assignor to Graton & Knight Company, Worcester, Mass. Belt-skiving machine. 1,797,979; Mar. 24.
Griffith, Winfred S., assignor to Graton & Knight Company, Worcester, Mass. Machine for making cup washers. 1,830,272; Nov. 3.
Griffiths, Alfred, Strand, London, assignor to Kleenglas (1929) Limited, London, England. Receptacle cleaning means. 1,814,508; July 14.
Griffiths, Alfred, assignor to Kleenglas (1929) Limited, London, England. Machine for washing tumblers and like liquid receptacles. 1,838,940; Dec. 29.
Griffiths, Evelyn E., Mumbles, Wales. Conveyer for annealing furnaces. 1,788,866; Jan. 13.
Griffiths, Leonard. (See Young, A. P., and Griffiths.)
Griffiths, Leonard, and C. J. Morton, Coventry, England, assignors to General Electric Company. Induction coil. 1,808,548; June 2.
Griffiths, Manfred E., Stowmarket, England, assignor, by mesne assignments, to The A. S. Boyle Company, Cincinnati, Ohio. Plastic composition. 1,838,618; Dec. 29.
Griffiths, Richard T., Akron, Ohio, assignor, by mesne assignments, to Miller Rubber Company Inc., Wilmington, Del. Hand grip sleeve and making same. 1,822,212; Sept. 8.

Griffiths, Richard T., Akron, Ohio, assignor, by mesne assignments, to Miller Rubber Company Inc., Wilmington, Del. Manufacturing vulcanized shoes. 1,834,582; Dec. 1.
Griffiths, Warren P. (See Lee, Charles F., assignor.)
Griffiths, William D. (See Davies, D. B., and Griffiths.)
Griffoul, Henry M., San Jose, Calif. Dehydrator. 1,805,173; May 12.
Griffoul, Marcel, Paris, France. Change speed device. 1,802,505; Apr. 28.
Grigg, Jesse M., Chicago, Ill. Oscillating heterodyne detector. 1,803,247; Apr. 28.
Griggs, Elmer, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric control circuits. 1,809,625; June 9.
Griggs, Elmer V. (See Adams, R. R., and Griggs.)
Griggs, Stephen A. (See Blackmer, Robert M., assignor.)
Griggs, Stephen A. (See Higbee, James F., assignor.)
Grigsby, Albert R., Kansas City, Mo., and H. Brown, Kansas City, Kans., assignors to Universal Toy Corporation, Kansas City, Kans. Vehicle. 1,794,170; Feb. 24.
Grigsby-Grunow Company. (See Burton, Frank C., assignor.)
Grigsby-Grunow Company. (See Ely, Cornelius G., assignor.)
Grigsby-Grunow Company. (See Grunow, William C., assignor.)
Grigsby Grunow Company. (See Jordan, James D., assignor.)
Grigsby-Grunow Company. (See Perry, Arthur R., assignor.)
Grigsby-Grunow Company. (See Wiegand, August J., assignor.)
Grigsby, Owen E., Park Ridge, assignor to Ryan Manufacturing Corporation, Chicago, Ill. Power adjusted road grader. 1,815,252; July 21.
Grigsby, Owen E., and G. D. Haines, Park Ridge, assignors, by mesne assignments, to Porcelain Tile Corporation, Chicago, Ill. Tiled wall or the like. 1,836,964; Dec. 15.
Grill, Albert, Watkins, Minn. Egg saver trap. 1,828,406; Oct. 20.
Grill, Selma, administratrix. (See Schmidt, William F.)
Grilli, John P., assignor to H. A. Brassert & Company, Chicago, Ill. Gas washer. 1,823,269; Sept. 15.
Grilli, John P., and H. L. Wetherbee, assignor to H. A. Brassert & Company, Chicago, Ill. Checkerwork. 1,815,905; July 28.
Grimditch, William H. (See Holland, W. E., and Grimditch.)
Grimes, Charles P. (See Casler, H., and Grimes, assignors.)
Grimes, David, Grasmere, assignor to Grimes Radio Engineering Company, Inc., New York, N. Y. Method and apparatus for making graphical representations at a distance. 1,822,868; Sept. 8.
Grimes, Harry M., deceased, Kokomo, Ind., by H. Morrison, Richmond, Va., assignee. Games. Re17,919; Jan 6.
Grimes, James E., assignor, by mesne assignments, to National Cantube Corporation Inc., Chicago, Ill. Container. 1,818,707; Aug. 11.
Grimes Radio Engineering Company. (See Grimes, David, assignor.)
Grimley, Donald G., Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High and low frequency transmission circuits. 1,788,714; Jan. 13.
Grimm, Charles, Brooklyn, N. Y. Incandescent lamp socket. 1,832,299; Nov. 17.
Grimm, Edward, assignor to J. O. Evans, Cleveland, Ohio. Toy parachute. 1,795,946; Mar. 10.
Grimm, Frank V. (See Lemmon, N. E., and Grimm.)
Grimm, George, Menlo, Wash. Loading mechanism for trucks and other carriers. 1,813,158; July 7.
Grimm, George E., assignor to The Willys-Overland Company, Toledo, Ohio. Steering column packing. 1,803,013; Apr. 28.
Grimm, George E., assignor to The Willys-Overland Company, Toledo, Ohio. Cowl ventilator. 1,809,589; June 9.
Grimm, George E., assignor to The Willys-Overland Company, Toledo, Ohio. Automobile body. 1,832,845; Nov. 24.
Grimm, Harry A., et al. (See Hartsook, Clarence G., assignor.)
Grimm, Warren W., Nacogdoches, Tex. Refining hydrocarbon liquids under high vacuum. 1,832,202; Nov. 17.
Grimm, William K., Elkhart, Ind. Motion picture apparatus. 1,804,685; May 12.
Grimmer, Joseph. (See Mayer, Bertram, and Grimmer.)
Grimsrud, Gustave, Antelope, Mont. Safety release hitch. 1,798,979; Mar. 31.
Grindal, Morten, Motala, Verkstad, Sweden. Packing sand in foundry molds and cores. 1,816,774; July 28.
Grindberg, Edwin. (See Pederson, N., and Grindberg.)
Grindle, Aubrey J., assignor to Pulverized Fuel Equipment Co., Chicago, Ill. Coal mill. 1,798,465; Mar. 31.
Grindle Fuel Equipment Co. (See Taylor, Clarence R., assignor.)
Grindrod, George, Oconomowoc, assignor to Grindrod Process Corporation, Waukesha, Wis. Apparatus for heat treating goods. 1,797,769; Mar. 24.

Grindrod, George, Oconomowoc, assignor to Grindrod Process Corporation, Waukesha, Wis. Food product and manufacturing the same. 1,798,120; Mar. 24.
Grindrod, George, Oconomowoc, assignor to Grindrod Process Corporation, Waukesha, Wis. Treating foods. 1,819,023; Aug. 18.
Grindrod Process Corporation. (See Grindrod, George, assignor.)
Grine, Harry A., Clarksburg, W. Va., assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Zinc condenser. 1,803,611; May 5.
Gring, George W., Berkeley, Calif. Insect poison feeder. 1,815,652; July 21.
Grinke, Wilhelm, Hemelinger, near Bremen, Germany. Machine for cleaning timbers especially boards, beams, or the like. 1,816,969; Aug. 4.
Grinnell, Harold D., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass. Lamp clutch. 1,792,834; Feb. 17.
Grinnell, Harold D., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass. Lamp bulb removing mechanism. 1,806,557; May 19.
Grinnell, Harold D., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass. Cord coupling. 1,813,399; July 7.
Grinwald, Edward J., Seattle, Wash. Smoker's table protector. 1,818,617; Aug. 11.
Grisbaum, Leonard D., assignor to Railway Service & Supply Corporation, Indianapolis, Ind. Oil reclamation. 1,791,473; Feb. 3.
Grisbaum, Leonard D., assignor to Railway Service & Supply Corporation, Indianapolis, Ind. Method of and apparatus for reclaiming oils. 1,791,474; Feb. 3.
Grischy, William B. (See Splain, Walter E., assignor.)
Griscom-Russell Company, The. (See Brown, Stanley, assignor.)
Griscom-Russell Company, The. (See Price, Joseph, assignor.)
Griscom-Russell Company, The. (See Ris, Kenneth B., assignor.)
Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus. 1,816,900; Aug. 4.
Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus. 1,816,901; Aug. 4.
Grisham, Luther L. (See Grisham, R. B., Vandivort, Grisham, L. I., and Miles.)
Grisham, Richard B., H. H. Vandivort, L. L. Grisham, and R. C. Miles, Elk Creek, Mo. Egg candling and handling device. 1,831,302; Nov. 10.
Grissinger, George G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Network protector. 1,798,667; Mar. 31.
Grist, Alpheus C. (See Peek, H. H., and Grist.)
Griswell, Edward W., et al. (See Hutchinson, Harry, assignor.)
Griswold, Albert A., Providence, R. I. Roll-roofing fastener. 1,794,072: Feb. 24.
Griswold, Darwin G., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Polishing machine for spoons. 1,817,554; Aug. 4.
Griswold, Donald G. (See Davis, G. C., and Griswold.)
Griswold, Edward H., Ponca City, Okla., and J. Nicklos, Fort Worth, Tex., assignors to Continental Oil Company, Ponca City, Okla. Device for controlling the flow of oil and gas from wells. 1,837,542; Dec. 22.
Griswold, Glen G., Madison, Ohio. Display case. 1,794,894; Mar. 3.
Griswold Manufacturing Company, The. (See Fromknecht, Bernard M., assignor.)
Griswold Manufacturing Company, The. (See Schuldt, John L., assignor.)
Griswold, Robert G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Heavy duty flexible power transmission. 1,832,300; Nov. 17.
Griswold, Roger W., 2d, Huntington, N. Y. Aeroplane. 1,801,344; Apr. 21.
Griswold, Stanley E., Los Angeles, Calif. Door for panels. 1,799,164; Apr. 7.
Griswold, Thomas, Jr., assignor to The Dow Chemical Company, Midland, Mich. Making phenols. 1,821,800; Sept. 1.
Griswold, Thomas, jr., assignor to The Dow Chemical Company, Midland, Mich. Hydrolysis of halogenated benzene. 1,833,485; Nov. 24.
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,817,187; Aug. 4.
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Damping device. 1,830,105; Nov. 3.
Gritt, Frank, assignor to Gritt, Inc., Indianapolis, Ind. Lamp for producing illuminated motion effects. 1,809,164; June 9.
Gritt, Frank, assignor, by mesne assignments, to Gritt, Inc., Indianapolis, Ind. Display device. 1,818,248; Aug. 11.
Gritt, Frank A., assignor to Gritt, Inc., Indianapolis, Ind. Lamp. Des. 84,740; July 28.
Gritt, Frank A., assignor, by mesne assignments, to Gritt, Inc., Indianapolis, Ind. Motion simulating device. 1,832,627; Nov. 17.
Gritt, Inc. (See Gritt, Frank, assignor.)

Gritt, Inc. (See Gritt, Frank A., assignor.)
Grivin, Adolphe, Long Island City, assignor to Sea Island Mills, Inc., New York, N. Y. Textile fabric or similar article. Des. 84,695; July 21.
Grivin, Adolphe, Long Island City, assignor to Sea Island Mills, Inc., New York, N. Y. Textile fabric or similar article. Des. 84,696; July 21.
Grivin, Johann, Riga, Latvia. Process and device for treating fuel-air-mixtures for internal combustion engines. 1,805,472; May 19.
Grobe, Julius J. (See Wantz, J. B., and Grobe.)
Groble Gas Regulating Company. (See Groble, Jacob C., assignor.)
Groble Gas Regulator Co. (See Groble, William C., assignor.)
Groble, Jacob C., assignor to Groble Gas Regulating Company, Anderson, Ind. Electrically-controlled pressure-regulating system. 1,788,429; Jan. 13.
Groble, Jacob C., assignor to Groble Gas Regulator Co., Anderson, Ind. Mushroom vent plug. 1,818,249; Aug. 11.
Groble, William C., assignor to Groble Gas Regulator Co., Anderson, Ind. Fluid pressure regulator. 1,819,288; Aug. 18.
Groehn, Otto J., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Oiling system for internal-combustion engines. 1,789,384; Jan. 20.
Groehn, Otto J., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Method of and apparatus for making automobile doors. 1,804,607; May 12.
Groehn, Otto J., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Apparatus for trimming body panels. 1,809,843; June 16.
Groehn, Otto J., Grosse Point Park, assignor to Hudson Motor Car Company, Detroit, Mich. Die press. 1,812,046; June 30.
Groehn, Otto J., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Automobile body construction. 1,813,400; July 7.
Groehn, Otto J., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Metal automobile body. 1,827,743; Oct. 20.
Groehn, Otto J., Grosse Pointe Park, and L. S. Lamb, Grosse Pointe, assignors to Hudson Motor Car Company, Detroit, Mich. Apparatus for shaping sheet metal. 1,809,844; June 16.
Groehn, Otto J., Grosse Pointe Park, and L. S. Lamb, Grosse Point, assignors to Hudson Motor Car Company, Detroit, Mich. Apparatus for shaping sheet metal. 1,812,045; June 30.
Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Motor traverse for lathes. 1,791,270; Feb. 3.
Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Automatic lathe. 1,818,128; Aug. 11.
Groenig, August, and G. H. Hobbs, Rupert, Idaho, assignors of one-third to R. W. Hudelson and H. B. Redford. Beet topper. 1,831,658; Nov. 10.
Groeniger, William C., Columbus, assignor of one-half to John C. Cromwell, Alliance, Ohio. Plumbing system. 1,830,106; Nov. 3.
Groetchen, Richard. (See Anstett, Edgar, assignor.)
Groetschel, Julius, Mannedorf, Switzerland. Spraying of webs of fabric and the like with different colors. 1,807,979; June 2.
Groff, Aaron, assignor to Groff Paper Company, St. Paul, Minn. Sanitary container for napkins. 1,792,087; Feb. 10.
Groff, Emil H., jr., Marine City, Mich. Toothbrush. 1,833,967; Dec. 1.
Groff, Joseph C., New York, N. Y. Converting the heat energy of fuel into useful working energy. 1,804,413; May 12.
Groff, Joseph C., Allentown, Pa. Fuel supplying and injecting pump for internal combustion engines of the self ignition type. 1,837,813; Dec. 22.
Groff Paper Company. (See Dahl, Edor, assignor.)
Groff Paper Company. (See Groff, Aaron, assignors.)
Groggins, Philip H., Washington, D. C., dedicated by assignment to the Government and the People of the United States of America. Preparing para-phenyl-orthobenzoyl-benzoic acid. 1,814,145; July 14.
Groggins, Philip H., Washington, D. C., dedicated by assignment to the Government and the People of the United States of America. Preparation of 4-halogen beta-phenyl-anthraquinone. 1,814,146; July 14.
Groggins, Philip H., Washington, D. C., dedicated by assignment to the Government and the People of the United States of America. Preparation of 2-halogen-beta-phenyl-anthraquinone. 1,814,147; July 14.
Groggins, Philip H., Washington, D. C., dedicated by assignments to the Government and the People of the United States of America. Preparation of 4-amino-beta-phenyl anthraquinone by ring closure. 1,814,148; July 14.
Groggins, Philip H., Washington, D. C., dedicated by assignments to the Government and the People of the United States of America. Preparation of 2-amino-beta-phenyl-anthraquinone by ring closure. 1,814,149; July 14.
Groh, Jacob B., Los Angeles, Calif. Radial power device. 1,813,288; July 7.
Grohoski, Frank C., South Chicago, Ill. Gas saving device. 1,817,555; Aug. 4.
Grometstein, Israel, Bronx, N. Y. Coffee percolator. 1,831,384; Nov. 10.
Grommet, Katie A., Oklahoma City, Okla. Egg beater. 1,801,154; Apr. 14.
Gronau, Emil, Gotha, Germany, assignor to Eugene Dietzgen Company, New York, N. Y. Process and apparatus for developing light-sensitive layers. 1,798,414; Mar. 31.
Gronbech, Christian E. A., Floral Park, N. Y. Ash tray. 1,799,897; Apr. 7.
Grondahl, Jens K., Red Wing, Minn. Electrical signaling system. 1,790,985; Feb. 3.
Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,789,898; Jan. 20.
Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway-crossing signals. 1,792,835; Feb. 17.
Grondahl, Lars O., Pittsburgh, and D. G. Ackerly, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electric apparatus. 1,802,014; Apr. 21.
Grondahl, Lars O., Pittsburgh, and P. N. Bossart, assignors to The Union Switch & Signal Company, Swissvale, Pa. Apparatus responsive to the passage of railway vehicles. 1,798,256; Mar. 31.
Grondahl, Lars O., Pittsburgh, and P. N. Bossart, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electric train signaling apparatus. 1,828,039; Oct. 20.
Gröndal, Johan, G., and C. L. Carlson, assignors to Patentaktiebolaget Grondal-Ramen, Stockholm, Sweden. Oven for dry distillation of shales and the like. 1,796,264; Mar. 10.
Grondona, Charles A., assignor to Peebles Processes Inc., San Francisco, Calif. Recovery of alkali metal compounds. 1,808,773; June 9.
Gröne, Josef, Hamborn, assignor to the firm Carl Zeiss, Jena, Germany. Tacheometric telescope. 1,788,830; Jan. 13.
Gröner, Christian F., Oslo, Norway. Dam. 1,814,509; July 14.
Gröner, Christian F., Oslo, and S. Kloumann, Snaroen, near Oslo, Norway. Arch dam. 1,806,255; May 19.
Groniger, Holmes B. (See Hobart, Joseph N., assignor.)
Groninger, Holmes B., Port Royal, Pa. Tuyère for blast furnaces. 1,793,849; Feb. 24.
Grönkwist, Oscar R., Katrineholm, Sweden. Apparatus for producing a lubricating oil mist. 1,824,540; Sept. 22.
Gronquist, Albin W., Brainerd, Minn., assignor of one-half to I. Ginsburg, Brainerd, Minn. Whistle. 1,826,129; Oct. 6.
Groom, John. (See Eppensteiner, W. F., and Groom.)
Groome, T. H., et al. (See Yeates, Derris B., assignor.)
Groove Lock Co. Inc. (See Berger, Charles, assignor.) Oct. 6.
Groove Lock Co. Inc. (See Leberman, Harry, assignor.)
Groove Lock Co. Inc. (See Zachman, William H., assignor.)
Groove Lock Co. Inc. (See Zeindlhofer, Anton, assignor.)
Gropp, Arne, Frederick, S. Dak. Quack grass eradicator. 1,832,546; Nov. 17.
Gropp, Louis. (See Schultz, Peter P., assignor.)
Gropper, Otto S., Woodside, N. Y. License-plate apparatus for automobiles. 1,792,635; Feb. 17.
Gros, Henry G., Oakville, assignor to The Waterbury Tool Company, Waterbury, Conn. Mooring apparatus for aircraft. 1,816,010; July 28.
Groshens, Victor, Roslyn, Pa. Rose. Pl. Pat. 5; Nov. 10.
Gross, Anna L., Philadelphia, Pa. Juice extractor. 1,809,410; June 9.
Gross, Arthur, New York, N. Y. Building structure. 1,789,070; Jan. 13.
Gross, Benjamin, New York, N. Y. Finger ring or article of similar nature. Des. 83,438; Feb. 24.
Gross, Benjamin & Edward J., Co. (See Gross, Edward J., assignor.)
Gross, Cecil, Elkins, W. Va. Grade-finding instrument. 1,798,324; Mar. 31.
Gross, Charles, Three Rivers, assignor to Fairbanks, Morse & Co., Chicago, Ill. Friction transmission. 1,814,381; July 14.
Gross, Edward B., Buffalo, N. Y. Space guard for dry-cleaning machines or the like. 1,815,732; July 21.
Gross, Edward J., New Rochelle, N. Y. Jewelry box or article of similar nature. Des. 83,607; Mar. 10.
Gross, Edward J., New Rochelle, N. Y. Jewelry box or article of similar nature. Des. 83,608; Mar. 10.
Gross, Edward J., New Rochelle, N. Y. Jewelry box or article or similar nature. Des. 83,964; Apr. 21.
Gross, Edward J., New Rochelle, N. Y. Finger ring or article of similar nature. Des. 84,284; June 2.
Gross, Edward J., New Rochelle, N. Y. Finger ring or article of similar nature. Des. 84,285; June 2.
Gross, Edward J., New Rochelle, N. Y. Finger ring or article of similar nature. Des. 84,286; June 2.
Gross, Edward J., New Rochelle, N. Y., assignor to Benjamin & Edward J. Gross Co., Inc., New York, N. Y. Finger ring or article of similar nature. Des. 85,234; Sept. 29.
Gross, Edward J., New Rochelle, N. Y., assignor to Benjamin & Edward J. Gross Co., Inc., New York, N. Y. Finger ring or article of similar nature. Des. 85,235; Sept. 29.

Gross, Edward J., New Rochelle, N. Y., assignor to Benjamin & Edward J. Gross Co., Inc., New York, N. Y. Finger ring or article of similar nature. Des. 85,236; Sept. 29.

Gross, Edward J., New Rochelle, N. Y., assignor to Benjamin & Edward J. Gross Co., Inc., New York, N. Y. Finger ring or article of similar nature. Des. 85,237; Sept. 29.

Gross, Elmer A., Erickson, British Columbia, Canada. Gate. 1,802,599; Apr. 28.

Gross, Elmer J., assignor to Chicago Gymnasium Equipment Company, Chicago, Ill. Basket-ball backboard. 1,789,363; Jan. 20.

Gross, Ernest. (See Pullman, J., and Gross.)

Gross, Fred G., Cincinnati, Ohio. Pipe bending machine. 1,837,040; Dec. 15.

Gross, George. (See Kohloff, Paul, assignor.)

Gross, Gertrude G., New York, N. Y. Slide box. 1,809,781; June 9.

Gross, Henry J., Chicago, Ill. Electric log. 1,827,941; Oct. 20.

Gross, John B., Brooklyn, N. Y., assignor of one-fourth to J. W. Connelly, one-fourth to W. A. Connelly, and one-fourth to A. E. Connelly, Jersey City, N. J. Flexible pipe connection with safety valves. 1,791,447; Feb. 3.

Gross, John O., Littleton, Colo. Cabinet incubator. 1,823,395; Sept. 15.

Gross, Joseph E., Swissvale, Pa. Luminous tube. 1,797,683; Mar. 24.

Gross, Joseph E., Swissvale, Pa., assignor to Aurora Sign Company. Illuminated sign. 1,814,150; July 14.

Gross, Louis, New York, N. Y. Successive immersion device. 1,795,167; Mar. 3.

Gross, Miriam, assignor to Miriam Gross Company, Milwaukee, Wis. Knitted ensemble dress. Des. 84,078; May 5.

Gross, Miriam, assignor to Miriam Gross Company, Milwaukee, Wis. Knitted fabric. Des. 84,415; June 16.

Gross, Miriam, assignor to Miriam Gross Company, Milwaukee, Wis. Knitted fabric. Des. 85,523; Nov. 10.

Gross, Mones, New York, N. Y. Belt and attachment. 1,797,653; Mar. 24.

Gross, Otis C. (See Cappel, H. C., and Gross.)

Gross, Otto, and F. Jost, Sodingen, Germany, assignors, by mesne assignments, to Firm Patentverwertungs A. G., "Alpina," S. A. pour l'Exploitation de Brevets "Alpina," Patents Exploitation Cy. "Alpina," Ltd., Basel, Switzerland. Purifying hydrogen. 1,812,526; June 30.

Gross, Otto, and F. Jost, Sodingen, Germany, assignors, by mesne assignments, to Firm Patentverwertungs A. G. "Alpina," S. A. pour l'Exploitation de Brevets "Alpina," Patents Exploitation Cy. "Alpina," Ltd., Basel, Switzerland. Purifying hydrogen. 1,812,527; June 30.

Gross Printing Press Company. (See Smith, Ernest J., assignor.)

Gross, Reinhold. (See Engelhardt, V., and Gross.)

Gross, Russell C., assignor to Solidon Products Inc., Philadelphia, Pa. Corner strip. 1,798,839; Mar. 31.

Gross, Siegfried, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Laminated spring. 1,814,214; July 14.

Grossen, Gottlieb, Washington, D. C. Combined container and protective pad. 1,833,419; Nov. 24.

Grossgebauer, John, Paterson, N. J. Identification means for ribbons and the like. 1,827,744; Oct. 20.

Grossi, Frank, Mamaroneck, N. Y. Turf planter. 1,829,745; Nov. 3.

Grosskinsky, Otto. (See Schmidt, O., and Grosskinsky.)

Grossman, Frank, Brooklyn, N. Y. Sport shoe or similar article. Des. 84,741; July 28.

Grossman, Frank, Brooklyn, N. Y. Sport shoe or similar article. Des. 84,742; July 28.

Grossman, Harold, Caldwell, N. J., assignor of one-fourth to W. S. Pritchard, New York, N. Y. Accelerating the settlement of pigments. 1,819,462; Aug. 18.

Grossman, Herman P., Boonville, Ind. Lubricant dispenser. 1,827,844; Oct. 20.

Grossman, Jacob J., and J. J. Steinharter, New York, assignor to Cable Radio Tube Corporation, Brooklyn, N. Y. Snap switch. 1,829,514; Oct. 27.

Grossman, Morris, New York, N. Y. Multicolor flash light. 1,822,619; Sept. 8.

Grossmann, Paul. (See Bally, O., and Grossmann.)

Grossman, Paul, assignor to the Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Making condensation products of the anthracene series and anthraquinone derivatives. 1,833,250; Nov. 24.

Grossman, Wallace G., White Plains, N. Y. Flexible seat folding chair. 1,821,704; Sept. 1.

Grosso, Dante, assignor to Officine Meccaniche Fratelli Grosso & Tribola, Sagiano Micca, Biella, Italy. Shock absorber for vehicles. 1,828,602; Oct. 20.

Grosswege, John B., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake and power interlock. 1,824,048; Sept. 22.

Grosswege, John B., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake and power interlock. 1,824,049; Sept. 22.

Grossweischede, Julius, Mulheim-on-the-Ruhr, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Sleeper particularly for heavy dredging-type tracks. 1,796,565; Mar. 17.

Grosvenor, William M. (See Lloyd, E. A., and Gershon, assignor.)

Grosz, Adam H., New Orleans, La. Electric meter protector. 1,826,775; Oct. 13.

Grote, W. D. (See Buchholz, Herman, assignor.)

Grote, Willy, New York, N. Y. Cable cutter. 1,793,085; Feb. 17.

Groten, Frank J. (See Coleman, R. E., and Groten.)

Grotenhuis, James T., Orange City, Iowa. Brooder stove. 1,801,957; Apr. 21.

Grotewold, Hans. (See Stasinski, J., and Grotewold.)

Grothaus, Gerhard G., Cincinnati, assignor to G. Schmidt, jr., Mount Healthy, Ohio. Ventilating apparatus. 1,798,791; Mar. 31.

Grothe, Arthur A., Oak Park, assignor to W. J. Cameron, Chicago, Ill. Electro-mechanism for operating safety razors. 1,834,096; Dec. 1.

Grothe, Walter, assignor to Caterpillar Tractor Co., San Leandro, Calif. Furnace. 1,825,059; Sept. 29.

Grothe, Walter, assignor to Caterpillar Tractor Co., San Leandro, Calif. Tempering furnace. 1,827,194; Oct. 13.

Grotnes, Carl C., Chicago, Ill. Metal working machine. 1,807,980; June 2.

Grotowsky, Hans, Uerdingen, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuff of the triphenyl methane series. 1,830,835; Nov. 10.

Grounds, Fred A., assignor of forty percent to J. B. Beaird and fifty-five per cent to Commercial National Bank of Shreveport, La., Shreveport, La. Excavating scoop and scraper. 1,835,214; Dec. 8.

Grounds, Preston W., Terre Haute, Ind., assignor to American Art Wood Products Corp., Terre Haute, Ind. Lamp or analogous article. Des. 85,749; Dec. 15.

Grounds, Preston W., assignor to American Art Wood Products Corp., Terre Haute, Ind. Lamp or analogous article. Des. 85,750; Dec. 15.

Grounds, Preston W., assignor to American Art Wood Products Corp. Terre Haute, Ind. Lamp or analogous article. Des. 85,751; Dec. 15.

Grounds, Preston W., assignor to American Art Wood Products Corp., Terre Haute, Ind. Lamp or analogous article. Des. 85,752; Dec. 15.

Grove, Jacob R., trustee. (See Grove, Jacob R., assignor.)

Grove, Jacob R., York, assignor to J. R. Grove, trustee, in trust for said J. R. Grove and C. B. Wolf, Mount Wolf, Pa. Vending machine. 1,811,007; June 23.

Grove, Orville A., Palestine, Tex. Dental implement. 1,796,367; Mar. 17.

Grove, Orville A., San Antonio, Tex. Toilet equipment. 1,801,196; Apr. 14.

Grove, Samuel F., Swarthmore, Pa. Adjuster equipment for evaporators. 1,838,671; Dec. 29.

Grove, William E., Chambersburg, Pa. Making vermin destroying material. 1,814,471; July 14.

Grover, A. D., & Son, Inc. (See Bertram, Louis H., assignor.)

Grover, Frederick, assignor to The Forgrove Machinery Company Limited, Leeds, England. Machine for wrapping cigars and other elongated bodies. 1,811,751; June 23.

Grover, Percy C., Birmingham, Ala. Cylinder hone. 1,803,701; May 5.

Grover, William F., et al., trustees. (See Pratt, Harry P., assignor.)

Groves, Cecil R. D., Thornton Heath, England. Electrical warming means or device for use with internal combustion engines to facilitate starting thereof. 1,805,040; May 12.

Groves, Elmer H., Minneapolis, Minn. Infant's garment. 1,805,766; May 19.

Groves, Roy, Sylvia, Kans. Corn harvester. 1,793,692; Feb. 24.

Growers Service Company. (See Horn, Clarence J., assignor.)

Grozi, Wesely, Indianapolis, Ind. Combination square and protractor. 1,828,930; Oct. 27.

Grubb, Herbert H., assignor to Humane Stanchion Works, Baraboo, Wis. Roundabout. 1,812,946; July 7.

Grubb, Herbert H., assignor to Humane Stanchion Works, Baraboo, Wis. Swing. 1,812,947; July 7.

Grubb, Herbert H., assignor to Humane Stanchion Works, Baraboo, Wis. Animal stall. 1,818,552; Aug. 11.

Grubb, Melvin C., Athens, Ohio. Wood sawing apparatus. 1,802,646; Apr. 28.

Grubb, Reuben, Philadelphia, Pa. Automobile headlight. 1,788,191; Jan. 6.

Gruber, Charles W., Philadelphia, Pa., assignor to Brown & Sharpe Mfg. Company, Providence, R. I. V block. 1,802,914; Apr. 28.

Gruber, Earl B. (See Heil, J. F., and Gruber.)

Gruber, Edward, assignor to E. E. Allyne, Cleveland, Ohio. Trap for refrigerating apparatus. 1,788,948; Jan. 13.

Gruber, Edward, assignor to E. E. Allyne, Cleveland, Ohio. Refrigerator. 1,799,744; Apr. 7.

Gruber, William R., New York, N. Y. Portable electric arc lamp. 1,808,164; June 2.

Gruber, William R., New York, N. Y. Photographic electric lamp. 1,823,320; Sept. 15.

Gruber, Wolfgang. (See Ascherl, A., and Gruber.)

Grubman, Leo J., Belle Harbor, N. Y. Eye mounting for dolls. 1,788,573; Jan. 13.

Grubman, Leo J., Belle Harbor, N. Y. Eye mounting for dolls. 1,797,338; Mar. 24.

Grubman, Leo J., Belle Harbor, N. Y. Eye mounting for dolls. 1,797,415; Mar. 24.

Grubman, Leo J., Belle Harbor, N. Y. Eye mounting for dolls. 1,798,154; Mar. 31.
Grubman, Leo J., Belle Harbor, N. Y. Assembling the parts of doll-eye settings. 1,798,155; Mar. 31.
Grubman, Leo J., Belle Harbor, N. Y. Eye mounting for dolls. 1,805,085; May 12.
Grubman, Leo J., Belle Harbor, Long Island, assignor to Margon Corporation, New York, N. Y. Assembling the parts of artificial eyes. 1,810,896; June 23.
Grubman, Leo J., Belle Harbor, Long Island, assignor to Margon Corporation, New York, N. Y. Artificial eye for dolls, manikins, and other figure toys. 1,812,872; July 7.
Grubman, Leo J., Belle Harbor, L. I., assignor to Margon Corporation, New York, N. Y. Eye mounting for dolls. 1,817,001; Aug. 4.
Gruen, Frederick G., assignor to The Gruen Watch Company, Cincinnati, Ohio. Watch dial. Des. 83,533; Mar. 3.
Gruen Watch Company, The. (See Gruen, Frederick G., assignor.)
Gruendl, Carl, Chicago, Ill Soap dish. Des. 83,439; Feb. 24.
Grueter, William B. (See Langill, R. E., and Grueter.)
Grueter, William B., assignor to The Prescott Company, Menominee, Mich. Sawmill setworks. 1,801,425; Apr. 21.
Gruin, Maurice, Paris, France. Treatment of varnished wall papers. 1,801,737; Apr. 21.
Grumbach, Harry, assignor to Simon Ascher and Company, Inc., New York, N. Y. Knitted headwear. 1,796,689; Mar. 17.
Grumbacher, M. (See Grumbacher, Walter, assignor.)
Grumbacher, Walter, assignor to M. Grumbacher, New York, N. Y. Color arrangement. 1,805,520; May 19.
Grumbine-O'Donnell Corporation. (See Earman, George H., assignor.)
Grumman, Leroy R., Port Washington, N. Y. Flying boat and like craft. 1,799,555; Apr. 7.
Grumman, Leroy R., Port Washington, N. Y. Form of hull or float. 1,832,862; Nov. 24.
Grumpelt, Oskar F. A. E., Berlin, Germany, assignor, by mesne assignments, to Syndicat "Vaproc," Brussels, Belgium. Rotary propeller. 1,824,667; Sept. 22.
Grunbach, Harry, assignor to Simon Ascher and Company Inc., New York, N. Y. Knitted helmet. 1,795,599; Mar. 10.
Grunberger, Maximilian. (See von Berg, Julius, assignor.)
Grünberger, Paul. Jerusalem, Palestine. Plant for mixing the components of concrete and the like. 1,790,143; Jan. 27.
Grund, Fletcher D., Weston, assignor to The American Swiss Company, Toledo, Ohio. Door-latch mechanism. 1,796,841; Mar. 17.
Grund, Fletcher D., Weston, assignor to The American Swiss Company, Toledo, Ohio. Door latch device. 1,806,940; May 26.
Grund, Fletcher D., Weston, assignor to The American Swiss Company, Toledo, Ohio. Dog releasing device for door latches. 1,827,982; Oct. 20.
Grund, Fletcher D., Weston, assignor to The American Swiss Company, Toledo, Ohio. Door latch. 1,830,654; Nov. 3.
Grund, Fletcher D., Weston, assignor to The American Swiss Company, Toledo, Ohio. Retainer for door latch spindles. 1,837,431; Dec. 22.
Grund, Paul, Berlin-Treptow, assignor to the Firm Minimax G. m. b. H., Berlin, Germany. Automatic igniting device for flame-throwing apparatus. 1,797,654; Mar. 24.
Grundlehner, Ernest, Gloucester, N. J. Shoe lace fastener. 1,830,646; Nov. 3.
Grundmann, Michael G., Vincennes, Ind. Shoe fastener. 1,822,284; Sept. 8.
Grundon, J. P., et al. (See Lawson George D., assignor.)
Grundstrom, Erik G., Chicago, Ill. Mold. 1,814,797; July 14.
Grundy, Alfred A., Philadelphia, Pa. Winding mechanism. 1,832,628; Nov. 17.
Grunefeldt, Emil, Cleveland, Ohio. Shock absorber. 1,820,971; Sept. 1.
Gruner, J. K., Lumber Company. (See Gruner, Jay K., assignor.)
Gruner, Jay K., assignor to J. K. Gruner Lumber Company, Detroit, Mich. Gas range top. 1,823,539; Sept. 15.
Grunewald, Max E. (See Uhle, D. J., and Grunewald.)
Grunewalds Registrator Co. Akt. Ges. (See Rengmann, Thure, assignor.)
Grünfeld, Franz V., Berlin, Germany. Robe. 1,825,520; Sept. 29.
Grunow, William C., assignor to Grigsby-Grunow Company, Chicago, Ill. Current supply apparatus. 1,818,947; Aug. 11.
Grunwald, Albert C., Chicago, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,788,949; Jan. 13.
Grunwald, Albert C., River Forest, assignor to Precision Metal Workers, Chicago, Ill. Battery terminal. 1,837,814; Dec. 22.
Grunwaldt, Frank E., Seattle, Wash. Gas furnace. 1,817,368; Aug. 4.
Grupe, Friedrich W., Berlin, Germany. Device for splitting stumps in the ground. 1,803,902; May 5.
Grupe, William F., Rutherford, N. J., assignor to Armstrong Cork Company, Lancaster, Pa. Refrigerating cabinet. 1,818,129; Aug. 11.
Grupe, William F., Lyndhurst, N. J., assignor to Ebco Machine Corporation, New York, N. Y. Hopper feeding means for cigarette making machines. 1,833,285; Nov. 24.
Grupe, William F., Lyndhurst, N. J., assignor to Armstrong Cork Company, Lancaster, Pa. Cork envelope for laundry rolls. 1,833,461; Nov. 24.
Gruppe, Alfred H., Milwaukee, Wis., assignor of one-half to T. L. Durocher, Detour, Mich. Crib, caisson, and the like. 1,827,146; Oct. 13.
Gruppe, Paulo, New York, assignor of one-half to George Ramsey, Brooklyn, N. Y. Stringed musical instrument. 1,802,250; Apr. 21.
Grus, William, jr., Los Angeles, Calif. Leaf spring oiler. 1,805,242; May 12.
Gruse, William A. (See Livingstone, C. J., and Gruse.)
Gruse, William A. (See Souther, B. L., and Gruse.)
Grüss, Heinz. (See Büchting, M. U., Grüss, and Liesegang.)
Grüss, Heinz. (See Eichler, F., Grüss, and Schleicher.)
Grüss, Heinz, Berlin-Staaken, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt near Berlin, Germany. Apparatus for measuring a plurality of values. 1,818,847; Aug. 11.
Grüss, Heinz, Berlin-Staaken, and K. Rau, Berlin-Charlottenburg, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Arrangement for the determination of resistances. 1,820,738; Aug. 25.
Gruss, Laura E., administratrix. (See Gruss, Raymond L., assignor.)
Gruss, Raymond L., deceased, San Francisco, Calif.; L. E. Gruss, administratrix, assignor, by mesne assignments, to California Bank, Los Angeles, Calif. Shock absorbing device. 1,819,414; Aug. 18.
Grutel, John, Omaha, Nebr. Locking attachment for windows. 1,794,171; Feb. 24.
Grüter, Reinhold, Berlin-Charlottenburg, Germany. Pharmaceutical product. 1,812,528; June 30.
Grutzbach, Erich B., Miami, Fla. Hammer attachment for electric drills. 1,798,082; Mar. 24.
Gstyr, Joseph. (See Wildhaber, E., and Gstyr.)
Guadagnini, Arnaldo, New York, N. Y. Depurating liquids. 1,798,792; Mar. 31.
Guaranteed Parts, Inc. (See Livermore, Homer F., assignor.)
Guaranty Trust Company. (See Hester, Calvin A., assignor.)
Guardabassi, Galileo. (See Bianchi, A. E., and Guardabassi.)
Guardian Equipment Company, The. (See Bissonette, Edwin S., assignor.)
Guardian Metals Company. (See Coles, Henry L., assignor.)
Guardian Metals Company. (See Donaldson, J. G., and Coles.)
Guardian Safe and Manufacturing Company, The. (See Smith, Adon L., assignor.)
Guardian Safety Seal Company. (See Fabrice, Edward H., assignor.)
Guardian Trust Company. (See King, Floyd C., assignor.)
Guardian Trust Company, The. (See Falkenstein, Henry, assignor.)
Guardian Trust Company, The. (See Larkin, Lester U., assignor.)
Guardian Trust Company, The. (See Snyder, George C., assignor.)
Guardian Trust Company, The, executor. (See Lyman, Kent E., assignor.)
Guardian Trust Company, et al, executors. (See Bissonette, Edwin S.)
Guardian Trust Company, executor. (See Vail, George I.)
Guardian Trust Company, The, trustee. (See Replogle John R., assignor.)
Guarino, Joseph A., Westerly, R. I. Stocking protector. 1,791,357; Feb. 3.
Gubbei, Hans, Philadelphia, Pa. Collapsible bed. 1,804,011; May 5.
Gubelmann, Ivan. (See Lee, H. R., and Gubelmann.)
Gubelmann, Ivan. (See Weiland, H. J., and Gubelmann.)
Gubelmann, Ivan, and H. J. Weiland, South Milwaukee, assignors, by mesne assignments, to Newport Chemical Corporation. Preparing hydroxyanthraquinones. 1,790,915; Feb. 3.
Gubelmann, Ivan, R. J. Goodrich, and E. T. Howell, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Chemical Corporation. Making benzanthrone. 1,791,309; Feb. 3.
Gubelmann, Ivan, R. J. Goodrich, and E. T. Howell, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Chemical Corporation. Purification of benzanthrones. 1,794,848; Mar. 3.
Gubelmann, Ivan, H. J. Weiland, and O. Stallmann, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Chemical Corporation. 1-amino-2-chloro-4-hydroxy anthraquinone and preparing the same. 1,798,156; Mar. 31.
Gubelmann, Ivan, and J. M. Tinker, South Milwaukee, Wis., assignor, by mesne assignments, to Newport Chemical Corporation, 1, 2- and 2, 3- diamino anthraquinone sulphates and method of preparing and isolating the same. 1,803,503; May 5.

Gubelmann, Ivan, H. J. Weiland, and O. Stallmann, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Chemical Corporation. 4'-sulpho-2-benzoyl-5-nitro-benzoic acid and process for making same. 1,810,008; June 16.

Gubelmann, Ivan, H. J. Weiland, and O. Stallmann, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Chemical Corporation. 4'-sulpho-2-benzoyl-5-amino-benzoic acid. 1,810,009; June 16.

Gubelmann, Ivan, H. J. Weiland, and O. Stallmann, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Chemical Corporation. 2-nitro-anthraquinone-7-sulpho-acid and making the same. 1,810,010; June 16.

Gubelmann, Ivan, H. J. Weiland, and O. Stallmann, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Chemical Corporation. 2-nitro-7-chloro-anthraquinone and making the same. 1,810,011; June 16.

Gubelmann, Ivan, H. J. Weiland, and O. Stallmann, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Chemical Corporation. 2-amino-7-chloro-anthraquinone and making the same. 1,810,012; June 16.

Gubelmann, Ivan, H. J. Weiland and O. Stallmann, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Chemical Corporation. Preparing 4'-sulpho-o-benzoyl-benzoic acid. 1,810,013; June 16.

Gubelmann, Ivan, and C. O. Henke, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. Purifying and decolorizing rosins with resorcinol. 1,810,170; June 16.

Gubelmann, Ivan, J. B. Oesch, South Milwaukee, and E. Havas, Milwaukee, Wis., assignors, by mesne assignments, to Newport Chemical Corporation. Bromination products of 4,4'-dimethyl-6,6'-dichloro-thio-indigo, and process of making the same. 1,821,705; Sept. 1.

Gubelmann, Ivan, and C. O. Henke, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. Organic ester and making the same. 1,829,480; Oct. 27.

Gubelmann, Ivan, and C. O. Henke, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. Preparing an ester. 1,829,481; Oct. 27.

Gubelmann, William S., Buffalo, N. Y. Calculating machine. 1,817,451; Aug. 4.

Gubitosi, James, Nutley, N. J. Radiocabinet. Des. 84,932; Aug. 25.

Gubler, Hans, and G. de Montmollin, Basel, and J. Spieler, Laufen, assignors to the Firm Society of Chemical Industry in Basle, Basel, Switzerland. Metalliferous azodyestuffs and making same. 1,829,646; Oct. 27.

Gudge, Augustus W., Newark, N. J., and E. Wensley, Cicero, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for producing articles from sheet material. 1,810,206; June 16.

Gudka, Elmer E., Detroit, Mich. Vacuum cleaner receptacle. 1,832,846; Nov. 24.

Gudka, Elmer E., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 1,805,174; May 12.

Gudka, Elmer E., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Cleaning and polishing apparatus. 1,838,481; Dec. 29.

Gudmand-Höyer, Johannes, Nybolle Ballerup, Denmark. Canule for cow teats. 1,797,339; Mar. 24.

Gudmundson, George E., Salt Lake City, Utah. Combined vacuum-cleaner nozzle and beater. 1,791,202; Feb. 3.

Guedon, Emile C., Schenectady, N. Y., assignor to General Electric Company. Apparatus for producing sound. 1,814,798; July 14.

Guenard, José L. M., Ponce, P. R. Closure. 1,793,394; Feb. 17.

Guenard, José L. M., Ponce, Porto Rico. Closure receptacle for bottles and jars. 1,806,256; May 19.

Guenard, José L. M., Ponce, Porto Rico. Tennis racket. 1,808,035; June 2.

Guenther, Amalie S., Mount Vernon, N. Y. Curtain shield. 1,796,019; Mar. 10.

Guenther, Arthur E., and H. S. Toole, Buffalo, assignors, by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Manufacture of rayon filaments. 1,787,575; Jan. 6.

Guenther, Frederick A., La Grange, Ill. Aeroplane propeller. 1,823,197; Sept. 15.

Guenther, Fritz, F. Teller, C. Immerheiser, and Bodo Zschimmer, Ludwigshafen-on-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Emulsifying agent. 1,802,174; Apr. 21.

Guenther, George A., Buffalo, N. Y. Gas burner. 1,830,464; Nov. 3.

Guenther, Henry L., Los Angeles, Calif. Differential can-feed mechanism. 1,800,383; Apr. 14.

Guenther, Henry L., Los Angeles, Calif. Accelerating can feed. 1,820,562; Aug. 25.

Guenther, William H., assignor to Detroit-Michigan Stove Company, Detroit, Mich. Gas range top. 1,823,539; Sept. 15.

Guenther, William H., assignor to Detroit-Michigan Stove Company, Detroit, Mich. Gas range top. 1,823,540; Sept. 15.

Guentzler, Herman F., Cleveland, Ohio. Sponge cup. 1,807,239; May 26.

Guerin, George S., Farnam, Nebr. Cornstalk cutter. 1,787,677; Jan. 6.

Guerin, James M. (See Guerin, Joseph A., sr., and J. M.)

Guerin, Joseph A., sr., and J. M., Philadelphia, Pa. Coffee percolator. 1,809,294; June 9.

Gueritey, Charles, Passaic, N. J. Sifting top can. 1,803,799; May 5.

Guermont, Miguel E., assignor to S. I. A. M. Limited, London, England. Fluid meter. 1,826,346; Oct. 6.

Guernsey, Charles O., Philadelphia, Pa. Load-regulating means. 1,799,096; Mar. 31.

Guernsey, Charles O., Philadelphia, Pa. Ventilating system. 1,804,334; May 5.

Guernsey, Fay H., Lockport, and L. T. Howells, Buffalo, assignors to The Electric Smelting & Aluminum Co. Inc., Lockport, N. Y. Standard-soiled material and preparing same. 1,802,052; Apr. 21.

Guest, Walter C., and R. E. Pruitt, Anderson, S. C. Liquid measuring apparatus. 1,835,039; Dec. 8.

Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric-lamp fixtures. 1,797,983; Mar. 24.

Guettler, Herbert W., Chicago, Ill. Barking apparatus and method. 1,787,725; Jan. 6.

Gueux, Joseph J., Ivry-sur-Seine, France. Mechanism for the automatic control of liquid distributors. 1,837,041; Dec. 15.

Gueydan, Arthur, Echandens, Switzerland. Apparatus for amusement and other purposes. 1,836,115; Dec. 15.

Guffey, Oliver J., Atlanta, Ga. Rotisserie. 1,838,545; Dec. 29.

Guffey, Roy. (See Dew, J. R., and Guffey.)

Guggenbühl, Max A., Zurich, Switzerland. Apparatus for aerating liquids. 1,799,295; Apr. 7.

Guggenheim Brothers. (See Robinson, Preston, assignor.)

Guggenheim, Max M. (See Savy, R., Lebert, and Guggenheim.)

Guggenheim, Max M., Cambridge, Mass., assignor to Baker Perkins Company Incorporated, Saginaw, Mich. Anti-tailing device. 1,798,731; Mar. 31.

Guggenheim, Paul, assignor to Philadelphia Metal Drying Form Company, Philadelphia, Pa. Hosiery drying form. 1,813,737; July 7.

Guggenheim, Solomon. (See Case, Francis M., assignor.)

Guhl, Adolph P. M., Hamburg, Germany. Pencil-sharpening machine. 1,788,347; Jan. 6.

Guiberson Corporation, The. (See Bell, Ivan C., assignor.)

Guiberson Corporation, The. (See Guiberson, Samuel A., 3d, assignor.)

Guiberson Corporation, The. (See Guiberson, William R., assignor.)

Guiberson, Samuel A., 3d, Los Angeles, Calif., assignor to The Guiberson Corporation, Dallas, Tex. Tubing catcher. 1,838,391; Dec. 29.

Guiberson, William R., Los Angeles, Calif., assignor to The Guiberson Corporation, Dallas, Tex. Tongs. 1,787,744; Jan. 6.

Guide Lamp Corporation. (See Brown, Sumner E., assignor.)

Guidetti, Ferruccio, Elmhurst, N. Y. Cuff button. 1,819,163; Aug. 18.

Guidice, Menotti, et al. (See Foti, Charles, assignor.)

Guidinger, Edward F., assignor to Phillips Petroleum Company, Bartlesville, Okla. Casing head. 1,827,287; Oct. 13.

Guidinger, Henry O. (See Guidinger, John J. and H. O.)

Guidinger, John J., and H. O. Guidinger, Manitowoc, Wis. Smoker's set. 1,837,863; Dec. 22.

Guido, Edward, New York, N. Y. Display fountain or similar article. Des. 85,238; Sept. 29.

Guigou, Marc A. (See Fox, R. W., and Guigou.)

Guilbert, Paul, Rouen, and J. Legrand, St. Mande, France. Special motor driven car with several cranes driven from one point for the mechanical laying and removing of the elements of railroad tracks. 1,821,340; Sept. 1.

Guilbert, Paul, Bouen, J. Legrand, St. Mande, and M. Lemaire, Paris, France. Substitution of railroads by means of substitution trains and mechanical apparatus constituting the same. 1,826,069; Oct. 6.

Guild, Clark J., et al. (See Penrose, Herbert W., assignor.)

Guild, Waldo J. (See Heald, R. N., and Guild.)

Guild, Waldo J., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,804,414; May 12.

Guild, Waldo J., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,812,003; June 30.

Guild, Waldo J., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,826,070; Oct. 6.

Guild, Waldo J., and A. P. Burns, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,830,358; Nov. 3.

Guild, Waldo J., R. A. Quimby, and F. D. Gibbs, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,819,091; Aug. 18.

Guilden, Ira. (See Campbell, Milton C., assignor.)

Guiles, Daniel W., Seattle, Wash. Faucet. 1,822,346; Sept. 8.

Guilford, G. E. (See Carson, Curtis, assignor.)

Guilford Manufacturing Company, The. (See Chapman, Norton W., assignor.)

Guille, Arthur L., Portsmouth, assignor of one-half to H. R. Leonard, Norfolk, Va. Unloading apparatus. 1,809,200; June 9.

Guillemin, Ernst A., Brookline, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for detecting a difference in the thickness of materials. 1,815,710; July 21.

Guillemot, Robert, St. Maur des Fosses, France, assignor to Scott & Williams, Incorporated, New York, N. Y. Method and apparatus for forming knitted loops in hosiery machines. 1,813,849; July 7.
Guillet, Albert M., Charlotte, N. C. Interchangeable journal for textile rolls. 1,808,813; June 9.
Guillot, Eugene, Helena, Mont. Garment measuring and description device. 1,790,416; Jan. 27.
Guillou, Henri, Nemours, France. Radioelectric insulating support. 1,793,609; Feb. 24.
Guina, William E., Detroit, Mich., assignor to The W. S. Gilkey Printing Company, Cleveland, Ohio. Envelope. 1,827,468; Oct. 13.
Guiney, Joseph. (See Freedman, W., and Guiney.)
Guinn, Roughen. (See Davidson, F., and Guinn.)
Guinn, Samuel E., Johnson City, Tenn. Humidor. Des. 85,042; Sept. 8.
Guinness, Richard S., Birmingham, England. Washbasin. 1,789,899; Jan. 20.
Guinot, Henri M. (See Ricard, E., Savarit, and Guinot.)
Guinzburg, Edwin A. (See Henry, Beulah L., assignor.)
Guinzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Extensible band. 1,827,942; Oct. 20.
Guinzburg, Victor, New York, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Extensible band. 1,830,791; Nov. 10.
Guiot, Auguste, Neuilly-sur-Seine, France. Motor fuel pump. 1,809,514; June 9.
Guiraud, Henri J., assignor to Societe Anonyme la Cooperation Agricole & Industrielle, Veuxhaulles, France. Carburetor. 1,802,506; Apr. 28.
Guiraud, Henri J., assignor to Societe Anonyme La Cooperation Agricole & Industrielle, Veuxhaulles, France. Carburetor. 1,805,947; May 19.
Guiterman, Leo A., New York, N. Y. Tee holders. 1,806,797; May 26.
Gulbenkian Seamless Rug Company. (See Fetterly, C. L., and Smith, assignors.)
Gulbenkian Seamless Rug Company. (See Smith, William E., assignor.)
Gulbransen, Axel G., assignor to Gulbransen Company, Chicago, Ill. Player piano. 1,799,365; Apr. 7.
Gulbransen Company. (See Boettcher, Arthur H., assignor.)
Gulbransen Company. (See Forsberg, Gustav A., assignor.)
Gulbransen Company. (See Gulbransen, Axel G., assignor.)
Gulbransen Company. (See Loar, Lloyd, assignor.)
Gulbranson, Julius O., Richmond, Va. Table. Des. 84,473; June 23.
Gulf Oil Burner Company. (See Braybrooks, William McK., assignor.)
Gulf Production Company. (See Dickey, Alfred B., assignor.)
Gulf Production Company. (See Loomis, A. G., Ambrose, and Brown, assignors.)
Gulf Production Company. (See McGary, S. U., Rogers, and Gill, assignors.)
Gulf Refining Company. (See Buerger, Charles B., assignor.)
Gulf Refining Company. (See Glasgow, John G., assignor.)
Gulf Refining Company. (See Livingstone, C. J., and Gruse, assignors.)
Gulf Refining Company. (See McAfee, Almer M., assignor.)
Gulf Refining Company. (See Prichard, G. L., and Henderson, assignors.)
Gulf Refining Company. (See Smith, Herschel G., assignor.)
Gulf Refining Company. (See Souther, B. L., and Gruse, assignors.)
Gulf Refining Company of Louisiana. (See Rife, M. O., and Capps, assignors.)
Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Clarinet. 1,805,449; May 12.
Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Clarinet and manufacture thereof. 1,809,380; June 9.
Gulick, Edward J., Elkhart, Ind., assignor, by mesne assignment, to The Cleveland Trust Company. Piston. 1,815,733; July 21.
Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Saxophone key pad. 1,830,025; Nov. 3.
Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Horn. 1,822,025; Sept. 8.
Gulick, Seeley C., Champaign, Ill. Oil burner and similar fuel-consuming means and system therefor. 1,800,790; Apr. 14.
Gulick, Seeley C., Champaign, Ill. Burner supporting means. 1,808,952; June 9.
Gull, Adolf E., London, England. Pumping apparatus. 1,825,661; Oct. 6.
Gullberg, Roy K., assignor to Dayton Scale Company, Dayton, Ohio. Duplex motor drive assembly for kitchen appliances. 1,812,651; June 30.
Gullborg, John S., Chicago, assignor to Alemite Die Casting & Mfg. Co., Woodstock, Ill. Truck. 1,814,309; July 14.
Gullett Gin Company. (See Wallace, Jeffrey J., assignor.)
Gulliford, Archibald T., administrator. (See Gulliford, Nicholas L.)
Gulliford, Nicholas L., deceased, Peabody, Mass.; Archibald T. Gulliford, administrator of the estate. Rotary cutter. 1,801,738; Apr. 21.
Gulliford, Nicholas L., deceased, Peabody; A. T. Gulliford, administrator, assignor to Gulliford Wood Heel Company, Lynn, Mass. Machine for forming heel blocks. 1,829,711; Oct. 27.
Gulliford Wood Heel Company. (See Gulliford, Nicholas L., assignor.)
Gulliford Wood Heel Company. (See Taft, Sydney E., assignor.)
Gulliksen, Finn H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic synchronizer. 1,798,669; Mar. 31.
Gulliksen, Finn H., and H. C. Nycum, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Automatic synchronizer. 1,798,668; Mar. 31.
Gulotta, Charles. (See Herlbauer, J. J., and Gulotta.)
Gum, George L., Williams River, W. Va. Log-skidding apparatus. 1,793,395; Feb. 17.
Gum, Guy C., assignor to T. Acosta, Jacksonville, Fla. Automatic fruit juice, pulp, and seed extractor. 1,834,097; Dec. 1.
Gumaer, Percy W., West Englewood, assignor to Hopkins Corporation, Jersey City, N. J. Loud speaker. 1,815,944; July 28.
Gump, Lias H., New Martinsville, W. Va. Safety device. 1,808,652; June 2.
Gumper, Herman M., assignor to The Miles Manufacturing Company, Jackson, Mich. Bucket conveyer. 1,830,603; Nov. 3.
Gumpper, Harold D., Detroit, Mich. Electric governor for automobiles. 1,820,272; Aug. 25.
Gumprich, William, Brooklyn, N. Y., assignor to Dayton Scale Company, Dayton, Ohio. Shock absorber for scales. 1,830,997; Nov. 10.
Gumprich, William, Brooklyn, N. Y., assignor to Dayton Scale Company, Dayton, Ohio. Meat chopper. 1,835,864; Dec. 8.
Gumz, Wilhelm. (See Gleichmann, H., and Gumz.)
Gumz, Wilhelm, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Vapor power plant. 1,813,921; July 14.
Gundeisen, George. (See Soderberg, Erik A., assignor.)
Gunderman, Lester S. (See McMarlin, W. J., and Gunderman.)
Gunderman, Lester S., Pittsburgh, Pa. Safety device for clothes wringers. 1,791,895; Feb. 10.
Gunderman, Lester C., Pittsburgh, Pa. Portable vibrating machine. 1,825,588; Sept. 29.
Gundersen, Carl E. B., Entwistle, Alberta, Canada. Ski-coaster. 1,809,295; June 9.
Gundersen, George. (See Soderberg, Erik A., assignor.)
Gunderson, George, St. Ansgar, Iowa. Portable scoop. 1,813,159; July 7.
Gunderson, George G. (See Graham, J. H., and Gunderson.)
Gunderson, John, Concrete, Wash. Closure operator. 1,814,510; July 14.
Gunderson, Lewis O., Bloomington, Ill. Preventing pitting, corrosion, and scale formation. 1,788,485; Jan. 13.
Gundlach, Conrad J., assignor to Mississippi Glass Company, New York, N. Y. Sheet glass. Des. 83,440; Feb. 24.
Gundlach, Conrad J., assignor to Mississippi Glass Company, New York, N. Y. Sheet glass. Des. 83,441; Feb. 24.
Gundlach, Severin N., Belleville, Ill. Shingle cutter. 1,814,151; July 14.
Gunn, Charles H., assignor to Aircraft Specialties Company, San Mateo, Calif. Airplane propeller blade. 1,799,745; Apr. 7.
Gunn, Charles H., San Francisco, assignor to Aircraft Specialties Company, San Mateo, Calif. Airplane propeller. 1,813,877; July 7.
Gunn, Earl G., Racine, assignor to The Nash Motors Company, Kenosha, Wis. Brake. 1,789,434; Jan. 20.
Gunn, Earl G., Racine, assignor to The Nash Motors Company, Kenosha, Wis. Steering gear. 1,797,061; Mar. 17.
Gunn, Earl G., Racine, assignor to The Nash Motors Company, Kenosha, Wis. Brake. 1,799,227; Apr. 7.
Gunn, Earl G., Racine, assignor to The Nash Motors Company, Kenosha, Wis. Brake. 1,809,411; June 9.
Gunn, Francis M., and H. F. Seidler, assignors to The Pullman Car & Manufacturing Corporation, Chicago, Ill. Car-vestibule diaphragm. 1,794,516; Mar. 3.
Gunn, John M., Cuthbert, Ga. Basket. 1,808,653; June 2.
Gunn, Robert W., and W. A. Scott Thompson, assignors, by mesne assignments, to Emsco Derrick & Equipment Company, Los Angeles, Calif. Ball-valve assembly. 1,796,455; Mar. 17.
Gunn, Ross, Washington, D. C. Method and apparatus for transferring electrical energy. 1,821,181; Sept. 1.
Gunnell, George H., Chicago, Ill. Journal-bearing protector. 1,789,546; Jan. 20.
Gunning, Maximiliaan F., assignor to Naamlooze Vennootschap: Koninklijke Maatschappij de Schelde Scheepsbouw-en Werktuigenfabriek. Flushing, Netherlands. Submarine mine layer. 1,797,770; Mar. 24.
Gunning, Percy F., Liverpool, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Telephone system. 1,805,820; May 19.

Gunning, William A., assignor to American Optical Company, Southbridge, Mass. Lens tool surfacing machine. 1,803,429; May 5.
Gunnison, Stanley E., New York, N. Y. Collapsible tube holder. 1,833,608; Nov. 24.
Gunter, James E., Baltimore, Md. Container. 1,800,791; Apr. 14.
Günther, Alfred. (See Thauss, A., and Günther.)
Gunther, Charles O., Grand View-on-Hudson, N. Y. Liquid fuel burner and atomizing liquids. 1,826,776; Oct. 13.
Günther, Fritz. (See Kalischer, G., Günther, Keller, and Hetzer.)
Günther, Fritz, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Wetting and emulsifying preparation. 1,836,588; Dec. 15.
Günther, Fritz, H. Hopff, and C. Schuster, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preservation and treatment of latex. 1,838,826; Dec. 29.
Gunther, John H. (See Bell, John P., and Gunther.)
Gurley, W. & L. E. (See Arms, Edward W., assignor.)
Gurnee, Isaac Q., Butler, N. J. Mold. 1,816,011; July 28.
Gurney Elevator Company. (See Callaway, Clarence R., assignor.)
Gurney Elevator Company. (See Gale, Ernest L., assignor.)
Gurney, Erving R. (See Josephs, L. C., jr., and Gurney.)
Gurney, Erving R., assignor to International Motor Company, New York, N. Y. Steering knuckle. 1,795,428; Mar. 10.
Gurney, Erving R., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Axle and final drive for vehicles. 1,822,143; Sept. 8.
Gurney Security Paper Company. (See MacKrell, Goyn D., assignor.)
Gurnsey, Harold. Seminole, Okla. Sanitary milk bottle holder. 1,825,348; Sept. 29.
Gurschke, Joseph, San Francisco, Calif. Pipe clamp. 1,827,576; Oct. 13.
Gusdorf, Harold M., Indianapolis, Ind. Pigskin innersole. 1,821,213; Sept. 1.
Gusken, Henry J., assignor to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Gaiter or similar waterproof rubber footwear. Des. 83,396; Feb. 17.
Gusmus, Leo, Sheffield, Ala. Safety lock for liquid dispensing apparatus. 1,817,409; Aug. 4.
Gussak, Hyman, New York, N. Y. Combination shirt and drawers. 1,822,482; Sept. 8.
Gussack, Nathan A. (See Zabriskie, H. H., and Gussack.)
Gussack, Nathan A., Flushing, N. Y., assignor to Grant Elevator Equipment Corporation. Door hanger. 1,832,203; Nov. 17.
Gust, Frank, and E. W. Hamann, Chicago, Ill. Rail-lubricating device. 1,789,100; Jan. 13.
Gustafson, Axel E., Salem, S. Dak. Elevating grader. 1,828,532; Oct. 20.
Gustafson, Carl A., Minneapolis, Minn., assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Road-finishing machine. 1,797,288; Mar. 24.
Gustafson, Carl A., assignor, by mesne assignments, to Pioneer Gravel Equipment Manufacturing Company, Minneapolis, Minn. Screening apparatus. 1,829,348; Oct. 27.
Gustafson, Charles J. (See Gustafson, Emil, assignor.)
Gustafson, Edwin A., Flint, assignor to A C Spark Plug Company, Flint, Mich. Speedometer drive. 1,806,541; May 19.
Gustafson, Emil, assignor to C. J. Gustafson, Cicero, Ill. Music sheet turner. 1,822,523; Sept. 8.
Gustafson, Henry A., Dorchester, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Machine for making paper boxes. 1,801,739; Apr. 21.
Gustafson, Henry A., Dorchester, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Closure holding device. 1,829,135; Oct. 27.
Gustafson, Hjalmer C., Denver, Colo, assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Auger drill. 1,800,344; Apr. 14.
Gustafson, Hjalmer C., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Tool retainer. 1,800,345; Apr. 14.
Gustafson, Hjalmer C., Denver, assignor to Gardner-Denver Company, Denver, Colo. Fluid-operated tool. 1,800,346; Apr. 14.
Gustafson, Hjalmer C., assignor to Gardner-Denver Company, Denver, Colo. Variable stroke tool. 1,804,216; May 5.
Gustafson, Hjalmer C., assignor to Gardner-Denver Company, Denver, Colo. Tool retainer. 1,804,217; May 5.
Gustafson, Hjalmer C., assignor to Gardner-Denver Company, Denver, Colo. Fluid operated tool. 1,821,801; Sept. 1.
Gustafson, Hjalmer C., Denver, Colo., assignor to Gardner-Denver Company. Rock drill. 1,826,071; Oct. 6.
Gustafson, Hjalmer C., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Tool feeding apparatus. 1,834,701; Dec. 1.
Gustafson, John C. (See Redrup, W. D., and Gustafson.)
Gustafson, Victor G., Joliet, Ill. Television receiving apparatus. 1,814,382; July 14.
Gustafsson, Emil G. T., and B. I. Norén, assignors to H. G. E. Cornelius, Stockholm, Sweden. Closed tiltable furnace. 1,794,455; Mar. 3.
Gustaveson, David, Los Angeles, Calif. Roller massage machine. 1,817,077; Aug. 4.
Gustavson, Alvin N., Jamestown, N. Y., assignors to Automatic Registering Machine Company, Inc. Voting-machine lock. 1,791,310; Feb. 3.
Gustin, Daniel S., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Gettering coils. 1,813,571; July 7.
Gustin, Daniel S., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Lamp base. 1,813,572; July 7.
Gustin, Daniel S., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Arc quenching device. 1,821,214; Sept. 1.
Gustin, Daniel S., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Coated lamp bulb. 1,830,165; Nov. 3.
Gustin-Bacon Manufacturing Company. (See Anderson, Harley E., assignor.)
Gustin-Bacon Manufacturing Co. (See Foyle, John W., assignor.)
Gutehoffnungshütte Oberhausen Aktiengesellschaft. (See Wagner, A., and Pohl, assignors.)
Gutensohn, Richard, Frankfort-Hochst-on-the-Main, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Washing gases and vapors. 1,816,525; July 28.
Gutfreund, Otto. (See Gold, B. L., and Gutfreund.)
Guth, Edwin F., St. Louis, Mo. Fan hub. 1,791,125; Feb. 3.
Guth, Edwin F., Webster Groves, Mo. Lighting fixture. 1,791,126; Feb. 3.
Guth, Edwin F., Webster Groves, Mo. Lighting unit for reflected illumination. Des. 85,382; Oct. 20.
Güth, Paul F. G. (See Witzler, W., and Güth.)
Guth, William T., New York, N. Y. Mashing utensil. 1,789,929; Jan. 20.
Guth, William T. Brooklyn, N. Y. Mashing utensil. 1,789,930; Jan. 20.
Guthke, Friedrich W., and W. Pungs, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Treatment of Montan wax. 1,834,056; Dec. 1.
Guthmuller, George L., assignor of one-third to F. R. Fullmer, River Vale, and one-third to E. P. Follmer, Jersey City Heights, N. J. Device for controlling the gasoline supply to internal combustion engines. 1,829,276; Oct. 27.
Guthridge, C. F. (See Polakoff, George, assignor.)
Guthrie, Robert G., and O. J. Wozasek, assignors to Peoples Gas By-Products Corporation, Chicago, Ill.; said Wozasek now by change of name O. J. Wilbor. Bright annealing of metals. 1,815,505; July 21.
Guthrie, William S., assignor to Marvel Carbureter Company, Flint, Mich. Carburetor. 1,821,012; Sept. 1.
Gutiérrez, Manuel S. (See Zubia, J. D., and Gutiérrez.)
Gutierrez, Peter P., Watsonville, Calif. Automobile stop and turning signal. 1,794,014; Feb. 24.
Gutke, Glen L. (See Husberg, A., and Gutke.)
Gutman, Irwin, Pittsburgh, Pa. Septic tank. 1,810,474; June 16.
Gutmann, Ferdinand & Co. (See Gutmann, Jesse, assignor.)
Gutmann, Jesse, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Pouring lip for containers and applying same. 1,837,618; Dec. 22.
Gutmann, Paul F. (See Begeman, M. L., and Gutmann.)
Gutzke, Robert, Penticton, British Columbia, Canada. Coring and slicing device. 1,818,848; Aug. 11.
Gutzmann, Frit. (See Gerth, F., and Gutzmann.)
Guy, Benjamin A., Paris, France. Level indicator adapted chiefly for high pressure boilers. 1,823,397; Sept. 15.
Guy, Frederick M., assignor of one-half to T. G. Murton, Detroit, Mich. Vibration damper. 1,822,026; Sept. 8.
Guy, Harry L., Chicago, Ill. Shingle manufacture. 1,806,161; May 19.
Guy, Henry L., Hale, England, assignor to Westinghouse Electric & Manufacturing Company. Vapor condenser. 1,816,149; July 28.
Guy, Henry L., Hale, England, assignor to Westinghouse Electric & Manufacturing Company. Evaporator. 1,820,065; Aug. 25.
Guy, Henry L., Hale, England, assignor to Westinghouse Electric & Manufacturing Company. Turbine support. 1,828,407; Oct. 20.
Guy, Henry L., Hale, England, assignor to Westinghouse Electric & Manufacturing Company. Elastic fluid turbine casing. 1,828,408; Oct. 20.
Guy, Sydney S., Wolverhampton, England. Internal-combustion engine. 1,792,980; Feb. 17.
Guyatt, George H., Warwick Lane, London, assignor to John Walker & Company, Limited, London, England. File, temporary binder, loose leaf book, and the like. 1,820,222; Aug. 25.
Guyer, George A., Chicago, Ill. Piling spacer. 1,805,086; May 12.
Guyer, Jean, Zurich, Switzerland. Model for geometry instruction. 1,810,421; June 16.
Guyer, Reynolds, St. Paul, Minn., assignor to Waldorf Paper Products Company. Closure for pouring carton. 1,803,612; May 5.
Guyot Brothers Co. Inc. (See Guyot, Gaston A., assignor.)
Guyot, Gaston A., assignor to Guyot Brothers Co. Inc., Attleboro, Mass. Snap catch. 1,794,333; Feb. 24.

Guyot, Walter, assignor to The Parker Pen Company, Janesville, Wis. Desk-set receptacle. 1,793,610; Feb. 24.
Guyot, Walter, Janesville, Wis., assignor, by mesne assignments, to Pen Desk Set Company, Chicago, Ill. Desk set. 1,814,085; July 14.
Guzak, Mary I., assignor to Associated Merchandising Corporation, New York, N. Y. Ensemble dress. Des. 85,869; Dec. 29.
Gwaltney, James S. (See Gordon, R. F., and Gwaltney.)
Gwaltney, William E., Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coating process. 1,790,213; Jan. 27.
Gwinn, George W., Hewlett, N. Y., assignor to American Machine & Foundry Company. Feed mechanism for weighing machines. 1,838,177; Dec. 29.
Gwinn, Joseph M., jr., Buffalo, N. Y. Aircraft. 1,828,184; Oct. 20.
Gwinn, Joseph M., jr., assignor to Consolidated Aircraft Corporation, Buffalo, N. Y. Aircraft. 1,791,497; Feb. 10.
Gwinn, Joseph M., jr., assignor to Consolidated Aircraft Corporation, Buffalo, N. Y. Aircraft. 1,804,765; May 12.
Gwinnett, James E., Kent, Wash. Amusement device. 1,789,680; Jan. 20.
Gwyer, Kingsley Van A., Stratford, Conn. Collapsible support. 1,830,230; Nov. 3.
Gwynne, Joseph H., Warren, Ohio. Batcher. 1,820,615; Aug. 25.
Gwynne, Walter C., Hollis, N. Y., assignor to Metropolitan Electric Mfg. Co. Stage-lighting system. 1,799,789; Apr. 7.
Gygi, Charles, Norfolk, Va. Garment bagger. 1,792,161; Feb. 10.
Gylleck, Olaf T., assignor to The Challenge Machinery Company, Grand Haven, Mich. Adjustable playing card block. 1,817,078; Aug. 4.
Gymnaitis, Nicholas, Santa Barbara, Calif. Current filter for radios. 1,790,234; Jan. 27.
Gypsy Oil Company. (See Hatcher, O., and Byers, assignors.)
Gypsy Oil Company. (See Wright, R. L., and Collins, assignors.)
Gyro Brush Co. (See Emerson, Ralph W., assignor.)
Gyro Process Company. (See Christy, Anker L., assignor.)
Gyro Process Company. (See Ramage, Alexander S., assignor.)
Gyro Process Company. (See Smith, Clyde L., assignor.)
Gyro Process Company. (See Wagner, Cary R., assignor.)
Gyro Process Company. (See Watson, Cornelius B., assignor.)
Gyro Process Company, The. (See Weaver, J. B., and Wagner, assignors.)
Gysling, Manuel H., assignor to American District Steam Company, North Tonawanda, N. Y. Retaining device for pipe coverings. 1,819,553; Aug. 18.
"H. H." Carburetter Company Limited. (See Hutchison, Hugh, assignor.)
H. L. J. Specialty Co. (See Hayden, Robert B., assignor.)
H. & T. Engineering Corporation. (See Hanson, John G., assignor.)
H. Th. Bohme A. G. (See Bertsch, Heinrich, assignor.)
Haack, Friedrich W., Berlin, Germany. Pencil with lead shiftable and fixable by a sliding sleeve. 1,797,723; Mar. 24.
Haack, William F., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool. 1,800,384; Apr. 14.
Haack, William F., Newark, N. J., assignor of one-half to A. W. Rahn, New York, N. Y. Vehicle map rack device. 1,814,690; July 14.
Haacke, Henry, et al. (See Johnson, Ernest W., assignor.)
Haag, Albert R., Peoria, Ill. Wringer. 1,794,172; Feb. 24.
Haag, Albert R., Peoria, Ill. Gearing for washing machine agitators. 1,815,906; July 28.
Haag, Plumus P., et al. (See Cornner, A. F., and King, assignors.)
Haag, Walther. (See Michael, W., and Haag.)
Haage, Konrad. (See Pfluger, A., and Haage.)
Haake, Robert and W., Klotzsche, near Dresden, Germany. Manufacture of soluble starch. 1,792,088; Feb. 10.
Haake, Walter. (See Haake, Robert and W.)
Haaker, Jacobus D., Eindhoven, Netherlands. Sunshade, umbrella, and the like. 1,836,322; Dec. 15.
Haakh, Otto. Rotterdam, Netherlands. Device to be applied to cigars. 1,837,771; Dec. 22.
Haalmeijer, Jan D., Leiden, W. W. Haalmeijer, Amsterdam, and W. J. van de Reijden, Leiden, assignors to Naamlooze Vennootschap Internationale Handelsvereeniging, Amsterdam, Netherlands. Brake for automotive vehicles. 1,839,096; Dec. 29.
Haalmeijer, Willem W. (See Haalmeijer, J. D. and W. W., and van de Reijden.)
Haanen, Carl A., Cologne-Mulheim, and H. Meurer, Cologne, assignors to Felten and Guilleaume Carlswerk Actien Gesellschaft, Cologne-Mulheim, Germany. Wrapping paper for the insulation of electric cables. 1,808,407; June 2.
Haas, Alphonse, San Bernardino, Calif. Cigar or cigarette ash protector. 1,804,979; May 12.
Haas, Carl F., Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Head for a lighting unit. Des. 83,105; Jan. 20.
Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Cap for a lamp standard. Des. 84,697; July 21.
Haas, Charles C., Whitewood, S. Dak. Treating ores. 1,825,949; Oct. 6.
Haas, Edward, Brooklyn, N. Y., assignor to Package Machinery Company, Springfield, Mass. Wrapping machine. 1,807,981; June 2.
Haas, Edward, Brooklyn, N. Y., assignor to Package Machinery Co., Springfield, Mass. Rear tucking mechanism for wrapping machines. 1,824,266; Sept. 22.
Haas, Edward, Houghton, Mich. Side guard for shoes. 1,809,845; June 16.
Haas, Fred S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Attachment for machine tools. 1,790,857; Feb. 3.
Haas, Fred S., Herkimer, N. Y., assignor to Remington Arms Company. Cash register. 1,799,687; Apr. 7.
Haas, Fred S., Mount Washington, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,839,182; Dec. 29.
Haas, Friedrich J. (See Mantei, Franz F., assignor.)
Haas, Herman, Lennep, Germany. Air circulating device for drying flat fabrics. 1,804,558; May 12.
Haas, Ira G., Far Rockaway, assignor to Sherwin, Haas & Co., New York, N. Y. Display device. 1,818,799; Aug. 11.
Haas, John, et al. (See Stechauner, John, assignor.)
Haas, Joseph, Newport, Ky. Identification tag. 1,838,760; Dec. 29.
Haas, Joseph, and R. Evans, Martinsburg, W. Va., assignors to The Interwoven Mills, Inc., New Brunswick, N. J. Circular-knitting machine. 1,798,601; Mar. 31.
Haas, Louis W. (See Meyer, A. W., and Haas.)
Haas, Lucien L., assignor to Buffalo Pressed Steel Co., Buffalo, N. Y. Muffler with relief valve. 1,795,947; Mar. 10.
Haas, Lucien L., assignor to Buffalo Pressed Steel Company, Inc., Buffalo, N. Y. Air receiving and directing means for rotary fans. 1,809,846; June 16.
Haas, Lucien L., assignor to Buffalo Pressed Steel Co., Buffalo, N. Y. Muffler. 1,817,981; Aug. 11.
Haas, Lucien L., assignor to Buffalo Pressed Steel Company, Buffalo, N. Y. Muffler. 1,820,972; Sept. 1.
Haas, Lucien L., assignor to Buffalo Pressed Steel Company, Buffalo, N. Y. Muffler. 1,828,110; Oct. 20.
Haas, Nelson R., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Dynamo brush. 1,804,052; May 5.
Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Winding machine. 1,805,544; May 19.
Haase, Frederick A., and A. H. Wewerka, Baltimore, Md. Gasoline reserve supply device. 1,829,277; Oct. 27.
Haase, Heinrich, Rathenow, Germany. Metallic ball-head hinge for nonmetallic spectacle-frames. 1,814,032; July 14.
Haase, Jorgen I., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Machine for building rubber conduits. 1,827,650; Oct. 13.
Haase, Leo G., Long Beach, Calif. Water meter. 1,827,230; Oct. 13.
Haase, Leo G., and F. M. Brooks, Pasadena, assignors to Art Concrete Works, Pasadena, Calif. Extensible meter box. 1,817,307; Aug. 4.
Haase, Wilbert W., Forest Park, Ill. Burial vault. 1,839,149; Dec. 29.
Habenicht, Frederick K. (See Campbell, S. H., and Habenicht.)
Haber, Eugen, Berlin-Charlottenburg, Germany. Iron-plate chimney. 1,800,015; Apr. 7.
Haber, Eugen, Berlin-Charlottenburg, Germany. Cleaner for the flue gas channels of preheaters. 1,801,811; Apr. 21.
Haberern, John. (See Pudin, Martin, assignor.)
Haberfeld, Erwin O. (See Linse, Max, assignor.)
Haberl, Paul A., Denver, Colo. Floating lure. 1,834,277; Dec. 1.
Haberlin, John F., assignor to Boeing Airplane Company, Seattle, Wash. Cover for screw shafts. 1,813,352; July 7.
Haberman, Charles, North Bergen, assignor to Oscar Schmidt, Inc., Jersey City, N. J. Stringed musical instrument. 1,789,681; Jan. 20.
Haberman, Clemens A., Milwaukee, Wis. Machine for cutting and skiving soles of shoes. 1,796,020; Mar. 10.
Habermehl, Robert, deceased; by T. Habermehl, née Goedert, executrix, Berlin-Schoneberg, Germany. Casing in two parts for packing parachutes. 1,795,168; Mar. 3.
Habermehl, Therese, née Goedert, executrix. (See Habermehl, Robert.)
Habirshaw Cable & Wire Corporation. (See Del Mar, William A., assignor.)
Habla, Alois, Rading-Theusing, near Karlsbad, Czechoslovakia. Brick kiln for burning of bricks and similar articles. 1,809,336; June 9.
Hachenberg, Louis, Throggsneck, assignor of one-half to W. Brady, Ossining, N. Y. Window cleaning device. 1,816,370; July 28.
Hacheney, Frank C., Vancouver, Wash. Headlight. Des. 83,803; Mar. 31.

Hacheney, Frank C., Vancouver, Wash. Headlight. Des. 83,967; Apr. 21.
Hacheney, Frank C., Vancouver, Wash. Headlight. 1,827,651; Oct. 13.
Hachmeister, George J., Des Plaines, assignor to G. M. Davis Regulator Company, Chicago, Ill. Valve. 1,814,691; July 14.
Hack, Ernest B., assignor of one-half to A. V. Lezzo, Melbourne, Victoria, Australia. Apparatus for spraying of bitumen on roadways and the like. 1,803,248; Apr. 28.
Hack, Ernest B., East Melbourne, assignor of one-half to A. V. Leggo, Melbourne, Victoria, Australia. Production of material to be used in the formation of roadways and the like. 1,806,250; May 19.
Hacker Manufacturing Co. (See Christopherson, Alfred C., assignor.)
Hacker Manufacturing Co. (See Crehore, Robbins B., assignor.)
Hackethal, Johannes, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Valve-regulating apparatus. 1,793,228; Feb. 17.
Hackett, James G. (See MacKenzie, George F., assignor.)
Hackett, Robert W., Kirklyn, and A. G. Worrall, Wyncote, Pa., assignors to L. J. Kolb, Philadelphia, Pa., trading as Safetee Glass Company. Making the border seal of laminated glass. 1,829,647; Oct. 27.
Hackl, Albert T., Bartow, Fla. Merchandising system and mechanism. 1,795,365; Mar. 10.
Hackl, Heinrich, Heufeld, Germany. Manufacture of bisulphuric liquor and dimagnesium phosphate. 1,814,916; July 14.
Hackländer, Carl H., Wermelskirchen, Germany. Carpet or rug. 1,812,948; July 7.
Hackländer, Carl H., assignor to Hackländer & Co., Wermelskirchen, Rheinland, Germany. Electroscopic testing device. 1,790,540; Jan. 27.
Hackley, John H., Cherryvale, Kans. Disinfecting incubators. 1,837,264; Dec. 22.
Hackney Bros. Body Co. (See Jewell, George A., assignor.)
Hackney, William W., Fort Wayne, Ind., assignor to The Western Gas Construction Company. Gas distribution apparatus. 1,820,662; Aug. 25.
Hadad, Mitchel E., Brooklyn, N. Y. Negligée pyjama garment. 1,818,849; Aug. 11.
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,793,481; Feb. 24.
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Operating upon shoes. 1,816,902; Aug. 4.
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel base. 1,836,240; Dec. 15.
Hadden Company. (See Johnson, Frederick H., assignor.)
Hadden, Robert, Atlantic City, N. J. Adjustable garment hanger. 1,817,369; Aug. 4.
Hadden, William J., assignor to Donaldson Manufacturing Company Limited, Glasgow, Scotland. Roller blind and fittings therefor. 1,788,021; Jan. 6.
Hadden, William J., assignor to Donaldson Manufacturing Company Limited, Glasgow, Scotland. Roller blind and fitting therefor. 1,797,204; Mar. 17.
Hadden, William J., assignor to Donaldson Manufacturing Company Limited, Glasgow, Scotland. Golf club. 1,802,507; Apr. 28.
Hadden, William J., assignor to Donaldson Manufacturing Company, Limited, Glasgow, Scotland. Head for golf clubs. 1,818,553; Aug. 11.
Haddow, William, Ossining, N. Y. Die lapping machine. 1,826,347; Oct. 6.
Haden, Elbridge G., Charlottesville, Va. Flush valve. 1,820,796; Aug. 25.
Haden, William E. (See Wood, E. S., Haden, Sharp, and Ashmore.)
Hadfield-Penfield Steel Company. (See Henneuse, Clarence A., assignor.)
Hadford, Louis, Spokane, Wash. Patch. 1,814,383; July 14.
Hadley, Art, assignor to The Hadley Company, Inc., Providence, R. I. Making bracelet links. 1,821,058; Sept. 1.
Hadley, Charles R., Company. (See Webb, Robert R., assignor.)
Hadley Company, The. (See Domler, Charles A., assignor.)
Hadley Company, The. (See Hadley, Art, assignor.)
Hadley Company, The. (See Mealy, Charles A., assignor.)
Hadley Company, The. (See Tost, C. R., and Domler, assignors.)
Hadley, Donald L. (See Jordan, R. H., Hadley, and Dohner.)
Hadley, Frank K., assignor to St. Louis Rubber Cement Company, St. Louis, Mo. Composition for lifting friction skin imprints. 1,833,287; Nov. 24.
Hadley, Harlan A., St. Johnsbury, Vt. Hanging scale. 1,832,551; Nov. 17.
Hadley, Harlan A., assignor to E. T. Fairbanks and Company, St. Johnsbury, Vt. Scales. 1,809,692; June 9.
Hadley, Harlan A., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Scale. 1,832,550; Nov. 17.
Hadley, Harlan A., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Fabric testing machine. 1,837,864; Dec. 22.
Hadley, Homer M., Seattle, Wash. Railway crosstie. 1,824,776; Sept. 29.
Hadly, Charles O. (See Smith, William J., assignor.)
Hadwik Mfg. Co. (See Wikstrom, Frank G., assignor.)
Haefeli, Arnold. (See Ashton, G., and Frei, assignors.)
Haefely, Emil, Basel, Switzerland. Electric condenser. 1,794,289; Feb. 24.
Haefely, Emil, Basel, Switzerland. Electrical condenser. 1,821,803; Sept. 1.
Haefliger, Albert, executor. (See Haefliger, Herman.)
Haefliger, Herman, deceased, Los Angeles, Calif.; A. Haefliger, executor, assignor to Self-Regulating Watch Corporation. Timepiece regulator. 1,835,391; Dec. 8.
Haegele, Otto P., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Intermittent motion transmitting device. 1,833,644; Nov. 24.
Haegermann, Friedrich, Peine, Germany. Prize trophy. 1,816,114; July 28.
Haehnel, Wolfram. (See Herrmann, W. O., and Haehnel.)
Haehnel, Wolfram. (See Herrmann, W. O., Deutsch, and Haehnel.)
Haentjens, Otto, Hazleton, Pa. Priming system for centrifugal pumps. 1,791,408; Feb. 3.
Haentjens, Otto, Hazleton, Pa. Diaphragm valve. 1,793,396; Feb. 17.
Haentjens, Otto, Hazleton, Pa. Multistage centrifugal pump. 1,816,775; July 28.
Haering, Norbert G., Cincinnati, Ohio, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric receptacle baffle. 1,829,648; Oct. 27.
Haertel, Hans R., Wrentham, assignor to T. H. Dumper, trustee, Newton, Mass. Rubberized article. 1,836,660; Dec. 15.
Haeseler, John A. (See Eldridge, Eustace B., assignor.)
Haeuber, Hans. (See Linckh, E., and Haeuber.)
Hafer, James H., Newport, Ky. Apparatus for hardening steel. 1,834,702; Dec. 1.
Haffke, Charles, Boise, Idaho. Luggage carrier. 1,809,119; June 9.
Hafford, Daniel J., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Locking device for tool retainers. 1,811,389; June 23.
Hafford, Daniel J., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Steel retainer for percussive drills. 1,834,945; Dec. 8.
Hafner, Albert. (See Taylor, C. H., and Hafner.)
Haga, Sojiro, Tokyo-Shi, Japan. Protecting steam boilers against flowing back of boiler water when feeding system leaks. 1,828,138; Oct. 20.
Hagan, Clarence H., Enid, Okla. Placard holder. 1,787,678; Jan. 6.
Hagan, George J., Company. (See Dauch, A. D., and Sandberg, assignors.)
Hagan, George J. Company. (See Hain, Veit A., assignor.)
Hagan, Joseph B., Berkeley, Calif. Door control. 1,790,268; Jan. 27.
Hagberg, Warner V., Minneapolis, Minn. Attachment for dental and similar chairs. 1,833,942; Dec. 1.
Hagedorn, Carl, and J. W. Hagedorn, Everett, Wash. Grate bar. 1,796,868; Mar. 17.
Hagedorn, John W. (See Hagedorn, Carl and J. W.)
Hagedorn, Max, and A. Ossenbrunner, Dessau in Anhalt, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Amino cellulose derivatives. 1,833,286; Nov. 24.
Hagedorn, Max, Dessau, and O. Reichert, Dessau-Ziebigk, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing cellulose esters of lower fatty acids. 1,832,381; Nov. 17.
Hagel, Albert, assignor to Consolidated Safety Pin Co., Bloomfield, N. J. Vanity case. 1,800,624; Apr. 14.
Hageman, Aaron M., Bloomfield, and A. F. Lindstrom, Nutley, N. J., assignors to Westinghouse Lamp Company. Coating the interior wall of hollow bodies. 1,816,903; Aug. 4.
Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Strip aligning apparatus for manifold record machines. 1,804,608; May 12.
Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Billing machine aligner. 1,809,590; June 9.
Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Autographic register. 1,812,478; June 30.
Hagemann, Louis F., assignor to American Sales Book Company, Limited, Niagara Falls, N. Y. Lever feed autographic register. 1,827,745; Oct. 20.
Hagen, Christ M., and W. H. Prestidge, Belgrade, Minn. Fruit jar holder. 1,831,659; Nov. 10.
Hagen, Harold F., Dedham, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Drying kiln. 1,833,397; Nov. 24.
Hagen, John H., assignor to The H. H. Miller Industries Company, Canton, Ohio. Freezing machine. 1,827,873; Oct. 20.
Hagens, Walter G., near Yoakum, Tex. Poison or powder distributor. 1,808,654; June 2.

Hager, Aurborn L. and L. S., Nashville, Tenn. Manufacture and treatment of automobile brake bands, linings, straps, disks, clutch facings, and cones. 1,797,141; Mar. 17.
Hager, Aurborn L. and L. S., Nashville, Tenn. Manufacturing and treating brake bands. 1,797,142; Mar. 17.
Hager, Frank O., assignor to Bronze Grave Marker Co., Topeka, Kans. Grave marker. 1,830,836; Nov. 10.
Hager, Karl. (See Kranzlein; G., Greuene, Thiele, and Hager.)
Hager, Lon E. (See Hager, Aurborn L. and L. S.)
Hagerling, Fred J., St. Louis, Mo. Tool. 1,824,133; Sept. 22.
Hagey, Frank P and J. A. Kretzer, Omaha, Nebr. Automatic valve. 1,790,541; Jan. 27.
Haggard, Jerre, El Paso, Tex. Artificial stone. 1,793,172; Feb. 17.
Haggard, Jerre, assignor to The Atlas Lime Company, Inc., El Paso, Tex. Making artificial stone products. 1,831,858; Nov. 17.
Haggerty, Joseph F., and D. D. Crandall, assignors to National Gypsum Company, Buffalo, N. Y. Plastic paint. 1,814,086; July 14.
Hagglund, Erik, Abo, Finland. The production of cellulose. 1,792,009; Feb. 10.
Hägglund, Erik, Abo, Finland. Treating black liquor obtained in the soda pulp process. 1,795,557; Mar. 10.
Hägglund, Erik, Abo, Finland, assignor to the firm Holzhydrolyse Aktiengesellschaft, Heidelberg, Germany. Purification of carbohydrates obtained by hydrolysis of cellulose by means of hydrochloric acid. 1,818,618; Aug. 11.
Hagist, Emil T., Glenside, Pa. Electrical conduit fittings. 1,833,462; Nov. 24.
Hagiwara, Tetsudo, Kitatoshima Gun Tokyo Fu, Japan, assignor to R. Miura, Tokyo, Japan. Manufcturing paper pulp from bagasse and other gramineæ plants. 1,825,349; Sept. 29.
Haglund, Gustaf, assignor to Patentaktiebolaget Gröndal-Ramen, Stockholm, Sweden. Cellulose cooking. Re18,200; Sept. 22.
Haglund, Gustaf, assignor to Patentaktiebolaget Gröndal-Ramen, Stockholm, Sweden. Producing at the cooking of cellulose and especially of sulphite cellulose a waste liquor containing a high percentage of organic matters. 1,791,476; Feb. 3.
Haglund, Gustaf, assignor to Patent Aktiebolaget Gröndal-Ramen, Stockholm, Sweden. Preparing a liquor for the production of sulphite cellulose. 1,811,268; June 23.
Haglund, Hakon H., Flushing, and A. W. Dickey, Mount Vernon, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y. Tape feed mechanism for printing telegraph apparatus. 1,827,652; Oct. 13.
Haglund, Ture R., Stockholm, Sweden. Producing metals and alloys. 1,794,401; Mar. 3.
Haglund, Ture R., Stockholm, Sweden. Production of aluminum oxide or products containing aluminum oxide out of material containing aluminum sulphide. 1,797,655; Mar. 24.
Haglund, Ture R., Stockholm, Sweden. Refractory material. 1,811,314; June 23.
Haglund, Ture R., Stockholm, Sweden, assignor to International Patent Corporation. Refining ores or products containing aluminum oxide. 1,816,842; Aug. 4.
Haglund, Ture R., Stockholm, Sweden. Manufacture of aluminum and aluminum alloys. 1,833,076; Nov. 24.
Haglund, Ture R., Stockholm, Sweden. Producing products containing both a sulphide and aluminum oxide. 1,837,543; Dec. 22.
Hagmaier, William G., West Allis, and E. C. Shaw, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Edger. 1,788,574; Jan. 13.
Hagmaier, William G., West Allis, and E. C. Shaw, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Edger shifter. 1,835,041; Dec. 8.
Hagman, Harry C., assignor of one-half to H. P. Boos, Minneapolis, Minn. Eliminating fusible patterns from dental molds. 1,822,285; Sept. 8.
Hagman, William J., Philadelphia, Pa. Bus transportation system. 1,814,917; July 14.
Hagood, Robert E. (See Bridwell, Louis H. and H. C., assignors.)
Hagor, Enoch, et al. (See Cullander, Adolph, assignor.)
Hagstrom, Joseph E., Kansas City, Mo. Door holder. 1,817,452; Aug. 4.
Hagstedt, Charles H., Valley Stream, N. Y. Electrical-conduit coupling. 1,794,849; Mar. 3.
Hagstedt, Charles H., Valley Stream, N. Y. Pipe coupling. 1,822,887; Sept. 15.
Hague, Alfred E., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,804,766; May 12.
Hague, Alfred E., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,804,767; May 12.
Hague, Alfred E., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call charging telephone exchange system. 1,823,040; Sept. 15.
Hague, Alfred E., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,831,385; Nov. 10.
Hague, Frank H., London, England. Steering gear, more especially to steering gear for motor road vehicles. 1,791,025; Feb. 3.
Hague, Robert L., New York, N. Y., assignor to Standard Oil Development Company. Equipment for liquid transporting vessels. 1,835,645; Dec. 8.
Hague, Robert L., New York, N. Y., assignor to Standard Oil Development Company. Method and equipment for heat-insulating ship surfaces. 1,835,646; Dec. 8.
Hahl, Hans, Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. New basic phenol alkyl ethers. 1,787,519; Jan. 6.
Hähle, Herbert. (See Schladebach, H., and Hähle.)
Hahling, Charles, Rochester, N. Y. Bottle vending machine. 1,809,693; June 9.
Hahm, George H., Metuchen, N. J. Fuel tank for outboard motors. 1,828,040; Oct. 20.
Hahn, Carl. (See Bayha, H., Hahn, and Heymann.)
Hahn, Clarence J., Buffalo, N. Y. Flexible coupling. 1,821,215; Sept. 1.
Hahn, Edgar A., et al. (See Jaworowski, Joseph F., assignor.)
Hahn, Ferdinand J., deceased, Seattle, Wash., F. H. Hahn, executor. Telephone niche. 1,788,831; Jan. 13.
Hahn, Frederick C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 1,812,335; June 30.
Hahn, Frederick C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Etherifying cellulose. 1,819,600; Aug. 18.
Hahn, Fritz H., executor. (See Hahn, Ferdinand J.)
Hahn, Johann, assignor, by mesne assignments, to United Engineering & Foundry Company, Pittsburgh, Pa. Rotary flying shears. 1,802,554; Apr. 24.
Hahn, Mathias, assignor to the firm of H. Krantz, Aachen, Germany. Suspension for centrifugal extractors. 1,794,402; Mar. 3.
Hahn, Mathias, assignor to H. Krantz, Aachen, Germany. Decatizing of textile fabrics. 1,804,097; May 5.
Hahn, Mathias, assignor to H. Frantz, Aachen, Germany. Flat-pressing of textile fabrics. 1,825,727; Oct. 6.
Hahn, Oskar, Markranstadt, near Leipzig, Germany, assignor to Chromeplate, Inc., Union City, N. J. Electrolytically depositing chromium. 1,789,523; Jan. 20.
Hahn, Otto W., San Francisco, Calif. Automatic gas and water regulator for water heaters. 1,789,547; Jan. 20.
Hahn, Paul, Cassel-Wilhelmshohe, Germany. Making oil gas. 1,788,055; Jan. 6.
Hahn, Paul, Berlin, Germany. Lace and like fastening. 1,806,162; May 19.
Hahn, Robert, Neunkirchen, Germany. Device for the proportionate feeding of mixing ingredients to concrete and mortar mixing machines. 1,823,270; Sept. 15.
Hahnemann, Paul R., assignor to Niagara Machine and Tool Works, Buffalo, N. Y. Sheet metal working machine. 1,812,479; June 30.
Hahnemann, Paul R., assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Sheet metal working machine. 1,822,697; Sept. 8.
Hahnemann, Walter, Berlin-Marienfelde, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Simultaneous wireless broadcasting. 1,798,415; Mar. 31.
Hahnemann, Walter, Berlin-Marienfelde, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Signaling circuit arrangement. 1,802,555; Apr. 28.
Hahnemann, Walter, Berlin-Marienfelde, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. High-frequency machine transmitter. 1,820,223; Aug. 25.
Hahnemann, Walter, Berlin-Marienfelde, Germany, and K. Rath, New York, N. Y., assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Alternating current system. 1,822,439; Sept. 8.
Hahus, Alvin F., Oriole, assignor of one-half to J. M. Hirsch, Cannelton, Ind. Trap. 1,794,228; Feb. 24.
Haidekker, Miklós, Budapest, Hungary. Wire fence making machine. 1,826,515; Oct. 6.
Haig, Rollo A. de H. (See Chorlton, A. E. L., Haig, and Stieger.)
Haig, Virgil B., Los Angeles, Calif. Automatic faucet opening attachment. 1,805,821; May 19.
Haigh, Leslie B., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Rural telephone system. 1,836,590; Dec. 15.
Haigh, Vaughn, assignor to Warner Gear Company, Muncie, Ind. Gear-control-lever mounting. 1,798,530; Mar. 31.
Haight, Harry V., Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, Jersey City, N. J. Bolt and locking sleeve. 1,817,188; Aug. 4.
Haight, Hiram H., Milwaukee, Wis. Power take-off. 1,792,584; Feb. 17.
Haigis, Carleton D., Haddonfield, N. J., assignor to Victor Talking Machine Company. Sound-regulating device. 1,798,157; Mar. 31.
Haigis, Carleton D., Haddonfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Evacuated vessels and manufacturing the same. 1,836,590; Dec. 15.
Haigis, Carleton D., Haddonfield, and L. Y. Squibb, Camden, N. J., assignors to Victor Talking Machine Company. Stylus-bar mounting. 1,796,149; Mar. 10.
Haigler, Claude C., San Jose, Calif. Decoy. 1,806,456; May 19.

Hailes, William D., assignor to General Railway Signal Company, Rochester, N. Y. Continuous inductive train-control system. 1,794,608; Mar. 3.
Hailes, William D., assignor to General Railway Signal Company, Rochester, N. Y. Continuous inductive train-control system. 1,794,609; Mar. 3.
Hailes, William D., assignor to General Railway Signal Company, Rochester, N. Y. Continuous inductive train control system. 1,822,088; Sept. 8.
Hailes, William D., assignor to General Railway Signal Company, Rochester, N. Y. Continuous inductive train control system. 1,824,134; Sept. 22.
Hailes, William D., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 1,824,135; Sept. 22.
Hailes, William D., assignor to General Railway Signal Company, Rochester, N. Y. Direct current track relay for railway signaling systems. 1,824,136; Sept. 22.
Hailes, William D., assignor to General Railway Signal Company, Rochester, N. Y. Continuous inductive train control system. 1,824,749; Sept. 22.
Hailwood, Anthony J. (See Baddiley, J., Shepherdson, and Hailwood.)
Hailwood, Anthony J., Blackley, Manchester, assignor to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of new derivatives from sulphite cellulose waste. 1,812,693; June 30.
Hailwood, Anthony J., and A. Shepherdson, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Preparation of solid bodies in finely divided states. 1,837,772; Dec. 22.
Haims, Philip L., Cleveland, Ohio. Hairpin. 1,823,685; Sept. 15.
Haims, Philip L., Cleveland, Ohio. Hairpin or similar device. 1,834,153; Dec. 1.
Hain, Veit A., Chicago, Ill., assignor to George J. Hagan Company, Pittsburgh, Pa. Counterflow furnace. 1,792,423; Feb. 10.
Haines, Charles T., Youngstown, Ohio. Pickling machine. 1,787,820; Jan. 6.
Haines, Claude E., Tacoma, Wash. Picture frame support. 1,822,398; Sept. 8.
Haines Corporation, The. (See Lane, Ralph W., assignor.)
Haines, Daniel B., Montreal, Quebec, Canada. Portable electric flash light. 1,792,902; Feb. 17.
Haines, Frederick W. (See Falls, David, assignor.)
Haines, George D. (See Grigsby, O. E., and Haines.)
Haines, Harold L., and F. A. Mickle, assignors to Economy Baler Company, Ann Arbor, Mich. Compress. 1,838,619; Dec. 29.
Haines Hosiery Mills, Inc. (See Haines, Joseph, jr., assignor.)
Haines Hosiery Mills Inc. (See Paget, Harold F., assignor.)
Haines, Joseph, jr., Meadowbrook, assignor to Haines Hosiery Mills Inc., Philadelphia, Pa. Welt closing mechanism for full fashioned hosiery machines. 1,821,154; Sept. 1.
Haines, Joseph, jr., Meadowbrook, assignor to Haines Hosiery Mills, Inc., Philadelphia, Pa. Loop regulating mechanism for full fashioned hosiery knitting machines. 1,826,660; Oct. 6.
Haines, Joseph, jr., Meadowbrook, assignor to Haines Hosiery Mills, Inc., Philadelphia, Pa. Welt closing mechanism for full fashioned knitting machines. 1,826,661; Oct. 6.
Haines Manufacturing Corporation. (See Ball, Charles J., assignor.)
Haines, William T., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Telephone system. 1,830,873; Nov. 10.
Hair, Joseph L. (See Smithson, W. D., and Hair.)
Haislip, Richard A., Caldwell, N. J., assignor to American Telephone and Telegraph Company. System for building out loading sections of signaling cables. 1,832,981; Nov. 24.
Haiss, Alfred W., assignor to George Haiss Manufacturing Co., Inc., New York, N. Y. Conveyer. 1,790,809; Feb. 3.
Haiss, Alfred W., assignor to George Haiss Manufacturing Co. Inc., New York, N. Y. Wagon loader and excavator. 1,812,292; June 30.
Haiss, George, Manufacturing Co. Inc. (See Bosworth, William H., assignor.)
Haiss, George, Manufacturing Co. Inc. (See Haiss, Alfred W., assignor.)
Haiss, George, Manufacturing Co. Inc. (See Haiss, Raymond C., assignor.)
Haiss, Raymond C., assignor to George Haiss Manufacturing Co. Inc., New York, N. Y. Wagon loader and excavator. 1,790,810; Feb. 3.
Haiss, Raymond C., assignor to George Haiss Manufacturing Co. Inc., New York, N. Y. Wagon loader. 1,790,811; Feb. 3.
Haister, Aaron, Brooklyn, assignor to M. Breth, New York, N. Y. Unwinding device for bolts of cloth. 1,802,251; Apr. 21.
Håkansson, Sven E. (See Graham, E. K. P., and Håkansson.)
Hakemeyer, Charles, Paterson, N. J. Let off device for looms. 1,822,286; Sept. 8.
Hakim, John B., Danbury, Conn. Carroting composition. 1,806,533; May 19.
Halank, Gustav F. (See Hohn, M. P. E., and Halank.)
Halbach, Howard L., Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company. Apparatus for drawing sheet glass. 1,811,125; June 23.
Halbach, Howard L., Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company. Apparatus for making glass sheets. 1,818,130; Aug. 11.
Halbach, Robert M., Lakewood, N. J. Headlight. 1,798,083; Mar. 24.
Halberg, Harry L. (See Halberg, Samuel and H. L.)
Halberg, Samuel, and H. L., New York, N. Y. Sewing machine attachment. 1,828,966; Oct. 27.
Halbig, Paul, F. Kaußer, and P. Schmitz, Munich, assignors to Dr. Alexander Wacker Gesellschaft für elektrochemische Industrie G. m. b. H., Munich, Bavaria, Germany. Producing keto acid esters. 1,798,937; Mar. 31.
Halbig, Paul, and F. Kaußer, assignors to Dr. Alexander Wacker Gesellschaft fur Elektrochemische Industrie, Munich, Germany. Effecting ester condensations. 1,805,281; May 12.
Halbig, Paul and F. Kaußer, assignors to Dr. Alexander Wacker Gesellschaft fur Elektrochemische Industrie G. m. b. H., Munich, Germany. Preparing alkali metal alcoholates. 1,816,843; Aug. 4.
Halborg, Carl J., Detroit, Mich., assignor to Colonial Tool Company. Broaching equipment. 1,802,053; Apr. 21.
Halborg, Carl J., assignor to Colonial Tool Company, Detroit, Mich. Broach holder or adapter. 1,809,237; June 9.
Haldeman, Virgil K., et al. (See Stanbrough, Roy G., assignor.)
Halder, Charles, Hawthorne, N. J., assignor to The Bradford Corporation, New York, N. Y. Steam locomotive. 1,824,541; Sept. 22.
Haldey, Harlan A., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Dashpot. 1,837,815; Dec. 22.
Hale, Edwin, assignor to Warwick China Company, Wheeling W. Va. Plate. Des. 84,474; June 23.
Hale, Frank B. (See McBride, L. M., and Hale.)
Hale, Frank B., Edgewood Arsenal, Md. Point detonating fuse. 1,806,877; May 26.
Halford, Frank B., and W. H. Arscott, London, England. Variable speed transmission mechanism. 1,839,027; Dec. 29.
Hale, Fred E., et al. (See Hale, Fred E., assignor.)
Hale, Fred E., Omaha, Nebr., assignor to D. J. Killen, S. A. Rognstad, and F. E. Hale, trustees, conducting business as Champion Carburetor Company, Chicago, Ill. Carburetor. 1,838,392; Dec. 29.
Hale, George C., Dover, N. J. Delay powder. 1,805,214; May 12.
Hale, George K., Manufacturing Company. (See Bertolet, Elmer C., assignor.)
Hale, Jane, Chicago, Ill. Wash-cloth doll. Des. 83,419; Feb. 17.
Hale & Kilburn Co. (See Bell, Alfred B., assignor.)
Hale Pneumatic, Ltd. (See Hale, William B., assignor.)
Hale, William B., Huntington Park, Calif., assignor to Hale Pneumatic, Ltd., Lovelock, Nev. Air concentrator or compressor. 1,806,941; May 26.
Hale, William J., assignor to The Dow Chemical Company, Midland, Mich. Making diarylamines. 1,804,466; May 12.
Hale, William J., assignor to The Dow Chemical Company. Midland, Mich. Manufacture of thiohydroxy organic compounds. 1,825,662; Oct. 6.
Hale, William J., and E. C. Britton, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of phenolic compounds. Re18,129; July 14.
Hale, William J., and E. C. Britton, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of phenolic compounds. 1,789,071; Jan. 13.
Hale, William J., and E. C. Britton, assignor to The Dow Chemical Company, Midland, Mich. Making phenolic compounds. 1,806,798; May 26.
Hale, William J., and W. C. Stoesser, assignors to The Dow Chemical Company, Midland, Mich. Preparation of diphenylene oxide. 1,808,349; June 2.
Hale, Willis W., Cleveland, Ohio. Sandwich baker. 1,804,335; May 5.
Hale, Willis W., Cleveland, Ohio. Weiner steamer. 1,829,088; Oct. 27.
Hales, Leonard L., Winnipeg, Manitoba, Canada. Brush. 1,804,415; May 12.
Haley, Dennis C. (See Lunt, J. R., and Haley.)
Haley, Drue Allen, Maplewood, Mo. Coin-operated liquid-dispensing apparatus. 1,798,466; Mar. 31.
Haley, Grace L., executrix. (See Haley, Llewellyn N.)
Haley, Harry A. (See Dill, Melvin, assignor.)
Haley, Irving W., Scotia, N. Y. Edge trimmer for lawns. 1,790,417; Jan. 27.
Haley, Llewellyn N., Clearwater, Fla., deceased; G. L. Haley, executrix. Rug frame. 1,793,364; Feb. 17.
Haley, Reuben, Beaver, Pa. Lighting fixture. 1,806,251; May 19.
Haley, Reuben, Beaver, Pa. Bubbled colored glass articles. 1,816,045; July 28.
Haley, Robert, Louisville, and S. B. Elrod, jr., Jeffersonville, Ind., assignors to Logan Co., Inc., Louisville, Ky. Lattice-operated flexible switch. 1,792,011; Feb. 10.
Halfvarson, Gustaf A., Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company. Safety device for elevators. 1,825,269; Sept. 29.

Halizite Corporation. (See Hawerlander, Adolf, assignor.)
Halkyard, Charles C., Melbourne, Victoria, Australia. Manufacture or lining of pipes by centrifugal action. 1,789,742; Jan. 20.
Hall, Alfred, East Jaffrey, N. H. Envelope sealer. 1,804,609; May 12.
Hall, Allen E., Newport News, Va. Lifeboat-launching device. 1,799,847; Apr. 7.
Hall, Archibald J., Buglawton, England. Dyeing machine. 1,789,040; Jan. 13.
Hall, Archibald J., Congleton, assignor to The Silver Springs Bleaching & Dyeing Company Limited, Timbersbrook, Congleton, England. Process in which viscose silk is subjected to the action of caustic alkalis. 1,812,204; June 30.
Hall, B. J., & Company. (See Hall, Benjamin J., assignor.)
Hall, Benjamin J., assignor to B. J. Hall & Company, Ltd., London, England. Apparatus for developing photographic prints and the like. 1,825,728; Oct. 6.
Hall, Bicknell. (See Birdseye, C., and Hall.)
Hall, Bicknell, Quincy, Mass. Latch. 1,808,219; June 2.
Hall, Bicknell, Gloucester, Mass., assignor, by mesne assignments, to Frosted Foods Company, Inc., Dover, Del. Refrigerating apparatus. 1,822,089; Sept. 8.
Hall, Bicknell, Abington, assignor to Hall Company, Boston, Mass. Variable speed transmission mechanism. 1,832,383; Nov. 17.
Hall, Bicknell, Abington, and E. F. Hathaway, Wellesley, assignors to Hall Company, Boston, Mass. Variable speed transmission mechanism. 1,832,382; Nov. 17.
Hall, Bicknell, Abington, and E. F. Hathaway, Wellesley, assignors to Hall Company, Boston, Mass. Variable speed transmission mechanism. 1,832,384; Nov. 17.
Hall-Brown, Archibald, Purley, and E. W. Jones, Lincoln, England, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Airship mooring mast gear. 1,818,603; Aug. 11.
Hall & Brown Wood Working Machine Company. (See Lewis, Harold L., assignor.)
Hall, C. M., Lamp Company. (See Bamford, F. L., and Martinek, assignors.)
Hall, C. M., Lamp Company. (See Bamford, Frank L., assignor.)
Hall, C. M., Lamp Company. (See Martinek, Alois L., assignor.)
Hall, Carl R. (See Hall, John G. and C. R.)
Hall, Chalmers. (See James, William, assignor.)
Hall, Charles C., assignor, by mesne assignments, to Banner Rock Corporation, Alexandria, Ind. Apparatus and process of treating mineral wool. 1,824,430; Sept. 22.
Hall, Charles G., assignor to Automatic Food Machinery Corporation, Boise, Idaho. Stacking machine. 1,820,563; Aug. 25.
Hall, Charles G., assignor to Automatic Food Machinery Corporation, Boise, Idaho. Kitchen arrangement. 1,820,564; Aug. 25.
Hall, Charles G., Boise, assignor to Automatic Food Machinery Corporation, Boise, Idaho. Waiterless restaurant. 1,825,950; Oct. 6.
Hall, Charles G., assignor to Automatic Food Machinery Corporation, Boise, Idaho. Waiterless restaurant. 1,825,951; Oct. 6.
Hall, Charles G., assignor to Automatic Food Machinery Corporation, Boise, Idaho. Layout for restaurants. 1,825,952; Oct. 6.
Hall, Charles S., Los Angeles, Calif. Aircraft propelling mechanism. 1,788,430; Jan. 13.
Hall, Charles S., Los Angeles, Calif. Aircraft. 1,795,334; Mar. 10.
Hall, Charles S., Los Angeles, Calif. Dirigible construction. 1,795,335; Mar. 10.
Hall, Charles S., Los Angeles, Calif. Aircraft. 1,797,502; Mar. 24.
Hall, Charles S., Los Angeles, Calif. Air cell for aircraft. 1,834,614; Dec. 1.
Hall, Charles S., Los Angeles, Calif., assignor to Hall Engineering & Aircraft Construction Company. Aircraft. 1,792,738; Feb. 17.
Hall, Charles W., assignor to Hall Rotary Valve Motor Company, Denver, Colo. Internal-combustion engine. 1,792,689; Feb. 17.
Hall, Charles W., Denver, Colo., assignor to Hall Rotary Valve Motor Company. Rotary valve for engines. 1,797,062; Mar. 17.
Hall, Charles W., Denver, Colo., assignor of one-half to M. S. Losey. Self-cleaning phonograph needles. 1,836,591; Dec. 15.
Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Electrically-wound clock. 1,800,016; Apr. 7.
Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Thermal responsive device. 1,831,558; Nov. 10.
Hall, Chester I., Philadelphia, Pa., assignor to General Electric Company. Synchronizing system. 1,834,340; Dec. 1.
Hall, Christian W., Salt Lake City Utah. Fireproof tile. 1,790,418; Jan. 27.
Hall, Clarence B., Boston (Dorchester), assignor to L. F. Muther, Newton, Mass. Cinematographic apparatus. 1,798,793; Mar. 31.
Hall Company. (See Hall, Bicknell, assignor.)
Hall Company. (See Hall, B., and Hathaway, assignors.)
Hall, Cortice H., Glen Rock, N. J., assignor to Domestic Stoker Company, New York, N. Y. Ash-removing device. Re18,006; Mar. 24.
Hall, Dorothy K. (See Hall, Horace W., assignor.)
Hall, Edward S., Highlands, N. J., assignor to Mitchell Holding Corporation, New York, N. Y. Machine for making plaster bases or supports. 1,798,531; Mar. 31.
Hall, Edward S., Highlands, N. J., assignor to Mitchell Holding Corporation, New York, N. Y. Plaster support. 1,833,523; Nov. 24.
Hall, Edward W., Portland, Oreg. Propulsion mechanism. 1,824,016; Sept. 22.
Hall, Edwin S., New Haven, Conn. Internal combustion engine. 1,825,691; Oct. 6.
Hall, Edwin S., Arlington, assignor to Sterling Engineering and Manufacturing Corporation, Hyde Park, Mass. Boiler feed apparatus. 1,817,189; Aug. 4.
Hall, Elbert J. (See Winslow, C. A., and Hall.)
Hall, Elbert J., Piedmont, Calif. Temperature-controlling device for internal-combustion engines. 1,790,812; Feb. 3.
Hall, Elbert J., Berkeley, Calif., assignor to American Car and Foundry Motors Company, New York, N. Y. Car construction. 1,803,014; Apr. 28.
Hall, Elbert J., Berkeley, Calif., and C. A. Winslow, Michigan City, Ind. Filter for lubricating systems. 1,800,625; Apr. 14.
Hall, Elmer C., Fairfield, Conn. Paintbrush holder. 1,830,200; Nov. 3.
Hall, Elvin J., Pomona, Calif. Mold for septic tanks. 1,798,670; Mar. 31.
Hall, Elwood C., Vienna, N. J. Striking clock. 1,789,743; Jan. 20.
Hall, Elwood C., Vienna, N. J. Striking clock. 1,811,791; June 23.
Hall, Emil E., Groton, Conn. Motor vehicle rear curtain operator. 1,810,422; June 16.
Hall Engineering & Aircraft Construction Company. (See Hall, Charles S., assignor.)
Hall, Ernest A., assignor, by mesne assignments, to The Columbia Burner Company, Toledo, Ohio. Valve and by pass. 1,793,693; Feb. 24.
Hall, Ernest A., assignor to The Hall Manufacturing Company, Toledo, Ohio. Cylinder hone. 1,796,842; Mar. 17.
Hall, Ernest A., assignor to The Hall Manufacturing Company, Toledo, Ohio. Cylinder hone. 1,831,172; Nov. 10.
Hall, Ernest, Fairfax, Ala. Jacquard type loom. 1,817,818; Aug. 4.
Hall, Ernest, Fairfax, Ala. Tension means for warp beams and the like. 1,833,746; Nov. 24.
Hall, Frank E., Boise, Idaho. Conveyer. 1,831,107; Nov. 10.
Hall, Frank E., Boise, Idaho. Package conveyer for merchandise establishments. 1,832,547; Nov. 17.
Hall, Frank W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Method and apparatus for fractionating hydrocarbon oils. 1,823,897; Sept. 22.
Hall, Frank W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Apparatus for treating oil with aluminum chloride. 1,832,629; Nov. 17.
Hall, George E. (See Witten, Arthur P., assignor.)
Hall, George W., Laconia, N. H., assignor to Persons-Majestic Manufacturing Company, Worcester, Mass. Wheel guard apron. 1,830,940; Nov. 10.
Hall, Guy H. (See Fleming, Robert G., assignor.)
Hall, Harold G., Oneonta, N. Y. Telephone signaling. 1,817,079; Aug. 4.
Hall, Harry E., Englewood, N. J., assignor to Otis Elevator Company, New York, N. Y. Elevator construction. 1,810,960; June 23.
Hall, Harry O., Salt Lake City, Utah. Cutter expander. 1,831,303; Nov. 10.
Hall, Harvey C., Port Nelson, Ontario, assignor to Milne Neckwear Limited, Toronto, Canada. Necktie. 1,803,388; May 5.
Hall, Henry E., et al. (See McGruer, Alfred E., assignor.)
Hall, Hollis B., Newton, Iowa. Automotive vacuum cleaner. 1,809,337; June 9.
Hall, Herbert E., Rumford, Me. Mixer. 1,829,089; Oct. 27.
Hall, Horace C., Littleover, Derby, and T. F. Bradbury, assignors to Rolls Royce Limited, Derby, England. Aluminum alloy. 1,813,850; July 7.
Hall, Horace W., Newton, Mass. Tennis racket. 1,831,413; Nov. 10.
Hall, Horace W., assignor, by mesne assignments, to D. K. Hall, Newton, Mass. Boat construction. 1,794,895; Mar. 3.
Hall, Horace W., assignor, by mesne assignments, to Dorothy K. Hall, Newton, Mass. Racquet and manufacture of the same. 1,831,350; Nov. 10.
Hall, Hugh A., Philadelphia, Pa. Propelling device for use in marine propulsion on any kind of vessel. 1,799,133; Mar. 31.
Hall, Iphus H., Winnipeg, Manitoba, assignor to Halls Limited, Toronto, Ontario, Canada. Liquid-egg separating and grading machine. 1,795,118; Mar. 3.
Hall, J. Goodwin. (See Payne, Clarence Q., assignor.)
Hall, James A., Walton, Ind. Triple-step stool. 1,797,656; Mar. 24.
Hall, Jay H., Cleveland Heights, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Control system for electric motors. 1,809,847; June 16.
Hall, John A. (See Spencer, C. G., and Hall.)

Hall, John C., Whiting, Ind. Golf bag. 1,809,120; June 9.
Hall, John G. and C. R., Chicago, Ill. Clinker tongs. 1,823,041; Sept. 15.
Hall, Joseph M., Hamilton, Ontario, Canada, assignor to Universal Draft Gear Attachment Co. Shock absorber. 1,831,173; Nov. 10.
Hall, Joseph M., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Slack adjuster for railway car brakes. 1,834,098; Dec. 1.
Hall, Joseph M., Hamilton, Ontario, Canada, assignor to Universal Draft Gear Attachment Co. Draft gear. 1,837,816; Dec. 22.
Hall, Lawrence P. (See Mallinckrodt, E., jr., Farr, and Hall.)
Hall, Lee, St. Paul, Minn. Preserving game and food carrier. 1,827,517; Oct. 13.
Hall, Louis M., Fort Thomas, Ky., assignor to The Monarch Tool & Manufacturing Company, Cincinnati, Ohio. Time controlled coin device for radiocircuits. 1,816,526; July 28.
Hall Manufacturing Company, The. (See Hall, Ernest A., assignor.)
Hall, Marion M., Port Nelson, Ontario, Canada. Necktie. 1,824,267; Sept. 22.
Hall, Matilda M., Topeka, Kans. Spring-tensioned egg tongs. 1,789,524; Jan. 20.
Hall & McChesney, Inc. (See McChesney, D. S., and Cooper, assignors.)
Hall, Miles E., assignor of one-half to W. Widemaier, Manasquan, N. J. Lath holder. 1,834,026; Dec. 1.
Hall-Neal Furnace Company. (See Burroughs, Clark L., assignor.)
Hall-Neal Furnace Company. (See Neal, Harry W., assignor.)
Hall, Nelson W., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Lighting brackets. Des. 83,397; Feb. 17.
Hall Organ Company, The. (See Campkin, Frederick, assignor.)
Hall, Peter P-G., Philadelphia, Pa. Thread milling machine. 1,804,686; May 12.
Hall, Philip W., Cranford, N. J. Soil treating mechanism. 1,819,092; Aug. 18.
Hall, Preston M., Worcester, and W. Remington, Swampscott, Mass., assignors, by mesne assignments, to Thomson-Gibb Electric Welding Company. Nonskid chain. 1,788,486; Jan. 13.
Hall, Ralph R., Chicago, Ill. Sectional warp beam. 1,797,955; Mar. 24.
Hall, Randolph F., Ithaca, N. Y. Airplane. 1,818,321; Aug. 11.
Hall, Randolph F., Ithaca, N. Y. Airplane. 1,818,322; Aug. 11.
Hall, Randolph F., Ithaca, N. Y. Airplane. 1,827,845; Oct. 20.
Hall, Randolph F., Ithaca, assignor to Cunningham-Hall Aircraft Corporation, Rochester, N. Y. Airplane. 1,797,657; Mar. 24.
Hall, Renée, Detroit, Mich. Undergarment. 1,827,147; Oct. 13.
Hall, Richard E., Olean, N. Y., assignor, by mesne assignments, to Arvey-Ware Corporation. Device for sealing containers. 1,834,208; Dec. 1.
Hall, Richard E., Olean, N. Y., assignor, by mesne assignments, to Arvey-Ware Corporation. Integral felted fibrous structure. 1,838,761; Dec. 29.
Hall, Robert W. (See Johnson, Carl W., assignor.)
Hall Rotary Valve Motor Company. (See Hall, Charles W., assignor.)
Hall, Roy E., Lyons, Nebr. Safety swinging post for mail boxes. 1,834,775; Dec. 1.
Hall, Rupert E., Chicago, Ill. Tooth. 1,837,042; Dec. 15.
Hall, Shirley A., Norfolk, Va. Draw and push knife. 1,799,045; Mar. 31.
Hall, Theodore, Brooklyn, assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Remote control and answer-back system. 1,788,793; Jan. 13.
Hall, Thomas P., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Applying strips of piping to sheet material. 1,819,024; Aug. 18.
Hall, Virgil H. (See Poux, N. J., Hall, and Crowe.)
Hall, Walter, Worcester, assignor to M. J. Whittall Associates, Worcester, Mass. Cross wire carpet loom. 1,811,008; June 23.
Hall, Walter F. (See Lowrey, G. A., and Hall.)
Hall, Walter H., Winchendon, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Wood heel jack. 1,815,734; July 21.
Hall, Wesley B. (See Godsey, Frank W., jr., assignor.)
Hall, William, Heaton, Bolton, England. Jacking device for road vehicles. 1,817,190; Aug. 4.
Hall, William B., assignor to Union Railway Equipment Company, Chicago, Ill. Wire-basket bunker for refrigerator cars. 1,798,532; Mar. 31.
Hall, Willis F., Cambridge, Mass. Classroom chart. 1,788,715; Jan. 13.
Hallam, Albert W., Kettering, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Dust collector. 1,797,261; Mar. 24.
Hallam, Stanley M., Milwaukee, Wis. Clock lamp. Des. 84,141; May 12.
Hallam, Stanley M., Milwaukee, Wis. Clock lamp. Des. 84,142; May 12.
Hallbauer, William M., St. Louis County, Mo. Mechanical guitar player. 1,797,609; Mar. 24.
Hallden, Karl W., Thomaston, Conn., assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio. Clutch. 1,824,431; Sept. 22.
Hallden, Karl W., Thomaston, Conn., assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio. Apparatus for severing moving articles. 1,836,712; Dec. 15.
Halldorson, Thomas E., Chicago, Ill. Lens shade. 1,796,456; Mar. 17.
Halle, Hiram J., New York, N. Y., assignor to Universal Oil Products Company, Chicago, Ill. Cracking oils. 1,835,774; Dec. 8.
Hallead, Mervil, assignor to The Exact Weight Scale Company, Columbus, Ohio. Bearing. 1,818,323; Aug. 11.
Hallead, Mervil, assignor to The Exact Weight Scale Company, Columbus, Ohio. Damping mechanism for scales. 1,837,817; Dec. 22.
Halleck, Frank A., Michigan City, Ind., assignor to Sullivan Machinery Company. Loading machine. 1,811,927; June 30.
Halleck, Frank A., Michigan City, Ind., assignor to Sullivan Machinery Company. Forging machine. 1,820,188; Aug. 25.
Halleck, Frank A., Chicago, Ill., assignor to Sullivan Machinery Company. Loading machine. 1,834,587; Dec. 1.
Hallen, Carl E., Chicago, assignor to J. B. Crofoot, Mount Prospect, Ill. Holding frame for staples. 1,827,315; Oct. 13.
Hallenbeck, George E., assignor to Baker Brothers, Inc., Toledo, Ohio. Revolving holder machine tool. 1,825,060; Sept. 29.
Hallenbeck, Harold E., assignor to Gifford-Wood Company, Hudson, N. Y. Hopper gate. 1,808,953; June 9.
Hallenbeck, Harold E., assignor to Gifford-Wood Company, Hudson, N. Y. Guiding means for trolley buckets. 1,808,954; June 9.
Hallenbeck, Harold E., assignor to Gifford-Wood Company, Hudson, N. Y. Trolley bucket installation. 1,809,515; June 9.
Hallenbeck, Harold E., assignor to Gifford-Wood Company, Hudson, N. Y. Self-reversing trolley bucket. 1,810,603; June 16.
Hallensleben, Julius. (See Kolle, W., Hallensleben, Streitwolf, and Bauer.)
Haller, Arnold. (See Kubler, J., and Haller.)
Haller, Arnold, Baden, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Circuit breaker operating device. 1,837,544; Dec. 22.
Haller, Arnold, Baden, and S. Rump, Zurich, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Tap switch. 1,828,496; Oct. 20.
Haller, Augustine C., Pittsburgh, Pa. Wing construction for aeroplanes. 1,790,144; Jan. 27.
Haller, Frank J., assignor to Stover Manufacturing & Engine Co., Freeport, Ill. Windmill. 1,806,900; May 26.
Haller, Frank J., assignor to Stover Manufacturing & Engine Co., Freeport, Ill. Windmill sucker rod connection. 1,825,449; Sept. 29.
Haller, Josef. (See Glietenberg, E., Haller, and Baltes.)
Haller, Josef, Wiesdorf-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New azo dyestuffs. 1,810,273; June 16.
Haller, Josef, Wiesdorf, assignor to I. G. Farbenindustrie Atkiengesellschaft, Frankfort-on-the-Main, Germany. Cyanogen halide derivatives of cellulose and process of making. 1,813,619; July 7.
Haller, Ludwig, Stuttgart, Germany. Mortar for dental purposes. 1,792,903; Feb. 17.
Haller, Oskar. (See Laska, L., and Haller.)
Haller, Robert, Riehen, near Basel, and A. Heckendorn, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Cellulose derivatives and making same. 1,838,038; Dec. 22.
Hallerberg, Theodore W., assignor to Lubrication Devices, Incorporated, Battle Creek, Mich. Pump for lubricating systems and the like. 1,829,042; Oct. 27.
Hallert, Albert J., Oakland, Calif. Fireplace heater. 1,822,090; Sept. 8.
Hallert, Albert J., Oakland, Calif. Fireplace heater. 1,822,091; Sept. 8.
Hallett, Andie W., Goza, Okla. Globe check valve. 1,834,276; Dec. 1.
Hallett, Ernest W., Crosby, Minn. Reenforcing bar support for road paving and the like and process of road paving. 1,833,215; Nov. 24.
Hallett, George E. A., assignor to General Motors Research Corporation, Detroit, Mich. Wheel-vibration dampener. 1,792,493; Feb. 17.
Hallett, George E. A., assignor to General Motors Research Corporation, Detroit, Mich. Hydraulic slack adjuster. 1,798,938; Mar. 31.
Hallett, George E. A., assignor to General Motors Research Corporation, Detroit, Mich. Control mechanism for brake booster cylinders. 1,815,619; July 21.
Halley, Elton P., Sanderson, Tex. Key ring retainer. 1,829,136; Oct. 27.
Halley, Wilson H., St. Louis, Mo. Throttle control for motor vehicles. 1,795,600; Mar. 10.
Halliburton, Erle P. (See Hollingsworth, Homer J., assignor.)

Halliburton, Erle P. (See Faucher, J. A., and Halliburton.)
Halliburton, Erle P., Los Angeles, Calif. Method and apparatus for operating wells. 1,834,946; Dec. 8.
Halliburton, Erle P., Duncan, and A. D. Stoddard, Bartlesville, Okla.; said Stoddard assignor to said Halliburton. Method of and apparatus for differentially applying power. 1,791,498; Feb. 10.
Hallings, Roy E., New York, N. Y. Scroll cutting machine. 1,809,381; June 9.
Hallings, Roy E., New York, N. Y. Illuminated transparency. 1,809,382; June 9.
Hallisch, Frank. (See Schultz, E. L., and Hallisch.)
Halliwell, John J., Tuckahoe, assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Inking mechanism. 1,839,028; Dec. 29.
Hallock, Herbert B., Athens, N. Y. Vehicle body. 1,791,409; Feb. 3.
Hallock, Robert L., Mount Vernon, assignor to Sanitary Public Service Corporation, New York, N. Y. Paper severing and dispensing means. 1,838,307; Dec. 29.
Hallongren, Per G. H., Stockholm, Sweden. Device for permitting the continuous feeding of the film in projecting apparatus. 1,825,953; Oct. 6.
Halloran Frank E., Brooklyn, N. Y., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Combination projection arrangement and support therefor. Des. 85,177; Sept. 22.
Halloran, Paul J., Bogota, N. J. Water-cement ratio concrete batcher. 1,790,813; Feb. 3.
Hallot, Paul, Paris, France. Motor-car brake. 1,799,898; Apr. 7.
Hallot, Paul, Paris, France. Servo-brake. 1,810,763; June 16.
Hallowell, Howard T. (See Bennett, F., and Hallowell.)
Hallowell, Howard T., assignor to Standard Pressed Steel Co., Jenkintown, Pa. Truck and caster therefor. 1,832,770; Nov. 17.
Hallowell, Howard T., assignor to Standard Pressed Steel Co., Jenkintown, Pa. Sign frame clamp. 1,835,980; Dec. 8.
Hallowell, Howard T., and F. Bennett, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Portable desk. 1,812,694; June 30.
Hallowell, Howard T., and F. Bennett, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Portable work bench. 1,828,248; Oct. 20.
Hallowell, Howard T., and F. Bennett, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Attaching legs to platforms. 1,832,771; Nov. 17.
Hallowell, Howard T., and F. Bennett, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Platform. 1,832,772; Nov. 17.
Hallowell, Howard T., and F. Bennett, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Platform. 1,832,773; Nov. 17.
Hallowell, Howard T., and F. Bennett, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Platform. 1,832,774; Nov. 17.
Hallowell, Howard T., and F. Bennett, assignors to Standard Pressed Steel Co., Jenkintown, Pa. Portable sign frame. 1,832,775; Nov. 17.
Hallquist, Einar G. (See Freder, C. F., and Hallquist.)
Halls, Henry M., Los Angeles, Calif. Dehydrating press. 1,787,821; Jan. 6.
Halls Limited. (See Hall. Iphus H., assignor.)
Hallstead, Leon A., and H. Dawson, assignors, by mesne assignments, to H. D. Taylor Co., Buffalo, N. Y. Air pressure gauge. 1,805,869; May 19.
Hallstream, Henning, Brockton, assignor to Cross Paper Feeder Company, Boston, Mass. Paper feeding machine. 1,810,171; June 16.
Hallwood, Nathan A. (See Sundell, Gustaf A., assignor.)
Hallwood, Nathan A., Columbus, Ohio. Scale. 1,804,053; May 5.
Halmagyi, John. (See Langer, Nicholas, assignor.)
Halman, John L., Los Angeles, Calif. Electric griddle. Des. 84,033; Apr. 28.
Halperin, Herman, and K. W. Miller, Chicago, Ill. Sheath bonding and method. 1,809,591; June 9.
Halperin, Herman, and K. W. Miller, Chicago, Ill. Transformer. 1,812,949; July 7.
Halperin, Herman, and K. W. Miller, Chicago, Ill. Sheath bonding system. 1,823,140; Sept. 15.
Halpern, Max, New York, and W. Mayer, Brooklyn, N. Y. Necktie. 1,803,249; Apr. 28.
Halpin, Thomas S., Evansville, Ind. Vending machine. 1,798,416; Mar. 31.
Halse, Edwin, New York, N. Y. Culinary agitator. 1,825,450; Sept. 29.
Halsey, Edward S., Washington, D. C. Thermostatic valve for radiators and the like. 1,794,610; Mar. 3.
Halsey, Edward S., Washington, D. C. Thermostatic modulating steam-inlet valve of radiators. 1,794,611; Mar. 3.
Halsey, Edward S., Washington, D. C. Thermostatic control valve for steam radiators. 1,794,612; Mar. 3.
Halsey, Edward S., Washington, D. C. Steam heating system. 1,803,015; Apr. 28.
Halsey, Edward S., Miami Shores, Fla. Room temperature regulating air valve. 1,801,740; Apr. 21.
Halsey, Edward S., Miami Shores, Fla. Room temperature regulating air valve. 1,832,385; Nov. 17.
Halsey, Norman W., New York, N. Y., assignor, by mesne assignments, to Pittsburgh Cleanser Laboratory, Inc. Cleaning-material feeder. 1,791,203; Feb. 3.
Halstead, Charles G., Kansas City, Mo. Safety deposit box. 1,817,002; Aug. 4.
Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cutting filler tobacco for cigar bunches. 1,805,694; May 19.
Halstead, John F., Brookiyn, N. Y., assignor to International Cigar Machinery Company. Preparing cigar wrappers. 1,824,400; Sept. 22.
Halstead, Joseph L., Los Angeles, Calif., assignor, by mesne assignments, to American Concrete Pipe Company. Concrete pipe machine. 1,838,546; Dec. 29.
Halstead, Stanley M., A. I. Wickland, and W. C. Tustin, San Jose, Calif., assignors to Wayne Company, Fort Wayne, Ind. Elevator. 1,815,907; July 28.
Halstead, Stanley M., Anton I. Wickland, and Wayne C. Tustin, San Jose, Calif. Valve. 1,793,850; Feb. 24.
Halstead, William S., and C. E. Cleeton, Los Angeles, Calif. Jar opening device. 1,834,307; Dec. 1.
Haltenberger, Jules, Indianapolis, Ind., assignor, by mesne assignments, to Continental Motors Corporation, Detroit, Mich. Sleeve valve engine. 1,835,216; Dec. 8.
Halton, Thomas H., assignor to Thomas Halton's Sons, Philadelphia, Pa. Card stripper for jacquard mechanism. 1,788,291; Jan. 6.
Halton's, Thomas, Sons. (See Halton, Thomas H., assignor.)
Haltzer-Cabot Electric Company, The. (See Durbin, Vernon, assignor.)
Halversen, Sidney C., San Francisco, Calif. Front wheel drive mechanism for vehicles. 1,826,130; Oct. 6.
Halvorsen, Nils F. A., Detroit, Mich. Combined scribe, pocket compass, pencil clip and pencil. 1,801,626; Apr. 21.
Halvorsen, Olaf and S. F. Kiesling, Chicago, Ill. Spindle structure for type holders and the like. 1,793,397; Feb. 17.
Halvorsen, Olaf, and S. F. Kiesling, Chicago, Ill. Work-holding table and the like. 1,801,197; Apr. 14.
Halvorsen, Ole G., Chicago, Ill. Screw propeller. 1,806,345; May 19.
Halvorsen, Severin, Chicago, Ill., assignor to The Newspaper Stuffing Machine Company, Seattle, Wash. Feeding mechanism. 1,804,610; May 12.
Halvorsen, Severin, Chicago, Ill., assignor to The Newspaper Stuffing Machine Company, Seattle, Wash. Pneumatic feed mechanism. 1,804,611; May 12.
Halvorsen, Severin, Chicago, Ill., assignor to The Newspaper Stuffing Machine Company, Seattle, Wash. Pneumatic feed mechanism. 1,804,612; May 12.
Halverson, Arthur S., Fullerton, Nebr. Signaling device. 1,800,068; Apr. 7.
Halvorson, Cromwell A. B., Lynn, Mass., assignor to General Electric Company. Lighting unit. 1,805,485; May 19.
Halvorson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Light projector. 1,810,604; June 16.
Halvorson, Cromwell A. B., Lynn, Mass., assignor to General Electric Company. Electric lamp fixture. 1,813,738; July 7.
Halvorson, Cromwell A. B., Lynn, Mass., assignor to General Electric Company. Fixture for electric lamps. 1,813,799; July 7.
Halvorson, Cromwell A. B., Lynn, Mass., assignor to General Electric Company. Highway lighting fixture. 1,813,800; July 7.
Halvorson, Cromwell A. B., Lynn, Mass., assignor to General Electric Company. Adjustable socket. 1,834,776; Dec. 1.
Halvorson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Light projector. 1,836,845; Dec. 15.
Halvorson, Halvor S., Butternut Township, Blue Earth County, Minn. Chain fastener. 1,796,709; Mar. 17.
Ham, Edmund D., Pikeville, N. C. Rural-mail-box support. 1,792,372; Feb. 10.
Ham, Marion T. (See Ham, R. C. and M. T.)
Ham, R. C., & Company. (See Ham, R. C. and M. T., assignors.)
Ham, Robert C. and M. T., West Haven, assignors to R. C. Ham & Company, Incorporated, New Haven, Conn. Artificial flower. 1,831,559; Nov. 10.
Ham, Robert C. and M. T., West Haven, assignors to R. C. Ham & Company, Incorporated, New Haven, Conn. Artificial flower. 1,831,560; Nov. 10.
Hamacher, Wilhelm, Berlin-Wilmersdorf, Germany. Garter construction. 1,828,041; Oct. 20.
Haman, John D., Wilmington, Del. Tool for extracting and replacing bushings. 1,833,420; Nov. 24.
Hamaker, Rex G., assignor to Reed Roller Bit Company, Houston, Tex. Core catcher. 1,797,550; Mar. 24.
Hamann, Christel, Neu-Babelsberg near Berlin, assignor to Deutsche Telephonwerke und Kabel-Industrie Aktiengesellschaft, Berlin, Germany. Computing machine. 1,788,192; Jan. 6.
Hamann, Evart W. (See Gust, F., and Hamann.)
Hamant, Edward W., and G. von Webern, Dayton, Ohio, assignor to Oxford Varnish Corporation, Detroit, Mich. Graining machine. 1,836,241; Dec. 15.
Hamberger, Frank X., Buffalo, N. Y. Furnace burner. 1,801,426; Apr. 21.

Hamberger, John, Richmond Hill, N. Y. Electric lamp. 1,793,398; Feb. 17.
Hamblen, Jennings, B., et al., trustees. (See Hamblen, Jennings B., assignor.)
Hamblen, Jennings B., Whiting, Ind., assignor to H. V. Atwell, V. Vorrhees, and J. B. Hamblen, trustees, operating under the name of General Engineering Trust. Mop-shaking device. 1,818,948; Aug. 11.
Hamblen, Raymond C., Glassboro, N. J. Outlet-box clamp. 1,791,311; Feb. 3.
Hambleton, Maurice W., Goffstown, and B. F. Morrill, Nashua, N. H., said Morrill assignor to said Hambleton. Machine for placing rings on bobbins. 1,793,285; Feb. 17.
Hamblin, Fred B. and G. B., Cleveland, Ohio. Attachment for scales. 1,800,017; Apr. 7.
Hamblin, George B. (See Hamblin, Fred B. and G. B.)
Hamburg, Max. (See Jalowetz, E. and Hamburg.)
Hamburg, Otto W., San Diego, Calif. Collapsible chair. 1,788,832; Jan. 13.
Hamburger, Adolph, et al. (See Barnett, Louis, assignor.)
Hamburger, Rudolf, New York, N. Y. Device for assisting in the launching and landing of aeroplanes. 1,815,200; July 21.
Hamby, Arthur W. (See Lee, A. W., and Hamby.)
Hamel, Hermann, Dresden-Blasewitz, Germany. Spinning machine for artificial silk. 1,806,851; May 26.
Hamel, L. H., Leather Company. (See Hamel, Louis H., assignor.)
Hamel, Louis H., assignor to L. H. Hamel Leather Company, Haverhill, Mass. Machine for stretching and drying skins. 1,830,359; Nov. 3.
Hamel, Otto W., Chicago, Ill. Knife. 1,814,596; July 14.
Hamel, René M. (See Trinquet, L., and Hamel.)
Hamer, Charles G. (See Cronenweth, E. E., and Hamer.)
Hamer, Kenneth C., and C. W. Rodgers, Hooversville, Pa. Device for use with film reels to prevent binding of the film upon the reel flanges. 1,792,690; Feb. 17.
Hamer, Leland S., Long Beach, assignor of one-half to K. A. Wright, Los Angeles, and one-half to E. Koppl, Long Beach, Calif. Well tool. 1,805,087; May 12.
Hamer, Leland S., Long Beach, assignor to J. Grant, Los Angeles, Calif. Well reaming tool. 1,813,160; July 7.
Hamer, Leland S., assignor to Hamer Oil Tool Company, Limited, Long Beach, Calif. Packer for pump liners. 1,832,115; Nov. 17.
Hamer Oil Tool Company. (See Hamer, Leland S., assignor.)
Hamer, Richard, Pittsburgh, Pa. Gravity-determining device. 1,796,150; Mar. 10.
Hamill, James, East Orange, N. J.; J. F. Taddiken, Forest Hills, N. Y.; and G. W. Connon, Montclair, N. J. Apparatus for concentrating solutions. 1,795,601; Mar. 10.
Hamilton, Albert E. (See Crago, C. H., and Hamilton.)
Hamilton, Alexander C., assignor, by mesne assignments, to Relay Motor Products Corporation, Bridgeport, Conn. Motor vehicle. 1,799,461; Apr. 7.
Hamilton, Alexander C., Detroit, Mich., assignor, by mesne assignments, to Relay Motor Products Corporation, Bridgeport, Conn. Motor vehicle construction. 1,804,687; May 12.
Hamilton Autographic Register Co., The. (See Roosevelt, Marcus S., assignor.)
Hamilton Beach Manufacturing Company. (See Flegel, Harrison D., assignor.)
Hamilton Beach Manufacturing Company. (See Nielsen, Emanuel, assignor.)
Hamilton Beach Manufacturing Company. (See Robinson, Patrick H., assignor.)
Hamilton, Charles W. (See Leitch, D. C., and Hamilton.)
Hamilton, Delbert L. (See Schulzke, R. F., and Hamilton.)
Hamilton, Edward P., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Press board. 1,790,916; Feb. 3.
Hamilton, Edward P., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Drawer pull. 1,822,213; Sept. 8.
Hamilton, Erwin H., Hastings, N. Y. Throttling steam-calorimeter construction. 1,789,705; Jan. 20.
Hamilton, Erwin H., Riverdale, N. Y. Cooling fin for internal combustion engines. 1,821,434; Sept. 1.
Hamilton, Francis F., assignor to Hamilton Muffler Company, Indianapolis, Ind. Exhaust gas silencer. 1,821,013; Sept. 1.
Hamilton, Francis F., and H. E. Van Voorhees, Indianapolis, Ind. Exhaust gas muffler. 1,815,005; July 14.
Hamilton, Franklin H. (See Spencer, Charles H., assignor.)
Hamilton, George H., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Chair. Des. 84,143; May 12.
Hamilton, George H., assignor to American Seating Company, Grand Rapids, Mich. Chair back. 1,795,119; Mar. 3.
Hamilton, George H., assignor to American Seating Company, Grand Rapids, Mich. Bracket. 1,806,534; May 19.
Hamilton, George H., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Support for books and the like. 1,836,466; Dec. 15.
Hamilton, George H., and E. W. Chapman, assignor to American Seating Company, Grand Rapids, Mich. Aisle light. 1,820,797; Aug. 25.
Hamilton-Grapes, George, Murrumbeena, Victoria, Australia. Carburation of hydrocarbon fuel for internal-combustion engines. 1,795,855; Mar. 10.
Hamilton-Grapes, George, Murrumbeena, Victoria, Australia. Separator and vaporizer for internal-combustion engines. 1,798,200; Mar. 31.
Hamilton-Grapes, George, Murrumbeena, Victoria, Australia. Separator and vaporizer for internal combustion engines. 1,830,360; Nov. 3.
Hamilton, Harry A., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Display stand. Des. 85,691; Dec. 8.
Hamilton, Harry A., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Display stand. Des. 85,692; Dec. 8.
Hamilton, Homer J., and A. E. Stone, South Bend, Ind. Book end. Des. 84,582; July 7.
Hamilton, James, and J. Hynd, Johannesburg, Transvaal, South Africa. Tap, cock, and the like. 1,831,414; Nov. 10.
Hamilton, John R., Yonkers, N. Y. Foam-producing fire-extinguishing apparatus. 1,790,621; Jan. 27.
Hamilton, John R., Cleveland Heights, assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Sprinkler system. 1,815,355; July 21.
Hamilton, John R., Cleveland Heights, assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Alarm for sprinkler system. 1,822,654; Sept. 8.
Hamilton, John R., Cleveland Heights, assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Pressure supply system for pipes. 1,831,954; Nov. 17.
Hamilton, John R., assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Valve. 1,822,655; Sept. 8.
Hamilton, John R., assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Fire protection apparatus. 1,826,072; Oct. 6.
Hamilton, John R., assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Sprinkler head. 1,837,322; Dec. 22.
Hamilton, Karl M., Chicago, Ill., assignor to The Bettendorf Company, Bettendorf, Iowa. Railway-car truck. 1,793,694; Feb. 24.
Hamilton, Karl M., Chicago, Ill., assignor to The Bettendorf Company, Bettendorf, Iowa. Car truck. 1,794,173; Feb. 24.
Hamilton, Karl M., Chicago, Ill., assignor to The Bettendorf Company, Bettendorf, Iowa. Railway-car truck. 1,801,234; Apr. 14.
Hamilton, Karl M., Chicago, Ill., assignor to The Bettendorf Company, Bettendorf, Iowa. Car truck. 1,825,396; Sept. 29.
Hamilton, Karl M., Chicago, Ill., assignor to The Bettendorf Company, Bettendorf, Iowa. Car truck. 1,825,451; Sept. 29.
Hamilton, Karl M., Chicago, Ill., assignor to The Bettendorf Company, Bettendorf, Iowa. Car truck. 1,825,630; Sept. 29.
Hamilton, Karl M., Chicago, Ill., assignor to The Bettendorf Company, Bettendorf, Iowa. Door for cars. 1,826,244; Oct. 6.
Hamilton, Karl M., Chicago, Ill., assignor to The Bettendorf Company, Bettendorf, Iowa. Railway car floor door. 1,826,348; Oct. 6.
Hamilton, Karl M., Chicago, Ill., assignor to The Bettendorf Company, Bettendorf, Iowa. Car truck. 1,830,512; Nov. 3.
Hamilton Manufacturing Co. (See Geimer, Anthony P., assignor.)
Hamilton Manufacturing Company. (See Hamilton, Edward P., assignor.)
Hamilton Manufacturing Company. (See Wachtel, Elmer M., assignor.)
Hamilton, Mary, and G. J. Sutton, London, England. Plaiting device. 1,797,340; Mar. 24.
Hamilton Muffler Company. (See Hamilton, Francis F., assignor.)
Hamilton, Perry H., Baltimore, Md., assignor to Maintenance Equipment Company, Chicago, Ill. Wheel flange oiler. 1,810,764; June 16.
Hamilton, Reginald H., St. Albans, New Zealand. Self adjusting tappet. 1,817,620; Aug. 4.
Hamilton, Robert, and H. V. Croon, Chicago, Ill. Carburetor. 1,795,602; Mar. 10.
Hamilton, Roy E., Kansas City, Kans., assignor, by mesne assignments, to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 1,812,435; June 30.
Hamilton, Royal E., Kansas City, Kans., assignor to W. H. Keenan, Chicago, Ill. Dough conditioning machine. 1,833,992; Dec. 1.
Hamilton Standard Propeller Corporation, The. (See Caldwell, Frank W., assignor.)
Hamilton Standard Propeller Corporation, The. (See Hamilton, Thomas F., assignor.)
Hamilton Standard Propeller Corporation, The. (See McCauley, Ernest G., assignor.)
Hamilton Standard Propeller Corporation, The. (See Nelson, Arvid, assignor.)
Hamilton, Thomas F., Milwaukee, Wis., assignor to The Hamilton Standard Propeller Corporation, West Homestead, Pa. Adjustable engine for aircraft. 1,806,680; May 26.

Hamilton, Thomas F., Milwaukee, Wis., assignor to The Hamilton Standard Propeller Corporation, West Homestead, Pa. Propeller for aircraft. 1,817,556; Aug. 4.
Hamilton, Thomas M., assignor of one-half to F. A. Westerhold, Anaheim, Calif. Direction indicator for automobiles. 1,788,518; Jan. 13.
Hamilton, Tom M., jr., assignor to Lane Vegetable Spray Company, Dallas, Tex. Spray stand. 1,821,303; Sept. 1.
Hamilton-Wade Company. (See Howard, Albert L., assignor.)
Hamilton, William L., Bangor, Mich. Sprayer. 1,829,043; Oct. 27.
Hamilton, William R. (See Coleman, R. B., and Hamilton.)
Hamin, Samuel A., assignor to Fray Jewelry Company, Providence, R. I. Means and method for mounting stones and the like. 1,818,324; Aug. 11.
Hamlett, Edgar P., Cardiff, Wales. Wedge device suitable for use with ship's hatch covers and for other purposes. 1,798,084; Mar. 24.
Hamlin, Addie S. (See Hamlin, Alfred J., assignor.)
Hamlin, Alfred J., Venice, assignor to A. S. Hamlin, Los Angeles, Calif. Carburetor. 1,788,914; Jan. 13.
Hamlin Bank & Trust Company, et al., executors. (See Backus, John C., assignor.)
Hamlin, Benjamin M. (See Wheary, G. H., and Hamlin.)
Hamlin, Benjamin M., assignor to Wheary Trunk Company, Racine, Wis. Hand luggage. 1,815,908; July 28.
Hamlin, Clyde M., and E. J. Kaiser, Washington, D. C. Valve. 1,788,765; Jan 13
Hamlin, Elmer A., Seattle, Wash. Surgical apparatus. 1,821,435; Sept. 1.
Hamlyn, Sidney W., London, England. Electric lamp shade and/or fitting. 1,806,852; May 26.
Hamm, John E., Brooklyn, N. Y. Wall ornamentation. 1,802,467; Apr. 28.
Hamm, William S., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash guide. 1,811,048; June 23.
Hammalian, Jacob M., et al. (See Fanarjian, John, assignor.)
Hammalian, Paul M., et al. (See Fanarjian, John, assignor.)
Hammann, Frederick B., assignor to W. W. Varney, Baltimore, Md. Wind musical instrument pad. 1,816,578; July 28.
Hammarstrand, Anders T., Djursholm, and N. M. Lagerkrans, Enskede, Stockholm, Sweden. Coin controlled savings clock. 1,816,649; July 28.
Hammel, Ester S. (See Hammel, Walter F., assignor.)
Hammel, Victor F., New York, N. Y. Cylindrical structure. 1,793,928; Feb. 24.
Hammel, Walter F., assignor to E. S. Hammel, Chicago, Ill. Envelope. 1,837,818; Dec. 22.
Hammen, Thomas W. (See Emery, F. R., and Hammen.)
Hammer, Arthur, Berlin, Germany. Ironing machine. 1,812,263; June 30.
Hammer-Bray Company. (See Gercich, Frederick A., assignor.)
Hammer-Bray Company. (See Gercich, F. A., and Berry, assignors.)
Hammer-Bray Company. (See Hammer, G., Gercich, and Smith, assignors.)
Hammer-Bray Company. (See Gercich, F. A., and Weisman, assignors.)
Hammer, Charles, Hollis Court Boulevard, assignor, by mesne assignments, to Anchor Cap & Closure Corporation, Long Island City, N. Y. Rotary cap having sealing material flowed thereinto. 1,805,623; May 19.
Hammer, E. M., et al. (See Dempsey, Edward C., assignor.)
Hammer, Ernest W. (See Strode, V. W., and Hammer.)
Hammer, Ferdinand M., Buffalo, N. Y. Milk bottle cap. 1,821,467; Sept. 1.
Hammer, Franz J., (See Fleischer, P. W., Feybusch, Hammer, and Dans.)
Hammer, Fritz, Hessen-Nassau, assignor to the Firm B. Braun, Melsungen, (Hessen-Nassau,) Germany. Preparing compressed iodine in the form of rods, pencils, or the like. 1,812,238; June 30.
Hammer, George, F. A. Gercich, and W. S. Smith, assignors to Hammer-Bray Company, Oakland, Calif. Air feed and vent device for closed top gas stoves. 1,806,056; May 19.
Hammer, Gustaf, Chicago, Ill., assignor to International Harvester Company. Grain binder. 1,832,019.; Nov. 17.
Hammer, Harold E., Dallas, Tex. Hydraulic mold and press. 1,832,020; Nov. 17.
Hammer, Samuel, assignor to United Metal Box Co. Inc., Brooklyn, N. Y. Mirror and framing the same. 1,812,403; June 30.
Hammer, Samuel, assignor to United Metal Box Co. Inc., Brooklyn, N. Y. Cabinet. 1,812,404; June 30.
Hammer, Samuel, assignor to United Metal Box Co. Inc., Brooklyn, N. Y. Mirror attaching means. 1,835,042; Dec. 8.
Hammer, Samuel, assignor to United Metal Box Co. Inc., Brooklyn, N. Y. Cabinet door mounting. 1,836,917; Dec. 15.
Hammer, Samuel, assignor to United Metal Box Co. Inc., Brooklyn, N. Y. Doorcheck. 1,836,918; Dec. 15.
Hammer, Samuel, assignor to United Metal Box Co. Inc., Brooklyn, N. Y. Construction of doors. 1,838,178; Dec. 29.
Hammer, Theodore J., Norwood, Pa. Locomotive pilot. 1,837,960; Dec. 22.
Hammer, Thorvald F., Branford, Conn. Saddle rack. Des. 85,332; Oct. 13.
Hammerl, Jacob, assignor to Packard Motor Car Company, Detroit, Mich. Striker. 1,794,073; Feb. 24.
Hammerle, Josef, New York, N. Y. Parachute. 1,826,245; Oct. 6.
Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Knife switch. 1,799,625; Apr. 7.
Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,807,526; May 26.
Hammerly, Herman J., Wallingford, Conn., assignor to Trumbull Electric Manufacturing Company, Plainville, Conn. Disappearing blade switch. 1,824,137; Sept. 22
Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Inclosed switch. 1,835,981; Dec. 8.
Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Inclosed switch. 1,835,982; Dec. 8.
Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric safety switch. 1,835,983; Dec. 8.
Hammerly, Herman J., Wallingford, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Inclosed switch. 1,838,020; Dec. 22.
Hammermill Paper Company. (See Bessmer, William A., assignor.)
Hammermill Paper Company. (See Johnsen, Bjarne, assignor.)
Hammerquist, Oscar W. (See Kristofek, F. J., and Hammerquist.)
Hammerquist, Oscar W., assignor to Brown & Bigelow, St. Paul, Minn. Gripper rest and clamping bar. 1,790,917; Feb. 3.
Hammers, Morgan J., Wilmette, Ill. Restricting atomized fluid discharge. 1,828,463; Oct. 20.
Hammers, William J., Grand Rapids, Mich. Electric water heater. Re18,160; Aug. 25.
Hammerstrom, Henry H., assignor of one-half to H. M. Middagh, Los Angeles, Calif. Rotary motor. 1,817,370; Aug. 4.
Hammerstrom, Karl R. (See Vold, L. H., and Hammerstrom.)
Hammerstrom, Karl R., Hammond, Ind., and L. H. Vold, Butler, Pa. Pinch riveter. 1,805,282; May 12.
Hammerstrom, Karl R., Butler, Pa. Manufacturing hollow articles. 1,805,283; May 12.
Hammett, James Q., assignor of 40 per cent to L. F. Cowsert and twenty per cent to W. M. Keen, Junction, Tex. Aerofoil. 1,789,000; Jan. 13.
Hammon, George L., assignor to National Welding Equipment Co., Ltd., San Francisco, Calif. Mixer for welding torches. 1,818,949; Aug. 11.
Hammon, George L., assignor to National Welding Equipment Company, Incorporated, San Francisco, Calif. Cutting tip for gas torches. 1,830,432; Nov. 3.
Hammon, George L., assignor to National Welding Equipment Company Incorporated, San Francisco, Calif. Heating torch. 1,835,215; Dec. 8.
Hammond, Anning S., Los Angeles, assignor to Western Waxed Paper Company, Oakland, Calif. Wax paper. 1,824,885; Sept. 29.
Hammond, Bradley B. Yonkers N. Y. Camera plate holder. 1,823,321; Sept. 15.
Hammond Clock Company, The. (See Budlong, Robert D., assignor.)
Hammond Clock Company, The. (See Hammond, Laurens, assignor.)
Hammond Clock Company. (See Michl, Robert, assignor.)
Hammond Clock Company, The. (See Stephens, George H., assignor.)
Hammond Clock Company, The. (See Stephens, G. H., and Budlong, assignors.)
Hammond Clock Company, The. (See Worthington, Everett, assignor.)
Hammond, Elmer H., Laconia, N. H., assignor to Persons-Majestic Manufacturing Company, Worcester, Mass. Fender curtain for automobiles. 1,796,600; Mar. 17.
Hammond, Frank, Park Royal, England. Cleaning liquid storage tanks and the like. 1,806,681; May 26.
Hammond, Frederick W., Chepstow, England. Coating metallic articles, particularly the interiors of water mains (in situ). 1,805,215; May 12.
Hammond, Gordon, Ashland, Va. Holder for flower containers. 1,828,249; Oct. 20.
Hammond, Harry, Balham, assignor to S. Marcell and L. H. Marcell trading as Watric Company, London, England. Hair-curling device. 1,792,981; Feb. 17.
Hammond, John H., jr. (See Purington, Ellison S., assignor.)
Hammond, John H., jr. (See Trenor, Albert D., assignor.)
Hammond, John H., jr., Gloucester, Mass. Piano with tone modulators. 1,794,375; Mar. 3.
Hammond, John H., jr., Gloucester, Mass. Tone modulator for musical instruments. 1,795,649; Mar. 10.
Hammond, John H., jr., Gloucester, Mass. Paravane torpedo. 1,806,346; May 19.
Hammond, John H., jr., Gloucester, Mass. Organ control. 1,814,472; July 14.

Hammond, John H., jr., Gloucester, Mass. Radio communication system. 1,816,579; July 28.
Hammond, John H., jr., Gloucester, Mass. Radio dynamic control of gliding bodies. 1,818,708; Aug. 11.
Hammond, John H., jr., Gloucester, Mass. Piano with tone modulators. 1,818,709; Aug. 11.
Hammond, John H., jr., Gloucester, Mass. Sostenuto control. 1,822,214; Sept. 8.
Hammond, John H., jr., Gloucester, Mass. Piano with floating bridge. 1,826,778; Oct. 13.
Hammond, John H., jr., Gloucester, Mass. System and apparatus for secret radio communication. 1,838,762; Dec. 29.
Hammond, Joseph D. (See Scofield, T. J., White, and Hammond.)
Hammond, Laurens, Evanston, assignor, by mesne assignments, to The Hammond Clock Company, Chicago, Ill. Alternating-current clock. 1,796,649; Mar. 17.
Hammond, Laurens, Evanston, Ill., assignor, by mesne assignments, to The Hammond Clock Company, Chicago, Ill. Alternating-current clock. 1,797,912; Mar. 24.
Hammond, Milton B., Grand Rapids, assignor to Wolverine Bumper & Specialty Company, Grand Rapids, Mich. Bumper for automobiles. 1,801,345; Apr. 21.
Hammond, Thomas S. (See Sklar, Samuel B., assignor.)
Hammond, Wilbur A., Los Angeles, Calif. Airplane. 1,836,592; Dec. 15.
Hammons, Byron D., et al. (See Carol, James E., assignor.)
Hampden Automotive Products, Inc. (See Schaffer, Max, assignor.)
Hampel, Heinrich, Berlin-Charlottenburg, Germany. Apparatus for drying films. 1,787,520; Jan. 6.
Hampshire, Edmund. (See Fox, E. N., and Hampshire.)
Hampson, Edward A., Chicago, and D. G. Smellie, Maywood, Ill., assignors to The Hoover Company. Refrigerator construction. 1,837,265; Dec. 22.
Hampton, George E. (See Bradford, D. F., and Hampton.)
Hampton, John C., Ardmore, and E. D. Shell, Healdton, Okla. Apparatus for testing oil sands. 1,828,838; Oct. 27.
Hampton, Leon N., New York, N. Y. Boat. 1,834,397; Dec. 1.
Hampton, Robert F., Tacoma, Wash. Combined fishhook and bait clamp. 1,791,723; Feb. 10.
Hampton, Weldon O., and E. J. Thompson, assignors to The Delta Star Electric Co., Chicago, Ill. Switch. 1,793,797; Feb. 24.
Hampton, Wilfred M. (See Gould, C. E., Hampton, and Martin.)
Hamren, Eric O., assignor to Leach Company, Oshkosh, Wis. Mortar mixer. 1,799,228; Apr. 7.
Hamren, Eric O., assignor to Leach Company, Oshkosh, Wis. Pike pole guard. 1,808,891; June 9.
Hamren, Eric O., assignor to Leach Company, Oshkosh, Wis. Pike pole guard. 1,808,892; June 9.
Hamwi, Ernest, St. Louis, Mo. Edible pastry cup. Des. 83,609; Mar. 10.
Hamwi, Ernest, St. Louis, Mo. Edible cup. Des. 85,822; Dec. 22.
Hamwi, Ernest, St. Louis, Mo. Machine for forming pastry cups. 1,809,848; June 16.
Hanahan, Marion L., Newark, N. J., assignor, by mesne assignments, to Krebs Pigment & Color Corporation, Wilmington, Del. Lithophone and making same. 1,826,131; Oct. 6.
Hanahan, Marion L., Newark, N. J., assignor, by mesne assignments, to Kerebs Pigment & Color Corporation, Wilmington, Del. Lithopone pigment suitable for flat wall paints and enamels. 1,826,132; Oct. 6.
Hanak, Albert, Philadelphia, Pa. Separating tin from alloys. 1,832,386; Nov. 17.
Hanak, Albert, Philadelphia, Pa. Purification of metals and alloys. 1,837,432; Dec. 22.
Hanak, Edward, Houston, Tex. Motor conveyor trackway. 1,805,175; May 12.
Hanauer, Albert M., et al. (See Berry, Charles R., assignor.)
Hanauer, Darwin, La Grange, Ill., assignor to Rome Company, Inc. Interlocked crossed helical spring. 1,788,867; Jan. 13.
Hanauer, Darwin, La Grange, Ill., assignor to Rome Company, Inc. Helical springs crossed and interlocked. 1,788,868; Jan. 13.
Hancock, Alice B. (See Hancock, Harry H., assignor.)
Hancock, Harry H., deceased, by H. A. Sawyer, administrator; N. A. Sawyer, executrix of said H. A. Sawyer, deceased, assignor to A. B. Hancock, Lynn, Mass. Printing press attachment. 1,831,660; Nov. 10.
Hancock, Leslie J., Sutton, England. Oxygen cutting burner apparatus. 1,830,539; Nov. 3.
Hancock Manufacturing Co. (See Marple, Rollo, assignor.)
Hancock, William L., assignor to The Murray Company, Dallas, Tex. Cotton cleaner. 1,799,556; Apr. 7.
Hancock, William L., assignor to The Murray Company, Dallas, Tex. Circular saw tooth gauge. 1,833,251; Nov. 24.
Hancock, William T., Long Beach, Calif. Cracking still. 1,814,249; July 14.
Hancock, William W., Los Angeles, assignor of fifty-one one hundredths to E. Westberg, Glendale, Calif. Windshield wiper. 1,834,615; Dec. 1.
Hand, Erle H., New York, N. Y. Direction indicator and control for radioantennæ. 1,796,988; Mar. 17.
Hand, Erle H., New York, N. Y. Portable radio antenna. 1,801,041; Apr. 14.
Hand, Erle H., New York, N. Y. Magnetic control for antennæ. 1,801,042; Apr. 14.
Hand, Frederick E., Canton, Ill., assignor to International Harvester Company. Detent mechanism for disk cultivators. 1,832,021; Nov. 17.
Hand, Jesse H., Detroit, Mich. Clutch mechanism. 1,803,430; May 5.
Hand, Leslie T., and J. Wight, Brooklyn, N. Y., said Wight assignor to said Hand. Mat. 1,796,783; Mar. 17.
Hand, Michael J., New York, N. Y. Dancing figure. 1,787,745; Jan. 6.
Handel, Charles E., Winterset, Iowa. Anchor for veneered concrete structures. 1,794,684; Mar. 3.
Handel, Fred B., Youngstown, Ohio. Display stand. 1,797,956; Mar. 24.
Handelan, Daniel, Minneapolis, Minn. Humidifier. 1,822,656; Sept. 8.
Handelan, Daniel, Minneapolis, Minn. Air conditioning apparatus. 1,838,255; Dec. 29.
Handforth, Stanley L., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Gauze or screen catalyst holder or support. 1,814,597; July 14.
Handke, Max. (See Dorn, W., and Handke.)
Handlan-Buck Manufacturing Company. (See Evans, Roland D., assignor.)
Handlan-Buck Manufacturing Company. (See Kuehner, Louis C., assignor.)
Handler, Eugene, Montclair, N. J. Formation of storage-battery electrodes and connections. 1,797,684; Mar. 24.
Handler, Oscar, New York, N. Y. Tent. 1,828,656; Oct. 20.
Handley, Arthur H. (See Neale, E. W., and Handley.)
Handley, Ernest T., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Method preventing water bag deterioration. 1,830,465; Nov. 3.
Handley, George F. (See Myers, L. C., and Handley.)
Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,787,679; Jan. 6.
Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,792,012; Feb. 10.
Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,799,746; Apr. 7.
Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,815,506; July 21.
Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,820,066; Aug. 25.
Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,839,150; Dec. 29.
Handley, Joseph M., Orrick, Mo. Propelling mechanism. 1,800,524; Apr. 14.
Handley Page Limited. (See Page, Frederick H., assignor.)
Handley Page Limited. (See Wood, Ronald M., assignor.)
Hands, Henry J., assignor to Spicers Limited, London, England. Manufacture of sheets or films. 1,811,689; June 23.
Handschiegl, Bessie. (See Handschiegl, Max, assignor.)
Handschiegl, Max, Hollywood, assignor to B. Hendschiegl, Los Angeles, Calif. Method and apparatus for trick motion picture film production. 1,802,944; Apr. 28.
Handwerk, Erwin C. (See Mahler, G. T., Handwerk, and Bunce.)
Handwerker, Louis W., assignor to General Motors Research Corporation. Detroit, Mich. Hydraulic valve mechanism. 1,792,836; Feb. 17.
Handy Cleaner Corporation. (See Bull, Arthur A., assignor.)
Handy Cleaner Corporation. (See Bull, A. A., and Larsen, assignors.)
Handy, George A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Breaker strip. 1,818,950; Aug. 11.
Handy Governor Corporation. (See Bull, Arthur A., assignor.)
Handy & Harman. (See Leach, Robert H., assignor.)
Handy-Haul Auto Trunk Company. (See Nelson, O. S., and Willy, assignors.)
Handy Table Set Company. (See Soltesz, Nick, assignor.)
Handy Things Manufacturing Company. (See Pleiss, Walter H., assignor.)
Hanekop, Georg, Hanover, Germany. Grinding graphite. 1,814,215; July 14.
Hänel, Curt, Berlin, Germany. Apparatus for printing and registering fare tickets and the like. 1,815,253; July 21.
Hänel, Paul, assignor to the Firm J. M. Lehmann, Dresden-A., Germany. Pot press. 1,818,990; Aug. 18.
Hanelt, William, Chicago, Ill. Stirring and bottle washing device. 1,837,904; Dec. 22.
Hanen, Maxwell M., Nallpee, Wash. Poultry fountain. 1,791,410; Feb. 3.
Hanes, James C., Berkeley, Calif. Ball removing device for golf cups. 1,838,223; Dec. 29.
Haner, Carl, Moyland, assignor to Publicker, Inc., Philadelphia, Pa. Manufacturing esters. 1,827,653; Oct. 13.

Hanff, Ferdinand, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt near Berlin, Germany. Manufacture of electric cables. 1,800,347; Apr. 14.
Hanff, Ferdinand, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Lead covered submarine cable. 1,814,384; July 14.
Hangerette Folding Box, Ltd. (See Appelbaum, Isaac, assignor.)
Hangerud, Earl J., Portland, Oreg. Automatic card distributing device. 1,824,542; Sept. 22.
Hanhart, Charles G., assignor to Färberei Weidmann Akt.-Ges., Thalwil, near Zurich, Switzerland. Apparatus relating to bleaching, washing, or dyeing of woven fabrics. 1,794,403; Mar. 3.
Hanhart, Walter. (See Straub, F., Mayer, and Hanhart.)
Hänig, Volkmar W. (See Rowton, H. S., and Hänig.)
Hanig, William J., Ackley, Iowa. Traction wheel. 1,803,702; May 5.
Haniman, Charles J., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Chain grate stoker. 1,832,459; Nov. 17.
Hanitz, Hans T. R. (See Lyon, A. H., and Hanitz.)
Hanke, Paul, Bound Brook, N. J. Device for relieving headaches. 1,823,686; Sept. 15.
Hankey, John L., Sale, Manchester, England. Treating textile material with chromium. 1,807,208; May 26.
Hankins, Cyrus, Baltimore, Md., assignor to The Symington Company, New York, N. Y. Casting and pattern therefor. 1,803,551; May 5.
Hankins, Cyrus, Washington, D. C., and G. B. Christian, Chevy Chase, Md., assignors to Wine Railway Appliance Company, Toledo, Ohio. Railway car. 1,820,136; Aug. 25.
Hankins, Oscar R., assignor to The Larimer Company, Aurora, Ill. Window sash and screen. 1,803,527; May 5.
Hankinson, Lewis E. (See Sprague, Ben C., assignor.)
Hanks, Austin K., Greensboro, N. C., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Slide shifting device. 1,821,341; Sept. 1.
Hanks, Austin K., Forest Hills, Long Island, assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Picture projecting apparatus. 1,831,766; Nov. 10.
Hanley, Herbert R. (See Davis, S. H., Anderson, Smith, and Hanley.)
Hanley, Herbert R. (See Davis, S. H., Anderson, Stengl, Smith, and Hanley.)
Hanley, John, Detroit, Mich. Mixing device. 1,821,468; Sept. 1.
Hanley, John A., Irvington, N. J., assignor, by mesne assignments, to Schick Dry Shaver, Inc., Stamford, Conn. Electric motor. 1,828,895; Oct. 27.
Hanley, John A., Irvington, N. J., and W. L. Pinner, Detroit, Mich., assignors, by mesne assignments, to General Spring Bumper Corporation. Chromium plating. 1,787,477; Jan. 6.
Hanley, William, East Orange, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Card-table tray. 1,789,815; Jan. 20.
Hanley, William, East Orange, N. J., assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Screen. 1,790,374; Jan. 27.
Hanley, William, East Orange, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Lap table. 1,827,518; Oct. 13.
Hanley, William, Mountain Home, Idaho. Sack holder. 1,820,135; Aug. 25.
Hanley, William L., jr., Bradford, Pa. Tunnel kiln. 1,838,672; Dec. 29.
Hanlon, John H., Somerville, and J. W. Hanlon, Milton, assignors to Hanlon Locomotive Sander Company, Winchester, Mass. Track sander. 1,815,472; July 21.
Hanlon, John W. (See Hanlon, John H. and J. W.)
Hanlon Locomotive Sander Company. (See Hanlon, John H. and J. W., assignors.)
Hanlon-Waters, Inc. (See Waters, Millard F., assignor.)
Hanlon-Waters, Inc. (See Weston, Burton G., assignor.)
Hann, William E., Detroit, Mich. Radiator front. Des. 83,965; Apr. 21.
Hann, William E., Detroit, Mich. Radiator front. Des. 83,966; Apr. 21.
Hann, William E., assignor, by mesne assignments, to The Lubricating Equipment Company, Detroit, Mich. Lubricating means. 1,820,616; Aug. 25.
Hanna, Clinton R., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Loud-speaker. 1,788,103; Jan. 6.
Hanna, Clinton R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrodynamic microphone. 1,792,300; Feb. 10.
Hanna, Clinton R., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vibratory system. 1,828,284; Oct. 20.
Hanna, Ellsworth, J., Evanston, Ill. Awning mechanism or the like. 1,800,636; Apr. 14.
Hanna Engineering Works. (See Hanna, John C., assignor.)
Hanna Engineering Works. (See Norin, Adolf A., assignor.)
Hanna, Howard. (See Heckman, Homer H., assignor.)
Hanna, Howard M., et al. (See Wetherbee, Herbert E., assignor.)
Hanna, John C., assignor to Hanna Engineering Works, Chicago, Ill. Roller and ram lift riveter. 1,799,229; Apr. 7.
Hanna, John C., assignor to Hanna Engineering Works, Chicago, Ill. Geared roller wedge riveter. 1,816,677; July 28.
Hanna, John C., assignor to Hanna Engineering Works, Chicago, Ill. Rapid puncher and riveter. 1,833,216; Nov. 24.
Hanna, M. A., Company, The. (See Amsden, Jay M., assignor.)
Hanna, Richard W., Piedmont, assignor to Standard Oil Company of California, San Francisco, Calif. Process and apparatus for continuous treatment of hydrocarbon oil with a metallic halide. 1,801,627; Apr. 21.
Hanna, Richard W., Piedmont, assignor to Standard Oil Company of California, San Francisco, Calif. Treating hydrocarbon with metallic halides. 1,803,670; May 5.
Hanna, Richard W., Piedmont, assignor to Standard Oil Company of California, San Francisco, Calif. Treating hydrocarbon oils with metallic halides. 1,820,389; Aug. 25.
Hanna, Richard W., Piedmont, assignor to Standard Oil Company of California, San Francisco, Calif. Treating hydrocarbon oil with metallic halides. 1,820,390; Aug. 25.
Hanna, William T., Cincinnati, Ohio. Distributor plate. 1,832,022; Nov. 17.
Hanna, Wylie J., Bayside, N. Y. Maximum range radio loud speaker. 1,820,137; Aug. 25.
Hannah, Alexander, Paterson, N. J. Shuttle tension. 1,809,849; June 16.
Hannah, Alexander, Paterson, N. J., assignor to Draper Corporation, Hopedale, Mass. Shuttle. 1,836,965; Dec. 15.
Hannah, Alexander, Paterson, N. J., assignor to Draper Corporation, Hopedale, Mass. Automatically threading loom shuttle. 1,838,393; Dec. 29.
Hannauer Car Retarder Company, The. (See Frölich, Ernst, assignor.)
Hannay, Thomas L., Robbinsdale, Minn. Plaster trim form for openings in walls. 1,836,846; Dec. 15.
Hannay, William H., and F. E. Lee, Tadanac, British Columbia, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Canada. Electrodeposition of metal. 1,821,970; Sept. 8.
Hanneman, Walter M., Evansville, Ind., assignor to Union Special Machine Company, Chicago, Ill. Feed-off-the-arm sewing machine. 1,827,577; Oct. 13.
Hanney, Angus F., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Laundry-marking pin. 1,798,732; Mar. 31.
Hanney, Angus F., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Identifying mechanism. 1,836,165; Dec. 15.
Hannig, Max. (See Hartmann, O. H., and Hannig.)
Hannon, Matthew S., assignor to Hannon Tire and Rubber Company Limited, Toronto, Ontario, Canada. Air tube and the like and reenforcing same. 1,818,710; Aug. 11.
Hannon Tire and Rubber Company Limited. (See Hannon, Matthew S., assignor.)
Hannoversche Maschinenbau-Actien-Gesellschaft, vormals Georg Egestorff. (See Barske, Ulrich, assignor.)
Hannoversche Maschinenbau-Actien-Gesellschaft vormals Georg Egestorff (Hanomag). (See Barske, Ulrich, assignor.)
Hanny, Charles E., Unionville, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,791,465; Feb. 3.
Hanny, Charles E., Unionville, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Panel board cabinet clamp. 1,807,527; May 26.
Hanny, John E., Oregon City, Oreg., assignor to Crown Willamette Paper Company, San Francisco, Calif. Storing paper pulp coming from the wet machine. 1,800,215; Apr. 14.
Hanovia Chemical and Manufacturing Company. (See Anderson, W. T., jr., and Bird, assignors.)
Hanovia Chemical and Manufacturing Company. (See Bird, Lester F., assignor.)
Hanratty, Albert, Collinsville, Ill. Graining comb or brush. 1,818,326; Aug. 11.
Hans, Edmund E., Detroit, Mich. Fuel heater. 1,790,469; Jan. 27.
Hans, Edmund E., Detroit, Mich. Lubricating system. 1,818,392; Aug. 11.
Hans, Edmund E., Detroit, assignor to A C Spark Plug Company, Flint, Mich. Duplex pressure gauge. 1,826,397; Oct. 6.
Hansard, Orren H., and D. D. McGuire, Nashville, Tenn. Concrete testing apparatus. 1,825,954; Oct. 6.
Hansburg, George B., New York, N. Y. Folding bathtub and dressing table. 1,802,147; Apr. 21.
Hanscom, Geoffrey L. (See Bunker, W. S., and Hanscom.)
Hansel, Carl W., Bedford, England. Construction of philosophical apparatus and models. 1,838,394; Dec. 29.
Hänsel, Curt, Forst, Germany. Stiffening fabric for wearing apparel. 1,810,076; June 16.
Hansell, Clarence W., Rocky Point, N. Y. Combining energies. 1,838,763; Dec. 29.

Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Oscillation generation. 1,787,979; Jan. 6.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Combining and eliminating frequencies. 1,789,364; Jan. 20.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Interlocking switching arrangement. 1,800,525; Apr. 14.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Signaling. 1,803,504; May 5.
Hansell, Clarence W., Rocky Point, L. I., N. Y., assignor to Radio Corporation of America. Antenna. 1,806,755; May 26.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Keying. 1,808,220; June 2.
Hansell, Clarence W., Rocky Point, Long Island, N. Y., assignor to Radio Corporation of America. Receiver. 1,810,475; June 16.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Communication by frequency variation. 1,819,508; Aug. 18.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Frequency modulation. 1,830,166; Nov. 3.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna. 1,836,069; Dec. 15.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Prevention of parasitics in electron emission tube circuits. 1,804,830; May 12.
Hansell, Clarence W., Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America. Detection of frequency modulated signals. 1,813,922; July 14.
Hanselmann, Charles F., New York, N. Y. Sound-producing device. 1,796,989; Mar. 17.
Hansen, A. L., Mfg. Co. (See Hansen, Augie L., assignor.)
Hansen, Adolf S., Malmo, Sweden. Pulsator. 1,814,918; July 14.
Hansen, Alf H., Allenhurst, N. J. Safety attachment for ladders. 1,800,792; Apr. 14.
Hansen, Arnold H. (See Pratt, S. F., and Hansen.)
Hansen, Augie L., assignor to A. L. Hansen Mfg. Company, Chicago, Ill. Display stand. 1,819,814; Aug. 18.
Hansen, Augie L., assignor to A. L. Hansen Mfg. Company, Chicago, Ill. Window regulator for vehicle bodies. 1,827,746; Oct. 20.
Hansen, Augie L., assignor to A. L. Hansen Mfg. Co., Chicago, Ill. Extension doorlock. 1,831,067; Nov. 10.
Hansen, Bernard, Freeport, N. Y. Roller screen. 1,832,387; Nov. 17.
Hansen Canning Machinery Corporation. (See Hansen, Oswald H., assignor.)
Hansen, Carl H., Portland, Conn. Electroplating apparatus. 1,795,336; Mar. 10.
Hansen, Carl H., Portland, Conn. Window sash. 1,820,273; Aug. 25.
Hansen, Catherine A., Oakland, Calif. Stocking protector. Des. 84,034; Apr. 28.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Wearing block for steel retainers. 1,789,101; Jan. 13.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Charging device. 1,789,816; Jan. 20.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Hose clamp. 1,792,221; Feb. 10.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Water head for rock drills. 1,796,457; Mar. 17.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Locating device for drill mountings. 1,796,784; Mar. 17.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Front head for rock drills. 1,798,257; Mar. 31.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drill-steel coupling. 1,800,998; Apr. 14.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device for rock drills. 1,805,521; May 19.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,805,695; May 19.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,806,799; May 26.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Pile driver attachment for rock drills. 1,811,626; June 23.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Cleansing device for rock drills. 1,816,324; July 28.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drilling apparatus. 1,816,481; July 28.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel support for rock drills. 1,817,308; Aug. 4.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device for rock drills. 1,818,393; Aug. 11.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Oiling device. 1,822,092; Sept. 8.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Mounting for rock drills. 1,823,446; Sept. 15.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Clamp. 1,827,195; Oct. 13.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air line oiler. 1,828,185; Oct. 20.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Chuck for broaching steel. 1,828,862; Oct. 27.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Shell for rock drills. 1,831,445; Nov. 10.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device for rock drills. 1,831,446; Nov. 10.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Motor drive. 1,832,630; Nov. 17.
Hansen, Christian, Essen-Stadtwald, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Absorption of hydrogen sulphide and ammonia from gases. 1,826,779; Oct. 13.
Hansen, Christian, Wiesdorf near Cologne-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Simultaneous absorption of ammonia and hydrogen sulfide from industrial gases. 1,795,120; Mar. 3.
Hansen, Christian, Wiesdorf-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Absorption of hydrogen sulfide and ammonia from gases. 1,795,121; Mar. 3.
Hansen, Christian A., assignor to Alemite Corporation, Chicago, Ill. Swivel. 1,791,127; Feb. 3.
Hansen, Clifford L. (See Skogman, J. T., and Hansen.)
Hansen, Edmund H., New York, N. Y. Thermal sound recording system. 1,810,705; June 16.
Hansen, Edmund H., New York, N. Y. Apparatus for radio recording and reproduction. 1,827,519; Oct. 13.
Hansen, Edward H., assignor, by mesne assignments, to Johnson Fare Box Company, Chicago, Ill. Glass drilling machine. 1,833,898; Dec. 1.
Hansen, Eli, and I. Poderzaj, Copenhagen, Denmark. Key for different locks. 1,826,615; Oct. 6.
Hansen, Fred A., assignor to Hevi Duty Electric Company, Milwaukee, Wis. Electric furnace. 1,802,892; Apr. 28.
Hansen, Fred A., assignor to Hevi Duty Electric Company, Milwaukee, Wis. Retort furnace. 1,825,790; Oct. 6.
Hansen, Fred E., Cleveland, Ohio. Nozzle. 1,835,865; Dec. 8.
Hansen, Friedrich C. H., Harburg, Germany. Automatic shooting machine. 1,819,954; Aug. 18.
Hansen, Fritz P., Portola, Calif. Shipping crate. 1,818,800; Aug. 11.
Hansen, Gustave A., Chicago, Ill. House moving jack. 1,832,023; Nov. 17.
Hansen, Hans C., Frederiksberg, assignor to Soren Wistoft & Co's Fabrikker, Akts., Copenhagen, Denmark. Releasing mechanism for automatic vending machines. 1,798,085; Mar. 24.
Hansen, Hans C., Frederiksberg, assignor to Soren Wistoft & Co.'s Fabrkker, Akts., Copenhagen, Denmark. Releasing mechanism for automatic vending machines. 1,804,098; May 5.
Hansen, Hans S., Chicago, Ill. Pulverized coal feeder. 1,831,491; Nov. 10.
Hansen, Harry J., La Junta, Colo. Closure clock. 1,807,033; May 26.
Hansen, Harry P. (See McMullen, M. W., and Hansen).
Hansen, Henry. (See Oberly, E. L., and Hansen.)
Hansen, Herman, New York, N. Y., assignor to Francis Keil & Son, Inc. Attachment for doors. 1,807,841; June 2.
Hansen, Herman C., Plainfield, N. J. Universal jack. 1,795,391; Mar. 10.
Hansen, James P., assignor to Tri Clover Machine Co., Kenosha, Wis. Milk pump. 1,790,470; Jan. 27.
Hansen, Jasper, assignor to Faries Manufacturing Company, Decatur, Ill. Dental lighting fixture. Des. 84,780; Aug. 4.
Hansen, Julius E., Rochester, N. Y. Truss. 1,789,365; Jan. 20.
Hansen, Julius W. and W. L., and I. N. Hurst, assignors to Hansen Mfg. Company, Inc., Princeton, Ind. Synchronous self starting motor. 1,823,601; Sept. 15.
Hansen, Klaus L., Milwaukee, Wis. Dynamo-electric machine. 1,792,739; Feb. 17.
Hansen, Klaus L., Milwaukee, Wis. Dynamo electric machine. 1,811,668; June 23.
Hansen, Klaus L., Milwaukee, Wis. Arc welding apparatus. 1,811,669; June 23.
Hansen, Klaus L., Milwaukee, Wis. Dynamo electric machine. 1,811,670; June 23.
Hansen, Klaus L., Milwaukee, Wis. Dynamo electric machine. 1,811,671; June 23.
Hansen, Klaus L., Milwaukee, Wis. Arc welding apparatus and arc welding. 1,811,672; June 23.
Hansen, Lars. (See Jacobsen, B., and Hansen.)
Hansen, Leland H. (See Crossley, A., and Hansen.)

Hansen, Mads, Tekamoh, Nebr. Door latch. 1,789,405; Jan. 20.
Hansen Mfg. Company. (See Hansen, Julius W. and W. L., and Hurst, assignors.)
Hansen, Marius H., Chicago, Ill., assignor to Hanson Scale Company, Newark, Ohio. Scale. 1,838,941; Dec. 29.
Hansen, Marius H., assignor to Hanson Scale Company, Chicago, Ill. Scale. 1,838,992; Dec. 29.
Hansen, Marius H., assignor to Hanson Scale Company, Chicago, Ill. Coin controlled weighing scale. 1,838,993; Dec. 29.
Hansen, Martin I., Ventura, Calif. Wave motor. 1,799,848; Apr. 7.
Hansen, Morten, and W. G. Young, Los Angeles, Calif. Egg separator. 1,838,620; Dec. 29.
Hansen, Oswald H., Milwaukee, assignor to Hansen Canning Machinery Corporation, Port Washington, Wis. Can feeding mechanism. 1,805,243; May 12.
Hansen, Peter N., Emerson, Nebr. Micrometer depth gauge. 1,817,622; Aug. 4.
Hanson, Sern L., Cleveland, Ohio. Table knife. Des. 83,442; Feb. 24.
Hansen, Vernon A. (See Tinker, J. M., and Hansen.)
Hansen, Walter G., Butte, Mont. Manufacturing animal foods. Re18,048; Apr. 14.
Hansen, William L. (See Hansen, Julius W. and W. L., and Hurst.)
Hanses, Frank, Glenn View, Ill. Vehicle towing device. 1,805,822; May 19.
Hansgirg, Fritz. (See Stransky, S., and Hansgirg.)
Hansgirg, Fritz, Vienna, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Production of hydrogen. 1,836,919; Dec. 15.
Hanson, Albert J. (See Juthe, K. A., and Hanson.)
Hanson, Albert J., Arlington, assignor to American Electric Furnace Company, Boston, Mass. Resistor and terminal connection. 1,819,554; Aug. 18.
Hanson, Andrew C., Racine, Wis. Controlling device for shades. 1,790,662; Feb. 3.
Hanson, Andrew C., Racine, Wis. Controlling device for window shades. 1,823,447; Sept. 15.
Hanson, Casper F., assignor to Olson Manufacturing Company, Albert Lea, Minn. Stock watering bowl. 1,836,532; Dec. 15.
Hanson, Christian A., assignor to Alemite Corporation, Chicago, Ill. Lubricating system. 1,803,703; May 5.
Hanson, Clifford O., Tiffin, Ohio. Excavator apparatus. 1,808,408; June 2.
Hanson, Clifford O., Tiffin, Ohio. Excavating apparatus. 1,808,409; June 2.
Hanson, Edward C. (See McClintock, O. B., Popp, and Hanson.)
Hanson, Hans, Ivoryton, Conn., assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,826,878; Oct. 13.
Hanson, Hans C., assignor to American Gas Machine Company, Albert Lea, Minn. Generator tube structure. 1,835,300; Dec. 8.
Hanson, Hugo H. (See Blodgett, C. A., and Hanson.)
Hanson, James, Kidderminster, England. Blending of wool, cotton, and other fibrous materials. 1,838,673; Dec. 29.
Hanson, John C., Homer, La. Piston rod wiper. 1,834,616; Dec. 1.
Hanson, John G., assignor to H. & T. Engineering Corporation, Kenmore, N. Y. Gear shift. 1,830,395; Nov. 3.
Hanson, Louis S., Cleveland, Ohio. Attachment for watches. 1,792,904; Feb. 17.
Hanson & Orth. (See Worden, Edward C., 1st, assignor.)
Hanson, Robert P., assignor to Western Foundry Company, Portland, Oreg. Gate valve. 1,801,237; Apr. 14.
Hanson Scale Company. (See Hansen, Marius H., assignor.)
Hanson, Sigvort, assignor to Racine Dispenser & Manufacturing Company, Racine, Wis. Dispensing machine. 1,821,510; Sept. 1.
Hanson, Victor G., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Automatic filler feed for cigar machines. 1,791,558; Feb. 10.
Hanson, Walter I., and O. R. Stelzer, assignors to Firestone Steel Products Company, Akron, Ohio. Steering wheel. 1,811,269; June 23.
Hanson, Walter M., assignor to American Seating Company, Grand Rapids, Mich. Display table. Des. 84,475; June 23.
Hanson, Walter M., assignor to American Seating Company, Grand Rapids, Mich. Theater chair. 1,802,318; Apr. 21.
Hanson, Walter M., assignor to American Seating Company, Grand Rapids, Mich. Hinge. 1,810,888; June 16.
Hanson-Whitney Machine Company. (See Skarl, Henry, assignor.)
Hanson, William, Trenton Junction, N. J. Incubator. 1,808,107; June 2.
Hansson, Soren, Butler, assignor to Standard Steel Car Corporation, Pittsburgh, Pa. Container. 1,807,912; June 2.
Hantschel, Arthur J. and J. E., Appleton, Wis. Automatic gear-shifting mechanism. 1,791,593; Feb. 10.
Hantschel, John E. (See Hantschel, Arthur J. and J. E.)
Hanzlik, Henry J., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elastic fluid turbine. 1,814,629; July 14.
Hanzlik, Henry J., Swartmore, Po., assignor to Westinghouse Electric & Manufacturing Company. Labyrinth packing. 1,831,242; Nov. 10.
Hapgood, Clarence H., Toledo, Ohio. Safety razor Re17,941; Jan. 27.
Hapgood, Clarence H., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing and counting scale. 1,790,858; Feb. 3.
Hapgood, Clarence H., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,790,859; Feb. 3.
Hapgood, Clarence H., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,798,258; Mar. 31.
Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Scale indicating means. 1,828,225; Oct. 20.
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Continuous milk delivery system. 1,813,238; July 7.
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Milking machine. 1,816,482; July 28.
Happel, Albert, assignor to Ulive Ice Scoring Machine Company, Toledo, Ohio. Ice-cubing machine. 1,796,151; Mar. 10.
Happel, Albert, Toledo, Ohio, assignor, by mesne assignments, to Gifford-Wood Company, Hudson, N. Y. Ice vending machine. 1,818,325; Aug. 11.
Happel, Albert W., assignor to Kent-Owens Machine Company, Toledo, Ohio. Metal-working machine. 1,793,611; Feb. 24.
Haptonstall, Roy E., Chula Vista, Calif. Transmission mechanism. 1,813,739; July 7.
Hara, Ei, Tokyofu, Japan, assignor to General Electric Company. Circuit-breaker-operating mechanism. 1,796,990; Mar. 17.
Harase, Hanzaburo, Los Angeles, Calif. Electric color ray sign. 1,830,026; Nov. 3.
Harase, Hanzaburo, Los Angeles, Calif. Gas and vacuum tube electrode. 1,836,024; Dec. 15.
Harban, Steven J., Riverside, Calif. Orchard heater. 1,820,067; Aug. 25.
Harbecke, Herman H., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Voltage control system. 1,804,768; May 12.
Harber, Laurence S., Peterborough, England, assignor to Baker Perkins Company, Incorporated, Saginaw, Mich. Dough molding machine. 1,816,844; Aug. 4.
Harber, Laurence S., Peterborough, England, assignor to Baker Perkins Company, Incorporated, Saginaw, Mich. Scraper for rollers. 1,831,531; Nov. 10.
Harber, Laurence S., and J. E. Pointon, Peterborough, England, assignors to Baker Perkins Company Incorporated, New York, N. Y. Variable-speed driving or transmitting mechanism. 1,801,043; Apr. 14.
Harbert, Victor H., Chicago, Ill. Pipe clamp. 1,835,155; Dec. 8.
Harbert, Victor H., Chicago, Ill., assignor to Illinois Railway Equipment Company. Clamp for pipes. 1,787,446; Jan. 6.
Harbert, Victor H., Chicago, Ill., assignor, by mesne assignments, to Illinois Railway Equipment Company. Brake-hanger support. 1,795,024; Mar. 3.
Harbison, Clarence B., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Tender frame structure. 1,810,961; June 23.
Harbison, Clarence B., assignor to Ohio Steel Foundry Company, Lima, Ohio. Tender frame. 1,810,962; June 23.
Harbison, Clarence B., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Side frame section. 1,827,787; Oct. 20.
Harbison-Walker Refractories Company. (See Oeffner, A. A., and Trotta, assignors.)
Harbord, Harry, Tacoma, Wash. Freight handling skid. 1,830,998; Nov. 10.
Harcourt, George T., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Tool retainer. 1,812,652; June 30.
Hard, Malcolm, Flushing, assignor to The Superheater Company, New York, N. Y. Manufacturing superheater headers. 1,807,240; May 26.
Hardacker, William E., and E. L. Hessel; said E. L. Hessel assignor to C. Hessel, Minneapolis, Minn. Sewer-flooding-control apparatus. 1,799,849; Apr. 7.
Hardenburg, H. B., Corporation. (See Weinberg, Abraham, assignor.)
Harder, Anna, Idaho Falls, Idaho. Mop. 1,827,578; Oct. 13.
Harder, William T. (See Winship, Benjamin W., and Harder.)
Harders, Otto, Wilkinsburg, Pa. Lock. 1,793,440; Feb. 17.
Hardesty, Benjamin D., assignor to Mayer China Company, Beaver Falls, Pa. Supporting device for pottery. 1,804,980; May 12.
Hardesty, Francis, et al. (See Hull, Alva M., assignor.)
Hardesty, Francis D., Dayton, Ohio. Motor vehicle lock. 1,805,088; May 12.
Hardesty, Francis D., Pleasant Ridge, assignor to Herron-Zimmers Molding Company, Detroit, Mich. Two part finishing molding. 1,804,831; May 12.
Hardesty, Francis D., Pleasant Ridge, Mich. Locking device. 1,833,572; Nov. 24.

Hardesty, Joseph D., Seymour, Ind. Wrench. 1,789,175; Jan. 13.
Hardesty, Llewellyn C., Scotia, N. Y., assignor to General Electric Company. Motor control system. 1,814,799; July 14.
Hardesty, Llewellyn C., Scotia, N. Y., assignor to General Electric Company. System of motor control. 1,828,564; Oct. 20.
Hardesty, Llewellyn C., Scotia, N. Y., assignor to General Electric Company. Motor control. 1,834,777; Dec. 1.
Hardgrove, Ralph M. (See Bailey, E. G., and Hardgrove.)
Hardgrove, Ralph M., Bethlehem, Pa., assignor to Bailey Meter Company. Automatic control system. 1,804,336; May 5.
Hardie, Francis R., Salt Lake County, Utah. Communicating form. 1,803,704; May 5.
Hardie, Robert W., Fanwood, N. J. Dividing strip. 1,817,309; Aug. 4.
Hardies, Charles H., South Gate, W. Jones, Los Angeles, and A. C. Tunison, Huntington Park, Calif. Rotary drilling jar. 1,835,392; Dec. 8.
Hardie-Tynes Manufacturing Company. (See Mathews, William E., assignor.)
Hardiman, James S., Ridgewood, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Screw cap. 1,810,706; June 16.
Hardin, G. C. (See Kise, William K., assignor.)
Hardin, Harvey H., Maitland, assignor of one-half to E. G. Hillsabeck, Graham, Mo. Airplane propeller. 1,816,730; July 28.
Harding, Alfred L., assignor of one-third to L. Moore, Branson, Mo. Rotary valve for internal combustion engines. 1,811,928; June 30.
Harding, Arthur T. (See Clark, F. M., and Harding.)
Harding, Charles H., Fort Smith, Ark. Manufacture of sheet glass. 1,801,079; Apr. 14.
Harding, Clarke T., Baton Rouge, La., and J. C. Whetzel, assignors to American Sheet and Tin Plate Company, Pittsburgh, Pa. Recovering oil. 1,826,349; Oct. 6.
Harding, Dana E., Melrose, assignor to Harding Engineering Company, East Boston, Mass. Cheeking machine. 1,790,619; Jan. 27.
Harding, Dana E., Melrose, assignor to Harding Engineering Company, East Boston, Miss. Fleshing machine. 1,821,094; Sept. 1.
Harding, Dana E., Arlington, assignor, by mesne assignments, to Harding-Walcott Company, Boston, Mass. Leather grading machine. 1,806,756; May 26.
Harding, Earle A., La Salle, assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Co., New York, N. Y. Manufacture of organic chlorides. 1,816,845; Aug. 4.
Harding Engineering Company. (See Harding, Dana E., assignor.)
Harding Engineering Company. (See Martin, Giles W. O., assignor.)
Harding Glass Company. (See Harding, W. E., and Weekley, assignors.)
Harding, Harry C., Wilkesbarre, Pa. Typewriter pad. Des. 85,240; Sept. 29.
Harding, John, jr., assignor to Boeing Airplane Company, Seattle, Wash. Control device. 1,822,287; Sept. 8.
Harding, John V., Detroit, and R. De Boer, assignors to Metalcraft Heater Corporation, Grand Rapids, Mich. Hot water heater for automobiles. 1,820,454; Aug. 25.
Harding, Josephine A., Elmhurst, N. Y. Automatic shift. 1,800,141; Apr. 7.
Harding, Martha L., Philadelphia, Pa. Garment hanger. 1,817,621; Aug. 4.
Harding, Robert, jr., Bayonne, N. J. Cap for collapsible tubes. 1,796,785; Mar. 17.
Harding, Robert, jr., White Plains, N. Y., assignor to Arcturus Radio Tube Company, Newark, N. J. Supporting elements in an electron device. 1,822,731; Sept. 8.
Harding, Robert, jr., White Plains, N. Y., assignor to Arcturus Radio Tube Company, Newark, N. J. Electrode supporting structure. 1,822,732; Sept. 8.
Harding, Roswell W., Sedgwick, Me., and J. P. Richards, Brookline, Mass. Traction tread. 1,815,435; July 21.
Harding, Sherman A. (See Forward, W. J. F., and Harding.)
Harding, Thomas, Newark, N. J., assignor to J. L. Sommer Manufacturing Company. Beverage spoon or similar article. Des. 85,178; Sept. 22.
Harding-Walcott Company. (See Harding, Dana E., assignor.)
Harding, Wayne E., and C. C. Weekley, Fort Smith, Ark., assignors to Harding Glass Company. Method of and apparatus for drawing sheet glass. 1,815,473; July 21.
Harding, William N., and A. H. Krugman, Elyria, Ohio. Removable faceplate for vise jaws. 1,828,042; Oct. 20.
Hardinge Brothers, Inc. (See Hardinge, Henry H., assignor.)
Hardinge Company. (See Hardinge, Harlowe, assignor.)
Hardinge, Harlowe, assignor to Hardinge Company, Incorporated, York, Pa. Universal rod mill. 1,807,034; May 26.
Hardinge, Harlowe, assignor to Hardinge Company, Incorporated, York, Pa. Joint seal. 1,819,093; Aug. 18.
Hardinge, Harlowe, assignor to Hardinge Company, Incorporated, York, Pa. Grinding mill. 1,831,625; Nov. 10.
Hardinge, Henry H., assignor to S. J. Hardinge, Chicago, Ill. Lawn-mower grinder. 1,790,471; Jan. 27.
Hardinge, Henry H., assignor, by mesne assignments, to F. Hardinge Brothers, Inc., Chicago, Ill. Oil burner. 1,792,222; Feb. 10.
Hardinge, Sarah J. (See Hardinge, Henry H., assignor.)
Hardisky, Andrew. (See Tomeshko, George, assignor.)
Hardison, Edwin A., Los Angeles, Calif. Brake-actuating mechanism. 1,795,719; Mar. 10.
Hardman, Frederick J., Dayton, Ohio, assignor to Delco-Remy Corporation, Anderson, Ind. Ignition device. 1,792,089; Feb. 10.
Hardman, Frederick J., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Engine starting apparatus. 1,828,366; Oct. 20.
Hardman, Frederick J., Dayton, Ohio, assignor to Delco-Remy Corporation, Anderson, Ind. Windshield cleaner. 1,828,410; Oct. 20.
Hardman, William H., Schenectady, N. Y., assignor to General Electric Company. Brush for dynamo electric machines. 1,808,549; June 2.
Hardoen, Robert H., Xenia, Ohio, assignor to The Electro Chemical Company, Dayton, Ohio. Electronic rectifier. 1,815,909; July 28.
Hardsocg, Lester C., assignor to Hardsocg Manufacturing Company, Ottumwa, Iowa. Auger or bit. 1,803,183; Apr. 28.
Hardsocg, Lester C., assignor to Hardsocg Manufacturing Co., Ottumwa, Iowa. Drilling machine. 1,833,834; Nov. 24.
Hardsocg Manufacturing Company. (See Hardsocg, Lester C., assignor.)
Hardsocg Wonder Drill Co. (See Smith, George W., assignor.)
Hardsocg Wonder Drill Co. (See Smith, G. W., and Dieterich, assignors.)
Hardt, Albin. (See Kranzlein, G., Hartmann, and Hardt.)
Hardtmann, Max. (See Hentrich, W., Hardtmann, and Hilger.)
Hardtmann, Max. (See Hentrich, W., Hardtmann, and Knoche.)
Hardtmann, Max. (See Hentrich, W., Hardtmann, Knoche, and Hilger.)
Hardtmann, Max. (See Hentrich, W., Hardtmann, and Metzl.)
Hardtmann, Max. (See Hentrich, W., Hardtmann, and Tietze.)
Hardware Products Company. (See Goodnow, John M., assignor.)
Hardwick, Abbie A., Spokane, Wash. Apple picker. 1,795,392; Mar. 10.
Hardwick, Christopher L., assignor to Hardwick Stove Company, Cleveland, Tenn. Stove door. 1,824,345; Sept. 22.
Hardwick, Hindle, Inc. (See Bjorndal, Magnus, assignor.)
Hardwick, Hindle, Inc. (See Crouse, George B., assignor.)
Hardwick Stove Company. (See Hardwick, Christopher L., assignor.)
Hardwick Stove Company. (See Lee, James F., assignor.)
Hardy, Alfred C., Kingston, Pa. Splash shield. 1,795,366; Mar. 10.
Hardy, Arthur C., Wellesley, Mass., assignor to General Electric Company. Mechanical integrating device. 1,799,134; Mar. 31.
Hardy, Arthur C., Wellesley, Mass., assignor to General Electric Company. Method of and apparatus for comparing and recording radiant energy. 1,806,198; May 19.
Hardy, Arthur C., Wellesley, Mass., and F. W. Cunningham, Stamford, Conn., assignors to General Electric Company. Method of and apparatus for comprising and recording relative intensity of radiant energy. 1,806,197; May 19.
Hardy, Arthur C., Wellesley, Mass., and F. W. Cunningham, Stamford, Conn., assignors to General Electric Company. Method and apparatus for comparing radiant energy. 1,806,199; May 19.
Hardy, Charles, assignor to Wales Novelties Corporation, New York, N. Y. Pocket cigar lighter. 1,828,111; Oct. 20.
Hardy, Charles G. (See Jenkins, R. L., and Hardy.)
Hardy, Charles R., Mount Vernon, assignor to The Superheater Company, New York, N. Y. Feed-water heater. Des. 84,781; Aug. 4.
Hardy, Frederick S., Detroit, Mich. Lock. 1,796,098; Mar. 10.
Hardy, James W., Russellville, Ark. Support for cutter bars of mowing machines. 1,809,751; June 9.
Hare, A. C. (See Ford, David O., assignor.)
Harel, Eugene, assignor of one-third to J. Moyneur, and one-third to S. Labarge, Ottawa, Ontario, Canada. Universal joint. 1,826,662; Oct. 6.
Harel, Lucien, Barcelona, Spain. Carburetor. 1,791,204; Feb. 3.
Harford, Charles G. (See Davis, H. S., and Harford.)
Harford, Emory H. (See Schultz, John F., assignor.)
Harford, John K., Lewiston, Idaho. Closure fastener. 1,787,784; Jan. 6.
Hargis, Andrew B., Jellico, Tenn. Automatic drain valve. 1,820,138; Aug. 25.
Hargis, George R., assignor to The Frederick Iron & Steel Company, Frederick, Md. Gear pump. 1,823,098; Sept. 15.

Hargraves, Albert, Akron, Ohio. Tire. Des. 83,804; Mar. 31.
Hargreaves, Robert, assignor to Whitin Machine Works, Whitinsville, Mass. Twister stop motion. 1,830,540; Nov. 3.
Hargreaves, Robert H., assignor of one-third to Duncan Stewart and one-third to A. M. Riesen, San Jose, Calif. Emulsifying apparatus. 1,809,033; June 9.
Hargreaves, Wilfrid, Vancouver, British Columbia, Canada. Sterilizing-test device. 1,788,104; Jan. 6.
Hargreaves, William, West Didsbury, Manchester, assignor of one-half to R. L. Ross and Company, Limited, Stockport, England. Safety valve. 1,823,651; Sept. 15.
Hargrove, John, Monifieth, Angus, Scotland. Drag arrangement for spinning and other textile frames. 1,825,061; Sept. 29.
Harig, Benjamin. (See Goldsmith, M. S., and Harig.)
Haring, Jacob L. (See Stephens, H. H., and Haring.)
Harison, William B., Garden City, N. Y. Aeroplane station. 1,824,346; Sept. 22.
Harker, Frank M. (See Shevlin, Charles W., assignor.)
Harker, Sarah B., Rocky River, Ohio. Dishwashing machine. 1,793,798; Feb. 24.
Harkey, Book L., Long Beach, Calif. Self-serving cafe or cafeteria. 1,822,288; Sept. 8.
Harkness, Andrew M., Nyack, assignor to General Chemical Company, New York, N. Y. Waste heat boiler. 1,822,483; Sept. 8.
Harkness, Orris A., Veazie, assignor to Great Northern Paper Company, Millinocket, Me. Steering mechanism for twin engine tractors. 1,805,141; May 12.
Harkrader, Carl L., East Orange, N. J., assignor to Welin Davit & Boat Corporation, Long Island City, N. Y. Life float. 1,810,397; June 16.
Harlan, Benjamin J., Johnstown, Pa., assignor to Bethlehem Steel Company. Welded steel cooling plate. 1,830,318; Nov. 3.
Harlandt, Walther, Altglienicke, near Berlin, assignor to Deutsche Telephonwerke und Kabelindustrie Aktiengesellschaft, Berlin, Germany. Tube-dispatch system and the like. 1,797,864; Mar. 24.
Harlé, Etienne C. A., Pitres Eure, assignor to Societe Harle Freres & Cie., Pitres, France. Manufacture of detonating fuses. 1,802,508; Apr. 28.
Harley-Davidson Motor Company. (See Harley, William S., assignor.)
Harley, James B., Enid, Okla. Lantern. 1,790,376; Jan. 27.
Harley, William S., assignor to Harley-Davidson Motor Company, Milwaukee, Wis. Motor cycle front fork and front fork assembly. 1,834,308; Dec. 1.
Harlow, Frederick J., and G. R. Benz, assignors to Phillips Petroleum Company, Bartlesville, Okla. Utilization of paraffin hydrocarbons to create a non-oxidizing and non-sulphurous atmosphere in the temperature treatment of solids. 1,806,853; May 26.
Harm, Franklin M., Rochester, N. Y. Circulating device. Re18,303; Dec. 29.
Harm, George O., Warren, Ohio. Cement charger. 1,820,910; Sept. 1.
Harmel, Laure A., born Bradfer, Stains, assignor to Societe Anonyme: Etablissements Smeldur, Manufactory of Belts, Stains, France. Belt composed of longitudinal separated bands. 1,790,145; Jan. 27.
Harmon, Claude O. (See Case, Francis M., assignor.)
Harmon, Edwin L. (See Ely, A. B., and Harmon.)
Harmon, Edwin L., Groton, assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,826,780; Oct. 13.
Harmon, John B. (See Wiener, J. A., and Harmon.)
Harmon, Ralph N., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Synchronizing fork temperature control. 1,835,647; Dec. 8.
Harmony, Minnie M., Canton, Ohio. Mail box station. 1,817,191; Aug. 4.
Harmor & Co. Inc. (See Harty, W. A., and Moore, assignors.)
Harms, Albert G., Chicago, Ill. Burial casket. 1,800,793; Apr. 14.
Harms, Albert G., Chicago, Ill. Burial casket. 1,803,470; May 5.
Harms, Albert G., Chicago, Ill. Loop aerial. 1,812,695; June 30.
Harms, Albert G., Chicago, Ill. Burial casket. 1,831,108; Nov. 10.
Harnagel, H. C. (See Nickerson, Cassious W., assignor.)
Harner, David A., Cedar Falls, Iowa. Pumping device. 1,803,705; May 5.
Harner, Joseph P., assignor to W. F. Norman, Nevada, Mo. Grave box cover. 1,821,635; Sept. 1.
Harnett, Lewis D., Columbus, assignor to The Buckeye Blower Company, Dayton, Ohio. Fusible air control for unit heaters. 1,787,623; Jan. 6.
Harnett, Lewis D., Columbus, Ohio, assignor, by mesne assignments, to Buckeye Blower Company. Combustible damper control for unit heaters. 1,816,217; July 28.
Harney, Emmet T., Garwood, N. J. Variable clutch. 1,831,955; Nov. 17.
Harney, Emmet T., Garwood, N. J., assignor of one-half to N. Littell, New Canaan, Conn. Typewriter escapement mechanism. 1,834,703; Dec. 1.
Harney, Francis W., assignor to The Upson Company, Lockport, N.Y. Forming apparatus for plastic materials. 1,812,631; June 30.
Harney, Francis W., assignor to The Upson Company, Lockport, N. Y. Machine for making insulating bats. 1,834,309; Dec. 1.
Harney, Francis W., assignor to The Upson Company, Lockport, N. Y. Hopper for plastic material. 1,835,043; Dec. 8.
Harnischfeger Corporation. (See Been, Paul, assignor.)
Harnischfeger Corporation. (See Brown, Robert L., assignor.)
Harnischfeger Corporation. (See Harnischfeger, Walter, assignor.)
Harnischfeger Corporation. (See Henricks, Arthur G., assignor.)
Harnischfeger Corporation. (See Lillard, Gwynn L., assignor.)
Harnischfeger Corporation. (Se Mitchell, Holger L., assignor.)
Harnischfeger Corporation. (See Lexa, G. J., and Ljungkull, assignors.)
Harnischfeger Corporation. (See Ljungkull, Rolf, assignor.)
Harnischfeger Corporation. (See Mitchell, H. L., and Ljungkull, assignors.)
Harnischfeger, Walter, assignor to Harnischfeger Corporation, Milwaukee, Wis. Selective drive for excavating machines. 1,826,466; Oct. 6.
Harnsberger, Audley E. (See Smith, C. L., and Harnsberger.)
Harnsberger, Audley E. (See Watson, C. B., and Harnsberger.)
Harnsberger, Audley E., assignor to The Pure Oil Company, Chicago, Ill. Vacuum distillation of oil. 1,822,733; Sept. 8.
Harnsberger, Harry H., Croton-on-Hudson, assignor to The Turnapage Company, Inc., New York, N. Y. Book supporting device. 1,825,521; Sept. 29.
Harnsberger, Harry H., Croton-On-Hudson, assignor to The Turnapage Company, Inc., New York, N. Y. Notebook holder. 1,825,522; Sept. 29.
Harold, Charles F., Winchester, Va. Clothes washing machine. 1,822,215; Sept. 8.
Harold, Joseph F. X., Yonkers, N. Y. Lace making. 1,835,866; Dec. 8.
Harp, Charles, Barnesville, Ohio. Vanity case. 1,828,863; Oct. 27.
Harp, Franklin H. (See Best, Frank E., and Harp.)
Harper, Carey E., Hampton, Fla. Support. 1,813,740; July 7.
Harper, Carl B., Washington, D. C. Aircraft. 1,811,390; June 23.
Harper, Choice R., assignor of one-third to J. Watkins, Wink, Tex. Underground valve for oil wells. 1,823,936; Sept. 22.
Harper, Clair C., Rochester, and E. F. Kitendaugh, Oneida, assignors to Error-No Inc., Rochester, N. Y. Copyholder. 1,807,982; June 2.
Harper, Elmer E., Kansas City, Mo. Combination material-feeding and weighing apparatus. 1,831,596; Nov. 10.
Harper, Elmer E., Kansas City, Mo. Speed control device. 1,834,209; Dec. 1.
Harper, Harry, Minneapolis, Minn. Coffee urn. Des. 83,197; Feb. 3.
Harper, Harry, Minneapolis, Minn. Coffee urn. Des. 84,270; May 26.
Harper, Henry, Salem, S. C. Whirligig toy. 1,788,869; Jan. 13.
Harper, James G., assignor to Landis Machine Company, Waynesboro, Pa. Chaser holder. 1,795,558; Mar. 10.
Harper, Lester J., St. George, N. Y. Toothbrush cover. 1,827,654; Oct. 13.
Harper, Philip S., Chicago, Ill. Gas cock. 1,836,242; Dec. 15.
Harper, Samuel B., Shreveport, La. Plate holding device. 1,822,809; Sept. 8.
Harper, William A. (See Frank, H. J. L., and Harper.)
Harper, William D., Wellesley, Mass. Motor vehicle suspension. 1,807,592; June 2.
Harper, William E., Chicago, Ill. Seat bur. 1,813,741; July 7.
Harpfer, Donald E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Rubber conduit. 1,838,056; Dec. 22.
Harpham, George L., Corona, Calif. Oil-display device. 1,796,991; Mar. 17.
Harpine, Philip T., and G. W. Cooper, Washington, D. C. Self adjusting caster. 1,834,617; Dec. 1.
Harpman, Charles A., Youngstown, Ohio. Heat distributor for cook stoves. 1,808,550; June 2.
Harps, James A., Greenfield, Ohio. Container or the like. 1,829,003; Oct. 27.
Harrah, Chester P. (See Harrah, Philip J. and C. P.)
Harrah, Clayton C., assignor to National-Standard Company, Niles, Mich. Tire-bead reenforcing element. 1,819,747; Aug. 18.
Harrah, Philip J., and C. P., Bloomfield, Ind. Check construction. 1,818,250; Aug. 11.
Harrall, Edwin R., Englewood, and R. D. Parrott, West New York, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Duct rod. 1,818,951; Aug. 11.
Harrell, Richard O., South Boston, Va. Alarm system. 1,801,198; Apr. 14.
Harrild, Guildford R., Yakima, Wash. Mold. 1,794,290; Feb. 24.

Harriman, Arthur J. (See O'Neill, H. T., and Harriman.)
Harriman, Joseph B., North Reading, Mass. Poultry light control. 1,806,395; May 19.
Harrington, Albert H., Brighton, Boston, Mass. Fishing apparatus. 1,812,632; June 30.
Harrington, Alfred L., Rosslyn Farms, Pa., assignor to Pittsburgh Plate Glass Company. Glass melting apparatus. 1,727,469; Oct. 13.
Harrington, Alfred L., Rosslyn Farms, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making plate glass. 1,838,142; Dec. 29.
Harrington, Arthur S., Omaha, Nebr. Filter. 1,836,920; Dec. 15.
Harrington, Clinton O., assignor to Aldobilt Company, Chicago, Ill. Multiple lens signal lantern. 1,833,160; Nov. 24.
Harrington, Elliott D. (See Whiting, M. A., and Harrington.)
Harrington, Elliott D., Schenectady, N. Y., assignor to General Electric Company. Electrical control system. 1,799,097; Mar. 31.
Harrington, Ertle L., Saskatoon, Saskatchewan, Canada. Base for laboratory supports. Des. 83,805; Mar. 31.
Harrington, George E., jr., assignor of one-half to C. E. Fisenne, New York, N. Y. Game. 1,787,521; Jan. 6.
Harrington, George G., assignor to Reed Roller Bit Company, Houston, Tex. Blow out preventer. 1,831,956; Nov. 17.
Harrington, Howard W., Bartlesville, Okla. Advertising sign. Des. 83,043; Jan. 13.
Harrington, Jerome F., New York, N. Y. Necktie rack. 1,822,734; Sept. 8.
Harrington, Joseph, Riverside, assignor to Joseph Harrington Company, Harvey, Ill. Metallurgical furnace. 1,792,638; Feb. 17.
Harrington, Joseph Company. (See Harrington, Joseph, assignor.)
Harrington & King Perforating Company. (See Schneider, Oscar K., assignor.)
Harrington Manufacturing Company. (See Jahn, Emil C. B., assignor.)
Harrington, Norman T., assignor to The Simplex Piston Ring Company of America, Inc., Cleveland, Ohio. Piston ring. 1,820,353; Aug. 25.
Harrington, Norman T., assignor to The Simplex Piston Ring Company of America, Inc., Cleveland, Ohio. Sign. 1,837,545; Dec. 22.
Harrington, William H., West Hartford, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Heater-circuit control. 1,795,122; Mar. 3.
Harris, Albert E., San Marino, assignor to Thompson Manufacturing Company, Los Angeles, Calif. Intermittent-motion rotary sprinkler. 1,832,205; Nov. 17.
Harris, Albert L., assignor to Kelton Aurand Manufacturing Co., Bay City, Mich. Reclining chair. 1,790,703; Feb. 3.
Harris, Alexander, Newark, N. J., assignor to Art Metal Works, Inc. Sign. 1,831,532; Nov. 10.
Harris, Alfred M., Washington, D. C., assignor to D. F. Cook, Cheyenne, Wyo. Internal combustion engine. 1,838,256; Dec. 29.
Harris, Arthur W. (See Cummings, B. L., and Harris.)
Harris, Barnett W., New York, N. Y. Hypodermic bullet. 1,815,300; July 21.
Harris, Barnett, New York, N. Y., assignor of one-half to C. R. Dooley, Summit, N. J. Hypodermic bullet. 1,819,415; Aug. 18.
Harris, Benjamin, New York, N. Y. Combined easel and medallion. 1,815,436; July 21.
Harris, Benjamin R. (See Epstein, A. K., and Harris.)
Harris, Benjamin R. (See Urkov, J., and Harris.)
Harris, Burton S., and H. M. Johnston, assignors to Massey-Harris Company Limited, Toronto, Ontario, Canada. Swather. 1,792,691; Feb. 17.
Harris Calorific Company, The. (See Campbell, Lorn, jr., assignor.)
Harris, Carl C. (See Simonds, W. J., and Harris.)
Harris, Carl C., Orange, Mass. Swimming float. 1,829,090; Oct. 27.
Harris, Carl C., Orange, Mass. Bathing float. 1,829,137; Oct. 27.
Harris, Charles, Frankfort, assignor to American Identification Company, Winchester, Ky. Key chart. 1,823,602; Sept. 15.
Harris, Charles E., Montpelier, Idaho. Automobile turntable and carrier. 1,808,655; June 2.
Harris, Charles R., East Boston, Mass. Rack. 1,814,692; July 14.
Harris, Charles W., Proctor, Minn., assignor to Transportation Devices Corporation, Indianapolis, Ind. Indicating and controlling mechanism. 1,826,280; Oct. 6.
Harris, Cleo, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Ball and socket joint. 1,837,160; Dec. 15.
Harris, Clifford B. (See Babbitt, J. B., and Harris.)
Harris, Clinton P., assignor to Huron Industries Inc., Alpena, Mich. Feeder for comminuted materials. 1,831,561; Nov. 10.
Harris, Edgar P., Triplett, Mo. Adjustable car partition. 1,825,452; Sept. 29.
Harris, Edward E., Tulsa, Okla. Combination salt and pepper shaker. 1,826,539; Oct. 6.
Harris, Ewing T., Seminole, Okla. Oil pressure gauge. 1,804,981; May 12.
Harris, Ford W., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Electrical dehydrator with free moving live electrode. 1,838,828; Dec. 29.
Harris, Francis J., Johnstown, Pa. Coupling for pumping fire engines. 1,827,579; Oct. 13.
Harris, Frank R., jr., St. Louis, Mo. Screen for windshields. 1,810,044; June 16.
Harris, Frank W., Great Falls, Mont. Air brake bleeder valve. 1,807,842; June 2.
Harris, Frederick G., Mount Bauple, Queensland, Australia. Tractor drawn disk plow. 1,809,694; June 9.
Harris, George W., Fergus Falls, Minn. Dental wax eliminator. 1,815,060; July 21.
Harris, Gordon D., assignor to The Industrial Dryer Corporation, Stamford, Conn. Air conditioner. 1,808,982; June 9.
Harris, Gordon D., Sound Beach, Conn., assignor to The Industrial Dryer Corporation. Conditioning materials. 1,815,669; July 21.
Harris, Harry, assignor of three-fifths to T. Forbes, Miami, Fla. Multigraph machine. 1,796,021; Mar. 10.
Harris, Henry, et al. (See Talbot, Frank A., assignor.)
Harris, Henry A., Nacogdoches, Tex. Cultivator. 1,814,693; July 14.
Harris, Henry H., Detroit, Mich. Counterflow carburizing machine. 1,819,509; Aug. 18.
Harris, Henry H., Detroit, Mich. Metal concrete for hearth plates and the like. 1,829,218; Oct. 27.
Harris, Henry H., Detroit, Mich., assignor to General Alloys Company, Boston, Mass. Link conveyer. 1,787,980; Jan. 6.
Harris, Henry H., Detroit, Mich., assignor to General Alloys Company, Boston, Mass. Temperature-indicating means and process. 1,788,794; Jan. 13.
Harris, Henry H., assignor to Noble & Harris, Detroit, Mich. Spotlight mounting. 1,800,686; Apr. 14.
Harris, Hiram E., Swampscott, Mass., assignor to General Electric Company. Instrument transformer. 1,830,541; Nov. 3.
Harris, Howard C., Akron, Ohio. Pivotal connection. 1,829,720; Oct. 27.
Harris, James E., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic material. 1,790,704; Feb. 3.
Harris, James N., Queens Village, N. Y. Apparatus for displaying rugs and the like. 1,815,311; July 21.
Harris, John A., Detroit, Mich. Steam-motor vehicle. 1,790,986; Feb. 3.
Harris, John E. G. (See Beckett, E. G., Harris, Wylam, and Thomas.)
Harris, John E. G. (See Drescher, H. A. E., Harris, Wylam, and Thomas.)
Harris, John E. G. (See Morton, J., Jones, Wylam, and Harris.)
Harris, John F., Stroudsburg, Pa. Selectively-controlled distributing box for sewage-disposal systems. 1,795,123; Mar. 3.
Harris, Joseph B., jr., Los Angeles, Calif. Color photography. 1,825,863; Oct. 6.
Harris, Julius H., and C. F. Burney, Dallas, Tex. Sample display. 1,805,041; May 12.
Harris, Mark, Detroit, Mich., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Friction spring brake. 1,828,367; Oct. 20.
Harris, Mark, Birmingham, Mich., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Vehicle spring retarder. 1,834,704; Dec. 1.
Harris, Mark B., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Car heater. 1,808,165; June 2.
Harris, Max F., assignor to Automatic Cap Co. Inc., Auburn, N. Y. Operating means for caps or lids of gasoline tanks and the like. Re17,962; Feb. 10.
Harris, Moses A., Milford, Conn. Cowl ventilator and windshield heater. 1,837,773; Dec. 22.
Harris, Ora E., Kearney, Nebr. Ice cream dipper. 1,831,386; Nov. 10.
Harris, Oscar L. (See Leverett, W. H., and Harris.)
Harris, Percy E., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Liquid controlled gyrocompass. 1,811,415; June 23.
Harris, Ralph W., Canadea, N. Y. Apparatus for use in milling curd. 1,814,033; July 14.
Harris, Reginald M., Fanwood, N. J., assignor to The Superheater Company, New York, N. Y. Support for superheaters. 1,791,559; Feb. 10.
Harris, Robert, London, England, assignor, by mesne assignments, to Lithoprintex Corporation. Duplicating or printing apparatus. 1,811,690; June 23.
Harris, Robert, London, England, assignor, by mesne assignments, to Lithoprintex Corporation. Press-frame for duplicating or printing apparatus. 1,811,691; June 23.
Harris-Seybold-Potter Company. (See Droitcour, Michael A., assignor.)
Harris-Seybold-Potter Company. (See Pritchard, C. G., and Harrold, assignors.)
Harris-Seybold-Potter Company, The. (See Valiquette, William L., assignor.)
Harris-Seybold-Potter Company, The. (See Wright, Joseph T., assignor.)
Harris-Seybold-Potter Company, The. (See Wright, J. T., and Rowell, assignors.)

Harris, Sylvan, Philadelphia, Pa., assignor to Stewart-Warner Corporation, Chicago, Ill. Radio-frequency amplifier. 1,830,542; Nov. 3.
Harris, Thomas S., assignor to The Ayer Company, Lowell, Mass. Bottle. Des. 84,476; June 23.
Harris, Wallace R., Chicago, Ill., assignor to J. F. Robb, Cleveland, Ohio. Indicator for concrete roads. 1,835,217; Dec. 8.
Harris, William A., Greenville, S. C. Pneumatic tire inflating and deflating apparatus. 1,805,397; May 12.
Harris, William W., Brockton, Mass. Mechanical toy. 1,811,929; June 30.
Harris, William O., et al. (See Rodgers, Arthur L., assignor.)
Harrison, Alfred F. (See Peard, Oliver L., S. M., and Harrison.)
Harrison, Archibald C., Birmingham, Ala., assignor to The Brown Instrument Company, Philadelphia, Pa. Automatic analyzing and control system and apparatus therefor. 1,811,233; June 23.
Harrison, Archibald C., Alexandria, Va., assignor to The Brown Instrument Company, Philadelphia, Pa. Control method and apparatus. 1,833,077; Nov. 24.
Harrison, Arthur P. (See Frey, C. N., Schultz, and Harrison.)
Harrison, Charles B., Chicago, Ill. Telegraph page-printing machine. 1,793,365; Feb. 17.
Harrison, Charles D., and P. D. Lindsey, Hominy, Okla. Reversible check valve and cut off. 1,827,470; Oct. 13.
Harrison, Charles P. (See Steiner, A. P., Stoner, and Harrison.)
Harrison, Charles P. (See Thayer, L. C., and Harrison.)
Harrison, Charles P., Wesleyville, assignor to Jarecki Manufacturing Co., Erie, Pa. Chaser and chaser holder. 1,810,241; June 16.
Harrison, Charles P., Wesleyville, assignor to Jarecki Manufacturing Co., Erie Pa. Die head. 1,831,957; Nov. 17.
Harrison, Clifford E., assignor to American Engineering Company, Philadelphia, Pa. Extension grate. 1,798,019; Mar. 24.
Harrison, David, St. Louis, Mo. Drapery pleating and supporting means. 1,819,240; Aug. 18.
Harrison, Douglas M., East St. Louis, Ill., assignor, by mesne assignments, to McKenzie Mortar Company, Pittsburgh, Pa. Hardening and waterproofing composition for lime and the like products. 1,829,746; Nov. 3.
Harrison, Edward S. (See Vieling, F. J., and Jessen, assignors.)
Harrison, George D. (See Myers, W. L., and Harrison.)
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration transmission system. 1,788,487; Jan. 13.
Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Mechanical transmission system. 1,788,519; Jan. 13.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound radiator. 1,792,536; Feb. 17.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration-transmission system. 1,792,637; Feb. 17.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,804,688; May 12.
Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Mechanical transmission system. 1,818,131; Aug. 11.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Measurement of mechanical impedance. 1,832,901; Nov. 24.
Harrison, Henry C., Port Washington, N. Y., and H. A. Anderson, Montclair, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phonograph needle. 1,792,494; Feb. 17.
Harrison, Jamison R., Middletown, Conn. High frequency generator circuit. 1,834,154; Dec. 1.
Harrison, Jamison R., Middletown, Conn. High frequency generator circuit. 1,834,155; Dec. 1.
Harrison, Jamison R., Middletown, Conn., assignor to Radio Corporation of America, New York, N. Y. Method of exciting piezo-electric crystals and apparatus therefor. 1,796,650; Mar. 17.
Harrison, Jamison R., Middletown, Conn., assignor to Wired Radio, Inc., New York, N. Y. Balanced magnetostrictive oscillator. 1,811,126; June 23.
Harrison, Jamison R., Middletown, Conn., assignor to Wired Radio, Inc., New York, N. Y. Balanced magnetostrictive oscillator. 1,811,127; June 23.
Harrison, Jamison R., Middletown, Conn., assignor to Wired Radio, Inc., New York, N. Y. Balanced magnetostrictive oscillator. 1,811,128; June 23.
Harrison, Jamieson R., Middletown, Conn., assignor to Wired Radio, Inc., New York, N. Y. Crystal mounting and circuit arrangement. 1,821,304; Sept. 1.
Harrison, Jamison R., Pittsburgh, Pa., assignor to Wired Radio, Inc., New York, N. Y. Piezo electric crystal system. 1,824,777; Sept. 29.
Harrison, John D. (See Colberg, G. A., Harrison, and Winterberger.)
Harrison, John H., Stockton, Calif. Self-propelling floor polisher. 1,791,812; Feb. 10.
Harrison, John K. M., Ogontz, Pa. Marine mine and firing method therefor. 1,814,152; July 14.
Harrison, Joseph H., Gomersall, near Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Me. Leather stretching machine. 1,807,660; June 2.
Harrison, Monroe, Chicago, Ill. Drink-dispensing apparatus. Des. 82,987; Jan. 6.
Harrison, Monroe, Chicago, Ill. Advertising device. 1,790,345; Jan. 27.
Harrison, Paul E., Buffalo, assignor to Du Pont Rayon Company, New York, N. Y. Spinning bucket. 1,831,860; Nov. 17.
Harrison Radiator Corporation. (See Muir, Wellington W., assignor.)
Harrison Radiator Corporation. (See Saunders, Laurence P., assignor.)
Harrison Radiator Corporation. (See White, James A., assignor.)
Harrison, Raymond L., Albuquerque, N. Mex. Earth working apparatus. 1,826,931; Oct. 13.
Harrison, Raymond L., Albuquerque, N. Mex. Earth moving device. 1,835,648; Dec. 8.
Harrison, Raymond L., Albuquerque, N. Mex. Earth moving device. 1,835,649; Dec. 8.
Harrison, Thomas R., assignor to The Brown Instrument Company, Philadelphia, Pa. Gas analysis apparatus. 1,818,619; Aug. 11.
Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Electric measuring instrument. 1,826,879; Oct. 13.
Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Recording and control system and apparatus therefor. 1,827,520; Oct. 13.
Harrison, Thomas R., assignor to The Brown Instrument Company, Philadelphia, Pa. Electrical gas analyzing apparatus. 1,829,649; Oct. 27.
Harrison, Thomas R., assignor to The Brown Instrument Company, Philadelphia, Pa. Thermoelectro liquid level indicator. 1,833,112; Nov. 24.
Harrison, William E., Union City, Ind. Pliers. 1,792,837; Feb. 17.
Harrison, William R., Massillon, assignor to The Spun Steel Corporation, Canton, Ohio. Roller spun metal manufacture. 1,828,464; Oct. 20.
Harrison, William R., Massillon, assignor to The Spun Steel Corporation, Canton, Ohio. Apparatus for roller spun metal manufacture. 1,836,921; Dec. 15.
Harrold, Charles W. (See Pritchard, C. G., and Harrold.)
Harron, Joseph A., Elkins Park, and J. J. Diamond and G. Bley, Philadelphia, Pa. Treating yarn. 1,799,230; Apr. 7.
Harrop Ceramic Service Company, The. (See Hartford, Frank M., assignor.)
Harrop Ceramic Service Company, The. (See Sylvester, George R., assignor.)
Harroun, Ray W., Detroit, Mich. Internal combustion engine. 1,824,992; Sept. 29.
Harry, Joshua B., Philadelphia, Pa. Cooling tower. 1,825,453; Sept. 29.
Harsch, John W., Ambler, and W. R. Schofield, jr., Philadelphia, assignors to Leeds & Northrup Company, Philadelphia, Pa. Control system. 1,815,061; July 21.
Harsem, Peter A., Oslo, assignor to Imperator Hestesko A/S., Tonsberg, Norway. Horseshoe. 1,825,186; Sept. 29.
Harsh, Clarence. (See Fry, C. A., Harsh, and Schory.)
Harshbarger, Asa F. (See Jacobs, C. H., and Harshbarger.)
Harshberger, Norman P., Pasadena, Calif., assignor to The Barret Company, New York, N. Y. Shingle. 1,802,378; Apr. 28.
Harshberger, Norman P., Chicago, Ill., assignor to The Barrett Company, New York, N. Y. Composition shingle. 1,818,850; Aug. 11.
Harson, Howard E., Chicago, Ill. Combination envelope and letter sheet. 1,801,155; Apr. 14.
Harsted, Harry H., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Display rack. 1,803,016; Apr. 28
Harston, Dan, assignor of one-third to J. M. Sellman, one-third to G. E. Hubbard, and one-third to D. Thurmond, Dallas, Tex. Highway foot cycle. 1,798,794; Mar. 31.
Hart, Alfred V., Westfield, N. J., and D. B. Thoms, Torrington, Conn. Plant marker. 1,819,708; Aug. 18.
Hart, Alvin L., San Diego, Calif., and L. A. Hart, Charlevoix, Mich. Rotary fluid operated and operating device. 1,831,243; Nov. 10.
Hart, Austin H., Greenwich, Conn., assignor, by mesne assignments, to Revere Copper and Brass Incorporated, Baltimore, Md. Radiator for high-pressure systems. 1,795,774; Mar. 10.
Hart, Burchard L. (See Hart, Burnett B., and B. L.)
Hart, Burnett B. and B. L., San Diego, Calif. Auto ignition lock. 1,790,007; Jan. 27.
Hart-Carter Company. (See Varusky, John J., assignor.)
Hart, Charles, Media, Pa., assignor of one-half to P. Shields, Washington, D. C. Treating ores in the manufacture of rustless steel. 1,826,932; Oct. 13.
Hart, Christopher H. G., Los Angeles, Calif. Toy vehicle. 1,792,162; Feb. 10.
Hart & Cooley Manufacturing Company. (See Covell, Harold S., assignor.)
Hart & Cooley Manufacturing Company. (See Hart, Howard S., assignor.)

Hart, Earl H., Berkeley, Mich. Curtain rod pilot. 1,810,207; June 16.
Hart, Edgar E., Lincoln Park, Mich. Window sash and apparatus for internal combustion motors. 1,808,814; June 9.
Hart, Francis K., et al. (See Titus, Thomas L., assignor.)
Hart, Frank, Los Angeles, Calif. Reproducing multi-color designs. 1,814,310; July 14.
Hart, Frank R., Pacific Grove, Calif. Applicator for administering irrigating fluids and radiant energy to the urethra. 1,819,368; Aug. 18.
Hart, Fred A., New York, N. Y. Bus top. 1,831,907; Nov. 17.
Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Computing machine. 1,790,472; Jan. 27.
Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,795,337; Mar. 10.
Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,806,200; May 19.
Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Computing frame. 1,809,121; June 9.
Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Computing machine. 1,812,873; July 7.
Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,818,394; Aug. 11.
Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,825,148; Sept. 29.
Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,827,431; Oct. 13.
Hart, Fred V., Lynn, and H. A. Davenport, Brockton, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe supporting means. 1,831,109; Nov. 10.
Hart, George H., West Hartford, Conn. Electric switch. 1,789,586; Jan. 20.
Hart, George Hegeman, West Hartford, Conn. Electric switch. 1,797,416; Mar. 24.
Hart, George H., West Hartford, Conn. Thermostatically operated switch mechanism. 1,823,099; Sept. 15.
Hart Glass Manufacturing Company. (See McDonald, Harry R., assignor.)
Hart, Hannah M. (See Auer, E. C., and Hart.)
Hart, Hans, Munich, Germany. Folding boat. 1,817,557; Aug. 4.
Hart, Hans, Munich, Germany. Device for tautening the cover of folding boats. 1,822,810; Sept. 8.
Hart, Harry H., assignor to Hart's Lunch, Inc., Sacramento, Calif. Steak tenderer. 1,809,165; June 9.
Hart, Harry S., et al., trustees. (See Miller, Frank W., assignor.)
Hart, Harry S., and D. Hindahl, Chicago, Ill. Car construction. 1,804,769; May 12.
Hart & Hegeman Manufacturing Company, The. (See Guett, Monroe, assignor.)
Hart, Henry J., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,797,658; Mar. 24.
Hart, Henry R., Montclair, N. J., assignor to A. G. Spalding & Bros., New York, N. Y. Flying suit. 1,795,775; Mar. 10.
Hart, Herbert S., and L. J. White, assignors to Southern Prison Company, San Antonio, Tex. Actuating mechanism for cell doors and locks. 1,836,661; Dec. 15.
Hart, Howard S., New Britain, Conn., assignor to Hart & Cooley Manufacturing Company, Chicago, Ill. Register and ventilator. 1,791,026; Feb. 3.
Hart & Hutchinson Company, The. (See Hart, M. S., and Anderson, assignors.)
Hart & Hutchinson Company, The. (See Hart, M. S., and Steele, assignors.)
Hart, John, Union City, N. J. Garment holder, folder, supporter and box strengthener. 1,805,363; May 12.
Hart, John F., Rockford, Ill. Can opener. 1,815,910; July 28.
Hart, John W., Montgomery, Ala. Buckle. 1,838,827; Dec. 29.
Hart, Lester C., Cleveland, Ohio, assignor to Hi-Voltage Equipment Company. Switch. 1,829,349; Oct. 27.
Hart, Loren A. (See Hart, Alvin L. and L. A.)
Hart, Loren A., Charlevoix, Mich. Automatic air mixing machine. 1,807,593; June 2.
Hart, Maxwell S., and G. H. Anderson, assignors to The Hart & Hutchinson Company, New Britain, Conn. Metal-panel construction. 1,801,080; Apr. 14.
Hart, Maxwell S., New Britain, and M. G. Steele, Farmington, assignors to The Hart & Hutchinson Company, New Britain, Conn. Air heating and circulating apparatus. 1,790,473; Jan. 27.
Hart, Maxwell S., New Britain, and M. G. Steele, Farmington, assignors to The Hart & Hutchinson Company, New Britain, Conn. Radiator. 1,837,905; Dec. 22.
Hart, Robert. (See Artley, D. D., Hart, and Yeoman.)
Hart, Robert N. (See Tapp, William C., assignor.)
Hart, Walter H., assignor to The Stanley Works, New Britain, Conn. Hinge construction. 1,824,886; Sept. 29.
Hartbauer, August W. L., Chicago, Ill. Car construction. 1,805,696; May 19.
Hartbauer, August W. L., Chicago, Ill. Railway car construction. 1,805,767; May 19.
Hartburg, Herman L., Denver, Colo. Elevator. 1,794,456; Mar. 3.
Harteneck, Aenne, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Activation of proteases. 1,826,467; Oct. 6.
Hartenstein, Herman L., Chicago, Ill. Apparatus for cooling internal combustion engines. 1,813,667; July 7.
Hartenstein, Herman L., Chicago, Ill. Producing pyrophoric iron. 1,819,164; Aug. 18.
Harter, Charles, St. Louis, Mo., assignor to P. H. Murphy Company, New Kensington, Pa. Carline reenforcement and load-lifting arrangement. Re17,977; Feb. 24.
Harter, Charles, St. Louis, Mo., assignor to P. H. Murphy Company, New Kensington, Pa. Carline reenforcement and load-lifting arrangement. Re18,018; Mar. 31.
Harter, Edwin S., Indianapolis, Ind. Nozzle. 1,825,864; Oct. 6.
Harter, Evan C., Sturgis, Mich. Base for chairs, stands, and the like. 1,817,558; Aug. 4.
Harter, Evan C., Sturgis, Mich. Base for chairs, stands, and the like. 1,817,559; Aug. 4.
Harter, Evan C., Sturgis, Mich. Base for chairs, tables, and the like. 1,817,560; Aug. 4.
Harter, Evan C., Sturgis, Mich. Chair construction. 1,821,636; Sept. 1.
Harter, George F., assignor to The Standard Electric Time Company, Springfield, Mass. Emergency dispatch system. 1,803,111; Apr. 28.
Harter, George F., assignor to The Standard Electric Time Company, Springfield, Mass. Electric time clock correction. 1,822,144; Sept. 8.
Harter, George F., assignor to The Standard Electric Time Company, Springfield, Mass. Electric time clock correction. 1,822,145; Sept. 8.
Harter, George F., assignor to The Standard Electric Time Company, Springfield, Mass. Electrical control system. 1,836,797; Dec. 15.
Harter, Isaac, New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat exchanger. 1,796,945; Mar. 17.
Harter, Isaac, New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat transfer device. 1,834,398; Dec. 1.
Harter, Isaac, Dongan Hills, N. Y., A. M. Kohler, East Liverpool, Ohio, and F. H. Norton, Cambridge, Mass., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Tunnel kiln and process of heating ceramic articles. 1,799,296; Apr. 7.
Harter, John W., Pelham Bay Park, assignor to Mac Arthur Concrete Pile Corporation, New York, N. Y. Apparatus for setting piles. 1,800,727; Apr. 14.
Härter, Ludwig, Berlin-Wannsee, Germany. Rubber tire. 1,815,507; July 21.
Harter, Noah S., Waukegan, Ill. Wire fence fabric. Des. 84,743; July 28.
Harter, Noah S., Waukegan, Ill. Fence wire fabric. 1,831,908; Nov. 17.
Hartford-Empire Company, The. (See Arbeit, Pierre, assignor.)
Hartford-Empire Company. (See Bacheller, Raymond G., assignor.)
Hartford-Empire Company. (See Barker, William T., assignor.)
Hartford-Empire Company. (See Barker, William T., jr., assignor.)
Hartford-Empire Company. (See Canfield, Robert W., assignor.)
Hartford-Empire Company. (See Hiller, Everett O., assignor.)
Hartford-Empire Company. (See Howard, George E., assignor.)
Hartford-Empire Company. (See Keller, John R., assignor.)
Hartford-Empire Company. (See Lorenz, Edward H., assignor.)
Hartford-Empire Company. (See Lorenz, E. H., and Schroeder, assignors.)
Hartford-Empire Company. (See Lorenz, William A., assignor.)
Hartford-Empire Company. (See Marsh, Gilbert C., assignor.)
Hartford-Empire Company. (See Mayers, Wilbur S., assignor.)
Hartford-Empire Company. (See Miller, William J., assignor.)
Hartford-Empire Company. (See Mulholland, Vergil, assignor.)
Hartford-Empire Company. (See Nagle, Claude, assignor.)
Hartford-Empire Company. (See Peiler, Karl E., assignor.)
Hartford-Empire Company. (See Peiler, K. E., and Barker, assignors.)
Hartford-Empire Company. (See Pleukharp, C. W., and Raynes, assignors.)
Hartford-Empire Company. (See Raeder, Johan K. B., assignor.)
Hartford-Empire Company. (See Rankin, Carl H., assignor.)
Hartford-Empire Company. (See Rowe, George E.)

Hartford-Empire Company. (See Rowe, George E., assignor.)
Hartford-Empire Company. (See Russell, A. W., and Wadman, assignors.)
Hartford-Empire Company. (See Schroder, John E., assignor.)
Hartford-Empire Company. (See Smith, Algy J., assignor.)
Hartford-Empire Company. (See Steimer, Theodore C., assignor.)
Hartford-Empire Company. (See Wadman, Harold A., assignor.)
Hartford-Empire Company. (See Wardley, Thomas, assignor.)
Hartford-Empire Company. (See Westin, Daniel B., assignor.)
Hartford-Empire Company. (See Willetts, Paul G., assignor.)
Hartford, Frank M., assignor to The Harrop Ceramic Service Company, Columbus, Ohio. Method and apparatus for drying the clay ware or kindred products. 1,793,086; Feb. 17.
Hartford, Frank M., assignor to The Harrop Ceramic Service Company, Columbus, Ohio. Wall structure. 1,799,979; Apr. 7.
Hartford, Frank M., assignor to The Harrop Ceramic Service Company, Columbus, Ohio. Apparatus for treating ceramic ware. 1,799,980; Apr. 7.
Hartford Rubber Works Co., The. (See Lough, Hector V., assignor.)
Hartford Rubber Works Company, The. (See Steinle, William J., assignor.)
Hartford Special Machinery Company, The. (See Standish, Edward K., assignor.)
Hartinger, Hans. (See Bauersfeld, W., and Hartinger.)
Hartley, Ellis, assignor to Whitin Machine Works, Whitinsville, Mass. Doll-roll twister stop motion. 1,790,814; Feb. 3.
Hartley, Ellis, assignor to Whitin Machine Works, Whitinsville, Mass. Apparatus for spinning yarn. 1,817,192; Aug. 4.
Hartley, Henry J., Hastings-on-Hudson, and F. B. Schilling, Flushing, assignor to Nichols Copper Company, New York, N. Y. Ore cooling apparatus. 1,810,562; June 16.
Hartley, Kenneth. (See Carlton, D. P., and Hartley.)
Hartley, Lee R., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Measuring and dispensing pump. 1,814,153; July 14.
Hartley, Lee R., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Motor operated dispensing pump. 1,814,154; July 14.
Hartley, Ralph V. L. (See Buckley, O. E., and Hartley.)
Hartley, Ralph V. L., South Orange, N. J. Internal combustion engine. 1,817,747; Aug. 4.
Hartley, Ralph V. L., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Translating device. Re18,274; Dec. 8.
Hartley, Ralph V. L., South Orange, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Electrooptical system. 1,808,137; June 2.
Hartley, Ralph V. L., South Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Sound radiator. 1,821,547; Sept. 1.
Hartley, Thomas W., Oaken, near Codsall, Wolverhampton, England. Machine for straightening rods and pipes. 1,832,631; Nov. 17.
Hartline, William A., Tampa, Fla. Blotting medium. 1,803,800; May 5.
Hartman, Anthony A., Niagara Falls, N. Y. Brush for scrubbing machines. 1,808,656; June 2.
Hartman, Anton. (See Nischke, Henry, assignor.)
Hartman, Bendix W., San Francisco, Calif. Spring device for beds. 1,830,107; Nov. 3.
Hartman, Charles, Waddington Channell, British Columbia, Canada. Pipe wrench. 1,806,457; May 19.
Hartman, Clive E., Alliance, Nebr. Windshield protector. 1,814,034; July 14.
Hartman, Frank E., Evanston, assignor of one-third to F. H. Montgomery and one-third to W. R. Montgomery, Chicago, Ill. Supplying artificially-ionized oxygen for ventilation or other purposes. 1,793,799; Feb. 24.
Hartman, Frank E., assignor of one-third to F. H. Montgomery and one-third to W. R. Montgomery, Chicago, Ill. Ozone generator. 1,834,705; Dec. 1.
Hartman, Frederick E., Milwaukee, Wis. Collapsible inclosure for rumble seats. 1,809,034; June 9.
Hartman, George H., assignor to The Aro Equipment Corporation, Bryan, Ohio. Oil dispensing mechanism. 1,830,697; Nov. 3.
Hartman, Harry, and J. A. Browne, Los Angeles, Calif.; said Browne assignor to said Hartman. Expansion clasp for bracelets and the like. 1,798,602; Mar. 31.
Hartman, Harry B., Buffalo, N. Y. Safety razor. 1,827,148; Oct. 13.
Hartman, Harry F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Brushholder. 1,820,699; Aug. 25.
Hartman, James F., West Hazleton, Pa., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical side slip feeler. 1,817,141; Aug. 4.
Hartman, John K., Pequea, assignor to M. M. Hartman, Lancaster, Pa. Control means for aeroplanes. 1,800,794; Apr. 14.
Hartman, Louis A. (See Lansberry, G. A., Hartman, and Jasperson.)
Hartman, Mary M. (See Hartman, John K., assignor.)
Hartman, Rush S., Trenton, N. J. Hoisting truck. 1,793,851; Feb. 24.
Hartman, William O., St. Louis, Mo. Foot rest. 1,838,482; Dec. 29.
Hartman, William W., Los Angeles, Calif. Tray. 1,819,894; Aug. 18.
Hartman, William W., Los Angeles, Calif. Stabilizer. 1,820,391; Aug. 25.
Hartmann, August, Barmen, Germany, assignor to the Firm American Bemberg Corporation, New York, N. Y. Obtaining copper sulphate from the waste liquors in the production of cuprammonium silk. 1,815,201; July 21.
Hartmann, August, Wuppertal-Oberbarmen, and W. Höfinghoff, Wuppertal-Barmen, Germany, assignors to American Bemberg Corporation, New York, N. Y. Spinning cuprammonium silk by the stretch process. 1,828,497; Oct. 20.
Hartmann & Braun Aktiengesellschaft. (See Palm, Albert, assignor.)
Hartmann & Braun Aktinegesellschaft. (See Schünemann, Julius, assignor.)
Hartmann, Charles, Company. (See Taylor, R. T., and Wallace, assignor.)
Hartmann, Christoph. (See Kranzlein, G., Hartmann, and Hardt.)
Hartmann, Eliza B., London, England. Collecting tray for rotary duplicators. 1,823,042; Sept. 15.
Hartmann, Georg, Ilseder-bei-Peine, Hanover, Germany, assignor to The Charles Taylor Sons Company, Cincinnati, Ohio. Method and apparatus for making curved bodies. 1,824,482; Sept. 22.
Hartmann, Louis H. (See Parsons, J. A., and Hartmann.)
Hartmann, Max, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of physiologically active substances from female internal secretory organs. 1,817,686; Aug. 4.
Hartmann, Miner L., Lompoc, Calif., assignor to The Carborundum Company, Niagara Falls, N. Y. Siliconcarbide refractory articles and making the same. 1,790,474; Jan. 27.
Hartmann, Miner L., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article. 1,830,757; Nov. 10.
Hartmann, Otto H., assignor to Schmidt'sche Heissdampf G. m. b. H., Cassel-Wilhelmshohe, Germany. Process and apparatus for producing steam by indirect heating. 1,788,520; Jan. 13.
Hartmann, Otto H., assignor to Schmidt'sche Heisdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. High-pressure steam boiler plant for portable engines. 1,802,421; Apr. 28.
Hartmann, Otto H., Cassel-Wilhelmshohe, Germany, assignor to The Superheater Company, New York, N. Y. Boiler. 1,809,896; June 16.
Hartmann, Otto H., and M. Hannig, assignors to Schmidtsche Heissdampf-Gesellschaft mit beschrankter Haftung, Cassel-Wilhelmshohe, Germany. Heat transferrer. 1,823,800; Sept. 15.
Hartmann, Samuel A., Jackson, Mo. Drainage system. 1,811,009; June 23.
Hartmann Trunk Company. (See Ritter, Alois A., assignor.)
Hartmann Trunk Company. (See Ritter, Julius, jr., assignor.)
Hartness, James, Springfield, Vt. Thread gauge. 1,819,025; Aug. 18.
Hartness, James, Springfield, Vt. Cam controlled thread gauge. 1,822,027; Sept. 8.
Hartness, James, Springfield, Vt. Screw thread gauge and method of gauging. 1,822,028; Sept. 8.
Hartness, James, Springfield, Vt. Thread gauging. 1,829,797; Nov. 3.
Hartog, Stephen D., St. Louis, Mo., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,794,767; Mar. 3.
Hartog, Stephen D., St. Louis, Mo., assignor to H. J. Hater, Cincinnati, Ohio. Piston. 1,812,696; June 30.
Hartong, Robert C., Akron, assignor to Seiberling Rubber Company, Barberton, Ohio. Manufacture of a textile product, etc. 1,787,680; Jan. 6.
Harts, Clement B., et al. (See Gorr, Walter O., assignor.)
Harts, Clement B., assignor to R. C. Dunbar, C. B. Harts, and E. K. Ferriss, New York, N. Y. Stencil hand stamp. 1,789,464; Jan. 20.
Harts, W. W., jr., et al. (See Gorr, Walter O., assignor.)
Hart's Lunch, Inc. (See Hart, Harry H., assignor.)
Hartsell Mills Company. (See Pharr, William N., assignor.)
Hartsell, Sidney, Seattle, Wash. Hot water circulating system. 1,831,244; Nov. 10.
Hartshorn, Stewart, Short Hills, assignor to Stewart Hartshorn Company, East Newark, N. J. Shade roller and fastener. 1,798,259; Mar. 31.
Hartson, Earl S., Los Angeles, Calif. Core drill. 1,810,208; June 16.
Hartson, Earl S., Los Angeles, Calif. Underreamer. 1,822,216; Sept. 8.
Hartson, Earl S., Los Angeles, Calif. Expansion drilling bit. 1,824,268; Sept. 22.

Hartsook, Clarence G., assignor of one-fourth to J. L. Hill, and one-fourth to H. A. Grimm, Denver, Colo. Attachment for numbering machines. 1,796,099; Mar. 10.
Hartsook-Rennick, Inc. (See Rennick, Lyle S., assignor.)
Hartsough, Ralph C., Berwyn, Ill. Telephone transmitter. 1,794,376; Mar. 3.
Hartsough, Ralph C., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coating electrical conductors. 1,822,484; Sept. 8.
Hartstoff-Metall A. G., (Hametag). (See Kramer, Erwin, assignor.)
Hartstoff-Metall Aktiengesellschaft. (See Kramer, Erwin, assignor.)
Hartstoff-Metall Aktien-Gesellschaft. (Hametag), The Firm of. (See Kramer, Erwin, assignor.)
Hartung, Louis, jr., Kearny, N. J. Boiler. 1,812,094; June 30.
Hartwell, Charles M., Springfield, Ohio. Weeder. 1,814,216; July 14.
Hartwell, Floyd S., Lakewood, Cleveland, Ohio. Expansible reamer. 1,791,205; Feb. 3.
Hartwell, Floyd S., Cleveland, Ohio. Portable boring machine. 1,814,920; July 14.
Hartwell, Floyd S., Cleveland, Ohio. Boring bar. 1,814,921; July 14.
Hartwell, Floyd S., Cleveland, Ohio. Taper boring tool. 1,814,922; July 14.
Hartwell, Floyd S., Cleveland, Ohio. Boring bar. 1,824,543; Sept. 22.
Hartwell, Floyd S., Syracuse, N. Y. Cutter head for boring bars or the like. 1,792,905; Feb. 17.
Hartwell, Floyd S., assignor to Kelly Reamer Company, Cleveland, Ohio. Boring bar. 1,814,919; July 14.
Hartwell, Hubert, Evanston, Ill. Miter square. 1,806,396; May 19.
Hartwell, Ralf L., Orange, assignor to Metal Textile Corporation, West Orange, N. J. Composite metallic fabric. 1,811,081; June 23.
Hartwick, Richard. (See Jeglum, O. F., and Hartwick.)
Hartwig, Edward. (See Devol, Arthur E., assignor.)
Hartwig, William G., Chicago, Ill. Mercury tube switch. 1,797,574; Mar. 24.
Hartwig, William G., assignor to Railway Utility Company, Chicago, Ill. Electric fuse. 1,810,653; June 16.
Hartwig, William J. (See Cullin, Jasper F., assignor.)
Harty, William A., Buffalo, N. Y., and F. W. Moore, Thorold, Ontario, Canada, assignors to Harmor & Co. Inc., Buffalo, N. Y. Rotary drier. 1,796,651; Mar. 17.
Harty, William A., Buffalo, N. Y., and F. W. Moore, Thorold, Ontario, Canada, assignors to Harmor & Co. Inc., Buffalo, N. Y. Rotary drier. 1,810,476; June 16.
Harty, William A., Buffalo, N. Y., and F. W. Moore, Thorold, Ontario, Canada, assignors to Harmor & Co. Inc., Buffalo, N. Y. Drier. 1,824,717; Sept. 22.
Hartz, Albert J., Bay City, Mich. Bullet. 1,833,645; Nov. 24.
Hartz, M. N. (See Sierer, Bert S., assignor.)
Hartz Machinery Company. (See Sierer, Bert S.)
Hartzell, Harry W., Madison, Kans. Antiglare shield. 1,837,546; Dec. 22.
Hartzell, Herman L. (See Fitzsimmons, J. T., and Hartzell.)
Hartzell, Herman L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition coil. 1,828,411; Oct. 20.
Hartzell Industries Inc. (See Charavay, Frederick, assignor.)
Hartzler, Melvin E., Downers Grove, and E. P. Romilly, Chicago, Ill. Pavement marker. 1,798,467; Mar. 31.
Hartzler, Melvin E., Downers Grove, and E. P. Romilly, Chicago, Ill. Anchoring device. 1,798,468; Mar. 31.
Hartzler, Melvin E., Downers Grove, and E. P. Romilly, Chicago, Ill. Pavement marker. 1,830,319; Nov. 3.
Harvard Company, The. (See Case, F. E., and Monnot, assignors.)
Harvard Company, The. (See Gowie, William, assignor.)
Harvard Company, The. (See Monnot, Edward L., assignor.)
Harvel Corporation, The. (See Harvey, Mortimer T., assignor.)
Harvel Corporation, The. (See Ryan, Victor A., assignor.)
Harvell, Robert, et al. (See Udell, Earl L., assignor.)
Harvey, Albert L., La Grange, Ill. Clamp for shingles. 1,790,860; Feb. 3.
Harvey, Carl L. (See Frayer, L. A., and Harvey.)
Harvey, Douglas G., assignor to Reynolds Wire Co., Dixon, Ill. Screen structure. 1,790,861; Feb. 3.
Harvey, Ellery H., Lansdale, Pa., assignors to Perkins Glue Company. Making vegetable glue. 1,790,346; Jan. 27.
Harvey, Herbert, Los Angeles, Calif. Wire roll holder. 1,836,593; Dec. 15.
Harvey, Howard J., Detroit, Mich. Emblem. Des. 85,097; Sept. 15.
Harvey, James W., Falmouth Foreside, Me. Motor boat installation. 1,824,887; Sept. 29.
Harvey, Jesse W., Collins, Ga., assignor to Moore Dry Kiln Company, Jacksonville, Fla. Automatic vent controls. 1,802,252; Apr. 21.
Harvey, Lee, San Francisco, Calif., assignor to H. P. Burke, Alpine, Ariz. Oil filtering and refining means. 1,805,450; May 12.
Harvey, Leo M., Los Angeles, Calif. Tension mechanism. 1,789,900; Jan. 20.
Harvey, Leo M., Los Angeles, Calif. Metal strap for boxes, bales, or the like. 1,828,186; Oct. 20.
Harvey, Minor. (See Bayard, M. L., and Harvey.)
Harvey, Molley E., Eugene, Oreg. Clip for electrodes. 1,799,747; Apr. 7.
Harvey, Mortimer T., Newark, N. J. Container and material therefor. 1,838,073; Dec. 22.
Harvey, Mortimer T., Newark, N. J. Water proofing material and process therefor. 1,838,075; Dec. 22.
Harvey, Mortimer T., assignor to The Harvel Corporation, Newark, N. J. Container and material therefor. 1,838,074; Dec. 22.
Harvey, Mortimer T., East Orange, assignor to The Harvel Corporation, Newark, N. J. Compositions of materials and producing them. 1,819,416; Aug. 18.
Harvey, Mortimer T., East Orange, assignor to The Harvel Corporation, Newark, N. J. Composition and making the same. 1,821,095; Sept. 1.
Harvey, Mortimer T., East Orange, N. J., assignor to The Harvel Corporation. Composition of matter and making and using the same. 1,838,076; Dec. 22.
Harvey, Mortimer T., East Orange, assignor to The Harvel Corporation, Newark, N. J. Composition for electrical insulation and other purposes and making and using the same. 1,838,077; Dec. 22.
Harvey, Mortimer T., New York, N. Y., assignor to The Harvel Corporation. Colors, dyes, and bases therefor. 1,838,070; Dec. 22.
Harvey, Mortimer T., New York, N. Y., assignor to The Harvel Corporation. Plastic material and making the same. 1,838,071; Dec. 22.
Harvey, Norman D., jr., Pittsburgh, Pa., assignor to Carbide & Carbon Chemicals Corporation. Degumming silk. 1,828,736; Oct. 27.
Harvey, Norman J., and R. Porter, Platte Center, Nebr. Defrosting windshield wiper. 1,831,859; Nov. 17.
Harvey, Paul D., Chicago, Ill. Marine reduction reverse gear unit. 1,814,311; July 14.
Harvey, Raymond, New York, N. Y., and H. V. Day, Pequannock Township, Morris County, assignors to The Pantosote Leather Company, Passaic, N. J. Mildewproof fabric and making same. 1,827,083; Oct. 13.
Harvey, Robert P., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Calender construction. 1,793,612; Feb. 24.
Harvey, Robert P., Longmeadow, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Deflating device. 1,809,897; June 16.
Harvey, Roy S. (See Larson, W. E., and Harvey.)
Harvey, Walter J., Toronto, Ontario, Canada. Sunlight control and concentrating device. 1,822,029; Sept. 8.
Harvey, William D., assignor to American Steel Products Co., Macomb, Ill. Collapsible mash feeder. 1,790,045; Jan. 27.
Harvey, William H., Water Valley, Miss. Core drill. 1,790,542; Jan. 27.
Harvey, William H., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical connecter. 1,816,846; Aug. 4.
Harvey's, A., Sons Mfg. Co. (See Garbarino, Louis, assignor.)
Harward, George W., Eldon, Iowa. Locking mechanism for reverse gears of locomotives. 1,815,301; July 21.
Harwig, Gerhard, Berlin, assignor to the firm Berlin-Karlsruher Industrie-Werke A. G., Karlsruhe, Germany. Wrapping up machine for circular loaves. 1,787,522; Jan. 6.
Harwood, Paisley B., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motors. 1,801,502; Apr. 21.
Harwood, Willard M., Los Angeles, Calif. Irrigation gate. 1,830,999; Nov. 10.
Harza, Leroy F., Chicago, Ill. Conduit. 1,791,271; Feb. 3.
Hasapes, Thomas. (See Foradas, F. D., and Hasapes.)
Hasbrouck, Beatrice, Highland, N. Y. Stenographer's appliance. 1,824,718; Sept. 22.
Hasbrouck, Louis B. (See Garey, J. P., and Hasbrouck.)
Hasbrouck, Louis B., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Slub catcher. 1,813,049; July 7.
Hasbrouck, Louis B., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y., Bobbin support. 1,821,706; Sept. 1.
Hasbrouck, Louis B., Elmira, and J. P. Garey, Elmira Heights, assignors to Eclipse Textile Devices, Inc., Elmira, N. Y. Dyeing apparatus. 1,836,533; Dec. 15.
Hasche, Rudolph L., Elizabeth, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Separation of gases. 1,798,733; Mar. 31.
Hasche, Rudolph L., Elizabeth, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Separating gases. 1,810,312; June 16.
Hasche, Rudolph L., and W. H. Dargan, Elizabeth, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Separation of gases. 1,794,377; Mar. 3.
Hase, Rudolf, Hanover, Germany. Optical pyrometer. 1,825,229; Sept. 29.
Haselhorst, Ewald. (See Schmidt, A., and Haselhorst.)
Haseltine, Stacey B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,814,035; July 14.
Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,829,138; Oct. 27.

Haseltine, Stacy B., assignor, by mesne assignments, to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,831,909; Nov. 17.
Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,831,910; Nov. 17.
Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock absorbing mechanism. 1,832,931; Nov. 24.
Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Pivotal yoke and coupler connection. 1,836,244; Dec. 15.
Haselton, Page S. (See Owens, Percy R., assignor.)
Haselton, Page S., Upper Montclair, N. J., assignor to B. L. Gregg, Forest Hill Gardens, N. Y. Cutting glass. 1,805,457; May 12.
Haseman, John D., Linton, Ind. Solid silicic acid containing bleaching agents and making the same. 1,838,621; Dec. 29.
Hasenauer, Edmund J., Wheeling, W. Va. Automatic draft appliance for furnaces. 1,833,049; Nov. 24.
Hashimoto, Takichi, Kamakura-Cho, Kanagawa, Japan. Steam pressure cooker. 1,834,837; Dec. 1.
Hasinger, Louis. (See Trageser, A. H., and Hassinger.)
Haskelite Manufacturing Corporation. (See Meyercord, G. R., and Norris, assignors.)
Haskelite Manufacturing Corporation. (See Norris, Charles B., assignor.)
Haskell, Broderick, Franklin, assignor to Davis Brake Beam Company, Johnstown, Pa. Brake beam guard arm. 1,810,707; June 16.
Haskell, Emanuel. (See Brenner, B., and Haskell.)
Haskell, Frank E., Holyoke, Mass. Ammeter. 1,800,999; Apr. 14.
Haskell, Frederick F., Arlington, assignor to Apexcon Company, Jamaica Plain, Mass. Metal window screen. 1,810,274; June 16.
Haskell, George D., assignor to Baush Machine Tool Company, Springfield, Mass. Multiple drill. 1,799,812; Apr. 7.
Haskell, John D., Fulton, N. Y. Refining engine. 1,835,984; Dec. 8.
Haskell, John D., assignor to Dilts Machine Works, Inc., Fulton, N. Y. Pulp beater, extractor, and cleaner. 1,824,080; Sept. 22.
Haskett, Thomas H. (See Mulville, Agnes, assignor.)
Haskin, Joseph J., Stockton, Calif. Oil burner. 1,825,230; Sept. 29.
Haskin, Walter E., Flushing, assignor to Pressed & Welded Steel Products Co., Long Island City, N. Y. Bookstand. 1,821,802; Sept. 1.
Haskins, Elbert O., Rutherford, N. J., assignor to American Radiator Company, New York, N. Y. Molding apparatus. 1,794,334; Feb. 24.
Haskins, Howard B., and B. S. Floraday, Toledo, Ohio, and D. Miller, Detroit, Mich., assignors to The Dura Company, Toledo, Ohio. Window regulator. 1,788,156; Jan. 6.
Haskins, Howard B., B. S. Floraday, and D. Miller, assignors, by mesne assignments, to The Dura Company, Toledo, Ohio. Window guideway. 1,827,983; Oct. 20.
Haskins, James D., Brooklyn, N. Y. Display stand. Des. 85,286; Oct. 6.
Haslam, Robert T., Belmont, Mass., assignor to Rockland & Rockport Lime Corporation, Rockland, Me. Lime kiln. 1,832,552; Nov. 17.
Haslam, Robert T., Westfield, N. J., and P. L. Young, New York, N. Y., assignors to Standard-I. G. Company. Obtaining valuable products from solid carbonaceous materials. 1,838,547; Dec. 29.
Haslam, Robert T., Westfield, N. J., and P. L. Young, New York, N. Y., assignors to Standard I. G. Company. Obtaining valuable products from solid carbonaceous materials. 1,838,548; Dec. 29.
Hasler A.-G. vormals Telegraphenwerkstätte von G. Hasler. (See Kohler, Ulrich, assignor.)
Hasler A.-G. vormals Telegraphenwerkstatte von G. Hasler. (See Lüthi, Friedrich, assignor.)
Hasley, William G., assignor of one-third to J. H. Downes, Pittsburgh, Pa. Filtering apparatus. 1,821,707; Sept. 1.
Hasley, William G., assignor of one-third to J. H. Downes, Pittsburgh, Pa. Motor vehicle suspension. 1,824,205; Sept. 22.
Haslun, Joseph, New York, and N. E. and W. I. Haslun, Yonkers, N. Y. Sign. 1,816,776; July 28.
Haslun, Norman E. (See Haslun, J., N. E., and W. I.)
Haslun, William I. (See Haslun, J., N. E., and W. I.)
Hass, Henry B., Charleston, W. Va., assignor to Gasoline Recovery Corporation. Highly active carbon and its manufacture. 1,819,165; Aug. 18.
Hass, Henry B., assignor to Gasoline Recovery Corporation, Charleston, W. Va. Method and apparatus for producing activated charcoal. 1,819,166; Aug. 18.
Hassall, Thomas G. (See Ward, C., and Hassall.)
Hasse, Frank C., La Grange, assignor to The Oxweld Railroad Service Company, Chicago, Ill. Blowpipe apparatus. 1,829,592; Oct. 27.
Hasse, Frank C., La Grange, and I. Allison, Forest Park, Ill., assignors to Oxweld Railroad Service Company. Combination tie plate. 1,798,671; Mar. 31.
Hasse, Frank C., La Grange, and I. Allison, Forest Park, Ill., assignors to Oxweld Railroad Service Company. Combination tie plate. 1,800,292; Apr. 14.
Hassel, Wilhelm, assignor to J. Ruppert, Frankfort-on-the-Main, Germany. Electromagnetic unit for acoustic instruments. 1,830,433; Nov. 3.
Hasselbach, Alexander, assignor to the Firm G. Polysius Aktiengesellschaft, Dessau, Germany. Reducing gypsum. 1,801,741; Apr. 21.
Hasselbusch, Henry C., St. Louis, Mo. Metallic window frame and sash. 1,821,511; Sept. 1.
Hasselkus, John W., and O. G. Hay, London, England. Interferometer for the testing of optical elements. 1,824,668; Sept. 22.
Hassensall, Louis W., Toledo, Ohio. Carrier. 1,828,412; Oct. 20.
Hassensall, Louis W., Toledo, Ohio. Water cooler. 1,837,660; Dec. 22.
Hassett Brake Company. (See Fisher, Martin M., assignor.)
Hassing, Oluf S. (See Duer, V., and Hassing.)
Hassler, Gideon G., Stowe Township, Allegheny County, Pa. Diestock. 1,813,668; July 7.
Hast, William H., assignor to Hayden Miller Company, Minneapolis, Minn. Liquid dispenser. 1,823,652; Sept. 15.
Hast, William H., assignor to Hayden Miller Company, Minneapolis, Minn. Dispenser for oil and other liquids. 1,823,653; Sept. 15.
Hast, William H., assignor to Hayden Miller Company, Minneapolis, Minn. Liquid dispenser. 1,823,654; Sept. 15.
Hastert, Edouard. (See Lepersonne, M., and Hastert.)
Hastie, James, Atascadero, Calif. Bench clamp. 1,800,937; Apr. 14.
Hasting, Elmer G., Dayton, assignor of three-fourths to Continental Stove Corporation, Ironton, Ohio. Thermostatically controlled gas valve. 1,821,512; Sept. 1.
Hastings, Douglas H., West Sand Lake, N. Y. Carbon cutter. 1,813,289; July 7.
Hastings, Harold P., assignor to Crouse-Hinds Company, Syracuse, N. Y. Portable cable fuse cut-out. 1,818,251; Aug. 11.
Hastings, Henry E., assignor to Eastman Kodak Company, Rochester, N. Y. Making color photographic film embossing tools. 1,813,669; July 7.
Hastings, Herbert, Rochester, N. Y. Pressure gauge. 1,805,176; May 12.
Hastings, Herbert, Brighton, assignor to Rochester Manufacturing Company, Rochester, N. Y. Combined liquid level and pressure indicating mechanism. 1,822,735; Sept. 8.
Hastings, Horace H., Buffalo, N. Y. Animal trap. 1,797,685; Mar. 24.
Hastings, Odie L., Shreveport, La. Pump piston. 1,816,527; July 28.
Hastings, Ralph, et al., administrators. (See Marshall, John W.)
Haswell, Arthur B., Birmingham, Ala. Blast furnace. 1,836,025; Dec. 15.
Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Panel for doors and the like. 1,802,600; Apr. 28.
Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Structural element. 1,820,700; Aug. 25.
Hatch, Charles T., Albion, assignor to Union Steel Products Company, Albion, Mich. Structural device. 1,826,133; Oct. 6.
Hatch, Charles T., Albion, assignor to Union Steel Products Company, Albion, Mich. Baking oven. 1,838,395; Dec. 29.
Hatch, Lewis, assignor to Wisner Manufacturing Company, New York, N. Y. Dual fluid filter. 1,794,768; Mar. 3.
Hatch, Mellen C. M., Boston, Mass., assignor to The Standard Stoker Company, Incorporated. Locomotive. 1,829,044; Oct. 27.
Hatch, Meredith R. (See Dorman, N. W., and Hatch.)
Hatch, Meredith R., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Metal-drawing press. 1,796,786; Mar. 17.
Hatch, Nathan, Albany, N. Y., assignor to Hatch Patents Company, Inc., Cohoes, N. Y. Garment. 1,794,850; Mar. 3.
Hatch Patents Company. (See Hatch, Nathan, assignor.)
Hatch, Raymond S. (See Wolf, R. B., Hill, and Hatch.)
Hatch, Raymond S., East Orange, N. J.; R. B. Wolf, New York, N. Y.; and R. P. Hill, Glen Rock, N. J. Preparing ground wood pulp. 1,794,174; Feb. 24.
Hatch, Roscoe J., Macy, Ind. Piston. 1,810,423; June 16.
Hatcher, Edward L., Tiffin, Ohio. Ice-cream dispensing. 1,797,417; Mar. 24.
Hatcher, James L., Winchester, Va. Apparatus for rifling gun barrels. 1,789,308; Jan. 20.
Hatcher, James L., United States Army, Winchester, Va. Belt feed mechanism for machine guns. 1,808,847; June 9.
Hatcher, Oscar, and E. L. Byers, assignors to Gypsy Oil Company, Tulsa, Okla. Well cutting sampler. 1,810,827; June 16.
Hatchett, Andrew H., sr., Cleveland, Ohio. Combined fish lure and signal. 1,823,937; Sept. 22.
Hater, Harry J. (See Hartog, Stephen D., assignor.)
Hater, Harry J., Cincinnati, Ohio, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piston. Re18,178; Sept. 8.

Hatfield, Harold C., assignor of forty-nine per cent to J. F. Huber, Racine, Wis. Buffer pad. 1,796,787; Mar. 17.
Hatfield, Ray, Springfield, Ill. Tire chain fastening means. 1,812,697; June 30.
Hatfield, Schuyler C., Baltimore, Md. Resilient disk wheel. 1,791,128; Feb. 3.
Hatfield, Schuyler C., Baltimore, Md. Flexible shaft connection. 1,802,148; Apr. 21.
Hathaway, Claude M., Schenectady, N. Y., assignor to General Electric Company. Oscillograph galvanometer. 1,800,018; Apr. 7.
Hathaway, Edgar F. (See Hall, B., and Hathaway.)
Hathaway, Edgar F., Wellesley, and W. Bixby, assignors to Shawmutt Engineering Company, Boston, Mass. Yarn spool. 1,801,503; Apr. 21.
Hathaway, William R., assignor to United Advertising Corporation, New Haven, Conn. Pipe hanger for electrical conduits and the like. 1,804,416; May 12.
Hathorn, Charles E., Hempstead, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Emergency flotation gear for aircraft. 1,833,646; Nov. 24.
Hathway, Chester F., et al. (See Bradley, Thomas and F., assignors.)
Hatmaker, William T., assignor to The National Pumps Corporation, Dayton, Ohio. Liquid-dispensing pump. 1,788,236; Jan. 6.
Hattery, Joseph S., Waterloo, Iowa, assignor of forty-nine one-hundredths to J. Van Liew, Los Angeles, Calif. Bracket device. 1,822,577; Sept. 8.
Hatton, William, C. De Vriendt, and E. J. Rousseau, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Community dial switching telephone system. 1,829,798; Nov. 3.
Hatton, William, C. De Vriendt, and E. J. Rousseau, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Zone metering telephone exchange system. 1,829,799; Nov. 3.
Hatton, William C. De Vriendt, and E. J. Rousseau, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Dial switching rural telephone exchange system. 1,831,387; Nov. 10.
Haub, George R. (See Algeo, A. M., Haub, and Ross.)
Hauber, Alfred R., Cleveland, Ohio. Convertible vehicle seat. 1,828,931; Oct. 27.
Hauber, Alfred R., Cleveland, Ohio. Automobile tent. 1,834,489; Dec. 1.
Haubert, Leo, Tulsa, Okla. Pulling implement. 1,813,447; July 7.
Haubert, Leo, assignor of one-third to J. A. Wolfe, and one-third to J. C. Bennett, Tulsa, Okla. Power delivering attachment for automobile trucks or tractors. 1,827,655; Oct. 13.
Haubroe, Werner C. L., Copenhagen, Denmark. Support especially for heavy machine guns or the like. 1,810,654; June 16.
Hauch, Wendell M., New York, N. Y. Vanity box or case. 1,817,310; Aug. 4.
Hauck, Andrew C., assignor to Williamsburg Wood Heel Company, Brooklyn, N. Y. Dowel driving machine. 1,837,547; Dec. 22.
Hauck, Daniel R., Akron, Ohio. Flexible roller. 1,794,896; Mar. 3.
Hauck, Fred A., et al. (See Wood, Jesse L., assignor.)
Hauck Manufacturing Company. (See Elze, Walter C., assignor.)
Hauck Manufacturing Company. (See Schumann, Alfred F., assignor.)
Hauenstein, John, Kansas City, Mo. Flashlight support and bracket therefor. 1,821,305; Sept. 1.
Hauenstein, Paul, Buffalo, N. Y. Lamp shade. 1,791,206; Feb. 3.
Hauenstein, Paul A., assignor to Vimco Mfg. Co. Inc., Buffalo, N. Y. Adjustable lamp bracket or support. 1,795,857; Mar. 10.
Hauenstein, Paul A., assignor to Vimco Mfg. Company, Inc., Buffalo, N. Y. Article securing bracket. 1,817,371; Aug. 4.
Haufe, Arthur R., Cincinnati, Ohio. Electric automobile. 1,820,973; Sept. 1.
Haug, Anton J., Nashua, N. H. Filter and press roll therefor. 1,836,243; Dec. 15.
Hauge, Oscar, San Mateo, Calif., assignor to National Biscuit Company. Molding unit for cone-baking machines. 1,797,086; Mar. 17.
Hauge, Oscar, San Mateo, Calif., assignor to National Biscuit Company. Pastry cone baking machine. 1,815,911; July 28.
Haugeness, Ingwald J., Jasper, Minn. Binder attachment. 1,795,720; Mar. 10.
Haughey, Roger F., McKeesport, Pa. Mill for manufacturing lap-weld tubing. 1,788,833; Jan. 13.
Haughey, Theodore P., Accomac, Va. Treating vegetable fibers. 1,814,155; July 14.
Haughton Elevator & Machine Company, The. (See Obler, Frank L., assignor.)
Haughton, Frank A., Schenectady, N. Y., assignor to General Electric Company. Making annular members. 1,833,747; Nov. 24.
Haugsbak, Ole O., Passaic, N. J. Plane for parquet floors. 1,787,576; Jan. 6.
Haugwitz, Otto, Charlottenburg, Germany, assignor to General Electric Company. Signaling cable. 1,795,209; Mar. 3.
Hauk, Edwin, Milwaukee, Wis. Milk cooler. 1,813,050; July 7.
Haulbrook, Robert W., and W. J. Cotton, Maysville, Ga. Brace. 1,812,529; June 30.
Haupt, Frank J. (See Hoover, R., and Haupt.)
Haupt, Karl W., North Providence, assignor to General Fire Extinguisher Company, Providence, R. I. Heater. 1,792,090; Feb. 10.
Haupt, Walter H., Ludlow, Ky., assignor to A. Davis, jr., Cincinnati, Ohio. Liquid dispenser. 1,791,129; Feb. 3.
Haupter, Emma M., assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 85,870; Dec. 29.
Hausch, Theodor. (See Frohlich, H., and Hausch.)
Hausdörfer, Emil. (See Kränzlein, G., Wolfram, and Hausdörfer.)
Hausdörfer, Emil. (See Wolfram, A., and Hausdörfer.)
Hauser, Adalbert, New York, N. Y. Automatically controlled pumping apparatus. 1,815,148; July 21.
Hauser, Ernst A., Frankfort-on-the-Main, Germany. Concentrating lattices, particularly rubber latex, by the so-called creaming process. 1,831,492; Nov. 10.
Hauser, Ernst A., Frankfort-on-the-Main, Germany, and R. H. Watts, Herne Bay, England, assignors to Dewey and Almy Chemical Company, Cambridge, Mass. Colloidal dispersion of plastic compositions such as caoutchouc, gutta percha, balata, artificial rubber (factis), and the like. 1,814,473; July 14.
Hauser, George D., assignor to Utica Products, Inc., Utica, N. Y. Metal casing. 1,836,070; Dec. 15.
Hauser, Henry F. (See Kaplan, A. W., and Hauser.)
Hauser, Max, Zurich, Switzerland. Producing ceramic vessels. 1,790,918; Feb. 3.
Hauserman, E. F., Company, The. (See Bohnsack, John A., assignor.)
Hausman, Jack J., Brooklyn, N. Y. Textile fabric. Des. 84,334; June 9.
Hausmann, Lemuel M., Highland Park, and J. A. Widmer, assignors to Square D Company, Detroit, Mich. Attachment plug receptacle. 1,816,847; Aug. 4.
Hausmann, William F., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 1,821,155; Sept. 1.
Hausner, Ben Z., Yonkers, N. Y. Picture mount. 1,832,704; Nov. 17.
Häussler, Ernst, assignor to Union Special Maschinenfabrik, G. m. b. H., Stutgart, Germany. Overedging sewing machine. 1,825,454; Sept. 29.
Haussmann, Karl, Kiel, assignor to Fried, Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Cam shaft drive for internal combustion engines. 1,809,481; June 9.
Havas, Emeric. (See Gubelmann, I., Oesch, and Havas.)
Haveaux, Emile, Valenciennes, assignor to Societe d'Electricite de la Region de Valenciennes-Anzin, Paris, France. Pulverized fuel furnace and operating the same. 1,829,445; Oct. 27.
Havemeyer, Henry O., jr., Mahwah, N. J. Locomotive tender. 1,832,632; Nov. 17.
Havemeyer, Henry O., jr., Mahwah, N. J., and J. E. Muhlfeld, Scarsdale, N. Y. Welded railway car. 1,788,292; Jan. 6.
Haven, William A., Youngstown, Ohio. Burner system. 1,823,358; Sept. 15.
Haven, William A., Youngstown, Ohio. Heat exchanging device. 1,827,231; Oct. 13.
Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass. Holder and carrier for a riveting machine. 1,820,224; Aug. 25.
Havens, Allen H., St. Petersburg, Fla. Eyeshield for spectacles. 1,805,396; May 12.
Haverhill Shoe Novelty Company. (See Pascucci, Attilio R., assignor.)
Haverhill Shoe Novelty Company. (See Whitmore, Nathaniel M., assignor.)
Haverstick, Earl J., Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resistance material and making same. 1,806,347; May 19.
Havey, Philip F., Washington, D. C. Foot-leveling cushion and support. 1,797,143; Mar. 17.
Hawaiian Canneries, Ltd. (See Taylor, Robert B., assignor.)
Hawaiian Pineapple Company. (See Landrum, Francis H., assignor.)
Hawe, William F. M., Crafton, Pa., assignor to Fostoria, Inc., New York, N. Y. Illuminating globe. Des. 85,645; Dec. 1.
Hawerlander, Adolf, assignor to Halizite Corporation, New York, N. Y. Plastic materials. 1,837,216; Dec. 22.
Hawes, Charlie L., Ashtabula, Ohio. Polishing and grinding machine. 1,825,455; Sept. 29.
Hawes, George E., assignor to The La Resista Corset Company, Bridgeport, Conn. Corset and the like. 1,837,865; Dec. 22.
Hawie, Michael, Greens Farms, Conn. Hose supporter. 1,824,206; Sept. 22.
Hawie, Michael, Greens Farms, Conn. Buckle. 1,829,278; Oct. 27.
Hawie, Michael, Greens Farms, Conn. Buckle. 1,829,279; Oct. 27.
Hawk, Carl F., Bellevue, Ohio. Rotary valve for internal combustion engines. 1,814,036; July 14.

Hawk, Glenn C., East Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Apparatus and method for making spokes. 1,826,350; Oct. 6.
Hawk, Robert, et al. (See Estep, William G., assignor.)
Hawke, Clarence E. (See Benner, R. C., Easter, and Hawke.)
Hawke, Clarence E., Metuchen, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y. Furnace and operating the same. 1,828.839; Oct. 27.
Hawke, Clarence E., Metuchen, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y. Furnace wall construction. 1,833,677; Nov. 24.
Hawke, Clarence E., Metuchen, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y. Operating furnaces. 1,833,712; Nov. 24.
Hawke, E. R., et al. (See Ulrich, George J., assignor.)
Hawkes, Albert J., North Cambridge, Mass. Handle clamp. 1,828.250; Oct. 20.
Hawkes, George F., assignor of one-third to W. Budich, New York, N. Y. Fountain pen. 1,788.293; Jan. 6.
Hawkesworth, Alan S., Washington, D. C. Manufacture of nitrocellulose smokeless powder. 1,809.695; June 9.
Hawkins, Charles A. (See Henneuse, C. A., and Hawkins.)
Hawkins, Charles A., San Francisco, Calif., assignor to Hawkins' Patents, Ltd. Motor vehicle. 1,835,112; Dec. 8.
Hawkins, Edward M., Glezen, Ind., assignor of one-half to W. E. Pouder, Pike County, Ind. Transfer means for mine cars. 1,805,910; May 19.
Hawkins, George W., Jersey City, N. J. Awning pulley and the like. 1,796,328; Mar. 17.
Hawkins, Harold E. (See Hawkins, Ross, assignor.)
Hawkins, Luty, Mount Vernon, Ill. Poultry feeder. 1,808,657; June 2.
Hawkins' Patents, Ltd. (See Hawkins, Charles A., assignor.)
Hawkins, Paul, Los Angeles, Calif. Uniform coat. Des. 83,856; Apr. 7.
Hawkins, Ross, assignor to H. E. Hawkins, Chicago, Ill. Indicating means. 1,805,244; May 12.
Hawkins, Thomas W., Ruabon, Wales. Machine for washing wool and other fibrous material. 1,820,798; Aug. 25.
Hawkins, Walter L., St. Louis, Mo., assignor, by mesne assignments, to Duro Metal Products Company, Chicago, Ill. Spare-tire lock. 1,799,462; Apr. 7.
Hawkins, Wilford J., Claiborne, Md., assignor to American Machine & Foundry Company. Expanding tobacco. 1,789,435; Jan. 20.
Hawkins, Wilford J., Claiborne, Md., assignor to American Machine & Foundry Company. Method and apparatus for mixing dough. 1,790.347; Jan. 27.
Hawkins, Wilford J., Claiborne, Md., assignor to American Machine & Foundry Company. Metal lining crucible. 1,810,913; June 23.
Hawkinson, Arthur A., Minneapolis, Minn. Tire repair plug. 1,831,000; Nov. 10.
Hawkinson, Emil E., South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Portable concrete pole equipment. 1,802,762; Apr. 28.
Hawkinson, Emil E., South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Spacer. 1,817,437; Aug. 4.
Hawkinson, Paul E., assignor to Kehawke Manufacturing Co., Minneapolis, Minn. Tire patch. 1,826,073; Oct. 6.
Hawks, Joseph W., Piqua, Ohio. Composition of material for use in panary fermentation. 1,808,108; June 2.
Hawks, Miles W., Hayesville, Ohio. Door and door operating device. 1,820,941; Sept. 1.
Hawks, William K., assignor to Lubrication Devices, Incorporated, Battle Creek, Mich. Measuring valve. 1,838,396; Dec. 29.
Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Steam purifier. 1,790,305; Jan. 27.
Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Impact separator. 1,800,831; Apr. 14.
Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Centrifugal steam purifier. 1,801,044; Apr. 14.
Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Cupola. 1,801,045; Apr. 14.
Hawley, Charles G., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,821,637; Sept. 1.
Hawley, Charles G., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,821,638; Sept. 1.
Hawley, Douglass, Minneapolis, Minn., assignor to Jewell Electrical Instrument Company, Chicago, Ill. Radio testing device. 1,805,089; May 12.
Hawley, Elmer C., assignor to Armstrong Cork Company, Lancaster, Pa. Container cap. Des. 84,986; Sept. 1.
Hawley, Frank M., Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Tightener for flexible drive connections. 1,806,901; May 26.
Hawley, Frank M., Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Automatic chain tightener device. 1,806,902; May 26.
Hawley, Jesse B. (See Newcombe, Albert, assignor.)
Hawley, Jesse B., St. Charles, Ill. Sound horn. 1,809,035; June 9.
Hawley, Jesse B., St. Charles, Ill. Making sound amplifiers. 1,819,328; Aug. 18.
Hawley, Jesse B., assignor to United Reproducers Patents Corporation, St. Charles, Ill. Electrostatic sound reproducer. 1,809,036; June 9.
Hawley, Jesse G., Painted Post, N. Y. Coupling. 1,817,255; Aug. 4.
Hawley, John B., jr., Minneapolis, Minn. Bearing locking device. 1,812,784; June 30.
Hawley, John B., jr., Minneapolis, Minn. Oil well pump. 1,816,731; July 28.
Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Multiple-skirt insulator. 1,794,111; Feb. 24.
Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Sealing insulators. 1,810,424; June 16.
Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator pin. 1,829,926; Nov. 3.
Hawley, Kent A., Victor, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator. 1,822,485; Sept. 8.
Hawley, Kent A., and D. H. Osborne, Victor, N. Y., assignors to Locke Insulator Corporation, Baltimore, Md. Insulator. 1,819.748; Aug. 18.
Hawley, Willliam D., Syracuse, N. Y. Indicating crystal for timepieces. 1,796.652; Mar. 17.
Haworth, De Witt C., Bandon, assignor of one-fourth to C. Davis, one-fourth to C. L. Zentner, Bandon, and one-fourth to J. T. Sullivan, Marshfield, Oreg. Wood slicing machine. 1,815,670; July 21.
Haworth, Gilbert. (See Smalley, H., and Haworth.)
Hawrylasz, Nykyfor, assignor of one-half to H. E. Andros, Minot, N. Dak. Window cleaning squeegee. 1,828,139; Oct. 20.
Haws, James C., Houston, Tex. Toy gun. 1,811,010; June 23.
Haws, William, H., assignor of one-half to W. W. Hoffman, Johnstown, Pa. Hot tap for ingot molds. 1,818,477; Aug. 11.
Hawthorn, John B., and S. L. Levar, Cairo, Ga. Motor. 1,828.657; Oct. 20.
Hay, Hugh P., Savannah, Ga. Door and window silencer. 1,835.775; Dec. 8.
Hay, Owen G. (See Hasselkus, J. W., and Hay.)
Hayden, Arthur A. (See Bicknell, G. M., and Hayden.)
Hayden, Arthur C., Brockton, Mass. Film reel. 1,799,748; Apr. 7.
Hayden, Arthur C., Brockton, Mass. Panoramic camera attachment. 1,809,338; June 9.
Hayden, Arthur C., Brockton, Mass. Machine for inspecting, splicing, and rewinding motion picture films. 1,809,339; June 9.
Hayden, Arthur C., Brockton, Mass. Film reel and spindle. 1,825.663; Oct. 6.
Hayden, Arthur C., Brockton, Mass. Heel. 1,825,692; Oct. 6.
Hayden, Arthur C., Brockton, Mass. Motion picture projector. 1,829,482; Oct. 27.
Hayden, Erma H., San Diego, Calif. Card-finding device. 1,798.417; Mar. 31.
Hayden, Harold R., Brooklyn, N. Y. Radio dial control. 1,790,146; Jan. 27.
Hayden, Harold R., Brooklyn, N. Y., assignor of one-half to A. E. Van Doren. Radio frequency transformer. 1,794,897; Mar. 3.
Hayden, Howard A., Detroit, Mich. Making blanks. 1,830,027; Nov. 3.
Hayden, Howard A., Detroit, Mich. Corer. 1,834,156; Dec. 1.
Hayden, Howard A., Detroit, assignor of one-half to A. B. Hulsapple, Pontiac, Mich. Binder for loose leaves. 1,792,740; Feb. 17.
Hayden Miller Company. (See Hast, William H., assignor.)
Hayden, Robert B., Seattle, Wash., assignor to H. L. J. Specialty Co. Money bank. 1,826.398; Oct. 6.
Hayden, Robert P., assignor to Johnson & Johnson, New Brunswick, N. J. Mechanism for slitting fabric. 1,806,458; May 19.
Haydon, Arthur W., Hinsdale, Ill. Reversing single phase induction motor. 1,801,958; Apr. 21.
Hayen, John, Milledgeville, Ill. Snow removing apparatus. 1,836,116; Dec. 15.
Hayes, Anson, Ames, Iowa. System of temperature control. 1,810,172; June 16.
Hayes, Anson, Middletown, Ohio, assignor, by mesne assignments, to Industrial Furnace Corporation, Buffalo, N. Y. Graphitizing castings of white castiron. 1,801,742; Apr. 21.
Hayes, Carl I., Providence, R. I. Heat treatment. 1,808,721; June 2.
Hayes, Charles, Paris, France, assignor to Coal Carbonization Company. Carbonizing coal. 1,810,828; June 16.
Hayes, Charles G., assignor to Chicago Carton Company, Chicago, Ill. Printing plate and making the same. 1,827,361; Oct. 13.
Hayes, Dewey L., Rossville, Ga., assignor, by mesne assignments, to Everlastick Varnish, Inc., Chattanooga, Tenn. Roll for spinning machines and method and composition for producing the same. 1,819,289; Aug. 18.
Hayes, Edgar S., Seattle, Wash. Vacuum loader and stacker. 1,800,385; Apr. 14.

Hayes, Frank, El Monte, Calif. Cracking nuts. 1,787,746; Jan. 6.
Hayes, Frank A., Middletown, N. J. Variable speed power transmission mechanism. 1,821,833; Sept. 1.
Hayes, Harry C., assignor to General Necessities Corporation, Detroit, Mich. Condenser. 1,826,540; Oct. 6.
Hayes, Harvey C., Washington, D. C. Method and apparatus for determining gravity variations. 1,787,536; Jan. 6.
Hayes, Harvey C., Washington, D. C. Apparatus for determining the force of gravity at seat. 1,792,013; Feb. 10.
Hayes, Harvey C., Washington, D. C. Geophysical method and apparatus. 1,814,444; July 14.
Hayes, James H., et al. (See Damsel, William B., assignor.)
Hayes, James J., assignor to R. S. Hayes, Louisville, Ky. Freezing device. 1,826,781; Oct. 13.
Hayes, Jesse C., Kittanning, Pa. Rope anchor. 1,810,242; June 16.
Hayes, John C. jr. (See Willcox, F. H., and Hayes.)
Hayes, Ruth S. (See Hayes, James J., assignor.)
Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Scotch block. 1,801,917; Apr. 21.
Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Bumper post. 1,827,288; Oct. 13.
Hayes Track Appliance Company. (See Hayes, Stanley W., assignor.)
Hayford, Eugene S., New Orleans, La. Recording and reproducing talking motion pictures. 1,825,955; Oct. 6.
Haygood, James B. (See Bruce, F. E. and C. A., and Haygood.)
Hayman, Arista T., and G. L. Campbell, St. Louis, Mo. Cardiological instrument and method. 1,794,685; Mar. 3.
Hayman, Bryan J., Enid, Okla. Foldable sectional door. 1,833,252; Nov. 24.
Hayman, Eber J., Parkersburg, W. Va. Stovepipe. 1,827,722; Oct. 13.
Haymon, Krupp & Company. (See Cohen, Rubin, assignor.)
Hayner, Alex., New York, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of paper twine. 1,837,433; Dec. 22.
Haynes, Arthur J., Port Haney, British Columbia, Canada. Sound reproducing apparatus. 1,823,603; Sept. 15.
Haynes, Edward A., Port Huron, assignor to Port Huron Sulphite & Paper Company, Port Huron, Mich. Beating-engine recorder. 1,799,419; Apr. 7.
Haynes, Ellis I., Houston, Tex. Automatic signal device. 1,799,512; Apr. 7.
Haynes Equipment Corporation. (See Haynes, Jack E., assignor.)
Haynes, George, Jersey City, N. J., assignor, by mesne assignments, to Max B. Dupont Vitacolor Corporation, Los Angeles, Calif. Film treating machine. 1,810,209; June 16.
Haynes, George P., Brooklyn, assignor to Todd Dry Dock Engineering and Repair Corporation, New York, N. Y. Apparatus for burning pulverized coal. 1,802,111; Apr. 21.
Haynes, George P., Brooklyn, assignor to Todd Dry Dock, Engineering & Repair Corporation, New York, N. Y. Pulverized coal burner. 1,828,465; Oct. 20.
Haynes, Harold L., West Chicago, Ill. Time-controlled electric switch. 1,794,851; Mar. 3.
Haynes, Jack E., assignor to Haynes Equipment Corporation, St. Paul, Minn. Tripod. 1,808,848; June 9.
Haynes, John I., St. Louis, Mo. Rotary internal combustion engine. 1,825,791; Oct. 6.
Haynes, Jonathan, La Cygne, Kans. Watering fountain. 1,810,829; June 16.
Haynes, Richard H., Sealy, Tex. Electric switch. 1,813,801; July 7.
Haynes, Robert C., Brooklyn, N. Y. Automatic folding step stool. 1,822,399; Sept. 8.
Haynes, Samuel P., Pasadena, and H. Butcher, Glendale, Calif. Automobile traffic-signal switch. 1,798,603; Mar. 31.
Haynes, W. H. (See Arthur, Ernest L., assignor.)
Haynsworth, Ethel and M. F., New York, N. Y. Electrical control switch for vehicles. 1,802,647; Apr. 28.
Haynsworth, Julius D., assignor to McQuay Radiator Corporation, Minneapolis, Minn. Rotor. 1,827,316; Oct. 13.
Haynsworth, Matthew F. (See Haynsworth, E. and M. F.)
Hays, Frank K., and F. A. McMurray, Chicago, Ill. Leveling saddle. 1,802,015; Apr. 21.
Hays, Howard R., Philadelphia County, assignor to H. S. Levy and L. F. Levy, Philadelphia, Pa. Silver nitrate holder for process cameras. 1,804,982; May 12.
Hays Manufacturing Co. (See Hitchcock, Otto G., assignor.)
Hays, Samuel L., Covington, Ky. Expansion mandrel. 1,825,865; Oct. 6.
Haysel, Arthur R., assignor of forty-nine one-hundredths to C. Thompson and G. K. Thompson, copartners in trade doing business under the firm name and style of Chas. & Geo. K. Thompson, Los Angeles, Calif. Mixer head. 1,816,528; July 28.
Haysel, Arthur R., assignor of forty-nine one-hundredths to C. Thompson and G. K. Thompson, doing business as Chas. & Geo. K. Thompson, Los Angeles, Calif. Treating oil. 1,822,888; Sept. 15.
Hayslip, Victor H., Houston, Tex. Safety carriage. 1,831,068; Nov. 10.
Hayton Pump and Blower Company. (See Hayton, Thomas R., assignor.)
Hayton, Thomas R., assignor to Hayton Pump and Blower Company, Appletown, Wis. Two-stage hydrovacuum pump. 1,792,741; Feb. 17.
Hayward, Carle R., Quincy, Mass. Treating materials containing lead. 1,804,054; May 5.
Hayward Company, The. (See Brendlin, Herman J., assignor.)
Hayward, Henry E., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Silent chain drive. 1,812,095; June 30.
Hayward, John M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone card holder. 1,837,217; Dec. 22.
Hayward, Wilbur E., Los Nietos, Calif. Device for use on lathes or the like. 1,814,087; July 14.
Haywood, Hubert, Wirksworth, assignor to The Haywood Narrow Fabric Loom Company Limited, The Hague, Broadbottom, Chester, England. Driving gear and narrow fabric looms. 1,812,480; June 30.
Haywood, Hubert, Wirksworth, assignor to The Haywood Narrow Fabric Loom Company Limited, The Hague, Broadbottom, Chester, England. Loom reed motion and mechanism. 1,812,481; June 30.
Haywood, James B. (See Edwards, Osbert L., assignor.)
Haywood, John W., Bronx, New York, N. Y. Toy electric engine. 1,793,087; Feb. 17.
Haywood, John W., New York, N. Y., assignor to T. R. Brooks, Scranton, Pa. Directional signal. 1,827,289; Oct. 13.
Haywood Narrow Fabric Loom Company, The. (See Haywood, Hubert, assignor.)
Hazard, Charles S., Flushing, assignor to Neptune Meter Company, New York, N. Y. Meter housing. Des. 84,336; June 9.
Hazard, Charles S., Flushing, assignor to Neptune Meter Company, New York, N. Y. Meter housing. Des. 84,337; June 9.
Hazard, Frederick R. (See Caven, Trevor M., assignor.)
Hazard, George D., Chicago, Ill. Airship. 1,811,196; June 23.
Hazard, George E., assignor to Kellogg Manufacturing Co., Rochester, N. Y. Unloader. 1,823,398; Sept. 15.
Hazard, Theodore C., Rochester, N. Y. Apparatus for the control of industrial heat treatment processes. 1,804,378; May 5.
Hazard, William H., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Stuffing box. 1,798,158; Mar. 31.
Hazel-Atlas Glass Co. (See Algeo, Albert M., assignor.)
Hazel-Atlas Glass Co. (See Algeo, A. M., and Ross, assignors.)
Hazel-Atlas Glass Co. (See Algeo, A. M., Haub, and Ross, assignors.)
Hazel-Atlas Glass Co. (See Bowman, Samuel B., assignor.)
Hazel-Atlas Glass Co. (See Carnahan, John W., assignor.)
Hazel-Atlas Glass Company. (See Coleman, Thomas, jr., assignor.)
Hazel-Atlas Glass Co. (See Dawson, H. H., and Freese, assignors.)
Hazel-Atlas Glass Co. (See Freese, Ira H., assignor.)
Hazel-Atlas Glass Co. (See Freese, I. H., and Evans, assignors.)
Hazel-Atlas Glass Co. (See Greer, Everett S., assignor.)
Hazel-Atlas Glass Company. (See Kirkpatrick, John, assignor.)
Hazel-Atlas Glass Co. (See Miller, William J., assignor.)
Hazel-Atlas Glass Co. (See Spence, James E., assignor.)
Hazel-Atlas Glass Co. (See Stenhouse, Thomas, assignor.)
Hazel-Atlas Glass Company. (See Stenhouse, T. and D., assignors.)
Hazel-Atlas Glass Co. (See Williams, John J., assignor.)
Hazel-Atlas Glass Co. (See Wittman, Harry L., assignor.)
Hazell, Eardley. (See Cadwell, S. M., and Hazell.)
Hazell, Eardley. (See Gibbons, W. A., and Hazell.)
Hazelquist, Fred L., Stockton, Calif. Bread and cake box. 1,833,486; Nov. 24.
Hazeltine Corporation. (See MacDonald, W. A., and Johnston, assignors.)
Hazeltine Corporation. (See Murdock, William J., assignor.)
Hazeltine Corporation. (See Pressley, Jackson H., assignor.)
Hazeltine Corporation. (See Trube, Carl E., deceased, assignor.)
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Hazeltine, Louis A., Hoboken, N. J., assignor to General Electric Company. Method and apparatus for converting electric power. 1,803,184; Apr. 28.
Hazeltine, Louis A., Hoboken, N. J., assignor to General Electric Company. Method and apparatus for converting direct current into alternating current by electrostatically controlled oscillations. 1,835,156; Dec. 8.

Hazelton, Carl J., Worcester, Mass. Hose supporter. 1,830,698; Nov. 3.
Hazelton, Carl J., Worcester, Mass. Hose supporter. 1,832,548; Nov. 17.
Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 1,823,898; Sept. 22.
Hazen, Edson H., and G. P. Wellington, East Jaffrey, N. H. Expanding grapple. 1,814,037; July 14.
Hazen, Harold L. (See Crowley, A. J., and Hazen.)
Hazen, John N., assignor to Hazen Paper Company, Holyoke, Mass. Box covering paper or similar material. Des. 85,524; Nov. 10.
Hazen Paper Company. (See Hazen, John N., assignor.)
Hazleton Manufacturing Co. (See Markle, George B., jr., assignor.)
Hazlett, Clarence W. (See Hazlett, Kenneth C. and C. W.)
Hazlett, Kenneth C. and C. W., Santa Monica, Calif. Coupling. 1,805,580; May 19.
Hazlett, Raymond R., and W. J. Alexander, Linden, N. J. Electric soldering iron. 1,820,799; Aug. 25.
Hazlett, Raymond R., and W. J. Alexander, Linden, N. J. Electric soldering iron. 1,826,933; Oct. 13.
Hazlitt, Clark J., near Richmond, Ind. Angler packet. 1,824,481; Sept. 22.
Hazy, Lillie, New York, N. Y. Kitchen utensil. 1,804,099; May 5.
H'Doubler, Charles W., Racine, Wis. Electrically-driven sewing machine. 1,813,290; July 7.
Head, Ernest C., assignor to Gleason Works, Rochester, N. Y. Gear. 1,818,554; Aug. 11.
Head, Ernest C., assignor to Gleason Works, Rochester, N. Y. Cutter truing device. 1,836,662; Dec. 15.
Head, Francis. (See Head, Miriam C. and F.)
Head, Miriam C. and F., Newton Mass. Sport garment. 1,804,930; May 12.
Headley, Frederick H., Birmingham, England. Perambulator or the like. 1,817,513; Aug. 4.
Heafner, Lawson H., jr., Crouse, N. C. Aeroplane. 1,791,724; Feb. 10.
Heagney, John W., Midland, S. Dak. Collision guard for vehicles. 1,800,142; Apr. 7.
Heagney, Walter, Janesville, Wis., assignor, by mesne assignments, to Pen Desk Set Company. Desk set pencil holder. 1,801,310; Apr. 21.
Heald, Jay M., Greenfield, Mass. Method of and mechanism for adjusting mowing machines. 1,817,372; Aug. 4.
Heald Machine Company, The. (See Drake, A. M., and Hubbell, assignors.)
Heald Machine Company, The. (See Gallimore, Keith F., assignor.)
Heald Machine Company, The. (See Garno, G. E., and Engstrom, assignors.)
Heald Machine Company, The. (See Green, Frank W., assignor.)
Heald Machine Company, The. (See Guild, Waldo J., assignor.)
Heald Machine Company, The. (See Guild, W. J., and Burns, assignors.)
Heald Machine Company, The. (See Guild, W. J., Quimby, and Gibbs, assignors,)
Heald Machine Company, The. (See Heald, Roger N., assignor.)
Heald Machine Company, The. (See Jellicoe, Richard H., assignor.)
Heald Machine Company, The (See Kempton, H. E., and Gallimore, assignors.)
Heald Machine Company, The. (See Kempton, H. E., Gallimore, and Woytych, assignors.)
Heald Machine Company, The. (See Page, Dwight C., assignor.)
Heald Machine Company, The. (See Page, D. C., and Jellicoe, assignors.)
Heald Machine Company, The. (See Taylor, Edward M., assignor.)
Heald, Roger N., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,819,094; Aug. 18.
Heald, Roger N., and W. J. Guild, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,816,082; July 28.
Heales, George. (See Neall, Walter R., assignor.)
Healey, Earl B., Tampa, Fla. Automobile running board light. 1,830,899; Nov. 10.
Healey, Earl B., Tampa, Fla. Automobile running board light. 1,830,900; Nov. 10.
Healey, Francis J., London, England. Variable velocity ratio gearing. 1,817,819; Aug. 4.
Health Devices, Inc. (See Anderson, Hugh W., assignor.)
Health Products Corporation. (See Iscovesco, Henri, assignor.)
Healthometer Company. (See Weber, Mathias, J., assignor.)
Healy, Edwin S., et al. (See Malone, Adolph W., assignor.)
Healy, Eugene C., Melrose, and N. D. Whalen, Attleboro, Mass. Curtain pull. 1,822,146; Sept. 8.
Healy, Francis D., Newark, N. J. Flying machine. 1,829,350; Oct. 27.
Healy, Francis G., Arlington, Mass. Escalator. 1,832,204; Nov. 17.
Healy, John A., Pittsburgh, Pa. Welding composition. 1,796,329; Mar. 17.
Healy, John A., Langdon, Minn. Drinking fountain for poultry. 1,812,530; June 30.
Heames, Richard M., Grosse Pointe, Mich. Forming blanks. 1,829,397; Oct. 27.
Heames, Richard M., Grosse Pointe, and B. W. Lindquist, Detroit, Mich. Apparatus for heading blanks. 1,829,351; Oct. 27.
Heames, Richard M., Grosse Pointe, and H. Stark, Detroit, Mich. Heating device. 1,829,352; Oct. 27.
Heany Auto Transmission Company. (See Heany, John A., assignor.)
Heany, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Asbestos tape. 1,793,929; Feb. 24.
Heany, John A., New Haven, Conn., assignor by mesne assignments to Heany Auto Transmission Company. Transmission system. 1,794,613; Mar. 3.
Heany, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Asbestos tape and yarn and making the same. 1,828,112; Oct. 20.
Heany, John A., assignor to Sirian Lamp Company, New Haven, Conn. Electric light bulb and manufacturing same. 1,833,487; Nov. 24.
Heany, John A., New Haven, Conn., assignor to Sirian Lamp Company, Newark, N. J. Apparatus for manufacturing electric light bulbs. 1,833,488; Nov. 24.
Heany, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Apparatus for making paper. 1,836,467; Dec. 15.
Heap, Thomas, assignor of one-half to J. R. Ross, Yerington, Nev. Indicator switch. 1,789,548; Jan. 20.
Heap, Walter. (See Shaw, J. S., Watson, and Heap.)
Heard, Arthur M., et al., executors. (See Cogswell, Leander A.)
Heard, William H., Bideford, England. Clip for holding papers together. 1,815,774; July 21.
Heath, Albert, Chicago, Ill. Screen. 1,794,956; Mar. 3.
Heath, Cotto L., St. Petersburg, Fla. Collapsible core for concrete and other plastic works. 1,801,346; Apr. 21.
Heath, Delos P., Detroit, Mich. Refrigerator and refrigerating apparatus. Re18,253; Nov. 17.
Heath, Forrest A., Detroit, Mich. Carburetor. 1,792,495; Feb. 17.
Heath, Frederick T., Columbus, Ohio, assignor to The Heath Unit Tile Company, Tacoma, Wash. Building block and wall construction. 1,798,734; Mar. 31.
Heath, Frederick T., Columbus, Ohio, assignor to The Heath Unit Tile Company, Tacoma, Wash. Building block and wall construction. 1,798,735; Mar. 31.
Heath, Glenn P., Galesburg, Ill. Air cleaner. 1,796,946; Mar. 17.
Heath, Herbert R. (See Summers, B. S., and Heath.)
Heath, John F. (See Davis, William J., assignor.)
Heath, Miles E. (See Broudy, Celia and I., assignors.)
Heath, Sheldon B. (See Barstow, E. O., and Heath.)
Heath, Sheldon B., assignor to The Dow Chemical Company, Midland, Mich. Concentrating solutions of magnesium chloride. 1,789,385; Jan. 20.
Heath, Sheldon B., assignor to The Dow Chemical Company, Midland, Mich. Powdered metallic chloride and making same. 1,801,000; Apr. 14.
Heath, Sheldon B., assignor to The Dow Chemical Company, Midland, Mich. Crystallization process. 1,815,735; July 21.
Heath, Spencer, Elkridge, assignor to The American Propeller Company, Baltimore, Md. Propeller. 1,802,648; Apr. 28.
Heath, Spencer, Elkridge, assignor to The American Propeller Company, Baltimore, Md. Airscrew. 1,838,674; Dec. 29.
Heath Unit Tile Company, The. (See Heath, Frederick T., assignor.)
Heath, William C., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Metallic container. 1,790,919; Feb. 3.
Heath, William C., and F. G. Hobart, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill. Pump. 1,821,216; Sept. 1.
Heath, William S. G., Edgefield, S. C. Automobile tag securing and identification means. 1,816,254; July 28.
Heather, George B., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Button loop. 1,811,197; June 23.
Heather, George B., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Button loop. 1,811,198; June 23.
Heather, George B., assignor to The Wire Novelty Manufacturing Company, West Haven, Conn. Button loop. 1,820,068; Aug. 25.
Heathman, Edward M., assignor to F. O. Schoedinger, Columbus, Ohio. Water heater. 1,827,521; Oct. 13.
Heaton, Elsa G., Des Moines, Iowa. Egg candling and grading machine. 1,816,483; July 28.
Heaton, Herman C., and F. H. Armstrong, assignors to Link Belt Company, Chicago, Ill. Hydraulic clamp for rotary car dumpers. 1,821,217; Sept. 1.
Heaton, Herman C., Kenilworth, W. H. Neubeck and L. Reisfeld, Chicago, Ill., assignors to Sargent and Lundry, Incorporated. Pipe joint. 1,825,062; Sept. 29.
Heaton, Peter S., Earl's Court, London, assignor to Radiovisor Foreign & Colonial Limited, London, England. Controlling the illumination of light-sensitive bridges. 1,789,230; Jan. 13.

Heat Treating Company. (See Laird, Wilbur G., assignor.)
Heavens, Henry A., et al. (See Pehl, Andrew J., assignor.)
Heazlewood, Heber G., et al. (See Heazlewood, Heber G., assignor.)
Heazlewood, Heber G., Bendigo, Victoria, assignor of one-fourth to H. G. Heazlewood and one-half to J. H. Hunt, Bendigo, Australia. Self-setting bookmarker. 1,789,744; Jan. 20.
Hebb, John A., Hopwood, Pa. Coin control mechanism for vending machines or the like. 1,806,757; May 26.
Hebbeler, George W., St. Louis, Mo. Storage battery. 1,823,448; Sept. 15.
Hebden, John C., assignor to Dyeing Processes Corporation, New York, N. Y. Yarn holder. 1,789,231; Jan. 13.
Hebden, John C., assignor to Dyeing Processes Corporation, New York, N. Y. Dyeing apparatus. 1,789,745; Jan. 20.
Hebel, Fred, Chicago, Ill., assignor to Good Humor Corporation of America, Brooklyn, N. Y. Vending or sales booth. Des. 85,823; Dec. 22.
Hebeler, Edward S., Buffalo, N. Y. Carrier for spare wheels and tires. 1,808,983; June 9.
Hebeler, Edward S., Williamsville, N. Y. Defrosting apparatus. 1,819,510; Aug. 18.
Heberlein & Co., A. G. (See Bodmer, Albert, assignor.)
Heberlein & Co., A. G. (See Karrer, Paul, assignor.)
Heberlein, Georges, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Machine for processing fabric. 1,803,968; May 5.
Heberlein Patent Corporation. (See Fisch, Jacob, assignor.)
Heberlein Patent Corporation. (See Heberlein, Georges, assignor.)
Hebert, Felix J., Port Arthur, Tex. Automatic coaster. 1,794,709; Mar. 3.
Hebert, Helen B., San Diego, Calif. Doll. Des. 84,191; May 19.
Hebig, Henry C., Hoffmans, N. J., assignor to H. H. Boyce, Jericho, N. Y. Motor heat indicator. 1,811,468; June 23.
Hebler, William O., assignor to C. Engelhard, Inc., Newark, N. J. Gas analysis apparatus. 1,802,713; Apr. 28.
Hebner, Anna O., Los Angeles, Calif. Lady's hose supporter. 1,814,511; July 14.
Hebner, Arthur, Pontiac, assignor to General Motors Corporation, Detroit, Mich. Tire carrier. 1,798,939; Mar. 31.
Hechenbleikner, Ingenuin, Charlotte, N. C., assignor, by mesne assignments, to Chemical Construction Corporation. Manufacturing monophosphates of alkali metals and alkaline earths. 1,790,502; Jan. 27.
Hechenbleikner, Ingenuin, Charlotte, N. C., assignor, by mesne assignments, to Chemical Construction Corporation. Manufacture of ammonium phosphate. 1,790,503; Jan. 27.
Hechenbleikner, Ingenuin, Charlotte, N. C., assignor, by mesne assignments, to Chemical Construction Corporation. Apparatus for concentrating nitric acid. 1,818,711; Aug. 11.
Hechenbleikner, Ingenuin, and N. Titlestad, Charlotte, N. C., assignors, by mesne assignments, to Chemical Construction Corporation. Catalytic apparatus. 1,836,166; Dec. 15.
Hecht, Carl E. (See Mincemoyer, Charles E., assignor.)
Hecht, Jacob. (See Naisuler, S., and Hecht.)
Hecht, Joseph L., Davenport, Ia. Closure for receptacles. 1,793,930; Feb. 24.
Hecht, Joseph L., assignor, by mesne assignments, to French & Hecht, Inc., Davenport, Iowa. Locking device for rim-expanding wedges. 1,800,795; Apr. 14.
Hecht, Joseph L., Davenport, Iowa, assignor to French & Hecht, Incorporated. Tension wheel and making the same. 1,824,888; Sept. 29.
Hecht, Joseph L., Davenport, Iowa, assignor to French & Hecht, Incorporated. Making metal wheels. 1,831,661; Nov. 10.
Hechtenberg, Wilhelm. (See Herz, R., and Hechtenberg.)
Heck, Fred P., assignor to Da-Lite Screen & Scenic Co., Chicago, Ill. Motion-picture screen and frame. 1,800,627; Apr. 14.
Heck, Harry J., assignor to Warner Gear Company, Muncie, Ind. Shifter mechanism. 1,821,890; Sept. 1.
Heck, Jacob C., assignor, by mesne assignments, to The Da-Lite Screen Company, Inc., Chicago, Ill. Cinematograph screen. 1,819,776; Aug. 18.
Heck, John. (See Vogt, H., and Heck.)
Heck, John T., assignor, by mesne assignments, to Da-Lite Screen Company, Inc., Chicago, Ill. Motion picture screen frame. 1,820,739; Aug. 25.
Heck, John T., Oak Park, assignor, by mesne assignments, to The Da-Lite Screen Company, Inc., Chicago, Ill. Collapsible picture-screen. 1,832,705; Nov. 17.
Heck, William O., Trona, Calif. Oil burner. 1,838,397; Dec. 29.
Heckel, Wilhelm, Hamborn, Germany, assignor, by mesne assignments, to C. H. Ellsworth. Treating coal and like substances. 1,789,549; Jan. 20.
Heckendorn, Alphonse. (See Haller, R., and Heckendorn.)
Hecker, Emil G., assignor to Walter Fred Hosiery Mills, Inc., Nashville, Tenn. Hosiery. Des. 85,648; Dec. 1.
Heckert, Frederick W., near Dayton, Ohio. Fire extinguishing and burglar preventing means. 1,837,619; Dec. 22.
Heckert, Leon C., Bristol, assignor to Röhm & Haas Company, Philadelphia, Pa. Insecticide. 1,808,893; June 9.
Heckman, George E., Paloduro, Tex. Air current motor. 1,802,893; Apr. 28.
Heckman, George T., Cleveland, Ohio. Paddle wheel. 1,820,307; Aug. 25.
Heckman, Homer H., assignor to H. Hanna, Detroit, Mich. Electrode holder. 1,825,314; Sept. 29.
Heckman, Homer H., assignor to T. Heckman, Detroit, Mich. Goggles attachment. 1,825,615; Sept. 29.
Heckman, Joseph C., Avalon, Pa. Making pigments. 1,837,709; Dec. 22.
Heckman, Theophila. (See Heckman, Homer H., assignor.)
Heckman, William F., Newport, Ky. Self locking device. 1,831,001; Nov. 10.
Heckmann, Harry G., Binghamton, assignor to Central Flatiron Manufacturing Company, Johnson City, N. Y. Electric corn popper. Des. 83,326; Feb. 17.
Heckmann, Heinrich L. (See Ruhr, R., and Heckmann.)
Heco Envelope Company. (See Dusenbury, Walter A., assignor.)
Hedberg, Carl W. J. (See Wintermute, H. A., and Hedberg.)
Hedberg, Carl W. J., Middlesex Borough, N. J., and H. A. Wintermute, assignors to Research Corporation, New York, N. Y. Precipitator cleaning device. 1,794,074; Feb. 24.
Hedburg, Harry. (See Erskine, J. R., and Hedburg.)
Hedde, Marie C. R., assignor to firm: La Societe dite: Societe Nouvelle de Metallisation, Paris, France. Obtainment of decorative effects upon textile fabrics by brilliant metallic deposits. 1,817,311; Aug. 4.
Hedden, Ray G., Hollywood, Calif. Pressure regulator and cut-off. 1,789,746; Jan. 20.
Heddon, Charles and J. T. Welch, assignors to James Heddon's Sons, Dowagiac, Mich. Fish lure. 1,787,726; Jan. 6.
Heddon's James Sons. (See Heddon, C., and Welch, assignors.)
Hedeen, Elmer, assignor to C. F. Michael, Bucyrus, Ohio. Burial vault latch. 1,825,397; Sept. 29.
Hedenstrom, Earnest A. (See Ronning, A., Hedenstrom, and Ronning.)
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Supporting means for brakes. 1,810,210; June 16.
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Truck. 1,821,548; Sept. 1.
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Brake rigging. 1,836,245; Dec. 15.
Hedges, Albert E., Taunton, England. Lifting apparatus for motor cars or other vehicles. 1,823,449; Sept. 15.
Hedges, Frank L. (See Berry, F. C., and Hedges.)
Hedges, James E., Richmond, assignor of one-half to Hildrey Ferguson, South Richmond, Va. Battery terminal clamp. 1,814,156; July 14.
Hedges, Samuel H., Seattle, Wash. Foot garment. 1,798,201; Mar. 31.
Hedglon, Mead, assignor to M. L. Oberdorfer Brass Company, Syracuse, N. Y. Sump pump. 1,812,874; July 7.
Hedgpeth, Theron L., assignor of one-half to N. M. Barnhart, Oakland, Calif. Adjustable support for portable power saws. 1,828,043; Oct. 20.
Hedler, Georg, Arzberg, Germany. Plate or similar article. Des. 84,287; June 2.
Hedly, Arthur H., assignor to Ludlow Typograph Company, Chicago, Ill. Machine for making printers' leads, slugs, and rules. 1,800,938; Apr. 14.
Hedly, Arthur H., assignor to Ludlow Typograph Company, Chicago, Ill. Machine for making printer's leads, slugs, and rules. 1,806,257; May 19.
Hedman Manufacturing Company. (See Carlson, John W., assignor.)
Hedrick, Burl V., Salisburg, N. C. Rotary plow. 1,799,098; Mar. 31.
Hedrick, Gale H., Glenshaw, assignor to Gem Manufacturing Company, Pittsburgh, Pa. Automobile bumper. 1,805,284; May 12.
Hedstrom, Peter, Portland, Oreg. Parking device for automobiles. 1,833,288; Nov. 24.
Heene, George W., Cleveland, Ohio. Marking means. 1,814,312; July 14.
Heene, George W., Cleveland, Ohio. Mechanism for stamping machines. 1,835,706; Dec. 8.
Heer, Samuel. (See Straw, Edward F., assignor.)
Heer, Walter F., Bexley, Ohio. Temporary bookbinder. 1,806,057; May 19.
Heeren, Arthur A., assignor to United States Gypsum Company, Chicago, Ill. Tile. 1,787,447; Jan. 6.
Heerklotz, Max, assignor to Firm Simplo Fullfeder Gesellschaft Voss, Lausen & Dziambor, Hamburg, Germany. Closure for self-filling pens. 1,826,246; Oct. 6.
Heerwagen, Leo F., Fayetteville, Ark. Awning. 1,789,747; Jan. 20.
Heeter, Charles M., deceased, The Butler County National Bank & Trust Company, administrator, assignor to C. C. Heeter, J. W. Heeter, and I. H. Ketterer, Butler, Pa. Coupling. 1,832,024; Nov. 17.
Heeter, C. M., Sons & Company. (See Heeter, Colonel C., assignor.)

Heeter, Colonel C., et al. (See Heeter, Charles M., assignor.)
Heeter, Colonel C., assignor to C. M. Heeter Sons & Company, Inc., Butler, Pa. Bailer. 1,792,301; Feb. 10.
Heeter, Joseph W., Butler, Pa. Well appliance. 1,814,800; July 14.
Heeter, Joseph W., Butler, Pa. Well tool and making same. 1,822,400; Sept. 8.
Heeter, Joseph W., et al. (See Heeter, Charles M., assignor.)
Heffelfinger, Harlan W., et al. (See Heffelfinger, L. W., and Courtney, assignors.)
Heffelfinger, Leroy W., and L. J. Courtney, Chicago, Ill., assignors, by mesne assignments, to said Leroy W. Heffelfinger and L. J. Courtney, R. C. Heffelfinger, and H. W. Heffelfinger, Beatrice, Nebr. Bleeder attachment for air brakes. Re18,295; Dec. 22.
Heffelfinger, Ray C., et al. (See Heffelfinger, L. W., and Courtney, assignors.)
Heffernan Brush Company. (See Heffernan, William H., assignor.)
Heffernan, William H., assignor to Heffernan Brush Company, Inc., North Adams, Mass. Comber roll for combing raw cotton. 1,801,046; Apr. 14.
Heffley, Howard M., Omaha, Nebr. Gasoline and oil tank locked cap. 1,832,206; Nov. 17.
Hefter, Norman H., Chicago, Ill. Toy building structure. 1,800,628; Apr. 14.
Hefti, Wilhelm, assignor to the Firm of Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Ship propelled by internal combustion engines. 1,816,371; July 28.
Hefti, Wilhelm, assignor to the firm of Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Liner for the cylinders of reciprocating engines. 1,836,798; Dec. 15.
Heftler, Victor R., Detroit, Mich., assignor to Societe du Carburateur Zenith, Lyon, France. Carburetor. 1,814,804; July 14.
Heftler, Victor R., and H. B. Norris, assignors to Zenith-Detroit Corporation, Detroit, Mich. Carburetor. 1,806,348; May 19.
Hegan, Chester P., assignor to American Air Filter Company, Inc., Louisville, Ky. Air filter. 1,789,931; Jan. 20.
Hegan, Chester P., assignor, by mesne assignments, to American Air Filter Company, Inc., Louisville, Ky. Air filter. 1,807,984; June 2.
Hegan, Chester P., and W. B. Diecks, assignors, by mesne assignments, to American Air Filter Company, Inc., Louisville, Ky. Air or gas purifier. 1,807,983; June 2.
Hegel, George W., Altadena, assignor of one-half to T. D. Sexton, Los Angeles, Calif. Track system. 1,789,436; Jan. 20.
Hegeler Zinc Company, The. (See McCreary, Miller A., assignor.)
Hegelmann, Emil. (See Jänecke, E., Klippel, and Hegelmann.)
Hegenbarth, Francis, New Orleans, La., assignor to Fulton Iron Works Company, St. Louis, Mo. Sugar mill. 1,819,290; Aug. 18.
Hegg, Edward C., Buffalo, N. Y., assignor to Mojonnier Bros. Co. Wrapping machine paper feed mechanism. 1,829,515; Oct. 27.
Heggem, Alfred G., Tulsa, Okla. Stuffing box. 1,799,297; Apr. 7.
Heggem, Alfred G., Tulsa, Okla. Stuffing box. 1,803,471; May 5.
Heggie, James. (See Corrall, H., and Heggie.)
Heh, Albert P., Pittsburgh, Pa. Brick veneer. 1,831,662; Nov. 10.
Heghinian, Garabed G., Baltimore, Md. Molding press. 1,807,661; June 2.
Heghinian, Garabed G., assignor of one-half to W. W. Varney, Baltimore, Md. Liquid level gauge. 1,823,491; Sept. 15.
Heginbottom, Anna, et al., executors. (See Heginbottom, W. G., and Francis.)
Heginbottom, Walter G., assignor to Marvel Carbureter Company, Flint, Mich. Heat controlling means for charge forming devices. 1,801,918; Apr. 21.
Heginbottom, Walter G., assignor to Marvel Carbureter Company, Flint, Mich. Heat controlling means for charge forming devices. 1,801,919; Apr. 21.
Heginbottom, Walter G., assignor to Marvel Carburetor Company, Flint, Mich. Carburetor. 1,803,613; May 5.
Heginbottom, Walter G., and J. R. Francis, Flint, Mich., The Union Industrial Trust Company, and A. Heginbottom, executors of said W. G. Heginbottom, deceased. Heating means control for intake manifolds of internal combustion engines. 1,812,950; July 7.
Heglund, Gust, Constance, Minn. Scoop for potato diggers. 1,809,626; June 9.
Hegyes, Paul, Brooklyn, and J. Rosenfeld, New York, N. Y. Selective discharge faucet. 1,791,312; Feb. 3.
Hehemann, Frederick H., assignor to The Lunkenheimer Company, Cincinnati, Ohio. Valve and making same. 1,800,293; Apr. 14.
Hehemann, Frederick H., assignor to The Lunkenheimer Company, Cincinnati, Ohio. Strainer. 1,804,162; May 5.
Hehlgans, Friedrich W., Berlin-Hermsdorf, Germany, assignor to General Electric Company. Device for transforming electrical variations into sound variations. 1,814,801; July 14.
Hehn, Walter, Chicago, Ill. Combined stamping chase and palette. 1,817,142; Aug. 4.
Hehr, Frederick G., assignor to Aerol Engine Corporation, New York, N. Y. Oil engine. 1,798,260; Mar. 31.
Hei, Knut E. and M. E., Vining, Minn. Divider for cutter bars. 1,793,931; Feb. 24.
Hei, Martin E. (See Hei, Knut E. and M. E.)
Heiber, William G., Rochester, N. Y. Child's shoe. Des. 85,432; Oct. 27.
Heid, Charles M., Erie, Pa. Educational device. 1,838,942; Dec. 29.
Heid, Jacob B., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon-oil treatment. 1,799,231; Apr. 7.
Heid, Jacob, B., assignor to Universal Oil Products Company, Chicago, Ill. Fractionating column. 1,811,627; June 23.
Heid, Jacob B., assignor to Universal Oil Products Company, Chicago, Ill. Centrifugal fractionating apparatus. 1,839,097; Dec. 29.
Heidbreder, Herman H., assignor to The Quincy Stove Manufacturing Company, Quincy, Ill. Gas range. Des. 84,892; Aug. 18.
Heidbrink, Jay A., Minneapolis, Minn. Anæsthetizing apparatus. 1,802,601; Apr. 28.
Heidbrink, Jay A., Minneapolis, Minn. Anæsthetizing apparatus. 1,817,485; Aug. 4.
Heidbrink, Jay A., Minneapolis, Minn. Football game apparatus. 1,838,398; Dec. 29.
Heidbrink, Jay A., Minneapolis, Minn. Filtering attachment for anæsthetizing machines. 1,835,157; Dec. 8.
Heide, William A., Detroit Mich. Air-controlling means for carburetors. 1,789,652; Jan. 20.
Heideklang, Richard, Berlin, Germany. Puppet. 1,788,671; Jan. 13.
Heideman, Frederick J., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,791,499; Feb. 10.
Heiden, John A., Pittsburgh, Pa. Universal antifriction joint. 1,837,043; Dec. 15.
Heidenreich, Rudolf, Elberfeld, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New compounds of the benzanthraquinone series. 1,837,961; Dec. 22.
Heidenreich, Rudolf, Luverkusen-on-the-Rhine, W. Zerweck, and E. Honold, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Compounds of the anthanthrone series. 1,820,019; Aug. 25.
Heidenreich, Rudolf M. (See Zerweck, W., and Heidenreich.)
Heidenreich, Rudolf M., Elberfeld, Germany, assignor to to General Aniline Works, Inc., New York, N. Y. New compounds of the benzanthraquinone series. 1,804,870; May 12.
Heider, Henry J., Carroll, Iowa. Assembling wheels. 1,787,822; Jan. 6.
Heider, Henry J., Carroll, Iowa. Device for assembling wheels. 1,801,271; Apr. 21.
Heider, Henry J., Carroll, Iowa. Wagon tongue hound. 1,829,091; Oct. 27.
Heider, Henry J., Carroll, Iowa. Vehicle tongue coupling. 1,829,092; Oct. 27.
Heiermann, Hugo, Frankfort-on-the-Main, Germany. Wrist-pin construction. Re18,144; Aug. 4.
Heikens, Robert, Lake Forest, Ill. Dirigible headlight. 1,817,256; Aug. 4.
Heil Co., The. (See Eisenberg, Charles G., jr., assignor.)
Heil Co., The. (See Heil, J. F., and Gruber, assignors.)
Heil Co., The. (See Heil, J. P., and Eisenberg, assignors.)
Heil Co., The. (See Heil, J. P., and Landry, assignors.)
Heil Co., The. (See Thwaits, Frederick G., assignor.)
Heil, Joseph F., Milwaukee, and E. B. Gruber, Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Fluid hoist. 1,819,167; Aug. 18.
Heil, Julius P., and C. G. Eisenberg, jr., assignors to The Heil Co., Milwaukee, Wis. Mechanical hoist. 1,789,975; Jan. 27.
Heil, Julius P., and C. G. Eisenberg, jr., assignors to The Heil Co., Milkaukee, Wis. Horizontal hoist. 1,798,469; Mar. 31.
Heil, Julius P., Milwaukee, and G. L. Landry, West Allis, assignors to The Heil Co., Milwaukee, Wis. Telescopic fluid hoist. 1,819,168; Aug. 18.
Heil, Norman E., Paterson, N. J. Antiskid device. 1,803,552; May 5.
Heil, Rudolf, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New vat dyestuff of the dipyrazolanthrone series and making same. 1,804,531; May 12.
Heile, Harriet, Chicago, Ill. Lighting fixture. 1,799,899; Apr. 7.
Heilhecker, Eugene C., Bristol, R. I., assignor to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Combined sole and heel. Des. 85,333; Oct. 13.
Heilos, Henry C., Brooklyn, N. Y. Valve. 1,792,906; Feb. 17.
Heilpern, Josef, and F. G. Back, Vienna, Austria, assignors, by mesne assignments, to The Photor Corporation, New York, N. Y. Apparatus for taking photos of the cavities of the body. 1,828,140; Oct. 20.
Heilweil, Samuel, assignor to Frederick Westphal & Bro., New York, N. Y. Thread tensioner and lubricator. 1,800,253; Apr. 14.

Heilweil, Samuel, New York, assignor of one-half to A. Messer, and one-half to R. B. Messer, Brooklyn, N. Y. Doll-eye bulb. 1,805,823; May 19.
Heilweil, Samuel, assignor by direct and mesne assignments, to Jacob Schierer, New York, N. Y. Waterproof bather's case. 1,809,696; June 9.
Heilweil, Samuel, assignor to Abraham J. Passman, New York, N. Y. Stretching device for animal skins used for neck pieces. 1,833,609; Nov. 24.
Heim, Charles E., Kensington, Md. Combined poultry fence and feeder. 1,837,044; Dec. 15.
Heim, Gotthilf, Oberesslingern, Germany. Roll indenting machine. 1,832,207; Nov. 17.
Heim, William. (See Davis, R., and Heim.)
Heiman, Julius, Yonkers, N. Y. Device for hanging curtains. 1,811,082; June 23.
Heimann, Heinrich, and H.-B. Seebohm, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of iodates. 1,800,630; Apr. 14.
Heimann, Morris A., St. Louis, Mo. Garment hanger. 1,824,138; Sept. 22.
Heimberger, Harry T. (See Fay, O. J., Heimberger, and Pugh.)
Heimbold, Frank A., Atlantic Highlands, N. J. Emergency valve. 1,814,157; July 14.
Heimburger, Douglas D., St. Louis, Mo., assignor to Marquette Manufacturing Company, St. Paul, Minn. Car washing apparatus. 1,801,553; Apr. 21.
Heimerdinger, William G., Louisville, Ky. Combined hedge clipper and grass cutter. 1,827,149; Oct. 13.
Heimholtz, Arthur W. (See Ferrell, D., and Helmholtz.)
Heimrich, Joseph J., Kearny, N. J. Geometrical instrument. 1,797,827; Mar. 24.
Heimroth, Randolph, Maplewood, N. J. Butter handling device. 1,816,904; Aug. 4.
Hein, Adolph A., Bothell, and H. F. Smith, Seattle, Wash. Rat trap. 1,802,253; Apr. 21.
Hein, George N., San Francisco, Calif. Hypodermic syringe. 1,799,463; Apr. 7.
Hein, George N., San Francisco, Calif. Hypodermic syringe. 1,817,003; Aug. 4.
Heina, William M., Long Island City, N. Y., assignor by mesne assignments, to Transitone Automobile Radio Corporation, Philadelphia, Pa. Portable radio apparatus. 1,802,345; Apr. 28.
Heina, William M., Long Island City, N. Y., assignor to Transitone Automobile Radio Corporation, Philadelphia, Pa. Portable radio apparatus. 1,809,296; June 9.
Heina, William M., Long Island City, N. Y., assignor, by mesne assignments, to Transitone Automobile Radio Corporation, Philadelphia, Pa. Portable radio apparatus. 1,829,219; Oct. 27.
Heinbuch, George W., Toronto, Ontario, Canada., assignor to General Electric Company. Electric oven. 1,827,656; Oct. 13.
Heine, Charles A., et al. (See Cleveland, Charles H., assignor.)
Heine, Henry, Chicago, Ill. Lighting fixture. 1,818,252; Aug. 11.
Heine, Herman E. (See Mullett, H. A., and Heine.)
Heine, Herman E. (See Mullett, Howard A., and Heine.)
Heine, Martin, Schwelm/Westfalen, Germany. Traffic regulating sign. 1,811,546; June 23.
Heine, Walter G. R., Detroit, Mich. Hood lock. 1,805,042; May 12.
Heineke, Emil, Phoenix, Ariz. Surface moistener. 1,839,098; Dec. 29.
Heinel, Frank, assignor of forty-five per cent to C. A. Steinke. Clintonville, Wis. Portable supporting post. 1,833,463; Nov. 24.
Heinel, Harry A., New Castle, assignor to Wilmington Fibre Specialty Company, Wilmington, Del. Lamp guard. 1,829,927; Nov. 3.
Heineman, Herbert S., Los Angeles, Calif. Check protector for pens. 1,829,928; Nov. 3.
Heinemann, Alfred F., and A. Jensen, Phillips, Wis. Window-glass heater. 1,790,419; Jan. 27.
Heinemann, Arthur, administrator. (See Heinemann, Gernot W.)
Heinemann, Arthur, administrator. (See Heinemann, Gernot W. and A.)
Heinemann, Arthur. (See Heinemann, Gernot W., and A.)
Heinemann, Gernot W., deceased, Bellingham, Wash.; A. Heinemann, administrator. Boat construction. 1,837,710; Dec. 22.
Heinemann, Gernot W., deceased, and A. Heinemann, Whatcom, Wash.; A. Heinemann, administrator. Boat construction. 1,837,711; Dec. 22.
Heinemann, Karl, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Automatic firearm. 1,802,422; Apr. 28.
Heinemann, Karl, Dusseldorf, assignor to Rheinische Metallwaaren und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Automatic firearm. 1,825,904; Oct. 6.
Heinemann, Karl, Dusseldorf, assignor to Rheinische Metallwaaren-und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Automatic firearms. 1,818,890; Aug. 11.
Heinemann, Wilhelm, St. Georgen, Germany. Lathe having front and rear tool slides. 1,788,294; Jan. 6.
Heinen, Frederick C., K. J. Tobin, and A. Wasberg, assignors to Camel Company, Chicago, Ill. Car door. 1,809,697; June 9.
Heiner, Glen P., Salt Lake City, Utah. Cylinder. 1,788,950; Jan. 13.
Heinicke, Hermann, Dresden, Germany. Name plate. 1,792,982. Feb. 17.
Heiniger, John, Cleveland, Ohio. Safety shoe for ladders. 1,810,045; June 16.
Heinisch, Otto, Obrighoven, near Wesel, and A. Riedl, Fluren, near Wesel, Germany. Safety system for electric plants. 1,794,686; Mar. 3.
Heinitz, Woldemar, assignor to Schubert & Salzer Maschinenfabrik, Aktiengesellschaft, Chemnitz, Germany. Flat-knitting machine. 1,801,156; Apr. 14.
Heinitz, Woldemar, Chemnitz, assignor to Schubert & Salzer Maschinenfabrik, Aktiengesellschaft, Chemnitz, Germany. Knitting hosiery on flat knitting machines. 1,829,650; Oct. 27.
Heinkel, Ernst, Warnemunde, Germany. Airplane-launching track. 1,798,880; Mar. 31.
Heinkel, Ernst, Warnemunde, Germany. Appliance for airplane-launching tracks. 1,798,881; Mar. 31.
Heinkel, Ernst, Warnemunde, Germany. Starting device for flying machines. 1,798,940; Mar. 31.
Heinkel, Ernst, Warnemunde, Germany. Device for airplane-launching apparatus. 1,799,366; Apr. 7.
Heinkel, Ernst, Warnemunde, Germany. Airplane launching appparatus. 1,802,649; Apr. 28.
Heinle, Walter C., Willoughby, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Crane. 1,812,951; July 7.
Heinmiller, Samuel H., New Hampton, Iowa. Toothed drum for quack grass diggers and plows. 1,808,984; June 9.
Heinmuller, John P. V., assignor to A. Wittnauer Co., New York, N. Y. Watch dial or similar article. Des. 84,240; May 26.
Heinon, William P., Grasston, Minn. Weather strip. 1,787,523; Jan. 6.
Heinrich, Jean M., assignor to Societe Des Moteurs Salmson, Paris, France. Magneto electric machine. 1,817,410; Aug. 4.
Heinrich, Richard, Berlin-Sudende, Germany, assignor to Westinghouse Electric & Manufacturing Company. Electrical precipitator. 1,790,147; Jan. 27.
Heinrich, Robert, Racine, Wis. Metal cutting instrument. 1,831,447; Nov. 10.
Heinrich, Walter A., assignor to W. N. Matthews Corporation, St. Louis, Mo. Slack puller. 1,818,620; Aug. 11.
Heinrich & Winterling, Inc. (See Tauschek, Otto, assignor.)
Heins, Harry J., Jersey City, N. J., assignor to Kny-Scheerer Corporation, New York, N. Y. Water sterilizing filling device. 1,816,012; July 28.
Heinsman, Caleb B., Peoria, Ill. Valve. 1,796,201; Mar. 10.
Heintz, James C., Lakewood, Ohio. Apparatus for retreading tires. 1,810,963; June 23.
Heintz & Kaufman, Ltd. (See Heintz, Ralph M., assignor.)
Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Current transformer. 1,807,985; June 2.
Heintzelman, James A., Sunbury, Pa. Electrically heated soldering iron. 1,829,929; Nov. 3.
Heiny, Matthew M., and I. R. Smith, Haxtun, Colo. Chain repairing tool. 1,806,682; May 26.
Heinz, Arthur A., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Breather and overflow device. 1,816,580; July 28.
Heinz, Hans, Willingen, assignor to Kienzle Uhrenfabriken Aktiengesellschaft, Schwenningen, Germany. Fare indicator. 1,796,653; Mar. 17.
Heinz, Wm. J. M., et al. (See Drennon, William M., assignor.)
Heinze, John O., Detroit, Mich. Motor vehicle. 1,808,109; June 2.
Heinze, Walter W., Chicago, Ill. Spacing instrument. 1,797,551; Mar. 24.
Heinzelmann, Alphonse A., assignor to Bludalk, Inc., New York, N. Y. Variable speed transmission. 1,809,123; June 9.
Heinzman, Robert C., Cincinnati, Ohio. Drum-coating machine. 1,787,524; Jan. 6.
Heise, Albert, Chicago, Ill. Ash tray. 1,830,543; Nov. 3.
Heise, George W. Malverne, N Y., assignor to National Carbon Company, Incorporated. Dry cell and making the same. 1,788,870; Jan. 13.
Heise, George W., Malverne, N. Y., assignor to National Carbon Company, Incorporated. Primary cells and electrolyte therefor. 1,835,867; Dec. 8.
Heise, George W., Lakewood, Ohio, assignor to National Carton Company, Inc. Preparing depolarizing mixtures. 1,801,743; Apr. 21.
Heise, George W., Lakewood, Ohio, assignor to National Carbon Co., Inc. Electric cell. 1,815,508; July 21.
Heise, George W., Lakewood, Ohio, assignor to National Carbon Company, Inc., Galvanic cell. 1,835,868; Dec. 8.
Heise, George W., Bayside, and E. A. Schumacher, Brooklyn, N. Y., assignors to National Carbon Company, Inc. Dry cell and lining therefor. 1,808,410; June 2.
Heise, Otto W., Bridgeport, Conn., assignor, by mesne assignments, to Consolidated Ashcroft Hancock Company, New York, N. Y. Differential indicator. 1,791,240; Feb. 3.

Heise, Otto W., Bridgeport, Conn., assignor, by mesne assignments, to Consolidated Ashcroft Hancock Company, New York, N. Y. Controlling apparatus. 1,809,898; June 16.
Heise, Otto W., Bridgeport, Conn., assignor to Consolidated Ashcroft Hancock Company, New York, N. Y. Gauge adjusting means. 1,835,044; Dec. 8.
Heise, Roscoe S., Dayton, Ohio. Oven construction. 1,815,312; July 21.
Heise, Roscoe S., Dayton, Ohio. Removable heating unit. 1,831,110; Nov. 10.
Heiser, Henry C., Fairview Village, assignor to The Astrup Company, Cleveland, Ohio. Adjustable awning arm. 1,816,013; July 28.
Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Directive transmission of energy. 1,788,022; Jan. 6.
Heising, Raymond A., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Short-wave amplifying system. 1,788,521; Jan. 13.
Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radio transmission system. 1,795,858; Mar. 10.
Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric wave translation system. 1,808,894; June 9.
Heising, Raymond A., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio receiving system. 1,813,923; July 14.
Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave transmitting and amplifying. 1,823,322; Sept. 15.
Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,823,360; Sept. 15.
Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. System for frequency translation of electric waves. 1,823,687; Sept. 15.
Heising, Raymond A., Milburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezo electric oscillator. 1,827,196; Oct. 13.
Heising, Raymond A., Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N.Y. Oscillation circuits. 1,828,498; Oct. 20.
Heising, Raymond A., Millburn, and J. P. Kendall, Cranford, N. J. Indicating system. 1,832,116; Nov. 17.
Heising, Raymond A., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio signaling system. 1,836,594; Dec. 15.
Heisinger, Wilhelm, Berlin-Zehlendorf, Germany, assignor to Remington Rand Inc., Buffalo, N. Y. Sheet-holding attachment for card-index trays. 1,799,367; Apr. 7.
Heisinger, Wilhelm H., Berlin-Zehlendorf, Germany, assignor to Remington Rand Inc., Buffalo, N. Y. Protective strip for cards. 1,835,987; Dec. 8.
Heisinger, Wilhelm H., Berlin-Zehlendorf, Germany, assignor to Remington Rand Inc., Buffalo, N. Y. Protective strip for record cards. 1,835,988; Dec. 8.
Heisler, Charles L., Schnectady, N. Y., assignor to General Electric Company. Apparatus for reproducing sound from film records. 1,793,399; Feb. 17.
Heisler, Charles L., Schenectady, N. Y., assignor to General Electric Company. Film driving. 1,808,551; June 2.
Heisler, Charles L., Schenectady, N. Y., assignor to General Electric Company. Motion picture sound apparatus. 1,823,737; Sept. 15.
Heisler, Charles L., Schenectady, N. Y., assignor to General Electric Company. Film driving mechanism. 1,831,562; Nov. 10.
Heisler, Charles L., Schenectady, N. Y., assignor to General Electric Company. Sound reproducing apparatus. 1,839,151; Dec. 29.
Heisler, Frederick W., Schenectady, N. Y. Support for middle guides of locomotives. 1,793,088; Feb. 17.
Heisser, Karl, Elizabeth, N. J. Rope and cord tightening device. 1,832,388; Nov. 17.
Heistand, Charles K., Epworth, Mo. Combined coin holder and letter clamp. 1,808,601; June 2.
Heitger, Frank H., Flint, Mich. Choke operating means for carburetors. 1,811,011; June 23.
Heitger, Frank H., Flint, Mich. Carburetor. 1,821,014; Sept. 1.
Heitger, Frank H., Flint, Mich. Carburetor. 1,838,675; Dec. 29.
Heitger, Frank H., Flint, Mich. Carburetor. 1,838,676; Dec. 29.
Heitmann, Arthur C., Oakwood, Ohio. Attaching lintels to concrete spandrels. 1,807,405; May 26.
Heitmüller, Karl, Gottingen, Germany. Dental suction plate. 1,795,025; Mar. 3.
Heitsmith, William J. (See Friend, O. A., and Heitsmith.)
Heitz, Frank F., Dayton, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,812,633; June 30.
Heitzig, Frederick F., Fieldon, Ill. Circle divider. 1,808,110; June 2.
Hektner, Joel, assignor to The Timken Roller Bearing Company, Canton, Ohio. Flexible journal box mounting. 1,822,347; Sept. 8.
Helander, Lillian V. M., assignor to Oneida Community Limited, Oneida, N. Y. Spoon or similar article. Des. 84,933; Aug. 25.
Helbig, Paul. (See Muentener, C., and Helbig.)
Helbling, Clarence W., Black River Falls, Wis. Ratchet wrench. 1,808,350; June 2.
Held, Max O., Milwaukee, Wis. Casting machine. 1,810,173; June 16.
Held, Siegfried, Chicago, Ill. Switch. 1,818,132; Aug. 11.
Held, Theodor, assignor to the Firm Ringfeder G. m. b. H., Uerdingen, Germany. Friction spring. 1,816,325; July 28.
Heldenbrand, Carl H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Mobile runway. 1,837,866; Dec. 22.
Hele-Shaw, Henry S., assignor to Victaulic Company Limited, London, England. Pipe joint. 1,808,262; June 2.
Hele-Shaw, Henry S., and J. A. Pickard, London, England. Filtration. 1,823,171; Sept. 15.
Hele-Shaw, Henry S., and T. E. Beacham, London, England. Hydraulically operated variable pitch air screw. 1,829,930; Nov. 3.
Helf, George, Milwaukee, Wis. Gas regulator. 1,816,431; July 28.
Helfant, Henry, Arverne, N. Y. Shoe buckle connecting means. 1,805,398; May 12.
Helfenbein, Harry, Cleveland, Ohio. Ash sifter. 1,803,112; Apr. 28.
Helfer, Daniel, assignor to the firm Carl Zeiss, Jena, Germany. Line mark for optical measuring instruments. 1,836,167; Dec. 15.
Helfrich, John, Westfield, N. J., assignor to Star Company, New York, N. Y. Photographic resist or film. 1,833,161; Nov. 24.
Helgason, Arni, and Nich Knuth, assignors to Chicago Transformer Corporation, Chicago, Ill. Transformer shield or casing. 1,799,790; Apr. 7.
Helgeby, Ralph O., assignor to A C Spark Plug Company, Flint, Mich. Ratchet-driven odometer. 1,788,871; Jan. 13.
Helgeby, Ralph O., assignor to A C Spark Plug Company, Flint, Mich. Jewel plate for speedometers. 1,788,872; Jan. 13.
Helgeby, Ralph O., assignor to A C Spark Plug Company, Flint, Mich. Odometer-reset mechanism. 1,798,942; Mar. 31.
Helgeby, Ralph O., assignor to A C Spark Plug Company, Flint, Mich. Speedometer temperature compensator. 1,816,581; July 28.
Helgeby, Ralph Olaf, assignor to A C Spark Plug Company, Flint, Mich. Ratchet-driven odometer mechanism. 1,798,941; Mar. 31.
Helgeson, Thomas A., Gypsumville, Manitoba, Canada. Anti-side-skid lug. 1,829,859; Nov. 3.
Helin, Alfred F. (See Valentine, C. W., and Helin.)
Helin, Elis, Liljeholmen, Stockholm, Sweden. Manufacturing curve threaded nuts and means therefor. 1,812,205; June 30.
Helin, Elis, Stockholm, Sweden. Curve threaded nut. 1,812,785; June 30.
Helin, Elis, assignor to Carl Kindstrom, Stockholm, Sweden. Producing curve-threaded nuts. 1,812,147; June 30.
Helium Company, The. (See Bottoms, Robert R., assignor.)
Helland, Herman H., Fargo, N. D. Door register. 1,804,871; May 12.
Helland, Martin, Tacoma, Wash. Cup-cake dropping machine. 1,828,565; Oct. 20.
Helland, Sigurd H., assignor to Whitin Machine Works, Whitinsville, Mass. Detaching roll motion. 1,818,555; Aug. 11.
Helland, Sigurd H., assignor to Whitin Machine Works, Whitinsville, Mass. Twister head traversing motion for wool spinning machines. 1,838,483; Dec. 29.
Helle, Carl, assignor to Elektrische Löt- und Schweiss-Gesellschaft mit beschränkter Haftung, Brunswick, Germany. Soldering apparatus. 1,802,079; Apr. 21.
Helle, Carl, assignor to Elektrische Löt-und Schweiss-Gesellschaft mit beschrankter Haftung, Brunswick, Germany. Electrically heated soldering iron. 1,813,161; July 7.
Helle, Carl, assignor to Elektrische Lot- und Schweitz-Gesellschaft mit beschrankter Haftung, Brunswick, Germany. Soldering apparatus. 1,816,115; July 28.
Helle, Warren W., Hinsdale, assignors to Durkee Famous Foods, Inc., Chicago, Ill. Mixing and forming device. 1,836,026; Dec. 15.
Heller Brothers Company. (See Anheuser, Ernest A., assignor.)
Heller, Ferdinand. (See Boettger, Charles E., assignor.)
Heller, Herbert J. (See Steindorff, U. F. L., and Heller.)
Heller, Lewis W., Oak Harbor, Ohio, assignor to Fuller Lehigh Company, Fullerton, Pa. Boiler furnace. 1,827,197; Oct. 13.
Heller, Lewis W., Oak Harbor, Ohio, assignor to Fuller Lehigh Company, Fullerton, Pa. Furnace wall. 1,830,655; Nov. 3.
Heller, Oswald, Wilmersdorf, near Berlin, assignor to Bamag-Meguin Aktiengesellschaft, Berlin, Germany. Distillation process and apparatus therefor. 1,796,100; Mar. 10.
Heller, Paul C., La Lima, Honduras. Engine. 1,824,081; Sept. 22.
Heller, Walther, assignor to J. M. Voith, Heidenheim-on-the-Brenz, Germany. Arrangement of wet presses on paper and board making machinery. 1,810,964; June 23.

Heller, William A., Lancaster, Pa. Headlight attachment. 1,797,469; Mar. 24.
Heller, William F., Richmond Hill, assignor to Loft, Inc., Long Island City, N. Y. Distributing apparatus for fondant, cream, and other confections. 1,796,928; Mar. 17.
Hellermann, August, Dusseldorf-Oberkassel, assignor to the firm Gesellschaft fur Wirtschaftlichen Bahnoberbau m. b. H., Freiburg, Germany. Railway or tramway rail joint. 1,838,064; Dec. 22.
Helling, Charles, Milwaukee, Wis. Finishing and polishing tool. 1,794,015; Feb. 24.
Hellman, Ernest R., assignor to Superior Piston Ring Company, Detroit, Mich. Machine for placing rings in envelopes. 1,794,517; Mar. 3.
Hellman, Ernest R., Detroit, Mich. Piston ring. 1,836,027; Dec. 15.
Hellman, Harry A. (See Mussey, W. H., and Hellman.)
Hellmann, Heinrich, Ludenscheid, Germany. Production of flap sliding. 1,795,559; Mar. 10.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay system for high-speed circuit breakers. 1,821,342; Sept. 1.
Hellmund, Rudolf, Swissvale, and R. C. Dickinson, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Vacuum circuit breaker. 1,835,596; Dec. 8.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Inductively heated cathode. 1,836,966; Dec. 15.
Hellrich, Oscar, New York, N. Y. Valve controlled life preserver. 1,811,847; June 30.
Hellström, Nils J. E., Trollhattan, Sweden. Fuel injecting device for internal combustion engines. 1,833,748; Nov. 24.
Hellweg, Henry, assignor to Helzen Corporation, Milwaukee, Wis. Moistener. 1,802,602; Apr. 28.
Hellwig, Carl, Cali, Colombia. Automatic railway car coupling. 1,810,830; June 16.
Helm, Max, Berlin-Niederschonhausen, and S. Giers, Berlin-Pankow, Germany, assignors to General Electric Company. Gear backlash compensator. 1,796,992; Mar. 17.
Helma, Paul. (See Arnstein, K., and Helma.)
Helma, Paul. (See Arnstein, K., Helma, and Bauch.)
Helma, Paul. (See Bauch, K., and Helma.)
Helman, Barney W., near Indianapolis, Ind. Automobile door window. 1,829,747; Nov. 3.
Helme, George W., Company. (See Flynn, John C., assignor.)
Helmer, Philip E., and E. J. Massicotte, Pinconning, Mich. Automatic control for aircraft. 1,834,399; Dec. 1.
Helmer, William J., Fort Kameehameha, Hawaii. Panoramic drawing board. 1,812,264; June 30.
Helmers, Henry H., Doon, Iowa. Self feeder construction. 1,822,289; Sept. 8.
Helmholtz, Arthur W. (See Ferrell, D., and Helmholtz.)
Helmling, George A., Pampa, Tex. Pump. 1,808,985; June 9.
Helmlinger, Remi, Tuttlingen, Germany, assignor to Alfonse Moosbruger, Syracuse, N. Y. Oscillating gas engine. 1,802,650; Apr. 28.
Helmke, Fredrich D., Pratt, Kans. Tractor hitch. 1,839,099; Dec. 29.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,799,900; Apr. 7.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,823,450; Sept. 15.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,830,058; Nov. 3.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,834,522; Dec. 1.
Helmond, William F., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,835,776; Dec. 8.
Helmond, William F., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,836,117; Dec. 15.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,837,363; Dec. 22.
Helms, Harry W., assignor to Highway Trailer Company, Edgerton, Wis. Cover for dump-body vehicles. 1,798,736; Mar. 31.
Helms, John H., Fortville, Ind. Grinding machine. 1,835,045; Dec. 8.
Helmstaedter, John G., and F. J. Schilling, Newark, N. J. Temperature regulator. 1,813,401; July 7.
Helsel, George W., Columbus, Ohio. Fruit gatherer. 1,801,272; Apr. 21.
Helsel, Reuben H., Long Island City, assignor, by mesne assignments, to General Register Corporation, Brooklyn, N. Y. Check punching and issuing machine. 1,797,771; Mar. 24.
Helsley, Virginia, New York, N. Y., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Bracket member for bathroom fixtures. Des. 83,534; Mar. 3.
Heltzel, Joseph W., Warren, Ohio. Road building apparatus. 1,804,337; May 5.
Heltzel, Joseph W., assignor to The Heltzel Steel Form and Iron Company, Warren, Ohio. Belting device. 1,817,687; Aug. 4.
Heltzel Steel Form and Iron Company, The. (See Heltzel, Joseph W., assignor.)
Helvern, Albert J., Springfield, Ohio. Demountable rim. 1,836,922; Dec. 15.
Helwert, Fritz. (See Bruck, W., and Helwert.)
Helwig, Anna, St. Paul, Minn. Metal shear and wire cutter. 1,836,967; Dec. 15.
Helwig, Edward L., Bristol Township, Bucks County, Pa. Production of thiocyano derivatives. 1,816,848; Aug. 4.
Helwig, Oliver K., assignor to General Motors Corporation, Detroit, Mich. Apparatus for sewing, measuring, and cutting of wind-hose bindings and the like. 1,800,629; Apr. 14.
Helwith, Alfred L., Larchmont, N. Y. Fabric. 1,822,889; Sept. 15.
Helzen Corporation. (See Hellweg, Henry, assignor.)
Hem, Halvor O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Scale lever. 1,790,862; Feb. 3.
Hem, Halvor O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing and counting scale. 1,829,516; Oct. 27.
Hem, Halvor O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,837,548; Dec. 22.
Hemeke, Theodore. (See Brassard, Friedrich A., assignor.)
Hemerka, Benjamin, Shamokin, Pa. Muffler. 1,790,375; Jan. 27.
Hemingray Glass Company. (See Bilby, Ernest E., assignor.)
Hemingray Glass Company. (See Zimmerman, Willard P., assignor.)
Hemington, Joseph P., Philadelphia, Pa. Distant liquid level indicating apparatus. 1,823,377; Sept. 15.
Hemingway, Henry J., and W. A. Weidlich, Bound Brook, N. J. Pigmented lacquer base. 1,798,840; Mar. 31.
Hemingway, Wilson, jr. (See Andrew, F. W., and Hemingway.)
Hemingway, Wilson, jr., Philadelphia, Pa., assignor to The Electrolock Manufacturing Company, Vicksburg, Miss. Connecting conducting wires to timer distributors. 1,796,947; Mar. 17.
Hemmer, Peter J., New York, N. Y., and H. Waneck, North Bergen, N. J. Toy cannon. 1,800,069; Apr. 7.
Hemmerich, Hugo, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 84,698; July 21.
Hemmerich, Hugo, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Knitted fabric. Des. 85,453; Oct. 27.
Hemmerich, Hugo, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Knitted fabric. Des. 85,454; Oct. 27.
Hemmerich, Hugo, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Knitted fabric. Des. 85,455; Oct. 27.
Hemmerich, Hugo, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Knitted fabric. Des. 85,506; Nov. 3.
Hemmerich, Hugo, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Fabric cleaning mechanism. 1,809,122; June 9.
Hemmerich, Hugo, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Hosiery turning and inspecting form. 1,811,049; June 23.
Hemmerly, Joseph H. (See Scheu, W. C., and Hemmerly.)
Hemming, Daniel W., Woodcliff, N. J., assignor to The Signature Company, New York, N. Y. Machine for writing a plurality of signatures. 1,802,651; Apr. 28.
Hemmingsen, Torkild V., Copenhagen, Denmark. Filter for fine filtering of fluids, especially fuel oils. 1,802,423; Apr. 28.
Hemmingsen, Torkild V., Copenhagen, Denmark. Internal combustion engine. 1,803,250; Apr. 28.
Hemmingsen, Torkild V., Copenhagen, Denmark. Scavenging for two-stroke internal combustion engines. 1,823,399; Sept. 15.
Hemp, Paul L., Winona, Minn. Massaging machine. 1,827,874; Oct. 20.
Hempel, Albert, Leipzig-Oetzsch, Germany. Manufacture of phenols. 1,720,274; Aug. 25.
Hempel, Albert, Leipzig-Oetzsch, Germany. Manufacture of phenolates. 1,808,722; June 2.
Hempel, Arno, Chicago, Ill. Lighting fixture. Des. 83,536; Mar. 3.
Hemphill Company. (See Bosworth, George P., assignor.)
Hemphill Company. (See Gagné, Augustin, assignor.)
Hemphill Company. (See Jones, Frank E., assignor.)
Hemphill Company. (See Lawson, John and R. H., assignors.)
Hemphill Company. (See Lawson, R. H., and Cloutier, assignors.)
Hemphill Company. (See Lawson, Robert H., assignor.)
Hemphill Company. (See Stewart, Albert E., assignor.)
Hemphill Company. (See Taubel, Clarence H., assignor.)
Hemphill, Manley P., Los Angeles, Calif. Vehicle spring. 1,829,280; Oct. 27.
Hemphill, Matt R., Graham, Tex. Bailer. 1,787,624; Jan. 6.
Hempstead, George A., assignor to The National Brass & Copper Co., Lisbon, Ohio. Annealing sheet copper. 1,819,291; Aug. 18.
Hemstock, Clifford H., East Haven, Conn. Automatic switch control for vehicle signal lights. 1,794,852; Mar. 3.
Hénaux, Jeanne, executrix. (See Vedovelli, Edouard.)

Hencken, John K., Brooklyn, N. Y. Cleaning apparatus. 1,796,458; Mar. 17.
Hencken, John K., Brooklyn, N. Y. Soaking drum and conditioning same for use. 1,823,451; Sept. 15.
Hendee, Lem E., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Electrical appliance. 1,823,977; Sept. 22.
Hendel, Hyman, Brooklyn, N. Y. Necktie. 1,798,086; Mar. 24.
Henderson, Albert E., Toronto, Ontario, Canada. Aeroplane and controlling means therefor. 1,798,325; Mar. 31.
Henderson, Albert, assignor to Henderson and Hatcher, Inc., Pittsburgh, Pa. Railway track system. 1,820,911; Sept. 1.
Henderson, Albert, assignor to Henderson & Hatcher, Inc., Pittsburgh, Pa. Making cementitious articles. 1,835,158; Dec. 8.
Henderson, Andrew, Teddington, and Harry P. H. Anderson, Tolworth Surbiton, England. Reduction speed gear. 1,802,112; Apr. 21.
Henderson, Charles D., Walkerville, Ontario, Canada. Rivet catcher. 1,837,045; Dec. 15.
Henderson, Charles R. (See Lochhead, Elmer C., assignor.)
Henderson, Curtis L., Wichita, Kans. Oil refining. 1,828,466; Oct. 20.
Henderson, Ellis W. (See Reynolds, J. L., and McKelvey, assignors.)
Henderson, Ellis W., Charlotte, N. C. Assembling machine. 1,829,651; Oct. 27.
Henderson, Fred A., Creston, Iowa. Mop attachment for brooms. 1,804,504; May 12.
Henderson, George C., Detroit, Mich. Monorail trolley. 1,801,001; Apr. 14.
Henderson, George C., Detroit, Mich. Monorail track. 1,811,270; June 23.
Henderson and Hatcher, Inc. (See Henderson, Albert, assignor.)
Henderson, Herbert. (See Prichard, G. L., and Henderson.)
Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Automobile filler cap or similar article. Des. 83,535; Mar. 3.
Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Automobile filler cap. Des. 83,610; Mar. 10.
Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Radiator shell. Des. 83,675; Mar. 17.
Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Automobile filler cap or similar article. Des. 83,806; Mar. 31.
Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Automobile filler cap or similar article. Des. 83,807; Mar. 31.
Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Sun visor. Des. 85,241; Sept. 29.
Henderson, Herbert V., assignor to Chrysler Corporation, Detroit, Mich. Supporting bracket. 1,805,364; May 12.
Henderson, Hiram L., Syracuse, N. Y. Dry kiln. 1,829,139; Oct. 27.
Henderson, James B., Blackheath, England. Connection between gyroscope or other sensitive element and its follower. 1,797,913; Mar. 24.
Henderson, James B., Blackheath, England. Apparatus for integrating accelerations. 1,813,493; July 7.
Henderson, James B., Blackheath, England. Golf club and home practicing device. 1,817,896; Aug. 4.
Henderson, James B., Blackheath, England. Gyroscopic apparatus. 1,831,597; Nov. 10.
Henderson, James B., Blackheath, England. Gyrocompass. 1,831,598; Nov. 10.
Henderson, James B., Blackheath, England. Gyroscopic instrument and apparatus. 1,834,341; Dec. 1.
Henderson, James W., Niagara Falls, N. Y. Storage garage. 1,804,338; May 5.
Henderson, Jesse T., Lawrence, Kans. Built-in arch for footwear. 1,792,838; Feb. 17.
Henderson, John L., Boone Grove, Ind. Internal combustion engine. 1,827,006; Oct. 13.
Henderson, Joseph M., assignor to Burgess Battery Company, Madison, Wis. Dip for dry cell cores. 1,836,847; Dec. 15.
Henderson, Lawrence M., Narberth, and H. C. Cowles, jr., assignors to The Atlantic Refining Company, Philadelphia, Pa. Sweetening petroleum distillates. 1,815,563; July 21.
Henderson, Samuel G., Colton, S. Dak. Hay sling. 1,796,520; Mar. 17.
Henderson, Simon H., and A. G. Burch, Sedgewick, Alberta, Canada. Grain-car door. 1,799,232; Apr. 7.
Henderson, Thomas L., and W. Kelley, Los Angeles, Calif., assignors, by mesne assignments, to Filtrol Company of California. Manufacture of adsorbent clay. 1,800,687; Apr. 14.
Henderson, Thomas W. (See Elliott, Henry L., assignor.)
Henderson, Walter C., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Machine for making compresses. 1,802,814; Apr. 28.
Henderson, Warner L. (See King, J. S., and Henderson.)
Henderson, Wilbert D., San Francisco, Calif. Studding shoe. 1,801,668; Apr. 21.
Henderson, Wilbert D., San Francisco, Calif. Partition-stud clamp. 1,811,391; June 23.
Henderson, William. (See McMann, Warren R., assignor.)
Henderson, William A. (See Hershey, O. S., Van Sickel, and Henderson.)
Hendey Machine Company, The. (See Bouillon, Constant, assignor.)
Hendrick, Joseph H., Oakland, Ky. Cutting device. 1,805,399; May 12.
Hendricks, Benjamin A., Seattle, Wash. Fuel oil heater. 1,806,942; May 26.
Hendricks, Murray P., Wheeling, W. Va. Calculating device. 1,803,185; Apr. 28.
Hendricks, Semeon B., Rockford, Ill., assignor, by mesne assignments, to J. I. Case Company, Racine, Wis. Disk plow. 1,819,292; Aug. 18.
Hendricks, Simeon B., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Earth working implement. 1,802,556; Apr. 28.
Hendricks, Simeon B., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Multiple tractor hitch for farm implements. 1,836,168; Dec. 15.
Hendrickson, Abram A., jr., Hackensack, N. J. Exerciser. 1,832,633; Nov. 17.
Hendrickson, Casimir R., North East, Pa. Clothes bar. 1,835,869; Dec. 8.
Hendrickson, Claud A., Denver, Colo. Ventilating fan. 1,825,114; Sept. 29.
Hendrickson, C. W. (See Wysong, Stewart, assignor.)
Hendrickson, Fred K., Worcester, assignor to Whitin Machine Works, Whitinsville, Mass. Spindle-stopping mechanism for spinning or twisting machines. 1,790,815; Feb. 3.
Hendrickson, Fred K., Worcester, assignor to Whitin Machine Works, Whitinsville, Mass. Spindle driving mechanism. 1,803,186; Apr. 28.
Hendrickson, Fred K., Worcester, assignor to Whitin Machine Works, Whitinsville, Mass. Yarn separator. 1,817,143; Aug. 4.
Hendrickson, Fred K., Worcester, assignor to Whitin Machine Works, Whitinsville, Mass. Spindle for spinning or twisting machines. 1,817,144; Aug. 4.
Hendrickson, Leo B., assignor to Union Steam Pump Company, Battle Creek, Mich. Air filter. 1,805,824; May 19.
Hendrickson, Robert O., assignor to J. I. Case Company, Racine, Wis. Tractor. 1,793,482; Feb. 24.
Hendrickson, Robert O., assignor to J. I. Case Company, Racine, Wis. Tractor cultivator. 1,799,368; Apr. 7.
Hendrickson, Robert O., assignor to J. I. Case Company, Racine, Wis. Curtain device for radiators. 1,823,141; Sept. 15.
Hendrickson, Robert O., assignor to J. I. Case Company, Racine, Wis. Drawbar for tractors. 1,830,874; Nov. 10.
Hendrickson, Robert O., and T. Nelson, assignors to J. I. Case Company, Racine, Wis. Tractor. 1,822,093; Sept. 8.
Hendrickson, Victor, assignor to The Orford Soap Company, Inc., Manchester, Conn. Machine for forming composite can bodies. 1,807,843; June 2.
Hendrix, Charles E., Jefferson City, Mo. Attachment for carburetor chokers. 1,830,736; Nov. 3.
Hendrix, Charles E., Jefferson City, Mo. Window shade and awning. 1,830,737; Nov. 3.
Hendrix, Leroy, Madeira, Ohio. Diaper supporter. 1,822,524; Sept. 8.
Hendron, William J., Lombard, assignor to Booth Fisheries Company, Chicago, Ill. Refrigerating apparatus. 1,787,681; Jan. 6.
Hendry, William F., Ossining, N. Y., assignor, by mesne assignments, to Manhattan Electrical Supply Company, Inc., Jersey City, N. J. High-power luminous electrical-discharge tube. 1,788,951; Jan. 13.
Hendry, William F., Ossining, N. Y., assignor, by mesne assignments, to Manhattan Electrical Supply Company, Inc., Jersey City, N. J. Electrical discharge device. 1,789,626; Jan. 20.
Hendry, William F., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,799,850; Apr. 7.
Hendry, William F., Ossining, N. Y., assignor, by mesne assignments, to Manhattan Electrical Supply Company, Inc., Jersey City, N. J. Electric discharge device. 1,804,467; May 12.
Hendry, William F., Ossining, assignor to E. D. Anderson, Inc., New York, N. Y. Packing machine. 1,824,432; Sept. 22.
Hendry, William F., Ossining, assignor to Troy Laundry Machinery Co., Inc., New York, N. Y. Electric press. 1,838,677; Dec. 29.
Hendryx, Andrew B., Company, The. (See Greene, Frederick E., assignor.)
Hendryx, Andrew B., Company, The. (See Leon, Lewicki J., assignor.)
Henglein, Friedrich A., Cologne-Deutz, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of nitrates. 1,798,533; Mar. 31.
Hengstler, Heinrich, Oberwinterthur, Switzerland. Clip, clasp, and like fastening for neckties. 1,810,077; June 16.
Henige, John, Chicago, Ill. Liquid treatment comb. 1,826,541; Oct. 6.
Henion, Walter R., assignor to Boe Manufacturing Company, Minneapolis, Minn. Spout construction. 1,810,137; June 16.
Henke, Clyde O. (See Gubelmann, I., and Henke.)

Henke, Clyde O. (See Palmer, R. C., and Henke.)
Henke, Frederick W., jr., assignor to Fox Automotive Products Corporation, Philadelphia, Pa. Antitheft tire lock. 1,828,658; Oct. 20.
Henke, Gustav, Bremen, assignor to M. H. Wilkens & Söhne Akt.-Ges., Hemlingen, near Bremen, Germany. Production of silver plated metal articles such as table requisites. 1,823,938; Sept. 22.
Henkel, Andrew L. (See Schaaf, C., Morrison, Henkel, and Williams.)
Henkel-Clauss Company, The. (See Bruninghaus, Hugo, assignor.)
Henkel, Frank N., Hammond, La. Compression air valve tester. 1,807,287; May 26.
Henkel, Hermann. (See Heyner, W., and Henkel.)
Henkle, John R., assignor to Mercury Manufacturing Company, Chicago, Ill. Portable jack. 1,800,939; Apr. 14.
Henle, Franz, Hochst-on-the-Main, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort, Germany. Preparing carboxylic acid chlorides. 1,792,163; Feb. 10.
Henley, Dennie E., Yakima, Wash. Packing stand. 1,829,281; Oct. 27.
Henley, William J., jr., Rushville, Ind. Continuous reversible toaster. 1,807,312; May 26.
Henley's, W. T., Telegraph Works Company Limited. (See Dunsheath, Percy, assignor.)
Henn, William A., assignor to Peerless Tank and Seat Works, Inc., Evansville, Ind. Hinge for water closet seats and covers. 1,825,456; Sept. 29.
Henne, Albert L. (See Midgley, T., jr., Henne, and McNary.)
Hennefer Maschinenfabrik C. Reuther & Reisert mit beschrankter Haftung. (See Kader, Wilhelm, assignor.)
Hennegan, Paul M., Cincinnati, Ohio. Advertising toy. 1,835,777; Dec. 8.
Hennemann, Albert, and W. Inhoffen, Berlin, Germany, assignor to Naamlooze Vennootschap Internationale Automaten-Maatschappij, The Hague, Netherlands. Coin controlled vending machine. 1,838,179; Dec. 29.
Hennessey, Vincent D., Milwaukee, Wis. Plumbing fixture installation. 1,835,301; Dec. 8.
Hennessy, Daniel E., assignor to Lewis-Shepard Company, Watertown, Mass. Elevating truck having an open end. 1,795,026; Mar. 3.
Hennessy, Daniel E., assignor to Lewis-Shepard Company, Watertown, Mass. Hand truck with tongue operated braking mechanism. 1,820,942; Sept. 1.
Hennessy, Daniel E., assignor to Lewis-Shepard Company, Watertown, Mass. Elevating truck with safety lock. 1,827,012; Oct. 13.
Hennessy, James J., New York, N. Y. Journal lubricator. 1,794,457; Mar. 3.
Hennessy, James J., New York, N. Y. Driving box lubricator. 1,818,327; Aug. 11.
Hennessy, James J., New York, N. Y. Lubricator. 1,836,799; Dec. 15.
Henneuse, Clarence A., Sacramento, Calif., assignor to Hadfield-Penfield Steel Company, Bucyrus, Ohio. Tractor. 1,812,875; July 7.
Henneuse, Clarence A., Bucyrus, Ohio. Tractor belt link. 1,825,693; Oct. 6.
Henneuse, Clarence A., and C. A. Hawkins, Sacramento, Calif., assignors, by mesne assignments, to W. A. Riddell Company, Bucyrus, Ohio. Tractor. 1,808,735; June 2.
Henney, Charles F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,827,747; Oct. 20.
Henney, Charles F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,831,861; Nov. 17.
Hennig, Charles T., Barberton, Ohio. Purifying ferrous metals. 1,826,880; Oct. 13.
Hennig, Charles T., Cleveland, Ohio. Purification of steel in the Bessemer process. 1,826,881; Oct. 13.
Hennig, Charles T., Cleveland, Ohio. Purifying steel in the open hearth process. 1,826,882; Oct. 13.
Henning, Bessie, Los Angeles, Calif. Pie pan attachment. 1,832,117; Nov. 17.
Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Adjustment scale for switches. 1,791,896; Feb. 10.
Henning, Malcolmn E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Switch structure with unit control 1,796,101; Mar. 10.
Henning, Malcolm E., Des Moines, assignor to Penn Electric Switch Co., Des Moines, Iowa. Differential adjusting mechanism. 1,827,084; Oct. 13.
Henning, Malcolm E., assignor to Penn Electric Switch Co., Des Moines, Iowa. Compressor control structure. 1,829,593; Oct. 27.
Henning, William, Washington, D. C. Airplane. 1,791,868; Feb. 10.
Henninger, Albert B., Berlin-Halensee, Germany. Self supporting car body of sheet metal for motor cars. 1,822,775; Sept. 8.
Henninger, Ludwig, assignor to Badische Maschinenfabrik & Eisengiesserei vormals G. Sebold und Sebold & Neff, Durlach, Germany. Folding tool for match-box making machines. 1,804,613; May 12.
Henningsen, Carleton. (See Blanco, G. W., and Henningsen.)
Henningsen, Edgar R., Hanna, Wyoming. Trip lamp. 1,791,358; Feb. 3.
Henningsen, John F. (See Broadwell, William C., assignor.)
Henningsen, Poul, Charlottenlund, by Copenhagen, assignor to Louis Poulsen & Company, Copenhagen, Denmark. Shadeholder for electric lamps. 1,789,976; Jan. 27.
Henrard, Fernand, Brussels, Belgium. Mixer. 1,806,684; May 26.
Henrard, Fernand, Brussels, assignor to Ecremeuses Melotte, Societe Anonyme, Remicourt, Belgium. Milking apparatus. 1,816,116; July 28.
Henrard, Fernand, Brussels, assignor to Societe Anonyme Ecremeuses Melotte, Remicourt, Belgium. Straining milk and a strainer for separating machines. 1,820,800; Aug. 25.
Henri, Robert, and Floyd H. Akins, Detroit, Mich. Moving picture machine safety device. 1,836,071; Dec. 15.
Henri, Victor, Zurich, Switzerland, assignor to Urbain Corporation, New York, N. Y. Apparatus for use in the analysis of volatile liquids. 1,835,985; Dec. 8.
Henrici Laundry Machinery Company. (See Clarke, Ralph S., assignor.)
Henricks, Arthur G., assignor to Harnischfeger Corporation, Milwaukee, Wis. Transmission mechanism. 1,827,013; Oct. 13.
Henriksen, Arthur, New York, N. Y. Multicolor soap. 1,791,359; Feb. 3.
Henriksen, Henry, Minneapolis, Minn. Art plaque and making same. 1,797,552; Mar. 24.
Henrikson, Carl G. (See Jones, L. S., Fisher, Henrikson, and Butler.)
Henry and Allen. (See Bowen, Kenneth H., assignor.)
Henry, Andrew L., assignor to Trolley Shoe Wheel Company, Indianapolis, Ind. Trolley shoe. 1,822,620; Sept. 8.
Henry, Andrew L., assignor to Trolley Shoe Wheel Co., Indianapolis, Ind. Trolley shoe. 1,822,621; Sept. 8.
Henry, August M., Brooklyn, N. Y., assignor of thirty per cent to F. J. Kent, Montclair, N. J. Airplane. 1,825,792; Oct. 6.
Henry, Beulah L., assignor of one-half to E. A. Guinzburg, New York, N. Y. Valve for inflatable articles. Re17,956; Feb. 10.
Henry, Cashly A., Dayton, Ohio. Can opener. 1,813,620; July 7.
Henry, Charles A. (See Rousek, J. E., and Henry.)
Henry, Charles A., West Burlington, and C. A. Oppfelt, Burlington, Iowa. Method and apparatus for forming arch tubes. 1,816,218; July 28.
Henry, Claude, Flint, Mich. Tire boot. 1,789,748; Jan. 20.
Henry Developments Limited. (See Collaro, Christopher, assignor.)
Henry, Donald E. (See Rentschler, H. C., and Henry.)
Henry, Earl S., Medfort, Okla. Apparatus for automatic water softeners and chemical feeds therefor. 1,809,166; June 9.
Henry, Franklin M., San Francisco, Calif. Electromagnetic field generator. 1,835,870; Dec. 8.
Henry, Frederick J., Taunton, Mass. Clamping adjunct for coat hangers. 1,791,496; Feb. 10.
Henry, George, Stege, Calif. Fountain pen. 1,787,747; Jan. 6.
Henry, George W., jr., assignor to Soabar Company, Philadelphia, Pa. Tag printing machine. 1,814,923; July 14.
Henry, Gerald J., Boston, and K. A. Sawin, Winthrop, assignors to Wheeler Reflector Company, Boston, Mass. Electric-light fixture. 1,794,687; Mar. 3.
Henry, Hubert, and J. D. Day, Bradford, England. Oyster or like opening apparatus. 1,831,448; Nov. 10.
Henry, James M. (See Howie, A., and Henry.)
Henry, Joseph G., Astoria, assignor of one-half to T. F. Murphy, New York, N. Y. Garment hanger. 1,794,016; Feb. 24.
Henry, Lucien N., Soissons, France. Apparatus for fleshing hides, skins and the like. 1,806,258; May 19.
Henry, Raymond, Rock Island, Ill., and F. E. Bradfield, assignors, by mesne assignments, to O.-N. Spring Shackle Company, Davenport, Iowa. Spring connection. 1,817,438; Aug. 4.
Henry, Skelton D., Houston, Tex. Protecting dams. 1,802,714; Apr. 28.
Henry, Walter E., Baltimore, Md. Crosshead. 1,814,924; July 14.
Henry, William A., Hollywood, Calif. Folding tire tube tester and bucket. 1,827,232; Oct. 13.
Henry, William S., assignor to General Railway Signal Company, Rochester, N. Y. Switching means controllable from engine cabs. 1,824,139; Sept. 22.
Henry, William T., Houston, Tex. Indicating device. 1,793,800; Feb. 24.
Henschel, Hans, Dresden-Loschwitz, Germany. Card-carrier for card-files. 1,804,339; May 5.
Hensel, Samuel T., Denver, Colo. Sirup percolator. 1,815,711; July 21.
Hensel, Walter. (See Farquhar, J. W., and Hensel.)
Hensgen, Walter O., Schenectady, N. Y., assignor to General Electric Company. Manufacture of electrical apparatus. 1,837,962; Dec. 22.
Henshall, George R., Vancouver, British Columbia, Canada. Continuous cooker for fish reduction. 1,803,801; May 5.
Henshall, Percival P., assignor to John J. Nesbitt Inc., Philadelphia, Pa. Radiator. 1,800,448; Apr. 14.

Henshaw, Lewis J., College Hill, Ohio, assignor to The Philip Carey Manufacturing Company. Insulating jacket for hot water tanks. 1,813,995; July 14.
Henshaw, William H., North Tarrytown, N. Y. Automatic transmission. 1,799,557; Apr. 7.
Hensley, Charles G., receiver. (See Newmann, John, assignor.)
Hensley, James M. (See Cone, Jesse F., assignor.)
Hensted, Ira, et al. (See Swanjord, Knute, assignor.)
Hentrich, Winfrid. (See Neelmeier, W., and Hentrich.)
Hentrich, Winfrid, Wiesdorf-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyeing organic cellulose esters. 1,827,150; Oct. 13.
Hentrich, Winfrid, M. Hardtmann, Wiesdorf-on-the-Rhine, R. Knoche, Leverkusen-on-the-Rhine, and J. Hilger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dis, and poly azo dyestuffs. 1,788,295; Jan. 6.
Hentrich, Winfrid, Wiesdorf-on-the-Rhine, R. Knoche, Leverkusen-on-the-Rhine, and P. Virck, Dessau-Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Mono-azo dye. 1,805,911; May 19.
Hentrich, Winfrid, M. Hardtmann, Wiesdorf-on-the-Rhine, J. Hilger, Cologne-Mulheim, and R. Knoche, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New polyazo dyestuffs. 1,808,849; June 9.
Hentrich, Winfrid., Wiesdorf-on-the-Rhine, and Ernst Tietze, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Stable diazo compound of 5-nitro–2-amino-1-methylbenzene. 1,813,621; July 7.
Hentrich, Winfrid, and M. Hardtmann, Wiesdorf-on-the-Rhine, and R. Knoche, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New condensation product for the diazine series. 1,817,982; Aug. 11.
Hentrich, Winfrid, Wiesdorf-on-the-Rhine, and E. Rimele, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New azo dyestuffs. 1,821,938; Sept. 8.
Hentrich, Winfrid, Wiesdorf-on-the-Rhine, and R. Knoche, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works Inc., New York, N. Y. New monoazodyestuffs. 1,823,939; Sept. 22.
Hentrich, Winfrid, M. Hardtmann, Wiesdorf-on-the-Rhine, and E. Tietze, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Diazonium salts of complex metallo hydrofluoric acid. 1,825,729; Oct. 6.
Hentrich, Winfrid, Wiesdorf-on-the-Rhine, R. Knoche, Leverkusen-on-the-Rhine, and E. Tietze, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Monoazodyestuffs. 1,828,737; Oct. 27.
Hentrich, Winfrid, and M. Hardtmann, Wiesdorf-on-the-Rhine, and H. Metzl, Leverkusen-on-the-Rhine, Germany, assignors to General Anlline Works, Inc., New York, N. Y. Dycing and printing of textile fibers. 1,832,208; Nov. 17.
Hentrich, Winfrid, Wiesdorf-on-the-Rhine, and R. Knoche, Leverkusen-on-the-Rhine, and F. Ballauf, Elberfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New monoazodyestuffs. 1,835,393; Dec. 8.
Hentrich, Winfrid, Wiesdorf-on-the-Rhine, and R. Knoche, Leverkusen-on-the-Rhine, E. Tietze, Cologne-on-the-Rhine, and Josef Hilger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulphonic acids of the nitrohalogen-diaryl-ketones and nitrohalogen diaryl-sulfones. 1,835,394; Dec. 8.
Hentrich, Winfrid, and M. Hardtmann, Wiesdorf-on-the-Rhine, and J. Hilger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Copper compounds of substantive azo dyestuffs. 1,837,266; Dec. 22.
Hentschel, Elmer J., and S. E. Miller, Springfield, Ohio. Compression valve and faucet. 1,806,397; May 19.
Hentschel, Ernest R., deceased, Washington, D. C.; J. Olson, administrator, assignor to Wired Radio, Inc., New York, N. Y. Controlling the amplitude of alternating current. 1,805,463; May 12.
Hentschel, Ernest R., Washington, D. C., deceased, J. Olson, administrator, assignor to Wired Radio, Inc., New York, N. Y. Signaling apparatus. 1,830,837; Nov. 10.
Hentschel, Ernest R., deceased, Washington, D. C.; J. Olson, administrator, assignor to Wired Radio, Inc., New York, N. Y. Power supply apparatus. 1,835,395; Dec. 8.
Hentschel, Hermann, and H. Greggersen, Hamburg, assignors to the firm Autogen Gasacuumulator Aktiengesellschaft, Berlin, Germany. Method of and machine for cutting holes. 1,812,239; June 30.
Henze, Joseph J., assignor to A. Backus Jr. & Sons, Detroit, Mich. Packing crate. 1,822,736; Sept. 8.
Henzerling, Herman L., West New Brighton, assignor to Royal Baking Powder Company, New York, N. Y. Conversion of carbohydrates to products of higher oxidation. 1,834,057; Dec. 1.
Hepburn, Donald M., Philadelphia, Pa. Apparatus for preparing paving compositions. 1,836,754; Dec. 15.
Hepburn, Donald McK., assignor to Amiesite Asphalt Company of America, Philadelphia, Pa. Stone asphalt road and preparing and laying the same. 1,827,522; Oct. 13.
Hepburn, Dugald, Toronto, Ontario, and M. L. Thompson, East York Township, York County, Ontario, assignors to De Forest Crosley Radio Company, Limited, Toronto, Canada. Apparatus for reproducing radio broadcasts or recorded audio frequencies. 1,826,173; Oct. 6.
Hepburn, William M. (See Barber, H .B., and Hepburn.)
Hepburn, William M., assignor to The Surface Combustion Co., Toledo, Ohio. Gas burner. 1,788,716; Jan. 13.
Hepburn, William M., assignor to Surface Combustion Corporation, Toledo, Ohio. Controlling means for heat exchange apparatus. 1,826,213; Oct. 6.
Hepler, Roy W. (See Russ, A. B., and Hepler.)
Hepler, Walter. (See Reed, W. B., and Hepler.)
Heppenstall, Thomas E., Longview, Wash. Process and apparatus for determining the moisture content of substances. 1,826,247; Oct. 6.
Heppes, George P., Chicago Heights, Ill., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method of and machine for making multicolored strip shingles. 1,791,560; Feb. 10.
Heppes, Otto A. (See Kirschbraum, L., and Heppes.)
Heppes, Otto A. (See Overbury, F. C., and Heppes.)
Hepworth, S. S., Company. (See Olcott, Charles A., assignor.)
Heraeus, W. C., and Gesellschaft mit beschränkter Haftung. (See Feuszner, Otto, assignor.)
Herb, Otto J., assignor to Alemite Corporation, Chicago, Ill. Valved coupling. 1,838,549; Dec. 29.
Herbeck, Joseph, Los Angeles, Calif. Aeroplane. 1,836,663; Dec. 15.
Herber, Bruno G. (See Garrett, C. H., and Herber.)
Herbert, Sigmund, New York, N. Y. Picture support. 1,807,288; May 26.
Herbest, Thomas R., jr., assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va. Channel member. 1,830,656; Nov. 3.
Herbold, Henry H., Thayer, Mo. Automatic wood-sawing machine. 1,813,291; July 7.
Herbsman, Abraham M., Huntington Park, Calif. Hand spray device. Des. 85,871; Dec. 29.
Herbst, Henry W. (See Fischer, A. C., Stewart, and Herbst.)
Herbst, Paul, Bremen, Germany. Magic tank. 1,796,566; Mar. 17.
Herbster, George, Cleveland, Ohio. Thermostatic switch. 1,830,657; Nov. 3.
Hercules Cement Corporation. (See Kind, Morris, assignor.)
Hercules Glue Company. (See Lindstaedt, Frank F., assignor.)
Hercules Motors Corporation. (See Balough, Charles, assignor.)
Hercules Powder Company. (See Bennett, James L., assignor.)
Hercules Powder Company. (See Bent, L. N., and Johnston, assignors.)
Hercules Powder Company. (See Boyd, Newton C., assignor.)
Hercules Powder Company. (See Brewster, Rouse K., assignor.)
Hercules Powder Company. (See Cordie, C. H., and Crater, assignors.)
Hercules Powder Company. (See Butts, Durain C., assignor.)
Hercules Powder Company. (See Humphrey, Irvin W., assignor.)
Hercules Powder Company. (See Johnston, Alan C., assignor.)
Hercules Powder Company. (See Klinger, Harry W., assignor.)
Hercules Powder Company. (See Langmeier, Arthur, assignor.)
Hercules Powder Company. (See Milliken, Mahlon G., assignor.)
Hercules Powder Company. (See Nash, H. E., and Babcock, assignors.)
Hercules Powder Company. (See Nordenswan, Carl-Johan H., assignor.)
Hercules Powder Company. (See Norton, Sereno G., assignor.)
Hercules Powder Company. (See Norman, George M., assignor.)
Hercules Powder Company. (See Pritchard, William, jr., assignor.)
Hercules Powder Company. (See Stoops, Buren I., assignor.)
Herden, Wilhelm, Berlin-Hermsdorf, Germany, assignor to General Electric Company. High speed circuit interrupter. 1,818,801; Aug. 11.
Herdling, Wilhelm, Wehen, Germany. Sand spraying device for motor vehicles, especially motor cars. 1,810,765; June 16.
Herdling, Wilhelm, Wehen, Germany. Sand spraying device for motor vehicles. 1,812,952; July 7.
Herdman, George H., Erie, Pa. Combination drift pin and wrench. 1,828,142; Oct. 20.
Herff, Harry J., assignor to Herff-Jones Company, Indianapolis, Ind. Decorative panel for insertion in jewelry. Des. 84,035; Apr. 28.
Herff-Jones Company. (See Herff, Harry J., assignor.)
Herfort, Herman J., Paterson, N. J. Mulch-paper-laying machine. 1,787,902; Jan. 6.

Herider, John M., assignor to The Sinker-Davis Co., Indianapolis, Ind. Stump-grooving machine. 1,800,181; Apr. 7.
Hering, Edward, Beverly, assignor to United States Pipe & Foundry Company, Burlington, N. J. Cap tile and tile roof. 1,806,685; May 26.
Hering, Fritz, Ronneburg, Germany. Wire spoke wheel. 1,837,124; Dec. 15.
Hering, Horace E., Ashburton, New Zealand. Washing machine. 1,801,347; Apr. 21.
Hering, Paul C., Lawrence, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lock for heads of Knowles looms. 1,834,310; Dec. 1.
Heritage, Clark C., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Heat abstraction. 1,817,983; Aug. 11.
Heritage, Clark C., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Drier. 1,822,486; Sept. 8.
Heritage, Clark C., and I. T. Thornton, Buffalo, assignors to National Aniline & Chemicals Co., Inc., New York, N. Y. Ammonia recovery. 1,832,485; Nov. 17.
Herl, Anton, Hays, Kans. Combined harvesting and thrashing machine. 1,837,906; Dec. 22.
Herl, Dragutin, Niagara Falls, N. Y. Railway joint chair. 1,812,786; June 30.
Herlach, Fritz, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf, Germany. Trigger mechanism for firearms mounted on a carriage and having a pointing handle. 1,810,243; June 16.
Herlach, Fritz, and H. Ludwig, Dusseldorf, assignors to Rehinische Metallwaaren-und Maschinenfabrik, Dusseldorf-Defendorf, Germany. Breech closure. 1,803,251; Apr. 28.
Herlbauer, Joseph J., Hollis, and C. Gulotta, New York, N. Y. Vehicle towing device. 1,803,389; May 5.
Herlihy, John J., Glenwood, Pittsburgh, Pa. Radiocabinet. Des. 84,338; June 9.
Herlihy, Theodore E., Los Angeles, Calif., assignor to The Lubrication Corporation, South Bend, Ind. Separable connecter. Re18,288; Dec. 15.
Herlinger, Harold V. (See Beebe, M. C., and Herlinger.)
Herlitz, Ivar, Magnet, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasturas, Sweden. Differential protective system for electrical machinery and apparatus. 1,815,712; July 21.
Herm, Ole G., Marshalltown, Iowa. Engineer's instrument. 1,802,603; Apr. 28.
Herman, Alexander, Berlin, Germany. Sliding window. 1,830,544; Nov. 3.
Herman, Alfred B., assignor to Baker Nagle Company, Belleville, Ill. Door hinge construction for stoves. 1,819,644; Aug. 18.
Herman, Christian, West Milton, and E. H. Bridenbaugh, Dayton, Ohio; said Bridenbaugh assignor to said Herman. Hedge-trimming machine. 1,788,237; Jan. 6.
Herman, I. C., & Company. (See Smith, Ricardo M., assignor.)
Herman, Joseph, Westfield, N. J., assignor to American Telephone and Telegraph Company. Reduction of interference. 1,795,393; Mar. 10.
Herman, Joseph, Westfield, N. J., assignor to American Telephone and Telegraph Company. Relay arrangement for use with voice-operated devices. 1,798,202; Mar. 31.
Herman, Joseph, Westfield, N. J., assignor to American Telephone and Telegraph Company. Echo suppressor. 1,814,038; July 14.
Herman, Joseph, Westfield, N. J., assignor to American Telephone and Telegraph Company. Measuring distortion of telegraph signals. 1,829,185; Oct. 27.
Herman, Joseph, Westfield, N. J., assignor to American Telephone and Telegraph Company. Pilot channel for telegraph systems. 1,829,830; Nov. 3.
Herman-Nelson Corporation, The. (See Shurtleff, Wilfred, assignor.)
Herman, Wallace C., Oakwood, Ohio. Reversible variable speed transmission mechanism. 1,807,035; May 26.
Hermanek, Otto R., Minneapolis, Minn. Coin detector for coin controlled machines. 1,810,521; June 16.
Hermann, Edward O., Mill Valley, assignor to Cobb Connector Company, Los Angeles, Calif. Train pipe coupler. 1,812,047; June 30.
Hermann, Edward O., Mill Valley, assignor to Cobb Connector Company, Los Angeles, Calif. Train pipe couplers support. 1,812,048; June 30.
Hermann Manufacturing Company, The. (See Wessel, L. H., and Booker, assignors.)
Hermann, Otto, Brooklyn, N. Y. Metallic aeroplane wing. 1,796,654; Mar. 17.
Hermann, Otto L., assignor, by mesne assignments, to Buxton & Skinner Printing and Stationery Co., St. Louis, Mo. Bookkeeping device. 1,818,253; Aug. 11.
Hermann, Wolfgang, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Spraying device. 1,826,134; Oct. 6.
Hermann, Wolfgang, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Spraying device. 1,835,707; Dec. 8.
Hermansen, Carl, Astoria, N. Y. Safety guard catch for elevator entrances. 1,787,748; Jan. 6.
Hermanski, Frank. (See Smith, R. N., and Hermanski.)
Hermanski, Mary, Garber, Okla. Garment. 1,830,545; Nov. 3.
Hermanson, Verner et al. (See Rosebrook, Guy L., assignor.)
Hermanson, Victor executor. (See Rosebrook, Guy L.)
Hermes Magyár Általános Váltoüzlet Részvenytársasag. (See Schimanek, Emil, assignor.)
Hermsdorf, Walter H. (See Goldberg, S. H., and Hermsdorf.)
Hermsdorf, Walter H., assignor, by mesne assignments, to S. H. G. Incorporated, Chicago, Ill. Heating unit. 1,832,389; Nov. 17.
Hermsen, Edward A., Oakland, Calif. Building structure. Des. 84,339; June 9.
Hern, Harry H. (See Vanatta, Orin and P., and Hern.)
Hernandez, Joseph B., New York, N. Y., assignor to Joseph B. Hernandez Corporation. Metal lathing. 1,824,082; Sept. 22.
Hernandez, Joseph B., Corporation. (See Hernandez, Joseph B., assignor.)
Hernández, Tomás, Buenos Aires, Argentina. Rear wheel for tractors. 1,813,494; July 7.
Herndon, Horace K., Greensboro, N. C. Cooking stove. 1,787,903; Jan. 6.
Herndon, Laney D., Columbus, Ga. Window screen. 1,788,296; Jan. 6.
Herndon, Preston, New York, N. Y. Handle for a razor. Des. 83,198; Feb. 3.
Hernke, Albert W., Cudahy, Wis. Dip up. 1,808,736; June 2.
"Herold" Aktiengesellschaft. (See Jaeger, Albert, assignor.)
"Herold" Aktiengesellschaft. (See Schaafhausen, Wilhelm, assignor.)
Herold, James L., and J. W. Dawson, assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Washing bottles. 1,824,993; Sept. 29.
Herold, James L., and J. W. Dawson, assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Bottle-washing brush. 1,824,994; Sept. 29.
Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Compensating caster, slide, or the like. Re17,950; Feb. 3.
Herold, Walter F., Upper Montclair, N. J. Receptacle for cigarette ashes and the like. 1,804,163; May 5.
Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Furniture rest or shoe. 1,804,390; May 12.
Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster. 1,815,062; July 21.
Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Caster. 1,836,246; Dec. 15.
Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Furniture rest or shoe. 1,836,534; Dec. 15.
Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster. 1,838,678; Dec. 29.
Herrick, Henry N., Berkeley, assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Method of and apparatus for retorting carbonaceous material. 1,838,622; Dec. 29.
Herring, Earl R. (See Herring, William E., and E. R.)
Herring, William E., Albert Lea, Minn., and E. R. Herring, Billings, Mont. Exhaust silencer. 1,838,550; Dec. 29.
Heron, Donald D., Pittsburgh, Pa. Tooth exerciser. 1,816,582; July 28.
Heron, Sam D., Dayton, Ohio. Valve. 1,823,452; Sept. 15.
Heroy, Herbert, Belmar, N. J. Electrically operated water heater. 1,809,899; June 16.
Heroy, Herbert, Belmar, N. J. Electric heating system for fluids. 1,825,793; Oct. 6.
Herr, Frank E., Lancaster, Pa. Oil burner. 1,820,801; Aug. 25.
Herr, Henry C., assignor to Herr Manufacturing Co., Inc., Buffalo, N. Y. Holder for spinner rings. 1,801,002; Apr. 14.
Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company. Refrigerator. Re18,168; Aug. 25.
Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Engine governor. 1,794,518; Mar. 3.
Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Cylinder manifold for internal-combustion engines. 1,799,369; Apr. 7.
Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Starting system for internal combustion engines. 1,814,802; July 14.
Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Manufacturing an engine cylinder. 1,820,069; Aug. 25.
Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reduction gear with dynamometer. 1,820,740; Aug. 25.
Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Injection nozzle. 1,834,058; Dec. 1.
Herr Manufacturing Co. (See Herr, Henry C., assignor.)
Herr, Vincent A., Collinsville, Ill. Multicontrol electric alarms. 1,796,368; Mar. 17.

Herradora, Juan R., Secaucus, N. J. Apparatus for artificial pneumothorax. 1,794,404; Mar. 3.
Herren, Ella P., administratrix. (See Herren, George C., assignor.)
Herren, George C., deceased; E. P. Herren, administratrix, assignor to E. P. Herren, Atlanta, Ga. Display stand. 1,811,315; June 23.
Herrenbruck, Herman, assignor to Orbon Stove Co., Belleville, Ill. Removable grate for stoves. 1,791,813; Feb. 10.
Herrenbruck, Herman, assignor to Orbon Stove Co., Belleville, Ill. Oven door construction. 1,806,758; May 26.
Herrenbruck, Herman, assignor to Orbon Stove Co., Belleville, Ill. Gas burner and support therefor. 1,806,800; May 26.
Herrenbruck, Herman, assignor to Orbon Stove Co., Belleville, Ill. Stove. 1,837,218; Dec. 22.
Herrick, Gerard P., New York, N. Y. Aeroplane. 1,792,014; Feb. 10.
Herrick, Gerard P., New York, N. Y. Aerofoil. 1,792,015; Feb. 10.
Herrick, Harold W., et al. (See Doty, L., and Carroll.)
Herrick, Henry N., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Method of and apparatus for determining the direction of the dip and strike of the earth's substrata. 1,792,639; Feb. 17.
Herrick, Ralph R., Pittsburgh, Pa., assignor to Universal Oil Products Company, Chicago, Ill. Expansion drum. 1,828,368; Oct. 20.
Herrick, Warren N., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pasting machine. 1,789,309; Jan. 20.
Herriman, Aaron W., South Haven, Mich. Fruit-packing device. 1,796,948; Mar. 17.
Herring, Doane. (See Pate, Matthew J., assignor.)
Herring, Edgar. (See Musgrave, J. L., and Herring.)
Herring, George E., Chicago, Ill. Silverware chest. Des. 85,613; Nov. 24.
Herring, George E., Chicago, Ill. Tarnish-proof container. 1,791,594; Feb. 10.
Herring, Horace B., Memphis, Tenn. Canoe paddle. 1,789,749; Jan. 20.
Herring, Horace B., Memphis, Tenn. Canoe paddle. 1,807,289; May 26.
Herring, Percy H. (See Auld, S. J. M., Dunstan, and Herring.)
Herrington, George S., et al., trustees. (See Pratt, Harry P., assignor.)
Herrington, Harold W. (See Edwards, P. G., and Herrington.)
Herrmann, Conrad, Wuppertal-Elberfeld, Germany, assignor to American Glanzstoff Corporation, New York, N. Y. Stretch-spinning artificial filaments. 1,812,592; June 30.
Herrmann, Emil, assignor to P. Piepenstock, Mulheim-Ruhr, Germany. Epicylic gear. 1,804,055; May 5.
Herrmann, Johannes, Berlin-Halensee, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Synchronizing system. 1,830,546; Nov. 3.
Herrmann, Julius H., Philadelphia, Pa. Implement for processing fur. 1,789,869; Jan. 20.
Herrmann, Julius H., Philadelphia, Pa. Hanger for fur scarfs or the like. 1,794,688; Mar. 3.
Herrmann, Karl, Gehren, Germany. Animal doll. 1,793,400; Feb. 17.
Herrmann, Karl L., assignor to the Studebaker Corporation, South Bend, Ind. Brake. 1,793,229; Feb. 17.
Herrmann, Rudolf, Dresden, Germany. Making mesh-sieves. 1,814,598; July 14.
Herrmann, Rudolf, Dresden, Germany. Shaker sieve and producing the same. 1,830,792; Nov. 10.
Herrmann, William, West Albany, N. Y. Sling. 1,829,860; Nov. 3.
Herrmann, Willy O., H. Deutsch, and E. Baum, assignors to Consortium fur Elektrochemische, Industrie, Munich, Germany. Production of vinyl esters. 1,790,920; Feb. 3.
Herrmann, Willy O., and H. Deutsch, assignors to Consortium Fuer Elektrochemische Industrie, Munich, Germany. Production of acetals. 1,796,690; Mar. 17.
Herrmann, Willy O., H. Deutsch, and W. Haehnel, assignors to Consortium Fur Elektrochemische Industrie, Munich, Germany. Production of condensation and polymerization products of acetylene. 1,810,174; June 16.
Herrmann, Willy O., and H. Deutsch, assignors to Consortium fuer Elektrochemische Industrie, Munich, Germany. Production of aectaldehyde. 1,816,326; July 28.
Herrmann, Willy O., H. Deutsch, and E. Baum, assignors to Consortium fur Elektrochemische Industrie, Munich, Bavaria, Germany. Manufacture of esters of vinyl alcohol. 1,822,525; Sept. 8.
Herrmann, Willy O., and W. Haehnel, assignor to Consortium fur Elektrochemische Industrie G. m. b. H., Munich, Germany. Shoe stiffener. 1,822,526; Sept. 8.
Hermann, Wolfgang, assignor to Metal Specialties Manufacturing Co., Chicago, Ill. Spraying device for spraying paints, varnishes, etc. 1,822,622; Sept. 8.
Herrnheiser, Gustav, Prague, Czechoslovakia. Apparatus for directing X rays. 1,794,853; Mar. 3.
Herrold, Russell P., Zanesville, Ohio. Tiling. Des. 84,340; June 9.
Herrold, Russell P., Zanesville, Ohio. Tiling. Des. 84,341; June 9.
Herrold, Russell P., Zanesville, Ohio. Tiling. Des. 84,342; June 9.
Herrold, Russell P., Zanesville, Ohio. Tiling. Des. 84,343; June 9.
Herron, Anna L., et al. (See Herron, Ollie L., assignor.)
Herron, Anna L., et al. (See Zimmers, Joseph B., assignor.)
Herron, James M., Taft, Tex. Cotton-blocking cultivator. 1,797,231; Mar. 24.
Herron, Ollie L., et al. (See Zimmers, Joseph B., assignor.)
Herron, Ollie L., assignor, by mesne assignments, of 30/100 to W. M. Zimmers, 30/100 to A. L. Herron, 20/100 to J. B. Zimmers, and 20/100 to O. L. Herron, Chicago, Ill. Trim molding. 1,823,541; Sept. 15.
Herron-Zimmers Molding Company. (See Hardesty, Francis D., assignor.)
Herschede, Edward F., Cincinnati, Ohio. Clasp for wrist watch bands. 1,792,742; Feb. 17.
Herschede, Edward F., Cincinnati, Ohio. Wrist-strap clasp. 1,794,458; Mar. 3.
Herschel, Carl, Bonn/Rhine, Germany. Copying arrangement for commerical books. 1,791,671; Feb. 10.
Herschel William S. (See Freeman, B. W., Herschel, and Patterson.)
Herschell, Walter G., Wilkes-Barre, assignor to William F. Otto, Hazleton, Pa. Furnace. 1,819,555; Aug. 18.
Herschmann, Frederick K., New York, N. Y. Electrical circuit. 1,803,017; Apr. 28.
Hersee, Frederick C., Belmont, Mass. Electric switch socket. 1,835,566; Dec. 8.
Hersey, Henry J., jr., Salt Lake City, Utah, and D. B. Mikesell, Warsaw, Ind. Supporting means for flexible tubing. 1,838,623; Dec. 29.
Hersey Manufacturng Company. (See Winton, Henry D., assignor.)
Hersey, Ralph E., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,792,538; Feb. 17.
Hersh, Lovell A., assignor to H. Bohn, Dayton, Ohio. Clothes wringer. 1,810,046; June 16.
Hersh, Lovell A., assignor to H. Bohn, Dayton, Ohio. Agitator for clothes washing machines and the like. 1,810,047; June 16.
Hershey, Harry E. (See Hudd, A. E., and Hershey.)
Hershey, Harry E., Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Remote control system. 1,795,650; Mar. 10.
Hershey, Harry E., Oak Park, assignor to Automatic Elec'ric Inc., Chicago, Ill. Remote control system. 1,803,614; May 5.
Hershey, Harry E., Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Registering system. 1,810,211; June 16.
Hershey, Harry E., Oak Park, assignor to Automatic Electric Inc., Chicago, Ill. Remote control system. 1,814,385; July 14.
Hershey, Harry E., Oak Park, assignor to Automatic Electric Inc., Chicago, Ill. Supervisory system. 1,816,186; July 28.
Hershey, Harry E., Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Signaling system. 1,832,118; Nov. 17.
Hershey, Orville S., Waukegan, assignor to Oakes Products Corporation, North Chicago, Ill. Indicator. 1,828,896; Oct. 27.
Hershey, Orville S., E. J. Van Sickel and W. A. Henderson, Chicago, assignors, by mesne assignments, to Oakes Products Corporation, North Chicago, Ill. Spare-tire lock. 1,789,437; Jan. 20.
Hershey, Orville S., and E. J. Van Sickel, Chicago, assignors, by mesne assignments, to Oakes Products Corporation, North Chicago, Ill. Distributor and lock therefor. 1,815,313; July 21.
Hershey, Willard V., assignor to The Schaaf & Good Company, Fremont, Ohio. Fastening nonmetallic elements to metal. 1,834,706; Dec. 1.
Hershfield, Abe, Goshen, Ind., assignor to Standard Oil Company, Chicago, Ill. Structure for signs. 1,804,770; May 12.
Hershman, Paul R., assignor of one-fourth to C. O. Sethness, one-fourth to C. H. Sethness, and one-fourth to P. Rudnick, Chicago, Ill. Production of alkali metal hypochlorites of the form of NaOCl. 1,834,210; Dec. 1.
Herskowitz, Israel. (See Rosenhaft, I., and Herskowitz.)
Hersleb, William. (See Bramsen, S., and Hersleb.)
Hersleb, William, and S. Bramsen, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill. Touch up spray gun. 1,824,017; Sept. 22.
Herstedt, John, and John Wiberg, Moline, Ill. Speed-recording mechanism. 1,791,759; Feb. 10.
Hertel, Anton, Heidelberg, Germany. Ventilator. 1,792,585; Feb. 17.
Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,789,072; Jan. 13.
Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Refining hydrocarbons. 1,795,124; Mar. 3.

Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Refining hydrocarbons. 1,797,262; Mar. 24.
Herthel, Eugene C., assignor to Sinclair Refining Company, Chicago, Ill. Operation of pressure stills. 1,809,273; June 9.
Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Art of cracking hydrocarbons. 1,810,048; June 16.
Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Sealing containers in the art of cracking hydrocarbons. 1,819,095; Aug. 18.
Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Operation of pressure stills. 1,829,220; Oct. 27.
Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking of oil. 1,833,162; Nov. 24.
Herthel, Eugene C., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,809,297; June 9.
Herthel, Eugene C., Chicago, Ill., and H. L. Pelzer, Highland, Ind., assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,787,981; Jan. 6.
Herthel, Eugene C., Chicago, Ill., and H. L. Pelzer, Highland, Ind., assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,826,782; Oct. 13.
Herting, Otto, assignor to Sani Paper Products Co. Inc., Philadelphia, Pa. Composition for and method of heat and fire proofing paper, craftboard and the like. 1,804,417; May 12.
Hertz, Hjalmar, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Pneumatic cleaner. 1,823,542; Sept. 15.
Hertz, Mary, Cleveland, Ohio. Dish drainer. 1,789,232; Jan. 13.
Hertzberg, Harry, Brooklyn, N. Y. Mop. 1,798,418; Mar. 31.
Hertzberg, Harry, Brooklyn, N. Y. Reversible mop. 1,798,419; Mar. 31.
Hertzberg, Harry, Brooklyn, N. Y. Dry mop. 1,816,529; July 28.
Hertzberg, Harry, Brooklyn, N. Y. Squeegee mop with wringer. 1,816,530; July 28.
Hertzberg, Harry, Brooklyn, N. Y. Machine for making twisted brushes. 1,824,140; Sept. 22.
Hertzberg, Harry, Brooklyn, N. Y. Mop. 1,827,523; Oct. 13.
Hertzberg, Harry, Brooklyn, assignor, by mesne assignments, to The M. Propp Co. Inc., New York, N. Y. Armor for electrical connecting plugs. 1,800,728; Apr. 14.
Hertzberg, Harry, Brooklyn, assignor, by mesne assignments, to The M. Propp Co. Inc., New York, N. Y. Electric attachment plug and fitting. 1,831,809; Nov. 17.
Hertzberg, Harry, Brooklyn, assignor to Hertzberg Patents Inc., New York, N. Y. Armored mop. 1,836,028; Dec. 15.
Hertzberg Patents Inc. (See Hertzberg, Harry, assignor.)
Hertzberg, William, Brooklyn, N. Y. Making brooms. 1,798,420; Mar. 31.
Hervey, David F., Logansport, Ind. Handle for implements. 1,798,534; Mar. 31.
Hervey, Paul S., Des Moines, Iowa. Collapsible house moccasin. 1,817,623; Aug. 4.
Hervey, Paul S., and H. A. Billings, Des Moines, Iowa. Device for inking printing presses. 1,808,815; June 9.
Hervieux, Arthur, Brooklyn, N. Y. Shoe-last stand. 1,800,294; Apr. 14.
Hervig, Richard, assignor to Rich Tool Company, Detroit, Mich. Blank and making valve tappets. 1,826,544; Oct. 6.
Hervig, Richard, and R. Jardine, Chicago, Ill., assignors to Rich Tool Company, Portland, Me. Poppet valve and making same. 1,826,542; Oct. 6.
Hervig, Richard, and R. Jardine, Chicago, Ill., assignors to Rich Tool Company, Chicago, Ill. Composite metal article and making the same. 1,826,543; Oct. 6.
Herweg, Fred G., Chicago, Ill. Necktie clasp. 1,827,889; Oct. 20.
Herwig, Conrad, jr., assignor to The Favorite Stove and Range Company, Piqua, Ohio. Hermetically sealed air mixer. 1,837,549; Dec. 22.
Herz, Alexander. (See Conti, Eugene, assignor.)
Herz, Alfred. (See Noren, Harry E., assignor.)
Herz Bed Company. (See Herz, Gene, assignor.)
Herz, Ferdinand B., assignor to Long Manufacturing Company, Detroit, Mich. Radiator unit. 1,816,372; July 28.
Herz, Gene, assignor to Herz Bed Company, Chicago, Ill. Headrest for beds. 1,818,395; Aug. 11.
Herz, Richard, Frankfort-on-the-Main, and M. Schubert, Frankfort-on-the-Main/Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacturing ortho-amino arylmercaptanes and products produced thereby. 1,788,297; Jan. 6.
Herz, Richard, Frankfort-on-the-Main, and W. Zerweck, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthanthrone series and making same. 1,803,757; May 5.
Herz, Richard, Frankfort-on-the-Main, and W. Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogenated vat dyestuffs and making same. 1,803,758; May 5.
Herz, Richard, Frankfort-on-the-Main, and W. Zerweck, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New derivatives of anthanthrone and making same. 1,805,912; May 19.
Herz, Richard, Frankfort-on-the-Main, and W. Zerweck, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New alkoxy derivatives of anthanthrone and making same. 1,805,913; May 19.
Herz, Richard, Frankfort-on-the-Main, E. Runne, Frankfort-on-the-Main-Hochst, and E. Albrecht, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Trihalogen arylthioglycolic acids and making same. 1,811,316; June 23.
Herz, Richard, Frankfort-on-the-Main, and W. Hechtenberg, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Fast sulfur dyestuffs and making same. 1,815,144; July 21.
Herz, Richard, Frankfort-on-the-Main, and W. Hechtenberg, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 2-(4'-hydroxy-aryl-amino)-aryl-amino-naphthalenes. 1,815,775; July 21.
Herz, Richard, Frankfort-on-the-Main, and M. Schubert, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water insoluble azo dyestuff. 1,819,096; Aug. 18.
Herz, Richard, Frankfort-on-the-Main, W. Bauer, Wiesdorf Niederhein, and N. Steiger, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacturing phenylthioglycolic acids containing halogen and alkyl groups in their molecule. 1,832,209; Nov. 17.
Herz, Richard, Frankfort-on-the-Main, and W. Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Purifying vat dyestuffs of the anthanthrone series. 1,835,396; Dec. 8.
Herz, Walter, Witten-on-the-Ruhr, Germany. Rolling
Herzberg, Max, assignor to Pictorial Review Company, New York, N. Y. Finished pattern and making the same. 1,812,953; July 7.
Herzberg, Max, assignor, by mesne assignments, to Pictorial Review Company, New York, N. Y. Pattern set. 1,820,225; Aug. 25.
Herzberger, George, Stamford, Conn. Refuse receptacle. 1,814,803; July 14.
Herzfeld, Adolph. (See Jacobson, Moses, assignor.)
Herzfeld-Hoffmann, Freda, Berlin, Germany. Optical device. 1,801,920; Apr. 21.
Herzmark, Abraham M., Kansas City, Mo. Coffee urn bag. 1,809,935; June 16.
Herzog, Frances R., New York, N. Y. Garment hanger. 1,836,968; Dec. 15.
tubes. 1,837,161; Dec. 15.
Herzog, John, Saginaw, Mich. Typewriter cabinet desk. Des. 85,693; Dec. 8.
Herzog, Robert, Berlin, Germany. Arrangement for switching in the high frequency machine to frequency transformers. 1,830,758; Nov. 10.
Herzog, Robert, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Speed regulating system. 1,807,209; May 26.
Hescock, Ethan N., Westfield, assignor to Henry B. Newhall Corporation, Garwood, N. J. Cable reel. 1,807,786; June 2.
Hess, Albert L., assignor to Cycletow Corporation, Ltd., Los Angeles, Calif. Towable cycle. 1,820,189; Aug. 25.
Hess, Albert L., assignor to Cycletow Corporation, Ltd., Los Angeles, Calif. Auxiliary wheel attachment for cycles. 1,820,190; Aug. 25.
Hess & Barker, Inc. (See Barker, Robert W., assignor.)
Hess-Bright Manufacturing Company, The. (See Runge, Robert F., assignor.)
Hess, Bryce M., Chicago, Ill. Furnace structure. 1,814,694; July 14.
Hess, Charles P., Cleveland, Ohio. Anticreeper for rails. 1,824,544; Sept. 22.
Hess, Dudley, Woodside, N. Y. Combination display stand. 1,787,982; Jan. 6.
Hess, Edward B., Orlando, Fla., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,790,420; Jan. 27.
Hess, Edward B., Orlando, Fla., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,829,931; Nov. 3.
Hess, Edward B., Orlando, Fla., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,836,848; Dec. 15.
Hess, Emil G., Toronto, Ontario, Canada. Radiator cover. 1,798,737; Mar. 31.
Hess, Francis M., Chicago, Ill. Dephlegmating apparatus for distilling plants. 1,820,741; Aug. 25.
Hess, Fritz, Hagen, Westphalia, Germany. Process and apparatus for manufacturing anatomically accurate individual foot supports for shoes. 1,826,783; Oct. 13.
Hess, Gottfried, Winznau, near Olten, Switzerland. Anchor socket. 1,816,970; Aug. 4.
Hess, Isaac C., Fern, Pa. Winter front for automobile radiators. 1,818,328; Aug. 11.
Hess, John. (See White, H. E., Hess, and Neuhausen.)

Hess, Otto, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Synchronizing means for time measuring mechanism. 1,829,398; Oct. 27.
Hess, Raymond W. (See Moses, F. G., Hess, and Perkins.)
Hess, Simon B., New York, N. Y. Protective grating. 1,812,293; June 30.
Hess, Sylvan E., et al. (See Stevens, Perley E., assignor.)
Hess, William T. (See Snyder, W. U., and Hess.)
Hess, William W., Robinson, Ill. Insect destroyer. 1,805,581; May 19.
Hesse, Curt O., Brooklyn, N. Y., assignor to H. B. Wiggin's Sons Company, Bloomfield, N. J. Wall paper or similar article. Des. 83,398; Feb. 17.
Hesse, Curt O., Brooklyn, N. Y., assignor to H. B. Wiggin's Sons Company, Bloomfield, N. J. Wall paper or similar article. Des. 83,399; Feb. 17.
Hesse, Curt O., Brooklyn, N. Y., assignor to H. B. Wiggin's Sons Company, Bloomfield, N. J. Wall paper or similar article. Des. 83,400; Feb. 17.
Hesse, Curt O., Brooklyn, N. Y., assignor to H. B. Wiggin's Sons Company, Bloomfield, N. J. Wall paper or similar article. Des. 83,401; Feb. 17.
Hesse, Leonard, Plymouth, Wis. Circuit control. 1,828,321; Oct. 20.
Hesse, Max, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Shaking sifter. 1,794,075; Feb. 24.
Hessel, Caroline. (See Hardacker, W. E., and Hessel, assignors.)
Hessel, Edward L. (See Hardacker, W. E., and Hessel.)
Hessel, Joseph, Winnipeg, Manitoba, Canada. Shoe expander. 1,803,759; May 5.
Hesselman, Knut J. E., Saltsjo-Storangen, Sweden. Internal combustion engine. 1,835,490; Dec. 8.
Hesselmann, Willy. (See Baumgarten, R., and Hesselmann.)
Hessen, Richard, Bautzen, Germany. Manufacture of condensation products from phenol and formaldehyde. 1,816,255; July 28.
Hessenbruch, Hermann M., Wynnewood, assignor to Philadelphia Lawn Mower Company, Inc., Philadelphia, Pa. Adjustment means for pivoted elements. 1,803,302; Apr. 28.
Hessenbruch, Hermann M., Wynnewood, assignor to Philadelphia Lawn Mower Company, Philadelphia, Pa. Lawn mower frame. 1,809,698; June 9.
Hessenbruch, Hermann M., Wynnewood, assignor to Philadelphia Lawn Mower Company Inc., Philadelphia, Pa. Lawn mower. 1,826,663; Oct. 6.
Hessenbruch, Hermann M., Wynnewood, assignor to Philadelphia Lawn Mower Company Inc., Philadelphia, Pa. Lawn mower. 1,832,390; Nov. 17.
Hessenland, Max. (See Wagner, H., Hessenland, and Brune.)
Hesser, Fr., Maschinenfabrik-Aktiengesellschaft. (See Gangler, Paul, assignor.)
Hessers, Fr., Maschinenfabrik-Aktiengesellschaft. (See Gangler, Paul, assignor.)
Hessert, Karl. (See Schmidt, M. P., and Hessert.)
Hesskew, William R., and J. J. Nulty, San Antonio, Tex. Rail crossing. 1,811,129; June 23.
Hessle, Eric T., Lemont, assignor of one-half to E. H. Woelfel, Morris, Ill. Synthetic tanning materials and making the same. 1,830,320; Nov. 3.
Hesson, Robert B., Middlesex Borough, N. J., assignor to Research Corporation, New York, N. Y. Insulator. 1,806,854; May 26.
Hester, Calvin A., assignor to Guaranty Trust Company, Yakima, Wash. Sack-filling rack. 1,796,288; Mar. 17.
Hester, Edgar A., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical protective device. 1,817,486; Aug. 4.
Heston, Allen L., Columbiana, assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Collapsible tire building form. 1,835,986; Dec. 8.
Hetherington, George V., Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company. Binding post for electrical instruments. 1,820,701; Aug. 25.
Hetherington, Harry C. (See Krase, H. J., Hetherington, and Pinck.)
Hetherington, Robert, Sharon Hill, Pa. Thermostatic control for shower heads. 1,814,512; July 14.
Hetter, Frederick L., San Diego, Calif. Athletic shoe. 1,821,834; Sept. 1.
Hettinger, Charles F., Camden, N. J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Sheet packing. 1,808,774; June 9.
Hettrick Manufacturing Company. (See Mack, Clarence G., assignor.)
Hettrick Manufacturing Company, The. (See Smith, Isidore P., assignor.)
Hettrick, Maurice D., Yelm, Wash. Inclinometer. 1,829,990; Nov. 3.
Hetzel, Charles E., Glenbrook, Conn., assignor to Zeloid Products Corporation, Holyoke, Mass. Treatment of cellulose solutions. 1,807,036; May 26.
Hetzel, Charles E., Glenbrook, Conn., assignor to Zeloid Products Corporation, Holyoke, Mass. Sheet drying machine. 1,831,911; Nov. 17.
Hetzel, Frank L., Los Angeles, Calif., assignor to C. E. Hooven, Hamilton, Ohio. Sound amplifying system. 1,829,991; Nov. 3.
Hetzer, Frank H., Columbus, Ohio. Plant lifter. 1,838,257; Dec. 29.
Hetzer, Josef. (See Kalischer, G., Günther, Keller, and Hetzer.)
Hetzer, Ola I., Seattle, Wash. Statuette for barber shops or beauty parlors. Des. 85,649; Dec. 1.
Heublein, Charles, M., Chicago, Ill. Curtain fixture. 1,791,500; Feb. 10.
Heuck, Claus. (See Eisele, J., Griessbach, and Heuck.)
Heuck, Claus. (See Luther, M., and Heuck.)
Heuck, Claus. (See Luther M., Pungs, Griessbach, and Heuck.)
Heuck, Claus. (See Tochtermann, H., and Heuck.)
Heuck, Claus and H. Enderlein, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of polymerization product of diolefines. 1,809,445; June 9.
Heugas, Henri A., Paris, France. Jewelry clasp. 1,823,043; Sept. 15.
Heule, Everett J., and P. Novak, assignors to Webster Manufacturing Company, Superior, Wis. Extension table. 1,831,174; Nov. 10.
Heuser, Herman, Chicago, Ill. Producing beverages of reduced alcohol content. 1,800,940; Apr. 14.
Heuser, Herman, assignor to United States Process Corporation, Chicago, Ill. Dealcoholizing alcoholic liquids. 1,796,022; Mar. 10.
Heuser, Ralph V., Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Rubber accelerator. 1,798,159; Mar. 31.
Heusner, Karl, and M. Simon, Leverkusen, near Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing azo dyestuffs. 1,795,125; Mar. 3.
Heuze, Charles, Auvelais, Belgium, assignor, by mesne assignments, to The American Bicheroux Company. Apparatus comprising a heated chamber and transporting rollers, such as the annealing apparatus. 1,797,659; Mar. 24.
Hevenor, Charles D., Buffalo, N. Y. Automatic line finder. 1,800,071; Apr. 7.
Hevesi, Menyhert, and R. Metzger, New York, N. Y. Swinging-sliding window. 1,814,753; July 14.
Hevi Duty Electric Company. (See Hansen, Fred A., assignor.)
Hevi Duty Electric Company. (See Koenig, Leon C., assignor.)
Hevi Duty Electric Company. (See Smalley, Edwin L., assignor.)
Hevi Duty Electric Company. (See Stevenson, Cary H., assignor.)
Heward, Emmanuel W., deceased, by G. Heward, executrix, Toronto, Ontario, Canada. Coupling device adapted to be used for engraving machines. 1,789,366; Jan. 20.
Heward, Geraldine, executrix. (See Heward, Emmanuel W.)
Hewett, John R., Schenectady, N. Y., assignor to General Electric Company. Automatic meter-reading device. 1,800,019; Apr. 7.
Hewett, William S., Minneapolis, Minn. Tying concrete. 1,818,254; Aug. 11.
Hewig, William, assignor to H. B. Sherman Manufacturing Company, Battle Creek, Mich. Mixing laundry faucet. 1,838,829; Dec. 29.
Hewig, William, assignor to H. B. Sherman Manufacturing Company, Battle Creek, Mich. Reversible soap dish for double mixing faucets. 1,838,830; Dec. 29.
Hewitt, Albertis, Pitman, N. J., assignor to Victor Talking Machine Company. Electrodeposited diaphragm. 1,793,483; Feb. 24.
Hewitt, Ashley C., Essex Falls, assignor to Engineering Development Associates, Plainfield, N. J. Cowl muffler for aeroplane engines. 1,825,794; Oct. 6.
Hewitt, Edward R., Midvale, N. J., assignor to International Motor Company, New York, N. Y. Fan. 1,820,742; Aug. 25.
Hewitt, Edward T. and W. A., San Francisco, Calif. Air compressor. 1,800,631; Apr. 14.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pipe coupling. 1,820,020; Aug. 25.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Check valve. 1,828,967; Oct. 27.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Check valve seat. 1,832,863; Nov. 24.
Hewitt, Ernest W. (See Rothermel, S. W., and Hewitt.)
Hewitt, Ernest W., Stamford, Conn., assignor to The Western Union Telegraph Company, New York, N. Y. Automatic call signal and motor control for simplex printers. 1,801,348; Apr. 21.
Hewitt, Evert N., Los Angeles, Calif. Pressure drilling head. 1,813,402; July 7.
Hewitt-Gutta Percha Rubber Corporation. (See Curry, W. H., and Dietz, assignors.)
Hewitt, Herbert S., Surbiton, and W. A. Whatmough, New Barnet, England. Combustion chamber. 1,800,070; Apr. 7.
Hewitt, John C., Timmonsville, S. C., assignor of one-half to L. A. Cashwell, Stamford, Conn. Insecticide applying apparatus. 1,825,648; Sept. 29.
Hewitt Mattie J., New Orleans, La. Portable refrigerator. 1,815,405; July 21.
Hewitt, William A. (See Hewitt, Edward T. and W. A.)

Hewitt, William H., assignor of one-half to Ora M. Doolittle, Cumberland, Md. Braking attachment for vehicle motors. 812,787; June 30.
Hewitt, William R., New York, N. Y. Railway tie. 1,834,342; Dec. 1.
Hewitt, William R., New York, N. Y. Tie plate. 1,836,713; Dec. 15.
Hewlett, George J. (See Fullips, George A., assignor.)
Hey, Edmund A., assignor to Rose Field Packing Co., Inc., Alameda, Calif. Preparing food-stuffs. 1,829,932; Nov. 3.
Hey, Harry, A. F. Evans, Melbourne, Victoria, R. T. D. Williams and A. P. Newall, Risdon, Hobart, Tasmania, assignors to Electrolytic Zinc Company of Australasia Limited, Melbourne, Australia. Electrolytic recovery of zinc. 1,811,692; June 23.
Heyboer, Adrian, Grand Rapids, Mich. Edible product. 1,809,383; June 9.
Heydon, Charles E., jr., Naperville, Ill. Attachment for motor vehicles. 1,814,039; July 14.
Heyes, Alfred B., assignor to The Union Switch & Signal Company, Swissvale, Pa. Highway crossing protection. 1,829,956; Nov. 3.
Heyes, Percy F., assignor to S. T. Heyes, Toronto, Ontario, Canada. Paper-utensil-forming die. 1,793,089; Feb. 17.
Heyes, Sidney T. (See Heyes, Percy F., assignor.)
Heyl & Patterson, Inc. (See Brown, Raymond E., assignor.)
Heylandt, Christian W. P., Berlin-Britz, Germany. Method and device for producing compressed gas from liquefied gas. 1,812,954; July 7.
Heylandt, Christian W. P., Lankwitz, Germany, assignor to Fluga Aktien-Gesellschaft, St. Moritz, Switzerland. Method and apparatus for producing compressed gases from liquefied gases. 1,824,889; Sept. 29.
Heylandt, Christian W. P., Berlin-Larkwitz, Germany. Gas supplying method and device therefor. 1,826,248; Oct. 6.
Heyler, Charles J. (See Ziegler, George J., assignor.)
Heyman, Ernst, Frankfort-on-the-Main, Germany. Sieve. 1,814,552; July 14.
Heymann, George H., Louisville, and E. D. Rose, Bowling Green, Ky. Safety razor. 1,825,795; Oct. 6.
Heymann, Hans, and E. Lehr, assignors to the firm: Carl Schenck, Eisengresserei und Maschinenfabrik, Darmstadt, G. m. b. H., Darmstadt, Germany. Conveying of material. 1,810,882; June 16.
Heymann, Hugo, Friedenau, Berlin, Germany, assignor to General Electric Company. Electric rolling mill drive with Leonard control. 1,806,349; May 19.
Heymann, Oscar. (See Bayha, H., Hahn, and Heymann.)
Heymer, James K., assignor to C. M. Warren, guardian of C. W Warren, doing business as Warren Shade Company, Minneapolis, Minn. Supporting means for Venetian blinds. 1,822,890; Sept. 15.
Heyn, Henry M., Toledo, Ohio, and F. H. Trembly, jr., Philadelphia, Pa., assignors to The Surface Combustion Corporation, Toledo, Ohio. Apparatus for heating air. 1,791,561; Feb. 10.
Heyn, Robert E., South Orange, N. J., assignor to The B. V. D. Company, Inc., New York, N. Y. Garment. 1,806,686; May 26
Heyna, Hans. (See Schirmacher, K., Zahn, Hoffa, and Heyna.)
Heyna, Hans. (See Thiess K., Meissner, and Heyna.)
Heyna, Hans, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New vat dyestuffs. 1,822,967; Sept. 15.
Heyna, Hans, and E. Thoma, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 1,836,118; Dec. 15.
Heyne-Davies Engineering Company, The. (See Heyne, Hans R., assignor.)
Heyne, Hans R., assignor to The Heyne-Davies Engineering Company, Toledo, Ohio. Gas generator installation. 1,832,025; Nov. 17.
Heyner, Fritz, assignor to F. Kruckenberg, Heidelberg, Germany. Supporting arrangement for the running rails of high-speed suspension railways. 1,788,460; Jan. 13.
Heyner, Willi, Berlin, and H. Henkel, Neukoll, near Berlin, Germany. Method and tool for securing wire-screw threads to wooden members. 1,816,282; July 28.
Heyroth, Albert H., Wauwatosa, Wis., assignor to Globar Corporation, Niagara Falls, N. Y. Electrical resistance element and manufacturing the same. 1,787,749; Jan. 6.
Heys, George H., et al., executors. (See Heys, John J.)
Heys, John J., deceased, by L. A. Heys, and G. H. Heys, executors, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Pressing soles. 1,811,884; June 30.
Heys, Lucy A., et al., executors. (See Heys, John J.)
Heyward, Francis J., Detroit, Mich. Car heater. 1,787,904; Jan. 6.
Heywood, Charles F., assignor to Sky Specialties Corporation, Detroit, Mich. Auxiliary starting means for internal-combustion engines. 1,789,587; Jan. 20.
Heywood, Charles F., assignor to Sky Specialties Corporation, Detroit, Mich. Valve. 1,790,705; Feb. 3.
Heywood, Charles F., assignor to Sky Specialties Corporation, Detroit, Mich. Supply and relief valve. 1,799,587; Apr. 7.
Heywood, Charles F., assignor to Sky Specialties Corporation, Detroit, Mich. Auxiliary starting means for internal combustion engines. 1,834,311; Dec. 1.
Heywood, R. R., Company. (See Irwin, Henry E., assignor.)
Heywood, Robert R., jr., Orange, N. J. Display device. 1,809,298; June 9.
Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Packaging and banding machine. 1,839,152; Dec. 29.
Heywood-Wakefield Company. (See Bolin, Simon, assignor.)
Heywood-Wakefield Company. (See Brown, Charles A., assignor.)
Heywood-Wakefield Company. (See Larsen, Lewis, assignor.)
Heywood-Wakefield Company. (See Stinson, George, assignor.)
Heyworth, John, Blackpool, P. J. Packmen, Highbury, London, and J. L. Mold, Acton, London, assignors of one-fourth to W. Manning, London, England. Reed instrument and more especially a saxophone. 1,817,487; Aug. 4.
Hiatt, Enos B., Palisade, assignor to The Carpenter-Hiatt Sales Company, Denver, Colo. Device for packing fruit and the like. 1,787,941; Jan. 6.
Hiatt, Enos R., Winchester, Ind. Barrow truck. 1,819,601; Aug. 18.
Hiatt, William G., assignor to Phillips Petroleum Company, Bartlesville, Okla. Treating sulphur bearing gases. 1,807,528; May 26.
Hiatt, William G., assignor to Phillips Petroleum Company, Bartlesville, Okla. Gauging device. 1,823,801; Sept. 15.
Hibbard, Jack. (See Stevens, William, assignor.)
Hibbard, Robert L., Bellevue, Pa. Bending machine. 1,791,620; Feb. 10.
Hibbard, Robert L., Bellevue, assignor of one-half to W. K. Stamets, Pittsburgh, Pa. Machine tool. 1,788,193; Jan. 6.
Hibbe, Charles H. (See Goodman, Charlie, assignor.)
Hibbert, Ernest, Goulburn, New South Wales, assignor to The Pioneer Cell Tyre Company Limited, Sydney, New South Wales, Australia. Pneumatic tire. 1,829,483; Oct. 27.
Hibler, Philip. (See Jurkovich, Conrad, assignor.)
Hibner, De L. E., jr. (See Bruback, T. M., and Hibner.)
Hibner, Philip D., Seattle, Wash. Rotary air compressor. 1,796,843; Mar. 17.
Hibon, Charles, St.-Mande, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Apparatus for grinding, smoothing, and polishing glass. 1,824,347; Sept. 22.
Hice, Sherman, Detroit, Mich. Loading deck for automobiles. 1,807,529; May 26.
Hick, Harry J., assignor to The Hykon Manufacturing Company, Alliance, Ohio. Reel. 1,836,969; Dec. 15.
Hicken, Elmer E. (See Werst, C .W., and Hicken.)
Hicken, Elmer E., Collingswood, N. J. Tender. Re18,066; May 12.
Hicken, Elmer E., Collingswood, N. J. Tender for locomotives. 1,803,252; Apr. 28.
Hickey, Artemas S., Los Angeles, Calif. Thermo-air cooled pipe stem. 1,828,044; Oct. 20.
Hickey Fuse & Manufacturing Company. (See Hickey, John H., assignor.)
Hickey, John, assignor to The National Pipe Bending Company, New Haven, Conn. Water heater. 1,808,166; June 2.
Hickey, John H., assignor to Hickey Fuse & Manufacturing Company, San Francisco, Calif. Refillable fuse. 1,794,710; Mar. 3.
Hickey, John H., assignor to Hickey Fuse & Manufacturing Company, San Francisco, Calif. Refillable electric fuse. 1,796,710; Mar. 17.
Hickey, John H., assignor to Hickey Fuse & Manufacturing Company, San Francisco, Calif. Refillable electric fuse. 1,807,406; May 26.
Hickey, John H., assignor to Hickey Fuse & Manufacturing Company, San Francisco, Calif. Electric fuse. 1,819,293; Aug. 18.
Hickey, John H., assignor to Hickey Fuse & Manufacturing Company, San Francisco, Calif. Fuse. 1,831,002; Nov. 10.
Hickey, John, and W. M. Wright, assignors to The National Pipe Bending Company, New Haven, Conn. Water heating and other heat-transfer apparatus. 1,835,046; Dec. 8.
Hickey, Kidd W., Russell, Kans. Treating crude oil. 1,789,233; Jan. 13.
Hickey, William H., Washington, D. C. Hat badge. Des. 85,872; Dec. 29.
Hickman, Clarence N. (See Stoddard, C. F., and Hickman.)
Hickman, Clarence N., Jackson Heights, assignor, by mesne assignments, to American Piano Corporation, East Rochester, N. Y. Valve unit. 1,800,796; Apr. 14.
Hickman, Clarence N., Jackson Heights, assignor, by mesne assignments ,to American Piano Corporation, East Rochester, N. Y. Grand piano action. 1,823,142; Sept. 15.
Hickman, Kenneth C. D., Rochester, N. Y. Speedometer. 1,797,772; Mar. 24.

Hickman, Robert L., Butte, Mont. Auto dashboard attachment. 1,835,871; Dec. 8.
Hickman, Ross, Wichita Falls, Tex. Preventing freezing of water pipes. 1,815,474; July 21.
Hickok, Arthur S. (See Myers, Hubert A., assignor.)
Hickok, George F., Burlingame, Calif. Shock absorber and stop for pruning shear handles. 1,822,591; Sept. 8.
Hickok Manufacturing Co. (See Hamilton, Harry A., assignor.)
Hickok Mfg. Company. (See Mix, Edwin S., assignor.)
Hickok, W. C., Manufacturing Company. (See Broadmeyer, Albert, assignor.)
Hickok, W. O., Manufacturing Company, The. (See Broadmeyer, Albert, assignor.)
Hickox, George E. F., Providence, and W. T. Mitchell, Central Falls, R. I. Aeroplane landing gear. 1,812,698; June 30.
Hicks, Chester T., assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 85,873; Dec. 29.
Hicks, Chester W., Langley Field, Hampton, Va. Sound amplifier. 1,821,469; Sept. 1.
Hicks, Cyrus W., Waltham, Mass. Rotary engine. 1,821,513; Sept. 1.
Hicks, Dewitt T., Waco, Tex., and V. L. Smithers, Akron, Ohio. Tire construction. 1,836,468; Dec. 15.
Hicks, Donald E., Lansing, Mich. Vacuum valve grinding tool. 1,817,688; Aug. 4.
Hicks, Ernest M. (See Mallery, A. H., and Hicks.)
Hicks, Frank R., jr., and F. A. Mayes, Shreveport, La. Apparatus for refrigerating and dispensing beverages. 1,811,234; June 23.
Hicks, Harlie H., Detroit, Mich., and H. E. Figgie, Coraopolis, Pa., assignors to General Motors Corporation, Detroit, Mich. Bumper. 1,835,567; Dec. 8.
Hicks, Harold A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Airplane construction. 1,802,915; Apr. 28.
Hicks, Harold A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Airplane fuselage construction. 1,803,018; Apr. 28.
Hicks, Harold A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Airplane. 1,810,244; June 16.
Hicks, Harold A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Airplane. 1,816,219; July 28.
Hicks, Harold A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Airplane landing gear. 1,830,901; Nov. 10.
Hicks, Harry W., Brookline, Mass. Collapsible tube. Des. 85,475; Nov. 3.
Hicks, Irving C., assignor of one-half to H. V. Stevens, Topeka, Kans. Steam boiler. 1,809,446; June 9.
Hicks, James H., Chicago, Ill. Box. Des. 85,694; Dec. 8.
Hicks, John N., Los Angeles, and C. Severns, Long Beach, Calif. Drilling and swabbing head. 1,821,096; Sept. 1.
Hicks, John R., assignor to Howard N. Eavenson & Associates, Mining Engineers, Pittsburgh, Pa. Buffer and draw head. 1,822,094; Sept. 8.
Hicks, Joseph J., Los Angeles, Calif. Airship. 1,814,925; July 14.
Hicks, Joseph J., Los Angeles, Calif. Aircraft. 1,825,115; Sept. 29.
Hicks, Nellie K. Maywood, Calif. Instruction chart. 1,825,063; Sept. 29.
Hicks, Raymond M., East Orange, N. J. Timing apparatus. 1,808,167; June 2.
Hicks, Raymond M., East Orange, N. J., assignor to Ward & Crosby, New York, N. Y. Timing apparatus. 1,824,348; Sept. 22.
Hicks, Thomas W. (See Adsit, F. W., and Hicks.)
Hicks', William S., Sons. (See Larter, Halsey M., assignor.)
Hicks, William W. (See Kercher, A. J., and Hicks.)
Hicks, William W. (See Osborne, J. G., and Hicks.)
Hicks, William W., San Francisco, Calif. Electrical water heater. 1,791,095; Feb. 3.
Hicks, William W., San Francisco, Calif. Electric heater. 1,827,788; Oct. 20.
Hickson, Daniel C., assignor to Electrical Research Products Inc., New York, N. Y. Horn support. 1,837,434; Dec. 22.
Hier, Elvet T., Marceline, Mo. Air brake release means. 1,802,916; Apr. 28.
Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Combined desk paper weight, calendar and blotter. Des. 83,968; Apr. 21.
Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Bag frame. Des. 85,179; Sept. 22.
Hiering, William C., assignor to J. E. Mergott Company Newark, N. J. Bag-frame facing. 1,789,438; Jan. 20.
Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag fastener. 1,790,816; Feb. 3.
Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Hand bag. 1,815,912; July 28.
Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Bag fastener. 1,830,201; Nov. 3.
Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag fastener. 1,836,970; Dec. 15.
Hieronymus, Henry C., Nokomis, Ill. Terminal hook. 1,833,835; Nov. 24.
Hiers, Herbert A., and R. H. Hiers, assignors to Noble and Cooley Company, Granville, Mass. Drum and cymbal beater. 1,799,901; Apr. 7.
Hiers, Ralph H. (See Hiers, Herbert A. and R. H.)
Hieser, Albert E., and E. R. Hieser, Pekin, Ill. Fishing reel. 1,825,866; Oct. 6.
Hieser, Edward R. (See Hieser, Albert E. and E. R.)
Higbee, James F., assignor of one-half to S. A. Griggs, Detroit, Mich. Dual wheel assembly. 1,809,699; June 9.
Higbee, Ray P., Edgewood, Pa. Control system. 1,831,069; Nov. 10.
Higby, Roy C. (See Vieau, H. F., and O'Neill, assignors.)
Higby, Roy C., et al. (See Vieau, Harold F., assignor.)
Higdem, Herman, Seattle, Wash. Inner sole for shoes. 1,815,843; July 21.
Higgin Manufacturing Company, The. (See Marshall, Paul K., assignor.)
Higgin Manufacturing Company, The. (See Traut, Clifford, assignor.)
Higginbotham, George W., Takoma Park, Md. Musical instrument. 1,798,020; Mar. 24.
Higgins, Arthur H. (See Lavers, H., and Higgins.)
Higgins, Charles M., & Co. (See Porter, Vernon C., assignor.)
Higgins, Clark F., Melrose Highlands, Mass. Bagging platform for coal trucks. 1,792,586; Feb. 17.
Higgins, Clifford B. (See Higgins, Harry A. and C. B.)
Higgins, Edward, Senford, Fla. Sign. 1,795,126; Mar. 3.
Higgins, Eric B., assignor to United Water Softeners Limited, London, England. Electrolytic production of sterilizing agents, germicides, and the like. 1,806,801; May 26.
Higgins, Eugene, Jackson, Mich. Braiding machine. 1,826,545; Oct. 6.
Higgins, Harry A., assignor to Long Manufacturing Company, Detroit, Mich. Radiator. 1,816,373; July 28.
Higgins, Harry A., deceased, and C. B. Higgins, Detroit, Mich., Detroit and Security Trust Company, trustee, assignor to said C. B. Higgins. Tube-swaging machine. 1,800,526; Apr. 14.
Higgins, James. (See Pipkin, Stanley, assignor.)
Higgins, John H., Amarillo, Tex. Exhaust valve. 1,809,201; June 9.
Higgins, Joseph E., Grand Island, Nebr. Reversing mechanism. 1,804,983; May 12.
Higgins, Mark F. (See Nyborg, Tage G., assignor.)
Higgins, Mark F. (See Nyborg, T. G., and Higgins.)
Higgins, Michael, Mercer, Auckland, New Zealand. Distributor for manure and other material. 1,825,523; Sept. 29.
Higgins, Nicholas F., Chicago, Ill. Cotton picker. 1,805,310; May 12.
Higgins, William, Chicago, Ill. Window ventilator and dust eliminator. 1,795,087; Mar. 3.
Higginson, Conan D., assignor of one-half to G. R. Proctor, Los Angeles, Calif. Impressible sheet material. 1,802,379; Apr. 28.
High, Jurjen S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sound-producing device. 1,788,105; Jan. 6.
High, Jurjen S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Translating device. 1,794,957; Mar. 3.
High, Jurjen S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reproducing device. 1,795,948; Mar. 10.
High, Jurjen S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Translating device. 1,815,564; July 21.
High, Jurjen S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical sound producing device. 1,822,095; Sept. 8.
Highberg, George A. (See Sloan, H. E., and Highberg.)
Highfield, Frank W., Coventry, England. Measuring sounds produced by machinery. 1,790,046; Jan. 27.
Highfield, Frank W., Coventry, England. Power meter. 1,807,530; May 26.
Highfield, Frank W., Coventry, England. Radial-cylinder internal combustion engine. 1,819,097; Aug. 18.
Highfield, William E. (See Calverley, J. E., and Highfield.)
Highfill, Samuel L., Winfield, Kans., and R. P. Mays, Cleveland, Okla. Underreamer. 1,795,367; Mar. 10.
Highfill, Samuel L., Winfield, Kans., and R. P. Mays, Cleveland, Okla. Underreamer. 1,795,372; Mar. 10.
Highland Body Manufacturing Company, The. (See Morrison, James, assignor.)
Highland Body Manufacturing Company, The. (See Roby, Harry L., assignor.)
Highland Western Glass Company. (See Paxton, Elisha W., assignor.)
Highmark, Joseph H., Duluth, Minn. Testing bit. 1,839,153; Dec. 29.
Hight, George F., Auckland, New Zealand. Clutch control for motor-driven shears. 1,800,072; Apr. 7.
Hight, James R., Long Beach, Calif. Sanitary garbage can. 1,802,557; Apr. 28.
Hight, William R. (See Farmer, C. D., and Hight.)
Hightower, Frank W. (See Banta, C., and Hightower.)
Highway Service, Incorporated. (See Nickerson, Alma N., assignor.)
Highway Trailer Company. (See Clement, Charles G., assignor.)
Highway Trailer Company. (See Davis, Durrel H., assignor.)
Highway Trailer Company. (See Helms, Harry W., assignor.)
Highway Trailer Company. (See Williams, Leroy E., assignor.)

Higley, Frank R. (See Clark, M. G., and Higley.)
Higley, Frank R., Cleveland Heights, Ohio, Internal combustion engine. 1,817,624; Aug. 4.
Higley, Frank R., Cleveland Heights, Ohio. Internal combustion engine. 1,826,424; Oct. 6.
Higley, Frank R., Cleveland Heights, Ohio. Power transmission means. 1,817,820; Aug. 4.
Higley, Frank R., Cleveland Heights, Ohio. Internal combustion engine. 1,817,919; Aug. 11.
Higman, George D., Hilltop, Colo. Internal-combustion engine. 1,838,308; Dec. 29.
Higman, William J., Denver, Colo. Metal or composition collapsible fireproof awning. 1,832,301; Nov. 17.
Higson, Percy R. (See Larsson, C. A., and Higson.)
Higuchi, Shiro, Los Angeles, Calif. Treating boiled beans. 1,799,370; Apr. 7.
Hi-Heat Gas Co. Inc. (See Lindbloom, Charles V., assignor.)
Hilburger, Frederick, Castle Rock, Colo. Umbrella holder. 1,827,524; Oct. 13.
Hilburn, Earl D., Oakland, Calif. Airplane control. 1,809,936; June 16.
Hild, Frederic W., Los Angeles, Calif. Earth boring system. 1,802,763; Apr. 28.
Hild, Frederic W., Denver, Colo. Power transmission system. 1,808,222; June 2.
Hild, Frederic W., and G. T. Pollard, Denver, Colo., said Pollard assignor to said Hild. Drilling machine. 1,808,221; June 2.
Hild, Frederic W., Los Angeles, Calif. Well pumping system. 1,830,941; Nov. 10.
Hild, Frederic W., Los Angeles, Calif. Universal electric earth boring device. 1,832,634; Nov. 17.
Hild, Mark W. (See Thurman, W. B., and Hild.)
Hildebrand, Lee E., Marblehead, Mass., assignor to General Electric Company. Annealing magnetic punchings. 1,813,802; July 7.
Hildebrand, Wilhelm, Lichterfelde, Berlin, Germany. Single-chamber compressed-air brake. 1,789,750; Jan. 20.
Hildebrand, Reinhard, Webster Groves, assignor to Fulton Iron Works Company, St. Louis, Mo. Reversing mechanism for internal combustion engines. 1,833,489; Nov. 24.
Hildebrand, Wilhelm, Berlin, Germany. Single chamber compressed air brake. 1,832,391; Nov. 17.
Hildebrand, Wilhelm, Berlin, Germany. Single chamber compressed air brake. 1,832,392; Nov. 17.
Hildebrand, Wilhelm, Lichterfelde, Berlin, Germany. Single chamber compressed air brake. 1,832,393; Nov. 17.
Hildebrandt, Otto, Berlin, Germany. Arch support. 1,822,030; Sept. 8.
Hildebrant, Jozef, Manville, N. J. Direction signal for motor vehicles. 1,790,583; Jan. 27.
Hildreth, A. L., et al. (See McLendon, Alex M., assignor.)
Hildreth, Fred D., Mount Vernon, Ohio. Leak stop. 1,819,169; Aug. 18.
Hildreth, Pauline, Laconia, N. H. Hat form. 1,787,727; Jan. 6.
Hildyard, Ronald J. L., Melbourne, Victoria, Australia. Locking nuts and bolts. 1,789,176; Jan. 13.
Hile, Thomas J., Iron City, and L. D. Barber, Climax, Ga. Power take-off. 1,801,744; Apr. 21.
Hile, Thomas J., Iron City, and L. D. Barber, Climax, Ga. Conveyor. 1,819,955; Aug. 18.
Hiler Engineering & Construction Company. (See Ginnel, Henry, assignor.)
Hilfers, John, New York, N. Y. Diaphragm. 1,800,449; Apr. 14.
Hilgenberg, Carl G., Baltimore, Md. Multiple neck gauge for bottles. 1,808,955; June 9.
Hilger, Adam, Limited. (See Twyman, F., and Smith, assignors.)
Hilger, George, Chicago, Ill. Condenser. 1,798,795; Mar. 31.
Hilger, George, Chicago, Ill. Refrigerating system. 1,818,133; Aug. 11.
Hilger, George, Chicago, Ill. Automatic valve. 1,829,517; Oct. 27.
Hilger, Josef. (See Hentrich, W., Hardtmann, Hilger, and Knoche.)
Hilger, Josef. (See Hentrich, W., Knoche, Tietze, and Hilger.)
Hilger, Joseph. (See Hentrich W., Hardtmann, and Hilger.)
Hilgers, Ernst, Dusseldorf-Oberkassel, Germany, assignor by mesne assignments, to The American Bicheroux Company. Process and machine for rolling raw plate glass. 1,816,374; July 28.
Hill, Ada A., Cleveland, Ohio. Attachment for trucks. 1,829,652; Oct. 27.
Hill, Alexander B., jr. (See Kettering, W. E., and Hill, jr.)
Hill, Alfred C., Vernon, Tex. Display stand. 1,787,859; Jan. 6.
Hill, Alvah F., St. Paul, Minn., and D. C. Lenihan, Le Mars, Iowa. Insulating material. 1,797,263; Mar. 24.
Hill, Brooks I., Neosho, Mo. Device for measuring the opacity of films. 1,798,203; Mar. 31.
Hill, Bruce U. (See Wallisch, L. A., and Hill.)
Hill, Byron R., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Instrument dial. 1,801,812; Apr. 21.
Hill, Charles H., Drexel Hill, Pa., assignor to General Electric Company. Electrical switch gear. 1,821,804; Sept. 1.
Hill, Clement V., assignor to C. V. Hill & Co., Inc., Trenton, N. J. Display case. 1,830,547; Nov. 3.
Hill Clutch Machine and Foundry Company, The. (See Peck, Cecil C., assignor.)
Hill, Cora L., Los Angeles, Calif. Lingerie holder. 1,810,014; June 16.
Hill, C. V., & Co. (See Hill, Clement V., assignor.)
Hill, C. W., Printing Company. (See Kimble, Charles H., jr., assignor.)
Hill, Charles W., and J. Kelley, Marengo, Ill. Engine. 1,836,469; Dec. 15.
Hill, Dewey H., Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind. Electric brooder. 1,800,216; Apr. 14.
Hill, Dewey H., Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind. Thermostatically controlled oil-burner. 1,824,890; Sept. 29.
Hill Diesel Engine Company. (See Hill, Harry D., assignor.)
Hill, Earl V., Chicago, Ill. Psychrometric device. 1,808,351; June 2.
Hill, Earl V., Chicago, Ill. Air cleaning and conditioning apparatus. 1,824,891; Sept. 29.
Hill, Earl V., Chicago, Ill. Temperature control system and apparatus. 1,830,273; Nov. 3.
Hill, Edward W., assignor to A. B. Dick Company, Chicago, Ill. Ink. 1,824,995; Sept. 29.
Hill Engineering Co. (See Bilgram, H., and Hill, assignors.)
Hill & Foster Company Incorporated. (See Foster, Walter W., assignor.)
Hill, Frank F., assignor to Union Oil Company of California, Los Angeles, Calif. Maintaining and increasing flow of failing wells. 1,796,788; Mar. 17.
Hill, Frederick M., Westmont, assignor to The Railroad Supply Company, Chicago, Ill. Interlocking relay. 1,800,200; Apr. 14.
Hill, Geoffrey T. R., Yeovil, assignor to Petters Limited, Yeovil, Somerset, England. Undercarriage for aircraft. 1,818,891; Aug. 11.
Hill, George W., White Plains, assignor to The American Cigar Company, New York, N. Y. Banded cigar. 1,796,711; Mar. 17.
Hill, Glenn G., Indianapolis, Ind., assignor to Electrodor Company, Detroit, Mich. Door operating apparatus. 1,833,943; Dec. 1.
Hill, Harold H., Boston, Mass. Baking oven. 1,789,406; Jan. 20.
Hill, Harold O., Aspinwall, Pa. Footing for towers or the like. 1,805,311; May 12.
Hill, Harold O., Aspinwall, assignor to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Tower construction. 1,806,459; May 19.
Hill, Harry D., assignor to Hill Diesel Engine Company, Lansing, Mich. Filter for fuel injection lines of internal combustion engines. 1,835,047; Dec. 8.
Hill, Harry H., assignor of one-half to G. Lipman, Chicago, Ill. Bird-cage food-holder. 1,820,802; Aug. 25.
Hill, Henry A., assignor to International Association of Lions Clubs, Chicago, Ill. Badge or similar article. Des. 83,159; Jan. 27.
Hill, Herbert, Bradford, England. Spring wheel for automobies and other vehices. 1,815,147; July 21.
Hill, Herbert M., assignor to Illinois Watch Case Company, Elgin, Ill. Spring bar. 1,790,706; Feb. 3.
Hill, Herman, assignor to Syracuse Washington Machine Corporation, Syracuse, N. Y. Ironer. 1,825,350; Sept. 29.
Hill, Hermann, assignor to Syracuse Washing Machine Company, Syracuse, N. Y. Ironer-shoe support. 1,793,316; Feb. 17.
Hill, Howard L., Taft, Calif. Lunch kit. 1,831,663; Nov. 10.
Hill, Irving, and R. H. Clayton, assignors to Lawrence Paper Manufacturing Company, Lawrence, Kans. Egg shipping case. 1,815,565; July 21.
Hill, Jabe, Phoenix, Ariz. Christmas-tree holder. 1,799,513; Apr. 7.
Hill, James E., assignor to Avery Power Machinery Co., Peoria, Ill. Thrashing machine. 1,790,663; Feb. 3.
Hill, Jesse J., Independence, Kans. Well-shooting device. 1,799,046; Mar. 31.
Hill, John H., Wollaston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass. Scraping tool. 1,812,482; June 30.
Hill, John L., et al. (See Hartsook, Clarence G., assignor.)
Hill, Joseph B., Philadelphia, Pa., assignor to The Barrett Company. Purification of solid aromatic hydrocarbons. 1,819,680; Aug. 18.
Hill, Joseph M., Ogden, Utah. Smoke condenser and spark arrester for locomotives. 1,801,508; Apr. 21.
Hill, Leland H., Collingswood, N. J., assignor to Westinghouse Electric & Manufacturing Company. Tap changing system. 1,804,614; May 12.
Hill, Leland H., Collingswood, N. J., assignor to Westinghouse Electric & Manufacturing Company. Equipment for changing taps of electrical apparatus. 1,813,996; July 14.
Hill, Leland H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flow indicator. 1,827,813; Oct. 20.

Hill, Leland H., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Manometer. 1,834,400; Dec. 1.
Hill, Marion M., assignor of one-fourth to M. E. Peck and L. J. Wall, Sioux Falls, S. Dak. Drive extension for trucks. 1,822,623; Sept. 8.
Hill, Maurice G., and T. H. Bristow, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe stiffener and making the same. 1,821,939; Sept. 8.
Hill, Maxwell H., assignor to Gleason Works, Rochester, N. Y. Method of and machine for producing gears. 1,797,341; Mar. 24.
Hill, Maxwell H., assignor to Gleason Works, Rochester, N. Y. Gear cutting machine. 1,816,375; July 28.
Hill, Maxwell H., assignor to Gleason Works, Rochester, N. Y. Indexing mechanism. 1,827,007; Oct. 13.
Hill, Maxwell H., and L. O. Carlsen, assignors to Gleason Works, Rochester, N. Y. Gear cutting machine. 1,816,376; July 28.
Hill, Myron F. (See Bilgram, H., and Hill.)
Hill, Myron F., Lansdowne, Pa. Making internal rotors. 1,833,993; Dec. 1.
Hill, N. N. Brass Company, The. (See Hill, Wyman N., assignor.)
Hill, N. N., Brass Company, The. (See Wood, William C., assignor.)
Hill, Orrin K., assignor of one-half to A. E. De Koning, Portland, Oreg. Cut-off sawing machine. 1,800,450; Apr. 14.
Hill, Paul E., and I. C. Matthiessen, assignors, by mesne assignments, to American Automatic Typewriter Co., Chicago, Ill. Record perforating machine. 1,836,971; Dec. 15.
Hill, Percy L., deceased, New York, N. Y., J. W. Anderson, administrator. Character carrier for composing machines. 1,796,023; Mar. 10.
Hill, Raymond P. (See Hatch, R. S., Wolf, and Hill.)
Hill, Raymond P. (See Wolf, R. B., Hill, and Hatch.)
Hill, Remmel H., Columbia, Mo. Instrument tray. 1,822,487; Sept. 8.
Hill, Robert. (See Townsend, K., and Hill.)
Hill, Robert, Aylmer, Quebec, Canada. Apparatus for stacking mail. 1,819,556; Aug. 18.
Hill, Robert J., Cranston, R. I., assignor to The Travelers Insurance Company, Hartford, Conn. Book end. Des. 84,036; Apr. 28.
Hill, Roger B. (See Elder, Robert F., and Hill, assignors.)
Hill, Roger B. (See Richter, G. A., and Hill.)
Hill, Roger B. (See Van Arsdel, W. B., and Hill.)
Hill, Roger B. (See Vogel, F. W., Brown, and Hill.)
Hill, Roger B., assignor to Brown Company, Berlin, N. H. Conditioning of alkali preserved latex and conditioned product. 1,834,490; Dec. 1.
Hill, Roger B., assignor to Brown Company, Berlin, N. H. Treatment of aqueous rubber dispersions and product of same. 1,836,595; Dec. 15.
Hill, Roger B., assignor to Brown Company, Berlin, N. H. Treatment of rubber latex and product of same. 1,837,162; Dec. 15.
Hill, Roger M., Washington, D. C. Radiant and reflector adjusting mechanism for projection apparatus. 1,795,169; Mar. 3.
Hill, Roland E., assignor to Williams Sealing Corporation, Decatur, Ill. Bottle capping machine. 1,814,386; July 14.
Hill, Rowland F., assignor to The National Supply Company, Toledo, Ohio. Pull-rod clamp. 1,801,235; Apr. 14.
Hill, Rowland F., Toledo, Ohio, assignor to The National Supply Company, Toledo, Ohio. Float plug and guide for well casings. 1,811,885; June 30.
Hill, Rowland F., assignor to The National Supply Company, Toledo, Ohio. Anchorage device. 1,823,428; Sept. 15.
Hill, Rowland F., Toledo, Ohio. Safety hook-off. 1,826,883; Oct. 13.
Hill, Roy L., assignor to Atlas Powder Company, Wilmington, Del. Water tight explosive cartridge. 1,824,141; Sept. 22.
Hill, Roy L., assignor to Atlas Powder Company, Wilmington, Del. Black powder and manufacturing the same. 1,833,573; Nov. 24.
Hill, Sydney B. N., assignor of one-half to The Chesterfield Tube Company Limited, Chesterfield, England. Hollow metal container. 1,798,535; Mar. 31.
Hill, Theodore, Baltimore, Md. Motion picture machine. 1,814,217; July 14.
Hill, Thomas, Detroit, Mich. Plate holder. 1,803,431; May 5.
Hill, Thomas D., New York, N. Y. Texturing, mottling, and blending tool. 1,789,627; Jan. 20.
Hill, Walter B., Memphis, Tenn. Eradicating insects. 1,795,488; Mar. 10.
Hill, Walter M., Chicago, and R. E. McFarland, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for working strand coverings. 1,835,597; Dec. 8.
Hill, Ward B., and V. M. Watt, Indianapolis, Ind. Lubricating means. 1,810,175; June 16.
Hill, Warren H. (See Addison, E. C., and Hill.)
Hill, William B., San Francisco, Calif. Adjustable window shade hanger. 1,802,894; Apr. 28.
Hill, William D., Alliance, Ohio. Handle for cooking utensils and the like. 1,831,111; Nov. 10.
Hill, William H., Canton, Ohio. Internal combustion engine. 1,816,432; July 28.
Hill, Wyman N., assignor to The N. N. Hill Brass Company, East Hampton, Conn. Toy telephone. 1,808,036; June 2.
Hill, Wyman N., assignor to The N. N. Hill Brass Company, East Hampton, Conn. Toy telephone. 1,808,037; June 2.
Hillan, Joseph L., Austin, Minn. Combined grate shaker housing and locking device. 1,831,415; Nov. 10.
Hillard, Frederic W., Prince Bay, Staten Island, N. Y., assignor to M. R. Hillard, Middlebury, Conn. Typewriting machine. 1,810,522; June 16.
Hillard, Mary R. (See Hillard, Frederic W., assignor.)
Hillborn, Herbert J., Milwaukee, Wis., assignor, by mesne assignments, to Outboard Motors Corporation, Detroit, Mich. Outboard-motor centering lock. 1,790,863; Feb. 3.
Hillebrand, Hermann, Berlin-Friedrichshafen, Germany. Method for the total gasification of wet bituminous fuels. 1,791,411; Feb. 3.
Hiller, Alexander H., et al. (See Schwarzenzer, Alex, assignor.)
Hiller, Everett O., assignor to Hartford Empire Company, Hartford, Conn. Method and apparatus for feeding glass charges of different colors. 1,828,226; Oct. 20.
Hiller, Everett O., assignor to Hartford-Empire Company, Hartford, Conn. Conveyer structure. 1,833,289; Nov. 24.
Hiller, Heinrich. (See Müller, W. J., and Hill.)
Hiller, Mamie, et al. (See Schwarzenzer, Alex, assignor.)
Hiller, Stanley, Oakland, Calif. Rendering process. 1,789,751; Jan. 20.
Hiller, Stanley, Oakland, Calif. Rendering process. 1,821,639; Sept. 1.
Hiller, Stanley, Oakland, Calif., and A. E. Ozouf, Chicago, Ill. Screw press. 1,828,968; Oct. 27.
Hillery, George A., New Orleans, La. Cooling apparatus. 1,791,814; Feb. 10.
Hilliard, Glenn E., Brackenridge, Pa. Treating steel scrap in open-hearth furnaces. 1,793,441; Feb. 17.
Hilliard, Glenn E., Brackenridge, Pa. Making open-hearth steel. 1,793,442; Feb. 17.
Hilliard, John D., Schnectady, N. Y., assignor to General Electric Company. Safety valve for electric switches. 1,792,302; Feb. 10.
Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electrical transmission device. 1,809,700; June 9.
Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,812,746; June 30.
Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Circuit closing mechanism. 1,823,738; Sept. 15.
Hillman, Hermann, Berlin-Friedrichshagen, Germany. Float for hydroplanes, flying boats, and the like. 1,794,898; Mar. 3.
Hillpot, William F., Frenchtown, N. J. Automatically-operative humidifier. 1,791,313; Feb. 3.
Hillpot, William F., Frenchtown, N. J. Incubator. 1,792,907; Feb. 17.
Hillpot, William F., Frenchtown, N. J. Incubator mechanism. 1,797,503; Mar. 24.
Hillpot, William F., Frenchtown, N. J. Incubator. 1,799,514; Apr. 7.
Hillpot, William F., Frenchtown, N. J. Incubator egg tray loader. 1,808,552; June 2.
Hillpot, William F., Frenchtown, N. J. Incubator egg tray. 1,808,553; June 2.
Hillpot, William F., Frenchtown, N. J. Incubator mechanism. 1,827,984; Oct. 20.
Hillpot, William F., Frenchtown, N. J. Incubator hatching compartment. 1,833,020; Nov. 24.
Hills Brothers Company, The. (See Smith, Albert K., assignor.)
Hills, Burton U., Chicago, Ill. Steam generator. 1,836,247; Dec. 15.
Hills, Fred W. (See Hills, Wallie and F. W.)
Hills, Horace, Inc. (See Nielsen, Jens P., assignor.)
Hills, John H., Grand Rapids, Mich., assignor to Bousman Mfg. Co. Filter. 1,787,577; Jan. 6.
Hills, John H., Grand Rapids, Mich., assignor to Bousman Mfg. Co. Filter. 1,820,974; Sept. 1.
Hills, Paul W., assignor to Allen and Hills, Incorporated, Auburn, N. Y. Shuttle and manufacture. 1,805,090; May 12.
Hills, Reuben B., Northampton, Mass. Drinking-fountain head or similar article. Des. 83,729; Mar. 24.
Hills, Wallie and F. W., Ashton, assignors of one-third to A. A. Fisk, Hutchinson, Kans. Adjustable connecting rod. 1,805,825; May 19.
Hillyard, Newton S., St. Joseph, Mo. Container. 1,802,509; Apr. 28.
Hilpert, Meier G., Bethlehem, Pa. Turntable or transfer table and truck construction therefor. 1,811,930; June 30.
Hilpert, Meier G., Bethlehem, Pa. Equalizing truck construction. 1,811,931; June 30.
Hilpert, Meier G., Bethlehem, Pa. Fabricated truck for cranes and the like and method of constructing same. 1,831,112; Nov. 10.
Hilpman, John H., Hollis, N. Y., assignor to Mergenthaler Linotype Company. Typographical assembling mechanism. 1,833,113; Nov. 24.

Hilpman, John H., Hollis, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 1,835,491; Dec. 8.
Hilsabeck, Ernest G. (See Hardin, Harvey H., assignor.)
Hilscher, Curt, Chemnitz, Germany. Circular knitting machine. 1,831,773; Nov. 10.
Hilscher, Curt, Chemnitz, Germany. Hosiery knitting machine. 1,837,867; Dec. 22.
Hilsheimer, Forrest, Chillicothe, Ohio. Inlet for paper making machines. 1,809,937; June 16.
Hilstad, John R., assignor of two-thirds to G. G. Griffith and one-third to H. H. Canterbury, Whittier, Calif. Portable power operated hammer. 1,809,340; June 9.
Hilton, George C. (See Masek, George G., assignor.)
Hilton, Jack L., assignor to The Commercial Shearing and Stamping Company, Youngstown, Ohio. Tunnel liner form. 1,802,815; Apr. 28.
Hilton, Linwood B. (See Whittle, H., and Hilton.)
Hilton, Ralph W., assignor of one-half to H. W. Brown, Wichita, Kans. Wing spar for aeroplanes. 1,816,678; July 28.
Hiltscher, John F. (See O'Leary, C. M., and Hiltscher.)
Hiltscher, Lucille U., administratrix. (See O'Leary, C. M., assignor, and Hiltscher.)
Hiltz, George S., Brooklyn, N. Y., and W. F. Purcell, Hoboken, N. J., assignors to Stock Quotation Telegraph Company, New York, N. Y. Printing telegraph system. 1,827,362; Oct. 13.
Himberger, Earl W., assignor to Pacific Marine Supply Company, Seattle, Wash. Buoy light. 1,817,312; Aug. 4.
Himes, Walter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Worm gear reduction mechanism. 1,813,997; July 14.
Himmel Brothers Company, The. (See Himmel, Fred and I., assignors.)
Himmel, Fred and I., assignors to The Himmel Brothers Company, New Haven, Conn. Door for shower-bath cabinets. Des. 83,443; Feb. 24.
Himmel, Fred and I., assignors to The Himmel Brothers Company, New Haven, Conn. Corner clamp for store front construction. Des. 84,192; May 19.
Himmel, Fred and I., assignors to The Himmel Brothers Company, New Haven, Conn. Corner-piece for store-front construction. Des. 85,824; Dec. 22.
Himmel, Fred and I., assignors to The Himmel Brothers Co., New Haven, Conn. Store-front construction. 1,795,429; Mar. 10.
Himmel, Fred and I., assignors to The Himmel Brothers Company, New Haven, Conn. Corner-clamp for store-front construction. 1,801,273; Apr. 21.
Himmel, Isidore. (See Himmel, Fred and I.)
Himmell, Samuel S., New York, N. Y. Educational toy. 1,825,231; Sept. 29.
Himmell, Samuel S., New York, N. Y. Safety paper. 1,825,796; Oct. 6.
Himmelright, Raleigh J., New Rochelle, N. Y., assignor to General Refractories Company, Philadelphia, Pa. Fire box construction. 1,826,784; Oct. 13.
Himmelsbach, Franz, and H. Tormin, Freiburg, in Baden, assignors, by mesne assignments, to Impreva Holzimpragnierung und Holzverwertung Aktiengesellschaft, Charlottenburg, Germany. Log-barking machine. 1,791,242; Feb. 3.
Hinchliff, Edward C., assignor to Burson Knitting Company, Rockford, Ill. Multiple suture yarn control. 1,812,653; June 30.
Hinckley, Frederick P., Jackson, Mich. Air compressor. 1,791,672; Feb. 10.
Hinckley & Schmitt. (See Schmitt, Victor T., assignor.)
Hinckley, Willard H., St. Paul, assignor to Gilmore-McArdle Co., Minneapolis, Minn. Self-contained power and transmission unit. 1,793,801; Feb. 24.
Hindahl, David. (See Hart, H. S., and Hindahl.)
Hindahl, David, Chicago, Ill. Brake-beam safety support. 1,791,621; Feb. 10.
Hindahl, David, assignor to Rodger Ballast Car Company, Chicago, Ill. Ballast car. 1,800,832; Apr. 14.
Hinde & Dauch Paper Company, The. (See Gagen, Thomas H., assignor.)
Hinde, Henry J., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Adjustable connection for power presses. 1,796,844; Mar. 17.
Hinderer, Louis C. and W. F., Kankakee, Ill. Push button window lock. 1,821,835; Sept. 1.
Hinderer, Walter F. (See Hinderer, L. C. and W. F.)
Hinderliter, Frank J., Tulsa, Okla. Wedge-type wrist pin. 1,799,813; Apr. 7.
Hinderliter Tool Company. (See Mildren, Lory J., assignor.)
Hinderliter Tool Company. (See Smith, Charles E. assignor.)
Hindle, Charles F., assignor to Cambridge Instrument Company, Inc., Ossining, N. Y. Recording camera. 1,791,207; Feb. 3.
Hindle, John H. and T., Haslingden, England. Driving and controlling mechanism of looms for weaving. 1,812,206; June 30.
Hindle, Thomas. (See Hindle, John H. and T.)
Hindle, Thomas, Haslingden, England. Drier felt for use in paper-making machines. 1,801,081; Apr. 14.
Hindle, Thomas, Hashingden, England. Paper maker's drier felt. 1,812,148; June 30.
Hindle, Thomas, Haslingden, England. Paper maker's drier felt. 1,834,343; Dec. 1.
Hindley-Smith, James D., Hampstead, London, and S. H. Holmes, St. Marylebone, London, England. Time controlled and operated electric switch. 1,836,778; Dec. 15.
Hinds, Henry P., Pittsfield, Mass., assignor to General Electric Company. Electric fuse. 1,828,659; Oct. 20.
Hinds, Orville Q., Chicago, Ill. Foot controlled accelerator and brake mechanism. 1,804,615; May 12.
Hinds, Robert L., Toledo, Ohio. Electric tool. 1,810,212; June 16.
Hinds, Sidney R., U. S. Army, Fort Leonard Wood, Md. Brake and clutch-pedal interlocking mechanism. 1,797,575; Mar. 24.
Hindu Incense Mfg. Co. (See Radkus, Laurent V., assignor.)
Hineline, George M., Rice Lake, Wis. Rotary snow remover. 1,814,695; July 14.
Hines, Claude V. (See Milton, C. W., and Price, assignors.)
Hines, Edward W., trustee. (See McFadin, Searcy L., assignor.)
Hines, Edwin G., Drums, Pa. Card game. 1,798,672; Mar. 31.
Hines, Elver L. (See Driess, Oscar M., assignor.)
Hines, Francis J., Brooklyn, N. Y. Electrical receptacle. 1,823,143; Sept. 15.
Hines, Francis J., Brooklyn, N. Y. Electrical receptacle. 1,830,466; Nov. 3.
Hines, Frank S., Northfield, Minn. Weighing attachment for meat slicers. 1,807,313; May 26.
Hines, Gail H., Lansing, Mich. Flexible automatic transmission. 1,809,412; June 9.
Hines, James F., Cleveland, Ohio. Mold container. 1,790,921; Feb. 3.
Hines, James F., Lakewood, Ohio. Mold jacket. 1,834,618; Dec. 1.
Hines, John, Astoria, assignor to Segal Lock & Hardware Co., Inc., New York, N. Y. Actuator. 1,810,350; June 16.
Hines, John, Astoria, assignor to Segal Lock & Hardware Co., Inc., New York, N. Y. Fastening device. 1,810,351; June 16.
Hines, John, Astoria, assignor to Segal Lock & Hardware Co. Inc., New York, N. Y. Lock. 1,820,565; Aug. 25.
Hines, John, Astoria, assignor to Segal Lock & Hardware Co., Inc., New York, N. Y. Lock. 1,833,994; Dec. 1.
Hines, William, Washington, D. C. Eraser. 1,801,003; Apr. 14.
Hines, William A. (See Cook, William P., assignor.)
Hingley, Thomas P., London, England. Coupling or clamp for scaffolding or other purposes. 1,834,838; Dec. 1.
Hingley, Thomas P., London, England. Construction of couplings or clamps for scaffolding or other purposes. 1,834,839; Dec. 1.
Hingst, Albert K. G., assignor to Frans van der Grinten, Benlo, Netherlands. Apparatus for applying thin even layers of liquids on surfaces. 1,821,306; Sept. 1.
Hinkel, Frederick C. (See Snyder, Truman R., assignor.)
Hinks, Fred L., Fort Dodge, Iowa. Rotatable sign. 1,801,274; Apr. 21.
Hinkson, Adelbert M., Madawaska, Me., assignor, by mesne assignments, to Paper Machinery Corporation, Dayton, Ohio. Method of and apparatus for making paper. 1,818,712; Aug. 11.
Hinkston, Donald R., South Pasadena, Calif. Pipe plug. 1,808,411; June 2.
Hinlein, J. H., & Sons. (See Hinlein, Stanley H., assignor.)
Hinlein, Stanley H., Elkins Park, assignor to J. H. Hinlein & Sons, Philadelphia, Pa. Chenille yarn. 1,829,446; Oct. 27.
Hinman, George L., New Haven, Conn., assignor to The Greist Manufacturing Company. Rotary index. 1,803,553; May 5.
Hinman, George L., assignor to The Greist Manufacturing Co., New Haven, Conn. Doorlatch. 1,805,091; May 12.
Hinman Milking Machine Company Incorporated. (See Hinman, Ralph L., assignor.)
Hinman, Ralph L., assignor to Hinman Milking Machine Company Incorporated, Oneida, N. Y. Milking machine. 1,803,253; Apr. 28.
Hinman, Ralph L., assignor to Hinman Milking Machine Company, Incorporated, Oneida, N. Y. Milking machine. 1,810,477; June 16.
Hinnekens, Florent, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Friction coupling. 1,807,210; May 26.
Hinnenkamp, Elmer F., assignor, by mesne assignments, to The Ohio Pattern Works and Foundry Company, Cincinnati, Ohio. Valve. 1,803,113; Apr. 28.
Hinrich, Robert M., assignor to Drake-Avery Company, Detroit, Mich. Machine for bending sheet metal. 1,815,102; July 21.
Hinsch, Louis L., Sidney, assignor to The Cleveland Stoker Company, Cleveland, Ohio. Stoker feeding mechanism. 1,833,647; Nov. 24.
Hinsch, Walter H., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,808,223; June 2.
Hinsen, William, Cat Spring, Tex. Traveling wheeled gyroscopic toy. 1,821,940; Sept. 8.

Hinshaw, Foster A., St. Albans, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching device. 1,792,496; Feb. 17.
Hintermann, Jacob. (See Jones, B. M., and Hintermann.)
Hinton, Henry, Fleming, Ky. Self-serving table. 1,797,828; Mar. 24.
Hinton, Leroy E., assignor of one-half to R. Page, Chicago, Ill. Draft normalizer. 1,793,802; Feb. 24.
Hinton, Norman P., Timperley, England, assignor to Associated Electrical Industries Limited. Receiving apparatus for high-frequency signaling systems. 1,788,106; Jan. 6.
Hintz, Edward C., Joliet, and T. W. Klipfel, Chicago, Ill. Typist's hand rest. 1,801,669; Apr. 21.
Hintz, Henry E., Moline, assignor to Williams, White & Co., Moline, Ill. Mechanism for electric control of mechanical movements. 1,821,514; Sept. 1.
Hintz, John F., Brillion, Wis. Poultry feeder. 1,825,524; Sept. 29.
Hintze, Walter B., et al. (See Sheller, John C., assignor.)
Hipkins, Franklin E. (See Kline, J., and Hipkins.)
Hippee, Herndon P., deceased, Des Moines, Iowa; M. B. Hippee, administratrix, assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerator. 1,820,070; Aug. 25.
Hippee, Marguerite B., administratrix. (See Hippee, Herndon P.)
Hippenmeyer, Irving R., Waukesha, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Bottle-washing apparatus. 1,787,983; Jan. 6.
Hippenmeyer, Irving R., Waukesha, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Bottle-washing machine. 1,787,984; Jan. 6.
Hippenmeyer, Irving R., Waukesha, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Unloading mechanism for can washing machines. 1,805,142; May 12.
Hippenmeyer, Irving R., Waukesha, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Prerinsing device for bottle washers. 1,831,351; Nov. 10.
Hippenmeyer, Irving R., Waukesha, Wis., assignor to The Creamery Package Mfg. Company, Chicago Ill. Bottle washing machine. 1,831,352; Nov. 10.
Hippenmeyer, Irving R., Waukesha, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Conveyor for can washing machines. 1,831,388; Nov. 10.
Hipple, James L. (See Lindgren, A. C., and Hipple.)
Hipple, Percy A., Atlanta, Ga. Compacting, finishing and curing concrete pavements. 1,807,116; May 26.
Hire, Charles, Murray, Ky. Force table. 1,806,350; May 19.
Hirner, Emil A., Allentown, Pa. Safety feed for wringers. 1,813,403; July 7.
Hirner, Emil A., Allentown, Pa. Wringer. 1,820,308; Aug. 25.
Hirons, Frederic C., New York, Frederic W. Mellor, White Plains, N. Y., and Daniel R. Alvord, Greenfield, Mass. Bank fixture. 1,821,708; Sept. 1.
Hirsch, Carl, assignor to Hugo Schneider Aktiengesellschaft, Leipzig, Germany. Searchlight. 1,833,574; Nov. 24.
Hirsch, Frank F., Chicago, Ill. Register. 1,787,860; Jan. 6.
Hirsch, Henry, Jersey City, N. J. Cord cutter. 1,795,394; Mar. 10.
Hirsch, Henry, Jersey City, N. J. Laundry device. 1,817,821; Aug. 4.
Hirsch, Joseph M. (See Hahus, Alvin F., assignor.)
Hirsch, Kupfer- and Messingwerke Akt.-Ges. (See Linnhoff, Franz, assignor.)
Hirsch, Kupfer- and Messingwerke, A. G. (See Tama, Cyrano, assignor.)
Hirsch, Mortiz, Frankfort-on-the-Main, Germany. Refrigeration apparatus. 1,805,400; May 12.
Hirsch, Paul A., New York, N. Y. Outfeeding means for fuel pulverizing machines. 1,828,712; Oct. 20.
Hirsch, Sidney, New York, N. Y., and J. F. Singer, Nutley, N. J., assignors to Photomaton, Inc., New York, N. Y. Positioning device for users of automatic photographic machines. 1,824,269; Sept. 22.
Hirsch, Stephen G., assignor to Ocean City Manufacturing Co., Philadelphia, Pa. Fishing reel. 1,836,755; Dec. 15.
Hirschberger, Josef, South Orange, N. J. Treatment of rayon and the product produced thereby. 1,819,241; Aug. 18.
Hirschberger, Siegfried, Astoria, N. Y. Hanger. 1,837,046; Dec. 15.
Hirschhorn, Samuel, et al. (See Broillet, Jean B., assignor.)
Hirschler, Otto. (See Skraup, S., and Hirschler.)
Hirschmann, Frederick J., San Leandro, Calif. Freight-car door. 1788,488; Jan. 13.
Hirschmann, Pauline H., et al. (See Stephens, Thomas J., assignor.)
Hirschwald, Franz, Berlin, Germany. Sleeve-length-adjusting device. 1,797,984; Mar. 24.
Hirschy Company, The. (See Hirschy, Herman C., assignor.)
Hirschy, Herman C., assignor to The Hirschy Company, Duluth, Minn. Attachment for washing machines. 1,790,584; Jan. 27.
Hirschy, Herman C., assignor to The Hirschy Company Duluth, Minn. Washing machine transmission. 1,823,271; Sept. 15.
Hirsh, Fred, New York, N. Y., assignor, to Adjusta Company. Apparel clasp. Des. 85,695; Dec. 8.
Hirshfeld, Clarence F. (See Snow, N. L., and Hirshfeld.)
Hirshfield, Daved. (See Weritz, J., and Hirshfield.)
Hirshson, George W., assignor to G. H. Reynolds, New Bedford, Mass. Advertising device for letterheads, folders, and the like. 1,837,323; Dec. 22.
Hirshstein, Joseph, assignor to The Josam Manufacturing Company, Cleveland, Ohio. Drain. 1,809,413; June 9.
Hirst, Harry A. (See Potter, Elbert R., assignor.)
Hirst, Herbert. (See Longworth, J. R., and Hirst.)
Hirst, James E., assignor to The J. A. Fay & Egan Company, Cincinnati, Ohio. Support and slide for endless feed chains of sawing machines and the like. 1,796,369; Mar. 17.
Hirst, Maurice D., Ocean City, N. J., assignor of one-half to L. A. Goodwin, Philadelphia, Pa. Degreasing apparatus. 1,795,170; Mar. 3.
Hirt, Harriet M., executrix. (See Hirt, Jules H.)
Hirt, Jules H., deceased, El Paso, Tex.; H. M. Hirt, executrix, assignor L. J. Hirt, New York, N. Y. Composition for purifying petroleum oils. 1,809,554; June 9.
Hirt, L. J. (See Hirt, Jules H., assignor.)
Hirtenstein, Max M., Jamaica, N. Y. Game board. Des. 84,477; June 23.
Hirvonen, Erik J., Pontiac, Mich. and W. W. Tuttle, deceased, Putnam, Conn., H. A. Tuttle, administrator, Upton, Mass., assignors, by mesne assignments, to Bendix Brake Company, South Bend, Ind. Support for brake backing plates. 1,817,748; Aug. 4.
Hirvonen, Erik J., Pontiac, Mich., and W. W. Tuttle, deceased, Putnam, Conn., by Henry A. Tuttle, administrator, Upton, Mass., assignors, by mesne assignments, to Bendix Brake Company, South Bend, Ind. Brake. 1,821,156; Sept. 1.
Hise, George L., Ambridge, Pa. Conveyer. 1,816,327; July 28.
Hiser, Charles H., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Clamping device. 1,799,464; Apr. 7.
Hisey, William C., Washington, D. C. Flytrap. 1,793,366; Feb. 17.
Hiskey, Daniel R., San Gabriel, assignor of one-fourth to McRae Paint Products, Inc., Los Angeles, Calif. Pipe painting apparatus. 1,829,831; Nov. 3.
Hiss, Fielder I., assignor to Robbins & Myers, Inc., Springfield, Ohio. Short-circuiting device. 1,788,194; Jan. 6.
Hitchcock, Forrest L., assignor to Marietta Manufacturing Co., Indianapolis, Ind. Edging machine. 1,797,342; Mar. 24.
Hitchcock, Forrest L., assignor to Marietta Manufacturing Co., Indianapolis, Ind. Beveling machine. 1,798,421; Mar. 31.
Hitchcock, Frank A. (See Pearson, J. C., and Hitchcock.)
Hitchcock, Guy F., Houston, Tex., assignor of one-third to J. L. Tomlinson and one-third to T. H. Meeks, Harris County, Tex. Air-release valve. Re18,029; Apr. 7.
Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Process and apparatus for making plate glass. 1,833,398; Nov. 24.
Hitchcock, Otto G., assignor to Hays Manufacturing Co., Erie, Pa. Pipe coupling. 1,818,255; Aug. 11.
Hitchcock, Otto G., assignor to Hays Manufacturing Co., Erie, Pa. Pipe coupling. 1,838,180; Dec. 29.
Hitchcock, Reuben, Bratenahl, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper handling machine. 1,825,398; Sept. 29.
Hitchcock, Reuben, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Machine for producing paper signatures. 1,831,245; Nov. 10.
Hitchcock, Reuben, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Method and machine for folding paper. 1,831,246; Nov. 10.
Hitchcock, Richard C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oscillation generator. 1,790,148; Jan. 27.
Hitchcock, Richard C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control device. 1,815,566; July 21.
Hitchcock, William J., Scotia, N. Y., assignor to General Electric Company. Cathode ray device. 1,814,805; July 14.
Hitchiner, Frank, Falconer, N. Y. Eyeglasses. 1,802,424; Apr. 28.
Hitchings, Harry M., Minneapolis, Minn. Process and apparatus for storing eggs. 1,792,303; Feb. 10.
Hitchman, Albert, Butler, Ohio. Store service apparatus. 1,829,140; Oct. 27.
Hite, Harold N., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Variable electrical resistance. 1,793,090; Feb. 17.
Hite, John R., Philadelphia, Pa. Cable clamp. 1,793,932; Feb. 24.
Hitner, Harry F. (See Fox, J. H., and Hitner.)
Hitner, Harry F., Oakmont, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for melting glass and similar substances. Re18,071; May 19.
Hitner, Harry F., Oakmont, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making glass. 1,799,371; Apr. 7.
Hitner, Harry F., Oakmont, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making glass. 1,815,977; July 28.

Hitner, Harry F., Oakmont, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making glass. 1,815,978; July 28.
Hitner, Harry F., Oakmont, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making glass. 1,827,471; Oct. 13.
Hitner, Harry F., Oakmont, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making glass. 1,827,472; Oct. 13.
Hitt, Parker, assignor to International Communications Laboratories, Inc., New York, N. Y. Device for insuring privacy of reception of printing telegraph messages. 1,834,278; Dec. 1.
Hitt, Raymond C., Seattle, Wash. Amusement pipe. 1,793,852; Feb. 24.
Hitt, Samuel E., Elyria, Ohio. Aerofoil for aeroships, control of inclination. 1,795,721; Mar. 10.
Hitt, Samuel E., Elyria, Ohio. Cabin for air and water craft. 1,815,103; July 21.
Hitt, Samuel E., Elyria, Ohio. Aerofoil for aeroships. 1,817,920; Aug. 11.
Hitt, Samuel E., Elyria, Ohio. Air valve for aerofoils. 1,831,247; Nov. 10.
Hitt, Samuel E., Elyria, Ohio. Propeller turret for propulsion and steering of aeroships. 1,838,258; Dec. 29.
Hitt, Samuel E., Elyria, Ohio. Control of air valves for aerofoils. 1,838,484; Dec. 29.
Hitt, Thomas G., Seattle, Wash. Pyrotechnic display device. 1,818,478; Aug. 11.
Hitt, Thomas G., Seattle, Wash. Firecracker. 1,825,589; Sept. 29.
Hitt, Verlington F., and J. O. Evans, Miami Beach, Fla. Opening and closing device for rumble seats. 1,797,144; Mar. 17.
Hittle, Dalphin L. (See Arthur, J. L., and Hittle.)
Hittle, Dalphin L., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition device. 1,807,624; June 2.
Hittle, Dalphin L., assignor to Delco-Remy Corporation, Anderson, Ind. Theft preventive device. 1,807,662; June 2.
Hittle, Ernest J., Columbus, Ohio. Safety hoisting device. 1,793,317; Feb. 17.
Hitz, Charles R., Philadelphia, Pa. Ice-cream dipper. 1,799,791; Apr. 7.
Hi-Voltage Equipment Company. (See Hart, Lester C., assignor.)
Hixenbaugh, McClelland, et al. (See Wagner, James S., assignor.)
Hixley Electric Company. (See Hooley, John W., assignor.)
Hixon, Alfred J., Braintree, Mass. Lighting fixture. 1,788,056; Jan. 6.
Hixon, Alfred J., Braintree, Mass. Lighting fixture. 1,822,527; Sept. 8.
Hixon, James F., Los Angeles, Calif. Cigar and cigarette holder. 1,829,141; Oct. 27.
Hixon, R. M., C. J. Peterson, and C. H. Werkman, assignors to Iowa State College of Agricultural and Mechanical Arts, Ames, Iowa. Pulping tissues by means of a volatile base. 1,802,715; Apr. 28.
Hiyake, Frank M. (See Dooley, Edward G., assignor.)
Hizsa, Geza, Elizabeth, N. J. Sewer-backwater safety valve. 1,792,091; Feb. 10.
Hjelm, Albin, assignor to Britesun, Inc., Chicago, Ill. Automatically-adjusted carbon-arc lamp. 1,796,601; Mar. 17.
Hjorth, Henrick J., Woburn, Mass. Valve wrench. 1,807,625; June 2.
Hlavac, Anthony. (See Howsam, H. C., and Hlavac.)
Hlavac, Anthony, Chicago, assignor to E. J. Hubbard, Berwyn, Ill. Bobbin. 1,827,875; Oct. 20.
Hlavaty, Otto J., Chicago, Ill. Plaquette. Des. 84,782; Aug. 4.
Hnatek, Adolf, Vienna, Austria. Natural color cinematography. 1,816,083; July 28.
Hoag, James W., assignor of one-half to T. L. Shultz, Oakland, Calif. Printing press. 1,831,113; Nov. 10.
Hoagland, Frank O., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Relieving mechanism for lathes. 1,790,543; Jan. 27.
Hoagland, Frank O., Bridgeport, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Abrasive wheel. 1,797,526; Mar. 24.
Hoagland, Frank O., Bridgeport, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Journal bearing. 1,798,841; Mar. 31.
Hoagland, Thomas G. (See Knight, John, assignor.)
Hoague-Sprague Corporation. (See Knowlton, Cutler D., assignor.)
Hoak, Percy E. (See Reinking, A. C., and Hoak.)
Hoal, Bradley, Parkersburg, W. Va. Roller bearing for drawers. 1,789,041; Jan. 13.
Hoar, Benjamin P. (See Murray, J. M., and Hoar.)
Hoar, Roger S. (See Fykse, M. L., and Hoar.)
Hoban, Fairfield W., New York, assignor to Fairfield Specialties Corporation, New York, N. Y. Valve-controlled closure for bottles containing carbonated beverages. 1,788,795; Jan. 13.
Hoban, Fairfield W., assignor to W. T. McGovern, New York, N. Y. Changeable exhibitor. 1,797,773; Mar. 24.
Hoban, Fairfield W., assignor to Fairfield Specialties Corporation, New York, N. Y. Support for hats and the like. 1,804,931; May 12.
Hobart, Bros. Co., The. (See Hobart, Edward A., assignor.)
Hobart, Charles J., Chicago, and G. R. Fisk, Harvey, assignors to Link-Belt Company, Chicago, Ill. Meat slicing machine. 1,832,302; Nov. 17.
Hobart, Charles W., Boston, Mass. Garment supporter. 1,787,861; Jan. 6.
Hobart, Edward A., assignor to The Hobart Bros. Co., Troy, Ohio. Brush support for electrical apparatus. 1,794,291; Feb. 24.
Hobart, Edward A., assignor to The Hobart Bros. Co., Troy, Ohio. Compressor and tank unit. 1,802,175; Apr. 21.
Hobart, Edward A., assignor to The Hobart Bros. Company, Troy, Ohio. Pump. 1,813.998; July 14.
Hobart, Edward A., assignor to The Hobart Bros. Co., Troy, Ohio. Electric welder. 1,825,064; Sept. 29.
Hobart, Edward A., Troy, assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerator. 1,825,694; Oct. 6.
Hobart, Frank W., Chelsea, Mass. Garment supporter. 1,797,914; Mar. 24.
Hobart, Franklin G. (See Heath, W. C., and Hobart.)
Hobart, Franklin G., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Fluid-pressure equalizer. 1,790,922; Feb. 3.
Hobart, Franklin G., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Pump. 1,801,082; Apr. 14.
Hobart, Franklin G., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Pump and pump construction and operation. 1,821,218; Sept. 1.
Hobart, Joseph N., New Cumberland, Pa., assignor to H. B. Groniger, Pittsburgh, Pa. Railroad tie. 1,824,778; Sept. 29.
Hobart, Walter P., Minneapolis, Minn. Respiration meter. 1,817,145; Aug. 4.
Hobart Manufacturing Company, The. (See Johnston, Herbert L., assignor.)
Hobart Manufacturing Company, The. (See Rataiczak, Thomas F., assignor.)
Hobart Manufacturing Company. (See Wood, Peirce M., assignor.)
Hobbs, Elbert R., Castleford, Idaho, and A. V. Stombaugh, Holbrook, Nebr. 1,828,143; Oct. 20.
Hobbs, George H. (See Groenig, A., and Hobbs.)
Hobbs, James C., Painesville, Ohio. Steam boiler furnace. 1,790,707; Feb. 3.
Hobbs, James R., St. Helens, Oreg. Grate. 1,795,127; Mar. 3.
Hobbs, Samuel T., assignor to The Washburn Company, Worcester, Mass. Display rack. 1,789,628; Jan. 20.
Hobing, John W. (See Myers, G. D., Edwards, and Hobing.)
Hobracht, Paul, Dusseldorf, Germany. Machine for bending and tempering leaf-springs. 1,816,377; July 28.
Hobson, John S., assignor to Massey Concrete Products Corporation, Chicago, Ill. Cribbing. 1,819,026; Aug. 18.
Hobson, O. I. (See Breeden, Edward T., assignor.)
Hobson, Russell B., Montclair, N. J. Gravity return system. 1,800,527; Apr. 14.
Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Cover of a household pump unit. Des. 85.098; Sept. 15.
Hobson, William S., Aberdeen, Miss. Cotton picking machine. 1,819,242; Aug. 18.
Hoch, Norman C., Huntingdon, Pa. Internal combustion engine. 1,831,664; Nov. 10.
Hoch, Otto M., assignor to M. D. Knowlton Company, Rochester, N. Y. Trip mechanism for sheet cutting machines. 1,820,021; Aug. 25.
Hoch, Otto M., assignor to M. D. Knowlton Company, Rochester, N. Y. Clutch operating mechanism. 1,837,435; Dec. 22.
Hochenberger, Alexander. (See Froboese, G., and Hochenberger.)
Hochman, Julius C., et al. (See Degener, Gustave O., assignor.)
Hochman, Julius C. (See Samburg M., and Hochman.)
Hochman, Julius C., New York, N. Y. Releasable screw mechanism. 1,794,614; Mar. 3.
Hochman, Julius C., New York, N. Y. Typewriter ribbon device. 1,826,074; Oct. 6.
Hochman, Julius C., New York, N. Y. Automatic ratchet wrench. 1,837,819; Dec. 22.
Hochman, Julius C., and G. O. Degener, said Degener assignor of one-half of his right to said Hochman, and one-half of his right to M. Samburg, New York, N. Y. Computing machine. 1,803,329; May 5.
Hochmayr, Franz, assignor of one-half to K. Weintogl, Vienna, Austria. Massage apparatus. 1,818,479; Aug. 11.
Hochreiner, Hans, Elizabeth, assignor to Electro Dynamic Company, Bayonne, N. J. Punching device. 1,788,023; Jan. 6.
Hochreuter, Herbert. (See Schade, K., and Hochreuter.)
Hochriem, Gustav F., assignor to Rhodes-Hochriem Manufacturing Company, Chicago, Ill. Weighing and ticket-printing machine. 1,802,380; Apr. 28.
Hochriem, Gustav F., and F. S. Deschermeier, assignors to Rhodes-Hochriem Manufacturing Company, Chicago, Ill. Weighing machine. 1,796,370; Mar. 17.
Hochstetter, Frederick W., Pittsburgh, Pa. Electron discharge device. 1,803,850; May 5.
Hochwalt, Carroll A. (See Midgley, T., jr., Thomas, and Hochwalt.)

Hochwalt, Carroll A. (See Thomas, C. A., and Hochwalt.)
Hock, Alvin, Cincinnati, Ohio. Vacuum kettle. 1,814,927; July 14.
Hockenyos, George L., Urbana, Ill., assignor to Corning Glass Works, Corning, N. Y. Glass article and treating it. 1,838,309; Dec. 29.
Hocker Corporation, The. (See Hocker, Ivan S., assignor.)
Hocker, Ivan S., assignor to The Hocker Corporation, Philadelphia, Pa. Extracting fat from cacao bean or a product thereof. 1,803,615; May 5.
Hockett, Elmer N., Unionville, Mo. Automobile signal. 1,813,851; July 7.
Hockheim, Ernst, Heidelberg, and W. Schubardt, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Metallic core for electromagnets. 1,838,831; Dec. 29.
Hockley, Horace R., assignor to G. D. Peters & Company, Limited, Slough, England. System of and apparatus for operating and controlling the doors of rail or road vehicles. 1,805,983; May 19.
Hockman, Jacob. (See Rosenberg, S., and Hochman.)
Hockstein, Leo, Jersey City, N. J. Ventilator. 1,797,915; Mar. 24.
Hodde, Henry, et al. (See Yeager, Virgil E., assignor.)
Hodell, Frederick G., Cleveland Heights, assignor to The Chain Products Company, Cleveland, Ohio. Tread member connection for antiskid devices. 1,824,545; Sept. 22.
Hodell, Frederick G., Cleveland Heights, assignor to The Chain Products Company, Cleveland, Ohio. Connecting means for chains. 1,824,546; Sept. 22.
Hodgdon, John W. S., Long Beach, Calif. Dirigible airplane. Des. 84,288; June 2.
Hodgdon, John W. S., Long Beach, Calif. Aircraft. 1,790,923; Feb. 3.
Hodgdon, Paul E., Munising, Mich. Method of and apparatus for digesting wood. 1,810,398; June 16.
Hodge, Albert P., assignor to William L. Gilbert Clock Company, Winsted, Conn. Compartment box. 1,817,562; Aug. 4.
Hodge, David, Centralia, assginor to Safety Mining Company, Chicago, Ill. Blasting device. 1,820,566; Aug. 25.
Hodge, Ernest W., et al. (See Vargo, Michael, assignor.)
Hodge, James G., East Orange, N. J. Piston packing. 1,811,012; June 23.
Hodge, Robert J., West Haven, Conn. Razor. 1,823,100; Sept. 15.
Hodge, Robert J., assignor to The American Buckle Company, West Haven, Conn. Button loop. 1,824,547; Sept. 22.
Hodge, Robert J., assignor to The American Buckle Company, West Haven, Conn. Slide buckle. 1,826,174; Oct. 6.
Hodge, Robert J., assignor to American Buckle Company, West Haven, Conn. Slide buckle. 1,836,923; Dec. 15.
Hodge, William B., Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass. Thermostatic apparatus. 1,819,987; Aug. 18.
Hodges, Albert B., Chicago, Ill., assignor to General Zeolite Company, Chicago, Ill. Variable-rate chemical feed pump. 1,790,708; Feb. 3.
Hodges, Burgess G., Boston, Mass. Man's neckwear. 1,800,729; Apr. 14.
Hodges, Vera C., Los Angeles, Calif. Engine starter. 1,828,369; Oct. 20.
Hodgkins, Albert A., Leonia, N. J., assignor to Universal Gear Shift Corporation, New York, N. Y. Pneumatic gear shift lock. 1,811,932; June 30.
Hodgkins, Charles H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control device. 1,809,299; June 9.
Hodgkins, Charles H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electromagnetic switch. 1,820,702; Aug. 25.
Hodgkins, Edward F., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for finishing the shanks of shoes. 1,806,626; May 26.
Hodgkinson, Francis, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lubricating system. 1,800,941; Apr. 14.
Hodgkinson, Francis, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Multistage feed water heating. 1,804,616; May 12.
Hodgkinson, Francis, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Labyrinth packing. 1,810,372; June 16.
Hodgkinson, Francis, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Compound turbine and condenser arrangement. 1,814,628; July 14.
Hodgkinson, Francis, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Load limiting device. 1,826,884; Oct. 13.
Hodgman Rubber Company. (See Sindler, Jay J., assignor.)
Hodgson, Harry H. (See Macready, J. A., and Hodgson.)
Hodgson, John L., Luton, assignor to George Kent, Limited, London, England. Specific gravity indicator or recorder. 1,938,399; Dec. 29.
Hodnefield, Olaus T., Los Angeles, Calif. Diagonal-weave wall board. 1,787,985; Jan. 6.
Hodnett, William, Fillmore, N. Y. Lowering apparatus. 1,805,177; May 12.
Hodshon-Berg, Inc. (See Cavanagh, John, assignor.)
Hoe, R., & Co. (See Ball, Harry V., assignor.)
Hoe, R., & Co. (See Ball, H. V., and Horton, assignors.)
Hoe, R., & Co. (See Ball, H. V., and Ogden, assignors.)
Hoe, R., & Co. (See Bennison, William E., assignor.)
Hoe, R. & Co. (See Bryan, Charles F., assignor.)
Hoe, R., & Co. (See Eckhard, William K., assignor.)
Hoe, R., & Co. (See Graf, Albert J., assignor.)
Hoe, R., and Co. (See Halliwell, John J., assignor.)
Hoe, R. & Co. (See Horton, Albert J., assignor.)
Hoe, R., & Co. (See Huck, William F., assignor.)
Hoe, R. & Co. (See Lamatsch, Frederick, assignor.)
Hoe, R., & Co. (See Morris, Edward T., assignor.)
Hoe, R., & Co. (See Morris, E. T., and Mills, assignors.)
Hoe, R., & Co. (See Pfister, Louis F., assignor.)
Hoe, R. & Co. (See Quick, C. G., and Bennett, assignors.)
Hoe, R. & Co. (See Quick, C. G., and Morris, assignors.)
Hoe, R., & Co. (See Roesen, Oscar C., assignor.)
Hoe, R., & Co. (See Schmidt, Louis A., assignor.)
Hoe, R., & Co. (See Sheldon, Edward P., assignor.)
Hoe, R., & Co. (See Springstead, John F., assignor.)
Hoe, R., & Co. Inc. (See Weis, A., and Schippers, assignors.)
Hoe, R., & Co. (See White, Bruce C., assignor.)
Hoe, R. & Co. (See Willborg, Louis, assignor.)
Hoe, R., & Co. (See Zuckerman, Adolph M., assignor.)
Hoe, Robert, Hyde Park, N. Y. Washing machine. 1,789,752; Jan. 20.
Hoe, Robert, Hyde Park, N. Y. Washing apparatus. 1,819,463; Aug. 18.
Hoecher, Paul V., assignor of one-half to J. C. Oliver, Chicago, Ill. Electric socket construction. 1,815,509; July 21.
Hoefen, Walter V., assignor to Brown-Hutchinson Iron Works, Detroit, Mich. Conveyer mechanism. 1,807,211; May 26.
Hoefen, Walter V., assignor to Brown-Hutchinson Iron Works. Detroit, Mich. Conveyer chain. 1,826,351; Oct. 6.
Hoefer, Herman W., Watervliet, N. Y. Wall construction. 1,828,969; Oct. 27.
Hoefler, Lena R. (See Eldridge, Ida M., assignor.)
Hoeflick, Julius G., Springfield, Ohio. Thermometer. Des. 83,676; Mar. 17.
Hoefling, Ambrose M., J. W., and P. M., assignors to Hoefling Bros., Inc., Chico, Calif. Rice cleaning device. 1,832,553; Nov. 17.
Hoefling Bros., Inc. (See Hoefling, Ambrose M., J. W., and P. M., assignors.)
Hoefling Bros. Inc. (See Hoefling, John W., assignor.)
Hoefling, John W. (See Hoefling, Ambrose M., J. W., and P. M.)
Hoefling, John W., assignor to Hoefling Bros. Inc., Chico, Calif. Accumulator bin for grain-cleaning machines. 1,793,613; Feb. 24.
Hoefling, John W. and P. M., Chico, Calif. Grain cleaning and seed treating apparatus. 1,809,701; June 9.
Hoefling, Philip M. (See Hoefling, Ambrose M., J. W., and P. M.)
Hoefling, Philip M. (See Hoefling, John W. and P. M.)
Hoeft, Adolph R., Evanston, assignor to Hoeft & Company, Inc., North Chicago, Ill. Drinking fountain for poultry. 1,816,849; Aug. 4.
Hoeft, Adolph R., Evanston, Ill., assignor to Hoeft & Company, Inc., North Chicago, Ill. Poultry feeder. 1,820,071; Aug. 25.
Hoeft & Company. (See Hoeft, Adolph R., assignor.)
Hoeftmann, Alexander O., Worcester, Mass. Cable shield. 1,822,624; Sept. 8.
Hoegemeyer, Herman, Winslow, Nebr. Portable hog house. 1,823,940; Sept. 22.
Hoegger, Joseph A., Jersey City, N. J. Supporting leg. 1,792,223; Feb. 10.
Hoegger, Joseph A., Jersey City, N. J. Mirror setting. 1,813,162; July 7.
Hoeh, Albert C., Royal Oak, Mich. Driver for reamers and the like. 1,804,505; May 12.
Hoeh, Albert C., Royal Oak, Mich. Reamer. 1,818,621; Aug. 11.
Hoeh, Albert C., Royal Oak, Mich. Driver for reamers and the like. 1,818,622; Aug. 11.
Hoehn, Harry W. (See Hoehn, Thurman L., and H. W.)
Hoehn, Thurman L., and H. W., Lancaster, Pa. Airplane parachute flare. 1,827,580; Oct. 13.
Hoelslock, Olaf T. (See Ballard, H. A., and Hoelslock.)
Hoeltke, William F., Journal Square, N. J. Safety gas cock. 1,822,402; Sept. 8.
Hoene, Alexander E., Tacoma, Wash. Wire-twisting tool. 1,819,170; Aug. 18.
Hoenig, Milton, Philadelphia, Pa. Ornamental character. 1,803,114; Apr. 28.
Hoepner Automatic Machinery Corporation, The. (See Cundall, Robert N., assignor.)
Hoepner, George, Sandwich, Ill. Control means for automobile engines. 1,799,792; Apr. 7.
Hoern, Joseph H., Saginaw, assignor to Wilcox-Rich Corporation, Detroit, Mich. Ball-and-socket joint and making same. 1,798,738; Mar. 31.
Hoerr, Louis A., assignor to Railway Devices Company, St. Louis, Mo. Angle cock and holder therefor. 1,809,037; June 9.
Hoerr, Louis A., and F. H. Pietzsch, assignors to Railway Devices Company, St. Louis, Mo. Pipe clamp. 1,819,815; Aug. 18.
Hoerr, Louis A., and Frank H. Pietzsch, assignors to Western Railway Equipment Company, St. Louis, Mo. Bolt. 1,821,709; Sept. 1.

Hoesing, Fred W., St. Helena, Nebr. Tractor hitch. 1,818,256; Aug. 11.
Hofbauer, Caspar, assignor to Paramount Carburetor Corporation, New York, N. Y. Fuel-feeding system. 1,791,130; Feb. 3.
Hofbauer, Caspar E., assignor to Paramount Carburetor Corporation, New York, N. Y. Carburetor system. 1,802,604; Apr. 28.
Hofbauer, Caspar E., assignor to Paramount Carburetor Corporation, New York, N. Y. Carbureting system. 1,806,201; May 19.
Hofbauer, Caspar E., assignor to Paramount Carburetor Corporation, New York, N. Y. Carburetor. 1,807,037; May 26.
Hofbauer, Frank, Akron, Ohio. Electrical connecter. 1,802,381; Apr. 28.
Hofbauer, Hans, Munich, Germany. Trunk. 1,811,718; June 23.
Hofer, Elmer F., Atchison, Kans. Sled. 1,788,717; Jan. 13.
Höfer, Paul, Berlin, Germany. Producing potassium nitrate. 1,812,531; June 30.
Hoff, Adam F., Baltimore, Md. Street traffic marker. 1,789,525; Jan. 20.
Hoff, Adam F., Baltimore, Md. Catamenial sack. 1,793,614; Feb. 24.
Hoff, Asbjorn T., assignor of one-half to H. Bjorn, Chicago, Ill. Shower-bath device. 1,799,815; Apr. 7.
Hoff, Carlton L., and T. P. Long, York, Pa; said Long assignor to said Hoff. Turbine. 1,816,971; Aug. 4.
Hoff, Carlton L., and G. G. Naugle, York, Pa. Emergency repair link. 1,803,187; Apr. 28.
Hoff, Joseph B., Philadelphia, Pa., assignor to Grant Home Heater Corporation, Jersey City, N. J. Automatic safety oil-burning system. 1,799,902; Apr. 7.
Hoff, Leigh P., assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Apparatus for breaking and handling solids. 1,838,764; Dec. 29.
Hoff, Sigurd J., Brooklyn, N. Y. Cotter pin tool. 1,824,083; Sept. 22.
Hoffa, Erwin. (See Schirmacher, K., Zahn, Hoffa, and Heyna.)
Hoffa, Erwin, and M. Kerth, Frankfort-on-the-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing dyeings and prints. 1,802,208; Apr. 21.
Hoffa, Erwin, and W. Luce, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing indigoid vat dyestuffs. 1,793,173; Feb. 17.
Hoffa, Erwin, Hochst-on-the-Main, J. Müller, Hanau-on-the-Main, and F. Müller, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Converting arylcarboxyamino-o-thiogly-collic acids into dydroxythionaphthene compounds. 1,804,872; May 12.
Hoffer, Le Roy H. (See Murray, T. E., jr., and Hoffer.)
Hofferberth, George F. (See Hull, H. B., and Hofferberth.)
Hofferberth, George F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,813,999; July 14.
Hofferberth, George F., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,829,748; Nov. 3.
Hoffert, Wilfred H., assignor to National Benzole Association, London, England. Liquid fuel for use in internal combustion engines and the production thereof. 1,816,811; July 28.
Hoffit, M. A. Company, The. (See Puckett, Nick T., assignor.)
Hoffman, Ada M., Los Angeles, Calif. Box or similar article of manufacture. Des. 85,826; Dec. 22.
Hoffman, Adon J., Syracuse, N. Y. Pressing element for garment-pressing machines. 1,794,112; Feb. 24.
Hoffman, Albert F., Newark, N. J. Bottling machine. 1,804,985; May 12.
Hoffman, Andrew, assignor to A. Hoffman Manufacturing Company, Chicago, Ill. Display rail. 1,800,386; Apr. 14.
Hoffman, Andrew, Manufacturing Company. (See Greist, Raymond L., assignor.)
Hoffman, Andrew, Manufacturing Company. (See Hoffman, Andrew, assignor.)
Hoffman Beverage Company. (See Cubberley, Amariah H., assignor.)
Hoffman, Carl, Stamford, Conn. Doorlock. 1,796,891; Mar. 17.
Hoffman, Charles T., Washington, D. C. Rail anchor. 1,802,895; Apr. 28.
Hoffman, Charles T., Washington, D. C. Rail anchor. 1,802,896; Apr. 28.
Hoffman, David E., assignor to N. J. Marks and G. Kronidas, Marquette, Mich. Traction shoe. 1,809,782; June 9.
Hoffman, Dorothy B., et al. (See Smith, Sam R., assignor.)
Hoffman, Edmund, Brooklyn, assignor to American Can Company, New York, N. Y. Gasket for talcum powder cans. 1,806,802; May 26.
Hoffman, Edward C., Beaver Dam, Wis. Casing for desk pencil sharpeners. Des. 85,646; Dec. 1.
Hoffman, Edward J., assignor to Eldeen Automatic Hosiery Mender Inc., Boston, Mass. Hand operated needle. 1,813,924; July 14.
Hoffman, Edward L., Fort Slocum, N. Y. Propeller and engine arrangement for aircraft. 1,793,933; Feb. 24.
Hoffman, Edward L., Dayton, Ohio. Parachute skirt delayer. 1,811,050; June 23.
Hoffman, Edward L., Dayton, Ohio. Aerial safety belt. 1,830,059; Nov. 3.
Hoffman, Fred D., St. Louis, Mo., assignor, by mesne assignments, to R. F. Kehr. Fuel conditioning apparatus. 1,831,912; Nov. 17.
Hoffman, George C., Toledo, Ohio. Hydraulic transmission gear. 1,794,378; Mar. 3.
Hoffman, George D., assignor to Hoffman Specialty Company, of California, Limited, Pasadena, Calif. Casing for electric air heaters. Des. 84,699; July 21.
Hoffman, George D., Pasadena, Calif., assignor to Hoffman Specialty Company, Waterbury, Conn. Swivel tube connection. 1,811,392; June 23.
Hoffman, Harry, Philadelphia, and P. F. Karst, Highland Park, assignors of one-third to L. Hoffman, Philadelphia, Pa. Motion picture apparatus. 1,804,340; May 5.
Hoffman, Hellmut. (See Schulz, W., and Hoffman.)
Hoffman, Herbert F., Memphis, Tenn. Swing. 1,825,457; Sept. 29.
Hoffman High Pressure Equipment Company. (See Mahoney, Burton J., assignor.)
Hoffman, Jay C., Akron, Ohio. Railway signaling system. 1,806,291; May 19.
Hoffman, John C., Sioux City, Iowa. Trunk support for automobiles. 1,823,101; Sept. 15.
Hoffman, John H., Pittsburgh, Pa., assignor of one-half to W. B. Ankerstran, New York, N. Y. Feeder for type-casting machines. 1,788,672; Jan. 13.
Hoffman-La Roche Inc. (See Brauchli, Ernst., assignor.)
Hoffman-La Roche Inc. (See Preiswerk, Ernest, assignor.)
Hoffman, Louis. (See Hoffman, H., and Karst, assignors.)
Hoffman, Oscar, et al. (See Woodman, Commodore B., assignor.)
Hoffman, Paul. (See Strong, J. B., Hoffman, and Perdue.)
Hoffman, Paul G., et al. (See Smith, Sam R., assignor.)
Hoffman, Peter L., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Supporting device for overhead tracks. 1,701,527; Feb. 10.
Hoffman, Peter L., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Combined trolley track and hanger. 1,825,315; Sept. 29.
Hoffman, Roscoe C., Detroit, Mich. Power-transmitting mechanism. 1,797,576; Mar. 24.
Hoffman, Roscoe C., Detroit, Mich. Motor vehicle. 1,797,577; Mar. 24.
Hoffman, Roscoe C., Detroit, Mich. Front-wheel-drive motor vehicle. 1,797,578; Mar. 24.
Hoffman, Roscoe C., Detroit, Mich. Motor vehicle. 1,797,579; Mar. 24.
Hoffman Specialty Company. (See Hoffman, George D., assignor.)
Hoffman Specialty Company. (See Simpson, William K., assignor.)
Hoffman Specialty Company of California, Limited. (See Hoffman, George D., assignor.)
Hoffman, Walter C., Maywood, Ill. Display holder for cards. 1,825,458; Sept. 29.
Hoffman, William E., Los Angeles, Calif. Compressor and means for converting Ford motors into same. 1,804,873; May 12.
Hoffman, William W. (See Haws, William H., assignor.)
Hoffman, Zachariah S., Essex County, N. J. Internal combustion engine. 1,813,925; July 14.
Hoffmann, August, Leipzig, Germany. Thread-tensioning device. 1,799,165; Apr. 7.
Hoffmann, Henry W., Weissport, assignor to Ajax Hosiery Mills, Phoenixville, Pa. Full fashioned stocking and producing same. 1,828,533; Oct. 20.
Hoffmann, Hugo. (See Luedtke, M. A. G., and Hoffmann.)
Hoffmann, Karl H., Beuditz, Germany. Dough dividing and molding machine. 1,796,102; Mar. 10.
Hoffmann, Kurt, Dresden, Germany. Adjusting knob for framing devices. 1,804,501; May 12.
Hoffmann, Kurt, Dresden-A., and M. Engelmann, Lausa at Dresden, assignors to Zeiss Ikon Aktiengesellschaft Dresden, Dresden, Germany. Device for protecting films against ignition. 1,821,515; Sept. 1.
Hoffmann-La Roche Inc. (See Preiswerk, Ernst, assignor.)
Hoffmann, Leonard, Philadelphia, Pa. Crown cap for bottles. 1,837,047; Dec. 15.
Hoffmann, Willibald, Milwaukee, Wis. Price marker clip. 1,802,016; Apr. 21.
Hoffmeier, Gottlieb, Wilmington, Del., assignor of one-half to C. Ludlam, Camden, N. J. Bell buoy. 1,795,255; Mar. 3.
Hoffmeister, Herman, Gliesmarode, near Brunswick, assignor to Bumsviga-Maschinenwerke Grimme, Natalie & Co., A.-G., Brunswick, Germany. Calculating machine. 1,822,031; Sept. 8.
Hoffoss, John E., and L. O. Koen, assignors to W-K-M Company, Inc., Houston, Tex. Pipe holding device. 1,836,596; Dec. 15.
Hoffstadt, Edwin G. and R. W., Jackson, Mich. Blotting device. 1,808,602; June 2.
Hoffstadt, Robert W. (See Hoffstadt, Edwin G. and R. W.)
Hoffstetter, Carl H., assignor to Odin Stove Manufacturing Company, Erie, Pa. Door. Des. 84,241; May 26.

Hoffstetter, Carl H., assignor to Odin Stove Manufacturing Company, Erie, Pa. Door structure. 1,804,984; May 12.

Hoffstetter, Carl H., and R. F. Hoffstetter, Erie, Pa. Stove top. Des. 85,696; Dec. 8.

Hoffstetter, Robert F. (See Hoffstetter, Carl H. and R. F.)

Hofft, M. A., Company, The. (See Hofft, M. A., Puckett, and Squires, assignors.)

Hofft, Maurice A., N. T. Puckett, and W. M. Squires, Indianapolis, Ind., assignors to The M. A. Hofft Company. Fuel feeding apparatus. 1,835,989; Dec. 8.

Höfinghoff, Walter. (See Hartmann, A., and Höfinghoff.)

Hofman, Tenis, Nobleford, Alberta, Canada. Clamp for battery terminal posts. 1,808,775; June 9.

Hofmann, Alfred, Palisade, N. J. Knitting machine. 1,817,822; Aug. 4.

Hofmann, Friedrich, Mulheim-Ruhr, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Combustion turbine. 1,802,469; Apr. 28.

Hofmann, Fritz. (See Ossana, J., Graner, and Hofmann.)

Hofmann, Fritz, and Carl Wulff, Breslau, Germany. Cracking oils. 1,791,562; Feb. 10.

Hofmann, Fritz, and M. Otto, Breslau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerization of olefines. 1,811,130; June 23.

Hofmann, Heinrich. (See Oelerich, Heinrich, assignor.)

Hofmann, Johannes W., Kotzschenbroda, near Dresden, Germany. Suspending device for conducting cables. 1,817,313; Aug. 4.

Hofmann, Josef, Merion, Pa. Valve. 1,798,536; Mar. 31.

Hofmann, Josef, assignor to the Firm Elektrizitäts-Gesellschaft "Sanitas" m. b. H., Berlin, Germany. Röntgen apparatus. 1,833,078; Nov. 24.

Hofmann, Otto U., Philadelphia, Pa. Lawn seat or the like. Des. 83,160; Jan. 27.

Hofmeister, Franz, Schlesisch-Ostrau, Czechoslovakia, and H. Melhardt, Vienna, assignors to Chemische Fabriken J. Bellak, Vienna, Austria. Evaporator. 1,793,174; Feb. 17.

Hofschneider, Frederic J., Rochester, N. Y. Display apparatus. 1,807,986; June 2.

Hofstadt, Richard. (See Eller, W., and Hofstadt.)

Hofstede, Jacob, Fullerton, Calif. Lifter. 1,801,860; Apr. 21.

Hofstetter, Charles J., Arlington Heights, Ill. Steam box. 1,790,749; Feb. 3.

Hofstetter, Robert. Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for assembling members. 1,806,202; May 19.

Hofstetter, Robert, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Clutch and speed reducing mechanism. 1,813,926; July 14.

Hofstetter, Robert, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Threading apparatus. 1,827,198; Oct. 13.

Hogan, Edward F., assignor to Q. R. S. De Vry Corporation, Chicago, Ill. Insulator and clamp for use in electrical work. 1,811,083; June 23.

Hogan, Edward F., assignor to Q. R. S. De Vry Corporation, Chicago, Ill. Split clamp for mounting insulator to face of sign or other object. 1,815,913; July 28.

Hogan, Edward L. (See Cahoon, O. B., and Hogan.)

Hogan, Ervin F., Beloit, Kans. Combined harvester and thrasher. 1,812,532; June 30.

Hogan, George F., executor. (See Bowers, Alphonso B.)

Hogan, George F., Chicago, Ill. Support for liquid receptacles. 1,829,353; Oct. 27.

Hogan, Samuel. (See McNeff, J., and Hogan.)

Hogan, William F., Wildwood, N. J. Flag holder for electric-light poles. 1,788,157; Jan. 6.

Hogberg, John L., Attleboro, Mass., and J. A. Granskog, Hills Grove, R. I., assignors to General Chain Company, Providence, R. I. Chain making machine. 1,835,598; Dec. 8.

Hoge, Edward C., assignor to Lathrop-Hoge Construction Company, Cincinnati, Ohio. Roof and floor construction. Re18,304; Dec. 29.

Hoge, Edward C., assignor to Lathrop-Hoge Construction Company, Cincinnati, Ohio. Roof and floor construction. 1,814,387; July 14.

Hoge, John R., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware annealing leer. 1,838,143; Dec. 29.

Hogg, John L., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 1,810,015; June 16.

Hogg, John L., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voice operated relay circuit. 1,810,016; June 16.

Hogg, William J., and F. Neumann, assignors to The National Acme Company, Cleveland, Ohio. Collapsible tap. 1,808,138; June 2.

Hoggson, William J., New York, N. Y. Combined anklebrace and arch-support. 1,812,149; June 30.

Hogin, James L. (See Smith, Robert N., assignor.)

Hoglund, Theodore J., Gardner, Mass. Toy handcuff. 1,806,163; May 19.

Höglund, Thure G. (See Westerberg, C. A. A., and Höglund.)

Höglund, Thure G., assignor to Aktiebolaget Superior, Stockholm, Sweden. Steam cleaner for preheaters. 1,814,040; July 14.

Hogrebe, Frank A., St. Louis, Mo. Apparatus for cooling scalp. 1,809,038; June 9.

Hogrefe, Herman C., San Francisco, Calif. Door holder. 1,789,073; Jan. 13.

Hogstad, Anton, jr., St. Paul, assignor to The Northwest Paper Company, Cloquet, Minn. Producing alkaloids. 1,815,302; July 21.

Hohein, George C., Clarendon, Va. Sewing machine attachment. 1,806,252; May 19.

Hohl, George I. (See Evans, H. L., and Hohl.)

Hohl, George I., Newport, R. I. Wrapping and banding machine. 1,814,696; July 14.

Hohler, Frank A., Chicago, Heights, assignor to Quaker Manufacturing Company, Chicago, Ill. Receptacle. 1,796,024; Mar. 10.

Hohn, Gerhard, Goslar-on-the-Harz, Germany. Suspenders for socks or the like articles of hosiery. 1,802,312; Apr. 21.

Hohn, Maia B., New York, N. Y. Musical educational device. 1,821,516; Sept. 1.

Hohn, Max P. E., assignor to the firm "Universelle" Cigarettenmaschinenfabrik. J. C. Muller & Co., Dresden, Germany. Dressing cigarettes and the like provided with imprints. 1,812,294; June 30.

Hohn, Max P. E., assignor to the Firm "Universelle" Cigarettenmaschinenfabrik J. C. Muller & Co., Dresden, Germany. Planetary gearing for driving the shaft of the rotary cutter in cigarette rod making machines. 1,817,314; Aug. 4.

Hohn, Max P. E., assignor to the Firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Apparatus for dressing cigarettes having imprints. 1,832,120; Nov. 17.

Hohn, Max P. E., and G. F. Halank, assignors to the Firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Loosening tobacco and separating foreign bodies and dust. 1,832,119; Nov. 17.

Hohnhorst, Ferdinand J., Covington, Ky. Mechanism for truing and dressing grinding wheels. 1,831,913; Nov. 17.

Hohnhorst, Ferdinand J., and F. J. Kroeger, Covington, Ky. Mechanism for truing and dressing grinding wheels. 1,803,062; Apr. 28.

Hohnhorst, Ferdinand J., and F. J. Kroeger, Covington, Ky. Mechanism for truing and dressing grinding wheels. 1,811,933; June 30.

Hohnhorst, William J., Anchorville, Mich. Paper flowerpot. 1,807,407; May 26.

Hohulin, Wilhelm F., Ottawa, Ill. Fluid operated reversing valve. 1,809,938; June 16.

Hohulin, Wilhelm F., Ottawa, Ill. Fluid reversing valve. 1,810,766; June 16.

Hoiland, Albert, Fargo, N. Dak. Road drag. 1,798,739; Mar. 31.

Hojnowski, Jakob, Nekoosa, Wis. Child's vehicle. 1,804,832; May 12.

Hojnowski, Jakob, Nekoosa, Wis. Airplane. 1,831,175; Nov. 10.

Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Case shift mechanism. 1,819,369; Aug. 18.

Hoke, Frank. (See Rossebo, G. H., and Hoke.)

Hoke, Frank, Indianapolis, Ind., assignor to Holcomb & Hoke Manufacturing Company. Signal receiving and distributing system. 1,804,559; May 12.

Hoke, Harry A., Altoona, Pa. Lever for shaking grates. 1,824,892; Sept. 29.

Hoke, Henry E., Hanover, Pa. Pen clip. 1,825,730; Oct. 6.

Hoke, John A., Pleasant Hill, Mo. Attachment for the agitators of washing machines. 1,795,395; Mar. 10.

Hoke, William E., Baltimore, Md., assignor, by mesne assignments, to Dardelet Threadlock Corporation, New York, N. Y. Self-locking coupled screw element. 1,798,604; Mar. 31.

Holan, James, Cleveland, Ohio. Vehicle. 1,799,233; Apr. 7.

Holbeck, Austin A., Lakewood, Ohio. Preparing metal for pouring. 1,823,604; Sept. 15.

Holbert, Thomas B., Worthington, W. Va. Ballot box. 1,821,710; Sept. 1.

Holbrook, Charles. (See Pardue, G. P., and Holbrook.)

Holbrook Raw Hide Company. (See Wynne, Walter V., assignor.)

Holbrook, William C. (See Braeutigam, H. P., and Holbrook.)

Holbrook, William C., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,830,060; Nov. 3.

Holbrook, William C., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,832,121; Nov. 17.

Holbrook, William C., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,832,902; Nov. 24.

Holbrook, William C., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,832,903; Nov. 24.

Holbrook, William C., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,838,098; Dec. 29.

Holbrook, William C., and L. C. Luneke, assignors to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,832,122; Nov. 17.
Holcomb, Alpheus E., assignor to Koehring Company, Milwaukee, Wis. Power dipper trip. 1,822,403; Sept. 8.
Holcomb, Arthur L. (See Tice, R. S., and Holcomb.)
Holcomb, George W., East Rochester, N. Y. Duplex watch support. 1,836,248; Dec. 15.
Holcomb, Harry E., Stratford, Conn., assignor to Fiberfraks Inc., New York, N. Y. Pulp-feeding device. 1,801,004; Apr. 14.
Holcomb, Harry E., Stratford, Conn., assignor to Fiberfraks Inc., New York, N. Y. Apparatus for making sheet material. 1,822,891; Sept. 15.
Holcomb, Harry E., Bound Brook, N. J., assignor to Fiberfraks, Inc., New York, N. Y. Method and apparatus for making fiber and cement shingles and boards. 1,819,840; Aug. 18.
Holcomb & Hoke Manufacturing Company. (See Hoke, Frank, assignor.)
Holcomb & Hoke Manufacturing Company. (See Holcomb, James I., assignor.)
Holcomb & Hoke Mfg. Co., The. (See Rossebo, G. H., and Hoke, assignors.)
Holcomb, J. I., Manufacturing Company. (See Anderson, Jesse I., assignor.)
Holcomb, J. I., Manufacturing Company. (See Dietrich, Harry W., assignor.)
Holcomb, James I., assignor to Holcomb & Hoke Manufacturing Company, Indianapolis, Ind. Cabinet for pop corn machines. Des. 85,043; Sept. 8.
Holcomb, Roger L. (See Read, C. D., and Holcomb.)
Holcomb, Roger L., Chesterton, Ind., and E. E. Bartels, Hammond, assignors to Standard Oil Company, Whiting, Ind. Filter press leaf. 1,818,623; Aug. 11.
Holdaway, William S., Salt Lake City, Utah, assignor, by mesne assignments, to D. and H. Manufacturing Company. Twin-screw pump and automatic balancing means therefor. 1,792,839; Feb. 17.
Holden, Charles L., Kings Mills, and P. P. Quayle, Lebanon, assignors to The Peters Cartridge Company, Cincinnati, Ohio. Blank cartridge. 1,804,986; May 12.
Holden, Eugene H., Arlington, Mass. Heating and humidifying unit. 1,825,116; Sept. 29.
Holden, Fenn M. (See Ellis, L. B., and Holden.)
Holden, Herbert, et al. (See Omenitsch, Mans., assignor.)
Holden, James E., Oswego, Oreg. Logging block. 1,807,038; May 26.
Holden, James H., Brentwood, and J. C. Whetzel, Pittsburgh, assignors to American Sheet and Tin Plate Company, Pittsburgh, Pa. Purifying and recovering oil from water-in-oil mixture. 1,790,748; Feb. 3.
Holden, Jesse N., and O. N. Nichols, Oleum, Calif. Throttle valve. 1,802,897; Apr. 28.
Holden, Joseph B., assignor to Diemoulding Production Company, Incorporated, Canastota, N. Y. Fishing reels. 1,797,774; Mar. 24.
Holden, Richard R., Highland Park, Ill. Trolley ear. 1,791,089; Feb. 3.
Holden, Richard R., Highland Park, Ill. Trolley ear. 1,801,083; Apr. 14.
Holden, Richard R., Highland Park, Ill. Trolley guide. 1,806,164; May 19.
Holden, William C., Ossining, N. Y. Peening tool. 1,801,005; Apr. 14.
Holden, William C., Ossining, N. Y. Peening tool. 1,819,777; Aug. 18.
Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,814,158; July 14.
Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Amplifying system. 1,833,968; Dec. 1.
Holder, Edward P., New York, N. Y. Painting chart. 1,824,598; Sept. 22.
Holder, George E., Wewoka, Okla. Valve-seat puller. 1,788,461; Jan. 13.
Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor mechanism. 1,819,709; Aug. 18.
Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Mine car compressor. 1,819,710; Aug. 18.
Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Valve mechanism. 1,834,589; Dec. 1.
Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Valve mechanism. 1,834,590; Dec. 1.
Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor controlling mechanism. 1,834,593; Dec. 1.
Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor controlling mechanism. 1,834,594; Dec. 1.
Hole, Edward S., London, England. Making condensation products. 1,799,816; Apr. 7.
Hole, Joseph H., and W. R. Bryant, Taunton, England. Tap for dispensing liquids. 1,802,510; Apr. 28.
Holed-Tite Packing Corporation. (See Gray, Fred D., assignor.)
Holed-Tite Packing Corporation. (See Koppelman, Morris, assignor.)
Holed-Tite Packing Corporation. (See Mann, Leon, assignor.)
Holek, Emanuel, assignor to the Firm Ceskoslovenska Zbrojovka akciova spolescnost v Brne, Brunn, Czechoslovakia. Firearm. 1,799,981; Apr. 7.
Holek, Emanuel, assignor to the Firm Ceskoslovenska zbrojovka akciova spolecnost v Brne, Brunn, Czechoslovakia. Gas pressure regulating device for firearms. 1,802,816; Apr. 28.
Holek, Emanuel, assignor to the Firm Ceskoslovenska zbrojovka akciova spolecnost v Buňe, Brunn, Czechoslovakia. Charging device for firearms. 1,821,385; Sept. 1.
Holgate Brothers Company. (See Cartwright, Raymond H., assignor.)
Holibaugh, Delbert G., Indianapolis, Ind. Food article. 1,816,283; July 28.
Holiday, Harry. (See Good, R. C., and Holiday.)
Holien, Albert, Maynard, Minn. Latch for barn doors. 1,830,513; Nov. 3.
Holifer, John G., and V. S. Landess, assignors of one-fourth to E. O. Blazier and one-fourth to H. E. Blazier, Portland, Oreg. Bundle shocking machine. 1,826,249; Oct. 6.
Holkenbrink, Henry F., Portland, Oreg. Brush contact switch. 1,813,239; July 7.
Holl, Alfred, Offenbach-on-the-Main, Germany, assignor to General Aniline Works Inc., New York, N. Y. Manufacturing vat dyestuffs of the anthraquinone series. 1,804,532; May 12.
Holladay, Forrest E., Salem, Oreg. Tape coating and affixing device. 1,831,741; Nov. 10.
Hollamann, Hans E., Darmstadt, Germany. Production of electric waves. 1,803,528; May 5.
Holland, Arthur A., Toronto, Ontario, Canada. Mold for ice cream cones. 1,802,017; Apr. 21.
Holland, Clinton H., Groveland, Mass. Cake turner. 1,828,187; Oct. 20.
Holland, Daniel A., sr. (See Holland, Herbert I., assignor.)
Holland, David N., North Little Rock, Ark. Lantern. 1,810,767; June 16.
Holland, Earl H., et al. (See Clifton, Jesse A., assignor.)
Holland Furnace Company. (See Kolla, John P., assignor.)
Holland Furnace Company. (See Murchie, James, assignor.)
Holland Furnace Company. (See Nystrom, Oscar P., assignor.)
Holland, Henry, Cleveland, Ohio. Pressure equalizing device for trolley poles. 1,837,436; Dec. 22.
Holland, Herbert I., assignor to D. A. Holland, sr., Worcester, Mass. Device for removing ball races and bushings. 1,831,003; Nov. 10.
Holland, Irving L., and R. W. Klaus, Chicago, Ill.; said Holland assignor to John A. Marzall. Cleaner. 1,809,970; June 16.
Holland, Joseph G., Edgefield, S. C. Steering headlight for automobiles. 1,812,336; June 30.
Holland-Letz, Ludwig, Crown Point, Ind. Device for taking up the wear on antifriction bearings. 1,821,976; Sept. 8.
Holland, Lionel, Calcutta, India. Landing or dispatching device for aeroplanes. 1,802,254; Apr. 21.
Holland, Newman H., Montclair, N. J., assignor to Western Electric Company, New York, N. Y. Acoustic device. 1,804,689; May 12.
Holland, St. Clair C., Montreal, Quebec, assignor to The Robert Mitchell Company, Limited, Montreal, Canada. Charcoal burner. 1,803,254; Apr. 28.
Holland, Thomas W., Towson Heights, assignor to The Black & Decker Manufacturing Company, Towson, Md. Clutch release for portable power driven rotary tools. 1,832,123; Nov. 17.
Holland, Walter E., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Binding post. 1,806,627; May 26.
Holland, Walter E., Philadelphia, and W. H. Grimditch, Glenside, assignors to Philadelphia Storage Battery Company, Philadelphia, Pa. Electrical system. 1,837,125; Dec. 15.
Holland, Walter E., and W. H. Grimditch, assignors to Philadelphia Storage Battery Company, Philadelphia, Pa. Electrical system. 1,834,778; Dec. 1.
Holland, William W., Alton, Ill., assignor to Standard Oil Company, Whiting, Ind. Condensing and separating device. 1,792,164; Feb. 10.
Hollander, Emil E., East Orange, assignor to Star Electric Motor Co., Newark, N. J. Motor frame construction. 1,822,096; Sept. 8.
Hollander, Jacob A. (See Strand, L. M., and Hollander.)
Hollands Manufacturing Company. (See Jones, Louis W., assignor.)
Hollar, William H., jr., et al. (See Paige, Arthur E., assignor.)
Hollard, Auguste, assignor to Société Nouvelle de l'Orfèvrerie d'Ercuis, Paris, France. Chromium plating by electrolytic deposition. 1,799,851; Apr. 7.
Holle, Alexander A., Paris, France, assignor to Societe International Holverta, Societe Anonyme, Brussels, Belgium. Steering gear for motor driven vehicles. 1,818,892; Aug. 11.
Hollen, Henry J., Chicago, Ill. Photographic process. 1,808,352; June 2.

Hollenbeck, Dennis L., assignor to Litho-Paint Poster Company, Chicago, Ill. Frame for supporting display cards and the like. 1,804,164; May 5.
Hollenberg, Ralph W. (See Rabjohn, L. E., and Hollenberg.)
Hollerith, Charles, assignor to Automotive Fan & Bearing Company, Jackson, Mich. Belt gearing. 1,811,673; June 23.
Hollerith, Herman, jr., Riverton, N. J., assignor to Victor Talking Machine Company. Casing-cover locking device. 1,811,628; June 23.
Hollerith, Herman, jr., Riverton, and A. N. Fenton, Audubon, N. J., assignors to Victor Talking Machine Company. Amplifier circuits. 1,813,051; July 7.
Hollerith, Herman, Washington, D. C., assignor to The Tabulating Machine Company, East Orange, N. J. Automatic control for tabulating machines. 1,830,699; Nov. 3.
Hollerith, Herman, jr., Riverton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Mounting for radio antennæ. 1,838,679; Dec. 29.
Hollett, Robert E., assignor, by mesne assignments, to Portable Milling Company, Des Moines, Iowa. Portable grinder. Des. 83,161; Jan. 27.
Holley, Cecil C., Charleston, W. Va. Trolley meat hook. 1,828,603; Oct. 20.
Holley, Clarence M., Detroit, Mich., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Automatic expansion valve for artificial refrigerating systems. 1,818,061; Aug. 11.
Holley, George M. (See Anderson, Raymond M., assignor.)
Holley, George M. (See Beard, Bert, assignor.)
Holley, George M. (See Gardner, Dale, assignor.)
Holley, George M. (See Petie, Henry B., assignor.)
Holliday, Clarence. (See Naber, C. H., and Holliday.)
Holliday, J. Margaret, administratrix. (See Holliday, John S.)
Holliday, Jennie M., administratrix. (See Holliday, John S.)
Holliday, John S., deceased, New York, N. Y.; J. M. Holliday, administratrix, assignor to M. H. Loughridge, trustee, Bogota, N. J. Train-control system and apparatus. 1,789,465; Jan. 20.
Holliday, John S., deceased, New York, N. Y.; J. M. Holliday, administratrix, assignor to M. H. Loughridge, trustee, Bogota, N. J. Railway traffic controlling system. 1,830,793; Nov. 10.
Holliday, John S., deceased, New York, N. Y.; J. M. Holliday, administratrix, Pittsburgh, Pa., assignor to M. H. Loughridge, trustee, Bogota, N. J. Train control system. 1,832,460; Nov. 17.
Holliday, Robert L., New York, N. Y., assignor, by mesne assignments, to Colgate-Palmolive-Peet Company, Chicago, Ill. and The Procter & Gamble Company, Cincinnati, Ohio. Manufacture of soap powder. 1,804,932; May 12.
Holling, Alfred L., San Francisco, Calif. Eyeglass-spring retainer. 1,791,501; Feb. 10.
Hollinger, Harry C., York, Pa., assignor to A. B. Farquhar Co., Ltd. Drive mechanism. 1,792,165; Feb. 10.
Hollingshead, William B., Tuckahoe, N. Y. Acoustic diaphragm and similar appliances. 1,837,822; Dec. 22.
Hollingsworth, Clarence T., assignor to Bulldog Electric Products Company, Detroit, Mich. Electric control panel board. Des. 83,677; Mar. 17.
Hollingsworth, Homer J., Long Beach, assignor to E. P. Halliburton, Los Angeles, Calif. Traveling block and system. 1,828,897; Oct. 27.
Hollingsworth, W. F., et al. (See Greene, Harlis C., assignor.)
Hollingsworth, William F. (See Norton, John S., assignor.)
Hollingsworth, William F., San Francisco, Calif. Brake. 1,834,242; Dec. 1.
Hollins, Denis M., Blackburn, England, assignor to Draper Corporation, Hopedale, Mass. Weft-feeler mechanism for looms for weaving. 1,790,214; Jan. 27.
Hollins, Frederick E., Winchester, Mass. Golf bag and attachment therefor. 1,829,093; Oct. 27.
Hollis, Arthur C., Hartford City, Ind. Truck body. 1,834,243; Dec. 1.
Hollis, Elmer F., Valley Stream, N. Y. Boat. 1,790,094; Jan. 27.
Hollis, Fred G., Bennettsville, S. C. Insecticide package. 1,801,921; Apr. 21.
Hollister, Clarence P., New York, assignor to The Brooklyn Metal Stamping Corporation, Brooklyn, N. Y. Locally controlling radio receiving apparatus. 1,790,636; Jan. 27.
Hollister, Don C. (See Cord, E. L., Snow, and Hollister.)
Hollister, Don C, Auburn, Ind., assignor to Manning & Co., Chicago, Ill. Headlight. Des. 83,900; Apr. 14.
Hollister, Lester R., Hall, Mont. Portable staging. 1,825,590; Sept. 29.
Hollman, John. (See Goff, Robert, jr., assignor.)
Hollman, Peter L., and H. E. Thelen, assignor to Geo. D. Roper Corporation, Rockford, Ill. Burner box drawer. 1,837,820; Dec. 22.
Hollman, Peter L., assignor to G. D. Roper Corporation, Rockford, Ill. Broiler oven. 1,838,832; Dec. 29.
Hollmann, Charles, Fort Wayne, Ind. Tube winding machine. 1,814,697; July 14.
Hollnagel, Herbert P., Swampscott, Mass., assignor to General Electric Company. Sound recording. 1,810,605; June 16.
Hollnagel, Theodore C., Milwaukee, Wis., assignor to The Hughes-Keenan Company, Mansfield, Ohio. Truck. 1,790,377; Jan. 27.
Hollo, Julius, Budapest, Hungary, assignor to E. J. Lorand, Kenvil, N. J. Remedy for colds and the like. 1,794,292; Feb. 24.
Holloway, John H., Lafayette, Ind. Carburetor. 1,816,531; July 28.
Holloway, John H., Lafayette, Ind. Indicating and recording instrument for testing piston rings and the like. 1,816,532; July 28.
Holloway, John J., assignor to The Stanley Works, New Britain, Conn. Portable power driven tool. 1,821,436; Sept. 1.
Holloway, Joseph, Blair, Nebr. Velocipede. 1,838,224; Dec. 29.
Holloway, Perle L., Boulder, Colo. Vehicle tow device. 1,797,470; Mar. 24.
Holloway, William M., Chicago, Ill., assignor to American Can Company, New York, N. Y. Automatically soldering the side seams of containers and the like. 1,799,465; Apr. 7.
Hollowood, Mathew J., Rochester, N. Y. Hand truck 1,807,913; June 2.
Holloyt Motors Corporation. (See Schwarz, Alfred, assignor.)
Holm, Christian, Genoa, Ill. Honey-section machine. 1,792,692; Feb. 17.
Holm Company. (See Holm, John H., assignor.)
Holm, Hans A., Cicero, Ill. Roller skate. 1,803,019; Apr. 28.
Holm-Hansen, Birger, assignor to International Skogplantningsmetode Aktieselskap, Oslo, Norway. Manufacture of seed blocks. 1,831,176; Nov. 10.
Holm, John H., assignor to Holm Company, Kenosha, Wis. Golf-ball holder or similar device. Des. 83,254; Feb. 10.
Holm, Peter A., Sioux City, Iowa. Gasoline measure. 1,815,713; July 21.
Holman, Arthur J., Boston, Mass. Apparatus for grinding and polishing spherical lenses. 1,827,748; Oct. 20.
Holman, Arthur J., Boston, Mass. Operating mechanism for the fire shutter of moving picture projectors. 1,835,159; Dec. 8.
Holman, George A., Dayton, Ohio. Roofing clip. 1,825,732; Oct. 6.
Holman, Joseph W., Nashville, Tenn. Building structure. 1,814,474; July 14.
Holman, Medley S., Baker, Oreg. Snapper hasp. 1,821,640; Sept. 1.
Holman, Thomas G. (See Cecil, Joseph O., assignor.)
Holman, William, Manly, near Sydney, New South Wales, Australia. Warehouse truck. 1,818,060; Aug. 11.
Holmberg, Albert W. (See Watkins, P. H., and Holmberg.)
Holmberg, Albert W., South Orange, and P. H. Watkins, Leonia, N. J., assignors to The Goodyear's India Rubber Glove Mfg. Company, Naugatuck, Conn. Forming dipped rubber shoes and last therefor. 1,802,764; Apr. 28.
Holmberg, Edward P., Oklahoma City, Okla. Game apparatus. 1,820,617; Aug. 25.
Holmberg, Einar O., Wauwatosa, Wis. Speedometer. 1,823,044; Sept. 15.
Holmberg, Gus E., assignor to Schumann Piano Company, Rockford, Ill. Agraffe. 1,838,833; Dec. 29.
Holmboe, Lawrence S., Oklahoma City, Okla. Adjustable shore. 1,832,394; Nov. 17.
Holme, Julia M., St. Louis, Mo. Lady's garment. 1,796,152; Mar. 10.
Holmes, Abram G., assignor, by mesne assignments, to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Meter. 1,790,149; Jan. 27.
Holmes, Andrew J., assignor of one-fourth to W. R. Everett, Auburn, Wash. Electric heater. 1,818,953; Aug. 11.
Holmes, August. (See Mann, M. D. jr., and Holmes.)
Holmes, August, Newark, and L. Burgess, Roselle, N. J., assignors to Standard Oil Development Company. Converting materials containing lead sulphide to oxygenated compounds. 1,832,461; Nov. 17.
Holmes, Bernard G., Philadelphia, Pa. Fire alarm for telephones. 1,838,144; Dec. 29.
Holmes, Bradford B., New York, N. Y., assignor to American Chain Company, Inc. Roller bearing. 1,798,125; Mar. 24.
Holmes, Charles D. (See Gamel, H. W., and Holmes.)
Holmes, Charles I., Chicago, Ill. Headrest. 1,817,625; Aug. 4.
Holmes, E & B, Machinery Co. Inc. (See Beugler, Edwin F., assignor.)
Holmes, Earl K. (See Lewis, J. A., and Holmes.)
Holmes, Earl K., assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio. Drawbench tongs. 1,816,484; July 28.
Holmes, Edward H., assignor to Fort Pitt Malleable Iron Company, McKees Rocks, Pa. Hopper car door. 1,811,848; June 30.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Controller for driving mechanism. 1,793,175; Feb. 17.

Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Protector mechanism for narrow ware looms. 1,807,739; June 2.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Stopping mechanism for narrow ware loom. 1,811,432; June 23.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle actuating mechanism for narrow ware looms. 1,817,146; Aug. 4.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loose reed for looms. 1,826,314; Oct. 6.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Axminster loom. 1,830,274; Nov. 3.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical warp stop motion. 1,832,549; Nov. 17.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical weft detector. 1,834,312; Dec. 1.
Holmes, Ernest, Company. (See Holmes, Ernest W., assignor.)
Holmes, Ernest W., assignor to Ernest Holmes Company, Chattanooga, Tenn. Hydraulic lift. 1,800,020; Apr. 7.
Holmes, Ernest W., assignor to Ernest Holmes Company, Chattanooga, Tenn. Automobile lift. 1,809,939; June 16.
Holmes, Ernest W., assignor to Ernest Holmes Company, Chattanooga, Tenn. Automobile lift. 1,834,900; Dec. 1.
Holmes, Frank J., Maplewood, N. J. Handle and the like. 1,800,254; Apr. 14.
Holmes, Frederick, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Electricity meter. 1,834,779; Dec. 1.
Holmes, George A., Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Fastener. 1,789,310; Jan. 20.
Holmes, George A., Newton, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Fastener. 1,826,281; Oct. 6.
Holmes, Glenn E., and M. Treiman, assignors to Mexican American Hat Company, St. Louis, Mo. Buckle. 1,807,212; May 26.
Holmes, Harold S. (See Emmerich, John H., assignor.)
Holmes, Harold W., Detroit, Mich., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Centerless grinding machine. 1,837,821; Dec. 22.
Holmes, Harry W., assignor to The Regina Corporation, Rahway, N. J. Equipment for electric vacuum cleaners and the like. 1,806,461; May 19.
Holmes, Henry H. (See Wildt, E., and Holmes.)
Holmes, Henry S., New York, N. Y., assignor, by mesne assignments, to Metropolitan Engineering Company. Welding machine. 1,802,817; Apr. 28.
Holmes, Henry S., New York, assignor, by mesne assignments, to Metropolitan Engineering Company, Brooklyn, N. Y. Welding segment. 1,811,500; June 23.
Holmes, Henry S., New York, assignor to T. E. Murray, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors of said T. E. Murray, deceased, assignors to Metropolitan Engineering Company. Electric welding apparatus. 1,812,295; June 30.
Holmes, Henry S., Rockville Center, assignor, by mesne assignments, to Metropolitan Engineering Company, Brooklyn, N. Y. Producing pipe fittings and other hollow articles. 1,811,501; June 23.
Holmes, John Q. (See Poole, L. E., Holmes, and Goad.)
Holmes, John Q., assignor to Delco-Remy Corporation, Anderson, Ind. Machine for making pivot pins. 1,814,250; July 14.
Holmes, John Q., assignor to Delco-Remy Corporation, Anderson, Ind. Apparatus for making coils of insulated wire. 1,828,413; Oct. 20.
Holmes, John Q., assignor to Delco-Remy Corporation, Anderson, Ind. Machine for separating the wires of cables. 1,831,114; Nov. 10.
Holmes, John Q., assignor to Delco-Remy Corporation, Anderson, Ind. Apparatus for removing insulation from wires. 1,831,115; Nov. 10.
Holmes, John R. (See Roberts, T. H., and Holmes.)
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,792,092; Feb. 10.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling mechanism. 1,792,093; Feb. 10.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mechanical movement. 1,792,094; Feb. 10.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,801,861; Apr. 21.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,801,862; Apr. 21.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,808,224; June 2.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,810,105; June 16.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,813,803; July 7.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,813,804; July 7.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,815,827; July 21.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,815,873; July 21.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,819,778; Aug. 18.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Haulage mechanism. 1,820,191; Aug. 25.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,824,953; Sept. 29.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine; 1,824,954; Sept. 29.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Motor. 1,836,249; Dec. 15.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,836,250; Dec. 15.
Holmes, Nicholas J., Moonee Ponds, and C. Taylor, Albert Park, Victoria, Australia. Resilient wheel. 1,837,774; Dec. 22.
Holmes, Ralph S. (See Carlson, W. L., and Holmes.)
Holmes, Ray H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit for amplifier tubes. 1,819,511; Aug. 18.
Holmes, Richard M., Davenport, Iowa. Switch box. 1,824,548; Sept. 22.
Holmes, Sidney H. (See Hindley-Smith, J. D., and Holmes.)
Holmes, Thomas E., Glasgow, Scotland. Installation for forcing viscous fluid into containers. 1,811,752; June 23.
Holmes, W. C., and Company. (See Cooper, Charles, assignor.)
Holmes, W. C., and Company Limited. (See Cooper, Charles, assignor.)
Holmes, Warren, and C. H. James, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon boot and shoe soles. 1,796,103; Mar. 10.
Holmes, Will K. (See Dearborn, R. J., and Holmes.)
Holmes, Will K., Tulsa, Okla., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,804,933; May 12.
Holmes, William H., Mount Vernon, N. Y. Educational strip-holder. 1,826,934; Oct. 13.
Holmgreen, Julius H., assignor to Alamo Iron Works, San Antonio, Tex. Joint packing. 1,819,417; Aug. 18.
Holmgreen, Julius H., and R. H. Glenney, San Antonio, Tex. Road marker. 1,835,218; Dec. 8.
Holmgren, Elof, Red Deer, Alberta, Canada. Berry gatherer. 1,806,058; May 19.
Holmgren, Eric A., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Assembling machine. 1,830,604; Nov. 3.
Holmgren, Eric A., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Controlling mechanism. 1,830,605; Nov. 3.
Holmgren, Per F., Brooklyn, N. Y. Crank shaft. 1,803,432; May 5.
Holmgren, Oscar F. (See Holmgren, Otto W., assignor.)
Holmgren, Otto W., New York, assignor to O. F. Holmgren, White Plains, N. Y. Automatic multirecord expression mechanism. 1,827,814; Oct. 20.
Holmquist, Fred N., Phoenix, Ariz. Apparatus for distilling liquids. 1,827,846; Oct. 20.
Holmqvist, Elira V. (See Holmqvist, Ernst E., assignor.)
Holmqvist, Ernst E., assignor to E. V. Holmqvist, Stockholm, Sweden. Lighting apparatus. 1,811,084; June 23.
Holmsten, Niilo O. (See Ahola, W. E., and Holmsten.)
Holny, Michael. Chicago, Ill. Perforating machine. 1,808,500; June 2.
Holophane Company. (See Dorey, William A., assignor.)
Holophane Company. (See English, Solomon, assignor.)
Holophane Company. (See Froget, Andre, assignor.)
Holophane Company. (See Exelmans, Maurice, assignor.)
Holophane Company. (See Logan, Henry L., assignor.)
Holophane Company. (See Rolph, Thomas W., assignor.)
Holophane Company, Inc. (See Rolph, Thomas, W., assignor).
Holsclaw, Harry E. (See Holsclaw, Walter E. and H. E.)
Holsclaw, Walter E. and H. E., Evansville, Ind. Device for bending pipe and the like. 1,794,689; Mar. 3.
Holser, Raymond F. (See Cummins, Walter E., assignor.)
Holsey, Arthur. (See Graham, M. J., and Holsey.)
Holslag, Claude J., South Orange, assignor to Electric Arc Cutting & Welding Company, Newark, N. J. Multiple-arc welding, cutting, and reducing apparatus. 1,799,903; Apr. 7.
Holslag, Claude J., South Orange, and L. E. Widmark, assignors of one-half to Electric Arc Cutting & Welding Co., and one-half to Star Electric Motor Co., Newark, N. J. Welding system. 1,835,040; Dec. 8.

Holst, Gilles, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoen, Netherlands. Electron discharge tube. 1,811,051; June 23.
Holst, Gilles, Arend T. van Urk and R. Vermeulen, Eindhoven, Netherlands, assignors to Radio Corporation of America. Device for converting electric oscillations into mechanical vibrations. 1,820,943; Sept. 1.
Holst, Gilles, and P. R. Dijksterhuis, assignors to Naamlooze Vennootschap Philips' Gloeilampenfabreiken, Eindhove, Netherlands. Electron discharge tube. 1,837,437; Dec. 22.
Holstein, Adolph M., Syracuse, N. Y. Clock case. Des. 85,180; Sept. 22.
Holstein, Adolph M., Syracuse, N. Y. Clock case. Des. 85,647; Dec. 1.
Holstein, Adolph M., Syracuse, N. Y. Knob construction. 1,832,554; Nov. 17.
Holstein, Claude W., St. Albans, W. Va. Fountain pen. 1,811,317; June 23.
Holstein, Jacob M., Newark, N. J. Fur-scarf hanger. 1,791,027; Feb. 3.
Holstein, John V. (See Strandlund, C. G., and Holstein.)
Holt, Harold E. S., London, England. Apparatus for lowering mail bags and other loads from aircraft. 1,834,840; Dec. 1.
Holt, John E., assignor to Scovill Manufacturing Company, Waterbury, Conn. Ash tray. 1,829,861; Nov. 3.
Holt, John W., Cleveland, Ohio. Vehicle wheel construction. 1,812,337; June 30.
Holt, John W., Cleveland, Ohio. Wheel rim mounting device. 1,812,338; June 30.
Holt, John W., Cleveland Heights, Ohio. Mounting for dual rims. 1,830,396; Nov. 3.
Holt, John W., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Wheel-rim-locking structure. 1,790,421; Jan. 27.
Holt, Joseph P., Merion, assignor to Aberfoyle Manufacturing Company, Chester, Pa. Treating yarn. 1,820,663; Aug. 25.
Holt, Josephine L., Oakland, Calif. Doll handkerchief. 1,819,295; Aug. 18.
Holt, Josephine L. and W. N., Oakland, Calif. Abdominal support. 1,819,294; Aug. 18.
Holt, Raymond B., Bloomfield, N. J. Clothes checking apparatus. 1,802,149; Apr. 21.
Holt, Samuel, Ridgewood, N. Y., assignor to Norton Company, Worcester, Mass. Lapping machine. 1,815,104; July 21.
Holt, Walter H., Pittsburgh, Pa. Metal transfer and heating mechanism. 1,801,349; Apr. 21.
Holt, Walter O., assignor to Livermore and Knight Company, Providence, R. I. Easel for a poster. 1,789,001; Jan. 13.
Holt, William N. (See Holt, J. L. and W. N.)
Holte, Halvor, administrator. (See Holte, Harold O.)
Holte, Harold O., deceased, Pittsburgh, Pa., by H. Holte, adminstrator, Crookston, Minn., assignor to The Union Switch & Signal Company, Swissvale, Pa. Signaling apparatus. 1,805,092; May 12.
Holter, Alfred, Brevik, Norway. Traveller's toilet casket. 1,795,396; Mar. 10.
Holthoff, Henry C., Long Beach, Calif., assignor to B. S. Thayer, Philadelphia, Pa. Multistage low temperature coke apparatus. 1,827,199; Oct. 13.
Holton, Edward C., Olmsted Falls, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Destructively-distilled castor-oil condensation product and making the same. 1,799,420; Apr. 7.
Holton, John H., Norristown, Pa., assignor, by mesne assignments, to Carrier Corporation, Wilmington, Del. Recirculating air heater. 1,791,314; Feb. 3.
Holton, John H., and W. H. Horn, Norristown, assignors to York Heating and Ventilating Corporation, Philadelphia, Pa. Heating coil. 1,787,448; Jan. 6.
Holttum, Walter R., Luton, England. Hot press for pressing clothes and textile furnishings. 1,802,018; Apr. 21.
Holtus, Hermann, Essen, assignor to "Phoenix" Aktiengesellschaft für Bergbau und Hüttenbetrieb Abteilung Ruhrort, Duisburg-Ruhrort, of Duisburg-Ruhrort, Germany. Apparatus for turning over the work in roll trains. 1,791,962; Feb. 10.
Holtz, Frederick C., Springfield, Ill., assignor to Sangamo Electric Co., Springfield, Ill. Motor. Re18,145; Aug. 4.
Holtz, Frederick C. (See Lanphier, R. C., and Holtz.)
Holtz, Frederick C., assignor to Sangamo Electric Company, Springfield, Ill. Electrically-operated relay apparatus. 1,790,864; Feb. 3.
Holtz, John B., Los Angeles, Calif., assignor to Invention Development Corporation, Carson City, Nev. Advertising pedestal for weighing machine. Des. 84,744; July 28.
Holtzer-Cabot Electric Company, The. (See Baker, Randall B., assignor.)
Holtzer-Cabot Electric Company, The. (See Kennedy, Carlton L., assignor.)
Holtzer-Cabot Electric Company, The. (See Schirmer, Cyrus T., assignor.)
Holtzman, Abraham, New York, N. Y. Display device. 1,808,895; June 9.
Holtzman, John, New York, N. Y. Door lock. 1,790,422; Jan. 27.
Holtzman, John, New York, N. Y. Aerial toy drive. 1,794,017; Feb. 24.
Holtzman, John, New York, N. Y. Symmetrical razor sharpener. 1,798,882; Mar. 31.
Holtzman, John, New York, N. Y. Safety razor blade sharpening device. 1,802,511; Apr. 28.
Holtzman, John, New York, N. Y. Sewing machine drive. 1,808,776; June 9.
Holtzman, John, New York, N. Y. Doorlock. 1,813,927; July 14.
Holtzman, John, New York, N. Y. Safety razor. 1,833,079; Nov. 24.
Holtzman, John, New York, N. Y. Vehicle propelling mechanism. 1,833,114; Nov. 24.
Holtzman, John, New York, N. Y. Safety razor sharpener. 1,835,397; Dec. 8.
Holtzman, Paul R., Myerstown, Pa. Display rack. 1,831,493; Nov. 10.
Holub, Charles J., assignor to The W. E. Lamneck Company, Columbus, Ohio. Sheet-metal pipe. 1,789,941; Jan. 20.
Holub, Charles J., assignor to The W. E. Lamneck Company, Columbus, Ohio. Furnace register. 1,804,165; May 5.
Holz, August, Irvington, N. J., assignor to T. V. D. Berdell, New York, N. Y. Commercial production of dicalcium phosphate. 1,788,952; Jan. 13.
Holz, August, Irvington, N. J., assignor to T. V. D. Berdell, New York, N. Y. Producing fertilizers. 1,819,464; Aug. 18.
Holz, August, Irvington, N. J., assignor to T. V. D. Berdell, New York, N. Y. Producing fertilizers. 1,826,785; Oct. 13.
Holz, John C., and G. B. Trost, Peoria, Ill. Fuel pump. 1,834,947; Dec. 8.
Holzach, Karl, Ludwigshafen-on-the-Rhine, H. Kämmerer, Mannheim, and W. Müeller, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs containing chromium and making. 1,814,218; July 14.
Holzapfel, Eduard. (See Nawiasky, P., Braunsdorf, and Holzapfel.)
Holzapfel, Eduard. (See Nawiasky, P., Holzapfel, and Braunsdorf.)
Holzapfel, Eduard, O. Braunsdorf, and H. Lange, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the benzanthrone series. 1,822,968; Sept. 15.
Holzer, Hiram A., Pittsburg, Kans., assignor to United Iron Works, Inc., Kansas City, Mo. Exhaust pipe and pit. 1,838,834; Dec. 29.
Holzhydrolyse Aktiengesellschaft. (See Hagglund, Erik, assignor.)
Holzman, John F., Olcott, N. Y. Illuminating device. 1,824,270; Sept. 22.
Holzman, Paul A. (See Miller, Henry R., assignor.)
Holzwarth Gas Turbine Co. (See Hofmann, Friedrich, assignor.)
Holzwarth Gas Turbine Co. (See Holzwarth, Hans, assignor.)
Holzwarth Gas Turbine Co. (See Schilling, Rudolph, assignor.)
Holzwarth Gas Turbine Co. (See Sedlmeir, Michael, assignor.)
Holzwarth, Hans, Dusseldorf, Germany. Turbine blade for gas and steam turbines. 1,837,439; Dec. 22.
Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Multistage combustion turbine. 1,798,160; Mar. 31.
Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Rotor blade for high-temperature turbines. 1,800,730; Apr. 14.
Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Gas turbine blade. 1,801,427; April 21.
Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Cooling device for combustion gas turbines. 1,805,093; May 12.
Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Periodically introducing pulverulent fuels into internal combustion engines. 1,810,768; June 16.
Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Explosion turbine. 1,824,893; Sept. 29.
Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Combined steam and combustion gas power plant. 1,829,749; Nov. 3.
Holzworth, Ernest H., Buffalo, N. Y. Blast-furnace tuyère. 1,789,870; Jan. 20.
Holzworth, George, Halifax, Mass. Flower holder or similar article. Des. 85,697; Dec. 8.
Holzworth, George, Halifax, Mass. Flower holder or similar article. Des. 85,698; Dec. 8.
Homan, Leo, Oakland, Calif. Advertising device. 1,794,018; Feb. 24.
Home Sash and Manufacturing Company. (See Metler, W. S., and Schumacher, assignors.)
Homer, Albert R., East Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Safety device for punch presses or the like. 1,800,528; Apr. 14.

Homer, Edward C., and W. D. Buckingham, Southampton, assignors to The Western Union Telegraph Company, New York, N. Y. Method of and apparatus for driving tuning forks. 1,828,660; Oct. 20.
Homer, Mazie B., Baltimore, Md. Dispensing attachment for collapsible tubes. 1,797,686; Mar. 24.
Homer, Mazie B., Baltimore, Md. Dispensing attachment for collapsible tubes. 1,833,575; Nov. 24.
Homer, Nettie M., Brooklyn, N. Y. Combination sad iron and steamer. 1,831,742; Nov. 10.
Homestake Gold Mining Co. et al. (See Duschak, L. H., and Dennis, assignors.)
Homewood, Fred A., Roosevelt, Utah. Mining machine. 1,808,850; June 9.
Homeÿ, Gerhard, Cologne, Germany. Producing vessels from pressed wood or plywood. 1,823,102; Sept. 15.
Hommel, Georg, Aldingen, near Spaichingen, Germany. Sliding caliper with automatic locking device. 1,823,045; Sept. 15.
Hommel, Leon, Oakland, Calif. Wood-slicing machine. 1,799,814; Apr. 7.
Hommel, O., Company, The. (See Hommel, Oscar, assignor.)
Hommel, Oscar, Pittsburgh, Pa. Enamel ware. 1,805,143; May 12.
Hommel, Oscar, Pittsburgh, Pa., assignor to The O. Hommel Company. Making enamel ware. 1,819,816; Aug. 18.
Hommel, Susanna C., Whittier, Calif. Food mixer and whipper. 1,793,934; Feb. 24.
Homolya, Frederick, Kenosha, Wis. Sewer cleaning device. 1,823,144; Sept. 15.
Honberger, Frank S., Los Angeles, Calif. Protected concrete pile. 1,813,052; July 7.
Hone, John, Flin Flon, Manitoba, Canada. Pontoon for seaplanes and like bodies. 1,812,265; June 30.
Hönel, Herbert, Klusterneuburg-Weidling, near Vienna, Austria, assignor to Beck, Koller & Company, Detroit, Mich. Condensation product and preparing same. 1,800,295; Apr. 14.
Hönel, Herbert, Vienna, Austria, assignor to Beck, Koller & Company, Detroit, Mich. Artificial mass and making same. 1,800,296; Apr. 14.
Honer, Henry, Los Angeles, Calif. Sheet metal wall tile construction. 1,821,343; Sept. 1.
Honey, Charles, Winnipeg, Manitoba, Canada. Milk bottle holder. 1,814,926; July 14.
Honey, James W. (See Powell, Arthur, assignor.)
Honeycutt, James L., Mooresville, N. C. Mote and waste cleaner. 1,823,198; Sept. 15.
Honeyman, Henry W., jr., Providence, R. I. Warp looping machine. 1,835,492; Dec. 8.
Honeywell, Mark C., assignor to Minneapolis Honeywell Regulator Company, Wabash, Ind. Method of and apparatus for heating multiapartment buildings. 1,832,462; Nov. 17.
Honig, Frank, Oak Park, assignor to Cyclo Corporation, Chicago, Ill. Take-up method. 1,808,038; June 2.
Honig, Morris, New York, N. Y. Safety elevator for fire ladders. 1,794,175; Feb. 24.
Hönig, Philipp, Berlin, Germany. Apparatus for demonstration and advertising purposes. 1,795,128; Mar. 3.
Honigbaum, Harry H., New York, N. Y. Cigarette. 1,798,537; Mar. 31.
Honigbaum, Harry H., New York, N. Y. Interfitting lock for containers. 1,821,059; Sept. 1.
Honold, Ernst. (See Heidenreich, R., Zerweck, and Honold.)
Honold, Ernst. (See Kalischer, G., and Honold.)
Honold, Ernst. (See Zerweck, W., and Honold.)
Honolulu Iron Works Co. (See Wyllie, William, assignor.)
Honsaker, Charles C., Philadelphia, Pa. Apparatus for administering colon treatments. 1,818,978; Aug. 18.
Honstain, Vernon G., Minneapolis, Minn. Making pulverizing devices. 1,787,526; Jan. 6.
Honstain, Vernon G., Minneapolis, Minn. Creeper for tractor belts. 1,820.743; Aug. 25.
Hontz, Albert S., Mainville, Pa. Music-leaf turner. 1,792,373; Feb. 10.
Hontz, Albert S., Mainville, Pa. Animal trap. 1,794,958; Mar. 3.
Hood, Frederic C., Brookline, Mass., assignor, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Buckle. 1,787,728; Jan. 6.
Hood, Frederic C., Brookline, Mass., assignor, by mesne assignments, to Hood Rubber Company, Inc., Wilmington, Del. Buckle. 1,792,304; Feb. 10.
Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Ultra-violet transmitting substances. 1,830,902; Nov. 10.
Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Substance transparent to ultra-violet light and producing the same. 1,830,903; Nov. 10.
Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Ultra-violet transmission glasses and making the same. 1,830.904; Nov. 10.
Hood, James. (See Lemeiux, W. J., and Hood.)
Hood, James M., Colorado, Tex. Cotton picker. 1,794,293; Feb. 24.
Hood, John W., Salem, Va. Combination tie plate and rail gripper. 1,798,673; Mar. 31.
Hood, Leslie N., Greenville, S. C., and W. M. Scott, South Manchester, assignor to Cheney Brothers, South Manchester, Conn. Piece dyed silk and process. 1,819,027; Aug. 18.
Hood, Robert D., Sausalito, Calif. Plastering machine. 1,802,945; Apr. 28.
Hood, Robert D., Sausalito, Calif. Mortar spreader. 1,828,738; Oct. 27.
Hood Rubber Company. (See Everett, W. D., and Williams, assignors.)
Hood Rubber Company. (See Foster, Edward E., assignor.)
Hood Rubber Company. (See Fowler, Fred D., assignor.)
Hood Rubber Company. (See Glidden, A. A., Knowland, and Davis, assignors.)
Hood Rubber Company. (See Hood, Frederic C., assignor.)
Hood Rubber Company, Inc. (See Wydom, Herbert H., assignor.)
Hood, William L., Lexington, Mass. Box holder. 1,792,908; Feb. 17.
Hoodless, William H., Philadelphia, Pa. Back-up gear for gasoline-driven locomotives. 1,790,269; Jan. 27.
Hoodless, William H., Philadelphia, Pa. Pump. 1,816,931; Aug. 4.
Hooey, William C. (See Flynn, E. J., and Hooey.)
Hooey, William C., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Treatment of zinc-bearing material. 1,799,166; Apr. 7.
Hooey, William C., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Treatment of zinc-bearing material. 1,820,455; Aug. 25.
Hooft, Franciscus Y. (See Kluyver, Albert J., assignor.)
Hook, Charles H., Pittsburgh, and N. L. Mercur, McKeesport, Pa.; said Mercur assignor to said Hook. Sectional boiler. 1,818,396; Aug. 11.
Hook, Lee H., P. Evans, and C. S. Wallrab, Chicago Heights, assignors to Calumet Steel Company, Chicago, Ill. Repeater. 1,805,312; May 12.
Hooker, Jesse J., assignor of one-half to Roland T. Burghardt, Eugene, Oreg. Hook. 1,793,615; Feb. 24.
Hookless Fastener Company. (See Aronson, Peter A., assignor.)
Hookless Fastener Company. (See Freysinger, John B., assignor.)
Hookless Fastener Company. (See Lamb, Harold, assignor.)
Hookless Fastener Company. (See Nicholson, Robert H., assignor.)
Hookless Fastener Company. (See Norton, Samuel H., assignor.)
Hookless Fastener Company. (See Seaver, Elliot O., assignor.)
Hookless Fastener Company. (See Sundback, Gideon, assignor.)
Hookless Fastener Company. (See Walker, Wallace D., assignor.)
Hookless Fastener Company. (See Walrath, Herbert R., assignor.)
Hookless Fastener Company. (See Whitney, Ernest M., assignor.)
Hooks, James D., Macon, Ga. Roller skate. 1,790,423; Jan. 27.
Hooley, John W., Larchmont, N. Y., assignor to Hixley Electric Company, Inc. Panel cabinet for electrical connections. 1,796.521; Mar. 17.
Hooley, John W., Larchmont, N. Y., assignor to Hixley Electric Company, New York, N. Y. Sectional cabinet for electrical connections. 1,838,515; Dec. 29.
Hooley, John W., Larchmont, assignor to Hixley Electric Company, New York, N. Y. Sectional cabinet for electrical connections. 1,838,516; Dec. 29.
Hooper, Ansel C., Miami Beach, Fla. Shoulder strap retainer. 1,807,290; May 26.
Hooper, Charles L., and R. F. Sutherland, Rochester, assignor to Vacuum Oil Company, New York, N. Y. Drum gripper. 1,818,134; Aug. 11.
Hooper, Edward J., Nutley, N. J. Necktie. 1,811,393; June 23.
Hooper, F. X., Company. (See Greenwood, Henry B., assignor.)
Hooper, F. X., Company, Inc. (See Fitchett, Thomas S., assignor.)
Hoopes, Penrose R., Hartford, Conn., assignor to Essex Rubber Company, Trenton, N. J. Trimming machine. 1,799,749; Apr. 7.
Hoople, Charles I., Honolulu, Hawaii. Friction ball joint. 1,800,797; Apr. 14.
Hoople, Charles I., Honolulu, Hawaii. Adjustable antiglare shield. 1,806,059; May 19.
Hoops, Howard C. (See Wilson, Archibald E., assignor.)
Hoos, Benjamin G. (See Schur, M. O., and Hoos.)
Hoos, Willem, Wassenaar, Netherlands. Binder twine box. 1,832,395; Nov. 17.
Hoosier Manufacturing Company, The. (See Weesner, Clay, assignor.)
Hooven, C. E. (See Evans, Kelley D., assignor.)
Hoover, Charles E., Lancaster, Pa. Battery terminals. 1,787,905; Jan. 6.
Hoover, Charles E., Lancaster, Pa. Battery-terminal-connecter unit. 1,787,906; Jan. 6.
Hoover, Charles E., Lancaster, Pa. Electric terminal connecter. 1,809,202; June 9.
Hoover, Charles P., Columbus, Ohio. Softening water. 1,823,605; Sept. 15.

Hoover, Charles W., Burbank, assignor to Phillips Petroleum Company, Bartlesville, Okla. Coupling. 1,806,687; May 26.
Hoover Company, The. (See Ballou, Harry L., assignor.)
Hoover Company, The. (See Barrass, Juddson E., assignor.)
Hoover Company, The. (See Becker, Bernard C., assignor.)
Hoover Company, The. (See Curry, Gordon C., assignor.)
Hoover Company, The. (See Davidson, Walter C., assignor.)
Hoover Company, The. (See Hampson, E. A., and Smellie, assignors.)
Hoover Company, The. (See Holley, Clarence M., assignor.)
Hoover Company, The. (See Hoover, Howard E., assignor.)
Hoover Company, The. (See Judisch, Robert F., assignor.)
Hoover Company, The. (See Nelson, Rudolph S., assignor.)
Hoover Company, The. (See Nulsen, M. E., and Buchtel, assignors.)
Hoover Company, The. (See Shank, Charles L., assignor.)
Hoover Company, The. (See Smellie, Donald G., assignor.)
Hoover Company, The. (See Smellie, D. G., Lowry, and Becker, assignors.)
Hoover Company, The. (See Smellie, D. G., White, and Nulsen, assignors.)
Hoover Company, The. (See Studer, Clair W., assignor.)
Hoover Company, The. (See White, Harry B., assignor.)
Hoover, Frank, Wichita, Kans. Automobile windshield scraper. 1,790,544; Jan. 27.
Hoover, Howard E., Glencoe, Ill., assignor to The Hoover Company. Advertising display. 1,796,153; Mar. 10.
Hoover, Joseph C., Detroit, Mich., assignor, by mesne assignments, to Jewell Electrical Instrument Company, Chicago, Ill. Set checker. 1,805,094; May 12.
Hoover, Lillian M., Lansing, Mich. Support for scrotum bowls. 1,811,792; June 23.
Hoover, Otto, East St. Louis, Ill. Auxiliary apparatus for setting air brakes. 1,799,422; Apr. 7.
Hoover, Ray, North Plainfield, N. J., and R. F. Dirkes, Jamaica, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y. Phasing. 1,790,150; Jan. 27.
Hoover, Ray, North Plainfield, N. J., and R. F. Dirkes, Jamaica, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y. Multiple transmission. 1,793,319; Feb. 17.
Hoover, Ray, North Plainfield, N. J., and R. F. Dirkes, Jamaica, assignors to The Western Union Telegraph Company, New York, N. Y. Sending alternating currents to multiplex lines. 1,829,653; Oct. 27.
Hoover, Ray, Plainfield, and F. J. Haupt, Bergenfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Tape perforator and transmitter. 1,830,700; Nov. 3.
Hoover, Ray, North Plainfield, N. J., and R. F. Dirkes, Jamaica, assignors to The Western Union Telegraph Company, New York, N. Y. Taking outgoing printed records. 1,834,841; Dec. 1.
Hoover & Strong, Inc. (See Pryor, Walter J., assignor.)
Hope, Bertram C., Port Huron, Mich. Beater roll adjuster and indicator. 1,831,004; Nov. 10.
Hope, Earl W., assignor to The A. I. Root Company, Medina, Ohio. Beehive. 1,830,905; Nov. 10.
Hope, Ernest, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing tool. 1,814,553; July 14.
Hope, Frederick T., Seattle, Wash. Shaving device. 1,836,800; Dec. 15.
Hope, Samuel N., Wauwatosa, assignor to Griffith-Hope Company, West Allis, Wis. Card holder. 1,835,650; Dec. 8.
Hope, Samuel N., Wauwautosa, Wis., assignor to Dudley Lock Corporation, Chicago, Ill. Combination lock. 1,837,219; Dec. 2.
Hope, Samuel N., Wauwatosa, Wis., and J. J. Neitz, Naperville, assignors to Dudley Lock Corporation, Chicago, Ill. Combination lock. 1,831,177; Nov. 10.
Hope Webbing Company. (See Dinsmore, John C., assignor.)
Hopewell Brothers. (See Wolford, Merl R., assignor.)
Hopewell, Charles F., et al. (See Wolfard, Merl R., assignor.)
Hopewell, Helen C., et al. (See Wolfard, Merl R., assignor.)
Hopf, Floyd F., assignor to F. R. Barbour, Los Angeles, Calif. Luggage rack. 1,838,021; Dec. 22.
Hopff, Heinrich. (See Günther, F., Hopff, and Schuster.)
Hopff, Heinrich, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of valuable organic oxygen compounds. 1,801,350; Apr. 21.
Hopff, Heinrich, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Anthraquinone-1-carboxylic acid. 1,830,838; Nov. 10.
Hopgood, John M. (See Peebles, Thomas A., assignor.)
Hopkin, Alfred, jr., Philadelphia, Pa., assignor to Pittsburgh Reflector Company, Pittsburgh, Pa. Color screen for reflectors. 1,824,894; Sept. 29.
Hopkins, Alfred, assignor to Hopkins-Tull Machinery Company, Philadelphia, Pa. Filter. 1,810,965; June 23.
Hopkins, Arthur C., assignor to National-Standard Company, Niles, Mich. Lifting jack. 1,807,914; June 2.
Hopkins, Arthur C., assignor to National-Standard Company, Niles, Mich. Hydraulic jack. 1,811,085; June 23.
Hopkins, Cecil W., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,822,348; Sept. 8.
Hopkins, Cecil W., assignor to The Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,825,797; Oct. 6.
Hopkins Corporation. (See Gumaer, Percy W., assignor.)
Hopkins Corporation. (See Hopkins, Marcus C., assignor.)
Hopkins, Edmund C., London, England. Conveyer. 1,817,373; Aug. 4.
Hopkins, Frank H., Arlington, Mass., assignor, by mesne assignments, to Consolidated Ashcroft Hancock Company, Inc., New York, N. Y. Nonvibrating relief valve. 1,807,594; June 2.
Hopkins, George W., Cleveland, Ohio. Mixing apparatus. 1,794,769; Mar. 3.
Hopkins, Harvey W., Baltimore, Md. Coal truck. 1,823,941; Sept. 22.
Hopkins, Irving L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk telephone set. 1,823,323; Sept. 15.
Hopkins, John A. H., et al., executors. (See Oscanyan, Paul C.)
Hopkins, Lester M., Hawthorne, Nev. Burglar alarm. 1,831,005; Nov. 10.
Hopkins, Marcus C., Washington, D. C., assignor to Hopkins Corporation, Jersey City, N. J. Loud speaker. 1,815,945; July 28.
Hopkins, Marion, administrator. (See Allerton, Samuel E.)
Hopkins, Marion B., Elizabeth, N. J., assignor to Standard Oil Development Company. Dehydrogenating hydrocarbons. 1,808,168; June 2.
Hopkins, Nevil M., New York, N. Y. Manufacturing cigarettes. 1,796,522; Mar. 17.
Hopkins, Nevil M., New York, N. Y., assignor, by mesne assignments, to Gilmont Products Corporation. Filling bicompartment collapsible tubes. 1,828,864; Oct. 27.
Hopkins, Nevil M., New York, N. Y., assignor, by mesne assignments, to Gilmont Products Corporation. Apparatus for filling multicompartment containers. 1,828,865; Oct. 27.
Hopkins, Peter J., assignor to Great Western Fuse Company, Pittsburgh, Pa. Renewable fuse. 1,793,318; Feb. 17.
Hopkins, Philip S., assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Method and apparatus for reproducing sound in connection with pictures. 1,826,786; Oct. 13.
Hopkins, Ralph Z., and G. T. Davey, assignors to Hudson Motor Car Company, Detroit, Mich. Safety mechanism for cranes. 1,814,599; July 14.
Hopkins, Ralph Z., and A. E. Fellers, Detroit, and O. T. Coffelt, Grosse Point, assignors to Hudson Motor Car Company, Detroit, Mich. Preparing metal surfaces to receive permanent coatings. 1,814,600; July 14.
Hopkins, Ralph Z., and E. F. Seger, Detroit, assignors to Hudson Motor Car Company, Detroit, Mich. Spray stencil. 1,817,147; Aug. 4.
Hopkins, Ralph Z., and E. F. Seger, assignors to Hudson Motor Car Company, Detroit, Mich. Polishing wheel. 1,819,171; Aug. 18.
Hopkins, Ralph Z., and E. F. Seger, assignors to Hudson Motor Car Company, Detroit, Mich. Portable sanding and polishing device. 1,834,059; Dec. 1.
Hopkins, Richard M., Rutherford, assignor to American District Telegraph Company, Jersey City, N. J. Alarm system and cumulative control device therefor. 1,829,721; Oct. 27.
Hopkins, Robert C., Alliance, Ohio. Oil burner. 1,789,977; Jan. 27.
Hopkins, Robert C., Alliance, Ohio. Oil mill. 1,796,104; Mar. 10.
Hopkins, Robert C., Alliance, Ohio. Pin control regulating valve. 1,801,959; Apr. 21.
Hopkins, Robert C., Alliance, Ohio. Mobile blower unit. 1,806,460; May 19.
Hopkins, Robert C., Alliance, Ohio. Gas valve. 1,806,462; May 19.
Hopkins, Robert C., Alliance, Ohio. Oil and gas furnace. 1,806,463; May 19.
Hopkins, Robert C., Alliance, Ohio. Pickling machine. 1,835,219; Dec. 8.
Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Pipe flanging and upsetting machine. 1,807,531; May 26.
Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-printing machine. 1,799,817; Apr. 7.
Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic printing and vignetting apparatus. 1,799,818; Apr. 7.
Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Adjustable light source for photographic printing machines. 1,804,771; May 12.

Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Platen for photographic printing machines. 1,809,238; June 9.
Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic printing machine. 1,823,145; Sept. 15.
Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Indicating device for document photographing apparatus. 1,826,664; Oct. 6.
Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic printing machine. 1,831,248; Nov. 10.
Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Mechanism for recording data on film. 1,836,714; Dec. 15.
Hopkins, Seth H., Bar Harbor, Me. Davit-tackle hook. 1,793,401; Feb. 17.
Hopkins Spray Equipment Company. (See Tittamore, Frank A., assignor.)
Hopkins-Tull Machinery Company. (See Hopkins, Alfred, assignor.)
Hopkins, Willys C., Port Arthur, Tex. Pressure gauge attachment. 1,803,255; Apr. 28.
Hopkinson, Ernest, New York, N. Y. Adhesive composition. 1,808,225; June 2.
Hopkinson, Ernest, New York, N. Y., assignor to Morgan & Wright, Detroit, Mich. Form for rubber articles. 1,826,214; Oct. 6.
Hopkinson, Ernest, New York, and W. A. Gibbons, Little Neck, N. Y., assignors to Morgan & Wright, Detroit, Mich. Manufacture of rubber tubes. 1,797,580; Mar. 24.
Hopkinson, Ernest, New York, and W. A. Gibbons, Little Neck, assignors to New York Belting & Packing Company, New York, N. Y. Making articles of rubber and fibrous material and product. 1,805,245; May 12.
Hopkinson, Ernest, New York, and W. A. Gibbons, Little Neck, Long Island, N. Y., assignors to Morgan & Wright, Detroit, Mich. Rubber tube. 1,808,226; June 2.
Hopkinson, Harry, Lansdowne, Pa., assignor to The Brunsene Company of Mass., Watertown, Mass. Fireproof porous material and making same. 1,797,865; Mar. 24.
Hopkinson, Joseph, assignor to Dayton Scale Company, Dayton, Ohio. Weighing scales. 1,830,942; Nov. 10.
Hopkinson, Robert A., et al. (See Metcalfe, Thomas, assignor.)
Hopkinsons Limited, et al. (See Metcalfe, Thomas, assignor.)
Hopland, Raymond R., deceased, Rockport, Wash.; R. J. Hopland, administrator. Electric socket lock. 1,825,867; Oct. 6.
Hopland, Robert J., administrator. (See Hopland, Raymond R.)
Hop On, Chaw, assignor to Quong Sun Company Inc., New Orleans, La. Shrimp-treating machine. 1,787,835; Jan. 6.
Hopp, George, et al. (See Hopp, Hermann, assignor.)
Hopp, George, et al. (See Hopp, Leo., assignor.)
Hopp, Herman, assignor of one-half to H. Gold and one-half to G. Hopp, New York, N. Y. Price-ticket holder. 1,795,210; Mar. 3.
Hopp, Leo, assignor of one-half to H. Gold and one-half to G. Hopp, New York, N. Y. Price ticket holder. 1,807,213; May 26.
Hopp, Leo, assignor of one-half to G. Hopp, and one-half to Harriet Gold, New York, N. Y. Price ticket holder. 1,810,049; June 16.
Hoppe, Boris B. (See Hoppe, Olga I. and B. B.)
Hoppe, Friedrich A., and J. Cryns, assignors to The Petersen Oven Company, Chicago, Ill. Oven loader. 1,826,885; Oct. 13.
Hoppe, Herman, Borger, Tex. Method of and apparatus for treating crude oil. 1,818,480; Aug. 11.
Hoppe, Olga I. and B. B., Kew Gardens, N. Y.; said Olga I. Hoppe assignor to said B. B. Hoppe. Tip for laces or the like. 1,792,640; Feb. 17.
Hoppe, Olga I. and B. B., Kew Gardens, N. Y.; said Olga I. Hoppe assignor to said B. B. Hoppe. Shoe buckle or fastener. 1,834,401; Dec. 1.
Hopper, Frank, Wharton, N. J. Type bed and support. 1,793,616; Feb. 24.
Hopper, Franz, Andritz, Austria. Press. 1,838,835; Dec. 29.
Hopper, William, Old Kilpatrick, Scotland, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Decalcomania transfer sheet. Des. 85,334; Oct. 13.
Hopper, William, Old Kilpatrick, Scotland, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine frame. Des. 85,433; Oct. 27.
Hopper, William, Old Kilpatrick, Scotland, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Decalcomania transfer sheet. Des. 85,434; Oct. 27.
Hopper, William, Old Kirkpatrick, Scotland, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine frame. Des. 85,435; Oct. 27.
Hoppes, Charles E., assignor to The Everwear Manufacturing Company, Springfield, Ohio. Coupling device. 1,821,182; Sept. 1.
Hoppes, Charles E., assignor to The Everwear Manufacturing Company, Springfield, Ohio. Playground apparatus. 1,826,468; Oct. 6.
Hopping, Ernest L., Philadelphia, Pa., assignor to The Babcock & Wilcox Company, Bayonne, N. J. High pressure water gauge. 1,802,512; Apr. 28.
Hopson, Morton, Eustis, Fla. Suction pump. 1,804,987; May 12.
Hopson, W. C., Company. (See Behler, Earl E., assignor.)
Hopwood, John M. (See Peebles, Thomas A., assignor.)
Hopwood, William B., assignor to The Beacon Falls Rubber Shoe Company, Beacon Falls, Conn. Shoe sole. Des. 82,988; Jan. 6.
Horan, Edward S., and C. Metzler, jr., Carlstadt, N. J. Radiator. 1,839,029; Dec. 29.
Horan, Frank A., Brooklyn, N. Y. Plate lifter. 1,821,805; Sept. 1.
Horber, Ernst, Ennetbaden, Switzerland. Bait. 1,831,178; Nov. 10.
Horch, Jacob A., Los Angeles, Calif. Mail box. 1,791,243; Feb. 3.
Hord, Winn E., Maysville, Ky. Tobacco sticks. 1,813,292; July 7.
Horeth, Martin, Brooklyn, N. Y. Hub cap wrench. 1,808,462; June 2.
Horiguchi, Chuji, Higashinari-Ku, Osaka-Shi, assignor to Kabushiki Kaisha Azumi Daiyakuho, Nishi-Yodogana-Ku, Osaka-Shi, Japan. Machine for making paper-covered incense-cord. 1,808,111; June 2.
Horii, Shinjiro, Tokyo, Japan. Stencil sheet. 1,790,987; Feb. 3.
Horii, Shinjiro, Tokyo, Japan. Stencil sheet. 1,792,095; Feb. 10.
Horii, Shinjiro, Tokyo, Japan. Stencil sheet. 1,799,793; Apr. 7.
Horii, Shinjiro, Kanda-Ku, Tokyo, Japan. Stencil sheet. 1,825,798; Oct. 6.
Horii, Shinjiro, Kanda-Ku, Tokyo, Japan. Stencil sheet. 1,829,750; Nov. 3.
Horine, Merrill C., assignor to International Motor Company, New York, N. Y. Crank axle construction for six wheel buses. 1,831,862; Nov. 17.
Horix, Carl, Chicago, Ill. Desk novelty. 1,789,439; Jan. 20.
Horix, Carl, Chicago, Ill. Mounting for emblems or the like. 1,794,379; Mar. 3.
Horix, Carl, Chicago, Ill. Attachment for belts. 1,818,329; Aug. 11.
Horlacher, Carl P. (See Watters, L. A., Baumann, and Horlacher.)
Horlacher, Elmer L. (See Smith, H. F., and Horlacher.)
Horlacher, Elmer L., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,819,172; Aug. 18.
Horlacher, Elmer L., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerator. 1,827,749; Oct. 20.
Horlick, William, jr., Racine, Wis. Food product and manufacture thereof. 1,813,574; July 7.
Horman, Alfred E., New York, N. Y. Lubricating device. 1,836,597; Dec. 15.
Hormel, August. (See Wagner, Charles, and Hormel.)
Hormel, August, Hudson Heights, N. J., assignor of one-half to C. Wagner. Imprint transfer mechanism. 1,814,806; July 14.
Hormes, William T., Catonsville, Md. Leg for tables, show cases, or the like. Des. 83,199; Feb. 3.
Hormes, William T., Catonsville, Md. Panel. Des. 83,444; Feb. 24.
Hormes, William T., Catonsville, Md. Table. Des. 83,537; Mar. 3.
Hormes, William T., Catonsville, Md. Panel. Des. 83,538; Mar. 3.
Hormes, William T., Catonsville, Md. Combination cornice and pilaster. Des. 84,037; Apr. 28.
Hormes, William T., Catonsville, Md. Locking device for doors. 1,817,689; Aug. 4.
Hormes, William T., Baltimore, Md. Protecting articles of furniture and the like. 1,833,749; Nov. 24.
Horn, Charles W. (See Davis, R. L., and Horn.)
Horn, Clarence J., assignor to Growers Service Company, Fresno, Calif. Container for packing and shipping fresh fruit. 1,809,702; June 9.
Horn, Erhard, Leipzig, Germany. Speed indicator with several measuring ranges. 1,808,112; June 2.
Horn, Floyd C., San Leandro, Calif. Muffler. 1,835,872; Dec. 8.
Horn, George B., Fort Wayne, Ind., assignor to General Cable Corporation, New York, N. Y. Electrical induction coil and manufacture thereof. 1,815,620; July 21.
Horn, Guido, Weissensee, near Berlin, Germany. Round braiding machine. 1,808,463; June 2.
Horn & Hardart Baking Co. (See Bencker, R. B., and Howden, assignors.)
Horn and Hardart Baking Company. (See Cramer, Albert M., assignor.)
Horn, Harold J., assignor to John A. Roebling's Sons Company, Trenton, N. J. Making electrodes. 1,829,933; Nov. 3.
Horn, John C., Glenkarn, Ohio. Broom holder. 1,793,320; Feb. 17.
Horn, Paul, Strasbourg, France. Device in signs for removably fastening motives to supporting surfaces. 1,803,256; Apr. 28.
Horn, Royal. (See Eaton, G. R., and Horn.)
Horn, Royal, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Illuminated dial. 1,791,131; Feb. 3.
Horn, Sidney C., Mount Vernon, assignor to Wilson-Maeulen Company, Inc., New York, N. Y. Electrical semipotentiometer. 1,791,563; Feb. 10.

Horn, Thomas W., Cleveland, Ohio. Paper feeder. 1,838,624; Dec. 29.
Horn, William H. (See Holton, J. H., and Horn.)
Horn, William J., assignor, by mesne assignments, to McKesson & Robbins, Inc., Bridgeport, Conn. Medicinal preparation. 1,824,018; Sept. 22.
Horn, William M., Detroit, Mich., assignor to Horace E. Dodge Boat & Plane Corporation, New York, N. Y. Clutch control mechanism. 1,819,711; Aug. 18.
Hornaday, Waller C., University City, assignor to Jas. H. Forbes Tea & Coffee Company, St. Louis, Mo. Rack. 1,824,142; Sept. 22.
Hornbeck, Lewis E., Wellington, assignor to The Production Equipment Company, Wichita, Kans. Grip. 1,838,400; Dec. 29.
Hornbuckle, William P., and R. F. Craig, Stanley, N. C. Beam-dyeing machine. 1,799,421; Apr. 7.
Hornby, Edgar A. (See Warren, F. A., and Hornby.)
Hornby, Frank, Liverpool, England, assignor, by mesne assignments, to H. R. Hough Company. Lock washer. Re18,227; Oct. 20.
Horne, George H., Glendale, assignor to International Precipitation Company, Los Angeles, Calif. Method and apparatus for electrical precipitation. 1,800,529; Apr. 14.
Horne, George H., Glendale, and M. A. Lissman, assignors to International Precipitation Company, Los Angeles, Calif. Apparatus for heat interchanging. 1,812,339; June 30.
Horner, Carrie. (See Farr, Alfred C., assignor.)
Horner, Harold R. (See Edwards, C. B., and Horner.)
Horner, Vaughan, Pittsburgh, Pa. Split D handle. 1,797,724; Mar. 24.
Horni, Joseph T., Newark, N. J. Sign. 1,789,466; Jan. 20.
Horni, Joseph T., Newark, N. J. Traffic sign stand. 1,805,095; May 12.
Horni, Paul P., Newark, N. J. Aircraft control. 1,794,690; Mar. 3.
Horni, Paul P., Newark, N. J. Interlocking key assembly. 1,810,399; June 16.
Horni, Paul P., Newark, N. J. Aerial package carrier and signal. 1,812,955; July 7.
Horni, Paul P., Newark, N. J. Self-starting synchronous motor. 1,818,330; Aug. 11.
Hornibrook, John, Salt Lake City, Utah. Sign. 1,802,425; Apr. 28.
Hornicek, Jerry, Corraopolis, Pa. Hairpin holder. 1,813,622; July 7.
Horning, Harry L., Waukesha, Wis. Internal combustion engine. 1,822,097; Sept. 8.
Horning, Harry L., assignor to Waukesha Motor Company, Waukesha, Wis. Intake mixture heating system. 1,822,147; Sept. 8.
Horning, Harry L., assignor to Waukesha Motor Company, Waukesha, Wis. Internal combustion engine. 1,835,943; Dec. 8.
Hornke, Hugo W., Cleveland, Ohio. Fish-net float. 1,787,862; Jan. 6.
Horner, Aurelius P., Caldwell, assignor to E-K. Medical Gas Laboratories, Incorporated, West Orange, N. J. Stopping the travel of exploding and burning fluids. 1,817,148; Aug. 4.
Hornor, Aurelius P., Caldwell, and C. B. Gardenier, Belleville, assignors to E.-K. Medical Gas Laboratories, Incorporated, West Orange, N. J. Apparatus for dehydrating and purifying gases. 1,821,549; Sept. 1.
Hornsby, Harold, Scunthorpe, England. Internally driven power roller. 1,811,394; June 23.
Horofes, Mesrob, Buffalo, N. Y. Smoker's ash receiver. Des. 82,989; Jan. 6.
Horos, Alexander and S., Philadelphia, Pa. Cap. 1,805,522; May 19.
Horos, Stephen. (See Horos. A. and S.)
Horowit, Benn B. (See Sernaker, Harry, assignor.)
Horowitz, Louis. (See Theys, H. S., and Horowitz.)
Hörrmann, Karl. (See Kraemer, E., and Hörrmann.)
Horsch, Walter H. (See Rudolph, H. V., and Horsch.)
Horsfield, Basil T., Badin, N. C., assignor to Aluminum Company of America, Pittsburgh, Pa. Purifying alumina. 1,798,261; Mar. 31.
Horsley, Caperton, and E. R. Goldfield, Cleveland, Ohio, assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Controlling means for electric circuits. 1,831,006; Nov. 10.
Horsley, James H., assignor to Universal Lamp Company, Chicago, Ill. Acetylene lamp. 1,790,709; Feb. 3.
Horsley, William D. (See Parsons, C. A., Rosen, and Horsley.)
Horsman, Charles M., Salem, Ill. Window inclosure for locomotive cabs and the like. 1,801,199; Apr. 14.
Horst, Adam, assignor to the firm Voigt & Haeffner A. G., Frankfort-on-the-Main, Germany. Electric switch. 1,795,211; Mar. 3.
Horst, Emil C., San Francisco, Calif. Preparing hop extract and products containing hop extract. 1,500,632; Apr. 14.
Horst, Ludwig, Berlin-Wilmersdorf, Germany, assignor to Sirius Kleuren-Film-Maatschappij, Boschen, Duin, near Utrecht, Netherlands. Photographic film copying device. 1,823,400; Sept. 15.
Horste, Joseph, assignor to Detroit Harvester Company, Detroit, Mich. Driving attachment for tractors. 1,797,957; Mar. 24.
Horste, Joseph, assignor to Detroit Harvester Company, Detroit, Mich. Drilling machine. 1,838,625; Dec. 29.
Horsting, Bernard F., and G. C. Leppla, Chicago, Ill. Clip. 1,815,006; July 14.
Horsting, Bernard F., and G. C. Leppla, Chicago, Ill. Clip. 1,817,149; Aug. 4.
Horstkotte, Edward H. (See Thompson, L. W., and Horstkotte.)
Horstkotte, Edward H., Schenectady, N. Y., assignor to General Electric Company. System of speed control. 1,805,486; May 19.
Horstman, John H., Dayton, Ohio. Tie rack. Des. 85,287; Oct. 6.
Horstman, Louis, Sterling, Nebr. Signal for turning corners. 1,810,966; June 23.
Horstmann, John C. F., Brooklyn, N. Y. Game indicator. 1,792,166; Feb. 10.
Hörtinger, Dominik, assignor to Wolfgang Heintschel-Heinegg, Vienna, Austria. Device for grinding razor blades. 1,832,982; Nov. 24.
Horton, Albert G. (See Buchanan, M. K., and Horton.)
Horton, Albert J. (See Ball, H. V., and Horton.)
Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y. Printing machine. 1,809,384; June 9.
Horton, Albert J., White Plains, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y. Web roll changer. 1,829,719; Oct. 27.
Horton, Allen A., Plymouth, assignor to Burroughs Adding Machine Company, Detroit, Mich. Dashpot for calculating machines. 1,791,315; Feb. 3.
Horton, Allen A., Plymouth, assignor to Burroughs Adding Machine Company, Detroit, Mich. Transfer mechanism for calculating machines. 1,821,711; Sept. 1.
Horton, Allen A., Plymouth, assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 1,827,890; Oct. 20.
Horten, Alphons, Berlin-Wilmersdorf, Germany. Manufacturing concrete pipes. 1,788,718; Jan. 13.
Horton, Arthur W., jr., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artificial line. 1,799,794; Apr. 7.
Horton, Bryson D., assignor to Square D Company, Detroit, Mich. Meter adapter. 1,788,624; Jan. 13.
Horton, Bryson D., assignor to Square D Company, Detroit, Mich. Combined switch and fuse cabinet. 1,788,719; Jan. 13.
Horton, Bryson D., assignor to Square D Company, Detroit, Mich. Electrical service installation. 1,792,424; Feb. 10.
Horton, Bryson D., assignor to Square D Company, Detroit, Mich. Branch fused cut-out block. 1,792,425; Feb. 10.
Horton, Bryson D., assignor to Square D Company, Detroit, Mich. Ground wire connection. 1,813,448; July 7.
Horton, Charles W., assignor, by mesne assignments, to J. E. Strong, Grand Rapids, Mich. Folding table and bench. 1,812,483; June 30.
Horton, Dwight. (See Collom, C. B., and Horton.)
Horton, Ernest J., assignor to Ruud Manufacturing Company, Pittsburgh, Pa. Closure. 1,790,865; Feb. 3.
Horton, Ernest J., Pittsburgh, Pa., assignor to Ruud Manufacturing Company. Water heater. 1,796,523; Mar. 17.
Horton, Erwin C. (See Hueber, H., and Horton.)
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Fender mirror. 1,811,823; June 23.
Horton, Erwin C., Hamburg, and H. Hueber, Buffalo, assignors to Trico Products Corporation, Buffalo, N. Y. Horn. 1,834,619; Dec. 1.
Horton, George T., Chicago, Ill. Storage tank. 1,819,418; Aug. 18.
Horton, H. L., et al. (See Griffin, Albert D., assignor.)
Horton & Hubbard Mfg. Co., The. (See Caro, Abraham, assignor.)
Horton, John O., assignor to Beach Manufacturing Company, Montrose, Pa. Sawing machine. 1,805,043; May 12.
Horton, John O., assignor to Beach Manufacturing Company, Montrose, Pa. Sewing machine. 1,810,245; June 16.
Horton, Joseph W., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,788,522; Jan. 13.
Horton, Joseph W., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording and reproducing. 1,799,795; Apr. 7.
Horton, Joseph W., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System operating on a marginal current basis. 1,823,739; Sept. 15.
Horton, Joseph W., Cambridge, Mass., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronizing system. 1,808,923; June 9.
Horton, Joseph W., Cambridge, Mass., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 1,816,905; Aug. 4.
Horton Manufacturing Company, The. (See Breadwell, H. S., and Thorpe, assignors.)
Horton Manufacturing Company, The. (See Thorpe, Samuel T., assignor.)
Horton Manufacturing Company, The. (See Thorpe, S. T., and Zipp, assignors.)

Horton, Rae G., and G. Fraley, Fresno, Calif. Power attachment for saw swages. 1,824,349; Sept. 22.
Horton, Ralph D., Gregory, S. Dak. Mirror bracket. 1,828,804; Oct. 27.
Horton, William G., London, England. Apparatus for recording and indicating or displaying data or information. 1,795,171; Mar. 3.
Horton, William M., assignor to The Lamson & Sessions Company, Cleveland, Ohio. Bolt. 1,822,657; Sept. 8.
Horton, Winthrop S., New York, N. Y. Composite piston. 1,790,664; Feb. 3.
Hortvet, Richard M., assignor to Mahr Manufacturing Company, Minneapolis, Minn. Control device for flow of fluids. 1,822,578; Sept. 8.
Horvath, Anthony. (See Horvath, Gabriel, assignor.)
Horvath, Anthony G., Dayton, Ohio, assignor, by mesne assignments, to Uniflow Manufacturing Company, Erie, Pa. Water softening. 1,825,631; Sept. 29.
Horvath, Gabriel, assignor of one-half to A. Horvath, Wallingford, Conn. Scaffold. 1,787,863; Jan. 6.
Horvath, Sandor, Flushing, N. Y. Submarine vessel. 1,819,681; Aug. 18.
Horwath, Julius, assignor to Arvey Corporation, Chicago, Ill. Display stand and the like. Re18,153; Aug. 18.
Horwath, Julius, assignor to Arvey Corporation, Chicago, Ill. Display stand and the like. 1,803,851; May 5.
Horwath, Julius, assignor to Newman-Rudolph Lithographing Co., Chicago, Ill. Advertising novelty stand. 1,804,617; May 12.
Horwitt, Paul H., Springfield, Mass., assignor to The Menasha Products Company, Chicago, Ill. Napkin package. 1,794,380; Mar. 3.
Horwitz, Adele, Los Angeles, Calif. Elbow mitt. 1,796,869; Mar. 17.
Hosack, Francis A., New York, N. Y. Calculating machine. 1,823,859; Sept. 15.
Hosbein, Louis H., assignor to M. H. Detrick Company, Chicago, Ill. Hanger. 1,794,381; Mar. 3.
Hosbein, Louis H., assignor to M. H. Detrick Company, Chicago, Ill. Furnace construction. 1,807,408; May 26.
Hosbein, Louis H., Winnetka, assignor to M. H. Detrick Company, Chicago, Ill. Furnace wall construction. 1,818,802; Aug. 11.
Hosbein, Louis H., Winnetka, assignor to M. H. Detrick Company, Chicago, Ill. Furnace construction. 1,820,664; Aug. 25.
Hosceit, William J., assignor to Rodger Ballast Car Company, Chicago, Ill. Latch for dump car doors. 1,809,850; June 16.
Hosceit, William J., assignor to Rodger Ballast Car Company, Chicago, Ill. Hopper car construction. 1,813,928; July 14.
Hose, Henry G., Port Chester, N. Y. Toy. 1,833,421; Nov. 24.
Hosenfeld, Martin. (See Schmidt, H., Erlwein, and Hosenfeld.)
Hoshor, Perry W., Albuquerque, N. Mex. Dowel pin. 1,832,706; Nov. 17.
Hosier, Charles A. Toronto, Ontario, Canada. Skull for fur neckpieces. 1,824,996; Sept. 29.
Hosier, John H., Roanoke, Va. Cigarette dispenser. 1,808,658; June 2.
Hosig, Alexander, Blackhawk, Wis. Door fastener. 1,808,227; June 2.
Hoskin, Minard C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Shoe-pressing apparatus. 1,788,238; Jan. 6.
Hosking, John R. (See Feugill, W. A., and Hosking.)
Hosking, Oakley W., Monroe, N. Y. Sand treating apparatus. 1,824,350; Sept. 22.
Hosking, Richard T., Wilmette, assignor to H. R. Hough Company, Chicago, Ill. Bathing cap. 1,810,655; June 16.
Hosking, Richard T., Wilmette, assignor, by mesne assignments, to Shakeproof Lock Washer Company, Chicago, Ill. Self-locking fillister headset screw. 1,813,053; July 7.
Hosking, Richard T., Wilmette, Ill., assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Constructional toy. 1,828,045; Oct. 20.
Hoskinson, Louis L., Clinton, Iowa. Water motor. 1,800,530; Apr. 14.
Hosler, Arthur J. (See Loudenslager, Edgar L., assignor.)
Hosley, Loring F. (See du Pont, E. P., and Hosley.)
Hosmer, Chester C., Long Beach, Calif. Blow-out preventer for oil wells. 1,788,057; Jan. 6.
Hosmer, Fred E., Fort Worth, Tex. Recovering gasoline. 1,796,755; Mar. 17.
Hoss, Leroy K., Delray Beach, Fla. Tool handle. 1,835,302; Dec. 8.
Hoss, Wilhelm, Frankfort, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Electrical precipitating apparatus. 1,794,615; Mar. 3.
Hoss, Wilhelm, Frankfort, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for electrical precipitation. 1,794,616; Mar. 3.
Hossfeld, Albert, Winona, Minn. Die for bending angle bars. 1,832,210; Nov. 17.
Hostetter, Charles A., Ossian, Ind. Smoker's appliance. 1,801,428; Apr. 21.
Hotchkin, Paul M., Chicago, Ill. Cove and other lighting system. 1,817,034; Aug. 4.
Hotchkin, Paul M., assignor to Curtis Lighting, Inc., Chicago, Ill. Lighting fixture. 1,796,330; Mar. 17.
Hotchkiss, Averill D., McLane, Washington Township, Erie County, Pa. Railroad. 1,833,217; Nov. 24.
Hotchkiss, E. H., Company, The. (See Peterson, Roy E., assignor.)
Hotchner, Fred, Los Angeles, Calif. Electrode. 1,789,901; Jan. 20.
Hotchner, Fred, Los Angeles, Calif. Discharge tube display. 1,803,706; May 5.
Hotchner, Fred., Los Angeles, Calif. Changeable luminous display. 1,816,220; July 28.
Hotchner, Fred, Los Angeles, Calif. Discharge tube display. 1,818,918; Aug. 11.
Hotchner, Fred, Los Angeles, Calif. Discharge tube electrode. 1,820,392; Aug. 25.
Hotchner, Fred, Los Angeles, Calif. Flat tubeless ionization conductor device. 1,825,399; Sept. 29.
Hotchner, Fred, Los Angeles. Calif. Luminous display. 1,825,799; Oct. 6.
Hotchner, Fred, Los Angeles, and R. L. Slater, Sawtelle, assignor to John G. Kirkpatrick, Monterey Park, Calif. Electric sign. 1,791,241; Feb. 3.
Hotchner, Joseph, San Francisco, Calif. Neon lamp flasher. 1,812,340; June 30.
Hothersall, John M., Brooklyn, N. Y. Attaching lead spouts. 1,797,418; Mar. 24.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Wire-edged container and closure therefor. 1,795,489; Mar. 10.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Tobacco box. 1,797,419; Mar. 24.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Producing one-piece drawn containers. 1,800,531; Apr. 14.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Method of and machine for forming seams in can bodies. 1,801,504; Apr. 21.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container closure. 1,802,898; Apr. 28.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Making sheet metal containers. 1,803,616; May 5.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Compound lining machine. 1,811,433; June 23.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Apparatus for punching shapes from sheet metal. 1,816,150; July 28.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 1,818,135; Aug. 11.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container closure. 1,820,192; Aug. 25.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Making container closures. 1,821,157; Sept. 1.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 1,823,046; Sept. 15.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Method of and apparatus for beading of formed sheet metal articles. 1,823,047; Sept. 15.
Hotstream Heater Company, The. (See Morrow, Clarence H., assignor.)
Hott, Ion V. K., assignor of one-third to W. F. Bippers, and one-third to J. M. Switzer, Dayton, Ohio. Air motor. 1,810,176; June 16.
Hott, Ion V. K., assignor to The Joyce-Cridland Company, Dayton, Ohio. Electrically operated lifting jack. 1,811,629; June 23.
Hott, Ion V. K., assignor to The Joyce-Cridland Company, Dayton, Ohio. Lifting mechanism. 1,811,630; June 23.
Hottel, Hoyt C., Cambridge, Mass. Fluid press. 1,788,298; Jan. 6.
Hottel, Oliver W., et al. (See Albertson, Luther D., assignor.)
Hottel, Ray, assignor to Chrysler Corporation, Detroit, Mich. Seat. 1,835,048; Dec. 8.
Hottel, Ray, assignor to Chrysler Corporation, Detroit, Mich. Vehicle body. 1,835,049; Dec. 8.
Hotter, Oscar, Hochstadt, Germany. Construction of spring seats and mattresses. 1,815,510; July 21.
Hottmann, David G., Tolstoy, S. Dak. Trailer coupling. 1,812,240; June 30.
Hotz, Ernst. (See Wagner, H., Kissling, Hotz, and Fitzky.)
Hotze, John K., St. Louis, Mo. Bowler's ball and shoe bag. 1,821,806; Sept. 1.
Houck, Harry W. (See Aull, W., jr., and Houck.)
Houck, Harry W., assignor to Dubilier Condenser Corporation, New York, N. Y. Electron-tube apparatus. 1,797,205; Mar. 17.
Houck, Harry W., assignor to Dubilier Condenser Corporation, New York, N. Y. Condenser testing equipment. 1,823,492; Sept. 15.
Houck, Harry W., Mount Vernon, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical filter. 1,824,819; Sept. 29.

Houck, Harry W., West Orange, N. J., assignor to Dubilier Condenser Corporation, New York, N. Y. Rectifier. 1,829,897; Nov. 3.
Houck, Harry W., assignor to Dubilier Condenser Corporation, New York, N. Y. Filter system. 1,833,867; Nov. 24.
Houck, Joseph C., Los Angeles, Calif. Advertising device. 1,810,606; June 16.
Houdaille, Maurice, Levallois-Perret, France. Suspension for vehicles. 1,794,294; Feb. 24.
Houde Engineering Corporation. (See Casper, Anthony B., assignor.)
Houde Engineering Corporation. (See Peo, Ralph F., assignor.)
Houde, Victor F., Winnipeg, Manitoba, assignor of one-half to F. R. La Fleche, Headingly, Manitoba, Canada. Insulator. 1,829,354; Oct. 27.
Houdry, Eugène, assignor to Compagnie Internationale Pour La Fabrication Des Essences Et Petroles, Paris, France. Manufacture of liquid fuels. 1,837,963; Dec. 22.
Hough, Arthur, Passaic, N. J. Explosive. 1,822,290; Sept. 8.
Hough, Arthur, Passaic, N. J. Concentrating and bleaching sulphuric acid. 1,836,849; Dec. 15.
Hough, Clifton W., Boonville, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Electrical switching system. 1,813,929; July 14.
Hough, Clinton W., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Wired radio program apparatus. 1,805,665; May 19.
Hough, Eugene L., St. Louis, Mo., assignor to General Electric Company. Method of and apparatus for starting alternating current motors. 1,820,803; Aug. 25.
Hough, Eugene L., Richmond Heights, Mo., assignor to General Electric Company. Automatic control equipment. 1,831,563; Nov. 10.
Hough, H. R., Company. (See Hosking, Richard T., assignor.)
Hough, Otto V., assignor to Woods Brothers Construction Company, Lincoln, Nebr. River bed protective construction. 1,834,060; Dec. 1.
Hough Shade Corporation. (See Steffen, Leroy J., assignor.)
Houghtaling, Levi D., Reading, Pa. Silo stave. 1,834,842; Dec. 1.
Houghton-Butcher Manufacturing Company Limited, The. (See Denniss, A. J., and Edwards, assignors.)
Houghton, E. F., & Company. (See Carpenter, Charles E., assignor.)
Houghton, E. F., and Company. (See Leaper, Joseph M., assignor.)
Houghton, E. F., and Company. (See Quimby, Charles W., assignor.)
Houghton, E. F., and Company. (See Schmidt, John G., assignor.)
Houghton, Harry W., Glen Echo, Md., assignor to Safety Fumigant Company, Boston, Mass. Fumigant solution. 1,790,095; Jan. 27.
Houghton, Harry W., Glen Echo, Md., assignor to Safety Fumigant Company, Boston, Mass. Fumigant material and fumigation. 1,818,136; Aug. 11.
Houghton, Vernon T., Bronxville, N. Y., assignor to Lektophone Corporation, Jersey City, N. J. Acoustic diaphragm. Des. 85,825; Dec. 22.
Houghton, Vernon T., Bronxville, N. Y., assignor to Lektophone Corporation, Jersey City, N. J. Acoustic diaphragm. 1,829,355; Oct. 27.
Houle, Henry. (See Wright, A. F., and Houle.)
Hourigan, Joseph, New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Core removing device. 1,814,928; July 14.
House, Herman, Vancouver, British Columbia, Canada. Gate construction. 1,790,304; Jan. 27.
House, Le Roy B. (See Smith, Pleasant E., assignor.)
House, Samuel G., and R. C. Snell, assignors, by mesne assignments, to American Refrigerator Car Company, Miami, Fla. Automatic control for refrigerators. 1,828,566; Oct. 20.
Housekeeper, Jacob C. (See Geyer, H. D., Flower, and Housekeeper.)
Houseman, Harold E., Edge Moor, assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Pattern mechanism for circular knitting machines. 1,805,697; May 19.
Houseman, Harold E., Edge Moor, assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Knitting plated fabric. 1,811,849; June 30.
Houseman, Harold E., Edge Moor, assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Plated knitted fabric. 1,816,221; July 28.
Houseman, Martin L., Hollywood, assignor of one-half to J. Goben, Los Angeles, Calif. Roof construction. 1,825,800; Oct. 6.
Houseman, Wilbur L., Somerton, Pa., assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Knitted fabric and making the same. 1,805,624; May 19.
Houseman, Wilbur L., Somerton, Pa., assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Knitting mechanism. 1,805,625; May 19.
Houseman, Wilbur L., Somerton, Pa., assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Knitted fabric and making same. 1,820,975; Sept. 1.
Houseman, Wilbur L., Somerton, Pa., assignor to Standard Trump Bros. Machine Company, Wilmington, Del. Knitting process. 1,838,994; Dec. 29.
Houser, Arthur M., Oak Park, assignor to Crane Co., Chicago, Ill. Antifriction carriage for valve disks. 1,801,960; Apr. 21.
Houser, Edward, assignor to The Moore Company, Muncie, Ind. Forming machine. 1,794,691; Mar. 3.
Houser, John W. (See Blum, Karl E., assignor.)
Housley, John, Elizabeth, N. J. Spectacle protector. 1,806,464; May 19.
Housman, George S., Norristown, assignor to E. J. Lavino and Company, Philadelphia, Pa. Apparatus for and method of making bricks. 1,810,078; June 16.
Housman, George S., Norristown, assignor to E. J. Lavino and Company, Philadelphia, Pa. Refractory material and making the same. 1,814,088; July 14.
Housman, George S., Norristown, assignor to E. J. Lavino and Company, Philadelphia, Pa. Apparatus for molding bricks. 1,814,159; July 14.
Houst, Franz, Plzen, Czechoslovakia. High voltage oil switch. 1,833,678; Nov. 24.
Houston, George F., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,801,429; Apr. 21.
Houston, Herbert W., Los Angeles, Calif. Variable stroke cam engine. 1,810,017; June 16.
Houston, John D., Prineville, Oreg. Utilizing the heat of an elastic fluid. 1,788,673; Jan. 13.
Houston, Lloyd. (See Davis, T. S., and Houston.)
Houston, William, Haverhill, Mass. Pie plate attachment. 1,834,402; Dec. 1.
Houzenga, George, Phoenix, Ariz. Indoor table golf course. 1,820,618; Aug. 25.
Hover, Charles F., Conrad, Mont. Pitman connection. 1,797,087; Mar. 17.
Hover, Monte E., Venice Calif., assignor of forty-eight per cent to Arthur Croxford, Salt Lake City, Utah. Signaling device for vehicles. 1,818,624; Aug. 11.
Hovermale, James E. (See Statler, L. W., and Hovermale.)
Hovermale, James E., San Quentin, Calif. Beet harvester. 1,805,582; May 19.
Hovey, Charles E., assignor to Hovey Washer Company, Oakland, Calif. Washing machine. 1,831,914; Nov. 17.
Hovey, Lee W., Chicago, Ill. Bulletin frame. 1,790,235; Jan. 27.
Hovey Washer Company. (See Hovey, Charles E., assignor.)
Hovland, Henry, Williston Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,799,796; Apr. 7.
Hovland, Henry, Williston Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,809,039; June 9.
Hovland, Henry, Williston Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,809,124; June 9.
Hovland, Henry, Williston Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,823,688; Sept. 15.
Hovland, Ole C., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Automatic telephone system. 1,811,753; June 23.
Hovnan, William, Bellaire, N. Y. Combination cigarette case and lighter. 1,821,753; Sept. 1.
Hovsepian, Alfred A., Del Rey, Calif. Prime mover. 1,809,203; June 9.
How, Harlan W., assignor to Struthers-Wells Company, Warren, Pa. Heat exchanger. 1,790,151; Jan. 27.
How, Harlan W., assignor to Struthers Wells-Titusville Corporation, Warren, Pa. Gas and liquid separator. 1,797,232; Mar. 24.
How, Harlan W., assignor to Struthers-Wells Titusville Corporation, Warren, Pa. Baffle packing for heat exchangers. 1,822,698; Sept. 8.
How, Harlan W., assignor to Sturthers Wells-Titusville Corporation, Warren, Pa. Evaporator. 1,837,964; Dec. 22.
Howaldt, Fritz, the firm. (See Schröder, Walther, assignor.)
Howard, Albert L., Brockton, Mass. Piping strip or similar article. Des. 83,483; Feb. 24.
Howard, Albert L., Brockton, Mass. Piping strip or similar article. Des. 85,525; Nov. 10.
Howard, Albert L., assignor to Hamilton-Wade Company, Brockton, Mass. Welting and making the same. 1,787,864; Jan. 6.
Howard, Albert L., assignor to Hamilton-Wade Company, Brockton, Mass. Retaining device for pumps, slippers, and the like. 1,794,959; Mar. 3.
Howard, Albert L., assignor to Hamilton-Wade Company, Brockton, Mass. Bumper boot. 1,804,218; May 5.
Howard, Albert L., assignor to Hamilton-Wade Company, Brockton, Mass. Beaded welt. 1,809,555; June 9.
Howard, Albert L., asignor to Hamilton-Wade Company, Brockton, Mass. Lubricating welt and system of using the same. 1,824,997; Sept. 29.
Howard, Albert L., assignor to Hamilton-Wade Company, Brockton, Mass. Decorative piping. 1,837,775; Dec. 22.
Howard, Alfred H. (See Clark, Albert B., assignor.)
Howard, Arthur C., Northmead, New South Wales, Australia. Cane harvesting apparatus. 1,808,113; June 2.
Howard, Bloomfield H., Washington, D. C. Radiator footrest. 1,799,558; Apr. 7.

Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,800,073; Apr. 7.
Howard, Bryan, Austin, Tex. Blotting pad. 1,826,546; Oct. 6.
Howard, Burton J., Washington, D. C., dedicated by assignment, to the free use of the Government and the public. Ruling apparatus. 1,832,124; Nov. 17.
Howard, Charles C., Louisville, Ky. Folding mechanism. 1,837,661; Dec. 22.
Howard, Charles L., Chicago, Ill. Car ventilator. 1,792,840: Feb. 17.
Howard, Charles R., Walpole, Mass. Bookbinding. 1,798,842: Mar. 31.
Howard, Clifton P., Worcester, Mass., assignor to Rockwood Sprinkler Company of Massachusetts. Water motor. 1,819,098; Aug. 18.
Howard Development Company. (See Howard, Merton W., assignor.)
Howard, Ezra E., Concrete, Wash. Dust shield for cement packers. 1,818,481; Aug. 11.
Howard, Frank A. (See King, G., and Howard.)
Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Aircraft. 1,796,789; Mar. 17.
Howard, Frank A., Elizabeth, and N. E. Loomis, Westfield, N. J., assignors to Standard Oil Development Company. Resolution of hydrocarbon vapors. 1,797,145; Mar. 17.
Howard, Frank A., Elizabeth, and N. E. Loomis, Westfield, N. J., assignors to Standard Oil Development Company. Recovering gasoline from gas. 1,806,571; May 19.
Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Aircraft. 1,832,396; Nov. 17.
Howard, Frank E., Hartford, Conn., assignor to James L. Howard & Co. Keeper for sliding-door locks. 1,796,025; Mar. 10.
Howard, Frank H., Reading, assignor to The Push Button Electric Control Corporation, Reading, Pa. Motor control. 1,828,113; Oct. 20.
Howard, George E. (See Carrie, J., and Howard.)
Howard, George E., Butler, Pa. Transmission mechanism. 1,817,080; Aug. 4.
Howard, George E., Butler, Pa., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of feeding molten glass. 1,796,929; Mar. 17.
Howard, George E., Butler, Pa., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass-gathering apparatus and method. 1,797,206; Mar. 17.
Howard, George E., Butler, Pa., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Method and apparatus for feeding molten glass. 1,813,742; July 7.
Howard, George E., Butler, Pa., assignor to Hartford-Empire Company. Method and apparatus for drawing glass in cylindrical form. 1,823,543; Sept. 15.
Howard, Guy C., Wausau, Wis., assignor to Guy C. Howard Company, Seattle, Wash. Treating waste sulphite liquor. Re18,268; Dec. 1.
Howard, Guy C., Company. (See Howard, Guy C.)
Howard, Harold A., Surbiton, assignor to Sorbo Rubber Sponge Products Limited, Woking, England. Seat, bedding, cushion, and upholstery. 1,795,304; Mar. 10.
Howard, Harold W., assignor to Neon Process, Incorporated, Cleveland, Ohio. Luminous tube. 1,809,447; June 9.
Howard, Henry, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Hydrometer for liquids. 1,800,532; Apr. 14.
Howard, Henry C., Darlington, Wis. Sawing apparatus. 1,797,088: Mar. 17.
Howard, Henry J. M. Washington, D. C. Coupler. 1,801,157; Apr. 14.
Howard Hosiery Company. (See Tait, William and F., jr., and Scott, assignors.)
Howard, James H., assignor to J. H. McEvoy & Company, Houston, Tex. Retractable tubing. 1,838,401; Dec. 29.
Howard, James L., & Company. (See Doyle, Joseph B., assignor.)
Howard, James L., & Co. (See Howard, Frank E., assignor.)
Howard, John L., Columbus, Ohio. Heater. 1,813,449; July 7.
Howard, Merton W., assignor to Howard Delevopment Company. Lynn, Mass. Needle loader for sewing machines. 1,804,618; May 12.
Howard, Merton W., assignor to Howard Development Company, Lynn, Mass. Method and machine for trimming top lifts. 1,826,935; Oct. 13.
Howard, Merton W., assignor to Howard Development Company, Lynn, Mass. Edge setting machine. 1,829,800; Nov. 3.
Howard, Milton R., et al. (See Bounds, Orville T., assignor.)
Howard Radio Company. (See Crossley, A., and Hansen, assignors.)
Howard, Russell S., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Producing carbon granules. 1,828,046; Oct. 20.
Howard, Stanley R., East Milton, and A. C. Everett, Boston, assignors to Pneumatic Scale Corporation, Limited, Quincy, Mass. Carton-forming machine. 1,791,963; Feb. 10.
Howard, Stanley R., East Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Printing press. 1,829,004; Oct. 27.
Howard, Thomas C., Brookline, Mass. Acoustic wall or ceiling structure. 1,803,390; May 5.
Howard, William R., Washington, D. C., assignor to Universal Oil Products Company, Chicago, Ill. Converting petroleum oil. 1,791,622; Feb. 10.
Howard, William R., Washington, D. C., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for converting petroleum oil. 1,806,060; May 19.
Howard, William S., assignor to Collection Equipment Corporation, New York, N. Y. Self-loading vehicle. 1,833,872; Nov. 24.
Howards & Sons Limited. (See Blagden, John W., assignor.)
Howarth, Arnold L., South Benfleet, England. Sea boot. 1,837,965; Dec. 22.
Howarth, Harry, Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Feeler to stop loom. 1,803,188; Apr. 28.
Howarth, Harry A. S., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Air-seal device. 1,798,204; Mar. 31.
Howarth, Harry A. S., Frankford, assignor to Kingsbury Machine Works, Inc., Frankford, Philadelphia, Pa. Bearing. 1,806,062; May 19.
Howcott, Harley A. W., New Orleans, La. Sectional barrel for fluids. 1,802,716; Apr. 28.
Howcott, Harley A. W., New Orleans, La. Ironing machine. 1,811,793; June 23.
Howcott, Harley A. W., Baton Rouge, La. Pumping apparatus. 1,818,851; Aug. 11.
Howden, Bruce E. (See Bencker, R. B., and Howden.)
Howe, Alfred F., Oakland, Calif., assignor, by mesne assignments, to The Borden Company, Warren, Ohio. Diestock. 1,802,209; Apr. 21.
Howe, Alfred H., New York, N. Y. Towel rack. 1,801,158; Apr. 14.
Howe, Arthur. (See Schilling, G., and Howe.)
Howe, Arthur J. (See Richardson, C. M., and Howe.)
Howe Folding Furniture, Inc. (See Howe, Harold, assignor.)
Howe, Charles S., assignor to Los Angeles Testing Laboratory, Los Angeles, Calif. Protective hood for oil and gas wells. 1,830,061; Nov. 3.
Howe, Frank D., Cuyahogo Falls, Ohio. Furnace. 1,804,988; May 12.
Howe, Frank M., New York, N. Y. Dental appliance. 1,832,303; Nov. 17.
Howe, Harold, assignor to Howe Folding Furniture, Inc., New York, N. Y. Folding device for tables and the like. 1,808,305; June 2.
Howe, James F., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Cable cutting mechanism. 1823,103; Sept. 15.
Howe, Joseph. (See O'Reilly, D., and Howe.)
Howe, Leon S., New Britain, Conn., assignor to The Stanley Works. Ornamenting strip metal. 1,789,273; Jan. 13.
Howe, Leon S., assignor to The Stanley Works, New Britain, Conn. Tool for cutting box strapping and the like. 1,812,484; June 30.
Howe, Oliver J., Brockton, Mass., assignor to D. C. Rebhun, Cincinnati, Ohio. Stocking tree. 1,817,411; Aug. 4.
Howe, Samuel P., Pine Valley, Clementon, N. J. Automobile clutch. 1,795,776; Mar. 10.
Howe, Samuel P., Pine Valley, Clementon, N. J. Woven fabric containing lead. 1,798,605; Mar. 31.
Howe, Thomas. (See Peteler, Adolph, assignor.)
Howe, Wm. A., Company, The. (See Reutener, Edgar W., assignor.)
Howe, William C., Chicago, Ill., assignor to The Alden Speare's Sons Co., Boston, Mass. Detergent. 1,813,701; July 7.
Howe, William G., Des Moines, assignor to The Simplex Manufacturing Company, Sioux City, Iowa. Vacuum horn construction for tail-bleeding machines. 1,823,544; Sept. 15.
Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic train control system. 1,789,274; Jan. 13.
Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Switch machine. 1,789,275; Jan. 13.
Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Adjusting means for colored-light signals. 1,794,617; Mar. 3.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Alternating-current relay motor. 1,794,618; Mar. 3.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Car-retarder system. 1,794,619; Mar. 3.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Switch machine. 1,794,620; Mar. 3.

Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Switch machine for railroads. 1,794,621; Mar. 3.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Railway track circuits. 1,798,674; Mar. 31.
Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic train stop. 1,824,143; Sept. 22.
Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic speed control of vehicles. 1,824,144; Sept. 22.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,824,145; Sept. 22.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,824,146; Sept. 22.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 1,824,147; Sept. 22.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,824,148; Sept. 22.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,824,149; Sept. 22.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Brake for railroad switch machines. 1,824,150; Sept. 22.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,824,151; Sept. 22.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Switch machine for railroads. 1,824,152; Sept. 22.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. View finder. 1,795,490; Mar. 10.
Howell, Albert S., assignor to The Bell & Howell, Company, Chicago, Ill. Photographic printing machine. 1,805,768; May 19.
Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Photographic camera. 1,818,062; Aug. 11.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Winding means for spring motors. 1,831,070; Nov. 10.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Motion picture projecting machine and the like. 1,834,707; Dec. 1.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Intermittent feed mechanism. 1,834,948; Dec. 8.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Motion picture camera and the like. 1,835,493; Dec. 8.
Howell, Arthur B., New York, N. Y. Image and making same. 1,801,200; Apr. 14.
Howell, Arthur B., assignor to Dryice Equipment Corporation, New York, N. Y. Treatment and preservation of cut plants. 1,825,065; Sept. 29.
Howell, Arthur E., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,794,770; Mar. 3.
Howell, Edward T. (See Gubelmann, I., Goodrich, and Howell.)
Howell, Edward T., South Milwaukee, Wis., assignor, by mesne assigments, to E. I. du Pont de Nemours & Company. Halogenation products of 4'-amino ortho benzoyl benzoic acid and making same. 1,832,211; Nov. 17.
Howell Electric Motors Company. (See Yost, Norman S., assignor.)
Howell, Harry, Cleveland, Ohio. Copper coil water heater construction. 1,827,581; Oct. 13.
Howell, James W., assignor to The White Motor Company, Cleveland, Ohio. Mandrel. 1,810,275; June 16.
Howells, Lloyd T. (See Guernsey, F. H., and Howells.)
Howenstein, George H., Detroit, Mich. Sash guide. 1,838,402; Dec. 29.
Howes, Douglas E., Northfield, Vt., assignor to Westinghouse Electric & Manufacturing Company. Cathode ray oscillograph. 1,810,018; June 16.
Howes, Leonard R., Akron, Ohio, assignor, by mesne assignments, to Miller Rubber Company, Inc., Wilmington, Del. Making ornamental rubber balls. 1,806,688; May 26.
Howey, Walter, New York, N. Y. Cylindrical scanning. 1,815,105; July 21.
Howie, Andrew, and J. M. Henry, Glasgow, Scotland. Device for withdrawing liquids from metallic drums, tins, and the like. 1,795,430; Mar. 10.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Full fashioned knitting machine. 1,813,163; July 7.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Reversible plating yarn feed for circular knitting machines. 1,837,712; Dec. 22.
Howk, Sylvester F., San Antonio, Tex. Adjustable electric receptacle. 1,812,956; July 7.
Howland, Carroid D., Plymouth, Mass. Box. 1,821,307; Sept. 1.
Howland, Harry E., assignor to Ithaca Gun Company, Ithaca, N. Y. Single trigger mechanism for double barreled guns. 1,818,852; Aug. 11.
Howland, Levi S., Oakland, Calif. Apparatus for and method of launching, landing, and mooring dirigibles. 1,818,137; Aug. 11.
Howland, Levi S., Oakland, Calif. Dirigible coupling means. 1,818,138; Aug. 11.
Howland, Levi S., Oakland, Calif. Dirigible construction. 1,821,158; Sept. 1.
Howland, Louis H., Passaic, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of rubber. 1,833,021; Nov. 24.
Howland, Louis H., Passaic, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of rubber. 1,835,050; Dec. 8.
Howles, Fred, Broughton Park, Manchester, assignor to Royles Limited, Irlam, England. Delivering gases at measured rates. 1,808,412; June 2.
Howlett, Clarence W., and R. Mitchell, Kokomo, Ind. Cushion strip. 1,799,904; Apr. 7.
Howlett, Frank H., Oakland, assignor to F. Wolfsohn, San Francisco, Calif. Planer. 1,805,546; May 19.
Howlett, Grayle W., Toledo, Ohio, assignor of one-half to R. M. Corl, Maumee, Ohio. Treatment of aliphatic hydrocarbons. 1,826,787; Oct. 13.
Howsam, Hilyard C., and A. Hlavac, Chicago, assignors to E. J. Hubbard, Berwyn, Ill. Reenforcement applying apparatus. 1,816,151; July 28.
Howse, Curtis L. (See Snow, N. L., Bowers, and Howse.)
Howser Valve Tool Manufacturing Company. (See Howser, Walter M., assignor.)
Howser, Walter M., assignor to Howser Valve Tool Manufacturing Company, La Porte, Ind. Valve tool. 1,790,378; Jan. 27.
Howson, Charles T., assignor, by mesne assignments, to Huntley Manufacturing Co., Silver Creek, N. Y. Gas mixing device. 1,802,019; Apr. 21.
Hoxie, Charles A., Alplaus, N. Y., assignor to General Electric Company. Sound recording apparatus. 1,807,409; May 26.
Hoxie, Frederick J., Phenix, R. I., and A. M. Tenney, New Rochelle, assignors of one-half to Wellington, Sears & Company, New York, N. Y., and one-half to Warwick Mills, West Warwick, R. I. Increasing the tensile strength of yarns. 1,811,395; June 23.
Hoy, Austin Y., London, England, assignor to Sullivan Machinery Company. Mechanical loader particularly for use in mines. 1,796,459; Mar. 17.
Hoy, Harry L., Chicago, Ill. Change-speed-gear transmission. 1,791,502; Feb. 10.
Hoy, John E. (See Best, N. A., and Hoy.)
Hoy, John E., assignor to The Dow Chemical Company, Midland, Mich. Casting magnesium and alloys thereof. 1,802,946; Apr. 28.
Hoy, John F., Norristown, assignor, by mesne assignments, to Autokraft Box Corporation, York, Pa. Box slitting machine. 1,819,817; Aug. 18.
Hoy, Lyman L., Tillamook, Oreg. Artificial limb. 1,818,893; Aug. 11.
Hoye, Peder B., Maywood, assignor to Electrical Engineers Equipment Co., Melrose Park, Ill. Disconnecting switch. 1,819,779; Aug. 18.
Hoye, Stephen M., Brooklyn, N. Y. Treating holly leaves and the leaves of like plants and products derived therefrom. 1,830,275; Nov. 3.
Hoye, William J. (See Twiss, Frank E., assignor.)
Hoyos, Ernesto J., West Roxbury, Mass., assignor to R. T. Romine, Mount Clemens, Mich. Portable platform. 1,794,113; Feb. 24.
Hoyt, Aaron, assignor of one-half to S. L. Worthen, Haverhill, Mass. Tanning hides and skins. 1,824,549; Sept. 22.
Hoyt, Clarence N., Belding, Mich. Aeroplane brake. 1,789,653; Jan. 20.
Hoyt, Frederick A., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone set mounting. 1,809,125; June 9.
Hoyt, John T. (See Sweetland, E. J., Zenthoefer, and Hoyt.)
Hoyt, John T. Hazleton, Pa., assignor, by mesne assignments, to Oliver United Filters Inc., San Francisco, Calif. Fluid pressure discharge for continuous filters. 1,804,934; May 12.
Hoyt, Lester F., East Aurora, assignor to Larkin Company, Inc., Buffalo, N. Y. Soap. 1,833,899; Dec. 1.
Hoyt, Lester F., East Aurora, assignor to Larkin Co., Inc., Buffalo, N. Y. Making soap. 1,833,900; Dec. 1.
Hoyt, Milton A., East Orange, N. J., assignor to Westinghouse Lamp Company. Coil-forming die. 1,795,777; Mar. 10.
Hoyt, Ray S., River Edge, N. J., assignor to American Telephone and Telegraph Company. Directionally-selective radio receiving system. 1,795,397; Mar. 10.
Hoyt, Ray S., River Edge, N. J., assignor to American Telephone and Telegraph Company. Shunt type impedance equalizer for any smooth line. 1,815,254; July 21.
Hoyt, Ray S., River Edge, N. J., assignor to American Telephone and Telegraph Company. Impedance equalizer for any smooth line. 1,815,255; July 21.
Hoyt, Ray S., River Edge, N. J., assignor to American Telephone and Telegraph Company. Series type impedance equalizer for any smooth line. 1,815,256; July 21.
Hoyt, Samuel L., Schenectady, N. Y., assignor to General Electric Company. Making hard-metal compositions. 1,794,229; Feb. 24.

Hoyt, Samuel L., Schenectady, N. Y., assignor to General Electric Company. Hard metal composition. 1,803,189; Apr. 28.
Hoyt, Seneca G., Franklin, N. H. Drain pan. 1,802,426; Apr. 28.
Hozack, James, Belleville, N. J., assignor to Essex Engine & Machine Corporation. Back-filling machine. 1,808,139; June 2.
Hribar, Martin, Forest Hills, N. Y. Drain cleaner. 1,804,874; May 12.
Hrissulakis, Nikolaos P., Chicago, Ill. Smoker's outfit. 1,814,929; July 14.
Hrnesjar, Joseph, Homewood, Ill. Combination wood sawing machine. 1,813,293; July 7.
Hrubes, Vitus, Britton, S. Dak. Roller skate. 1,801,201; Apr. 14.
Hubbard, Albert S., Bethel, Conn., assignor, by mesne assignments, to Gould Storage Battery Corporation, Depew, N. Y. Battery plate. 1,791,208; Feb. 3.
Hubbard, Albert S., Bethel, Conn., assignor, by mesne assignments, to Gould Storage Battery Corporation, Depew, N. Y. Current converting system. 1,822,811; Sept. 8.
Hubbard, Arthur S., Quincy, assignor, by mesne assignments, to The Turner Tanning Machinery Company, Peabody, Mass. Manufacture of patent leather. 1,789,550; Jan. 20.
Hubbard & Company. (See Kerschner, Richard M., assignor.)
Hubbard & Company. (See Manson, Ralph H., assignor.)
Hubbard & Company. (See Peirce, Charles L., jr., assignor.)
Hubbard & Company. (See Pforsich, Harry M., assignor.)
Hubbard & Co. (See Pounder, Wilbur R., assignor.)
Hubbard, Eber J. (See Hlavac, Anthony, assignor.)
Hubbard, Eber J. (See Howsam, H. C., and Hlavac, assignors.)
Hubbard, Frank A. (See Gabriel, J. C., and Hubbard.)
Hubbard, Frank H., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Supporting elements for electrical devices. 1,807,410; May 26.
Hubbard, G. E., et al. (See Harston, Dan, assignor.)
Hubbard, Henry E. (See Duncan, J. S., and Hubbard.)
Hubbard, Henry E. (See Gollwitzer, W. T., and Hubbard.)
Hubbard, Henry E., assignor, by mesne assignments, to Addressograph Company, Chicago, Ill. Printing device. 1,790,665; Feb. 3.
Hubbard, Henry E., assignor, by mesne assignments, to Addressograph Company, Chicago, Ill. Printing device. 1,822,291; Sept. 8.
Hubbard, Henry E., Chicago, and C. C. McCain, Glen Ellyn, Ill., assignors to Addressograph Company, Wilmington, Del. Printing machine. 1,796,524; Mar. 17.
Hubbard, James W., assignor to The Mechanical Manufacturing Company, Chicago, Ill. Lard filling machine. 1,804,772; May 12.
Hubbard, Norman, Elizabeth, N. J. Belt controller. 1,823,493; Sept. 15.
Hubbard, Norman, Elizabeth, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Hose connection. 1,819,243; Aug. 18.
Hubbard, Norman, Elizabeth, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat exchange device. 1,831,533; Nov. 10.
Hubbard, Robert L., Los Angeles, Calif. Shoe-forming machine. 1,791,059; Feb. 3.
Hubbard, Rowland, assignor to The J. G. Brill Company, Philadelphia, Pa. Truck spring suspension. 1,831,710; Nov. 10.
Hubbard, William, Dolgeville, N. Y. Slipper. 1,800,021; Apr. 7.
Hubbard, William, Dolgeville, N. Y. Making slippers. 1,800,022; Apr. 7.
Hubbard, William H., Muncie, Ind. Mating spur gear. 1,828,114; Oct. 20.
Hubbel, Jacob, Toledo, Ohio. Universal joint. 1,838,310; Dec. 29.
Hubbell, Alfred W., Bartlesville, Okla., assignor, by mesne assignments, to Clark Brothers Company, Olean, N. Y. Internal combustion engine. 1,830,321; Nov. 3.
Hubbell, Clarence W., Naugatuck, Conn., assignor to Revere Rubber Company, Providence, R. I. Sandal. Des. 82,990; Jan. 6.
Hubbell, Harvey, Incorporated. (See Avery, Charles E., assignor.)
Hubbell, Harvey, Incorporated. (See Hubbell, Harvey, jr., assignor.)
Hubbell, Harvey, jr., Bridgeport, Conn. Portable night light. 1,797,420; Mar. 24.
Hubbell, Harvey, jr., Bridgeport, Conn. Auxiliary brake operating mechanism. 1,804,773; May 12.
Hubbell, Harvey, jr., Bridgeport, Conn. Angle cord grip cap. 1,817,004; Aug. 4.
Hubbell, Harvey, jr., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Device for rolling screw threads. 1,820,193; Aug. 25.
Hubbell, Harvey, jr., Bridgeport, Conn. Adjustable candle socket mounting. 1,824,955; Sept. 29.
Hubbell, Harvey, jr., Bridgeport, Conn. Electric receptacle. 1,824,956; Sept. 29.
Hubbell, Jesse P., Fanwood, N. J. Producing hydrocyanic acid gas and cyanogen compounds. 1,835,052; Dec. 8.
Hubbell, Leroy S., San Francisco, Calif. Receiving, amplifying, and detecting oscillatory energy. 1,836,323; Dec. 15.
Hubbell, Minott P., Ashburnham, Mass. Lathe chuck. 1,814,699; July 14.
Hubbell, Ray D. (See Drake, A. M., and Hubbell.)
Hubbert, Robert, Detroit, Mich. Door. 1,799,423; Apr. 7.
Hubbs, Frederick E., Denver, Colo., assignor to International Motor Company, New York, N. Y. Power unit. 1,833,050; Nov. 24.
Hubby, Harry W., Waco, Tex. Nutcracker. 1,813,353; July 7.
Huber, Ernst, Zug, Switzerland, assignor to Landis & Gyr, A-G. Electric motor. 1,794,459; Mar. 3.
Huber, Eugen, Leverkusen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Etherifying cellulose. 1,805,365; May 12.
Huber, Frederick G., West Brighton, N. Y., assignor to Eberhard Faber Pencil Co. Display receptacle. 1,823,324; Sept. 15.
Huber, Frederick W., Riverside, Calif. Measuring temperature in boreholes. 1,818,221; Aug. 11.
Huber, Fritz, Mannheim, assignor to Heinrich Lanz Aktiengesellschaft, Mannheim, Germany. Sparking device. 1,820,858; Aug. 25.
Huber, Fritz, Mannheim, assignor to Heinrich Lanz Aktiengesellschaft, Mannheim, Baden, Germany. Oil engine. 1,826,788; Oct. 13.
Huber, Hans, Zurich, Switzerland. Counting mechanism for calculating machines and the like. 1,808,720; June 2.
Huber, Herman J. (See Larzelere, C. B., and Huber.)
Huber, Herman J. H., Upper Darby, Pa., assignor to General Electric Company. Electric switching station. 1,796,993; Mar. 17.
Huber, Herman J. H., Upper Darby, Pa., assignor to General Electric Company. Contact structure. 1,814,807; July 14.
Huber, John, St. Louis, and M. Rosentreter, University City, assignors to Jacob Rubin, St. Louis, Mo. Window awning. 1,801,351; Apr. 21.
Huber, John F. (See Hatfield, Harold C., assignor.)
Huber Manufacturing Company, The. (See Deardorf, Lee M., assignor.)
Huber, Marie W., Seattle, Wash. Combination laundry tray and washboard. 1,814,698; July 14.
Huber, Otto, Astoria, assignor to Eagle Pencil Company, New York, N. Y. Pencil. 1,800,201; Apr. 14.
Hubert, Maryan J., Easthampton, Mass. Baking pan. 1,817,690; Aug. 4.
Huberti, Victor, Berlin, Germany. Re-floating of stranded ships. 1,809,482; June 9.
Hübl, Franz, Warnsdorf, Czechoslovakia. Process of and arrangement for performing mechanical work. 1,820,619; Aug. 25.
Hubler, Raymond H. (See Thompson, E. J., and Hubler.)
Hubley Manufacturing Company, The. (See Brubaker, Jacob E., assignor.)
Hubmann, Otto, Frankfort-on-the-Main, and F. Voerkel, Hochst-on-the-Main, Germany. Apparatus for operating shaft furnaces in the thermal treatment of granular material. 1,824,483; Sept. 22.
Hubner, Hugo, Mosbach, Germany. Automatic fuel mixture regulator. 1,825,187; Sept. 29.
Hübner, Otto, Berlin-Charlottenburg, assignor to the Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Journal bearing for railway-car axles. 1,792,305; Feb. 10.
Hübner, Otto, Berlin, assignor to the Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Journal bearing for railway car axles. 1,831,449; Nov. 10.
Hübner, Otto, Berlin-Charlottenburg, Germany. Journal bearing for rail vehicles. 1,838,551; Dec. 29.
Hubron Company, The. (See Brown, Hugh S., assignor.)
Hübschmann, Max. (See Bauersfeld, W., and Hübschmann.)
Huby, Ernest, Providence, R. I. Muffler. 1,835,053; Dec. 8.
Huc, Marcel R., Toulouse, France. Moving picture recording and projection apparatus. 1,808,603; June 2.
Huck Axle Corporation. (See Huck, Louis C., assignor.)
Huck, Louis C., Pleasant Ridge, Mich. Brake. 1,816,256; July 28.
Huck, Louis C., New York, N. Y., assignor to Huck Axle Corporation, Chicago, Ill. Brake for automotive vehicles. 1,787,527; Jan. 6.
Huck, William F., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing presses. 1,799,466; Apr. 7.
Huckel John F., Kansas City, Mo. Display rack. 1,827,008; Oct. 13.
Hucknall, Hage W., Elyria, Ohio, assignor to The American Lace Manufacturing Company, Lorain County, Ohio. Lace. Des. 83,969; Apr. 21.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 83,970; Apr. 21.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 83,971; Apr. 21.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 83,972; Apr. 21.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 83,973; Apr. 21.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 84,079; May 5.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 84,080; May 5.

Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 84,081; May 5.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 84,193; May 19.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 84,194; May 19.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 84,242; May 26.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 84,243; May 26.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 84,244; May 26.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 84,245; May 26.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 84,246; May 26.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 84,344; June 9.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 84,345; June 9.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 84,346; June 9.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 84,347; June 9.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 84,478; June 23.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. Des. 84,745; July 28.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace edging. Des. 84,783; Aug. 4.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace edging. Des. 84,784; Aug. 4.
Hudd, Alfred E., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Remote control system. 1,790,866; Feb. 3.
Hudd, Alfred E., Buckinghamshire, England, assignor to Reserve Holding Company, Kansas City, Mo. Trackway device. 1,837,440; Dec. 22.
Hudd, Alfred E., Evanston, and H. E. Hershey, Oak Park, Ill., assignors to Reserve Holding Company, Kansas City, Mo. Railway crossing signal control circuits. 1,824,207; Sept. 22.
Huddle, Carl F., Napoleon, Ohio. Carbureting and lubricating device for internal combustion engines. 1,812,436; June 30.
Huddle, Edwin F. (See Paradise, L. A., and Huddle.)
Huddle, Edwin F., assignor to Deere & Company, Moline, Ill. Slip clutch. 1,828,370; Oct. 20.
Hudelson, R. W., et al. (See Groenig, A., and Hobbs, assignors.)
Hudepohl, Fred L., St. Bernard, Ohio. Bottle crate structure. 1,837,966; Dec. 22.
Hudkins, Clyde, assignor of one-half to L. Meeker, Captina, W. Va. Ammunition carrier. 1,800,731; Apr. 14.
Hudson, Albert E. (See Rumney, F. A., and Hudson.)
Hudson, Alexander M., and C. H. Twetten, Round Lake, Minn. Current-controlling mechanism for automobile signals. 1,787,682; Jan. 6.
Hudson, Charles B., assignor to The Akron Standard Mold Company, Akron, Ohio. Tire-building drum. 1,792,462; Feb. 10.
Hudson, Charles B., assignor to The Akron Standard Mold Company, Akron, Ohio. Full circle retread vulcanizer. 1,836,850; Dec. 15.
Hudson, Charles E., Leominster, Mass. Mechanical toy. 1,821,712; Sept. 1.
Hudson, Edwin B., Butler, Pa., assignor to The American Rolling Mill Company, Middletown, Ohio. Pickling tank construction. 1,804,774; May 12.
Hudson, Finn S., Kansas City, Mo. Wheel drive for motor vehicles. 1,793,091; Feb. 17.
Hudson, Grace, Ukiah, Calif. Boudoir doll. Des. 83,447; Feb. 24.
Hudson, Harold C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method for use in the manufacture of boots and shoes. 1,793,548; Feb. 24.
Hudson, Harold C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming apparatus. 1,793,549; Feb. 24.
Hudson, Harry E., Anderson, assignor to W. A. Quebbeman, Indianapolis, Ind. Stacking machine. 1,819,841; Aug. 18.
Hudson, H. D., Manufacturing Company. (See Boyden, John H., assignor.)
Hudson, H. D., Manufacturing Company. (See Johnson, C., and Keating, assignors.)
Hudson, H. D., Manufacturing Company. (See Kegler, Anton W., assignor.)
Hudson, James D., Montreal, Quebec, Canada. Light. 1,824,208; Sept. 22.
Hudson, John B., Cheneyville, La. Sugar cane juice strainer. 1,835,944; Dec. 8.
Hudson, John F., Muskogee, Okla. Screen. 1,832,776; Nov. 17.
Hudson, John H., Ardmore, Okla. Water heater and steam condenser. 1,790,306; Jan. 27.
Hudson, Leo A., Glenbrook, assignor to Electric Indicator Corporation, Stamford, Conn. Automatic regulator. 1,832,809; Nov. 17.
Hudson Manufacturing Co. (See Cuff, Fred A., assignor.)
Hudson Motor Car Company. (See Baits, Stuart G., assignor.)
Hudson Motor Car Company. (See Baits, S. G., and Whisler, assignors.)
Hudson Motor Car Company. (See Fekete, Stephen I., assignor.)
Hudson Motor Car Company. (See Fekete, S. I., and Baits, assignors.)
Hudson Motor Car Company. (See Fekete, S. I., and Toncray, assignors.)
Hudson Motor Car Company. (See Greig, James W., assignor.)
Hudson Motor Car Company. (See Groehn, Otto J., assignor.)
Hudson Motor Car Company. (See Groehn, O. J., and Lamb, assignors.)
Hudson Motor Car Company. (See Hopkins, R. Z., and Davey, assignors.)
Hudson Motor Car Company. (See Hopkins, R. Z., and Seger, assignors.)
Hudson Motor Car Company. (See Hopkins, R. Z., Fellers, and Coffelt, assignors.)
Hudson Motor Car Company. (See Lamb, Lawrence S., assignor.)
Hudson Motor Car Company. (See Ruppel, Frederick C., assignor.)
Hudson Motor Car Company. (See Toncray, Millard H., assignor.)
Hudson Motor Car Company. (See Toncray, M. H., and Greig, assignors.)
Hudson, Rex L., Jackson, Tenn. Toy. 1,811,934; June 30.
Hudson, Richard D., Upper Montclair, N. J., assignor to Newark Concrete Pipe Co., Newark, N. J. Coupling agitators to concrete pouring forms and molds. 1,825,117; Sept. 29.
Hudson, Richard J. H., Patna, India. Folding seat. 1,790,047; Jan. 27.
Hudson, Richard J. H., Muzaffarpur, India. Collapsible boat. 1,793,617; Feb. 24.
Hudson, Richard J. H., London, England. Collapsible hull for light boats, floats for aircraft and the like. 1,828,805; Oct. 27.
Hudson-Sharp Machine Company. (See Campbell, Samuel J., assignor.)
Hudson, Silas J., and L. M. Gilley, Akron, Ohio. Ash tray. Des. 84,416; June 16.
Hudson, Walter, assignor to The Burdick Corporation, Milton, Wis. Heating element. 1,838,680; Dec. 29.
Hudson, Walter L., and W. F. Eckhardt, Greensboro, N. C. Joint fastener. 1,822,217; Sept. 8.
Hudson, William F., Philadelphia, Pa. Water wave comb. 1,823,361; Sept. 15.
Hue, Marcel H., Bois-Guillaume, France. Manufacturing agglomerated products. 1,811,935; June 30.
Hueber, Henry. (See Horton, E. C., and Hueber.)
Hueber, Henry. (See Oishei, J. R., and Hueber.)
Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Method and machine for forming windshield-cleaner blades. 1,791,085; Feb. 3.
Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Pump. 1,820,883; Aug. 25.
Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Dual wiper windshield cleaner. 1,828,713; Oct. 20.
Hueber, Henry, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,839,175; Dec. 29.
Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Horn. 1,810,478; June 16.
Hueber, Henry, and J. R. Oishei, assignors to Trico Products Corporation, Buffalo, N. Y. Automatic windshield cleaner. 1,817,563; Aug. 4.
Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Suction intensifier. 1,820,884; Aug. 25.
Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Apparatus and method for producing sound. 1,822,579; Sept. 8.
Huebner-Bleistein Patents Company. (See Huebner, William C., assignor.)
Huebner, William C., Chicago, Ill. Process of and apparatus for printing. 1,820,194; Aug. 25.
Huebner, William C., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Photographic printing apparatus. 1,809,274; June 9.
Huebner, William C., Chicago, Ill., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Plate holder for photographic printing machines. 1,828,739; Oct. 27.
Huebner, William C., Chicago, Ill., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Photographic printing apparatus. 1,832,026; Nov. 17.
Huebner, William J., Garfield, N. J. Shade controlling apparatus. 1,811,631; June 23.
Huebotter, Harry A., La Fayette, assignor to The P. H. & F. M. Roots Company, Connersville, Ind. Fluid meter. 1,797,233; Mar. 24.
Huempfner, Ferdinand W., assignor to Mid-States Gummed Paper Co., Chicago, Ill. Adhesive. 1,799,797; Apr. 7.
Huenefeld Company, The. (See Dulaney, Paul L., assignor.)
Huenefeld, Walter E., Cincinnati, Ohio. Pan puller for stove ovens. 1,838,552; Dec. 29.
Huenlich, Charles, Bloomfield, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electrically operating sound recorder and reproducer. 1,812,957; July 7.

Huenlich, Charles, Bloomfield, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Sound apparatus. 1,835,778; Dec. 8.
Huennekens, Alphonse V., Milwaukee, Wis. Conveyer excavator. 1,825,956; Oct. 6.
Huessy, Walter. (See Meier, Karl H., assignor.)
Huestis, Helen C., Washington, D. C. Shoe hanger. 1,813,573; July 7.
Huestis, Thomas B. (See Luce, G. E., and Huestis.)
Hueston, Leslie L., et al. (See Johnson, Bert E., assignor.)
Huet, André. (See Magis, A., and Huet.)
Huettner, Rudolf. (See Pauckner, G., and Huettner.)
Huff, Clayton W., Toledo, Ohio. Line retriever. 1,790,666; Feb. 3.
Huff, Fred, Chicago, Ill. Tie plate. 1,821,807; Sept. 1.
Huff, Leslie R., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Hydraulic speed governor. 1,791,028; Feb. 3.
Huff, Leslie R., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Centrifugal hydraulic speed governor. 1,811,850; June 30.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Treating petroleum oils. 1,793,443; Feb. 17.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Lining for metal parts of oil-cracking apparatus. 1,799,234; Apr. 7.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Cooling packing of hot oil pumps. 1,800,833; Apr. 14.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Cleaning dephlegmators. 1,803,969; May 5.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for hydrocarbon oil conversion. 1,806,063; May 19.
Huff, Lyman C., Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill. Cleaning stills. 1,827,085; Oct. 13.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Dephlegmator. 1,839,030; Dec. 29.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for cracking oil. 1,839,031; Dec. 29.
Huff, Nelson L., Milford, Mass. Reamer. 1,793,484; Feb. 24.
Huff, Thomas D. (See Burrows, Eastman A., assignor.)
Huff, Wilbert J., and C. G. Milbourne, Baltimore, Md.; said Milbourne assignor to said Huff. Purifying gases. 1,816,533; July 28.
Huff, William G., Bennington, Vt. Idol. Des. 85,699; Dec. 8.
Hufferd, George H., Detroit, Mich., assignor to Thompson Products Incorporated. Shackle and bearing therefor. 1,794,899; Mar. 3.
Hufferd, George H., Detroit, Mich., assignor to Thompson Products, Inc. Tie rod. 1,798,843; Mar. 31.
Hufferd, George H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Tie rod end construction. 1,803,257; Apr. 28.
Hufferd, George H., Detroit, Mich., assignor to Thompson Products Inc., Cleveland, Ohio. Dust cover for tie rods or the like. 1,809,971; June 16.
Hufferd, George H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Eccentrically adjusted spring shackle. 1,812,876; July 7.
Hufferd, George H., Detroit, Mich, assignor to Thompson Products Inc., Cleveland, Ohio. End construction for tie-rods or the like. 1,824,271; Sept. 22.
Hufferd, George H., Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Ball joint. 1,835,154; Dec. 8.
Hufferd, George H., Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Ball joint. 1,835,160; Dec. 8.
Hufferd, George H., F. C. Crawford, and M. P. Graham, Detroit, Mich., assignors to Thompson Products, Inc., Cleveland, Ohio. Tie-rod ball joint. 1,799,141; Mar. 31.
Hufferd, George H., and M. P. Graham, Detroit, Mich., assignors to Thompson Products, Inc., Cleveland, Ohio. Ball joint connection. 1,809,703; June 9.
Hufferd, George H., and M. P. Graham, Detroit, Mich., assignors to Thompson Products, Inc., Cleveland, Ohio. Shock absorber connecting link. 1,830,062; Nov. 3.
Huffman, Bird C., Tryon, Nebr. Rake. 1,818,063; Aug. 11.
Huffman, Charles E., Sutton, Nebr. Box closure. 1,820,804; Aug. 25.
Huffman, Charles E., Montclair, assignor to Jenkins Television Corporation, Jersey City, N. J. Optical system. 1,801,430; Apr. 21.
Huffman, Charles E., Montclair, N. J., assignor to Westinghouse Lamp Company. Adapter. 1,807,844; June 2.
Huffman, John H., Washington, D. C. Glare shield. 1,794,771; Mar. 3.
Huffman, Louis, assignor to Toronto Type Foundry Company, Limited, Toronto, Ontario, Canada. Manifolding book. Re18,134; July 21.
Huffman Manufacturing Company, The. (See Lumley, Maurice, assignor.)
Huffman Manufacturing Company, The. (See Wilson, Ronald M., assignor.)
Huffman, Mervin C., Claremont, N. H., assignor to Sullivan Machinery Company. Automatic lubricator. 1,798,675; Mar. 31.
Huffman, Mervin C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,829,654; Oct. 27.
Huffman, Mervin C., Claremont, N. H., assignor to Sullivan Machinery Company. Tool retainer. 1,833,361; Nov. 24.
Huffman, Samuel C., Lincoln, Nebr. Reinforced tab. 1,793,485; Feb. 24.
Huffman, Truman, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bottle cap. Des. 83,857; Apr. 7.
Huffman, Truman, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Bottle cap. Des. 83,901; Apr. 14.
Huffman, William P. (See Rike, F. F., and Huffman.)
Huffstutter, James H., Kearney, Nebr. Water-power device. 1,797,089; Mar. 17.
Hufner, Hermann, New York, N. Y. Aquarium. Des. 85,181; Sept. 22.
Hug, Ernst, and H. Werdenberg, neu-Allschwil, near Basel, assignors to Durand & Huguenin S. A., Basel, Switzerland. Galiocyanine dyestuffs. 1,834,630; Dec. 1.
Hug, Frank. (See Worms, S., Kellner, and Hug.)
Hug, John. (See Byers, K., and Hug.)
Hugentobler, Ernest. (See Wild, S., and Hugentobler.)
Hugershoff, Reinhard, Dresden, assignor to the Firm Ikarus Internationale Patentverwertungs-Aktiengesellschaft, Vaduz, Liechtenstein. Tracing appliance for pairs of measuring pictures. 1,827,473; Oct. 13.
Hugershoff, Reinhard, Dresden, Germany, assignor to the firm Ikarus Internationale Patentverwertungs-Aktien-Gesellschaft, Vaduz, Liechtenstein. Device for continuously recording the path of flight of aircraft. 1,829,594; Oct. 27.
Huggins, Merion J., Upper Saddle River, N. Y. Electric liquid measuring and indicating means. 1,827,525; Oct. 13.
Huggins, Merion J., Upper Saddle River, N. J., assignor to Auto-Meter Company, Inc., New York, N. Y. Liquid measuring and indicating means and bearing. 1,792,641; Feb. 17.
Hughes, Arthur S., Mansfield, Ohio. Double-acting tail gate. 1,790,379; Jan. 27.
Hughes, Arthur S., and H. F. Gorsuch, assignors to The Hughes-Keenan Company, Mansfield, Ohio. Dumping truck. 1,790,380; Jan. 27.
Hughes, Arthur S., and H. F. Gorsuch, assignors to The Hughes-Keenan Company, Mansfield, Ohio. Dumping truck. 1,797,343; Mar. 24.
Hughes, Arthur S., and H. F. Gorsuch, assignors to The Hughes-Keenan Company, Mansfield, Ohio. Dumping truck. 1,797,344; Mar. 24.
Hughes, Arthur S., and H. F. Gorsuch, assignor to The Hughes-Keenan Company, Mansfield, Ohio. Frame mounting for tractors. 1,802,427; Apr. 28.
Hughes, Arthur S., and H. F. Gorsuch, assignor to The Hughes-Keenan Company, Mansfield, Ohio. Tractor frame mounting. 1,802,428; Apr. 28.
Hughes, Benjamin I., Knoxville, Tenn., assignor to R. Gordon Chandler. Wallet. 1,816,284; July 28.
Hughes, Charles F., Highland Park, Mich. Bill fold. 1,833,881; Nov. 24.
Hughes, Charles H., Hackensack, N. J., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Coke oven. 1,818,713; Aug. 11.
Hughes, Charles H., Hackensack, N. J., assignor, by mesne assignments, to Semet-Solvay Engineering Corporation, New York, N. Y. Coke oven. 1,822,699; Sept. 8.
Hughes, Chauncey W. B., Marion, Ind. Bottle. Des. 85,044; Sept. 8.
Hughes, Dallas J., Albion, Wash. Tractor hitch. 1,797,660; Mar. 24.
Hughes Development Company. (See Burns, B., Lewis, and Otis, assignors.)
Hughes, Frederick E., Toronto, Ontario, Canada. Ink roller brake for printing presses. 1,819,329; Aug. 18.
Hughes, Frederick G., assignor to The New Departure Manufacturing Company, Bristol, Conn. Antifriction bearing and cage. 1,794,772; Mar. 3.
Hughes, Frederick T., Los Angeles, Calif. Nonpickable keyhole lock. 1,810,400; June 16.
Hughes, George, Trout Mills, Ontario, Canada. Fill cap. 1,821,308; Sept. 1.
Hughes, George W., Monessen, Pa. Tuyère. 1,829,356; Oct. 27.
Hughes, Grover A., and R. H. Pool, assignors to Truscon Steel Company, Youngstown, Ohio. Welding machine. 1,794,406; Mar. 3.
Hughes, Guy N., Atlanta, Ga. Electrical switching device. 1,793,402; Feb. 17.
Hughes, Horace R., Alcester, England. Reservoir pen. 1,820,226; Aug. 25.
Hughes, Hugh T., Cleveland, Ohio. Combined can opener and sealing device. 1,801,554; Apr. 21.
Hughes, James C., New City, N. Y. Sealing medium. 1,800,143; Apr. 7.
Hughes, James F., New York, N. Y. Attachment for cigarettes. 1,821,159; Sept. 1.
Hughes, James F., New York, N. Y. Mouthpiece for cigarettes. 1,821,160; Sept. 1.

Hughes, James H., Primate, Saskatchewan, Canada. Crank case oil heater. 1,823,048; Sept. 15.
Hughes, James R., South Bend, Ind., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Combined fender and head lamp. Des. 83,445; Feb. 24.
Hughes, James R., South Bend, Ind., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Combined fender and head lamp. Des. 83,446; Feb. 24.
Hughes, James R., South Bend, Ind. Combined fender and lamp casing for vehicles. Des. 84,934; Aug. 25.
Hughes, James R., South Bend, Ind., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Combination of fenders, parking lamps, headlamps and brackets therefor for vehicles. Des. 85,650; Dec. 1.
Hughes, James R., assignor to The Studebaker Corporation, South Bend, Ind. Automobile radiator. Des. 85,753; Dec. 15.
Hughes, James R., assignor, to The Studebaker Corporation, South Bend, Ind. Body construction. 1,824,719; Sept. 22.
Hughes, James R., South Bend, Ind. Doorcheck. 1,832,708; Nov. 17.
Hughes, James W., assignor to Budd Wheel Company, Philadelphia, Pa. Method and machine for electroplating. 1,807,157; May 26.
Hughes, James W., assignor to Budd Wheel Company, Philadelphia, Pa. Bar stock feed for rolling mills. 1,812,004; June 30.
Hughes, James W., assignor to Budd Wheel Company, Philadelphia, Pa. Method and machine for rolling wheel disks. 1,817,035; Aug. 4.
Hughes, James W., assignor to Budd Wheel Company, Philadelphia, Pa. Filtering apparatus. 1,819,602; Aug. 18.
Hughes, James W., assignor to Budd Wheel Company, Philadelphia, Pa. Electroplating apparatus. 1,819,603; Aug. 18.
Hughes, James W., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Wheel welding machine. 1,817,193; Aug. 4.
Hughes, Jerry M. (See Schumann, W. A., and Hughes.)
Hughes, John E. (See Thompson, W. N., and Hughes.)
Hughes, John M., Youngstown, and R. C. Butler, Lowellville, Ohio. Method and apparatus for treating slag. 1,814,808; July 14.
Hughes-Keenan Co., The. (See Gorsuch, H. F. and Wickstrom, assignors.)
Hughes-Keenan Company, The. (See Hollnagel, Theodore C., assignor.)
Hughes-Keenan Company, The. (See Hughes, A. S., and Gorsuch, assignors.)
Hughes, Kent W., Lima, Ohio. Artificial bait holder. 1,788,674; Jan. 13.
Hughes, Lafayette M. (See Mitchell, Thomas A., assignor.)
Hughes, Paul C., Tulsa, Okla. Gas burner. 1,818,222; Aug. 11.
Hughes, Ralph C. (See Gaunt, F., Reynolds, and Hughes.)
Hughes, Richard C., assignor of one-half to A. W. Lueck, Beaver Dam, Wis. Attachment for rural mail boxes. 1,793,695; Feb. 24.
Hughes, Roy H. (See Gray, F. L., and Hughes.)
Hughes, S. W. (See Fortson, Asa L., assignor.)
Hughes Tool Company. (See Evans, Seth, assignor.)
Hughes Tool Company. (See Fishback, Robert W., assignor.)
Hughes Tool Company. (See Fletcher, Harold W., assignor.)
Hughes Tool Company. (See Ricker, Norman H., assignor.)
Hughes Tool Company. (See Scott, Floyd L., assignor.)
Hughes Tool Company. (See Wellensiek, Louis H., assignor.)
Hughes Tool Company. (See Woods, Gorham W., assignor.)
Hughes, Victor, assignor to General Motors Research Corporation, Detroit, Mich. Composite piston. 1,795,949; Mar. 10.
Hughes, Victor, assignor to General Motors Research Corporation, Detroit, Mich. Rubber spring bushing and making the same. 1,827,233; Oct. 13.
Hughes, Victor, assignor to General Motors Research Corporation, Detroit, Mich. Rubber spring shackle and producing the same. 1,827,234; Oct 13.
Hughes, Virgil R., Belvedere Gardens, Calif. Road subgrading machine. 1,804,418; May 12.
Hughes, Walter J. (See Nordell, E., and Hughes.)
Hughes, William A. (See Luckenbach, Royer, assignor.)
Hughes, William R. (See Skeels, Henry E., assignor.)
Huguenin, Albert, Paris, France. Elevator for boats with constant draft. 1,795,398; Mar. 10.
Huguenin, Albert, Paris, France. Closing apparatus for hydraulic constructions, ships' elevators, and the like. 1,797,661; Mar. 24.
Huguenin, Albert, Paris, France. Apparatus for distant hydraulic control. 1,829,655; Oct. 27.
Huguenin, Georges, Le Locle, Switzerland. Novelty watch. 1,817,374; Aug. 4.
Huhn, Frank E., New York, N. Y., and T. C. Sheehan, Montclair, N. J., assignors to Premier Case Opener, Inc., Philadelphia, Pa. Cutting implement. 1,796,870; Mar. 17.
Huhnerkoch, George W., Redwood Falls, Minn. Suspensory device for artificial legs. 1,788,915; Jan. 13.
Huie, Joseph, Duluth, Minn. Fork. 1,801,084; Apr. 14.
Huiskamp, Gerard L., Keokuk, Iowa. Aeroplane wing. 1,808,464; June 2.
Huismann, Johann, H. Schweitzer, Wiesdorf-on-the-Rhine, and R. Stüsser, Cologne-Deutz, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Soluble azo dyes. 1,788,299; Jan. 6.
Huismann, Johann, H. Schweitzer, Wiesdorf-on-the-Rhine, and R. Stüsser, Cologne-Deutz, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New azo dyes. 1,788,300; Jan. 6.
Hukill, Earl W., and C. A. Braunger, Milwaukee, Wis.; said Braunger assignor to said Hukill. Collapsible decoy. 1,801,961; Apr. 21.
Hukill, Henry D., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Tube coupling. 1,805,666; May 19.
Hulack, Eugene, and J. W. Nissrod, assignors of one-sixth to H. E. Cochran and one-sixth to G. L. Rutherford, Jacksonville, Fla. Attachment for electric drills. 1,808,228; June 2.
Hulbert Thomas H. (See McPhee W. F. and Krueger assignors.)
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Electrical-discharge apparatus. 1,790,152; Jan. 27.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Electrical-discharge device and method of operation. 1,790,153; Jan. 27.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Space discharge device. 1,821,808; Sept. 1.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Amplifying system. 1,832,707; Nov. 17.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Phonograph reproducer adapter. 1,837,967; Dec. 22.
Hull, Alva M., Detroit, Mich., assignor of one-fifth to F. D. Hardesty and four-fifths to H. G. Westfall, trustee for N. M. Hull, T. M. Hull Westfall, and M. G. Pickett, Detroit, Mich. Fireproof building construction. 1,821,015; Sept. 1.
Hull, Alva M., assignor to Hul-Lo-Wen Fireproof Everlasting Homes Company, Detroit, Mich. Building construction. 1,837,267; Dec. 22.
Hull, Clarence S., Oakland, Calif., assignor to General Electric Company. Time element control system and apparatus. 1,813,743; July 7.
Hull, Edwin H., Schenectady, N. Y., assignor to General Electric Company. Pick-up device. 1,821,836; Sept. 1.
Hull, Foster J., Hagerstown, Md., assignor to Fairchild Lock Corporation, New York, N. Y. Steering-post lock. 1,796,930; Mar. 17.
Hull, Foster J., assignor to Pangborn Corporation, Hagerstown, Md. Sand blast pressure tank. 1,816,583; July 28.
Hull, Foster J., assignor to Pangborn Corporation, Hagerstown, Md. Sound blast chamber door. 1,822,404; Sept. 8.
Hull, Franklyn H., Hawthorne, N. J., assignor to Austral Window Company, New York, N. Y. Combined door bumper and coat hanger. 1,805,984; May 19.
Hull, George A., assignor to Equipment Specialties Co., Chicago, Ill. Refrigerator car. 1,804,219; May 5.
Hull, George S., Tulsa, assignor of one-half to G. E. Failing, Garber, Okla. Rock-bit cone. 1,796,602; Mar. 17.
Hull, Harry B. (See King, J. G., and Hull.)
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. Re18,154; Aug. 18.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,788,392; Jan. 13.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,788,393; Jan. 13.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,789,978; Jan. 27.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,790,236; Jan. 27.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,791,503; Feb. 10.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,791,528; Feb. 10.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,793,853; Feb. 24.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,798,262; Mar. 31.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,799,372; Apr. 7.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,800,255; Apr. 14.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,802,513; Apr. 28.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,823,899; Sept. 22.

Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,825,665; Oct. 6.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,825,731; Oct. 6.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,827,750; Oct. 20.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,827,815; Oct. 20.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,829,399; Oct. 27.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,832,904; Nov. 24.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,833,901; Dec. 1.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,833,902; Dec. 1.
Hull, Harry B., Dayton, Ohio, assignor to Frigidaire Corporation. Refrigerating apparatus. 1,833,944; Dec. 1.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,834,949; Dec. 8.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,835,599; Dec. 8.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,836,072; Dec. 15.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,836,073; Dec. 15.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,837,268; Dec. 22.
Hull, Harry B., assignor to Frigidaire Corporation, Dayton, Ohio. Pump for refrigerating apparatus. 1,838,259; Dec. 29.
Hull, Harry B., and G. F. Hofferberth, assignors to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,825,664; Oct. 6.
Hull, Harry E., Washington, D. C. Motor vehicle control. 1,832,125; Nov. 17.
Hull, Horace, Denver, Colo. Propeller. 1,825,868; Oct. 6.
Hull, John C., Gasport, N. Y. Dust distributor head. 1,792,983; Feb. 17.
Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Protective system for alternating current commutator motors. 1,814,809; July 14.
Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Frequency changer. 1,816,777; July 28.
Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Brush shifting device for alternating current dynamo electric machines. 1,818,803; Aug. 11.
Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Operation of alternating current dynamo electric machines. 1,831,564; Nov. 10.
Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Commutation of multiplex armature windings. 1,832,703; Nov. 17.
Hull, Lewis M., assignor to Radio Frequency Laboratories Incorporated, Boonton, N. J. Electrical amplifier circuit. 1,792,984; Feb. 17.
Hull, Lewis M., Mountain Lakes, assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Electrical amplifier circuit. 1,793,367; Feb. 17.
Hull, Lewis M., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Apparatus for amplifying electric oscillations. 1,794,230; Feb. 24.
Hull, Monroe R., Anaconda, Mont. Suspension system for motor-vehicle bodies and the like. 1,797,146; Mar. 17.
Hull, Norma M., et al. (See Hull, Alva M.)
Hull, Robert W., Hingham, and W. J. MacDonald, Watertown, Mass.; said MacDonald assignor to said Hull. Vending machine. 1,807,532; May 26.
Hull, Samuel P., Yonkers, assignor to Ramapo Ajax Corporation, New York, N. Y. Lamp tip. 1,834,403; Dec. 1.
Hull, Samuel P., Yonkers, J. J. Corcoran, Albany, N. Y., and F. C. Lavarack, Montclair, N. J. Cabling clip. 1,804,775; May 12.
Hullings, Otis H., Alexandria, Va. Truck. 1,827,847; Oct. 20.
Hul-Lo-Wen Fireproof Everlasting Homes Company. (See Hull, Alva M., assignor.)
Hulme, John W., Jackson Heights, N. Y. Zoning and fare collecting system. 1,810,967; June 23.
Hulsapple, Arthur B. (See Hayden, Howard A., assignor.)
Hulse, Walter S., Mechantville, N. J. Compressed air operated pump. 1,826,175; Oct. 6.
Hulsebos, Wichert, Laren, near Hilversum, Netherlands. Wabbler-driving mechanism. 1,799,167; Apr. 7.
Hulshizer, George W., Stewartsville, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J. Water tube connection. 1,836,715; Dec. 15.
Hulslander, Raymond L., Worthington, Minn. Snowplow. 1,789,753; Jan. 20.
Hult, Philip S., assignor to Morgan Construction Company, Worcester, Mass. Gas producer. 1,793,618; Feb. 24.
Hultgren, Axel G. E., Soderfors, Sweden. Machine for centerless grinding. 1,789,408; Jan. 20.
Hultgren, Axel G. E., Soderfors, Sweden. Electrically heated salt bath furnace. 1,811,754; June 23.
Hultgren, Charles, assignor to S. Karpen & Bros., Chicago, Ill. Sofa bed. 1,806,259; May 19.
Hultgren, Charles R., assignor to S. Karpen & Bros., Chicago, Ill. Seat or chair. 1,797,829; Mar. 24.
Hultgren, Charles R., assignor to S. Karpen & Bros., Chicago, Ill. Reversible seat or chair. 1,803,063; Apr. 28.
Hultgren, Charles R., assignor to S. Karpen & Bros., Chicago, Ill. Reversible seat or chair. 1,808,659; June 2.
Hultquist, Charles A., Los Angeles, Calif., assignor to Independent Pneumatic Tool Company, Chicago, Ill. Drill-steel-retaining device. 1,793,619; Feb. 24.
Hultquist, Victor J., Alcoa, Tenn. Tile. 1,832,397; Nov. 17.
Humane Stanchion Works. (See Grubb, Herbert H., assignor.)
Humason, Granville A., Houston, Tex. Packer. 1,804,619; May 12.
Humason, Granville A., Houson, Tex. Combined casing head and blow-out preventer. 1,811,013; June 23.
Humason, Granville A., assignor of one-half to J. A. Logan, Houston, Tex. Pumping mechanism. 1,799,373; Apr. 7.
Humason, Granville A., Houston, assignor of one-half to J. A. Logan, Harris County, Tex. Combination packer and setting tool. 1,810,352; June 16.
Humason, Granville A., Houston, assignor of one-half to J. A. Logan, Harris County, Tex. Sample taking apparatus. 1,828,775; Oct. 27.
Humason, Granville A., assignor of one-half to J. A. Logan, Houston, Tex. Well tester. 1,833,362; Nov. 24.
Humason, Granville A., and J. A. Logan, Houston, Tex. Blow-out preventer. 1,836,470; Dec. 15.
Humber Limited. (See Black, J. P., and Green, assignors.)
Humbert, Hubert J. (See Blood, C. R., and Humbert.)
Humble Oil & Refining Company. (See Ransom, George F., assignor.)
Hume, Fred, St. Louis, Mo., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. Re18,179; Sept. 8.
Hume, Horace D., Garfield, Wash. Assembly tool. 1,792,743; Feb. 17.
Hume, Horace D., Garfield, Wash. Assembly tool. 1,809,239; June 9.
Hume, James H., London, England. Furnace front. 1,795,027; Mar. 3.
Hume, James P. (See Lasier, D. R., and Hume.)
Hume, John T., Chicago, assignor to Electric Household Utilities Corporation, Cicero, Ill. Combined washing machine casing and wringer. Des. 84,829; Aug. 11.
Hume Steel Limited. (See Hume, Walter R., assignor.)
Hume, Walter R., Melbourne, Victoria, Australia. Welded article. 1,807,477; May 26.
Hume, Walter R., Melbourne, Victoria, Australia. Shaping the meeting edges of curved blanks in the manufacture of sheet metal pipes and the like. 1,816,534; July 28.
Hume, Walter R., Melbourne, Victoria, Australia. Electric welding machine. 1,820,130; Aug. 25.
Hume, Walter R., Melbourne, Victoria, Australia. Manufacture of sheet metal pipes and the like. 1,834,244; Dec. 1.
Hume, Walter R., Melbourne, Victoria, Australia. Apparatus for centrifugally manufacturing or lining pipes. 1,837,324; Dec. 22.
Hume, Walter R., Melbourne, Victoria, assignor to Hume Steel Limited, Melbourne, Australia. Metal working apparatus. 1,806,855; May 26.
Humer, Frank, assignor to General Motors Corporation, Detroit, Mich. Collapsible bow construction for an automotive vehicle. 1,826,399; Oct. 6.
Humfrey, John C. W., assignor to The Humfrey-Sandberg Company Limited, London, England. Clutch for mechanically-propelled vehicles. 1,788,301; Jan. 6.
Humfrey, John C. W., assignor to Humfrey-Sandberg Company, Limited, London, England. Free-wheel clutch with skew rollers. 1,834,843; Dec. 1.
Humfrey-Sandberg Company Limited. (See Humfrey, John C. W., assignor.)
Humitube Mfg. Co. (See Neumiller, Harry J., assignor.)
Hummel & Downing Co. (See Ethridge, Albert S., assignor.)
Hummel, Edgar C. (See Bost, H. A., and Hummel.)
Hummel, Frank L., assignor to Copper Plate Sheet and Tube Company, New York, N. Y. Pickling apparatus. 1,800,533; Apr. 14.
Hummel, Frederick E. (See Noeth, J. J., and Hummel.)
Hummel, Frederick E. (See Talbott, W. D., and Bannerman, assignors.
Hummel, Frederick E., Hopewell, Va. Car liner. 1,803,617; May 5.
Hummel, Frederick E., and J. J. Noeth, Chicago, Ill. Timing mechanism for egg boilers and the like. 1,812,266; June 30.
Hummel, Louis A., Milwaukee, Wis. Infant's blanket. 1,811,632; June 23.
Hummel, Louis W. (See Ohlrich, Charles H., assignor.)
Hummel, Robert C., Everett, Wash., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control. 1,817,439; Aug. 4.
Hummel, Willard A., assignor to American Engineering Company, Philadelphia, Pa. Upper and lower limit-switch mechanism for electrical hoists. 1,788,302; Jan. 6.

Hummer, Charles I., Jersey City, N. J., assignor to American Car and Foundry Company, New York, N. Y. Container construction. 1,827,393; Oct. 13.
Hummert, Herman H., San Antonio, Tex. Wall covering. 1,799,750; Apr. 7.
Hummert, Robert H., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Spot lamp for vehicles. 1,794,960; Mar. 3.
Hummert, Robert H., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Spotlamp for vehicles. 1,811,502; June 23.
Humpert, John B., San Francisco, Calif. Two-cycle engine. 1,794,405; Mar. 3.
Humphrey, Almon E., Oklahoma City, Okla. Twine holder. 1,818,894; Aug. 11.
Humphrey, Alonzo L. (See Imhofe, R. H., and Humphrey.)
Humphrey Company, The. (See Scott, D. H., and Stoneback, assignors.)
Humphrey, Frank H., Mitchell, S. Dak. Belt tightener. 1,787,865; Jan. 6.
Humphrey, George A. (See Humphrey, Hubert R. and G. A.)
Humphrey, Hartley C., Nutley, N. J., assignor to Electrical Research Products Inc., New York, N. Y. Sound-recording system. 1,799,235; Apr. 7.
Humphrey, Herbert A., Stockton-on-Tees, England, assignor to Atmospheric Nitrogen Corporation, Solvay, N. Y. Production of mixtures of nitrogen and hydrogen for ammonia synthesis. 1,794,231; Feb. 24.
Humphrey, Herbert A., Stockton-on-Tees, England, assignor to Atmospheric Nitrogen Corporation, Solvay, N. Y. Production of combustible gases. 1,794,232; Feb. 24.
Humphrey, Herbert S., Kalamazoo, Mich., assignor to Ruud Manufacturing Company, Pittsburgh, Pa. Water heater. 1,815,257; July 21.
Humphrey, Hubert R., and G. A. Humphrey, assignors to General Gas Light Company, Kalamazoo, Mich. Heating apparatus. 1,788,158; Jan. 6.
Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Drying oil and producing the same. 1,793,220; Feb. 17.
Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Refining rosin. 1,800,834; Apr. 14.
Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Separating secondary alcohols from pine oil. 1,800,862; Apr. 14.
Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing high grade rosin. 1,806,973; May 26.
Humphrey, Irvin W., Dover, N. J., assignor to Hercules Powder Company, Wilmington, Del. Lacquer. 1,817,561; Aug. 4.
Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Removing color bodies from rosin. 1,832,864; Nov. 24.
Humphrey, Raymond C., Springfield, Mass., assignor to Bendix Brake Company, South Bend, Ind. Automobile brake adjuster. Re18,019; Mar. 31.
Humphrey, Walter E., Jeannette, Pa., assignor to Pennsylvania Rubber Company. Sorting apparatus. 1,791,096; Feb. 3.
Humphrey, Walter E., assignor to Pennsylvania Rubber Company, Jeannette, Pa. Machinery for making hollow rubber balls. 1,801,085; Apr. 14.
Humphrey, Walter E., Jeannette, Pa., assignor to The Mason Tire & Rubber Corp., Kent, Ohio. Bead forming machine. 1,821,161; Sept. 1.
Humphrey, Walter E., assignor to The Mason Tire & Rubber Corporation, Kent, Ohio. Bead forming mechanism. 1,821,470; Sept. 1.
Humphreys, Cecil, Jackson Heights, N. Y., assignor to Prismo Holding Corporation. Sign. 1,825,149; Sept. 29.
Humphreys, Charles F., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Block printing machine. 1,814,160; July 14.
Humphreys, Charles F., and J. C. McCarthy, assignors to Armstrong Cork Company, Lancaster, Pa. Printing marbleized patterns on floor coverings. 1,824,433; Sept. 22.
Humphreys, Harry S., assignor to Armstrong Cork Company, Lancaster, Pa. Surface ornamentation and executing the same. 1,800,732; Apr. 14.
Humphreys, Ira B., Denver, Colo. Hydraulic drill. 1,828,604; Oct. 20.
Humphreys, Ira B., Denver, Colo. Drilling mechanism. 1,828,605; Oct. 20.
Humphreys, Omar R. (See Humphreys, W. G. and O. R.)
Humphreys, Walter G. and O. R., Omaha, Nebr. Cable connecter. 1,807,314; May 26.
Humphreys, Walter G. and O. R., Omaha, Nebr. Land vehicle. 1,834,211; Dec. 1.
Humphreys, Walter G., and O. R., Omaha, Nebr. Chain connecter. 1,836,169; Dec. 15.
Humphries, Chad H., assignor to J. C. Patten, Indianapolis, Ind. Composition for cadmium plating baths. 1,816,152; July 28.
Humphries, Chad H., assignor to J. C. Patten Indianapolis, Ind., deceased; E. K. McKinney, special administrator. Cadmium plating bath. 1,833,422; Nov. 24.
Humphries, Chad H., assignor to J. C. Patten, Indianapolis, Ind., deceased; E. K. McKinney, special administrator. Composition for cadmium plating baths. 1,833,423; Nov. 24.
Humphries, Chad H., assignor to Metals Protection Corporation, Indianapolis, Ind. Chromium plating. 1,836,598; Dec. 15.
Humphries, General W., Sheffield, assignor of one-half to D. Cook, Tuscumbia, Ala. Toilet seat and support therefor. 1,830,361; Nov. 3.
Humphris, Frank, Parkstone, England. Manufacture from sheet metal of pointed fastening devices. 1,813,805; July 7.
Humphris, Frank, Parkstone, England. Sheet of metal or material. 1,823,802; Sept. 15.
Hund, August. (See Cohen, L., and Hund.)
Hund, August, Bethesda, Md., assignor, by mesne assignments, to Federal Telegraph Company. Piezo-electric crystal control system. 1,788,239; Jan. 6.
Hund, August, Bethesda, Md., assignor by mesne assignments to Federal Telegraph Company. Filter circuit. 1,822,929; Sept. 15.
Hund, August, Bethesda, Md., assignor, by mesne assignments, to Federal Telegraph Company. Piezo electric plate. 1,823,928; Sept. 15.
Hund, August, Bethesda, Md., assignor, by mesne assignments, to Federal Telegraph Company. Producing oscillations from piezo electric plates. 1,830,322; Nov. 3.
Hund, Walter J. (See Rosenstein, L., and Hund.)
Hundemer, Walter F., Alameda, assignor, by mesne assignments, to Gat Gun Lubricating Corporation, Oakland Calif. Flexible joint. 1,827,432; Oct. 13.
Hungarian Rubber Goods Factory Limited. (See Turchanyi, Ladislas, assignor.)
Hungerford, Wallace R., assignor, by mesne assignments, to L. D. Woodruff, Chicago, Ill. Coupling mechanism. 1,820,703; Aug. 25.
Hunicke Co., The. (See Hunicke, Paul A., assignor.)
Hunicke, Paul A., Chicago, Ill., assignor to The Hunicke Co. Deep-well-drilling machine. 1,799,559; Apr. 7.
Hunkele, Jacob A., Pittsburgh, Pa. Laundry shaking out table. 1,827,985; Oct. 20.
Hunker, Paul A., assignor of fifty per cent to R. E. Bauder, Chicago, Ill. Gear ratio changing mechanism. 1,836,074; Dec. 15.
Hunley, James F., and R. W. Pace, Lexington, Ky. Awning support. 1,819,173; Aug. 18.
Hunn, John T., deceased; N. Hunn, administratrix, assignor of one-half to J. Brinkerhoff, Harrisburg, Ark. Urethral sound and axis-traction prostatic retractor. 1,798,124; Mar. 24.
Hunn, Nellie, administratrix. (See Hunn, John T.)
Hunneman, Roger D., Chicago, Ill., F. M. Rogers, Whiting, Ind., and R. E. Wilson, Chicago, Ill., assignors to Standard Oil Company, Whiting, Ind. Art of distillation. 1,791,209; Feb. 3.
Hunsicker, Clyde L., San Francisco, Calif. Ophthalmological instrument. 1,804,691; May 12.
Hunsicker, Clyde L., San Francisco, Calif., assignor, by mesne assignments, of one-half to A. S. Green and L. D. Green. Optometrist instrument. 1,804,690; May 12.
Hunt, Albert P. (See Washburn, Robert M., assignor.)
Hunt, Andrew M. (See Roesch, F. P., and Hunt.)
Hunt, Andrew M., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Peripheral bearing. 1,807,845; June 2.
Hunt, C. Howard, Pen Company. (See Thompson, Frank, assignor.)
Hunt, Charles, Washington, D. C. Crane hook. 1,813,294; July 7.
Hunt, Charles W., Wyoming, N. J., assignor to Westinghouse Lamp Company. Cutting device for mandrel-wound coil filaments. 1,799,236; Apr. 7.
Hunt, Franklin B. (See Pratt, J. H., and Hunt.)
Hunt, Franklin B., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Refrigerating system. 1,806,559; May 19.
Hunt, Franklin B., assignor, by mesne assignments, to The Liquid Carbonic Corporation, Chicago, Ill. Soda fountain. 1,811,851; June 30.
Hunt, Franklin B., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Soda dispensing fountain. 1,836,599; Dec. 15.
Hunt, Fred L., Mishawaka, assignor to Perkins Corporation, South Bend, Ind. Air motor electric generating and storage system. 1,806,628; May 26.
Hunt, Fred E., and C. L. Peters, Marinette, Wis. Multiple bulletin board. 1,826,469; Oct. 6.
Hunt, George, assignor to The Studebaker Corporation, South Bend, Ind. Air vent for fuel tank. 1,806,292; May 19.
Hunt, Gerald R., Los Angeles, Calif. Elevator. 1,787,578; Jan. 6.
Hunt, Guy H., Brookline, Mass. Producing lime. 1,824,351; Sept. 22.
Hunt, Helm, Ferris & Company. (See Ferris, Henry L., assignor.)
Hunt, Hubert, Sound Beach, Conn. Corn ear holder. 1,831,665; Nov. 10.
Hunt, J. Harold, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Securing means for demountable wheels. 1,812,005; June 30.
Hunt, J. Harold, assignor to Budd Wheel Company, Detroit, Mich. Wheel disk. 1,812,437; June 30.

Hunt, J. Harold, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Securing device for hub caps. 1,817,194; Aug. 4.
Hunt, John A., Miami, Manitoba, Canada. Gate. 1,818,482; Aug. 11.
Hunt, John H. (See Little, J. H., and Hunt.)
Hunt, John H., assignor to General Motors Research Corporation, Detroit, Mich. Vacuum-tank lock. 1,798,943; Mar. 31.
Hunt, John H., Detroit, Mich., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,825,400; Sept. 29.
Hunt, Joseph H., et al. (See Heazelwood, Heber G., assignor.)
Hunt, Rodney, Machine Company. (See Jefferson, Eugene D., assignor.)
Hunt, Sydney, Birmingham, assignor to J. Walker & Sons Limited, London, England. Cam mechanism. 1,814,313; July 14.
Hunt, Sylvester H., assignor to Farmers Manufacturing Company, Norfolk, Va. Hamper handle. 1,831,304; Nov. 10.
Hunt, Wilfred, Glasgow, Scotland. Rotary mechanism for the transmission of power at varying speeds. 1,822,776; Sept. 8.
Hunt, William F., New Brighton, and H. C. Stelling, Orangeburgh, N. Y., assignors to Union Carbide Sales Company. Acetylene generator and lamp. 1,791,595; Feb. 10.
Hunt, William F., New Brighton, and H. C. Stelling, Orangeburg, N. Y., assignors to Oxweld Railroad Service Company. Acetylene generator. 1,822,625; Sept. 8.
Hunt, William V., North Vancouver, British Columbia, assignor to International Airex Ltd., Vancouver, British Columbia, Canada. Paper roll. 1,819,895; Aug. 18.
Hunt, Wilson P., assignor to Moline Tool Company, Moline, Ill. Lapping machine. 1,793,486; Feb. 24.
Hunt, Wilson P., assignor to Moline Tool Company, Moline, Ill. Feed mechanism for drilling machines and the like. 1,812,533; June 30.
Hunter, Claud E., Peculiar, Mo. Vehicle headlamp adjusting apparatus. 1,808,039; June 2.
Hunter, Daniel L., assignor to Hunter-Walker Company, Houston, Tex. Conduit sleeve. 1,800.348; Apr. 14.
Hunter, Daniel L., assignor to Hunter-Walker Company, Houston, Tex. Conduit coupling. 1,830,276; Nov. 3.
Hunter, David E., assignor to Shaw-Walker Company, Muskegon, Mich. Furniture top construction. 1,817,453; Aug. 4.
Hunter, David E., assignor to Shaw-Walker Company, Muskegon, Mich. Furniture top construction. 1,822,032; Sept. 8.
Hunter, David H., Dallas, Tex., assignor to Sullivan Machinery Company. System and apparatus for controlling excess gas. 1,814,000; July 14.
Hunter, Edgar K., assignor, by mesne assignments, to Kodak Limited and Intertype Limited, London, England. Photographic printing process and apparatus therefor. 1,805,333; May 12.
Hunter, Edward O., Savannah, Ga. Finger thimble for telephone dials. 1,794,233; Feb. 24.
Hunter, Frank A., et al, administrators. (See Rush, Albert.)
Hunter, Frank M., Lititz, Pa. Undergarment. 1,832,709; Nov. 17.
Hunter, Frederick L., jr., Towaco, and S. W. Crowley, Weehawken, assignors to De Forest Radio Telephone & Telegraph Co., Jersey City, N. J. Electron discharge device. 1,835,051; Dec. 8.
Hunter, Herbert T., Catonsville, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Cooking apparatus. 1,814,930; July 14.
Hunter, Herbert T., Catonsville, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Cooking apparatus. 1,817,887; Aug. 4.
Hunter, Herbert T., Catonsville, Md., assignor to Doughnut Machine Corporation, New York, N. Y. Coating apparatus. 1,819,557; Aug. 18.
Hunter, Herbert T., Catonsville, Md., assignors to Doughnut Machine Corporation, New York, N. Y. Cooking apparatus. 1,823,146; Sept. 15.
Hunter, James Machine Company. (See Buck, Lucien, assignor.)
Hunter, John C., Cincinnati, assignor to Jacob Meerse, Cincinnati, Ohio. Mop. 1,795,651; Mar. 10.
Hunter, John O., Peterstown, W. Va. Easy-applying auto chain. 1,801,159; Apr. 14.
Hunter, Joseph H. (See Rylander, Andrew E., assignor.)
Hunter, Joseph H., Detroit, Mich., assignor, by mesne assignments, to General Cable Corporation. Conduit securing means. 1,818,625; Aug. 11.
Hunter, Joseph H., Detroit, Mich., assignor by mesne assignments to General Cable Corporation. Conduit system. 1,827,086; Oct. 13.
Hunter, Marcus C. I., Kew Garden, and F. L. Fletcher, Harlesden, England, assignors to General Electric Company. Electric switching apparatus. 1,837,968; Dec. 22.
Hunter, Mary P., et al. (See Fairley, Taliaferro J., assignor.)
Hunter, Percy E., Pittsburgh, Pa. Pipe thread protector. 1,820,140; Aug. 25.
Hunter, Percy E., Pittsburgh, Pa. Annealing box. 1,832,933; Nov. 24.
Hunter, Percy E., assignor of one-half to F. J. Lanahan, Pittsburgh, Pa. Bridge railing. 1,796,712; Mar. 17.
Hunter, Percy E., and L. E. Endsley, Pittsburgh, Pa.; said Endsley assignor to said Hunter. Method of and apparatus for separating metal sheets. 1,830,794; Nov. 10.
Hunter, Ralph M., assignor to The Dow Chemical Company, Midland, Mich. Producing substantially pure metallic magnesium directly by electrolysis of a fused bath. 1,820,022; Aug. 25.
Hunter, Ralph W., Jacksonville, Fla. Stencil. 1,808,986; June 9.
Hunter, Richard B., Milwaukee, Wis., and R. C. Pauly, Cincinnati, Ohio, assignors, by mesne assignments, to Cutler-Hammer, Inc. Circuit controlling device. 1,808,229; June 2.
Hunter, Richard B., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric control device. 1,822,700; Sept. 8.
Hunter, Richard B., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Illumination control system. 1,825,316; Sept. 29.
Hunter, Robert L. (See Miller, J. J., Demeree, assignor, and Delafield.)
Hunter, Samuel B. (See Carroll, John T., assignor.)
Hunter, Thomas M., East Orange, N. J. Welding transformer. 1,811,886; June 30.
Hunter, Thomas M., East Orange, assignor to American Transformer Company, Newark, N. J. Spot-welding apparatus. 1,796,892; Mar. 17.
Hunter, Thomas W., Alhambra, Calif. Oil burner. 1,815,374; July 21.
Hunter, Victor E., F. M. Abernathy, and W. H. Gholson, Elk City, Okla. Cotton harvester. 1,798,883; Mar. 31.
Hunter, W. J., et al. (See Fairley, Taliaferro, J., assignor.)
Hunter-Walker Company. (See Hunter, Daniel L., assignor.)
Hunter, William J., Denver, Colo. Internal combustion engine. 1,802,382; Apr. 28.
Huntington, Corey P., San Bernardino, Calif. Sled runner adjustment for vehicle wheels. 1,829,957; Nov. 3.
Huntington, Daniel J. W. (See Fewins, Frank, assignor.)
Huntington, Edward E. (See Baker, A. J., and Huntington.)
Huntington, Edward E., assignor to The Willys-Overland Company, Toledo, Ohio. Spark-plug insulator. 1,792,985; Feb. 17.
Huntington, J. T., Lansing, Mich. Thermostatic valve. 1,815,356; July 21.
Huntley, De Witt C., Tucson, Ariz. Road roller. 1,831,116; Nov. 10.
Huntley, Ernest R., Milwaukee, Wis., assignor to Industrial Research Corporation, Toledo, Ohio. Starter mechanism. 1,820,536; Aug. 25.
Huntley, George J., Baltimore, Md., assignor to Crown Cork & Seal Company, New York, N. Y. Water cooler. 1,828,970; Oct. 27.
Huntley Manufacturing Co. (See Chapman, W. A., Machemer, and Paul, assignors.)
Huntley Manufacturing Co. (See Howson, Charles T.)
Huntley, Reginald C., assignor to Sturgis Posture Chair Company, Sturgis, Mich. Adjustable chair. 1,796,949; Mar. 17.
Huntman, Anna M. (See Huntman, Fred W. and A. M.)
Huntman, Fred W. and A. M., Chicago, Ill. Hose protector. 1,792,539; Feb. 17.
Huntoon, Cullen L., Los Angeles, Calif. Rubber band cushion shoe sole press. 1,829,221; Oct. 27.
Huntress, Ernest H. (See Davis, T. L., and Huntress.)
Huntress, Ernest H., Melrose, assignor to Plymouth Cordage Company, Plymouth, Mass. Marking device. 1,822,098; Sept. 8.
Huntress, Ernest H., Melrose, assignor to Plymouth Cordage Company, Plymouth, Mass. Inchoately marked articles of manufacture. 1,822,148; Sept. 8.
Hunyady, Frank, Chicago, Ill. Self adjusting brake. 1,804,012; May 5.
Hunziker, Benjamin, Kansas City, Mo. Pipe or rod coupling. 1,835,399; Dec. 8.
Hunziker, Fred, assignor of one-half to The W. J. Schoenberger Company, Cleveland, Ohio. Automatic indexing mechanism. 1,801,601; Apr. 21.
Hunziker, Fred, assignor of one-half to The W. J. Schoenberger Company, Cleveland, Ohio. Indexing chuck. 1,801,602; Apr. 21.
Hupp Motor Car Corporation. (See Loewy, Raymond, assignor.)
Hupp Motor Car Corporation. (See Ornberg, Ivan, assignor.)
Hupp Motor Car Corporation. (See Punke, John J., assignor.)
Huppert, William, New York, N. Y. Electrical outlet. 1,818,804; Aug. 11.
Hurason, Harry, Brooklyn, N. Y. Locking joint. 1,800,349; Apr. 14.
Hurd, Ephraim L., Oklahoma City, Okla., assignor to A. Gammell, Chicago, Ill. Laundry checking and assembling apparatus. 1,808,405; June 2.
Hurd, John S. (See Ketchum, Lee, assignor.)
Hurd, Norman B., New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 1,788,834; Jan. 13.

Hurd, Norman B., New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn. Unit lock. 1,791,029; Feb. 3.
Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 1,829,713; Oct. 27.
Hurd, Norman B., Newington, assignor to The American Hardware Corporation, New Britain, Conn. Lock. 1,795,859; Mar. 10.
Hurd, Norman B., Newington, assignor to The American Hardware Corporation, New Britain, Conn. Door holder. 1,837,126; Dec. 15.
Hurd, Norman B., Newington, assignor to The American Hardware Corporation, New Britain, Conn. Lock. 1,837,441; Dec. 22.
Hurd, Norman L., Brooklyn, assignor to C. H. Leach Company, New York, N. Y. Heat exchange apparatus. 1,816,850; Aug. 4.
Hurel, Maurice. (See Du Boistesselin, Henri, assignor.)
Hurka, Frank, Schenectady, N. Y. Garden implement. 1,806,165; May 19.
Hurlburt, Lew A., Perry, Iowa. Reading easel. 1,797,610; Mar. 24.
Hurlburt, Lew A., Perry, Iowa. Green-corn huller. 1,799,588; Apr. 7.
Hurlburt, Lew A., Perry, Iowa. Vending machine. 1,831,249; Nov. 10.
Hurlbert, William G., jr., Warren, and W. J. Purser, Youngstown, assignors to The Bostwick Steel Lath Company, Niles, Ohio. Reenforced-metal lath 1,791,210; Feb. 3.
Hurlbut, Francis A. (See Pryor, Eric A. C., and Hurlbut.)
Hurley, Daniel J., Detroit, Mich. Refrigerator box. 1,837,907; Dec. 22.
Hurley, John C., Baldwinsville, N. Y. Card and punch guide for stenciled cards. 1,799,374; Apr. 7.
Hurley, Joseph C. (See Gray, Joseph H., assignor.)
Hurley, Mary C., Dorchester, Mass. Holy water font. Des. 84,583; July 7.
Hurley, Roy T., Dobbs Ferry, assignor to Motometer Gauge & Equipment Corporation, Long Island City, N. Y. Traffic warning device. Des. 83,974; Apr. 21.
Hurley, Roy T., Dobbs Ferry, assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Heat indicator for motor vehicles. 1,802,255; Apr. 21.
Hurley, Roy T., Dobbs Ferry, assignor to Hurley-Townsend Corporation, New York, N. Y. Spark plug. 1,812,438; June 30.
Hurley, Roy T., Dobbs Ferry, N. Y., assignor to The B. G. Corporation. Rolling composite wire. 1,813,539; July 7.
Hurley, Roy T., Dobbs Ferry, assignor to Hurley-Townsend Corporation, New York, N. Y. Making spark plugs. 1,815,714; July 21.
Hurley, Roy T., Dobbs Ferry, N. Y., assignor to Moto Meter Gauge & Equipment Corporation. Mounting for traffic warning devices. 1,815,844; July 21.
Hurley, Roy T., Dobbs Ferry, and George M. Paulson, Astoria, N. Y., assignors to The B. G. Corporation. Spark plug. 1,793,803; Feb. 24.
Hurley, Roy T., Dobbs Ferry, and W. J. Carry, Brooklyn, assignors to General Bronze Corporation, Long Island City, N. Y. Window frame. 1,808,413; June 2.
Hurley, Roy T., Dobbs Ferry, and W. J. Carry, Brooklyn, assignors to General Bronze Corporation, Long Island City, N. Y. Window construction. 1,808,414; June 2.
Hurley-Townsend Corporation. (See Hurley, Roy T., assignor.)
Hurm, Louis H., Lansing, Iowa. Automatic release hone. 1,831,915; Nov. 17.
Huron Industries, Inc. (See Green, Burnett E., assignor.)
Huron Industries Inc. (See Harris, Clinton P., assignor.)
Hurricane Motor Company. (See Parsons, Ben G., assignor.)
Hursh, Raymond M., Warrensburg, Mo. Cradle. 1,812,699; June 30.
Hurst, George L. (See Sharer, S. S., Kugler, Smith, and Hurst.)
Hurst, George P., assignor of one-half to George B. Snyder, Rapid City, S. Dak. Nut lock. 1,801,505; Apr. 21.
Hurst, Harvey, South San Francisco, Calif. Fruit pulping machine. 1,838,626; Dec. 29.
Hurst, Ira N. (See Hansen, J. W. and W. L., and Hurst.)
Hurst, Leonard E., assignor to Whitehead & Kales Company, Detroit, Mich. Truck. 1,832,932; Nov. 24.
Hurst, Lillian L., San Jose, Calif. Hair dressing article. 1,788,835; Jan. 13.
Hurst, Martin C., Los Angeles, Calif. Shingle cutter. 1,818,397; Aug. 11.
Hurst, William J., Maquoketa, Iowa. Drag harrow cleaner. 1,804,100; May 5.
Hurt, Frank B., La Grande, Oreg. Stone spreader. 1,809,704; June 9.
Hurt, Samuel N., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. Re18,190; Sept. 15.
Hurtubise, Deloss V., Oklahoma City, Okla. Boiler extension preventer. 1,832,777; Nov. 17.
Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Thermostatic element. 1,812,788; June 30.
Hurxthal, Alpheus O., and H. Bogaty, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Conveyer for skein or yarn driers. 1,812,789; June 30.
Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Pre-cooler for fabric coolers. 1,832,778; Nov. 17.
Husberg, Andrew, and G. L. Gutke, Salt Lake City, Utah. Automatic hook. 1,794,773; Mar. 3.
Huschke, Casper B. (See Jensen, K. M., and Huschke.)
Huseboe, Mae, and R. W. Porter, Los Angeles, Calif. Printing plate or similar article. Des. 84,987; Sept. 1.
Huseby, Albert A. and E. A., Oak Park, Ill. Changeable exhibitor. 1,831,450; Nov. 10.
Huseby, Edmond A. (See Huseby, Albert A. and E. A.)
Huseby, Edmond A., Chicago, Ill. Aeroplane. 1,823,655; Sept. 15.
Huseman, Walter G., Wardner, Idaho. Toothpick holder. 1,800,074; Apr. 7.
Huser, Johann, Polsum, Germany. Grinding machine. 1,809,414; June 9.
Hushour, Perry D., assignor to W. M. Charman, Youngstown, Ohio. Valve structure. 1,824,434; Sept. 22.
Husler, John, Saugus, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutting or punching machine. 1,809,040; June 9.
Husman, Marion M., New York, N. Y. Cap. 1,819,558; Aug. 18.
Husong Dyeing Machine Company. (See Tweedale, Joseph T., assignor.)
Huss, Raymond S., Cynwyd, Pa. Inkwell. 1,830,943; Nov. 10.
Hussa, Theodore F., Montclair, N. J. Singeing machine. 1,800,835; Apr. 14.
Hussar, William B., St. Louis, Mo. Switch box support. 1,816,584; July 28.
Hussey, Erwin H., Springfield, Ohio. Manufacture of fiber board. 1,804,560; May 12.
Hussey, Erwin H., Minneapolis, Minn. Making fiber board by continuous filter process. 1,831,599; Nov. 10.
Hussey, Erwin H., Minneapolis, Minn., assignor to The Bauer Brothers Company, Springfield, Ohio. Producing pulp. 1,795,603; Mar. 10.
Hussey, Richard H. (See Wolfard, M. R., Morton, and Hussey.)
Hussmann-Ligonier Company. (See Rutishauser, Donald E., assignor.)
Hussong Dyeing Machine Company. (See Tweedale, Joseph T., assignor.)
Husted, Frank L., and H. C. Husted, Hicksville, Ohio. Burglar alarm for safes. 1,823,740; Sept. 15.
Husted, H. A., Company, The. (See Husted, Harry A., assignor.)
Husted, H. A., Company, The. (See Kraft, Herman T., assignor.)
Husted, Harry A., Cleveland, Ohio, assignor to The H. A. Husted Company, Detroit, Mich. Steering wheel. 1,789,817; Jan. 20.
Husted, Harry A., Cleveland, Ohio, assignor to The H. A. Husted Company, Detroit, Mich. Forming steering wheels. 1,823,562; Sept. 15.
Husted, Harry A., Cleveland, Ohio, assignor to The H. A. Husted Company, Detroit, Mich. Steering wheel. 1,823,563; Sept. 15.
Husted, Harry A., Cleveland, Ohio, assignor to The H. A. Husted Company, Detroit, Mich. Steering wheel. 1,828,047; Oct. 20.
Husted, Hugh C. (See Husted, Frank L. and H. C.)
Husted, Norris C., Niles, Ohio. Mast arm. 1,796,994; Mar. 17.
Huster, Alfred, Kiel, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel Gaarden, Prussia, Germany. Water tube boiler. 1,836,119; Dec. 15.
Hustler Toy Corporation. (See Ferris, William D., assignor.)
Huston, Arch C., Los Angeles, Calif. Paper tube cutter. 1,835,398; Dec. 8.
Huston, Jack, San Francisco, Calif. Control mechanism for automatically operated doors. 1,801,863; Apr. 21.
Huston, Jack, San Francisco, Calif. Door operating mechanism. 1,806,203; May 19.
Huston, Jack, San Francisco, Calif. Door opener. 1,831,117; Nov. 10.
Huston, Tom. (See Mahoney, J. J., jr., and Carter, assignors.)
Hutchby, Grace M., Los Angeles, Calif. Permanent waving pad and stick apparatus. 1,827,290; Oct. 13.
Hutchens, Edward, Milwaukee, assignor to Utility Manufacturing Co., Cudahy, Wis. Fluid lock for vulcanizers. 1,801,555; Apr. 21.
Hutchens, Edward, Cudahy, Wis., assignor, by mesne assignments, to H. Muehlstein & Co. Inc., New York, N. Y. Machine and method for removing valve stems from inner tubes. 1,804,419; May 12.
Hutcheson, Ray R., Richmond Hill, N. Y., assignor to Wm. Demuth & Co. Table lighter. Des. 84,335; June 9.
Hutcheson, Ray R., Richmond Hill, N. Y., assignor to Wm. De Muth & Co. Ash tray or article of analogous nature. Des. 85,476; Nov. 3.
Hutcheson, Ray R., Richmond Hill, N. Y., assignor to Wm. De Muth & Co. Lighter. Des. 85,827; Dec. 22.
Hutchings, Albert J., Allston, assignor to C. A. Cunningham Co., Boston, Mass. Anchor. 1,816,433; July 28.
Hutchings, Harry H., Whitestone, N. Y. Comb. 1,789,526; Jan. 20.

Hutchings, Le Roi E., Tonawanda, assignor to Remington Rand Inc., New York, N. Y. Visible file case. 1,811,633; June 23.
Hutchings, Le Roi E., Tonawanda, assignor to Remington-Rand, Inc., Buffalo, N. Y. Index file. 1,820,003; Aug. 18.
Hutchings, Le Roi E., Buffalo, assignor to Remington Rand Inc., Tonawanda, N. Y. Index and signal. 1,817,564; Aug. 4.
Hutchings, Le Roi E., Buffalo, assignor, by mesne assignments, to Remington Rand, Inc., New York, N. Y. Index record and signal. 1,823,564; Sept. 15.
Hutchings, Le Roi E., Buffalo, assignor to Remington Rand Inc., New York, N. Y. Index file mounting. 1,823,565; Sept. 15.
Hutchings, Le Roi E., Buffalo, assignor to Remington Rand Inc., New York, N. Y. Loose leaf book. 1,825,351; Sept. 29.
Hutchings, Le Roi E., Buffalo, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index device. 1,838,681; Dec. 29.
Hutchins, Allan S., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft tension device for shuttles. 1,826,315; Oct. 6.
Hutchins Car Roofing Company. (See Thompson, William D., assignor.)
Hutchins Car Roofing Company. (See Wilson, Alfred R., assignor.)
Hutchins, Robert H., Memphis, Tenn. Folding bed. 1,811,936; June 30.
Hutchins, William H., and W. Carlson, assignors to North East Appliance Corporation, Rochester, N. Y. Electric ignition system. 1,801,603; Apr. 21.
Hutchinson, Addie, Portsmouth, Ohio. High-temperature cement. 1,787,625; Jan. 6.
Hutchinson, Arthur C., et al. (See Norton, William H., assignor.)
Hutchinson, Charles W., New York, N. Y. Nether garment. 1,834,780; Dec. 1.
Hutchinson, Frank. (See Fraser, J., jr., and Hutchinson.)
Hutchinson, Harry, assignor of one-fourth to E. W. Griswell and one-fourth to F. Ardrey, Absecon, N. J. Tire valve. 1,822,592; Sept. 8.
Hutchinson, James E., and J. R. Young, jr., Compton, Calif. Indicator for vehicles. 1,796,289; Mar. 17.
Hutchinson, Job, Great Neck, N. Y. Carburetor. 1,791,623; Feb. 10.
Hutchinson, Job, Great Neck, N. Y. Changeable indicator. 1,813,450; July 7.
Hutchinson, Philip H. (See Chapman, W. H., and Hutchinson.)
Hutchinson, Philip H. (See Williams, J. F., and Hutchinson.)
Hutchinson, Philip H., Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Gauge switch. 1,823,900; Sept. 22.
Hutchinson, Raymond, assignor to The New Departure Manufacturing Company, Bristol, Conn. Heating apparatus. 1,791,504; Feb. 10.
Hutchinson, Robert P., Bethlehem, Pa. Building lighting. 1,832,304; Nov. 17.
Hutchinson, Roland V. (See Upton, G. B., and Hutchinson.)
Hutchinson, Roland V., Lansing, assignor to General Motors Research Corporation. Detroit, Mich. Supercharger drive. 1,815,621; July 21.
Hutchinson, Roland V., Lansing, assignor to General Motors Research Corporation, Detroit, Mich. Supercharger. 1,829,400; Oct. 27.
Hutchinson Rutherford H., Ogden, Utah. Tire-inflating mechanism. 1,794,900; Mar. 3.
Hutchinson, Rutherford H., Ogden, Utah. Piano carrier. 1,826,470; Oct. 6.
Hutchinson, William S., Scarsdale, N. Y., assignor, by mesne assignments, to Lektephone Corporation, Jersey City, N. J. Treating storage battery plates. 1,802,818; Apr. 28.
Hutchison, Clare E., administratrix. (See Hutchison, Maurice F.)
Hutchison, Delbert T., Baton Rouge, La., assignor to G. A. Ripley, Dallas, Tex. Collar supporter. 1,826,176; Oct. 6.
Hutchison, Hugh, Cambuslang, assignor to "H. H." Carburetter Company Limited, Glasgow, Scotland. Carburetor. 1,815,406; July 21.
Hutchison, Maurice F., deceased, by C. E. Hutchison, administratrix, Herndon, Va. Draft regulator. 1,789,654; Jan. 20.
Hutchison, Miller R., Llewellyn Park, assignor to Echodon, Inc., West Orange, N. J. Method of and apparatus for amplifying and projecting sound waves. 1,810,708; June 16.
Hutchison, Miller R., Llewellyn Park, West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Horn having resonating chambers at antinodal points. 1,814,554; July 14.
Hutchison, Miller R., Llewellyn Park, West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Producing compressional waves. 1,818,960; Aug. 11.
Hutchison, Miller R., jr., Madison, N. J., assignor, by mesne assignments, to Sonora Manufacturing Corporation. Stacked spiral resonator. 1,836,075; Dec. 15.
Hutchison, Thomas S., Chicago, Ill. Game. 1,826,215; Oct. 6.
Hutchison, William E., Cardiff, and D. E. W. Rees, Barry, Wales. Control for head lamps for motor cars. 1,801,864; Apr. 21.
Hüth, Dr. Erich F., G. m. b. H. (See Kuhn, L., and Geissler, assignors.)
Huth, Erich F., G. m. b. H. (See Thilo, Günther, assignor.)
Huth, Walter H., and B. B. Minnium, assignors to Story & Clark Radio Corp, Chicago, Ill. Radioreceiving loud speaker. 1,825,232; Sept. 29.
Huther Bros. Saw Mfg. Co. (See Huther, Warren B., assignor.)
Huther Brothers Saw Manufacturing Company. (See Stauder, Emanuel, assignor.)
Huther, Warren B., assignor to Huther Bros. Saw Mfg. Co., Rochester, N. Y. Device for sharpening, filing, or dressing the teeth of circular saws. 1,836,120; Dec. 15.
Hutbsing, Charles K., St. Louis County, Mo. Hose coupling. 1,836,716; Dec. 15.
Hutson, Thomas C., Port Homer, Ohio. Sewer pipe. 1,787,907; Jan. 6.
Hutt, Albert E., New Rochelle, assignor, by mesne assignments, to Vacuum Oil Company, Inc., New York, N. Y. Pneumatic controller. 1,836,029; Dec. 15.
Hutt, Albert E., New Rochelle, N. Y. Combination day and sleeping passenger vehicle. 1,838,765; Dec. 29.
Hutt, Arthur C., Shrewsbury, assignor to The "Sentinel" Waggon Works Limited, London, England. Steerable road wheel. 1,802,256; Apr. 21.
Hutt, Arthur C., Shrewsbury, assignor to The "Sentinel" Waggon Works Limited, London, England. Motor road vehicle. 1,817,514; Aug. 4.
Hutt, Cecilia E., executrix. (See Young, A. P., and Hutt.)
Hutt, George A. (See Hutt, Robert J. and G. A.)
Hutt, Joseph. (See Young, A. P., and Hutt.)
Hutt, Joseph, Kenilworth, England, assignor to General Electric Company. Sound-reproducing apparatus. 1,793,403; Feb. 17.
Hutt, Joseph, Coventry, England, assignor to General Electric Company. Acoustical device. 1,804,341; May 5.
Hutt, Leonard P., Schenectady, N. Y., assignor to General Electric Company. Thermostatic switch. 1,825,591; Sept. 29.
Hutt, Robert J. and G. A., Brooklyn, N. Y. Display container. 1,790,048; Jan. 27.
Hutter & Schrantz A. G. (See Schubert, Hermann, assignor.)
Hutter, William H., assignor to Webster Electric Company, Racine, Wis. Translating device. 1,787,579; Jan. 6.
Huttger, Edward P., assignor of one-half to A. J. Gibson, Philadelphia, Pa. Window frame and sash construction. 1,802,717; Apr. 28.
Huttig, Ernest W., Denver, assignor to Coors Porcelain Company, Golden, Colo. Ash receptacle. Des. 84,417; June 16.
Huttinger, William R., Philadelphia, Pa. Switch terminal. 1,839,100; Dec. 29.
Huttinger, William R., Philadelphia, Pa. High voltage switch. 1,839,101; Dec. 29.
Hutto Engineering Company. (See Hutto, Marsden C., assignor.)
Hutto Engineering Company. (See Kern, Fred M., assignor.)
Hutto, Marsden C., Detroit, Mich., assignor to Hutto Engineering Company, Inc. Casting apparatus. 1,811,937; June 30.
Hutto, Marsden C., Detroit, Mich., assignor to Hutto Engineering Company, Inc. Device for grinding external cylindrical surfaces. 1,827,789; Oct. 20.
Hutton, Arthur R., assignor to California Corrugated Culvert Co., Berkeley, Calif. Drain culvert. 1,828,866; Oct. 27.
Hutton, Ethel L. (See Hutton, Homer F., assignor.)
Hutton, Homer F., Jeffers, Mont., assignor to E. L. Hutton, Bozeman, Mont. Hay stacker. 1,795,722; Mar. 10.
Huwer, Henry A. (See Wickersham, J. D., and Huwer.)
Hux, Frank, Bruni, assignor to Standard Drilling and Sand Testing Company, Webb County, Tex. Sand testing tool. 1,804,620; May 12.
Huxford, George T., Providence, and F. E. Stratton, Cranston, assignors to Diamond Machine Company, Providence, R. I. Apparatus for grinding. 1,831,353; Nov. 10.
Huxford, George T., Providence, R. I. Apparatus for drying, specifically ironing. 1,838,943; Dec. 29.
Huxford, Jere O., Perry, Fla. Hack. 1,818,398; Aug. 11.
Huxford, Jere O., Perry, Fla. Puller. 1,818,399; Aug. 11.
Huxman, Richard F., Benton Harbor, Mich. Grass clipper. 1,823,199; Sept. 15.
Huye, Joseph G., New Orleans, La. Double-face covering machine. 1,792,986; Feb. 17.
Huyette, Kenneth H., Bluffton, Ind., assignor to General Electric Company. Air cooled condenser for refrigerating systems. 1,821,754; Sept. 1.
Huyette, Paul B., assignor to Paul B. Huyette Co., Inc., Philadelphia, Pa. Adapter for water gauges. 1,794,295; Feb. 24.
Huyette, Paul B., Co. (See Huyette, Paul B., assignor.)
Hvid, Rasmus M., Chicago, Ill. Expansion valve. 1,819,370; Aug. 18.
Hvoslef, Fredrik W., assignor to Kohler Company, Kohler, Wis. Return baffle for flue doors. 1,817,150; Aug. 4.
Hyams, Mortimer N., New York, N. Y. Surgical instrument. 1,794,296; Feb. 24.

Hyatt, Charley T., Hulsa, Okla. Combination stool and stepladder. 1,821,517; Sept. 1.
Hyatt, Frank S., assignor to Brass Goods Mfg. Co., Brooklyn, N. Y. Bottle-washing device. 1,789,440; Jan. 20.
Hyatt, Frank S., assignor to Brass Goods M'f'g. Co., Brooklyn, N. Y. Faucet connection. 1,798,884; Mar. 31.
Hyatt, Frank S., assignor to Brass Goods M'f'g. Co., Brooklyn, N. Y. Hose holder. 1,803,529; May 5.
Hyatt, Lawrence H., New York, N. Y. Air compressor. 1,808,554; June 2.
Hyatt, Louis C., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Burner for exhaust gases. 1,834,126; Dec. 1.
Hyatt, Raymond D., assignor to The D. L. Auld Company, Columbus, Ohio. Locking device. 1,793,804; Feb. 24.
Hyatt, Raymond D., and R. E. Cochran, assignors to The D. L. Auld Company, Columbus, Ohio. Name plate. 1,808,040; June 2.
Hyatt, Samuel W., assignor to Indiana Lamp Corporation, Connersville, Ind. Lamp construction for airplanes. 1,787,823; Jan. 6.
Hyatt, Samuel W., assignor to Indiana Lamp Corporation, Connersville, Ind. Lamp door and door lock. 1,790,585; Jan. 27.
Hyatt, Samuel W., assignor to Indiana Lamp Corporation, Connersville, Ind. Interior-telescoping-rim head lamp. 1,793,805; Feb. 24.
Hyatt, Samuel W., assignor to Indiana Lamp Corporation, Connersville, Ind. Interior telescoping rim head lamp. 1,810,177; June 16.
Hyde, A. Fillmore. (See Simonds, Francis M., assignor.)
Hyde, Arthur M. (See Schaffer, Jacob M., assignor.)
Hyde, Catherine E., executrix. (See Hyde, Edward W., jr.)
Hyde, Edward W., jr., deceased, Philadelphia, Pa.; C. E. Hyde, executrix. Structural head for reinforced concrete construction. 1,804,342; May 5.
Hyde, Elbert L. (See Brockett, B. W., and Hyde.)
Hyde, Elbert L., et al. (See Case, Francis M., assignor.)
Hyde, Harold G., Masury, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Constant current regulator. 1,829,484; Oct. 27.
Hyde, Herbert R., Albuquerque, N. Mex. Advertising sign exhibitor. 1,836,664; Dec. 15.
Hyde, Martin G., and G. R. Magney, assignors of one-fourth to W. H. Tusler, and one-fourth to L. E. Arnal, Minneapolis, Minn. Beam connection. 1,791,897; Feb. 10.
Hyde, Ralph C., Los Angeles, Calif., assignor to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del. Supporting and spacing means for gaseous discharge tubes. 1,838,181; Dec. 29.
Hyde, Ralph E., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Diestock. 1,795,604; Mar. 10.
Hyde, Ralph E., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Work-centering means. 1,795,605; Mar. 10.
Hyde, Ralph E., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Stamped ratchet die head. 1,814,388; July 14.
Hyde, Ralph E., Cleveland, and D. Schappi, Lakewood, assignors to The Osther Manufacturing Company, Cleveland, Ohio. Machine for cutting off pipe, bar stock, and the like. 1,828,371; Oct. 20.
Hyde, Reed W., Summit, N. J. Pallet for sintering machines. 1,838,403; Dec. 29.
Hyde, Reed W., Summit, N. J., assignor to Dwight and Lloyd Metallurgical Company, New York, N. Y. Process of and apparatus for heat treating alkaline earth carbonates and other materials. 1,810,313; June 16.
Hyde, Robert E. (See Ward, J. P., Hyde, and Green.)
Hyde, Rollin M., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Condenser. 1,794,692; Mar. 3.
Hyde, Stillman B. (See Bolton, J. H., and Hyde.)
Hyden, Carl, Dayton, Ohio. Aerial camera mount. 1,829,142; Oct. 27.
Hyden, Tore G. O., Stockholm, and E. V. Carlsson, Nykoping, Sweden. Method and apparatus for manufacturing pipes and like hollow articles. 1,789,818; Jan. 20.
Hydor G. m. b. H.,-Regenanlagen- und Silo-Bau. (See Oehler, Theodor, assignor.)
Hydraulic Brake Company. (See Loughead, Malcolm, assignor.)
Hydraulic Brake Company. (See Oliver, Wallace F., assignor.)
Hydraulic Deep Well Pump Company. (See Squires, Wilbur N., assignor.)
Hydraulic Press Manufacturing Company, The. (See Darling, E. R., and MacMillin, assignors.)
Hydraulic Press Manufacturing Company, The. (See Ernst, Walter, assignor.)
Hydraulic Pressed Bearing Company. (See Stockfleth, Berger, assignor.)
Hydro Electric Manufacturing Company. (See Lederman, John E., assignor.)
Hydrographic Products Company. (See Freuder, Leo, assignor.)
Hydro-Oil Fire Corporation. (See Teale, W., and McLauthlin, assignors.)
Hydrotator Company. (See Fraser, Thomas, assignor.)
Hyer, John W. (See De Long, H. T., and Hyer.)
Hygienic Tube Co. (See Lermer, Herman B., assignor.)
Hykon Manufacturing Company, The. (See Hick, Harry J., assignor.)
Hyland, Frank J., Jacksonville, Fla., assignor of one-tenth to G. P. Kimmer, Washington, D. C. Automatically-tiltable windshield. 1,798,087; Mar. 24.
Hyland, John L., New York, N. Y. Lifeboat-launching apparatus. 1,789,551; Jan. 20.
Hyland, Lawrence A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Power supply for thermionic tubes. 1,821,262; Sept. 1.
Hyland, Lawrence A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. High frequency stabilizer. 1,822,812; Sept. 8.
Hyle, Jacob A., Los Angeles, Calif., and M. Franks, Chicago, Ill., assignors to Continental Railway Supply Corporation. Rail anchor for railways. Re17,999; Mar. 10.
Hyman, Harris, Brooklyn, N. Y. Plaque or similar article. Des. 85,614; Nov. 24.
Hyman, Henry. (See Muldoon, Bernard F., assignor.)
Hyman, Henry. (See Seuffert, Joseph F., assignor.)
Hyman, Julius. (See Osterstrom, R. C., Hyman, and Wagner.)
Hyman, Julius, and A. F. Schlandt, assignors to The Pure Oil Company, Chicago, Ill. Breaking petroleum emulsions. 1,800,887; Apr. 14.
Hyman, Julius, and A. F. Schlandt, assignors to The Pure Oil Company, Chicago, Ill. Treating petroleum emulsions. 1,811,177; June 23.
Hynan, Arthur C., assignor to R. N. Burton, Chicago, Ill. Demountable wheel. 1,814,161; July 14.
Hynd, John. (See Hamilton, J., and Hynd.)
Hynes & Cox Electric Corporation. (See Hynes, Lee P., assignor.)
Hynes, Dibrell P. (See Mears, N. A., and Hynes.)
Hynes, Dibrell P., assignor to Chicago, Forging & Manufacturing Company, Chicago, Ill. Window curtain support. 1,803,707; May 5.
Hynes, Dibrell P., and E. R. Johnson, assignors to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood latch. 1,820,665; Aug. 25.
Hynes, Dibrell P., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood latch. 1,824,895; Sept. 29.
Hynes, Dibrell P., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood latch. 1,829,447; Oct. 27.
Hynes, Dibrell P., and N. A. Mears, assignors to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood latch. 1,831,494; Nov. 10.
Hynes, Lee P., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Electric heating system. 1,788,107; Jan. 6.
Hynes, Lee P., Albany, assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Bus heating system. 1,804,875; May 12.
Hynes, Lee P., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Bus heating system. 1,824,820; Sept. 29.
Hynes, Lee P., assignor to Hynes & Cox Electric Corporation, Albany, N. Y. Electric water heater. 1,827,087; Oct. 13.
Hynes, Lee P., assignor, by mesne assignments, to Consolidated Car Heating Company, Inc., Albany, N. Y. Bus heating system. 1,830,658; Nov. 3.
Hypes, Joseph, assignor by mesne assignments to Indianapolis Cage Corporation, Indianapolis, Ind. Bird-cage fastener. 1,800,798; Apr. 14.
Hysing, Erik G. (See Weibull, E. H. W., and Hysing.)
Hysing, Erik G., assignor to Aktiebolaget Nordiska Armaturfabrikerna, Stockholm, Sweden. Arrangement in striking tool. 1,796,371; Mar. 17.
Hytken, Max, Ruleville, Miss. Sealable container. 1,804,343; May 5.
I. G. Farbenindustrie Aktiengesellschaft. (See Andrussow, L., and Duerr, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Balle, G., Lange, and Ost, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Balz, O., and Wagner, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Beck, A., Schmidt, and Schreiber, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Bernard, Hanns, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Bernhard, E., and Kunze, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Biltz, Wilhelm, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Binapfl, J., and Krey, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Bockmuhl, M., and Knoll, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Brode, Johannes, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Brode, J., and Wurster, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Buelow, Wolfgang, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Busch, Werner, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Busch, W., and Nonck, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Dachlauer, K., and Thiel, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See de Ridder, Ernest, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Dobmaier, Karl, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Doerinckel. F., and Schliemann, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Dörr, E., Leuchs, and Rosenthal, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Doser, A., and Thauss, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ebert, G., Fries, and Reppe, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Eckell, Johannes, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Eggert, J., and Schmidt, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Einsler, O., and Tietz, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Eisele, J., Griessbach, and Heuck, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Eisenhut, Otto, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Elias, Albert, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Eller, W., and Hofstadt, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Engelhardt, Rudolf, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ernst, O., and Lange, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Espig, H., and Teubner, assignors).
I. G. Farbenindustrie Aktiengesellschaft. (See Feiler, Paul, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Fendt, E., and Schörge, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Finkelstein, Hans, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Frank, K., and Dietz., assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Freytag, Helmuth, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Frick, Friedrich, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Friederich, Alfred, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Frowein, F., and Rahlfs, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Galle, E., and Zorn, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Gaus, Wilhelm, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Gaus, W., Mittasch, and Schlecht, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Gaus, W., and Wild, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Goldberg, R., and Schmitt, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Gramberg, Anton, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Griessbach, R., and Ambros., assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Griessbach, R., and Koch, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Guenther, F., Teller, Immerheiser and Zschimmer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Günther, F., Hopff, and Schuster, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Günther, Fritz, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Gutensohn, Richard, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Guthke, F. W., and Pungs, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hagedorn, M., and Ossenbrunner, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hagedorn, M., and Reichert, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Haller, Josef, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hansen, Christian, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Harteneck, Aenne, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Heimann, H., and Seebohm, assignors.)
I. G. Farbenindustrie, Aktiengesellschaft. (See Henglein, Friedrich A., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Henle, Franz., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Heuck, C., and Enderlein, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hochheim, E., and Schubardt, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hofmann. F., and Otto, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hopff, Heinrich, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Huber, Eugen, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Immerheiser, C., and Knebel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Jaeger, M., and Espig, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Jaeger, M., Pokorny, and Gossrau, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Jänecke, E. Klippel, and Hegelmann, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Jannek, J., and Göhre, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Jochheim, Hermann, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Jonas, O., Weger, and Trebitz, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kämpf, Adolf, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kaufmann, Hans P., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Keunecke, Emil, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Klemenc, A., and Schoeller, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Koppe, Paul, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Koppe, P., and Robbel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kramer, O., and Bub, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kränzlein, G., and Voss, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Krauch C., and Müller-Cunradi, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Krech, Rudolph, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kröner, Gerhard, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kröner, G., and Stauf, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kropp, Walter, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Lang, Hermann, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Laux, Julius, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Lecher, H., and Koch, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Legeler, E., and Fischer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Legeler, E., and Kob, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Linckh, E., and Haeuber, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Lindner, F., and Link, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Lock, Ludwig, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Loehr, Oskar, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Lommel, W., Goost, and Friedrich, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Luther, M., and Beller, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Luther, M., and Heuck, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Luther, M., Pungs, Griessbach, and Heuck, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Luther, M., and Wille, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Luther, M., and Willfroth, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Madlung, Totilla, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Marx, K., Behncke, and Brodersen, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Marx, K., Behncke, and Zobel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Menger, Adolf, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Menking, Heinz, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Michael, W., and Haag, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Michel, Richard, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Mittasch, A., Frankenburger, and Wietzel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Mittasch, A., Lucas, and Griessbach, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Mittasch, A., and Müller, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Mittasch, A., Pier, and Müller, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Mittasch, A., and Schlecht, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Mond, Albert L., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Müller-Cunradi, Martin, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Muller-Cunradi, M., and Kossuth, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Neudlinger, Karl, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Nicodemus, Otto, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Noack, E., Nitzschke, and Pfleiderer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Nusslein, Joseph, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Opfermann, Erich, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ott, K., and Schuessler, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pansegrau, Ernst, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pauckener, G., and Huettner, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Petersen, I., and Engelbrecht, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pfannenstiel, A., and Kautsky, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pfleiderer, Georg, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, Mathias, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., Biesler, and Eisenhut, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., Wietzel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., Wietzel, and Engel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pistor, Gustav, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pistor, G., Suchy, and Reubke, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pokorny, Ernst, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Posth, W., and Besemann, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pungs, W., and Behringer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pungs, W., Eisenmann, and Kuchenbuch, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Reppe, Walter, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Reubke, Emil, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Richter, A., and Schäfer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Richter, Erich, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ripke, Otto, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Rösch, G., and Bauer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Rosenthal, L., and Kropp, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Rotger, H., and Stoewener, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Roth, Karl, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ruppert, August, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Samesreuther, Richard, and Kranzlein, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schirmacher, K., and van Zütphen, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schlecht, L., and Roetger, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schlecht, L., and Schubardt, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schlecht, L., Schubardt, and Duftschmid, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schleicher, F., Schwaebel, and Briesewitz, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, Hans, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, O., and Grosskinsky, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, O., Seydel, and Roh, assigors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, O., and Ufer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, Walther, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schneider, Christian, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schnitzler, Eduard, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schoenburg, C., and von der Bruck, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schuette, Hermann, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Seidel, Walter, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Seidel, W., and Fingado, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Steimmig, Gerhard, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Steimmig, G., and Ulrich, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Stoewener, Fritz, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Suchy, R., and Schulze, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Suchy, R., Staib, and Moschel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Suida, Hermann, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Teufel, Konrad, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Teupel, Ernst, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Tochtermann, Hans, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Tochtermann, H., and Heuck, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Tschunkur, E., and Meis, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Vierling, Karl, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Voss, Arthur, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Walter, W., and Lock, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Weise, Paul, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Weise, P., and Specht, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Wietzel, R., Speer, and Kaehler, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Wild, W., and Wietzel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Winkler, F., and Messerknecht, assignors.)
I. T. S. Rubber Company Limited. (See East, Frederick W., assignor.)
Iacovino, Paul, Utica, N. Y. Perambulator attachment. 1,817,412; Aug. 4.
Iapadre, Rosario G., New Kensington, Pa. Interchangeable sound conductor for phonographs. 1,836,324; Dec. 15.
Ibell, Richard, Newton Square, Pa., assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Folding machine roll. 1,831,250; Nov. 10.
Iceberg Manufacturing Company. (See Sundeen, Caleb A., assignor.)
Ice Cream Cone Machinery Inc. (See Schroeder, C., and Tatosian, assignors.)
Ice Cream Cone Machinery, Inc. (See Tatosian, Harry G., assignor.)
Ice Cream Smack Products Co. (See Myers, Wilson R., assignor.)
Ichijyo, Kuranosuke, Sacramento, Calif. Fruit cutting knife. 1,821,971; Sept. 8.
Ichio, Tatsuo H., San Francisco, Calif. Vehicle signalling window. 1,820,456; Aug. 25.
Icke, Stanley C. (See Sharp, Bertie, assignor.)
Iddings, Roscoe C., assignor to The Fyr-Fyter Company, Dayton, Ohio. Fire extinguisher. 1,824,599; Sept. 22.
Ide, Harry H., assignor to American Electric Company, Inc., Chicago, Ill. Transmitter suspension arm. 1,806,903; May 26.
Ideal Belgian Fur Dyeing Company. (See Pierini, Erasmo, assignor.)
Ideal Lighting Novelty Co. (See Brettler, Harry, assignor.)
Ideal Lubricator Company. (See Carpenter, Youel V., assignor.)
Ideal Manufacturing Company. (See Arlt, John L., assignor.)
Ideal Novelty & Toy Co. (See Sanders, Maurice, assignor.)
Ideal Werke Aktiengesellschaft für drahtlose Telephone. (See Munsch, Hans, assignor.)
Ideal Wrapping Machine Company. (See Sergent, Walter H., assignor.)
Idel, Hermann, assignor to Demag Aktiengesellschaft, Duisburg, Germany. Tube finishing or straightening rolling mill. 1,791,869; Feb. 10.
Idemitsu, Hiroshi. (See Takimizu, S., and Idemitsu.)
Identograph Company, The. (See Satterlee, Henry S., assignor.)
Ielfield, August, Silver Creek, assignor to Ielfield Postal Supply Co., Inc., Forestville, N. Y. Mail distributing machine. 1,823,741; Sept. 15.
Ielfield Postal Supply Co. (See Ielfield, August, assignor.)
Iglehart, Richard S., assignor to The Bauer Brothers Company, Springfield, Ohio. Grinding mill. 1,792,841; Feb. 17.
Iglehart, Richard S., assignor to The Bauer Brothers Company, Springfield, Ohio. Locking device. 1,816,222; July 28.
Iglehart, Richard S., assignor to The Bauer Brothers Company, Springfield, Ohio. Grinding mill. 1,827,986; Oct. 20.
Igou, Dennis T. (See Stover, Frank E., assignor.)
Igou, Dennis T., et al. (See Stover, Frank E., assignor.)
Ihde, August F., assignor to Fedders Mfg. Co., Buffalo, N. Y. Radiator mounting. 1,834,709; Dec. 1.
Ihrig, Harry K., Martinez, assignor of one-half to S. E. Campbell, Associated, Calif. Making aromatic nitro compounds. 1,838,311; Dec. 29.
Ihrig, Henry, Lansing, assignor to General Motors Corporation, Detroit, Mich. Rubber cushion shackle. 1,826,400; Oct. 6.
Ihsen, Arthur H., Pittsburgh, Pa. Tube cutter. 1,835,651; Dec. 8.
Ikarus Internationale Patentverwertungs-Aktien-Gesellschaft. (See Hugershoff, Reinhard, assignor.)
Ilg Electric Ventilating Company. (See Frank, J. M., and Stack, assignors.)
Ilg Electric Ventilating Company. (See Sutcliffe, Arthur G., assignor.)
Ilg Electric Ventilating Company. (See Tucker, Frank N., assignor.)
Ilgenfritz, Curtis B., Pittsburgh, Pa. Liquid dispenser or similar article. Des. 83,612; Mar. 10.

Ilgenfritz, Curtis B., assignor to United States Glass Company, Pittsburgh, Pa. Liquid dispenser or similar article. Des. 83,106; Jan. 20.
Ilgenfritz, Curtis B., assignor to United States Glass Company, Pittsburgh, Pa. Liquid dispenser or similar article. Des. 83,611; Mar. 10.
Iliovici, Avram D., Paris, France, assignor by mesne assignments to General Electric Company. Electric measuring and protecting device. 1,816,778; July 28.
Illingworth Carbonization Company, The. (See Illingworth, Stewart R., assignor.)
Illingworth, Stewart R., Brynfedwen, Radyr, assignor to The Illingworth Carbonization Company, Limited, Manchester, England. Apparatus for the manufacture of carbonized fuel. 1,800,633; Apr. 14.
Illingworth, William H. (See Illingworth, W. and W. H.)
Illingworth, William and W. H., Scarborough, Ontario, Canada. Turntable. 1,828,414; Oct. 20.
Illinois Cosmetics Co. (See Roberts, Benjamin T., assignor.)
Illinois Pacific Coast Company. (See Boschin, Walter, assignor.)
Illinois Pacific Glass Corporation. (See Rosenstein, Otto, assignor.)
Illinois Railway Equipment Company. (See Harbert, Victor H., assignor.)
Illinois Railway Equipment Company. (See Johnson, Malcolm S., assignor.)
Illinois Railway Equipment Company. (See Moody, William O., assignor.)
Illinois Supply Company. (See Divekey, Harvey J., assignor.)
Illinois Tool Works. (See Olson, Carl G., assignor.)
Illinois Tool Works. (See Swanson, Andrew W., assignor.)
Illinois Watch Case Company. (See Greenway, Samuel J., assignor.)
Illinois Watch Case Company. (See Hill, Herbert M., assignor.)
Illinois Watch Case Company. (See Irelan, Ellison S., assignor.)
Illinois Watch Case Company. (See Pretot, Harry V., assignor.)
Illinois Zinc Company. (See Wemple, L. E., and Warren, assignors.)
Illuminated Arrow Corporation. (See Carey, Harry L., assignor.)
Ilnicki, Klemens, Stryj, Poland. Heat-transmitting support for cooking utensils. 1,827,816; Oct. 20.
Imai, Gosuke. (See Nagai, S., and Kawamura, assignors.)
Imas, Sanitago, et al. (See Bulgarini, Luis, assignor.)
Imbert, Georges, Diemeringen, France. Gas producer. 1,821,263; Sept. 1.
Imblum Aeronautical Company. (See Imblum, Leo, assignor.)
Imblum, Leo, assignor to Imblum Aeronautical Company, Pueblo, Colo. Internal combustion engine. 1,817,375; Aug. 4.
Imbus, Alphonse E., Cincinnati, Ohio, assignor, by mesne assignments, to United Autographic Register Co., Chicago, Ill. Multiple-wound-roll stationery and using same. 1,797,775; Mar. 24.
Imel, Cassius E., and R. E. Barker, Erie, Colo. Beet harvester. 1,813,354; July 7.
Imes, Elmer S. (See Burrows, C. W., and Imes.)
Imes, Elmer S. (See Work, L. T., Imes, and Everett.)
Imes, Elmer S., Jersey City, N. J., assignor, by mesne assignments, to Magnetic Analysis Corporation, Long Island City, N. Y. Method of and apparatus for testing magnetizable objects. 1,807,411; May 26.
Imhofe, Robert H. and A. L. Humphrey, assignors to Rex-Watson Corporation, Canastota, N. Y. Drawbar construction. 1,802,257; Apr. 21.
Imhof, Alfred, Hongg, near Zurich, Switzerland. Leading-in insulator. 1,825,905; Oct. 6.
Imhoff, Arthur B., et al. (See Bagge, E., and Imhoff, assignors.)
Imhoff, Karl. (See Imhoff, K., Fries, and Sierp, assignors.)
Imhoff, Karl, Essen, Germany. Sewage treatment. 1,820,976; Sept. 1.
Imhoff, Karl, Essen, Germany. Complete sewage treatment plant with submerged contact aerators. 1,820,977; Sept. 1.
Imhoff, Karl, Essen, Germany. Digestion of coarse matters left on sewage screens in the sewage treatment. 1,820,978; Sept. 1.
Imhoff, Karl, F. Fries, and F. Sierp, Essen, Germany; said Fries and Sierp, assignor of said Karl Imhoff. Aeration tank for sewage treatment by activated sludge. 1,797,147; Mar. 17.
Immerheiser, Carl. (See Guenther, F., Teller, Immerheiser and Zschimmer.)
Immerheiser, Carl, and E. Knebel, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of colored cellulose plastics and solutions thereof. 1,830,944; Nov. 10.
Impactgraph Corporation. (See Baskerville, John B., assignor.)
Imperator Hestesko A/S. (See Harsem, Peter A., assignor.)
Imperial Brass Manufacturing Company, The. (See Dobrick, August C., assignor.)
Imperial Chemical Industries Limited. (See Brightman, Rainald, assignor.)
Imperial Chemical Industries Limited. (See Chapman, Ernest, assignor.)
Imperial Chemical Industries Limited. (See Davidson, Alfred, assignor.)
Imperial Chemical Industries Limited. (See Freeman, Sterry B., assignor.)
Imperial Chemical Industries Limited. (See Gordon, Kenneth, assignor.)
Imperial Chemical Industries Limited. (See Moore, J. W., and Lamble, assignors.)
Imperial Chemical Industries Ltd. (See Park, James R., assignor.)
Imperial Chemical Industries Limited. (See Prentice, Arthur T., assignor.)
Imperial Chemical Industries Limited. (See Tyrer, Daniel, assignor.)
Imperial Chemical Industries Limited. (See Warren, Thomas R., assignor.)
Imperial Dry Plate Company Limited, The. (See Gaseltine, Herbert T., assignor.)
Imperial Irrigation District. (See Clark, A. C., and Graves, assignors.)
Imperial Knife Company. (See Vossler, Henry, assignor.)
Imperial Oil & Gas Products Company. (See Rumbarger, Bradley W., assignor.)
Impey, John R., San Francisco, Calif. Dental handpiece. 1,834,157; Dec. 1.
Impreva Holzimpragnierung und Holzverwertung Aktiengesellschaft. (See Himmelsbach, F., and Tormin, assignor.)
Improved Fire Detector Corporation. (See Brady, George H., assignor.)
Imrie, John H., Plymouth, Pa. Display bracket. 1,800,075; Apr. 7.
Imus, James H., Pendleton, Oreg. Weeder. 1,829,934; Nov. 3.
Inami, Yaichiro, Los Angeles, Calif. Permanent fish lure. 1,787,908; Jan. 6.
Inca Manufacturing Corporation. (See Connor, Robert A., assignor.)
Indech, Morris. (See Mocking, J. N., and Indech.)
Inden, Hubert, Dusseldorf, Germany. Making double-cone socket joints. 1,794,407; Mar. 3.
Independent Die & Supply Co. (See Cadenbach, Christian A., assignor.)
Independent Lock Company. (See Crabtree, Thomas, assignor.)
Independent Lock Company. (See MacGuire, Andrew A., assignor.)
Independent Macaroni Company, The. (See Patrono, F., and Di Bari, assignors.)
Independent Oil Well Cementing Company. (See Trouth, John E., assignor.)
Independent Pneumatic Tool Company. (See Hultquist, Charles A., assignor.)
Independent Pneumatic Tool Company. (See Levedahl, Axel, assignor.)
Independent Pneumatic Tool Company. (See McKenny, Edward C., assignor.)
Indera Mills Company. (See Martin, Charles L., assignor.)
Indestro Mfg. Co. (See Rice, Harold G., assignor.)
Indge, Herbert S. (See Player, S., and Indge.)
Indge, Herbert S., Westboro, assignor, by mesne assignments, to Norton Company, Worcester, Mass., Internal lapping machine. 1,836,121; Dec. 15.
Indge, Herbert S., and S. Player, Westboro, assignors to Norton Company, Worcester, Mass. Lapping machine. 1,831,958; Nov. 17.
India Rubber, Gutta Percha & Telegraph Works Company Limited, The. (See Turpin, Geoffrey E., assignor.)
Indian Archery & Toy Corporation. (See Brading, Harry M., assignor.)
Indian Motorcycle Company. (See Franklin, C. B., and Fronk, assignors.)
Indian Refining Company. (See Govers, Francis X., assignor.)
Indian Splint Inc. (See Leach, John T., assignor.)
Indiana Canning Machinery Company. (See Lindley, Stacey B., assignor.)
Indiana Fibre Products Company. (See Simmons, Paul R., assignor.)
Indiana Glass Company, The. (See Clark, Jeddia B., assignor.)
Indiana Lamp Corporation. (See Albright, Edward C., assignor.)
Indiana Lamp Corporation. (See Hyatt, Samuel W., assignor.)
Indiana Lamp Corporation. (See Neuner, Frederick W. C., assignor.)
Indiana Steel & Wire Company. (See Fowle, Frank F., assignor.)
Indianapolis Cage Corporation. (See Hypes, Joseph, assignor.)
Indianapolis Wire Bound Box Company. (See Wahl, George C., assignor.)
Individual Drinking Cup Company. (See Dufour, Germaine, assignor.)
Individual Drinking Cup Company. (See Gregory, Harold D., assignor.)
Individual Drinking Cup Company. (See Opitz, Bernhard O., assignor.)

Individual Drinking Cup Company. (See Ringler, William A., assignor.)
Individual Drinking Cup Company. (See Soulis, Wilbur T., assignor.)
Industrial Associates, Inc. (See Jones, Arthur B., assignor.)
Industrial Associates, Incorporated. (See Riley, Champlain L., assignor.)
Industrial Development Corporation. (See Wilkins, Richard A., assignor.)
Industrial Development & Manufacturing Corporation. (See White, William C., assignor.)
Industrial Dryer Corporation. (See Harris, Gordon D., assignor.)
Industrial Furnace Corporation. (See Breaker, Harry O., assignor.)
Industrial Furnace Corporation. (See Hayes, Anson, assignor.)
Industrial Patents Corporation. (See Duffey, C. B., and Wade, assignors.)
Industrial Patents Corporation. (See Gaebler, Alexander H., assignor.)
Industrial Patents Corporation. (See Gilbreth, George E., assignor.)
Industrial Patents Corporation. (See Johnson, Frank J., assignor.)
Industrial Patents Corporation. (See McKee, H. H., and Walter, assignors.)
Industrial Patents Corporation. (See Schulis, Vincent, assignor.)
Industrial Patents Corporation. (See Yoder, Benjamin H., assignor.)
Industrial Process Company. (See Goodwin, N., and Mumper, assignors.)
Industrial Processes Development, Limited. (See Atack, Frederick W., assignor.)
Industrial Research Corporation. (See Davies, Henry R., assignor.)
Industrial Research Company. (See Joffé, Abraham, assignor.)
Industrial Research Corporation. (See Huntley, Ernest R., assignor.)
Industrial Silica Corporation. (See Smith, Harry H., assignor.)
Industrial Solvents, Inc. (See Cochran, Morey D., assignor.)
Industrial & Utility Conveyor Company. (See Bernert, George, assignor.)
Industrial Welded Alloys Inc. (See Johnson, Wallace C., assignor.)
Industries of America, Inc. (See Robinson, Harry G., assignor.)
Inecto, Inc. (See Mills, James E., assignor.)
Ingalls, Henry A., Bakersfield, Calif. Road treating apparatus. 1,807,412; May 26.
Ingalls, John G. (See Ellsworth, L. J., and Ingalls.)
Ingalls, Ralph T. (See Rasmussen, Charles, assignor.)
Ingalls Steel Products Company. (See Lucy, Thomas A., assignor.)
Ingalls, Willis A., Syracuse, N. Y. Knitting machine. 1,829,094; Oct. 27.
Ingebrigtsen, Brynjulf H., Oslo, Norway. Apparatus to control hearing. 1,837,868; Dec. 22.
Ingersoll, George B., Dearborn, Mich. Filter. 1,797,198; Mar. 17.
Ingersoll, Howard L., Stamford, Conn. Locomotive. 1,810,709; June 16.
Ingersoll, Howard L., Stamford, Conn. Electric locomotive. 1,827,817; Oct. 20.
Ingersoll Magnetic Lock Company. (See Dorsey, B. L., and Ingersoll, assignors.)
Ingersoll Milling Machine Company, The. (See Jacobs, Arthur E., assignor.)
Ingersoll Milling Machine Company, The. (See Knight, W. H., and Waldsmith, assignors.)
Ingersoll Milling Machine Company, The. (See Lyon, Arthur H., assignor.)
Ingersoll Milling Machine Company, The. (See Lyon, A. H., and Hanitz, assignors.)
Ingersoll Milling Machine Company, The. (See Monosmith, Le Roy B., assignor.)
Ingersoll Milling Machine Company, The. (See Oberhoffken, A., and Bowen, assignors.)
Ingersoll Milling Machine Company, The. (See Sproul, William C., assignor.)
Ingersoll, Thomas S. (See Dorsey, B. L., and Ingersoll.)
Ingersoll-Rand Company. (See Baker, Charles S., assignor.)
Ingersoll-Rand Company. (See Bancel, Paul A., assignor.)
Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)
Ingersoll-Rand Company. (See Cousins, George T., assignor.)
Ingersoll-Rand Company. (See Curtis, John C., assignor.)
Ingersoll-Rand Company. (See Haight, Harry V., assignor.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Huff, Leslie R., assignor.)
Ingersoll-Rand Company. (See Hulshizer, George W., assignor.)
Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)
Ingersoll-Rand Company. (See Jowett, James H., assignor.)
Ingersoll-Rand Company. (See Kirgan, John, assignor.)
Ingersoll-Rand Company. (See Larson, Charles, assignor.)
Ingersoll-Rand Company. (See Lear, Earl B., assignor.)
Ingersoll-Rand Company. (See Lemp, Hermann, assignor.)
Ingersoll-Rand Company. (See Le Valley, John, assignor.)
Ingersoll-Rand Company. (See Markley, Edward H., assignor.)
Ingersoll-Rand Company. (See McAllister, Raymond C., assignor.)
Ingersoll-Rand Company. (See Metzgar, Chester W., assignor.)
Ingersoll-Rand Company. (See Miller, Ralph, assignor.)
Ingersoll-Rand Company. (See Mock, John F., assignor.)
Ingersoll-Rand Company. (See Moore, Raymond P., assignor.)
Ingersoll-Rand Company. (See Murphy, Thomas L., assignor.)
Ingersoll-Rand Company. (See Parsons, Frederick W., assignor.)
Ingersoll-Rand Company. (See Peters, Arthur E., assignor.)
Ingersoll-Rand Company. (See Prellwitz, William, assignor.)
Ingersoll-Rand Company. (See Prellwitz, W., and Wilhelm, assignors.)
Ingersoll-Rand Company et al. (See Rathbun, George J., assignor.)
Ingersoll-Rand Company. (See Rutter, John A., assignor.)
Ingersoll-Rand Company. (See Shepherd, Benjamin F., assignor.)
Ingersoll-Rand Company. (See Sherzer, Allen F., assignor.)
Ingersoll-Rand Company. (See Shook, James F., assignor.)
Ingersoll-Rand Company. (See Simmons, Charles W., assignor.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
Ingersoll-Rand Company. (See Smith, William A., assignor.)
Ingersoll-Rand Company. (See Smith, William A., jr., assignor.)
Ingersoll-Rand Company. (See Smith, William A., sr., assignor.)
Ingersoll-Rand Company. (See Smith, W. A., jr., and Fuehrer, assignors.)
Ingersoll-Rand Company. (See Smith, W. A., sr., and Thomas, assignors.)
Ingersoll-Rand Company. (See Smith, William A., sr., and W. A., jr.)
Ingersoll-Rand Company. (See Smith, W. A., sr., and W. A., jr., assignors.)
Ingersoll-Rand Company. (See Terry, Edward F., assignor.)
Ingersoll-Rand Company. (See Williams, Peter A., assignor.)
Ingham, George R., Ajo, Ariz. Steam shovel safety attachment. 1,811,581; June 23.
Ingham, Mark, Lowell, Mass. Cap frame. 1,838,682; Dec. 29.
Ingham, William J., and J. Larouche, Nashua, N. H. Thread holding and trimming attachment for looms. 1,802,020; Apr. 21.
Ingison, Jay W., and A. Le Sueur, Minneapolis, Minn. Oil well heater. 1,835,400; Dec. 8.
Ingle, Edwin P. (See Newlin, George E., assignor.)
Ingle, Frank R., Coronado, Calif. Ash tray. 1,838,485; Dec. 29.
Inglis, Clarence S., Glyndon, Md. Window screen framing. 1,830,945; Nov. 10.
Ingoglia, Eugene, Brooklyn, N. Y. Bread mold. 1,801,160; Apr. 14.
Ingraham, E., Company, The. (See Carlson, Elof L., assignor.)
Ingraham, E., Company, The. (See Eylmann, Robert J., assignor.)
Ingraham, E., Company, The. (See Ingraham, Edward, assignor.)
Ingraham, E., Company, The. (See Simpson, John O., assignor.)
Ingraham, E., Company, The. (See Weindel, Fred, jr., assignor.)
Ingraham, Edward, assignor to The E. Ingraham Company, Bristol, Conn. Clock dial. Des. 85,239; Sept. 29.
Ingraham, Edwin S., Waterbury, assignor to The Blake ment for automatic screw machines. 1,796,790; Mar. 17.
Ingraham, Matthew W., North Sydney, Nova Scotia, Canada. Combination necktie and collar stud. 1,838,486; Dec. 29.
Ingraham, William F., jr. (See Bathen, J. A., and Ingraham.)
Ingram, Benjamin L., Menard, and W. H. De Long, Champaign, Ill. Door and window screen. 1,814,162; July 14.
Ingram, Harry, Brooklyn, N. Y. Receptacle-closure cap. 1,787,626; Jan. 6
Ingram, James W., San Francisco, Calif. Barber's comb. 1,811,271; June 23.
Ingram, Joseph R., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Age resisting vulcanized rubber compound. 1,816,851; Aug. 4.
Ingram, Pearl, Los Angeles, Calif. Bag handle. Des. 85,045; Sept. 8.

Ingram, William M. (See Cloud, Harry D., assignor.)
Ingram, William M. (See Cloud, H. D., and Ingram.)
Ingwersen, Otto L., Wayne, Nebr. Window ventilator. 1,796,105; Mar. 10.
Inhoffen, Walther. (See Hennemann, A., and Inhoffen.)
Inhoffen, Walther. (See Wetzell, C., and Inhoffen.)
Inland Glass Works, Inc. (See Allen, Joseph H., assignor.)
Inland Glass Works, Inc. (See Emerson, John, assignor.)
Inland Manufacturing Company, The. (See Chilton, Ralph H., assignor.)
Inland Manufacturing Company, The. (See Christman, Louis P., assignor.)
Inland Manufacturing Company. (See Geyer, Harvey D., assignor.)
Inland Manufacturing Co., The. (See Geyer, H. D., and Dill, assignors.)
Inland Manufacturing Company, The. (See Geyer, H. D., Flower, and Housekeeper, assignors.)
Inland Manufacturing Company, The. (See Geyer, H. D., and Sampson, assignors.)
Inland Manufacturing Company. (See Van Deventer, Harry R., assignor.)
Inland Rubber Company. (See La Jone, Nicholas, assignor.)
Inman, George E., East Cleveland, and W. P. Zabel, Cleveland Heights, Ohio, assignors to General Electric Company. Treating filaments. 1,834,781; Dec. 1.
Inman, Harry A., Newark, N. Y. Egg carton. 1,804,166; May 5.
Inman, Harry A., Newark, N. Y. Container. 1,805,870; May 19.
Inman, John N., jr. (See Davis, A. E., and Inman.)
Inman Manufacturing Company. (See Joslin, Frank M., assignor.)
Inman, Marcus T., jr. (See Fulton, K. H., and Inman.)
Inman, Ulysses A., Long Beach, Calif. Automobile spring. 1,809,851; June 16.
Innes, Edith K., Zion, Ill. Fork. 1,787,683; Jan. 6.
Innes, William R. D., assignor to James Bell & Co. Proprietary Limited, Melbourne, Australia. Hollow block. 1,799,014; Mar. 31.
Inslee, John A. (See Kosken, Wilho A., assignor.)
Insley Manufacturing Company. (See Schmid, Carl G., assignor.)
Inspiration Consolidated Copper Company. (See Aldrich, H. W., and Scott, assignors.)
Instant-Ice Corporation. (See Brown, John H., assignor.)
Instograph, Ltd. (See Alexander, E. Dutton, and Derrick, assignors.)
Instograph, Ltd. (See Derrick, George H., assignor.)
Insulated Concrete System, Ltd. (See Knipe, Leighton G., assignor.)
Insulated Top Company. (See Egler, Niklas F., assignor.)
Insulation Corporation, The. (See Bodman, Walter L., assignor.)
Insulex Corporation. (See Ashenhurst, Harold S., assignor)
Insulite Company, The. (See Ellis, George H., assignor.)
Intemann, Charles L. H. (See Intemann, Frederick W. and C. L. H.)
Intemann, Frederick W., Brooklyn, N. Y., and C. L. H. Intemann, Jersey City, N. J. Dispensing device for whipped cream and similar materials. 1,802,113; Apr. 21.
Intemann, William, Brooklyn, N. Y., assignor, by mesne assignments, to International Banding Machine Company. Plurality banding. 1,789,467; Jan. 20.
"Intercarbo Societe Anonyme pour la Carbonisation et La Traitement Catalytique des Combustibles. (See Bianchi, A. E., and Guardabassi, assignors.)
Intermetal Corporation. (See Fink, C. G., and Jennes, assignors.)
Intermetal Corporation. (See Jenness, Leslie G., assignor.)
International Air Brake Company. (See Doty, Wade, assignor.)
International Airex Ltd. (See Hunt, William V., assignor.)
International Association of Lions Clubs. (See Hill, Henry A., assignor.)
International Banding Machine Company. (See Intemann, William, assignor.)
International Banding Machine Company. (See Malocsay, Francis X., assignor.)
International Bitumenoil Corporation. (See Vandegrift, James N., assignor.)
International Business Machines Corporation. (See Craig, Robert, assignor.)
International Business Machines Corporation. (See Decker, S. K., Johnson, Davis, and Junor, assignors.)
International Business Machines Corporation. (See Locke, Edward B., assignor.)
International Business Machines Corporation. (See Mittendorf, William R., assignor.)
International Business Machines Corporation. (See Peirce, John R., assignor.)
International Business Machines Corporation. (See Wood, George R., assignor.)
International Carbonic Engineering Company. (See Rufener, H., and Eichmann, assignors.)
International Casement Company. (See Garratt, Frank G., assignor.)
International Cellucotton Products Co. (See Bauer, William, assignor.)
International Chromium Process Corporation. (See Simpson, Kenneth M., assignor.)
International Cigar Machinery Company. (See Beutel, Robert J., assignor.)
International Cigar Machinery Company. (See Carlson, Hjalmar E., assignor.)
International Cigar Machinery Company. (See Fitz Gerald, William T., assignor.)
International Cigar Machinery Company. (See Gladeck, Frederick C., assignor.)
International Cigar Machinery Company. (See Halstead, John F., assignor.)
International Cigar Machinery Company. (See Hanson, Victor G., assignor.)
International Cigar Machinery Company. (See Rundell, Rupert E., assignor.)
International Cigar Machinery Company. (See Schussler, Walter H., assignor.)
International Cigar Machinery Company. (See Wheeler, Henry H., assignor.)
International Coal Carbonization Company. (See Runge, Walter, assignor.)
International Coal Carbonization Company. (See Runge, W., and Packard, assignors.)
International Combination Engineering Corporation. (See Frisch, M., and Lundgren, assignors.)
International Combustion Engineering Corporation. (See Blanton, Hennen J., assignor.)
International Combustion Engineering Corporation. (See Caracristi, Virginius Z., assignor.)
International Combustion Engineering Corporation. (See Csandy, Dejoe, assignor.)
International Combustion Engineering Corporation. (See De Lorenzi, Otto, assignor.)
International Combustion Engineering Corporation. (See Jackson, George P., assignor.)
International Combustion Engineering Corporation. (See Jacques, Stanley A., assignor.)
International Combustion Engineering Corporation. (See Kreisinger, Henry, assignor.)
International Combustion Engineering Corporation. (See Kruse, John R., assignor.)
International Combustion Engineering Corporation. (See Ladd, Tallman, assignor.)
International Combustion Engineering Corporation. (See Lundgren, Edwin, assignor.)
International Combustion Engineering Corporation. (See Marshall, Leonard J., assignor.)
International Combustion Engineering Corporation. (See Rosencrants, Fay H., assignor.)
International Combustion Engineering Corporation. (See Rühr, Arnold, assignor.)
International Combustion Engineering Corporation. (See Van Brunt, John, assignor.)
International Combustion Engineering Corporation. (See Van Brunt, J. Kreisinger, and Bernhard, assignors.)
International Combustion Engineering Corporation. (See Weigel, Albert C., assignor.)
International Combustion Engineering Corporation. (See Wood, Wilfred R., assignor.)
International Combustion Engineering Corporation. (See Zinkernagel, Richard, assignor.)
International Communications Laboratories Incorporated. (See Bumstead, Ralph W., assignor.)
International Communications Laboratories, Incorporated. (See Cassedy, William F., jr., assignor.)
International Communications Laboratories, Inc. (See Connery, Alder F., assignor.)
International Communications Laboratories, Inc. (See Connery, A. F., and Wishart, assignors.)
International Communications Laboratories Inc. (See Depriester, Raymond, assignor.)
International Communications Laboratories, Inc. (See Fricke, Jackson C., assignor.)
International Communications Laboratories, Inc. (See Hitt, Parker, assignor.)
International Communications Laboratories, Incorporated. (See Kerr, Mark B., assignor.)
International Communications Laboratories Incorporated. (See Putnam, Ralph E. A., assignor.)
International Communications Laboratories, Inc. (See Soler, Carlos, assignor.)
International Communications Laboratories, Inc. (See Woodward, Marion H., assignor.)
International Couplers Co. (See White, Walter C., assignor.)
International Davit & Manufacturing Corporation. (See Lyda, Arthur W., assignor.)
International Dry Refrigeration Corporation. (See Gordon, Samuel, assignor.)
International Fibreboard Limited. (See Wiser, Henry J., assignor.)
International Filter Company. (See Green, Walter H., assignor.)
International Fire Equipment Corporation. (See Old, Clayton W., assignor.)
International Fireproof Products Corporation. (See Vivas, Fernando S., assignor.)
International Harvester Company. (See Baker, D. B., Crumb, and Watchek, assignors.)
International Harvester Company. (See Beall, William L., assignor.)
International Harvester Company. (See Benjamin, Bert R., assignor.)

International Harvester Company. (See Benjamin, B. R., and Pearson, assignors.)
International Harvester Company. (See Burger, Leopold F., assignor.)
International Harvester Company. (See Cady, Sherman W., assignor.)
International Harvester Company. (See Calling, John, assignor.)
International Harvester Company. (See Dennis, Samuel K., assignor.)
International Harvester Company. (See Derr, Harry E., sr., assignor.)
International Harvester Company. (See Engstrom, Gustaf W., assignor.)
International Harvester Company. (See Gallagher, Arthur D., assignor.)
International Harvester Company. (See Graham, M. J., and Holsey, assignors.)
International Harvester Company. (See Graham, William S., assignor.)
International Harvester Company. (See Hammer, Gustaf W., assignor.)
International Harvester Company. (See Hand, Frederick E., assignor.)
International Harvester Company. (See Johnson, Arnold E. W., assignor.)
International Harvester Company. (See Johnston, Edward A., assignor.)
International Harvester Company. (See Johnston, E. A., and Baker, assignors.)
International Harvester Company. (See Johnston, E. A., Baker, and Ake, assignors.)
International Harvester Company. (See Keith, R. R., Bundy, and Selzer, assignors.)
International Harvester Company. (See Kipp, R. H., and Thompson, assignors.)
International Harvester Company. (See Kowalsky, Andrew, assignor.)
International Harvester Company. (See Kranich, Frank N. G., assignor.)
International Harvester Company. (See Lassagne, Victor F., assignor.)
International Harvester Company. (See Lindgren, Alexus C., assignor.)
International Harvester Company. (See Lindgren, A. C., and Gallagher, assignors.)
International Harvester Company. (See Lindgren, A. C., and Hipple, assignors.)
International Harvester Company. (See Maier, Carl E., assignor.)
International Harvester Company. (See Mears, Henry S., assignor.)
International Harvester Company. (See Mohr, Albert F., assignor.)
International Harvester Company. (See Morrill, Lewis H., assignor.)
International Harvester Company. (See Pearson, Charles, assignor.)
International Harvester Company. (See Peterson, Walter R., assignor.)
International Harvester Company. (See Pinson, James H., assignor.)
International Harvester Company. (See Raney, C. R., and Johnson, assignors.)
International Harvester Company. (See Raney, C. R., and Mitchell, assignors.)
International Harvester Company. (See Robinson, Charles W., assignor.)
International Harvester Company. (See Robinson, C. W., and Dwyer, assignors.)
International Harvester Company. (See Ronning, Andrean G. and A., assignors.)
International Harvester Company. (See Sandstrom, Felix C., assignor.)
International Harvester Company. (See Scarlett, Arthur A., assignor.)
International Harvester Company. (See Smith, Daniel W., assignor.)
International Harvester Company. (See Smith, Ernest C., assignor.)
International Harvester Company. (See Sperry, Leonard B., assignor.)
International Harvester Company. (See Uherek, Charles A., assignor.)
International Harvester Company. (See Walker, Earl C., assignor.)
International Harvester Company. (See Watling, W. P., and Small, assignors.)
International Harvester Company. (See Wells, R. C., and Koelpin, assignors.
International Harvester Company. (See Welty, Albert B., assignor.)
International Harvester Company. (See Wessman, Arnt W., assignor.)
International Insect Destroyer Manufacturing Company. (See Van Kessel, G. C., and Lindgren, assignors.)
International Life Saving Water Making Cup Corporation. (See Armbrust, Charles W., assignor.)
International Mailing Tube and Wrapper Company. (See Greve, Herman L., assignor.)
International Motor Company. (See Anderson, Robert G., assignor.)
International Motor Company. (See Bernard, H., and Ronco, assignors.)
International Motor Company. (See Davis, Floyd E., assignor.)
International Motor Company. (See Froesch, Charles, assignor.)
International Motor Company. (See Gurney, Erving R., assignor.)
International Motor Company. (See Hewitt, Edward R., assignor.)
International Motor Company. (See Horine, Merrill C., assignor.)
International Motor Company. (See Hubbs, Frederick E., assignor.)
International Motor Company. (See Josephs, Lyman C., jr, assignor.)
International Motor Company. (See Josephs, L. C., jr., and Gurney, assignors.)
International Motor Company. (See Jupp, W. B., and Queeney, assignors.)
International Motor Company. (See Jupp, William B., assignor.)
International Motor Company. (See Jupp, W. B., and Anderson, assignors.)
International Motor Company. (See Leipert, August H., assignor.)
International Motor Company. (See Leipert, Edward, assignor.)
International Motor Company. (See Loeffler, Bruno, assignor.)
International Motor Company. (See Manville, Keith R., assignor.)
International Motor Company. (See Masury, Alfred F., assignor.)
International Motor Company. (See Masury, A. F., Jupp, and Anderson, assignors.)
International Motor Company. (See Masury, A. F., and Queeney, assignors.)
International Motor Company. (See Mathews, Joseph L., assignor.)
International Motor Company. (See Matthews, Philip E., assignor.)
International Motor Company. (See McManus, Frank C., assignor.)
International Motor Company. (See Midboe, Gabriel, assignor.)
International Motor Company. (See O'Donnell, Joseph, assignor.)
International Motor Company. (See Post, Edwin M., jr., assignor.)
International Motor Company. (See Robbins, Azor D., assignor.)
International Motor Company. (See Schmal, Alois H., assignor.)
International Motor Company. (See Shields, Henry B., assignor.)
International Musical Corporation. (See Large, John H., assignor.)
International Neon Company. (See Treacy, Cyril S., assignor.)
International Nickel Company, The. (See Alinder, H., and Shipley, assignors.)
International Nickel Company, The. (See Merica, P. D., and Kayes, assignors.)
International Nickel Company, The. (See Merica, P. D., Vanick, and Wickenden, assignors.)
International Nickel Company, The. (See Pilling, Norman B., assignor.)
International Nickel Company, The. (See Shoffstall, A. S., and Brown, assignors.)
International Nickel Company, The. (See Shoffstall, A. S., Mudge, Bagsar, and Bieber, assignors.)
International Nickel Company, The. (See Wise, Edmund M., assignor.)
International Paper Box Machine Company, The. (See Goss, Harold J., assignor.)
International Paper Box Machine Company, The. (See Labombarde, Harold S., assignor.)
International Paper Company. (See Bebie, Edwin W., assignor.)
International Paper Company. (See Maxim, W. D., and Mahannah, assignors.)
International Paper Company. (See Read, Robert E., assignor.)
International Paper Company. (See Terry, Clark A., assignor.)
International Paper Company. (See Wickware, Walter H., assignor.)
International Patent Corporation. (See Haglund, Ture R., assignor.)
International Patents Corporation. (See Pullen, Harry, assignor.)
International Patents Corporation. (See Zimmerman, M. D., and Pullen, assignors.)
International Patents Development Company. (See Dival, Edgar F., assignor.)
International Patents Development Company. (See Johnson, J. A., and Chalmers, assignors.)
International Patents Development Company. (See McCoy, Rush O., assignor.)
International Patents Development Company. (See McCoy, R. O., and Sjostrom, assignors.)
International Postal Supply Company, The. (See Pacher, Josef V., assignor.)
International Precipitation Company. (See Anderson, Evald, assignor.)

International Precipitation Company. (See Horne, George H., assignor.)
International Precipitation Company. (See Horne, G. H., and Lissman, assignors.)
International Precipitation Company. (See Hoss, Wilhelm, assignor.)
International Precipitation Company. (See Jakosky, John J., assignor.)
International Precipitation Company. (See Klencke, Hans, assignor.)
International Precipitation Company. (See Knight, Arthur P., assignor.)
International Precipitation Company. (See Lechler, Fritz.)
International Precipitation Company. (See Marshall, Kenneth I., assignor.)
International Precipitation Company. (See Welch, Harry V., assignor.)
International Precipitation Company. (See Witte, Gustav A., assignor.)
International Projector Corporation. (See Dina, Augusto, assignor.)
International Projector Corporation. (See Frappier, L. S., and Boecking, assignors.)
International Projector Corporation. (See Kindelmann, A., and Boecking, assignors.)
International Pulverising & Grinding Machines (Parent) Corporation Limited. (See Legrand, Paul, assignor.)
International Register Company. (See Colby, Vincent V., assignor.)
International Resistance Company. (See Pender, Harold, assignor.)
International Safety Lock Nut Corporation. (See d'Halloy, Audoin, assignor.)
International Safety Razor Corp. (See Molenthin, Henry H., assignor.)
International Seal and Knot Protector Co., The. (See Kedidel, Frank, assignor.)
International Screw Co. (See Arenz, John A., assignor.)
International Shoe Company. (See Keefe, John P., assignor.)
International Shoe Company. (See Krive, James D., assignor.)
International Silver Company. (See Beck, Ernest T., assignor.)
International Silver Company. (See Bostock, Charles F., assignor.)
International Silver Company. (See Brown, Leslie A., assignor.)
International Silver Company. (See Kintz, Alfred G., assignor.)
International Silver Company. (See Lucas, Orville W., assignor.)
International Silver Company. (See Prétat, Frederick assignor.)
International Silver Company. (See Saarinen, Eliel, assignor.)
International Silver Company. (See Stark, Frederick W., assignor.)
International Skogplantningsmetode Aktieselskap. (See Holm-Hansen, Birger, assignor.)
International-Stacey Corporation. (See Bloss, Richard R., assignor.)
International-Stacey Corporation. (See Boykin, Burwell, jr., assignor.)
International-Stacey Corporation. (See Owens, Robert H., assignor.)
International Stamping and Enameling Corporation. (See Weiss, Herman, assignor.)
International Standard Electric Corporation. (See Stevens, C. E., and Mamor, assignors.)
International Standard Electric Corporation. (See Deakin, G., and Polinkowsky, assignors.)
International Standard Electric Corporation. (See Wright, Esmond P. G., assignor.)
International Sugar and Alcohol Company, The. (See Färber, E., Minkoff, and Pond, assignors.)
International Sugar and Alcohol Company Limited. (See Minkoff, G., and Levy, assignors.)
International Ticket Scale Corporation. (See Slezak, Vincent F., assignor.)
International Time Recording Company. (See Bryce, James W., assignor.)
International Time Recording Company. (See Geiger, Edward F., assignor.)
International Time Recording Company. (See Winsor, Clifford S., assignor.)
International Time Recording Company of New York. (See Bishop, L. C., and Sprecker, assignors.)
International Time Recording Company of New York. (See Bryce, James W., assignor.)
International Time Recording Company of New York. (See Chapman, Bert, assignor.)
International Time Recording Company of New York. (See Geiger, Edward F., assignor.)
International Time Recording Company of New York. (See Larrabee, Clinton E., assignor.)
International Time Recording Company of New York. (See Ogsbury, James S., assignor.)
International Toy Corporation. (See MacBride, Donald H., assignor.)
International Wheat Malt Syrup Company. (See Dupont, François M., assignor.)
International Wheat Malt Syrup Company. (See Schneider, R., and Dupont, assignors.)
Interstate Cotton Oil Refining Company. (See Dorset, William S., assignor.)
Interstate Equipment Company. (See Kilcarr, Gilbert M., assignor.)
Interstate Folding Box Company, The. (See Bergstein, Samuel, assignor.)
Intertype Corporation. (See Chandler, Frank D., assignor.)
Intertype Corporation. (See Freund, Herman R., assignor.)
Intertype Corporation. (See Sperry, Samuel E., assignor.)
Intertype Corporation. (See Turner, Ransom H., assignor.)
Intertype Corporation. (See Willis, Le Roy W., assignor.)
Intertype Limited, et al. (See Hunter, Edgar K., assignor.)
Interwoven Mills, Inc., The. (See Haas, J., and Evans, assignors.)
Into, Edwin G. (See Abrams, H. F., and Into.)
Inventia Patent-Verwertungs-Gesellschaft. (See Engberg, A. O., and Bilde, assignors.)
Inventia Patent-Verwertungs-Gesellschaft. (See Engberg, A. O., and Carlstedt, assignors.)
Invention Development Corporation. (See Holtz, John B., assignor.)
Investors Industries, Inc. (See Brown, Fenby T., assignor.)
Invex Corporation. (See Craig, Palmer H., assignor.)
Invincible Laundry Equipment Company. (See Kalk, Albert, C., assignor.)
Ipri, Albert, Philadelphia, Pa. Fruit press. 1,837,048; Dec. 15.
Iowa Dairy Separator Company. (See Edwards, James M., assignor.)
Iowa Fiber Box Company. (See Goez, William F., assignor.)
Iowa Fiber Box Company, et al. (See Witte, James G., assignor.)
Iowa State College of Agricultural and Mechanical Arts. (See Hixon, R. M., Peterson, and Werkman, assignors.)
Iowa State College of Agricultural and Mechanical Arts. (See Levine, Max, assignor.)
Iowa State College of Agricultural and Mechanical Arts. (See Spinney, Louis B., assignor.)
Iowa State College of Agricultural and Mechanical Arts. (See Sweeney, Orland R., assignor.)
Ippers, John W., assignor of one-half to J. Deutsch, Chicago, Ill. Screens employed in photo-engraving and method for making the same. 1,794,693; Mar. 3.
Ipsen, Carl L., Schenectady, N. Y., assignor to General Electric Company. Electric arc welding. 1,827,657; Oct. 13.
Ipsen, Carl L., and J. L. McFarland, Schenectady, N. Y., assignors to General Electric Company. Furnace. 1,789,177; Jan. 13.
Ipsen, Carl L., and J. L. McFarland, Schenectady, N. Y., assignors to General Electric Company. Furnace. 1,830,548; Nov. 3.
Ipsen, Henrik, Brooklyn, N. Y. Frame for automobile license plates. 1,793,696; Feb. 24.
Iredell, Charles V., East Orange, N. J., assignor to Westinghouse Lamp Company. Recovery of refractory metals from ores. 1,791,272; Feb. 3.
Iredell, Charles V., East Orange, N. J., assignor to Westinghouse Lamp Company. Recovery of tungsten from ores. 1,796,026; Mar. 10.
Iredell, Charles V., East Orange, N. J., assignor to Westinghouse Lamp Company. Pressure forming refractory article. 1,807,915; June 2.
Iredell, Charles V., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Protective coating for metal surfaces. 1,835,113; Dec. 8.
Iredell, Charles V., East Orange, N. J., assignor to Westinghouse Lamp Company. Refractory insulator support for electron discharge devices. 1,838,766; Dec. 29.
Iredell, Charles V., East Orange, N. J., assignor to Westinghouse Lamp Company. Recovery of molybdenum. 1,838,767; Dec. 29.
Irelan, Ellison S., assignor to Illinois Watch Case Company, Elgin, Ill. Making watchcases. 1,812,150; June 30.
Ireland, George B., assignor to Taylor Instrument Companies, Rochester, N. Y. Mercury pressure gauge. 1,811,178; June 23.
Ireland, George E., assignor to The City Machine & Tool Company, Toledo, Ohio. Forming shells. 1,808,731; June 2.
Ireland, Ward S. (See Dennison, F. E., and Ireland.)
Irgens, Finn T., assignor to Outboard Motors Corporation, Milwaukee, Wis. Motor support. 1,802,652; Apr. 28.
Irgens, Finn T., Wauwatosa, assignor to Outboard Motors Corporation, Milwaukee, Wis. Outboard motor. 1,818,257; Aug. 11.
Irgens, Finn T., Jackson, assignor, by mesne assignments, to Outboard Motors Corporation, Detroit, Mich. Water cooling system for marine motors. 1,818,991; Aug. 18.
Irgens, Finn T., assignor to Outboard Motors Corporation, Milwaukee, Wis. Internal combustion engine. 1,827,818; Oct. 20.
Irgens, Finn T., and P. C. Baldus, assignors to Outboard Motors Corporation, Milwaukee, Wis. Timer mounting and drive. 1,803,618; May 5.

Irish, Charles F., Bratenahl, Ohio. Self tamping aeration tool. 1,814,445; July 14.
Irish, Charles F., Bratenahl, Ohio. Treating soil. 1,814,446; July 14.
Irish, David J., assignor to Foster Wheeler Corporation, New York, N. Y. Method and apparatus for burning fuel. 1,801,431; Apr. 21.
Irish, Rush W., assignor of one-half to J. P. Thomas, jr., Canon City, Colo. Automatic golf tee. 1,819,896; Aug. 18.
Irmer, Charles B. (See Moerk, F. N., and Irmer.)
Iron Fireman Manufacturing Company. (See Banfield, Thomas H., assignor.)
Iron Fireman Manufacturing Company. (See Carter, Haskell C., assignor.)
Iron Fireman Manufacturing Company. (See Parker, Cyrus J., assignor.)
Iron Fireman Manufacturing Company. (See Walter, Joseph H., assignor.)
Iron Mountain Co. (See Bihl, W. E., and Ramclau, assignors.)
Irons, Harriette, Oak Park, Ill. Chemise. Des. 83,448; Feb. 24.
Irons, John H., Saratoga Springs, N. Y. Air exhausting apparatus. 1,810,607; June 16.
Ironside, George, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Machine gun mount. 1,805,547; May 19.
Ironside, James. (See Blaskewitz, W., Overly, Lambert, and Ironside.)
Irsch, Jacob, New York, assignor of one-half to B. E. Jones, Freeport Village, N. Y. Amusement ride. 1,824,720; Sept. 22.
Irvine, Andrew. (See Bateman, A. T., and Irvine.)
Irvine, Benjamin P., Denver, Colo. Two-row pulling and six-row piling apparatus for harvesting sugar beets. 1,806,974; May 26.
Irvine, James, jr. (See Key, James F., assignor.)
Irving, Clarence B., Kansas City, Mo., assignor, by mesne assignments, to Wilson-Jones Company, Chicago, Ill. Device for securing together the binding edges of loose leaf filler sheets. 1,817,488; Aug. 4.
Irving Engineering Co. (See Mueller, Adolf, assignor.)
Irving Iron Works Company. (See Price, Paul L., assignor.)
Irving, Samuel C., Berkeley, Calif. Airplane landing brake. 1,811,199; June 23.
Irvington Varnish & Insulator Co. (See Schork, John L., jr., assignor.)
Irwin, Eugene F., Medford, Mass. Daily plan book. 1,829,282; Oct. 27.
Irwin, George H., Chicago, Ill. Boiler. 1,811,938; June 30.
Irwin, George H., Chicago, Ill. Combustion mixture control. 1,814,163; July 14.
Irwin, George H., Chicago, Ill. Gas burner structure. 1,814,164; July 14.
Irwin, Henry E., Montclair, N. J., assignor to R. R. Heywood Company, Inc. Display device. 1,792,541; Feb. 17.
Irwin, Herbert G., Amarillo, Tex. Carbide agitator for acetylene generators. 1,797,264; Mar. 24.
Irwin, Herbert G., Amarilla, Tex. Hand feed for acetylene generators. 1,799,589; Apr. 7.
Irwin, Herbert G., Amarillo, Tex. Carbide feed for acetylene generators. 1,825,066; Sept. 29.
Irwin, Lawrence C., Brooklyn, assignor to Charles J. Tagliabue Mfg. Co., New York, N. Y. Bulb assembly for temperature responsive devices. 1,815,567; July 21.
Irwin, Paul L., Pittsburgh, Pa. Torsion testing machine. 1,804,621; May 12.
Irwin, Walter W., et al. (See Ciglia, E. F., and Pelletier, assignors.)
Irwin, William J., Hempstead, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Cowl fastener. 1,792,537; Feb. 17.
Irwin, William J., Medford, Mass., assignor to Pike Manufacturing Company, Pike, N. H. Portable grinding machine. 1,831,863; Nov. 17.
Isaac, Harold B. (See Moecker, H., jr., and Isaac.)
Isaacks, James D., Houston, Tex. Gauge stabilizer. 1,818,259; Aug. 11.
Isaacs, Lida S., Eagle Rock, Calif., assignor to Mrs. G. D. Gilmore, Mrs. E. A. Dudley, and Mrs. E. C. Magauran, Los Angeles, Calif., doing business under the fictitious firm name of The California Women of the Golden West. Badge, pin, or emblem. Des. 84,988; Sept. 1.
Isaacs, Mark. (See Wagenseller, Paul W., assignor.)
Isaacs, William, Lincoln, Nebr. Gas tank lock. 1,824,352; Sept. 22.
Isaacs, William, and E. E. McVey, Youngstown, Ohio. Pair furnace. 1,788,796; Jan. 13.
Isaacs, William, Struthers, and E. E. McVey, Youngstown Ohio. Furnace. 1,831,354; Nov. 10.
Isaacson, Fred A., Topeka, Kans., assignor to American Steel Foundries, Chicago, Ill. Logging car. 1,811,634; June 23.
Isaacson, Fred A., and K. Edahl, Chicago, Ill. Car construction. 1,792,168; Feb. 10.
Isaacson, Max J., Brooklyn, N. Y. Disengageable fastener. 1,807,478; May 26.
Isaacson, Morris, Brooklyn, N. Y. Adjustable bookrest. 1,821,060; Sept. 1.
Isaacson, William O., Chicago, Ill. Anchor. 1,819,512; Aug. 18.
Isaacson, William O., Chicago, Ill. Buck support. 1,824,998; Sept. 29.
Isacco, Vittorio, Paris, France Flying machine. 1,813,852; July 7.
Isberg, Carl A., Denver, Colo. Confection. Des. 83,613; Mar. 10.
Isbills, William L., Westfield, N. J. Method and apparatus for projecting multicolor rays. 1,828,971; Oct. 27.
Ischinger, Alfred E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 83,539; Mar. 3.
Ischinger, Alfred E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 83,614; Mar. 10.
Ischinger, Alferd E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 83,615; Mar. 10.
Ischinger, Alfred E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 83,616; Mar. 10.
Ischinger, Alfred E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 83,617; Mar. 10.
Ischinger, Alfred E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 83,618; Mar. 10.
Ischinger, Alfred E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 83,619; Mar. 10.
Ischinger, Alfred E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 84,893; Aug. 18.
Ischinger, Alfred E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 84,894; Aug. 18.
Ischinger, Alfred E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 84,935; Aug. 25.
Ischinger, Alfred E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 84,936; Aug. 25.
Ischinger, Alfred E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 84,937; Aug. 25.
Ischinger, Alfred E., Reading, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 84,938; Aug. 25.
Ischinger, Alfred E., assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. 1,833,163; Nov. 24.
Isco Chemical Company. (See Ladd, Edward T., assignor.)
Iscovesco, Henri, Paris, France, assignor to Health Products Corporation, Newark, N. J. Isolating active lipoids. 1,796,027; Mar. 10.
Iscra, Giulio R., Brooklyn, N. Y. Spark arrester and smoke purifier. 1,792,909; Feb. 17.
Isdale, John S., Meriden, Conn., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,824,779; Sept. 29.
Iseler, Charles W., assignor to General Motors Research Corporation, Detroit, Mich. Steering pitman arm. 1,826,401; Oct. 6.
Isenberg, Morris. (See Borland, Deloss, assignor.)
Isenberg, Rudolf A., Los Altos, Calif. Milk-bottle holder or analogous article. Des. 83,449; Feb. 24.
Isenberg, Rudolf A., Los Altos, Calif. Harrow. 1,800,634; Apr. 14.
Isenberg, Rudolf A., Los Altos, and W. B. Snook, Monterey, Calif. Door-operating mechanism. 1,800,635; Apr. 14.
Isenman, George A., and G. I. Johnson, assignors to Automatic Floor Waxing Machine Corporation, Malden, Mass. Floor waxing and polishing machine. 1,794,460; Mar. 3.
Isermann, Samuel. (See Dusenbury, H. G., and Isermann.)
Isgur, Louis, Roxbury, Boston, Mass. Skylight. 1,791,211; Feb. 3.
Isgur, Louis, Roxbury, Boston, assignor to E. Van Noorden Company, Boston, Mass. Glazed structure. 1,835,779; Dec. 8.
Ishida, Nobuo, Ebaragun-Tokyofu, Japan. Heat insulating filler. 1,832,710; Nov. 17.
Ishimaru, Eikichi, Tokyofu, Japan, assignor to General Electric Company. Electric switch. 1,808,555; June 2.
Iskin, Herman, Philadelphia, Pa. Play suit. 1,788,195; Jan. 6.
Isler, William. (See Austin, James D. and C. W., assignors.)
Isles, Frederick W., Bayonne, N. J., assignor to Standard Oil Development Company. Condensing gasoline vapors. 1,809,167; June 9.
Isles, Frederick W., Bayonne, N. J., assignor to Standard Oil Development Company. Purifying liquids and apparatus for accomplishing the same. 1,838,029; Dec. 22.
Isley, George H., assignor to Morgan Construction Company, Worcester, Mass. Recuperative furnace control. 1,801,670; Apr. 21.
Isom, Edward W., Scarsdale, assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 1,807,242; May 26.
Isom, Edward W., Scarsdale, assignor to Sinclair Refining Company, New York, N. Y. Refining hydrocarbons. 1,812,439; June 30.

Isom, Edward W., Scarsdale, assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 1,814,700; July 14.
Isom, Edward W., Winnetka, assignor to Sinclair Refining Company, Chicago, Ill. Cracking of hydrocarbons and treatment of residues. 1,811,272; June 23.
Israel, Sidney, Houston, Tex. X-ray centering device. 1,832,865; Nov. 24.
Issar, Kornel, Detroit, Mich. Humidifier for gas engines. 1,806,293; May 19.
Italo-French Produce Company. (See Cowan, James L., assignor.)
Ithaca Gun Company. (See Howland, Harry E., assignor.)
Itkowitz, Isidore, and G. Savage, assignors to Crescent Garter Co. Inc., New York, N. Y. Girdle supporter. 1,801,161; Apr. 14.
Ito, Kinitsu, Imaise, Japan. Medical moxa heater. 1,817,823; Aug. 4.
Ittig, George P., assignor to Blackstone Silver Company, Incorporated, Bridgeport, Conn. Table knife. Des. 84,638; July 14.
Ivanovici, Nicolae, Bucharest, Roumania. Machine for grinding and polishing floors. 1,787,528; Jan. 6.
Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Clutch. 1,793,221; Feb. 17.
Iversen, Morton. (See Payne, P. D., and Iversen.)
Ives, Clifford E. (See White, W. P., and Ives.)
Ives, Clifford E., Chicago, Ill. Switch. 1,838,944; Dec. 29.
Ives, Clifford E., Wilmette, Ill. Variable speed device 1,812,877; July 7.
Ives Corporation, The. (See Corey, Harry F., assignor.)
Ives Corporation, The. (See Ives, H. C., and Newsom, assignors.)
Ives Corporation, The. (See Thorn, William E., assignor.)
Ives, Eben C., St. Paul, Minn. Chime mechanism. 1,815,202; July 21.
Ives, Edward L., Chicago, Ill., assignor, by mesne assignments, to A. M. Byers Company, Pittsburgh, Pa. Preparing or remelting wrought iron slag. 1,820,179; Aug. 25.
Ives, Harry C., Bridgeport, Conn., and H. R. Newsom, New York, N. Y., assignors, by mesne assignments, to The Ives Corporation, Bridgeport, Conn. Pivotal means for toy car trucks. 1,789,042; Jan. 13.
Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical transmission. 1,796,931; Mar. 17.
Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical transmission system. 1,812,405; June 30.
Ives, Herbert E., Montclair, N. J., assignor to The Perser Corporation, New York, N. Y. Making viewing gratings for relief or stereoscopic pictures. 1,814,701; July 14.
Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Image producing system. 1,815,203; July 21.
Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling apparatus. 1,837,364; Dec. 22.
Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Light sensitive device. 1,837,365; Dec. 22.
Ivey, Arnold, M. (See Tisdale, James R. M., assignor.)
Ivey, Henry B., Goldsboro, N. C. Cigar and cigarette lighter. 1,826.789; Oct. 13.
Ivory, Chester S., assignor to the estate of J. W. Ivory, Philadelphia, Pa. Amalgam carrier. 1,797,866; Mar. 24.
Ivory, Chester S., assignor to the Estate of J. W. Ivory, Philadelphia, Pa. Tooth separator. 1,829,898; Nov. 3.
Ivory, J. W. (See Ivory, Chester S., assignor.)
Iwata, Toshi-Ko, Kitatoshima-Gun, Tokyo, Japan. Window blind made of woven fabric. 1,789,655; Jan. 20.
Iwatta. Frank R., et al. (See Paulson, George W., assignor.)
Izquierdo. Angel, New Orleans, La. Drain strainer. 1,817,376; Aug. 4.
Izsak, Ignatius, et al. (See Miller, Alexander, assignor.)
Izumiya. Mata, Chagrin Falls, Ohio. Pressing iron. 1,830,875; Nov. 10.
J. F. S. Company. (See Jacobsen, Richard S., assignor.)
Jabas, Paul, La Chaux De Fonds, Switzerland. Centrifugal governor. 1,792,426; Feb. 10.
Jablons, Irving, New York, N. Y. Wreath and plant supporting device. 1,794,076; Feb. 24.
Jabouley, Joanny B., Villeurbanne, assignor, by mesne assignments, to L. Jaloustre, Paris, France. Circular loom for weaving. 1,822,292; Sept. 8.
Jack, Arthur C., Pittsburgh, Pa. Rail fastening. 1,826,316; Oct. 6.
Jack. Butler, jr., Sacramento, Calif. Dirt mover. 1,811,179; June 23.
Jackel, Arthur P., Paducah, Ky., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,822,128; Sept. 8.
Jacker, Richard J., Detroit, Mich. Automatic speed-changing mechanism. 1,792,306; Feb. 10.
Jackes-Evans Manufacturing Company. (See Jackes, S. F., and Runder, assignors.)
Jackes, Stanley F., St. Louis, and L. H. Runder, Pinelawn, assignors to Jackes-Evans Manufacturing Company, St. Louis, Mo. Pipe joint. 1,798,121; Mar. 24.
Jackman, Arthur J., Forest Hills Borough, assignor to Vesuvius Crucible Company, Swissvale, Pa. Ladle stopper construction. 1,824,019; Sept. 22.
Jackman, Dean M., Kenvil, N. J. Method of crystallizing explosives from solvents. 1,801,509; Apr. 21.
Jackman, Elmer F., Wilkinsburg, Pa. Tool for removing broken stud bolts and the like. 1,798,944; Mar. 31.
Jackman, J. W., & Company. (See Garratt, Stephen E., assignor.)
Jackson, Alexander M., Evanston, Ill., assignor to Locke Insulator Corporation, Baltimore, Md. Arc extinguishing device. 1,817,984; Aug. 11.
Jackson, Alfred F., Attleboro, Mass., assignor to Lewis R. Smith, receiver of the Apco Mossberg Corporation. Starter control. 1,800,636; Apr. 14.
Jackson, Andrew V. (See Burrell, George T., and Jackson.)
Jackson, Augustus E., Savannah, Ga. Corner block. 1,830,108; Nov. 3.
Jackson, Benjamin H. (See Rawson, G. I., and Jackson.)
Jackson, Byron Co. (See Smith, Nelson K., assignor.)
Jackson, Charles F., Minneapolis, Minn., assignor to Standard Oil Development Company. Method and apparatus for working oil sands. 1,804,692; May 12.
Jackson, Charles H., assignor to Bayley Blower Company, Milwaukee, Wis. Radiator. 1,837,442; Dec. 22.
Jackson, Corval R., Indianapolis, Ind., assignor, by mesne assignments, to Abbott Laboratories, Chicago, Ill. Atomizer. Des. 83,450; Feb. 24.
Jackson, Corwill, Chicago, Ill. Forming and molding concrete. 1,787,449; Jan. 6.
Jackson, Corwill, Chicago, Ill. Molding apparatus. 1,787,529; Jan. 6.
Jackson, Corwill, Chicago, Ill. Roadbed working machine. 1,808,896; June 9.
Jackson, Corwill, Chicago, Ill. Tamping or ballasting machine. 1,813,295; July 7.
Jackson, Corwill, Chicago, Ill. Power unit or plant for track apparatus. 1,826,075; Oct. 6.
Jackson, David E., Olympia, Wash. Washing machine. 1,819,419; Aug. 18.
Jackson, Ernest A., Chorlton-cum-Hardy, Manchester, assignor to Kay and Lee Limited, Manchester, England. Trousers, knickerbockers and such like. 1,831,451; Nov. 10.
Jackson, Frank H., Mount Vernon, Wash. Combination fish-net buoy and light. 1,796,460; Mar. 17.
Jackson, Fred B. (See Tellier, Roy G., assignor.)
Jackson, George B., Three Rivers, Mich. Propeller. 1,825,401; Sept. 29.
Jackson, George L., Louisville, Ky., assignor to The Kirk & Blum Manufacturing Company, Cincinnati, Ohio. Dust-collecting system. 1,792,587; Feb. 17.
Jackson, George L., Louisville, Ky., assignor to The Kird & Blum Manufacturing Company, Cincinnati, Ohio. Automatic cut-off. 1,816,223; July 28.
Jackson, George M., assignor to The Western Shade Cloth Company, Chicago, Ill. Two-tone window shade cloth and manufacture. 1,835,708; Dec. 8.
Jackson, George P., Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Water wall. 1,822,405; Sept. 8.
Jackson, George P., Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Steam generating installation. 1,828,467; Oct. 20.
Jackson, George P., Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler and furnace. 1,832,126; Nov. 17.
Jackson, Harold E., Detroit, Mich. Shock absorber. 1,817,195; Aug. 4.
Jackson, Harry F., and C. O. Straub, Springfield, Ohio. Liquid dispensing apparatus. 1,819,330; Aug. 18.
Jackson, Herbert D., and F. White, Walsall, England. Stay for hinged lids or covers of gramophones, boxes, and the like. 1,796.331; Mar. 17.
Jackson, James M., St. Louis, Mo. Roll paper support. 1,813,853; July 7.
Jackson, John C., Chatham, Ontario, Canada. Current rectifying means. 1,835,161; Dec. 8.
Jackson, John C., assignor to The Modern Oil Well Supply Company, Fort Collins, Colo. Signal system and apparatus for boilers. 1,803,852; May 5.
Jackson, John W., Fall River, Mass. Automatic cleaning device for atomizers. 1,798.606; Mar. 31.
Jackson, John W., North Augusta, S. C. Lighting arrangement for automobiles. 1,816,224; July 28.
Jackson, Joseph B., Milford, assignor to Draper Corporation, Hopedale, Mass. Electric feeler mechanism for looms. 1,833,610; Nov. 24.
Jackson, Joseph G., assignor to Edward Katzinger Company, Chicago, Ill. Cracker pan. 1,790,270; Jan. 27.
Jackson, Joseph G., assignor to Edward Katzinger Company, Chicago, Ill. Cracker pan. 1,790,504; Jan. 27.
Jackson, Joseph R., jr., Boston, Mass. Elevator. 1,836,972; Dec. 15.
Jackson, Joseph W., assignor to H. Perlmutter, Brooklyn, N. Y. Brake construction. 1,824,484; Sept. 22.
Jackson, Joseph W., assignor to H. Perlmutter, Brooklyn, N. Y. Baby carriage body suspension. 1,837,049; Dec. 15.
Jackson, Martin L., and J. R. Carter, Winston-Salem, N. C. Dispensing, measuring and computing device. 1,828,188; Oct. 20.
Jackson, Mason A. (See Barringer, A. P., and Jackson.)

Jackson, Mason A., New York, N. Y. Pop-corn machine. 1,789,902; Jan. 20.
Jackson, Maunsell B., Toronto, Ontario, Canada. Brake-control mechanism. 1,794,461; Mar. 3.
Jackson, Maunsell B., Toronto, Ontario, Canada. Starter for engines. 1,830,759; Nov. 10.
Jackson, Maunsell B., and K. M. Clipsham, Toronto, Ontario; said Clipsham assignor to Leaside Engineering Co. Limited, Leaside, Ontario, Canada. Engine starter. 1,791,273; Feb. 3.
Jackson, Maunsell B., and K. M. Clipsham, Toronto, Ontario, assignors to Leaside Engineering Co., Limited, Leaside, Ontario, Canada. Engine starter. 1,815,914; July 28.
Jackson, Newel C., Cassville, Mo. Aeroplane. 1,838,404; Dec. 29.
Jackson, Paul F. (See Johnson, D. E., and Jackson.)
Jackson, Paul F., assignor to The Radio Products Company, Dayton, Ohio. Tube testing device. 1,829,448; Oct. 27.
Jackson, Philip A., Dayton, Ohio. Autographic register. 1,797,345; Mar. 24.
Jackson, Ralph G., Woodbury, N. J. Manufacturing smooth surface floor. 1,807,291; May 26.
Jackson, Seward B., Chatham, N. J. Building. Des. 84,479; June 23.
Jackson, Sherman D., Seminole, Okla. Automatic intermitter. 1,811,396; June 23.
Jackson, Simon P., Kinston, N. C. Tobacco cutter. 1,815,845; July 21.
Jackson, Thaddeus A., Brooklyn, and W. J. Skelly, New York, N. Y. Sharpening tool. 1,787,478; Jan. 6.
Jackson, Thelma P., Houston, Tex. Flower bulb container. 1,826,547; Oct. 6.
Jackson, Warren A. (See Cope, Raymond M., assignor.)
Jackson, William H., Douglaston, N. Y. Agitator. 1,808,353; June 2.
Jackson, William S. (See Watson, B., and Jackson.)
Jackson, William T. (See Moore, L. C., and Jackson.)
Jacob, Bruno E., Ripon, Wis. Shaving machine for cylindrical sound records. 1,805,583; May 19.
Jacob, Emanuel, New York, N. Y. Slipper. 1,795,305; Mar. 10.
Jacob, Emil, Eilenburg, assignor to A. Kern, Frankfort-on-the-Main, Germany. Central cooling plant. 1,838,260; Dec. 29.
Jacob, Francis M., Columbus, Miss. Circuit closer. 1,806,398; May 19.
Jacob, George S. (See Donnelly, R. E., and Jacob.)
Jacobi, Charles G., Ridgefield Park, N. J. Parachute trip for kites. 1,787,479; Jan. 6.
Jacobi, Charles V. (See Shelton, I. J., and Jacobi.)
Jacobi, Edward N., assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Automobile switch and instrument panel. 1,787,684; Jan. 6.
Jacobi, Edward N., assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,789,754; Jan. 20.
Jacobi, Edward N., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Cylinder lock. 1,789,755; Jan. 20.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,789,756; Jan. 20.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Tumbler lock. 1,789,757; Jan. 20.
Jacobi, Edward N., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Switch. 1,789,952; Jan. 20.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Switch. 1,795,950; Mar. 10.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,797,725; Mar. 24.
Jacobi, Edward N., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Handle assembly. 1,797,776; Mar. 24.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,831,118; Nov. 10.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Automobile ignition lock. 1,835,303; Dec. 8.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,835,304; Dec. 8.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Locking device. 1,835,305; Dec. 8.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Padlock. 1,835,709; Dec. 8.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Switch. 1,835,780; Dec. 8.
Jacobi, Francis J., Floyds Knobs, Ind. Motor vehicle headlight. 1,819,682; Aug. 18.
Jacobia, Sylvanus C., Los Angeles, Calif. Key ring holding device. 1,831,666; Nov. 10.
Jacobitti, Edward E., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching system. 1,799,798; Apr. 7.
Jacobs, Aaron J. (See Jacobs, Harry M. and A. J.)
Jacobs, Arthur E., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Metal working tool. 1,836,472; Dec. 15.
Jacobs, Bernhart, assignor of one-half to E. Burkhart, Oklahoma City, Okla. Brush. 1,794,711; Mar. 3.
Jacobs Bros. Co., The. (See Dollack, Charles, assignor.)
Jacobs Brothers Co., The. (See Walker, George, assignor.)
Jacobs Bros. Co., The. (See Walker, Harold L., assignor.)
Jacobs Brothers Scale Co. (See Jacobs, Harry M., and A. J., assignors.)
Jacobs, Charles, Coney Island, N. Y. Amusement device. Des. 85,335; Oct. 13.
Jacobs, Charles H., San Francisco, and A. F. Harshbarger, Oakland, Calif. Cargo carrier for aircraft. 1,824,550; Sept. 22.
Jacobs, Charles H., San Francisco, and A. F. Harshbarger, Oakland, Calif. Cargo carrier support. 1,824,551; Sept. 22.
Jacobs, Charles T., East Orange, assignor to Splitdorf Radio Corporation, Newark, N. J. Wireless receiving system. 1,813,054; July 7.
Jacobs, Charles T., Chatham, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Amplification of electric oscillations. 1,835,781; Dec. 8.
Jacobs, E. H. Mfg. Co. (See Chadbourne, Joseph H., assignor.)
Jacobs, Elmer P., Bridgeport, Ala. Door retaining device. 1,824,209; Sept. 22.
Jacobs, Ernest, Milesville, S. Dak. Animal trap. 1,810,608; June 16.
Jacobs, Frances A., assignor to The Sterling Company, Chicago, Ill. Dress. Des. 84,348; June 9.
Jacobs, Frances A., assignor to The Sterling Company, Chicago, Ill. Dress. Des. 85,046; Sept. 8.
Jacobs, Frank M., Tacoma, Wash. Lathing unit. 1,824,210; Sept. 22.
Jacobs, Franklin D., Bellevue, assignor to Pittsburgh Brush Company, Pittsburgh, Pa. Brush. 1,806,542; May 19.
Jacobs, George H., Pomona, Calif. Bird form. 1,837,662; Dec. 22.
Jacobs, Harry M. and A. J., Brooklyn, assignors to Jacobs Brothers Scale Co., New York, N. Y. Scale. 1,838,182; Dec. 29.
Jacobs, Henry C., Wichita, Kans. Combination plier and wrench. 1,823,494; Sept. 15.
Jacobs, Joseph, Bridgeport, assignor to The A. J. Donahue Corporation, Milford, Conn. Powder puff. Des. 85,828; Dec. 22.
Jacobs, Joseph, Bridgeport, assignor to The A. J. Donahue Corporation, Milford, Conn. Man's garter. 1,792,466; Feb. 10.
Jacobs, Joseph, Bridgeport, Conn., assignor to The A. J. Donahue Corporation. Suspenders. 1,829,518; Oct. 27.
Jacobs, Joseph H., Richey, Mont. Wind-power motor. 1,793,321; Feb. 17.
Jacobs, Joseph H., Rochester, N. Y. Pressure cooker. 1,799,905; Apr. 7.
Jacobs, Joseph H., Rochester, N. Y. Pressure cooker. 1,799,906; Apr. 7.
Jacobs, Joseph H., Rochester, N. Y. Center tester. 1,805,285; May 12.
Jacobs, Joseph H., Rochester, N. Y. Height gauge. 1,824,153; Sept. 23.
Jacobs Manufacturing Company, The. (See Toppin, Hubert M., assignor.)
Jacobs, Raymond C. (See Gilbertson, H. A., Curtin, and Jacobs.)
Jacobs, Werner, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Variable speed gear. 1,827,582; Oct. 13.
Jacobs, William J. (See Mumaugh, Arthur H., assignor.)
Jacobsen, Albert E., Seattle, Wash., assignor to Neon Specialty & Manufacturing Co. Electrode for luminous tubes. 1,832,212; Nov. 17.
Jacobsen, Bernhard, Meeker, Colo. Chalk line holder. 1,814,389; July 14.
Jacobsen, Bernard, and L. Hansen, St. John, New Brunswick, Canada. Shipping crate retainer and seal. 1,830,701; Nov. 3.
Jacobsen, David L., Pittsburgh, Pa., assignor to The Koppers Company. Gas purification. 1,800,297; Apr. 14.
Jacobsen, Jens N. (See Chormann, O. I., and Jacobsen.)
Jacobsen, Jens N., Alameda, Calif., assignor to The Pflauder Company, Rochester, N. Y. Detachable pipe sections. 1,817,691; Aug. 4.
Jacobsen, Nils A., Hokksund, Norway. Paper machine in order to prevent breakage of the paper on the couch press or wire cloth. 1,791,412; Feb. 3.
Jacobsen, Otto, Monroe, La. Blow-out patch. 1,832,213; Nov. 17.
Jacobsen, Oystein, Dayton, Ohio, assignor to The Duriron Company, Inc. Circulating steam jet construction. 1,818,979; Aug. 18.
Jacobsen, Oystein, Dayton, Ohio, assignor to The Duriron Company, Inc. Centrifugal pump. 1,839,032; Dec. 29.
Jacobsen, Richard S., Wheaton, assignor to J. F. S. Company, Chicago, Ill. Change-speed transmission. 1,788,108; Jan. 6.
Jacobsen, Richard S., Wheaton, assignor to J. F. S. Company, Chicago, Ill. Variable-speed transmission. 1,800,388; Apr. 14.
Jacobsen, Richard S., Wheaton, assignor to J. F. S. Company, Chicago, Ill. Variable speed transmission. 1,814,165; July 14.
Jacobsohn, Isadore M., Chicago, Ill., and S. Truscott, Birmingham, Ohio. Aircraft covering. 1,788,394; Jan. 13.
Jacobson, David L., Pittsburgh, Pa., assignor to The Koppers Company. Gas-purification process. 1,792,097; Feb. 10.

Jacobson, David L., Pittsburgh, Pa., assignor to The Koppers Company. Manufacture of ammonium chloride. 1,831,864; Nov. 17.
Jacobson, Edward, Winnipeg, Manitoba, Canada. Soldering iron. 1,814,041; July 14.
Jacobson, Gustav, and G. F. Ericson, assignors to Superior Floor Surfacing Machine Corporation, New York, N. Y. Floor surfacing machine. 1,818,954; Aug. 11.
Jacobson, Harry, Brooklyn, N. Y. Gasoline filter. 1,822,440; Sept. 8.
Jacobson, Henry, and K. Aichelen, Milwaukee, Wis. Locking device for doors of baling presses. 1,826,936; Oct. 13.
Jacobson, Hugo W., Arlington, and R. A. Demeillers, Upper Montclair, assignors to Gould & Eberhardt, Newark, N. J. Spline hobbing apparatus. 1,830,659; Nov. 3.
Jacobson, Joseph, and M. Ferrandino, Portland, Oreg. Measuring sugar bowl. 1,787,785; Jan. 6.
Jacobson, Moses, New York, assignor of one-half to A. Herzfeld, Brooklyn, N. Y. Multiple condenser. 1,823,860; Sept. 15.
Jacobson, Ole A., Grand Rapids, Mich., assignor, by mesne assignments, to American District Telegraph Company, Jersey City, N. J. Alarm circuit contactor. 1,832,905; Nov. 24.
Jacobson, Wilgot, and S. Schiller, Elizabeth, assignors to Traffic Signs & Signals, Inc., Paterson, N. J. Automatic traffic light control. 1,836,973; Dec. 15.
Jacobsson, Fritz M., Stockholm, and K. G. Ljungdahl, Vasteras, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Excess-supply meter. 1,792,016; Feb. 10.
Jacobus, David S., Montclair, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Support for water-cooled walls of boilers. 1,788,024; Jan. 6.
Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Air heater. 1,790,817; Feb. 3.
Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,796,713; Mar. 17.
Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat transfer device. 1,808,169; June 2.
Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Slag screen. 1,808,230; June 2.
Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat transfer device. 1,809,240; June 9.
Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,809,972; June 16.
Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat transfer device. 1,810,178; June 16.
Jacobus, David S., Montclair, N. J., assignor to Fuller Lehigh Company, Fullerton, Pa. Furnace wall. 1,823,901; Sept. 22.
Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 1,824,084; Sept. 22.
Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Tube supported furnace wall. 1,825,666; Oct. 6.
Jacobus, David S., Montclair, N. J., assignor to Fuller Lehigh Company, Fullerton, Pa. Sectional furnace wall. 1,835,873; Dec. 8.
Jacobus, David S., Montclair, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Furnace and operating same. 1,837,713; Dec. 22.
Jacobus, David S., Montclair, N. J., assignor to Fuller Lehigh Company, Fullerton, Pa. Sectional furnace wall. 1,835,945; Dec. 8.
Jacobus, David S., Jersey City, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Steam boiler. 1,790,750; Feb. 3.
Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Dust-collecting system and operating the same. 1,793,620; Feb. 24.
Jacobus, David S., Jersey City, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Air-cooled furnace. 1,794,774; Mar. 3.
Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler economizer systems. 1,800,217; Apr. 14.
Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,801,275; Apr. 21.
Jacobus, David S., Jersey City, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Air cooled furnace and operating the same. 1,819,174; Aug. 18.
Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Temperature regulating and indicating device. 1,819,244; Aug. 18.
Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,836,251; Dec. 15.
Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater. 1,834,782; Dec. 1.
Jacobus, David S., Montclair, and H. J. Kerr, Westfield, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Slag-screen water tube. 1,790,710; Feb. 3.
Jacobus, David S., Montclair, and H. J. Kerr, Westfield, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Furnace. 1,814,555; July 14.
Jacobus, David S., Montclair, and N. E. Lewis, Plainfield, N. J., assignors by mesne assignments to Fuller Lehigh Company. Sectional furnace wall. 1,789,074; Jan. 13.
Jacobus, Edward, East Orange, N. J. Machine element. 1,804,935; May 12.
Jacoby, John E., Brooklyn, assignor to La Mont Corporation, New York, N. Y. Sealing closure and applying same. 1,801,006; Apr. 14.
Jacoby, William L., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Register device. 1,791,132; Feb. 3.
Jacocks, George T. (See Laird, W. G., and Jacocks.)
Jacocks, George T., Brooklyn, assignor, by mesne assignments, to Alco Products Incorporated, New York, N. Y. Heating boiler. 1,794,335; Feb. 24.
Jacocks, George T., Brooklyn, assignor, by mesne assignments, to Alco Products Incorporated, New York, N. Y. System of heat interchange. 1,804,936; May 12.
Jacocks, George T., Brooklyn, assignor, by mesne assignments, to Alco Products Incorporated, New York, N. Y. Welding. 1,812,151; June 30.
Jacocks, George T., Larchmont, assignor, by mesne assignments, to Alco Products Incorporated, New York, N. Y. Heat-exchanger apparatus. 1,794,336; Feb. 24.
Jacopozzi, Fernand, Paris, France. Tubular incandescent lamp and support therefor. 1,792,374; Feb. 10.
Jacot, Georges, Geneva, Switzerland, assignor to Bulova Watch Company, Inc., New York, N. Y. Timepiece. 1,789,043; Jan. 13.
Jacot, Georges, Geneva, Switzerland, assignor to Bulova Watch Company, Inc., New York, N. Y. Self-winding timepiece. 1,794,622; Mar. 3.
Jacqmein, Fred L., Monroe, N. Y. Fly box. 1,815,568; July 21.
Jacquart, Charles E., South River, N. J., assignor to American Enameled Brick Corporation, New York, N. Y. Article conveyer system. 1,818,805; Aug. 11.
Jacques, George W., New Bedford, Mass., assignor to Atlas Tack Corporation, Fairhaven, Mass. Duplex fastener setting machine. 1,824,957; Sept. 29.
Jacques, Stanley A., Chicago, Ill., assignor to International Combustion Engineering Corporation. Apparatus for burning pulverized coal. 1,795,951; Mar. 10.
Jacques, Stanley A., Chicago, Ill., assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler installation. 1,835,306; Dec. 8.
Jacquesson, André, assignor of one-half to J. A. Newman and one-half to M. G. Jenkins, Morris Cove, New Haven, Conn. Claw crowbar. 1,827,363; Oct. 13.
Jacquet, Etienne. (See Senton, C. A., and Jacquet.)
Jacquet, Gaëtan. (See Beraud, A., and Jacquet.)
Jacrim Manufacturing Company. (See Rimmer, Chester A., assignor.)
Jaden, Fred I., Hastings, Nebr. Mail box. 1,810,769; June 16.
Jaeck, Oscar, Reinach, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Improving textiles. 1,802,258; Apr. 21.
Jaeck, Oscar, deceased, Reinach, near Basel, by Wolfgang Jaeck, administrator, and Fritz Schütz, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Cellulosic material and making the same. 1,812,790; June 30.
Jaeck, Wolfgang. (See Bommer, M., de Montmollin, Frohlich, Grieshaber, Jaeck, and Felix.)
Jaeck, Wolfgang. (See Felix, F., and Jaeck.)
Jaeck, Wolfgang, administrator. (See Jaeck, Oscar, deceased.)
Jaeck, Wolfgang, and J. Lang, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Production of the fast tints on acetyl cellulose. 1,796,028; Mar. 10.
Jaeck, Wolfgang, and J. Lang, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Production of fast tints on acetyl cellulose. 1,796,029; Mar. 10.
Jaeg, Joseph, Bern, Switzerland. Device for keeping warm and damp compresses for local bodily treatment. 1,825,118; Sept. 29.
Jaeger, Albert, Stade in Hanover, assignor to "Herold" Aktiengesellschaft, Hamburg, Germany. Production of varnish and enamel like coatings. 1,830,906; Nov. 10.
Jaeger, Alphons O., Crafton, assignor, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Catalytic oxidation of naphthalene. 1,809,752; June 9.
Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic esterification. 1,819,818; Aug. 18.
Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic dehydrogenation of organic compounds. 1,827,317; Oct. 13.
Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic reduction of carbonyl compounds. 1,834,621; Dec. 1.
Jaeger, Alphons O., Chicago, Ill. assignor to The Selden Company, Pittsburgh, Pa. Producing reduction products of carbon monoxide. 1,824,896; Sept. 29.
Jaeger, Alphons O., St. Louis, Mo., assignor to The Selden Company. Pittsburgh, Pa. Catalytic apparatus. 1,826,548; Oct. 6.

Jaeger, Alphons O., Chicago, Ill., assignor to The Selden Company, Pittsburgh, Pa. Producing reduction products of carbon dioxide. 1,831,179; Nov. 10.
Jaeger, Alphons O., Mount Lebanon, assignor, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Catalytic apparatus. 1,812,341; June 30.
Jaeger, Alphons O., Mount Lebanon, and H. J. West, Crafton, assignors to The Selden Company, Pittsburgh, Pa. Production of vacuums. 1,809,627; June 9.
Jaeger, Frederick W., Milwaukee, Wis. Temperature-control valve mechanism. 1,795,860; Mar. 10.
Jaeger, Frederick W., Milwaukee, Wis. Temperature control device. 1,803,708; May 5.
Jaeger, Fred., Rutherford, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method of and apparatus for producing roofing. 1,834,950; Dec. 8.
Jaeger, Gebhard, Columbus, Ohio. Water tank for concrete mixers. Re17,924; Jan. 6.
Jaeger, Gebhard, assignor to The Jaeger Machine Company, Columbus, Ohio. Packing. 1,795,129; Mar. 3.
Jaeger, Gebhard, assignor to The Jaeger Machine Company, Columbus, Ohio. Truck concrete mixer. 1,801,162; Apr. 14.
Jaeger Machine Company, The. (See Blass, Clement E., assignor.)
Jaeger Machine Company, The. (See Eggert, Joseph, assignor.)
Jaeger Machine Company, The. (See Jaeger, Gebhard, assignor.)
Jaeger Machine Company, The. (See Mandt, Obert G., assignor.)
Jaeger Machine Company, The. (See Mosel, J. H., and Bohmer, assignors.)
Jaeger, Max, and H. Espig, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Improving certain physical properties of synthetic precious stones. 1,814,219; July 14.
Jaeger, Max, Bitterfeld, E. Pokorny, Leipzig, and G. Gossrau, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Purification of iron and steel. 1,818,556; Aug. 11.
Jaeger, Walter F., Racine, Wis. Automatic damper. 1,800,076; Apr. 7.
Jaeger, William, Philadelphia, Pa., assignor to Supreme Council Order of the Amaranth, Brooklyn, N. Y. Lodge badge. Des. 83,107; Jan. 20.
Jaeger, William H., Trenton, N. J. Developing apparatus. 1,809,705; June 9.
Jaen, Elpidio A., Chicago, Ill. Automobile headlight control. 1,790,475; Jan. 27.
Jaenichen, Louis, Springfield Township, Oakland County, assignor to The Standard Computing Scale Company, Detroit, Mich. Making check rods for scales. 1,794,408; Mar. 3.
Jaenichen, Louis, Springfield Township, Oakland County, Mich., assignor to The Standard Computing Scale Company. Weighting scale. 1,800,637; Apr. 14.
Jaenichen, Louis, Springfield Township, Oakland County, assignor to The Standard Computing Scale Company, Detroit, Mich. Scale. 1,802,558; Apr. 28.
Jaenichen, Louis, Springfield Township, Oakland County, Mich., assignor to The Standard Computing Scale Company, Detroit, Mich. Scale. 1,825,317; Sept. 29.
Jaenichen, Louis, Springfield Township, Oakland County, assignor to The Standard Computing Scale Company, Detroit, Mich. Scale. 1,833,164; Nov. 24.
Jaenichen, Louis, Springfield Township, Oakland County, assignor to The Standard Computing Scale Company, Detroit, Mich. Scale platform lifting device. 1,833,576; Nov. 24.
Jaenicke, Johannes. (See Müller, G., and Jaenicke.)
Jaffé, Herman, New York, N. Y. Implement retriever. 1,799,688; Apr. 7.
Jager, Earl F., Chicago, Ill. Door operating and locking device. 1,823,453; Sept. 15.
Jager, Otto. (See Strom, M., and Jager.)
Jager, Peter, Bedford, Ind. Grain cutter and binder. 1,833,836; Nov. 24.
Jaggar, Herbert, Huddersfield, England. Brake-operating mechanism for vehicles. 1,797,148; Mar. 17.
Jaggard, George R., Philadelphia, Pa. Siphon flush. 1,792,588; Feb. 17.
Jagger, Fred, Detroit, Mich. Tie for holding veneer on concrete walls. 1,831,565; Nov. 10.
Jagschitz, Konrad, Mainz, Germany, and P. M. Kuehn, Baltimore, Md., assignors of one-half to Maschinenfabrik Augsburg-Nurnberg, A. G., Nuremberg, Germany, and one-half to The Bartlett Hayward Company, Baltimore, Md. Gasometer. 1,829,519; Oct. 27.
Jahn, Emil C. R., assignor to Harrington Manufacturing Company, Harrington, Wash. Shoe bearing. 1,831,119; Nov. 10.
Jahn, Herbert. (See Givone, W., and Jahn.)
Jahn, Raymond F., Brooklyn, N. Y. Printing and stamping machine. 1,811,582; June 23.
Jahn, Raymond F., Brooklyn, N. Y. Printing and stamping machine. 1,811,583; June 23.
Jahns, Chauncey F., Schuyler, Nebr. Pipe coupling. 1,803,472; May 5.
Jahnke, Charles B., and A. C. Boock, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Power plant. 1,801,086; Apr. 14.
Jahnke, Erich F., Appleton, Wis. Speaking clock. 1,822,813; Sept. 8.
Jahoda, Klara et al. Heiresses. (See Jahoda R., and Lilienfeld, assignors.)
Jahoda, Rudolf, deceased, and L. Lilienfeld; K. Jahoda and A. Ranki, heiresses, assignors to L. Lilienfeld, Vienna, Austria. Fluorescent screen for X-rays and material used in making same. 1,817,005; Aug. 4.
Jahraus, Harold A. (See La Follette, C. D., and Jahraus.)
Jaicks, Wilson A., Chicago, Ill. Mixing concrete. 1,815,357; July 21.
Jakob, Victor, assignor to Walker Manufacturing Company, Racine, Wis. Hydraulic lifting jack. 1,799,298; Apr. 7.
Jakobsen, B. F., et al. (See Vogt, Fredrik, assignors.)
Jakobson, Julius, Berlin, Germany. Collar. 1,834,539; Dec. 1.
Jakobson, Thomas P., assignor of one-half to E. M. Kling, Los Angeles, Calif. Music leaf turner. 1,806,803; May 26.
Jakopec, George and Josip Samu, Chicago, Ill. Magic cards and planetary calculator. 1,817,824; Aug. 4.
Jakopec, George, J. F. Salley, and V. Schwartz, Chicago, Ill. Burglar alarm. 1,820,805; Aug. 25.
Jakosky, John J., assignor to International Precipitation Company, Los Angeles, Calif. Inductance coil. 1,792,375; Feb. 10.
Jakosky, John J., assignor to The Radiore Company, Los Angeles, Calif. Method and apparatus for locating conductive bodies. 1,792,910; Feb. 17.
Jakowsky, Jay J., Wilkinsburg, Pa., assignor to C & C Developing Company, Kansas City, Mo. Converting hydrocarbons. 1,792,744; Feb. 17.
Jakosky, John J., assignor to The Radiore Company, Los Angeles, Calif. Method and apparatus for locating unknown conductive bodies. 1,811,547; June 23.
Jakosky, John J., Los Angeles, Calif., assignor to C & C Developing Company, Kansas City, Mo. Apparatus for electrical treatment of fluids. 1,815,149; July 21.
Jakosky, John J., assignor to The Radiore Company, Los Angeles, Calif. Determining the character of ore bodies. 1,818,331; Aug. 11.
Jali, Peter V., and F. C. Worrall, Portland, Oreg. Alfalfa mill. 1,798,676; Mar. 31.
Jaloustre, Leon. (See Jabouley, Joanny B., assignor.)
Jalowetz, Eduard, and M. Hamburg, Vienna, Austria. Obtaining malt enzymes and beverage. 1,826,790; Oct. 13.
Jamaica Sea Airport. (See Traver, Philip C., assignor.)
James, Albert S., Eureka, Calif. Aircraft. 1,826,076; Oct. 6.
James, Anna E., Chicago, Ill. Ironing board. 1,796,714; Mar. 17.
James, Edward J. (See McDougall, Edward J., assignor.)
James, Charles H. (See Kessler, E., and James.)
James, Charles H., Oakland, Calif., assignor to United Autographic Register Co., Chicago, Ill. Manifolding device. 1,831,495; Nov. 10.
James, Charles T., Los Angeles, Calif. Safety cage window. 1,804,776; May 12.
James, Cleveland A., assignor to R. P. Shick, Philadelphia, Pa. Highway danger reflector. 1,795,952; Mar. 10.
James, Clifford J., and J. James, Detroit, Mich. Basket holder. 1,818,400; Aug. 11.
James, Cyril H. (See Holmes, W., and James.)
James, Edward, Cleveland, assignor, by mesne assignments, to H. E. Smith, Cleveland Heights, Ohio. Flexible conduit and making the same. 1,819,175; Aug. 18.
James, Edward N., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,797,421; Mar. 24.
James, Edwin T., Tasman, Nelson, New Zealand. Wire tightening device. 1,807,479; May 26.
James, Enos P., San Diego, Calif. Drum snare. 1,816,328; July 28.
James, Francis F., Philadelphia, Pa. Automatically adjustable connection for shackle bolts. 1,819,176; Aug. 18.
James, Gilbert E. (See Williams, L. E., and James.)
James, Henry D. (See White, H. E., and James.)
James, Henry D., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,794,961; Mar. 3.
James, Henry D., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,802,765; Apr. 28.
James, Henry D., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Garage elevator. 1,819,513; Aug. 18.
James, Henry D., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Garage elevator. 1,819,514; Aug. 18.
James, Henry D., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,819,465; Aug. 18.
James, Henry N., Chicago, Ill. Apparatus for the rectification and amplification of sound waves. 1,829,899; Nov. 3.
James, Hettie, Seattle, Wash. Electric cooker. 1,814,754; July 14.
James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Extracting oxidized bodies from oxidized hydrocarbon mixtures. 1,835,600; Dec. 8.

James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Manufacture of intermediate oxidation products. 1,836,325; Dec. 15.
James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Manufacture of intermediate oxidation products and apparatus therefor. 1,836,326; Dec. 15.
James, Lester A., Oklahoma City, Okla. Heating and cooling device for inclosed spaces. 1,826,471; Oct. 6.
James Manufacturing Company. (See Markey, George T., assignor.)
James Manufacturing Company. (See Olson, John B., assignor.)
James Manufacturing Company. (See Shodron, John G., assignor.)
James, Parker H., and H. C. Woodsmall, Indianapolis, Ind. Machine for cutting designs in glass. 1,812,485; June 30.
James, Roy W., Covina, Calif. Projectile. 1,817,377; Aug. 4.
James, Thomas, jr., Philadelphia, Pa. Piston and piston ring. 1,813,930; July 14.
James, Thomas W., assignor to Lubri-Graph Corporation, Cleveland, Ohio. Spraying liquids. 1,827,583; Oct. 13.
James, William, assignor of one-half to C. Hall, Portland, Oreg. Seal cutter. 1,836,030; Dec. 15.
James, William S. (See Stratford, C. W., and James.)
James, William S., assignor to The Studebaker Corporation, South Bend, Ind. Brake operating means. 1,809,973; June 16.
James, William T., Chicago, Ill. Steering mechanism. 1,823,325; Sept. 15.
Jameson, Albert J., Worcester, Mass. Quick acting vise. 1,812,096; June 30.
Jameson, Eloise, and E. D. Stewart, Corona, and C. P. Wilson, Pomona, assignors to California Fruit Growers Exchange, Los Angeles, Calif. Food product and making the same. 1,810,276; June 16.
Jameson, Thomas, assignor to The Gilchrist Company, Newark, N. J. Ice-cream disher. 1,789,588; Jan. 20.
Jamieson, Aubrey C., Kew, J. F. Gardiner, Gardenvale, and W. J. McDonald, Preston, Australia. Hydraulically operated air compressor and the like. 1,804,876; May 12.
Jamieson, C. E., & Company. (See Russell, J. L., and Melton, assignors.)
Jamieson, Joseph, Balmain, near Sydney, New South Wales, Australia. Apparatus for cutting metal and other materials. 1,815,736; July 21.
Jamieson, Marcia B., Houston, Tex. Heel cushion for automobiles. 1,809,706; June 9.
Jamison, Charles A., assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Hammer mill. 1,801,604; Apr. 21.
Jamison, Charles A., assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Hammer crusher. 1,824,272; Sept. 22.
Jamison, Frank E., Kansas City, Kans. Multi-color printing press. 1,815,622; July 21.
Jamison, Tobias H., Oakdale, assignor of one-half to M. J. Ruddy, Modesto, Calif. Power lift scraper. 1,817,985; Aug. 11.
Jamison, Wayne R., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Asymmetric conductor of electricity. 1,796,372; Mar. 17.
Janalik, Alois J., New York, N. Y. Water deflector. 1,827,009; Oct. 13.
Jancsy, Henry G., Everett, Mass. Refrigerating apparatus. 1,816,585; July 28.
Janda, Anna, Chicago, Ill. Water waving comb. 1,818,401; Aug. 11.
Janda, Joseph, Ridgewood, N. Y. Vacuum-cup device. 1,800,218; Apr. 14.
Janda, Joseph, Brooklyn, N. Y. Saw-frame. 1,820,457; Aug. 25.
Jandoc, Antonio, Great Lakes, Ill. Water proof watch-case. 1,802,080; Apr. 21.
Jandoc, Antonio, and B. A. Lagmay, Wilmette, Ill. Ventilated shoe. 1,804,533; May 12.
Jänecke, Ernst, Heidelberg, H. Klippel, Ludwigshafen-on-the-Rhine, and E. Hegelmann, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Treatment of crude mineral salts. 1,813,575; July 7.
Janes, Edmund D., assignor to Scovill Manufacturing Company, Waterbury, Conn. Carpet fastener and assembling same in carpet. 1,835,494; Dec. 8.
Janette, John T., Chicago, Ill. Mechanically-operated valve apparatus. 1,798,422; Mar. 31.
Janeway, Robert N. (See Syrovy, A. J., and Janeway.)
Janik, Eduard, Vienna, Austria. Automatic variable speed gear. 1,828,606; Oct. 20.
Janisse, Jeremiah A., Detroit, Mich. Tie. 1,800,535; Apr. 14.
Janke, Erthold C., assignor to Jayem Manufacturing Company, Milwaukee, Wis. Shoe. 1,798,470; Mar. 31.
Janke, Erthold C., assignor to Jayem Manufacturing Company, Milwaukee, Wis. Boot. 1,798,471; Mar. 31.
Jannek, Josef, and O. Göhre, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of soluble products from solid carbonizable substances. 1,822,349; Sept. 8.
Jannell, Leslie D., Sherborn, Mass. Bevel protractor for rafters. 1,827,014; Oct. 13.

Janney, Edward K., Buena Vista, Va. Safety hasp. 1,805,401; May 12.
Janning, René. (See Adam, A. E., and Janning.)
Jannings, Stephen P., St. Louis, assignor of one-half to J. A. Mosley, Jennings, Mo. Drinking cup or container. 1,800,534; Apr. 14.
Jannson, Axel J., and G. W. Smith, Flint, assignors to General Motors Corporation, Detroit, Mich. Engine mounting. 1,823,429; Sept. 15.
Janonis, George J., Dearborn, Mich. Door latch mechanism. 1,833,945; Dec. 1.
Janovsky, Joseph, New York, and J. J. Lange, Astoria, assignors to Abbot Coin Counter Company, New York, N. Y. Coin counting machine. 1,811,503; June 23.
Jansen, Emile, assignor to General Paint Corporation, San Francisco, Calif. Pipe-coating machine. 1,796,691; Mar. 17.
Jansky, Otto L., Pittsburgh, Pa. Spray device. 1,813,623; July 7.
Janson, George W., Nutley, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Switchboard signal system. 1,814,931; July 14.
Jansse, Webster E., New York, N. Y. Piano case. 1,790,008; Jan. 27.
Janssen, Charles F., New York, N. Y. Tackle block. 1,794,176; Feb. 24.
Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Highway sign. Des. 83,678; Mar. 17.
Janssen, Henry, assignor to Texile Machine Works, Wyomissing, Pa. Illuminated street sign. Des. 83,679; Mar. 17.
Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Ash receiver. Des. 84,939; Aug. 25.
Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Braiding carrier. 1,817,626; Aug. 4.
Janssen, Raymond, Estherville, Iowa. Harrow cleaner. 1,832,555; Nov. 17.
Jansson, Axel J., Flint, assignor to General Motors Corporation, Detroit, Mich. Rubber spring shackle. 1,792,842; Feb. 17.
Jansson, Axel J., Flint, assignor to General Motors Corporation, Detroit, Mich. Cushion connection. 1,803,937; May 5.
Jansson, Axel J., Flint, assignor to General Motors Corporation, Detroit, Mich. Rubber spring shackle. 1,825,352; Sept. 29.
Jansson, Axel J., Flint, assignor to General Motors Corporation, Detroit, Mich. Radiator mounting. 1,833,424; Nov. 24.
Jansson, Gustav E., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Oil-filled insulating bushing. 1,788,395; Jan. 13.
Jansson, Gustav E., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Insulating bushing and electrostatic potential transformer. 1,788,873; Jan. 13.
Jansson, Gustav E., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Contact structure for electric switches. 1,802,346; Apr. 28.
Jansson, Gustav E., Wellaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. High tension direct current transmission. 1,806,351; May 19.
Jansson, Gustav, Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Insulator. 1,811,887; June 30.
Jansson, Gustav, Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Insulator. 1,816,852; Aug. 4.
Jansson, Gustav E., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Synchronizing switch. 1,825,150; Sept. 29.
Jansson, Gustav E., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and condenser. 1,828,840; Oct. 27.
Jansson, Gustav E., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Condenser type bushing for high tension electric conductors. 1,834,212; Dec. 1.
Jantsch, Victor, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Battery support. 1,791,815; Feb. 10.
Jantsch, Victor, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Underslung tire carrier. 1,803,938; May 5.
Jantz, Carl C., St. Louis, Mo. Automobile radiator ornament. Des. 83,808; Mar. 31.
Jantz, Gustave H., Wyoming, Ohio. Wringer. 1,810,479; June 16.
Jantzen Knitting Mills. (See Bergh, Philip, assignor.)
Janzen, Jetze W., The Hague, assignor to Naamlooze Vennootschap: Glasfabriek "Leerdam", voorheen Jeekel, Mijnssen & Co., Leerdam, Netherlands. Open glass box-shaped building element. 1,798,088; Mar. 24.
Jaques, Fernando O., jr., Providence, R. I. Micrometer caliper. 1,795,778; Mar. 10.
Jardine, A. B., & Company Limited. (See Jardine, James V., assignor.)
Jardine, Frank, assignor, by mesne assignments, to The Cleveland Trust Company, as trustees, Cleveland, Ohio. Piston. 1,819,998; Aug. 18.
Jardine, Frank, and J. Cooper, assignors, by mesne assignments, to The Cleveland Trust Company, trustee, Cleveland, Ohio. Piston. 1,835,874; Dec. 8.

Jardine, Frank, and J. J. Cooper, assignors, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,835,875; Dec. 8.
Jardine, George W., Waltham, Mass. Spring for bed ridden patients. 1,839,033; Dec. 29.
Jardine, James V., Hespeler, Ontario, assignor to A. B. Jardine & Company Limited, Hespeler, Canada. Pipe-threading apparatus. 1,797,422; Mar. 24.
Jardine, Robert. (See Hervig, R., and Jardine.)
Jardine, Robert, assignor to Rich Tool Company, Detroit, Mich. Making a valve. 1,823,454; Sept. 15.
Jardine, Robert, Detroit, Mich., assignor to Rich Tool Company Chicago, Ill. Making composite valves. 1,826,549; Oct. 6.
Jardine, Robert, Detroit, Mich., assignor to Wilcox-Rich Corporation. Dual exhaust port and valve cooling arrangement. 1,827,699; Oct. 13.
Jardine, Thomas R. (See Gaston, Mittie O., and James.)
Jarecki Manufacturing Co. (See Harrison, Charles P., assignor.)
Jarmin, James B., Dallas, Tex. Road machine. 1,812,296; June 30.
Jarmin, James B., Dallas, Tex. Road machine. 1,812,342; June 30.
Jarmusz, Pauline, Gary, Ind. Bathtub. 1,825,188; Sept. 29.
Jarnier, Julien H., Paris, France. Arrangement of perforations in cinematographic films. 1,822,350; Sept. 8.
Jaros, Edward T. (See Jaros, Frank J. and E. T.)
Jaros, Frank J. and E. T., Chicago, Ill. Automobile signaling device. 1,810,968; June 23.
Jarratt, Walter J. (See Grange, Leo O., assignor.)
Jarrell, W. G. Machine Company. (See Webb, Adolphus M., assignor.)
Jarrett, Dilmus L. (See Slachter, James H., assignor.)
Jarrow, Harry W., Chicago, Ill. Gasket. 1,837,443; Dec. 22.
Jarvela, Karl, Ashtabula, Ohio. Automatic door operating mechanism. 1,838,225; Dec. 29.
Jarvies, Thomas B., Kansas City, Mo. Vapor heating system. 1,799,467; Apr. 7.
Jarvis, Brewster H., Chicago, Ill., assignor, by mesne assignments, to C. A. Dunham Company, Marshalltown, Iowa. Steam heating system. 1,802,383; Apr. 28.
Jarvis, Brewster H., Arlington Heights, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Steam heating system. 1,802,384; Apr. 28.
Jarvis, Charles H., assignor to United Steel & Wire Company, Battle Creek, Mich. Price tag holder. 1,817,151; Aug. 4.
Jarvis, Charles H., assignor to United Steel & Wire Company, Battle Creek, Mich. Poultry or animal crate. 1,834,951; Dec. 8.
Jarvis, Edgar B., assignor to Mary J. J. Jarvis, Toronto, Ontario, Canada. Humidifier and smoke-consumer systems. 1,791,816; Feb. 10.
Jarvis, Frederick W., assignor to Creed and Company, Limited, Croydon, Surrey, England. Telegraph circuits. 1,834,279; Dec. 1.
Jarvis, Graham W., assignor of one-half to J. E. Shepherd, Charlottesville, Va. Adjustable fuel burning nozzle. 1,827,235; Oct. 13.
Jarvis, Henry M., assignor of three-fourths to C. G. Cox, Winfield, Kans. Pumping jack. 1,799,015; Mar. 31.
Jarvis, Mary J. J. (See Jarvis, Edgar B., assignor.)
Jarvis, Perry G., Minnora, W. Va. Wire stitcher. 1,804,502; May 12.
Jarvis, W. B., Company. (See Jarvis, William B., assignor.)
Jarvis, W. B., Company. (See Ruppel, Frederick C., assignor.)
Jarvis, William B., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Latch handle. Des. 83,809; Mar. 31.
Jasgur, Samuel, Brooklyn, N. Y. Window shade holder. 1,802,819; Apr. 26.
Jasina, John, Detroit, Mich. Tie fastener. 1,831,496; Nov. 10.
Jasinski, Andrew G., Chicago, Ill. License-plate and sign-display unit. 1,791,274; Feb. 3.
Jasinski, Wladyslaw, Chicago, Ill. Walking cane. 1,828,144; Oct. 20.
Jasinsky, William I. (See Michaelis, V. H., and Jasinsky.)
Jasper, Thomas M., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electrically welding tubular connections for thick-walled vessels. 1,787,580; Jan. 6.
Jasperson, Victor A. (See Lansberry, G. A. Hartman, and Jasperson.)
Jaubert, George F., Paris, France. Colloidal diaphragm adapted for use in electrolytic apparatus for the manufacture of hydrogen and oxygen. 1,837,050; Dec. 15.
Jaspert, William B., Pittsburgh, Pa. Tile floor. 1,787,480; Jan. 6.
Jaspert, William B., Pittsburgh, Pa. Tile floor. 1,788,432; Jan. 13.
Jaspert, William B., Pittsburgh, Pa. Putting receptacle for golf games. 1,833,524; Nov. 24.
Jaspert, William B., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission for earth boring machines. 1,801,865; Apr. 21.
Jasus, John, assignor of one-half to A. Levy, Danville, Ill. Forming composite heels. 1,797,090; Mar. 17.
Jauch, Erhard, assignor to Kienzle Uhrenfabrieken A. G., Schwenningen - on - the - Neckar, Germany. Electrical striking mechanism for clocks. 1,789,044; Jan. 13.
Jauch, Martin, assignor to New Jersey Clock Company, Newark, N. J. Clock case. Des. 83,810; Mar. 31.
Jaumann, Andreas, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt near Berlin, Germany. Constant potential device. 1,819,604; Aug. 18.
Javery, Armon J. (See Remington, A. L., and Javery.)
Jaworowski, Joseph F., assignor of two-ninths to S. E. Dettelbach, one-third to S. W. Emerson, and one-ninth to E. A. Hahn, Cleveland, Ohio. Rotary pump. 1,827,088; Oct. 13.
Jaworowski, Joseph F., assignor of one-half to S. E. Dettelbach, Cleveland, Ohio. Rotary pump. 1,837,714; Dec. 22.
Jaworsky, Michael, Chicago, Ill. Closure. 1,810,019; June 16.
Jaxheimer, William H., assignor to Smith Drum & Company, Philadelphia, Pa. Washing machine. 1,807,214; May 26.
Jay, Marcel. (See Veyssiere, F., Jay, and Mondon.)
Jay, William C., assignor to Sanitary Products Corporation of America, Philadelphia, Pa. Suction plate machine. 1,809,852; June 16.
Jayem Manufacturing Company. (See Janke, Erthold C., assignor.)
Jayet, Alois, assignor to Leclanche S. A., Yverdon, Switzerland. Electrical condenser. 1,812,241; June 30.
Jayne, Ames R., Tacoma, Wash., assignor to Globe Machine Manufacturing Company. Wood patch making machine. 1,816,853; Aug. 4.
Jayne, David W., jr. (See Christmann, L. J., and Jayne.)
Jeanneret, Abram L., assignor to Comptoir General de Vente de la Montre Roskopf Societe Anonyme vve. Chs. Leon Schmid & Cie., La Chaux-De-Fonds, Switzerland. Lighting device for key rings. 1,816,779; July 28.
Jeanneret, Abram L., La Chaux-de-Fonds, assignor to J. Weil, Geneva, Switzerland. Timepiece. 1,825,906; Oct. 6.
Jeannet, Emil J., Portland, Oreg. Sanitary toothbrush holder. 1,795,723; Mar. 10.
Jearnberg, Hjalmar C., Chicago, Ill. Waste basket. 1,789,045; Jan. 13.
Jeavons, William R., Cleveland Heights, Ohio. Refrigerator. 1,809,900; June 16.
Jeavons, William R., Cleveland Heights, and M. J. Rentschler, Willoughby, Ohio. Treating clay. 1,808,231; June 2.
Jeckert, Joseph F., Clifton, N. J. Amusement device. 1,832,711; Nov. 17.
Jeffares, William C., et al. (See Pehl, Andrew J., assignor.)
Jefferson Electric Company. (See Johnson, Chester A., assignor.)
Jefferson Electric Company. (See Kellner, Louis, assignor.)
Jefferson Electric Company. (See McDonald, C. T., and Cook, assignors.)
Jefferson, Eugene D., Boston, assignor to Rodney Hunt Machine Company, Orange, Mass. Method and apparatus for treating textiles. 1,789,953; Jan. 20.
Jefferson, Eugene D., Boston, assignor to Rodney Hunt Machine Company, Orange, Mass. Method and apparatus for treating textiles. 1,800,639; Apr. 14.
Jefferson, Glen V. (See Bartusch, A. P., and Jefferson.)
Jefferson, Glen V., Swissvale, and E. G. Little, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 1,833,679; Nov. 24.
Jeffress, Richard C., Skipwith, Va. Plow attachment. 1813,854; June 7.
Jeffrey, Harold M., Methuen, assignor to Patent Protection Corporation, Lowell, Mass. Bobbin transfer feeler. 1,805,548; May 19.
Jeffrey, M. L., Corporation, The. (See Jeffrey, M. L., Eickhoff, and Sanborn, C., assignors.)
Jeffrey Manufacturing Company, The. (See Bauroth, Walter J., assignor.)
Jeffrey Manufacturing Company, The. (See Briggs, Robert E., assignor.)
Jeffrey Manufacturing Company, The. (See Coseo, Frederick C., assignor.)
Jeffrey Manufacturing Company. (See Fisher, Dudley T., assignor.)
Jeffrey Manufacturing Company, The. (See Francis, Earle V., assignor.)
Jeffrey Manufacturing Company, The. (See Francisco, George D., assignor.)
Jeffrey Manufacturing Company, The. (See Kienzle, Charles J., assignor.)
Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
Jeffrey Manufacturing Company, The. (See Levin, N. D., and Muller, assignors.)
Jeffrey Manufacturing Company. (See Mitchell, Lewis E., assignor.)
Jeffrey Manufacturing Company, The. (See Liggett, William K., assignor.)
Jeffrey Manufacturing Company, The. (See McPherson, John W., assignor.)
Jeffrey Manufacturing Company, The. (See Montgomery, William J., assignor.)
Jeffrey Manufacturing Company, The. (See Richardson, Conley W., assignor.)
Jeffrey Manufacturing Company, The. (See Waxbom, C. E.)

Jeffrey, Max L., Shaker Heights, Ohio. Recording apparatus. 1,835,220; Dec. 8.
Jeffrey, Max L., T. H. Eickhoff, and F. D. Sanborn, jr., assignors, by mesne assignments, to The M. L. Jeffrey Corporation, Cleveland, Ohio. Electromagnet. 1,838,836; Dec. 29.
Jeffrey, Melvin R., Missoula, Mont. Fish control apparatus. 1,804,989; May 12.
Jeffries, Carl F. (See Baer, C. J., and Jeffries.)
Jeffries, Mack D., Boston, Mass. Holder for containers. 1,812,440; June 30.
Jeglum, Ole F. Malta, and R. E. Hartwick, Regina; said Hartwick assignor to R. N. Rude, Malta, Mont. Detachable spade lug for tractors. 1,815,150; July 21.
Jehle, Ferdinand, W. R. Spiller, and H. M. King, assignors to The White Motor Company, Cleveland, Ohio. Testing instrument. 1,800,640; Apr. 14.
Jelinek, Gustav A., Cicero, assignor to Edison Electric Appliance Company, Chicago, Ill. Toaster. 1,792,376; Feb. 10.
Jellicoe, Richard H. (See Page, D. C., and Jellicoe.)
Jellicoe, Richard H., assignor to The Heald Machine Company, Worcester, Mass. Chuck. 1,812,006; June 30.
Jellicoe, Richard H., assignor to The Heald Machine Company, Worcester, Mass. Chuck. 1,823,902; Sept. 22.
Jencick, Stephen, Chagrin Falls, Ohio. Hydraulic shock absorber. 1,808,924; June 9.
Jenezon, Albert C., Baltimore, Md. Parachute. 1,803,903; May 5.
Jenick, Stephen, Chagrin Falls, Ohio. Air pumping device for use with pneumatic tires. 1,838,627; Dec. 29.
Jenisch, Carl. (See Moore, J. V., and Jenisch.)
Jenkin, Robert C. G., assignor to Wrights' Ropes Limited, Birmingham, England. Wire rope. 1,822,219; Sept. 8.
Jenkins & Adair, Inc. (See Jenkins, J. E., and Adair, assignors.)
Jenkins, Alexander F., Baltimore, Md. Paint-spraying apparatus. 1,800,451; Apr. 14.
Jenkins Bros. (See Yardley, Farnham, assignor.)
Jenkins, C. Francis, Inc. (See Jenkins, Charles F., assignor.)
Jenkins, Carl H. (See Smith, Earl H., assignor.)
Jenkins, Charles F., assignor, to C. Francis Jenkins, Inc., Washington, D. C. Airplane-propeller gear. 1,798,740; Mar. 31.
Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Scanning device. 1,828,867; Oct. 27.
Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Pen-box ink-feed. 1,835,054; Dec. 8.
Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Collapsible shutter for projectors. 1,837,776; Dec. 22.
Jenkins, Charles H., Chicago, Ill., assignor to Jenkins Petroleum Process Company. Processes and apparatus for treating heavier hydrocarbons. 1,827,018; Oct. 13.
Jenkins, Clella, Moberly, Mo. Pocket in garments. 1,832,214; Nov. 17.
Jenkins, David E. (See Corrigan, M. C., and Jenkins.)
Jenkins, Emerson, Danville, Ill. Headlight adjusting device. 1,838,226; Dec. 29.
Jenkins, Forrest L., Wheaton, assignor to Western Foundation Company, Chicago, Ill. Expanding pile core. 1,827,015; Oct. 13.
Jenkins, Frederick A. E., Canterbury, near Sydney, Australia. Electrical water heater. 1,820,458; Aug. 25.
Jenkins, George A., Philadelphia, Pa. Semibuoyant aircraft. 1,821,061; Sept. 1.
Jenkins, Howard H., assignor to American Concrete Pipe Company, Los Angeles, Calif. Sectional form for making reenforced piles. 1,816,586; July 28.
Jenkins, Howard H., Los Angeles, Calif., assignor to American Concrete Pipe Co., Los Angeles, Calif. Reenforcement cage. 1,830,202; Nov. 3.
Jenkins, John E., and S. E. Adair, assignors to Jenkins & Adair, Inc., Chicago, Ill. Electrical transmitter. Des. 83,540; Mar. 3.
Jenkins, John E., and S. E. Adair, assignors to Jenkins & Adair, Inc., Chicago, Ill. Condenser transmitter apparatus. 1,790,505; Jan. 27.
Jenkins, Joseph H. J., assignor to W. V. Jenkins, Baltimore, Md. Mechanical display device. 1,835,876; Dec. 8.
Jenkins Laboratories. (See Jenkins, Charles F., assignor.)
Jenkins, Morris G., et al. (See Jacquesson, André, assignor.)
Jenkins, Paul S. (See Frank, H. J. L., and Jenkins.)
Jenkins, Peter, Fort Worth, Tex. Cloth cutting machine. 1,812,406; June 30.
Jenkins Petroleum Process Company. (See Jenkins, Charles H., assignor.)
Jenkins Petroleum Process Company. (See Jenkins, Ulysses S., assignor.)
Jenkins, Rosser E., Farr, Colo. Loading machine. 1,819,515; Aug. 18.
Jenkins, Russell H., et al. (See Ewing, Emma L., assignor.)
Jenkins, Russell L. (See McCullough, C. R., and Jenkins.)
Jenkins, Russell L., J. H. Karrh, and C. R. McCullough, Anniston, Ala., assignors to Swann Research, Inc. Inhibitor. 1,809,041; June 9.
Jenkins, Russell L., and C. G. Hardy, Anniston, Ala., assignors to Swann Research, Incorporated. Sealing composition. 1,822,033; Sept. 8.
Jenkins, Russell L., Anniston, Ala., and J. F. Norris, Cambridge, Mass., assignors to Swann Research, Inc. Porous silica catalyst and preparing same from chrysocolla. 1,835,055; Dec. 8.
Jenkins Television Corporation. (See Huffman, Charles E., assignor.)
Jenkins Television Corporation. (See Nason, Charles H. W., assignor.)
Jenkins, Ulysses S., assignor to Jenkins Petroleum Process Company, Chicago, Ill. Transformation of petroleum hydrocarbons into gasoline. 1,814,042; July 14.
Jenkins, Vance N., and C. P. Wilson, jr., Port Arthur, Tex., assignors by mesne assignments to The Texas Company, New York, N. Y. Treating hydrocarbons. 1,825,270; Sept. 29.
Jenkins, Warren V. (See Jenkins, Joseph H. J., assignor.)
Jenkins, Wilde E., Macon, Ga. Tide power apparatus. 1,819,749; Aug. 18.
Jenkins, William J., and F. A. Bauroth, assignors to Chrysler Corporation, Detroit, Mich. Multiple nut holding plate. 1,835,710; Dec. 8.
Jenkins, William M., Dalhart, Tex. Equipment of air brakes on locomotives. 1,815,671; July 21.
Jenkinson, Ross E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Stitcher disk. 1,838,057; Dec. 22.
Jenks, Barton P., assignor to Gorham Mfg. Co., Providence, R. I. Spoon or simlar article. Des. 83,680; Mar. 17.
Jenks, Harry N., Sacramento, Calif. Water treatment device. 1,805,667; May 19.
Jenks, John S. (See Wright, W. F., and Jenks.)
Jenks, Louis W. (See Bow, E., and Jenks.)
Jenks, Walter, London, England. Apparatus for filtering and treating air. 1,801,506; Apr. 21.
Jennejohn, John C., Cudahy, Wis., assignor to Utility Manufacturing Co. Fluid lock for vulcanizers. 1,801,605; Apr. 21.
Jennerjahn, Walter. (See Pomplum, E., and Jennerjahn.)
Jenness, Leslie G. (See Fink, C. G., and Jenness.)
Jenness, Leslie G., Brooklyn, assignor to Intermetal Corporation, New York, N. Y. Reduction of metals from ores. 1,834,622; Dec. 1.
Jennings, Ben G., Dallas, Tex. Tractor. 1,812,958; July 7.
Jennings, Ben G., assignor of one-half to M. R. Spellman, Dallas, Tex. Gas burner. 1,833,577; Nov. 24.
Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch system. 1,833,873; Nov. 24.
Jennings, Chester S., and L. C. Allen, Syracuse, assignors to The Lamson Company, Syracuse, N. Y. Deflector control mechanism. 1,803,391; May 5.
Jennings, Henry B., jr., Leesburgh, Va. Loose-leaf binder. 1,788,303; Jan. 6.
Jennings, Henry M., Hillsboro, Tex. Internal-combustion-engine piston. 1,800,077; Apr. 7.
Jennings, Irving C., South Norwalk, Conn. Hydroturbine pump. 1,797,980; Mar. 24.
Jennings, Irving C., South Norwalk, Conn. Method of and apparatus for burning oil. 1,803,190; Apr. 28.
Jennings, Irving C., South Norwalk, Conn. Air vent controlling mechanism for centrifugal pumps. 1,803,191; Apr. 28.
Jennings, Irving C., South Norwalk, Conn. Vent valve for sewage ejectors. 1,817,196; Aug. 4.
Jennings, Irving C., South Norwalk, Conn. Vacuum steam heating system. 1,832,398; Nov. 17.
Jennings, Irving C., assignor to Nash Engineering Company, South Norwalk, Conn. Steam turbine driven vacuum heating apparatus. Re18,275; Dec. 8.
Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Container for cosmetics, etc. 1,793,550; Feb. 24.
Jennings, Nathan A., Stockton, Calif. Fancy work machine. 1,809,241; June 9.
Jennings, O. D., & Company. (See Jennings, O. D., and Gilmore, assignors.)
Jennings, Ode D., Palatine, and C. B. Gilmore, assignor to O. D. Jennings & Company, Chicago, Ill. Vending machine. 1,788,523; Jan. 13.
Jennings, Oliver S., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,794,901; Mar. 3.
Jennings, Oliver S., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,801,866; Apr. 21.
Jennings, Oliver S., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker contact. 1,802,718; Apr. 28.
Jennings, Oliver S., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,820,704; Aug. 25.
Jennings, Oliver S., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit breaker. 1,809,275; June 9.
Jennings, R. G. Yarn Cleaning Machine Co. Inc., The. (See Jennings, Robert G., assignor.)
Jennings, Robert G., assignor, to The R. G. Jennings Yarn Cleaning Machine Co. Inc., Elmira, N. Y. Textile fabric. 1,799,016; Mar. 31.
Jennings, Mrs. S. C., administratrix. (See Jennings, Sherman C.)

Jennings, Sherman C., deceased, Winston-Salem, N. C.; Mrs. S. C. Jennings, administratrix. Plastic compound. 1,826,002; Oct. 6.
Jennison, Herbert C., Bridgeport, assignor to The American Brass Company, Waterbury, Conn. Electric conductor. 1,810,079; June 16.
Jenny, Willy P., Strasburg, Ohio, assignor to the firm Exploration G. m. b. H., Hanover, Germany. Apparatus for taking geophysical measurements by means of a rotatable balance. 1,791,413; Feb. 3.
Jenrich, William A., Chicago, Ill. Envelope. 1,823,362; Sept. 15.
Jensch, Heinrich, Hochst-on-the-Main, Germany, assignor to Winthrop Chemical Company Inc., New York, N. Y. Tertiary amines containing the 1-amino-2-hydroxypropyl residue. 1,790,096; Jan. 27.
Jensen, Aage. (See Heinemann, A. F., and Jensen.)
Jensen, Aage, Los Angeles, Calif. Apparatus for removing and recovering substances adhering to interior of liquid containers. 1,799,819; Apr. 7.
Jensen, Albert O., Omaha, Nebr. Christmas-tree support. 1,792,307; Feb. 10.
Jensen, Amos V., assignor to Viking Pump Company, Cedar Falls, Iowa. Rotary pump. 1,799,237; Apr. 7.
Jensen, Axel G., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polyphase vacuum-tube oscillator. 1,788,720; Jan. 13.
Jensen, Bertel M., Huntington Beach, assignor to W. D. Shaffer, Brea, Calif. Blow out preventer. 1,812,297; June 30.
Jensen, Carl C., Chicago, Ill. Wood joining. 1,814,702; July 14.
Jensen, Charles E., assignor of one-half to A. H. Wethey, jr., Portland, Oreg. Cable clamp. 1,803,619; May 5.
Jensen Creamery Machinery Co. (See Cornell, Fritz G., jr., assignor.)
Jensen, Edward M., Seattle, Wash. Sound head for motion-picture projectors. 1,797,149; Mar. 17.
Jensen, Edward M., Seattle, Wash. Color lighting device. 1,815,874; July 21.
Jensen, Frederick H. (See Traeger, H., and Jensen.)
Jensen, Friedrich, Hanover, Germany. Syringe. 1,828,661; Oct. 20.
Jensen, Gustav B., assignor to Vadsco Sales Corporation, New York, N. Y. Toilet accessory container. Des. 85,436; Oct. 27.
Jensen, Gustav B., New York, N. Y., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Coffeepot or like article. Des. 85,651; Dec. 1.
Jensen, Gustave B., New York, assignor to Pass & Seymour, Inc., Syracuse, N. Y. Lighting fixture of the wall bracket type. Des. 85,829; Dec. 22.
Jensen, Hans C. M., Chicago, Ill. Miniature aquarium. Des. 83,044; Jan. 13.
Jensen, J. Chris, et al. (See McKenzie, Frank, assignor.)
Jensen, James L., Oakland, Calif. Time registering instrument. 1,830,277; Nov. 3.
Jensen, Jens J., assignor to Messrs. Boggild & Jacobson, Copenhagen, Denmark. Duplex vibrating table. 1,789,407; Jan. 20.
Jensen, Jens J., assignor to Boggild & Jacobsen, Copenhagen, Denmark. Machine for casting articles from plastic or liquid masses. 1,798,326; Mar. 31.
Jensen, Jens J., assignor to Messrs. Boggild & Jacobsen, Copenhagen, Denmark. Mold for plastic substances for instance chocolate. 1,806,017; May 19.
Jensen, Jens J., assignor to Messrs. Boggild & Jacobsen, Copenhagen, Denmark. Manufacture of hollow articles. 1,812,242; June 30.
Jensen, Jens W., Fairfield, Idaho. Hay knife. 1,826,250; Oct. 6.
Jensen, John, assignor to Whitney Metal Tool Company, Rockford, Ill. Angle bar bending machine. 1,804,468; May 12.
Jensen, John, assignor to Whitney Metal Tool Co., Rockford, Ill. Anchoring means for portable tool supports. 1,826,937; Oct. 13.
Jensen, Joseph M., assignor to W. M. Barrett, Los Angeles, Calif. Closure for a bottle or the like. 1,802,054; Apr. 21.
Jensen, Joseph Marcus, Los Angeles, Calif. Front-wrap closure-garment. Des. 84,082; May 5.
Jensen, Kresten R. (See Jensen, William G. and K. R.)
Jensen, Kristoffer M., and C. B. Huschke, Morgan, Minn. Poultry roost. 1,806,352; May 19.
Jensen, Louis, assignor to United Autographic Register Co., Chicago, Ill. Web-control mechanism. 1,791,212; Feb. 3.
Jensen, Louis, and C. Winters, assignors to United Autographic Register Co., Chicago, Ill. Web-folding machine. 1,832,556; Nov. 17.
Jensen, Louis, and C. Winters, assignors to United Autographic Register Co., Chicago, Ill. Web-folding mechanism. 1,832,557; Nov. 17.
Jensen, Milton O., Huntington Park, Calif. Manometer gauge. 1,812,152; June 30.
Jensen, Otto H., assignor to The Bossert Corporation, Utica, N. Y. Aircraft wing construction. 1,833,995; Dec. 1.
Jensen, Peter L., La Grange, assignor to Jensen Radio Manufacturing Company, Chicago, Ill. Combined loudspeaker and radiocabinet. Des. 83,620; Mar. 10.
Jensen Radio Manufacturing Company. (See Jensen, Peter L., assignor.)
Jensen, Rasmus O. J., Copenhagen, Denmark. Screen for showing projected images in lighted rooms and for short exposure photography. 1,824,353; Sept. 22.
Jensen, Thormod, Brooklyn, N. Y. Automatic container-cap lining machine. 1,809,341; June 9.
Jensen, William G., and K. R. Jensen, Coffeyville, Kans. Safety hook. 1,794,694; Mar. 3.
Jenson, Kenneth S. (See Rasmussen, S., and Jenson.)
Jepsen, Julius A. (See Polachek, J., Jepsen, and Peremi.)
Jeppsson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Clock case. Des. 85,652; Dec. 1.
Jepson, John H., Minneapolis, Minn. Knee lock for artificial legs. 1,834,491; Dec. 1.
Jepson, John H., Minneapolis, Minn. Knee joint for artificial legs. 1,834,540; Dec. 1.
Jerome, Benjamin, Lansing, assignor to General Motors Corporation, Detroit, Mich. Brake-cross-shaft construction. 1,787,786; Jan. 6.
Jerome, Horace M., assignor, by mesne assignments, to G. A. Wood, Detroit, Mich. Boiler construction. 1,804,777; May 12.
Jerome, Le Roy S., Glanford Station, Ontario, Canada. Safety device for aeroplanes. 1,834,623; Dec. 1.
Jerram, Arthur E., Oadby, England. Power-driven lawn mower. 1,798,021; Mar. 24.
Jersey Cereal Company. (See Luke, Charles E., assignor.)
Jersey, Neil E., assignor to W. A. Riddell Company, Bucyrus, Ohio. Drag. 1,799,424; Apr. 7.
Jersey, Neil E., assignor to W. A. Riddell Company, Bucyrus, Ohio. Road working machine. 1,819,466; Aug. 18.
Jervey, Thomas M., Washington, D. C. Magazine for rapid-fire guns. 1,790,867; Feb. 3.
Jeschke, Frank J., assignor to Micromatic Hone Corporation, Detroit, Mich. Abrasive stone holder. 1,821,518; Sept. 1.
Jespersen, Helgo W., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-tensioning device. 1,793,092; Feb. 17.
Jespersen, Helgo W., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for controlling the working of material. 1,800,389; Apr. 14.
Jessen, James. (See Vierling, F. J., and Jessen.)
Jessen, John A., assignor to The Whitin Machine Works, Whitinsville, Mass. Stop motion for twisting machines. 1,790,818; Feb. 3.
Jessen, John A., assignor to Whitin Machine Works, Whitinsville, Mass. Bunch-building mechanism for spinning frames. 1,830,549; Nov. 3.
Jessen, Theodor A., Husum, Germany. Grate bar. 1,822,034; Sept. 8.
Jesser, Albert E. (See McCrery, H. E., and Jesser.)
Jessop, Stanley, sr. (See Firth, F. C., Jessop, and Tattersfield.)
Jessup, Alfred, Paris, France. Manufacture and purification of magnesium. 1,816,972; Aug. 4.
Jessup, Alfred, Paris, France. Electrolytic process for the manufacture of magnesium and the alkaline earth metals, such as calcium, by the electrolysis of molten chlorides, and apparatus for carrying the said process into effect. 1,833,425; Nov. 24.
Jessup, Alfred C., Clamart, France, assignor to British Maxium Company Limited, London, England. Purification of metals. 1,820,141; Aug. 25.
Jessup, George K., Greenwich, Conn., assignor, by mesne assignments, to Metropolitan Device Corporation. Blowing soapstone into ducts. 1,791,624; Feb. 10.
Jessup & Moore Paper Co., The. (See Plumstead, Joseph E., assignor.)
Jester, John M., Washington, D. C. Releasing clamp. 1,833,578; Nov. 24.
Jester, Smith M., Park Rapids, Minn. Antenna. 1,803,620; May 5.
Jetel, Otto, assignor to J. J. Ryan, Chicago, Ill. Laundry-bag holder. 1,791,097; Feb. 3.
Jeter, John D., Salisbury, N. C. Baseball pitcher. 1,821,755; Sept. 1.
Jeter, Thomas F., Tacoma, Wash. Burial vault. 1,796,461; Mar. 17.
Jett, Claude L., El Dorado, Ark. Well tester. 1,788,109; Jan. 6.
Jett, George C., assignor of two-fifths to W. H. Stiemke, Milwaukee, Wis. Tractor steering control mechanism. 1,822,991; Sept. 15.
Jette, David K., Midskog, Sweden. Flying machine. 1,829,595; Oct. 27.
Jevons, William, Wakefield, Kans. Baby chick waterer. 1,828,048; Oct. 20.
Jewart, John F., Blasdell, N. Y. Ventilating stovepipe. 1,810,831; June 16.
Jewelite Inc. (See Lawrence, Harry W., assignor.)
Jewell Electrical Instrument Company. (See Burtch, Joel A., assignor.)
Jewell Electrical Instrument Company. (See Hawley, Douglass, assignor.)
Jewell Electrical Instrument Company. (See Hoover, Joseph C., assignor.)
Jewell Electrical Instrument Corporation. (See Mable, Edmund L., assignor.)
Jewell Electrical Instrument Co. (See Miller, John H., assignor.)
Jewell, Frank, Detroit, Mich. Doorlock. 1,835,946; Dec. 8.

Jewell, George A., Wilson, N. C., assignor to Hackney Bros. Body Co. Refrigerating apparatus. 1,820,806; Aug. 25.
Jewell, Howard W., Los Angeles, Calif. Underground conduit. 1,798,205; Mar. 31.
Jewell, Raymond L., Millcreek Township, Erie County, assignor to American Sterilizer Company, Erie, Pa. Sterilizer. 1,837,715; Dec. 22.
Jewell, Raymond W., Binghamton, N. Y. Staple. 1,790,348; Jan. 27.
Jewett, Fred E., assignor to Ball Brothers Company, Muncie, Ind. Method of and apparatus for feeding molten glass. 1,812,534; June 30.
Jewett, Grace L., et al. (See Rosebrook, Guy L., assignor.)
Jewett, Harold A., Fredonia, N. Y. Liquid level indicator and stop. 1,806,804; May 26.
Jewett, John B., jr., Newton, Ohio. Airplane construction and method therefor. 1,814,556; July 14.
Jewett, Joseph E., and S. E. Meyers, Buffalo, assignors to National Aniline & Chemical Co., Inc., New York, N. Y. Gearing. 1,823,147; Sept. 15.
Jewett, Joseph E., Mount Lebanon, and L. C. Daniels, Crafton, assignors to The Selden Company, Pittsburgh, Pa. Phthalic anhydride shot-like pellet. 1,837,869; Dec. 22.
Jewett and Sherman Company. (See McDonald, Harry, assignor.)
Jex, William A., Somerville, Mass. Differential mechanism for automobiles. 1,831,865; Nov. 17.
Jezler, Hubert, Zurich, Switzerland. Production of gas jets for power purposes. 1,801,007; Apr. 14.
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Engine. 1,788,524; Jan. 13.
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Implement retainer. 1,795,306; Mar. 10.
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Fluid actuated percussive tool. 1,807,787; June 2.
Jimopulos, Sam C., assignor of four-tenths to R. Nolen, St. Louis, Mo. Belt. 1,804,990; May 12.
Jipp, August, Spandau, near Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telegraph or teletyper plant. 1,823,978; Sept. 22.
Jipp, August, Berlin-Spandau, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Synchronizing device. 1,824,999; Sept. 29.
Jippson, Adolph B., Cleveland, Ohio. Combined cigarette dispenser, match box holder, and ash receiver. 1,806,399; May 19.
Joachim, William F., Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fuel nozzle. 1,834,061; Dec. 1.
Joachimson, Martin, New York, N. Y. Device for spreading butter. 1,816,535; July 28.
Joachimson, Martin, New York, N. Y. Machine for making sandwiches. 1,816,536; July 28.
Job, Albert. (See Tesche, Heinrich, and Job.)
Jobke, August F., Pittsburgh, Pa. Rolling mill. 1,824,211; Sept. 22.
Jobson, Walter P., Louisville, Ky. Fan. 1,801,556; Apr. 21.
Jobst, Gunther, assignor to Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Transmission circuit. 1,800,536; Apr. 14.
Jochheim, Hermann, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of acetaldehyde and acetic acid. 1,828,372; Oct. 20.
Joeck, Thomas D., Belmar, N. J. Automatic choke for carburetors. 1,811,354; June 23.
Joel, Joseph, Los Angeles, Calif. Bracelet. Des. 83,402; Feb. 17.
Joerissen, Carl A., Washington, D. C. Typewriting machine. 1,829,832; Nov. 3.
Joers, Carl F. and F. D., Beverly Hills, Calif. Brake setting and releasing apparatus. 1,824,050; Sept. 22.
Joers, Fred D. (See Joers, Carl F. and F. D.)
Joffé, Abraham, Leningrad, Union of Socialist Soviet Republics, assignor to Industrial Research Company, Cambridge, Mass. Translating device. 1,807,292; May 26.
Joffé, Abraham, Leningrad, Russia, assignor to Industrial Research Company, Cambridge, Mass. Photoelectric cell. 1,827,016; Oct. 13.
Joffé, Peter, New York, N. Y. Instrumentalities for annexing tips to tooth facings. 1,814,044; July 14.
Joha, Elmer N., Wauwatosa, assignor to Reliable Knitting Works, Milwaukee, Wis. Knitted hat and making the same. 1,822,488; Sept. 8.
Joham, Charles W., Los Angeles, Calif., assignor to Stern, Joham and Grossman, Inc. Necktie-display stand. 1,800,733; Apr. 14.
Johannes, Hubert G., Milwaukee, Wis., assignor to Albert Pick-Barth Company, Inc., Chicago, Ill. Mixing device. 1,816,046; July 28.
Johanning, Carlos F., Denison, Tex. Telephone base. Des. 85,615; Nov. 24.
Johannsen, Christoph M., Marshalltown, Iowa. Oat huller. 1,830,028; Nov. 3.
Johannsen, Udo, Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Vehicle seat arm. 1,835,947; Dec. 8.
Johansen, Ernst M., Fall River, Mass., assignor to The Gray Processes Corporation, Newark, N. J. Producing sulphur compounds. 1,836,170; Dec. 15.
Johansen, Ernst M., Philadelphia, Pa., assignor to The Gray Processes Corporation, Newark, N. J. Preparation of mercaptans. 1,836,171; Dec. 15.
Johansen, Harry C., Michigan City, Ind., assignor to Sullivan Machinery Company. Drilling apparatus. 1,794,114; Feb. 24.
Johansen, Harry C., Michigan City, Ind., assignor to Sullivan Machinery Company. Core drill. 1,796,950; Mar. 17.
Johansen, Harry C., Michigan City, Ind., assignor to Sullivan Machinery Company. Drilling apparatus. 1,806,759; May 26.
Johansen, Harry C., Michigan City, Ind., assignor to Sullivan Machinery Company. Drilling apparatus. 1,810,106; June 16.
Johansen, Harry C., Michigan City, Ind., assignor to Sullivan Machinery Company. Drilling apparatus. 1,811,939; June 30.
Johansen, Harry C., Michigan City, Ind., assignor to Sullivan Machinery Company. Drilling apparatus. 1,834,597; Dec. 1.
Johansen, Samuel, Detroit, Mich., assignor to I. and D. J. Scott, executors of the estate of W. Scott, deceased, Plainfield, N. J., doing business as Walter Scott & Company. Paper handling device. 1,821,713; Sept. 1.
Johanson, Adolph T., Chicago, Ill. Water heater. 1,820,979; Sept. 1.
Johanson, Georg K. V., assignor to Svenska Aktiebolaget Gasaccumulator, Lidingo, Sweden. Apparatus for automatically establishing a pulsating motion of air in two conduits. 1,807,692; June 2.
Johanson, Georg K. W., assignor to Svenska Aktiebolaget Gasaccumulator, Lidingo, Sweden. Apparatus for automatically establishing a pulsating motion of air in two conduits. 1,808,114; June 2.
Johanson, Gustav H., assignor to C. Wilhjelm, as trustee, Philadelphia, Pa. Snap switch. 1,810,314; June 16.
Johanson, Magnus H. (See Candee, A. H., and Johanson.)
Johanson, Magnus H., assignor to Gleason Works, Rochester, N. Y. Method of and machine for producing gears. 1,796,462; Mar. 17.
Johanson, Magnus H., assignor to Gleason Works, Rochester, N. Y. Gear cutter and employing same. 1,825,733; Oct. 6.
Johansson, Axel G., Nalden, Sweden. Barking machine. 1,817,413; Aug. 4.
Johansson, Carl A., Baekkelagshogda, near Oslo, Norway. Pulley block. 1,798,844; Mar. 31.
Johansson, Carl E., Detroit, Mich. Gauge. 1,810,710; June 16.
Johansson, Ernest G., Boston, assignor, by mesne assignments, to The Palmer Electric & Manufacturing Co., Waltham, Mass. Cabinet. 1,796,932; Mar. 17.
Johansson, Johan E., assignor to Aktiebolaget Gotaverken, Gottenborg, Sweden. Gas generating combustion engine. 1,825,525; Sept. 29.
Johantgen, Oliver D., Lake Bluff, Ill., assignor to Victor Adding Machine Co. Listing machine. 1,788,916; Jan. 13.
Johantgen, Oliver D., Winnetka, assignor to Victor Adding Machine Co., Chicago, Ill. Calculating machine. 1,810,213; June 16.
Johantgen, Oliver D., assignor to Victor Adding Machine Company, Chicago, Ill. Calculating machine. 1,816,014; July 28.
John Deere Tractor Company. (See McCray, Harold E., assignor.)
John, Elmer N., Wauwatosa, assignor to Reliable Knitting Works, Milwaukee, Wis. Knitted hat. Des. 84,700; July 21.
John, Wesley E., Johannesburg, Transvaal, South Africa. Moving lens cinematograph machine. 1,822,528; Sept. 8.
Johne-Werk Grafische Maschinen-Aktiengesellschaft. (See Stegmann, Karl, assignor.)
Johnk, Leonard F. (See Olson, O. N., and Johnk.)
Johns, George M., Sappington, Mo. Retort. 1,828,499; Oct. 20.
Johns, Henry S., assignor to Bancroft Holdings Limited, Hamilton, Ontario, Canada. Bag filling and weighing machine. 1,816,587; July 28.
Johns, Henry S., assignor to Bancroft Holdings Limited, Hamilton, Ontario, Canada. Plaster mixing machine. 1,816,588; July 28.
Johns, John P. (See Chaston, J. C., and Johns.)
Johns, John P., New York, N. Y. Marker lamp. 1,796,655; Mar. 17.
Johns, Lawrence C., assignor of one-half to P. C. Moreland, Richmond, Va. Reservoir fountain pen. 1,795,861; Mar. 10.
Johns-Manville Corporation. (See Dietz, Franklin M., assignor.)
Johns-Manville Corporation. (See Drake, Ralph E., assignor.)
Johns-Manville Corporation. (See Driscoll, James, assignor.)
Johns-Manville Corporation. (See Nash, Joseph H., assignor.)

Johns-Manville Corporation. (See Offutt, Reginald J., assignor.)
Johns-Manville Corporation. (See Rinehart, E., Day, and McManus, assignors.)
Johns-Manville Corporation. (See Saunders, Arthur B., assignor.)
Johns-Manville Corporation. (See Wilbur, Lawrence S., assignor.)
Johns-Manville Corporation. (See Williams, Samuel A., assignor.)
Johns-Manville Sales Corporation. (See Murphy, Everett N., assignor.)
Johns, Orrick, Sappington, Mo. Crutch. Des. 83,162; Jan. 27.
Johnsen, Bjarne, assignor to Hammermill Paper Company, Erie, Pa. Method and apparatus for determining the result of treatment of material. 1,827,658; Oct. 13.
Johnsen, Bjornulf, New York, N. Y., assignor, by mesne assignments to Steel and Tubes, Inc. Cut off and delivery mechanism. 1,830,760; Nov. 10.
Johnsen, Carsten I., Brooklyn, N. Y. Doorcheck. 1,837,716; Dec. 22.
Johnsen, William H., Dallas, Tex. Radiator ornament. Des. 84,639; July 14.
Johnson, Albert M. (See Mitscherling, Waldemar O., assignor.)
Johnson, Albert M., assignor to Barnes Drill Company, Rockford, Ill. Automatic machine tool. 1,838,945; Dec. 29.
Johnson, Albert M., and W. M. Fairbairn, assignors to Barnes Drill Company, Rockford, Ill. Spindle feed mechanism for machine tools. 1,838,995; Dec. 29.
Johnson, Albert O., Kansas City, Mo., assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Coin-controlled attachment for phonographs. 1,800,537; Apr. 14.
Johnson, Alf, Revloc, Pa. Highway-guard-fence construction. 1,800,641; Apr. 14.
Johnson, Alfred, Chicago, Ill. Ice-skate scabbard. 1,788,433; Jan. 13.
Johnson, Alfred, Chicago, Ill. Shoe construction. 1,826,616; Oct. 6.
Johnson, Alfred, assignor to The Studebaker Corporation, South Bend, Ind. Forming die. 1,792,224; Feb. 10.
Johnson, Alfred C., Winters, assignor to J. H. McCollough, San Jose, Calif. Engine. 1,834,099; Dec. 1.
Johnson, Alfred J., assignor to York Band Instrument Company, Grand Rapids, Mich. Trombone. 1,789,589; Jan. 20.
Johnson, Alfred J., assignor to York Band Instrument Company, Grand Rapids, Mich. Piston valve structure for wind instruments. 1,821,641; Sept. 1.
Johnson, Alfred J., assignor to York Band Instrument Company, Grand Rapids, Mich. Method and apparatus for treating drawn tubes. 1,826,077; Oct. 6.
Johnson, Alfred J., Red Wing, Minn., assignor to Pittsburgh Plate Glass Company. Linseed cake discharger. 1,833,363; Nov. 24.
Johnson, Allan R. P., Toronto, Ontario, Canada. Automobile stop-signal switch box and attaching means therefor. 1,787,729; Jan. 6.
Johnson, Alvin L., Worcester, assignor to W. G. Warren, Holden, Mass. Flexible rack jack for balloon tires. 1,822,969; Sept. 15.
Johnson, Alvin L., Worcester, assignor to W. G. Warren, Holden, Mass. Lifting jack. 1,822,970; Sept. 15.
Johnson, Alvin L., Worcester, Mass., assignor to Walker Manufacturing Company, Racine, Wis. Lifting jack. 1,829,656; Oct. 27.
Johnson, Alvin S., Chicago, Ill., assignor to Richardson Corporation, Rochester, N. Y. Beverage dispenser. Des. 82,991; Jan. 6.
Johnson, Alvin S., Chicago, Ill., and W. J. Balkwill, Rochester, N. Y., assignors to Richardson Corporation, Rochester, N. Y. Beverage dispenser. Des. 85,581; Nov. 17.
Johnson, Amos R., assignor of one-fourth to A. A. Sundeen, Minneapolis, Minn. Heating apparatus for motor vehicles. 1,833,903; Dec. 1.
Johnson, Andrew, Tacoma, Wash. Parachute construction. 1,814,220; July 14.
Johnson, Andrew, jr., Roseau, Minn., and G. F. Worthington, sr., assignors to Vega Separator Corporation of America, Chicago, Ill. Shearing, punching and riveting machines. 1,808,041; June 2.
Johnson, Andrew S., B. M., and A. P., Bedford, Va. Combined clutch and brake pedal for motor vehicles. 1,823,742; Sept. 15.
Johnson, Anton A., Loveland, Colo. Safety device for automobiles and the like. 1,811,635; June 23.
Johnson, Arnold E. W. (See Raney, C. R., and Johnson.)
Johnson, Arnold E. W., Chicago, Ill., assignor to International Harvester Company. Tractor disk harrow. 1,832,027; Nov. 17.
Johnson, Arnold H., assignor to Research Laboratories of National Dairy Products Corp. Inc., Baltimore, Md. Sterilizing solution. 1,834,783; Dec. 1.
Johnson, Arnold L., Turlock, Calif. Radio cabinet. Des. 83,858; Apr. 7.
Johnson, Arthur A. (See Johnson, Gustaf A., and A. A.)
Johnson, Arthur A., Bridgeport, Conn. Manifolding. 1,832,305; Nov. 17.
Johnson, Arthur A., assignor to Dictaphone Corporation, Bridgeport, Conn. Phonograph. 1,810,883; June 16.
Johnson, Arthur A., Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J. Manifolding machine. 1,811,636; June 23.
Johnson, Arthur A., assignor to Dictaphone Corporation, Bridgeport, Conn. Hearing tube. 1,813,931; July 14.
Johnson, Arthur A., Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J. Manifolding register. 1,815,063; July 21.
Johnson, Arthur A., assignor to Dictaphone Corporation, Bridgeport, Conn. Phonograph. 1,822,892; Sept. 15.
Johnson, Arthur A., assignor to Dictaphone Corporation, Bridgeport, Conn. Sound receiving device. 1,827,943; Oct. 20.
Johnson, Arthur A., assignor to Dictaphone Corporation, Bridgeport, Conn. Control device. 1,831,355; Nov. 10.
Johnson, Arthur B., Minneapolis, Minn. Lap-joint-forming machine. 1,795,953; Mar. 10.
Johnson, Arthur B., Minneapolis, Minn. Sawing machine. 1,802,514; Apr. 28.
Johnson, Arthur B., Minneapolis, Minn. Sawing and resawing machine. 1,816,485; July 28.
Johnson, Arthur B., Minneapolis, assignor to Andersen Frame Corporation, Bayport, Minn. Woodworking machine. 1,823,200; Sept. 15.
Johnson, Arthur B., Minneapolis, assignor to Andersen Frame Corporation, Bayport, Minn. Woodworking machine. 1,823,272; Sept. 15.
Johnson, Arthur E. (See Ranney, W. B., and Johnson.)
Johnson, Arthur E. (See Traff, C. A., and Johnson.)
Johnson, Arthur F. (See Johnson, Fredolph, H. W., and A. F.)
Johnson, Arthur L., Oak Park, assignor to Johnson Chair Co., Chicago, Ill. Chair. 1,816,486; July 28.
Johnson, Arthur M., Highland Park, Ill. Rotatable grinding or honing device. 1,832,635; Nov. 17.
Johnson, Arthur T., Sauk City, Wis. Surgical appliance. 1,837,872; Dec. 22.
Johnson, Aubrey P. (See Johnson, Andrew S., B. M., and A. P.)
Johnson Automatic Sealer Co., Ltd. (See Sandberg, Oscar, assignor.)
Johnson, Axel, et al. (See Brunberg, Bennie N., assignor.)
Johnson, Axel, Oakland, Calif. Electric heating unit. 1,799,168; Apr. 7.
Johnson, Bernard M. (See Johnson, Andrew S., B. M., and A. P.)
Johnson, Bert E., assignor of twelve and one-half per cent to D. L. Cleveland, twelve and one-half per cent to L. L. Hueston, and twelve and one-half per cent to R. L. Swarzman, Des Moines, Iowa. Tire casing spreader. 1,823,545; Sept. 15.
Johnson, Boyd M., Metuchen, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y. Utilizing the waste gases from furnaces. 1,809,628; June 9.
Johnson Bronze Company. (See Leis, Carl H., assignor.)
Johnson Brothers Engineering Corporation. (See Johnson, Harry L., assignor.)
Johnson Bros. Engineering Corporation. (See Johnson, Louis J., assignor.)
Johnson Brothers Engineering Corporation. (See Johnson, Louis J. and H. L.)
Johnson Brothers Engineering Corporation. (See Pierce, James H., assignor.)
Johnson, Bruce B., Long Beach, Calif. Cooking vessel. 1,815,569; July 21.
Johnson, Carl, Glencoe, Ill. Ignition device for oil burners and the like. 1,822,777; Sept. 8.
Johnson, Carl A., Evanston, Ill., assignor to General Motors Corporation, Detroit, Mich. Shaft lubrication. 1,787,986; Jan. 6.
Johnson, Carl E., Oakland, Calif., assignor to Boeing Airplane Company, Seattle, Wash. Instrument panel for aircraft. Re18,283; Dec. 15.
Johnson, Carl E., Pasadena, assignor to Sterling Electric Motors, Inc., Los Angeles, Calif. Apparatus for forming cast rotors. 1,793,854; Feb. 24.
Johnson, Carl E., Pasadena, assignor to Sterling Electric Motors, Inc., Los Angeles, Calif. Rotor mold. 1,793,855; Feb. 24.
Johnson, Carl E., Pasadena, and E. Mendenhall, assignors to Sterling Electric Motors, Inc., Los Angeles, Calif. Control for generators. 1,835,056; Dec. 8.
Johnson, Carl H., Portland, Me. Folding leg stool. 1,832,486; Nov. 17.
Johnson, Carl O., Spokane, Wash. Wall inset radiocabinet. Des. 84,349; June 9.
Johnson, Carl W., assignor to one-half to R. W. Hall, Los Angeles, Calif. Vibrator. 1,825,353; Sept. 29.
Johnson, Cecil H., administratrix. (See Johnson, Frederick H.)
Johnson Chair Co. (See Johnson, Arthur L., assignor.)
Johnson, Charles A. (See Carlson, Charles N., assignor.)
Johnson, Charles A. (See Daw, J., Johnson, and Packard.)
Johnson, Charles A., Duluth, Minn. Sectional lawn step. Des. 84,289; June 2.
Johnson, Charles B., Paterson, N. J. Warp-sizing machine. 1,788,196; Jan. 6.
Johnson, Charles B., Chicago, Ill. Insulating clamp. 1,818,714; Aug. 11.

Johnson, Charles B., assignor to Great Lakes Golf Corporation, Milwaukee, Wis. Golf club. 1,829,900; Nov. 3.
Johnson, Charles E., Muskegon Heights, Mich. Piston-ring expander. 1,796,791; Mar. 17.
Johnson, Charles E., Muskegon, Mich. Oil-conserving piston. 1,796,792; Mar. 17.
Johnson, Charles E., Minneapolis, assignor of one-half to D. H. Eisenstadt, Minneapolis, Minn. Partition for railway cars. 1,811,888; June 30.
Johnson, Charles F., St. Johnsville, assignor to W. S. Becker, Little Falls, N. Y. Attachment for knitting machines. 1,812,700; June 30.
Johnson Charles G., assignor to Pratt & Whitney Company, Hartford, Conn. Screw thread testing device. 1,808,816; June 9.
Johnson, Charles H. (See Miller, A. E., and Johnson.)
Johnson, Charles I., Chicago, Ill., assignor to Nestor Johnson Manufacturing Company. Toe guard for ice skates. 1,806,975; May 26.
Johnson, Charles I., Chicago, Ill., assignor to Nestor Johnson Manufacturing Company. Toe guard for ice skates. 1,832,866; Nov. 24.
Johnson, Charles S., Champaign, Ill. Indicating device. 1,802,150; Apr. 21.
Johnson, Charles S., Champaign, Ill. Portable batcher. 1,805,769; May 19.
Johnson, Chester A., assignor to Jefferson Electric Company, Chicago, Ill. Box mounting. 1,789,441; Jan. 20.
Johnson, Chester F., Detroit, Mich. Carburetor. 1,814,601; July 14.
Johnson, Chester F., Detroit, Mich. Carburetor. 1,828,415; Oct. 20.
Johnson, Chester W., Boston, assignor to The A. L. Smith Iron Works, Chelsea, Mass. Circuit closer. 1,804,622; May 12.
Johnson, Christian E. (See Siebenmann, F. J., and Johnson.)
Johnson, Clarence A. (See Carter, A. E., and Johnson.)
Johnson, Clarence E., and F. C. Koestner, Chicago, Ill. Registering mechanism. 1,806,353; May 19.
Johnson, Clarence G., Hartford City, Ind. Window construction. 1,797,504; Mar. 24.
Johnson, Clarence G., Hartford City, Ind. Roller device and track. 1,820,459; Aug. 25.
Johnson, Clarence G., Hartford City, Ind. Movable sealing strip for doors. 1,824,212; Sept. 22.
Johnson, Clarence G., Detroit, Mich. Garage door. 1,820,195; Aug. 25.
Johnson, Clarence T., assignor to Diamond Iron Works, Minneapolis, Minn. Apparatus for unloading cars. 1,794,177; Feb. 24.
Johnson, Clement, and M. H. Keating, assignors to H. D. Hudson Manufacturing Company, Minneapolis, Minn. Chicken waterer. 1,824,154; Sept. 22.
Johnson, Clink, et al. (See Cooper, John, assignor.)
Johnson, Clyde W., Saugus, assignor to Dewey and Almy Chemical Company, Cambridge, Mass. Cover lining apparatus. 1,818,557; Aug. 11.
Johnson, Colvin L., assignor, by mesne assignments, to F. C. Webb, St. Louis, Mo. Chain lock. 1,788,396; Jan. 13.
Johnson, Colvin L., assignor, by mesne assignments, to F. C. Webb, St. Louis, Mo. Transmission-gear-shifting assembly. 1,790,667; Feb. 3.
Johnson, Colvin L., assignor, by mesne assignments, to F. C. Webb, St. Louis, Mo. Transmission-case cover. 1,796,106; Mar. 10.
Johnson, Colvin L., St. Louis, assignor, by mesne assignments, to Frank C. Webb, St. Louis, Mo. Lock mechanism. 1,801,628; Apr. 21.
Johnson, Constance D., Pendleton, Oreg. Doll. Des. 83,108; Jan. 20.
Johnson, David E., and P. F. Jackson, Dayton, Ohio. Device for testing vacuum tubes. 1,815,375; July 21.
Johnson, David W., Newington, and A. H. Nero, West Hartford, assignors to The Arrow-Hart & Hageman Electric Company, Hartford, Conn. Electrical connecting device. 1,812,343; June 30.
Johnson, Dayton R., Sanford, assignor of one-third to E. V. Slade, Longwood, one-third to C. D. Forrester, Sanford, Fla., and one-third to himself. Self-adjustable brake for vehicles. 1,833,837; Nov. 24.
Johnson, Delbert O., Bloomington, Calif. Measuring instrument. 1,793,404; Feb. 17.
Johnson, Earl, Kansas City, Mo. Mixing liquids. 1,806,904; May 26.
Johnson, Edward E., St. Paul, Minn. Maintaining a substantially constant level of liquids in tanks. 1,794,962; Mar. 3.
Johnson, Edward E., St. Paul, Minn. Making well-screens. 1,800,642; Apr. 14.
Johnson, Edward E., St. Paul, assignor to E. E. Johnson, Incorporated, St. Paul, Minn. Making couplings. 1,814,703; July 14.
Johnson, Edward E., Incorporated. (See Johnson, Edward E., assignor.)
Johnson, Edward P., Sagamore, Pa. Back for oilcloth. 1,826,135; Oct. 6.
Johnson, Edward V., Gowrie, Iowa. Support for manually-operated egg beaters. 1,788,675; Jan. 13.
Johnson, Edward V., Gowrie, Iowa. Holder for egg beaters. 1,822,035; Sept. 8.
Johnson, Edwin, et al. (See Cooper, John, assignor.)
Johnson, Edwin C., Denver, Colo. Draft gear for railway cars. 1,832,215; Nov. 17.
Johnson, Edwin F., St. Paul, Minn. Thimble making machine. 1,818,332; Aug. 11.
Johnson, Edwin W., Nichols, Trumbell Township, Fairfield County, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Roller-presser mechanism for sewing machines. 1,823,546; Sept. 15.
Johnson, Ellsworth W., assignor to Midwest Motor Supply, Hector, Minn. Tractor hitch. 1,812,049; June 30.
Johnson, Ellsworth W., assignor to Midwest Motor Supply, Hector, Minn. Cream cooler. 1,822,593; Sept. 8.
Johnson, Elmer C., Boise, Idaho. Automatic overfeed furnace stoker. 1,790,425; Jan. 27.
Johnson, Elmer R. (See Hynes, D. P., and Johnson.)
Johnson, Elmo W., Hicksville, assignor to Syracuse Chilled Plow Company, Inc., Syracuse, N. Y. Potato digging machine. 1,836,172; Dec. 15.
Johnson, Elvin H., Winnetka, Ill. Builder's hardware. 1,808,897; June 9.
Johnson, Emanuel. (See Warnken, Arthur T. W., assignor.)
Johnson, Emil E. (See Meinken, John, assignor.)
Johnson, Emil E. (See Meinken, J., and Johnson.)
Johnson, Emil L., and O. Lundsten, Attleboro, Mass. Ornament-attaching clamp. 1,799,468; Apr. 7.
Johnson, Emil L., and O. Lundsten, Attleboro, Mass. Fastening device for bracelets. 1,827,364; Oct. 13.
Johnson, Emil M., Gorman, S. Dak. Lock for track doors. 1,823,104; Sept. 15.
Johnson Engineering & Manufacturing Co. (See Johnson, John E., assignor.)
Johnson, Eric W., Newark, N. J. Automatically locked receptacle and container. 1,810,656; June 16.
Johnson, Erik W., assignor of one-half to L. A. Kamradt, Chicago, Ill. Casting type furniture by typographical machines and similar machines. 1,799,515; Apr. 7.
Johnson, Erling, assignor to the firm Odda Smelteverk A/S, Odda, Norway. Converting phosphate rock into soluble compounds and of separating its content of lime and phosphoric acid. 1,816,285; July 28.
Johnson, Erling, assignor to the Firm: Odda Smelteverk A/S., Odda, Norway. Manufacturing compound fertilizers. 1,821,309; Sept. 1.
Johnson, Erling, assignor to the Firm Odda Smelterverk A/S, Odda, Norway. Manufacture of fertilizers. 1,834,454; Dec. 1.
Johnson, Erling, assignor to the Firm: Odda Smelterverk A/S, Odda, Norway. Manufacturing phosphoric acid and soluble phosphates. 1,834,455; Dec. 1.
Johnson, Ernest G., Boston, assignor, by mesne assignments to The Palmer Electric & Manufacturing Company, Waltham, Mass. Electrical contact jaw. 1,805,487; May 19.
Johnson, Ernest S., Webster City, Iowa, assignor to Knapp-Monarch Company, St. Louis, Mo. Stopper or closure for receptacles. 1,787,685; Jan. 6.
Johnson, Ernest W., London, assignor of one-half to Luwax Limited, London, England. Hydraulic shock absorber. 1,822,406; Sept. 8.
Johnson, Ernest W., Staunton, Ill., assignor of one-tenth to H. Haacke, one-tenth to H. Ruggeri, one-tenth to J. Wilson, one-tenth to F. Mehrkens, and one-tenth to W. Vollmer, St. Louis, Mo. Equalizing device. 1,833,784; Nov. 24.
Johnson Fare Box Company. (See Hansen, Edward H., assignor.)
Johnson, Francis, Detroit, Mich. Mixing machine. 1,811,719; June 23.
Johnson, Francis T., Chicago, Ill. Ironing machine. 1,792,167; Feb. 10.
Johnson, Frank, et al. (See Cooper, John, assignor.)
Johnson, Frank C., Portland, Me. Tripod for supporting coal chutes and the like. 1,701,087; Apr. 14.
Johnson, Frank C., Portland, Me. Door-fastening device for swinging doors. 1,792,540; Feb. 17.
Johnson, Frank E., assignor to John I. Paulding, Inc., New Bedford, Mass. Switch for electric lamps. 1,810,480; June 16.
Johnson, Frank J., Wheeling, W. Va., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Closure device. 1,834,541; Dec. 1.
Johnson, Frank L., Akron, Ohio. Collapsible core. 1,817,515; Aug. 4.
Johnson, Frank M., Throckmorton, Tex. Soldering pliers. 1,795,256; Mar. 3.
Johnson, Frank P., Martindale, Tex. Mechanic's tool or clamping lever. 1,822,294; Sept. 8.
Johnson, Frank W. (See Johnson, Frederick H.)
Johnson, Fred R., Hamburg, assignor to The Exolon Company, Blasdell, N. Y. Magnetic separator. 1,836,252; Dec. 15.
Johnson, Frederick H., deceased, South Pasadena, Calif.; C. H. Johnson, administratrix. Control system. 1,790,924; Feb. 3.
Johnson, Frederick H., South Pasadena, by decree of distribution to F. W. Johnson, assignor to Hadden Company, Ltd., Alhambra, Calif. Sprinkler system. 1,831,007; Nov. 10.
Johnson, Frederick H., Detroit, Mich. Sanding machine. 1,826,177; Oct. 6.
Johnson, Frederick H., Detroit, Mich. Advertising sign. 1,828,703; Oct. 20.
Johnson, Fredolph, H. W. and A. F., Little Falls, Minn. Litter remover. 1,827,236; Oct. 13.

Johnson, George, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Mold for toilet seats. 1,805,871; May 19.
Johnson, George A., Chicago, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,788,525; Jan. 13.
Johnson, George A., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Double electric switch. 1,799,099; Mar. 31.
Johnson, George A., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Inclosed tumbler switch. 1,827,584; Oct. 13.
Johnson, George B., Evanston, Ill. Hydrocarbon burner. 1,804,469; May 12.
Johnson, George T. (See Filander, A. H., and Johnson.)
Johnson, George T. (See Spiller, G. A., and Johnson.)
Johnson, George T., Columbus, assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Coupler yoke. 1,803,802; May 5.
Johnson, George T., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Key slot. 1,838,261; Dec. 29.
Johnson, George T., White Plains, N. Y., assignor to The George T. Johnson Company, Boston, Mass. Roll paper. 1,817,897; Aug. 4.
Johnson, George T., and H. W. Stertzbach, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Bolster. 1,789,409; Jan. 20.
Johnson, George T., and G. E. Large, assignors to The Buckeye-Steel Castings Company, Columbus, Ohio. Car end. 1,832,983; Nov. 24.
Johnson, George T., Company, The. (See Johnson, George T., assignor.)
Johnson, George W. (See Waream, C. E., and Johnson.)
Johnson, George W., and H. C. Truslow, assignors to J. W. Johnson, New York, N. Y. Tucking attachment for sewing machines. 1,789,704; Jan. 20.
Johnson, Gustaf, Duluth, Minn. Chain hook. 1,817,825; Aug. 4.
Johnson, Gustaf A., Barneveld, N. Y. Casting reel. 1,789,178; Jan. 13.
Johnson, Gustaf A., assignor to John I. Paulding, Inc., New Bedford, Mass. Electric switch. 1,810,482; June 16.
Johnson, Gustaf A. and A. A., assignors to John I. Paulding, Inc., New Bedford, Mass. Attachment plug receptacle. 1,810,481; June 16.
Johnson, Gustaf I. (See Isenman, G. A., and Johnson.)
Johnson, Gustaf I., assignor to Automatic Floor Waxing Machine Corporation, Malden, Mass. Valve. 1,794,462; Mar. 3.
Johnson, Gustaf I., assignor to Automatic Floor Waxing Machine Corporation, Malden, Mass. Brush attachment for floor treating machines. 1,830,362; Nov. 3.
Johnson, Gustaf I., Malden, and W. L. Morrison, Melrose, Mass. Ventilating window. 1,799,516; Apr. 7.
Johnson, Gustaf O., Elkhart, Ind., assignor to Murray-Ohio Manufacturing Company, Cleveland, Ohio. Juvenile-vehicle construction. 1,800,888; Apr. 14.
Johnson, Gustaf O., Elkhart, Ind., assignor to Murray-Ohio Manufacturing Company, Cleveland, Ohio. Cycle-frame and crank-hanger construction. 1,800,889; Apr. 14.
Johnson, Gustav, West Roxbury, assignor to United-Car Fastener Corporation, Cambridge, Mass. Fastener socket. 1,796,525; Mar. 17.
Johnson, Gustav, West Roxbury, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,798,796; Mar. 31.
Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 1,804,370; May 5.
Johnson, Gustav, West Roxbury, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener stud. 1,831,566; Nov. 10.
Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Combined Ornamental and attaching member. 1,835,948; Dec. 8.
Johnson, Gustav, West Roxbury, and D. Dyresen, Somerville, Mass. Snap-fastener slide member. 1,798,677; Mar. 31.
Johnson, Gustav A. (See Decker, S. K., Johnson, Davis, and Junor.)
Johnson, Gustave A., Irvington, N. J. Apparatus for making electric cables. 1,793,487; Feb. 24.
Johnson, Gustave A., Irvington, N. J. Cable shield. 1,793,697; Feb. 24.
Johnson, Gustave A., Irvington, N. J. Manufacture of metal-sheathed cables. 1,794,902; Mar. 3.
Johnson, Gustave A., assignor to American Steel Pipe Co. Inc., Irvington, N. J. Process and apparatus for coating. 1,804,991; May 12.
Johnson, Gustave T., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for working covered strand material. 1,801,311; Apr. 21.
Johnson, Halbert T., Paso Robles, Calif. Almond sizing and separating machine. 1,799,751; Apr. 7.
Johnson, Hamilton, Baton Rouge, La. Internal combustion engine. 1,819,897; Aug. 18.
Johnson, Harry A. (See Swinscoe, J., Johnson, and Watson.)
Johnson, Harry A., Chicago, Ill. Pipe pushing machine. 1,809,342; June 9.
Johnson, Harry L. (See Johnson, Louis J. and H. L.)
Johnson, Harry L., assignor to Johnson Brothers Engineering Corporation, South Bend, Ind. Marine motor. 1,824,213; Sept. 22.
Johnson, Harry W. (See Johnson, Fredolph, H. W., and A. F.)
Johnson Helicopter Toy Aeroplane Corporation. (See Johnson, Jesse C., assignor.)
Johnson, Henning, Chicago, Ill. Air train-line coupling. 1,794,077; Feb. 24.
Johnson, Henry C. W., Pasadena, Calif. Emergency lock. 1,795,283; Mar. 3.
Johnson, Henry H. (See Meyers, J. A., and Johnson.)
Johnson, Henry J., M. W. Johnson, and S. P. Wallace, Freeport, Ill. Gas generator. 1,831,866; Nov. 17.
Johnson, Henry T., London, England. Self-supporting golf-bag and the like. 1,826,216; Oct. 6.
Johnson, Herbert B., Flushing, N. Y., and E. von Nostitz, Westfield, N. J.; said Johnson assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said von Nostitz assignor to American Telephone and Telegraph Company. Telephone system. 1,818,064; Aug. 11.
Johnson, Herbert L., Brooklyn, N. Y., assignor to Standard Oil Development Company. Sulfonic lubricating material and making the same. 1,795,491; Mar. 10.
Johnson, Herbert L., and J. H. Grant, Dexter, Me. Cam lock for screens and storm windows. 1,804,877; May 12.
Johnson, Herman W., assignor to Stiles-Herman Manufacturing Company, St. Louis, Mo. Metal-working tool. 1,809,126; June 9.
Johnson, Hiram W., Miami, Fla. Sales slip pad holder. 1,822,295; Sept. 8.
Johnson, Hjalmar W., East Chicago, Ind. Installing filler blocks in hot blast stove flues. 1,833,579; Nov. 24.
Johnson Ideal Halter Co. (See Johnson, Orville C., assignor.)
Johnson, James H., San Mateo, Calif. Combination pneumatic and spring support for vehicles. 1,823,401; Sept. 15.
Johnson, James H., Indianapolis, Ind., assignor to United States Hoffman Machinery Corporation, New York, N. Y. Machine for shaping and renovating hats. 1,822,971; Sept. 15.
Johnson, J. P., Engineering Co., The. (See Johnson, James P., assignor.)
Johnson, James O., Kokomo, Ind. Socket wrench. 1,808,660; June 2.
Johnson, James P., assignor to The J. P. Johnson Engineering Co., Cleveland, Ohio. Hoist. 1,833,648; Nov. 24.
Johnson, Jesse C., Delray, Fla., assignor to Johnson Helicopter Toy Aeroplane Corporation, New York, N. Y. Toy helicopter aeroplane. 1,793,368; Feb. 17.
Johnson, Jesse H., Denver, Colo. Projection board for enlarging machines. 1,814,390; July 14.
Johnson, Jesse H., Denver, Colo. Combined enlarging projector and photographic camera. 1,822,220; Sept. 8.
Johnson, Jewell R., Oshkosh, Wis. Motor-control system. 1,796,332; Mar. 17.
Johnson, Joe C., et al. (See Cameron, Hugh F., assignor.)
Johnson, John, Wimbledon, London, England. Water tube boiler. 1,816,780; July 28.
Johnson, John A., Bridgeport, Conn. Concrete-column clamp. 1,792,987; Feb. 17.
Johnson, John A., Brooklyn, N. Y. Delivery means for receptacle closure cap assembling machines. 1,832,399; Nov. 17.
Johnson, John A., Woodhaven, N. Y. Receptacle closure lining apparatus. 1,833,946; Dec. 1.
Johnson, John B. (See Oberdorfer, H. D., and Johnson.)
Johnson, John D., Los Angeles, Calif. Sash holder. 1,823,363; Sept. 15.
Johnson, John E. (See Oslund, C. H., and Johnson.)
Johnson, John E., Aurora, Ill. Die-sinking and engraving machine. 1,815,204; July 21.
Johnson, John E., Chicago, Ill. Coupling. 1,822,149; Sept. 8.
Johnson, John E., assignor to Speedaumat Manufacturing Company, Chicago, Ill. Device for recording sales transactions. 1,813,495; July 7.
Johnson, John E., St. Paul, Minn. Waterproofing compound for leather. 1,836,756; Dec. 15.
Johnson, John E., assignor to Johnson Engineering & Manufacturing Co., Wilkes-Barre, Pa. Pin board. 1,794,775; Mar. 3.
Johnson, John F., Spokane, Wash. Game board. Des. 84,038; Apr. 28.
Johnson, John H., Chula Vista, Calif. Food-preserving cabinet. 1,789,336; Jan. 20.
Johnson, John H., Chula Vista, Calif. Food display and dispensing apparatus. 1,800,863; Apr. 14.
Johnson, John H., Chula Vista, Calif. Food preserving table. 1,803,330; May 5.
Johnson, John K., New York, N. Y. Electric phonograph reproducer. 1,801,276; Apr. 21.
Johnson, John O., White Bear, assignor to Enterprise Holding Company, Minneapolis, Minn. Snowplow with side chute. 1,816,589; July 28.
Johnson & Johnson. (See Bennett, F. I., jr., and Knapp, assignors.)
Johnson & Johnson. (See Bruns, Alfred E., assignor.)
Johnson & Johnson. (See Hayden, Robert P., assignor.)
Johnson & Johnson. (See L'Hommedieu, Paige B., assignor.)

Johnson & Johnson. (See Prentiss, Paul D., assignor.)
Johnson, Jonas G., assignor to The Readybuilt Products Company, Baltimore, Md. Molding and apparatus therefor. 1,795,862; Mar. 10.
Johnson, Joseph, Butterfield, Minn. Grain thrasher. 1,814,755; July 14.
Johnson, Joseph A., Chicago, and G. W. Chalmers, Summit, Ill., assignors to International Patents Development Company, Wilmington, Del. Feeding device for presses. 1,805,246; May 12.
Johnson, Joseph B. (See Pemberton, U. C., and Johnson.)
Johnson, Joseph E., Roslindale, Mass. Window screen. 1,787,627; Jan. 6.
Johnson, Joseph E., Roslindale, Mass. Window screen. 1,824,897; Sept. 29.
Johnson, Joseph N., and L. A. Butterfield, Burwell, Nebr. Well casing. 1,834,784; Dec. 1.
Johnson, Joseph W. (See Johnson, G. W., and Truslow, assignors.)
Johnson, Karl G., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Circuit arrangement for relay switches. 1,811,318; June 23.
Johnson, Kenneth S., Jersey City, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artificial line. 1,788,526; Jan. 13.
Johnson, Kenneth S., assignor to Sayles Finishing Plants, Inc., Saylesville, R. I. Reeling machine. 1,835,495; Dec. 8.
Johnson Laboratories, Incorporated. (See Polydoroff, Wladimir J., assignor.)
Johnson, Lane. (See Biggert, F. C., jr., and Johnson.)
Johnson, Lane, Ingram, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Apparatus for shearing material. 1,814,513; July 14.
Johnson, Lane, Ingram, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Flying shears. 1,816,187; July 28.
Johnson, Lane, Ingram, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Repeater for rolling mills. 1,830,795; Nov. 10.
Johnson, Lane, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Differential adjustment for rolls. 1,825,957; Oct. 6.
Johnson, Laurence A., Kansas City, Mo. Street marker. 1,825,667; Oct. 6.
Johnson, Lawrence E., Melrose, and S. W. Day, Saugus, assignors to Lynn Products Co., Lynn, Mass. Electric radiator and humidifier. 1,836,253; Dec. 15.
Johnson, Leonard W., Batavia, Ill. Aligning fixture. 1,810,214; June 16.
Johnson, Leslie R., et al. (See Nelson, Elving O., assignor.)
Johnson, Lewis, Ten Mile Township, Whatcom County, Wash. Saw set. 1,790,751; Feb. 3.
Johnson, Lewis D., assignor to Lincoln Meter Company, Springfield, Ill. Meter. 1,807,215; May 26.
Johnson, Lewis H., Madison, N. J., and R. L. Stokely, Floral Park, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,804,778; May 12.
Johnson, Lincoln V., San Francisco, assignor to Gardner Manufacturing Company, Ltd., Sunnyvale, Calif. Apparatus for treating the contents of filled cans. 1,836,801; Dec. 15.
Johnson, Lincoln V., San Francisco, assignor to Gardner Manufacturing Company, Ltd., Sunnyvale, Calif. Cooker. 1,836,802; Dec. 15.
Johnson, Lincoln V., San Francisco, assignor to Gardner Manufacturing Company, Ltd., Sunnyvale, Calif. Apparatus for treating the contents of filled cans. 1,836,803; Dec. 15.
Johnson, Linus J. (See Fries, G. W., Finkhousen, and Johnson.)
Johnson, Lloyd A., Hillsborough, Calif. Making laminated shims. 1,800,942; Apr. 14.
Johnson, Lloyd E. (See Scofield, T. J., and Johnson.)
Johnson, Lloyd E. (See Scofield, T. J., Johnson, Billig, and Sparks.)
Johnson, Lloyd M. (See Dundas, W. A., and Johnson.)
Johnson, Louis J., assignor to Johnson Bros. Engineering Corporation, South Bend, Ind. Water-cooling system for outboard motors. Re18,120; July 7.
Johnson, Louis J., assignor to Johnson Brothers Engineering Corporation, South Bend, Ind. Outboard motor. 1,824,735; Sept. 22.
Johnson, Louis J., South Bend, Ind., and H. L. Johnson, Waukegan, Ill., assignors to Johnson Brothers Engineering Corporation, South Bend, Ind. Outboard motor. 1,824,736; Sept. 22.
Johnson, Louis J., South Bend, Ind., and H. L. Johnson, Waukegan, Ill., assignors to Johnson Brothers Engineering Corporation, South Bend, Ind. Outboard motor assembly. 1,824,737; Sept. 22.
Johnson, Louis J. and H. L., Waukegan, Ill., assignors to Johnson Brothers Engineering Corporation, South Bend, Ind. Outboard motor assembly. 1,824,738; Sept. 22.
Johnson, Louis J., South Bend, Ind., and H. L. Johnson, Waukegan, Ill., assignors to Johnson Brothers Engineering Corporation, South Bend, Ind. Outboard motor assembly. 1,824,739; Sept. 22.
Johnson, Louis J., South Bend, Ind., and H. L. Johnson, Waukegan, Ill., assignors to Johnson Brothers Engineering Corporation, South Bend, Ind. Water propulsion device. 1,824,740; Sept. 22.
Johnson, Louis V., Brooklyn, N. Y. Pocket-protector. 1,821,809; Sept. 1.
Johnson, Louis V., Brooklyn, N. Y. Pocket protector. 1,821,837; Sept. 1.
Johnson, Luther. (See Pierson, Charles U., assignor.)
Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Floor rack hinge. 1,835,221; Dec. 8.
Johnson, Mansfield. (See Lowery, Gilbert B., assignor.)
Johnson, Mark E., Harrisburg, Pa. Signal lamp. 1,800,078; Apr. 7.
Johnson, Martin T. (See Abelson, A. N., and Johnson.)
Johnson, Mary W. (See Johnson, Henry J., M. W., and Wallace.)
Johnson, Melvin, Forest City, Iowa. Cultivator sweep. 1,811,584; June 23.
Johnson Metal Products Co. (See Johnson, Theodore, assignor.)
Johnson Motor Company. (See Cook, Charles D., assignor.)
Johnson Motor Company. (See Cook, C. D., and Townsend, assignors.)
Johnson, Nels E., et al. (See Cooper, John, assignor.)
Johnson, Olaf S., Gloucester City, N. J. Rotary pump. 1,795,130; Mar. 3.
Johnson, Olive J., Texarkana, Tex. Article display stand. 1,801,432; Apr. 21.
Johnson, Olof, Northville, N. Y. Automobile transmission hoist. 1,805,402; May 12.
Johnson, Orville C., assignor to Johnson Ideal Halter Co., Aurora, Ill. Halter. 1,793,488; Feb. 24.
Johnson, Oscar, Glendale, Calif. Gripping device. 1,793,856; Feb. 24.
Johnson, Oscar H., Petaluma, Calif. Cover for egg cases. 1,836,122; Dec. 15.
Johnson, Oscar L., Warren, Pa. Electric switch. 1,832,779; Nov. 17.
Johnson, Otho, W., Baltimore, Md. Flying boat. 1,825,592; Sept. 29.
Johnson, Raleigh L., Philadelphia, Pa. Rail joint. 1,830,946; Nov. 10.
Johnson, Ralph G., Rogers, Ark. Barrel lift. 1,794,297; Feb. 24.
Johnson, Ray M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Machine for manufacturing rubber belts. 1,809,803; June 9.
Johnson, Ray M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Flap branding machine. 1,813,878; July 7.
Johnson, Ray W. (See Gauger, F. A., and Johnson.)
Johnson, Raymond P., Lynbrook, assignor to Standard Oil Company of New York, New York, N. Y. Automatic valve. 1,810,353; June 16.
Johnson, Reinhold, Brooklyn, N. Y. Internal-combustion engine. 1,793,444; Feb. 17.
Johnson, Richard L., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Multiple lamp socket. 1,809,753; June 9.
Johnson, Richard P. (See Cummings, Schiller B., assignor.)
Johnson, Richard S., York, Pa. Electric lamp. Des. 84,830; Aug. 11.
Johnson, Robert A. (See Fancher, C. J., and Johnson.)
Johnson, Robert A., Longmeadow, and E. M. Chase, Springfield, assignors to Porter-McLeod Machine Tool Co., Hatfield, Mass. Roll turning machine. 1,811,504; June 23.
Johnson, Roscoe T., Jacksonville, Fla. Hairbrush. 1,831,667; Nov. 10.
Johnson, Rossiter, New York, N. Y. Paper weight. Des. 83,255; Feb. 10.
Johnson, Roy E., Minneapolis, Minn. Machine for sawing material at various angles. 1,807,216; May 26.
Johnson, Roy W., Columbus, Ohio, assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Head-lamp lens. Des. 83,045; Jan. 13.
Johnson, Roy W., Columbus, Ohio, assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Pillar roof lamp. Des. 84,746; July 28.
Johnson, Roy W., Columbus, Ohio, assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Lens for vehicle lamps. Des. 84,747; July 28.
Johnson, Roy W., Columbus, Ohio, assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Lens for vehicle lamps. Des. 84,748; July 28.
Johnson, Roy W., assignor to The John W. Brown Manufacturing Company, Columbus, Ohio. Vehicle headlamp. 1,801,047; Apr. 14.
Johnson, Roy W., assignor to The John W. Brown Manufacturing Company, Columbus, Ohio. Bulb mounting for headlamps. 1,803,709; May 5.
Johnson, Roy W., Milwaukee, Wis., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Regulating system for heaters. 1,835,307; Dec. 8.
Johnson, Russell H. (See Szekely, O. E., and Johnson.)
Johnson, Russell H., and O. E. Szekely, Holland, Mich., assignors to Brown Lynch Scott Co., Monmouth, Ill. Wheeled harrow. 1,830 761; Nov. 10.
Johnson, S. C., & Son. (See Beach, Chester H., assignor.)
Johnson, Samuel J., assignor to The Seinsheimer Paper Company, Cincinnati, Ohio. Window shade. 1,807,533; May 26.
Johnson, Selvar G., Chicago, Ill. Pile forming and delivery means. 1,792,693; Feb. 17.

Johnson Service Company. (See Fortier, Charles L., assignor.)
Johnson Service Company. (See Otto, Carl A., assignor.)
Johnson, Sidney G., Rahway, N. J., assignor to General Railway Signal Company, Rochester, N. Y. Safety device for power operated switches. 1,824,741; Sept. 22.
Johnson, Sigurd W. L., and C. Zarembinsky, Minneapolis, assignor of one-third to H. M. Robertson, St. Paul, Minn. Jack with automatic wheel retainer. 1,813,164; July 7.
Johnson, Sven A., Brooklyn, N. Y., and F. C. Risselt, Tenafly, N. Y. Air relief valve for heating systems. 1,825,459; Sept. 29.
Johnson, Sydney E., and S. I. Kornhauser, assignors to Standard Furnace and Range Company, Louisville, Ky. Dissecting table. 1,793,489; Feb. 24.
Johnson, Sylvester A., North Providence, assignor to Speidel Bros., Providence, R. I. Bracelet end connecter. 1,830,660; Nov. 3.
Johnson, Sylvester A., North Providence, assignor to Speidel Bros., Providence, R. I. Extensible bracelet. 1,831,452; Nov. 10.
Johnson, Sylvester A., North Providence, assignor to Speidel Bros., Providence, R. I. Extension device. 1,834,708; Dec. 1.
Johnson, Sylvester A., North Providence, assignor to Speidel Bros., Providence, R. I. Extension device. 1,835,496; Dec. 8.
Johnson, Theodore, Erie, assignor to Johnson Metal Products Co., Erie, Pa. Casement window structure. 1,805,403; May 12.
Johnson, Theodore, assignor to Johnson Metal Products Co., Erie, Pa. Casement window. 1,837,444; Dec. 22.
Johnson, Theodore, assignor to Johnson Metal Products Co., Erie, Pa. Locking means for casement windows. 1,837,445; Dec. 22.
Johnson, Theodore E., Uxbridge, Ontario, Canada. Anti-skid device. 1,788,159; Jan. 6.
Johnson, Theodore G., Kansas City, Mo. Cleaning device. 1,792,589; Feb. 17.
Johnson, Tomlinson F., jr., Atlanta, Ga. Method and apparatus for locating defective insulators. 1,797,346; Mar. 24.
Johnson, Victor E., assignor of one-half to W. G. Goodwin, Royal Oak, Mich. Joint-making device. 1,830,702; Nov. 3.
Johnson, Vivion A., assignor to Supreme Instruments Corporation, Greenwood, Miss. Alternating-current direct-current meter. 1,811,319; June 23.
Johnson, Vivion A., assignor to Supreme Instruments Corporation, Greenwood, Miss. Jack switch. 1,839,034; Dec. 29.
Johnson, Walfrid, Summit, N. J. Steering gear. 1,810,609; June 16.
Johnson, Wallace C., East Orange, N. J., assignor to Industrial Welded Alloys Inc., Newark, N. J. Lined tanks or pressure vessels. 1,824,898; Sept. 29.
Johnson, Wallace D., assignor to Yates-American Machine Company, Beloit, Wis. Chip breaker. 1,798,206; Mar. 31.
Johnson, Walter C., Jamestown, N. Y. Adjustable die. 1,825,067; Sept. 29.
Johnson, Walter L., Lincoln, Nebr. Applicator. 1,819,898; Aug. 18.
Johnson, Warren V., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,803,392; May 5.
Johnson Washer Company, The. (See Schuyler, Frank B., assignor.)
Johnson, Wayne R., Southgate, Calif. Coupling and valve. 1,809,127; June 9.
Johnson, Wilfred G., assignor to The Colson Company, Elyria, Ohio. Heavy-duty caster. 1,791,448; Feb. 3.
Johnson, Wilfred G., assignor to The Colson Company, Elyria, Ohio. Caster. 1,821,642; Sept. 1.
Johnson, Wilfred G., assignor to The Colson Company, Elyria, Ohio. Caster. 1,829,862; Nov. 3.
Johnson, William C. (See McCahey, George F., assignor.)
Johnson, William C., Milwaukee, Wis. Screw-thread-cutting device. 1,796,333; Mar. 17.
Johnson, William C., assignor to Machinery Development Company, Milwaukee, Wis. Setting out board. 1,808,306; June 2.
Johnson, William F., assignor of one-half to G. J. Ervin, Utica, N. Y. Guard attachment for wringers. 1,830,109; Nov. 3.
Johnson, William G., Pittston, Pa. Mine-shaft gate. 1,794,712; Mar. 3.
Johnson, William G., assignor to Line Material Company, South Milwaukee, Wis. Fiber conduit. 1,800,538; Apr. 14.
Johnson, William G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Tube-forming apparatus. 1,817,923; Aug. 11.
Johnson, William H. (See Simonel, G., and Johnson.)
Johnson, William H., Arlington, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail plate feeder. 1,825,695; Oct. 6.
Johnson, William O., Denver, Colo. Shoe. Des. 84,144; May 12.
Johnson, William P., Des Moines, Iowa. Tub support. 1,790,476; Jan. 27.
Johnson, William P., assignor of one-half to S. L. Fudge, Daisetta, Tex. Sampling device for wells. 1,800,144; Apr. 7.
Johnson, Wilmott W. (See Novotny, E. E., and Johnson.)
Johnston, Alan C. (See Bent, L. N., and Johnston.)
Johnston, Alan C., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Producing resin esters. 1,824,020; Sept. 22.
Johnston, Algot S. (See Davies, T. D., and Johnston.)
Johnston, Allan T., Mount Lebanon, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,792,427; Feb. 10.
Johnston, Arthur C., assignor to Link-Belt Company, Chicago, Ill. Duplex screen. 1,799,299; Apr. 7.
Johnston, Charles S., Glencoe, assignor to Union Metal Products Company, Chicago, Ill. Railway car. 1,837,969; Dec. 22.
Johnston, Charles W., Portsmouth, Va., assignor to Virginia Smelting Company, Portland, Me. Container for compressed gases and liquids. 1,795,560; Mar. 10.
Johnston, Clarence F. (See Johnston, Orin A. and C. F.)
Johnston, Clarence L., Berkeley, and E. A. Owens, assignors to Selectasine System, Inc., San Francisco, Calif. Stencil printing machine. 1,832,216; Nov. 17.
Johnston, Clarence W. H., Dallas, Tex. Apparatus for bracing vehicles in freight cars. 1,828,145; Oct. 20.
Johnston, Daisy E. (See Timson, Roscoe P., assignor.)
Johnston, Earl R., Pittsburgh, Pa. Pastry filler. 1,795,307; Mar. 10.
Johnston, Edgar C., El Dorado, Ark. Tool for testing well formations. 1,790,424; Jan. 27.
Johnston, Edward A., Chicago, Ill. Mechanical scrubber. 1,798,327; Mar. 31.
Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Unit power plant support for motor vehicles. 1,811,052; June 23.
Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Harvester. 1,819,605; Aug. 18.
Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Spiral cone cotton cleaner. 1,832,028; Nov. 17.
Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Magneto generator. 1,832,934; Nov. 24.
Johnston, Edward A., and D. B. Baker, Chicago, Ill., assignors to International Harvester Company. Cotton picker. 1,802,022; Apr. 21.
Johnston, Edward A., and D. B. Baker, Chicago, Ill., assignors to International Harvester Company. Doffing mechanism for cotton pickers. 1,828,534; Oct. 20.
Johnston, Edward A., D. B. Baker, and D. R. Ake, Chicago, Ill., assignors to International Harvester Company. Cotton picker. 1,802,021; Apr. 21.
Johnston, Emmett L., and R. L. Green, Roanoke, Va. Combination tool. 1,791,817; Feb. 10.
Johnston, Ernest, Loveland, Colo. Building. Des. 84,145; May 12.
Johnston, Francis F. (See Littleford, J. W., and Johnston.)
Johnston, Francis E., St. Joseph, Mo. Machine for forming cattle food into compressed bodies. 1,800,890; Apr. 14.
Johnston, Fred E. (See MacDonald, W. A., and Johnston.)
Johnston, George E., assignor of one-half to M. Schier, Dunnville, Ontario, Canada. Wool rug needle. 1,832,559; Nov. 17.
Johnston, George S., San Francisco, Calif., assignor to American Optical Company, Southbridge, Mass. Lens testing device. 1,803,473; May 5.
Johnston, George V., Loveland, assignor to Cincinnati Grinders, Incorporated, Cincinnati, Ohio. Grinding machine. 1,834,158; Dec. 1.
Johnston, Harry, Ocean Beach, Calif., assignor to E. F. Reardon, Brooklyn, N. Y. Outboard motor truck and support. 1,790,711; Feb. 3.
Johnston, Harry A., Redlands, assignor to Johnston Tractors Company, Ltd., Los Angeles, Calif. Double piston single cylinder internal combustion engine. 1,837,870; Dec. 22.
Johnston, Herbert A. (See Doughty, G. A., and Johnston.)
Johnston, Herbert L., assignor to the Hobart Manufacturing Company, Troy, Ohio. Meat grinder. 1,807,574; May 26.
Johnston, Howard H., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,819,177; Aug. 18.
Johnston, Howard M. (See Harris, B. S., and Johnston.)
Johnston, Howard M., and O. H. Shenstone, Toronto, Ontario, assignors to Massey Harris Company, Toronto, Canada. Fertilizer distributor. 1,805,096; May 12.
Johnston, James W., assignor to Lacene Manufacturing Company, Manchester, N. H. Grading machine. 1,806,166; May 19.
Johnston, James W., assignor to Lacene Manufacturing Company, Manchester, N. H. Grading machine. 1,835,057; Dec. 8.
Johnston, John A., Provo, Utah. Poultry fountain. 1,816,781; July 28.
Johnston, Joseph E., Des Moines, Iowa. Combined tally device and ash tray. Des. 85,874; Dec. 29.
Johnston, Joseph W., Steubenville, Ohio. Making brake drums. 1,822,814; Sept. 8.
Johnston, Katheryne L., Chicago, Ill. Article attaching device. 1,810,914; June 23.

Johnston, Leroy F., assignor to Waterbury Cable Service, Inc., New York, N. Y. Plug extractor. 1,818,626; Aug. 11.
Johnston, Lynn, assignor to The Electric Railway Equipment Company, Cincinnati, Ohio. Removable expansion bolt. 1,793,739; Feb. 24.
Johnston, Norman F., assignor of one-half to J. A. Wilkie, Glasgow, Scotland. Building or garage for stowing motor cars and other vehicles. 1,800,079; Apr. 7.
Johnston, Orin A., Purcell, and C. F., Oklahoma City, Okla. Convertible basket-table. 1,813,451; July 7.
Johnston Pressed Gear Co. (See Sharp, Allen W., assignor.)
Johnston, Ralph S., and S. M. Bratton, assignors to The Pusey & Jones Corporation, Wilmington, Del. Paper-slitting machine. 1,797,662; Mar. 24.
Johnston, Robert T., New Brunswick, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Mechanism for making roofing. 1,816,329; July 28.
Johnston, Roy E., Seattle, Wash. Dirigible spotlight. 1,831,356; Nov. 10.
Johnston Tractors Company. (See Johnston, Harry A., assignor.)
Johnston, Virgil S., Huntington Park, Calif. Water filter. 1,811,755; June 23.
Johnston, W. Wyllie, trustee. (See Ross, Carmen E., assignor.)
Johnston, Walter C., Polk City, Fla. Ornamental article and making the same. 1,804,833; May 12.
Johnston, Walter E., Youngstown, Ohio. Welding mask. 1,793,286; Feb. 17.
Johnston, William, Ashford, assignor to Acetex Safety Glass Limited, London, England. Manufacture of compound sheets of glass and cellulose derivative composition. 1,809,276; June 9
Johnston, William, jr., Pittsburgh, Pa. Clay gun. 1,825,734; Oct. 6.
Johnston, William H., Proctor, Minn. Hand brake mechanism. 1,795,954; Mar. 10.
Johnstone, Edward J., Lockport, N. Y. Sizing paper and product therefrom. 1,834,844; Dec. 1.
Johnstone, George F., Chicago, Ill. Etching machine. 1,788,462; Jan. 13.
Johnstone, John, and P. J. and A. E. Allen, Gisborne, New Zealand. Diaphragm operative switch. 1,833,996; Dec. 1.
Johnstone, Robert M. (See Cameron, J. A., and Johnstone.)
Johnstone, Robert M., Short Hills, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y. Slitting device. 1,820,142; Aug. 25.
Johnstone, Robert M., Short Hills, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y. Web roll controlling mechanism. 1,832,906; Nov. 24.
Johnstone, Sara P. W., Boston, assignor to Lloyd W. Kennedy, Cambridge, Mass. Bag for hats or similar articles. Des. 85,830; Dec. 22.
Joint Manfg. Co. (See Wambsgans, William H., assignor.)
Joksch, Rudolf, Vienna, Austria. Indicating mechanism for weighing apparatus. 1,827,848; Oct. 20.
Jolidon, Charles J., Hartford, Conn. Nail trimmer. 1,808,777; June 9.
Jolls, John M., Philadelphia, Pa. Apparatus for teaching music. 1,796,845; Mar. 17.
Jolls, John M., Philadelphia, Pa. Apparatus for teaching music. 1,805,488; May 19.
Jolly, Charles L., Wilmar, Calif. Hydraulic brake. 1,805,985; May 19.
Joly, Paul, Paris, France. Telephony and telegraphy. 1,795,212; Mar. 3.
Jonas, Emil J., Cincinnati, Ohio. Automatic slack adjuster for brake rigging. 1,817,081; Aug. 4.
Jonas, Julius, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Mercury vapor rectifier. 1,801,772; Apr. 21.
Jonas, Julius, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Transformer protection device. 1,807,846; June 2.
Jonas, Julius, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Electric transformer. 1,814,557; July 14.
Jonas, Julius, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Locating earth faults in electrical systems. 1,822,701; Sept. 8.
Jonas, Oskar, K. Weger, and G. Treblitz, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft Frankfort-on-the-Main, Germany. Extracting clay and other aluminous raw material. 1,796,107; Mar. 10.
Jones, Adrian S., Redwood City, Calif. Tanning apparatus. 1,813,744; July 7.
Jones, Albert R., et al. (See Costigan, Charles C., assignor.)
Jones, Alfred, assignor to Armstrong Cork Company, Lancaster, Pa. Manufacture of printed floor coverings. 1,805,144; May 12.
Jones, Alfred D., and S. J. Smith, Glasgow, Scotland. Phonograph and the like. 1,809,901; June 16.
Jones, Alfred J., Bristol, and F. Nicholas, Lawrence Weston, assignors to E. S. & A. Robinson, Limited, Bristol, England. Slitting and winding apparatus. 1,833,580; Nov. 24.
Jones, Alfred L., Green City, Mo. Cattle guard. 1,816,807; July 28.
Jones, Alfred L., executor. (See Scott, E. B., and Davies.)
Jones, Alfred, and H. A. Webster, Lancaster, assignors to Armstrong Cork Company, Pittsburgh, Pa. Machine for printing floor coverings. 1,788,397; Jan. 13.
Jones, Alice M., assignor to Pinaud Incorporated, New York, N. Y. Bottle. Des. 82,992; Jan. 6.
Jones, Alice M., assignor to Pinaud, Inc., New York, N. Y. Vanity case. Des. 84,083; May 5.
Jones, Allan H., assignor to Roller Bearing Company of America, Trenton, N. J. Feeder. 1,828,662; Oct. 20.
Jones, Allan H., assignor to Roller Bearing Company of America, Trenton, N. J. Securing element. 1,829,657; Oct. 27.
Jones, Andrew U., Montreal, Quebec, Canada. Humidifier. 1,838,405; Dec. 29.
Jones, Arthur, assignor to U. S. Smelting Furnace Company, Belleville, Ill. Smelting furnace. 1,838,145; Dec. 29.
Jones, Arthur B., assignor to Industrial Associates, Inc., New York, N. Y. Separation of oil. 1,824,780; Sept. 29.
Jones, Barabour E. (See Irsch, Jacob, assignor.)
Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Voltage-regulating system. 1,790,712; Feb. 3.
Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Motor control. 1,829,658; Oct. 27.
Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Bucket hoist control. 1,834,785; Dec. 1.
Jones, Benjamin W., and W. J. Fleming, Schenectady, N. Y., assignors to General Electric Company. Controller for electric motors. 1,828,567; Oct. 20.
Jones, Benson M., Pittsburgh, and J. Hintermann, Swissvale, Pa. Balancing transformer. 1,829,901; Nov. 3.
Jones, Boone, Cushing, Okla. Instrument for recording deviations and vertical corrections in boreholes. 1,815,672; July 21.
Jones, Carl P., and W. D. Paynter, Grass Valley, Calif.; Catherine Paynter administratrix of said W. D. Paynter, deceased. Reducing fractures. 1,829,902; Nov. 3
Jones, Charles F., Lexington, Ky. Switch stand. 1,798,089; Mar. 24.
Jones, Charles H., Philadelphia, Pa., assignor to Union Special Machine Company, Chicago, Ill. Presser foot for serving machines. 1,820,460; Aug. 25.
Jones, Charles H., Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,830,110; Nov. 3.
Jones, Charles L., Pelham, N. Y. Heat transfer apparatus. 1,815,570; July 21.
Jones, Charles L., Pelham, assignor to Dryice Equipment Corporation, New York, N. Y. Refrigerating apparatus and method. 1,822,851; Sept. 8.
Jones, Charles L., Pelham, N. Y., and H. S. McIlvain, Belleville, N. J., assignors to Dryice Equipment Corporation, New York, N. Y. Refrigerating apparatus, package, and method. 1,825,068; Sept. 29.
Jones, Charles L., Pittsburgh, Pa., and J. D. Small, Douglaston, assignors by mesne assignments to Dryice Equipment Corporation of America, New York, N. Y. Method of and apparatus for storage and shipment of solid carbon dioxid. 1,822,626; Sept. 8.
Jones, Charles W., Glen Ridge, N. J., assignor to Sons-Cunningham Reed & Rattan Co., Inc., New York, N. Y. Chair or similar article. Des. 85,182; Sept. 22.
Jones, Charles W., Glen Ridge, N. J., assignor to Sons-Cunningham Reed & Rattan Co., Inc., New York, N. Y. Chair or similar article. Des. 85,183; Sept. 22.
Jones, Charles W., Glen Ridge, N. J., assignor to Sons-Cunningham Reed & Rattan Co., Inc., New York, N. Y. Chair or similar article. Des. 85,184; Sept. 22.
Jones Chemical Company. (See Jones, Coulter W., assignor.)
Jones, Clarence I., St. Louis, Mo. Dump vehicle. 1,795,399; Mar. 10.
Jones, Clarence W., Philadelphia, Pa. Holder for safety razor blades when sharpening the same. 1,820,666; Aug. 25.
Jones, Cliff C., Los Angeles, Calif., assignor of one-fourth to G. W. Dick, Bournemouth, England. Electrical plug connection. 1,812,153; June 30.
Jones, Clyde W., Bloomington, Ind. Saw. 1,797,611; Mar. 24.
Jones, Coulter W., assignor to The Dow Chemical Company, Midland, Mich. Obtaining strontium from mixed solutions. 1,831,251; Nov. 10.
Jones, Coulter W., assignor to Jones Chemical Company, Incorporated, McDade, La. Extracting iodine from aqueous solutions. 1,837,777; Dec. 22.
Jones, Cyrus. (See Jones, Roland B. and C. F.)
Jones, Daniel E., St. Louis, Mo., assignor to Clifford L. Flaven, as trustee. Burial vault. 1,789,954; Jan. 20.
Jones, Dewey L. (See Crolley, S. L., and Jones.)
Jones, E. D., & Sons Co. (See Feeley, Frank G., assignor.)
Jones, Ed L. (See Vroman, John C., assignor.)
Jones, Edward B., Detroit, Mich. Toy vehicle. 1,797,471; Mar. 24.
Jones, Edward F., San Francisco, Calif., assignor to The Philip Carey Manufacturing Company. Pipe insulation. 1,789,819; Jan. 20.

Jones, Edward N., Pittsburgh, Pa., assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Body for transporting concrete. 1,798,845; Mar. 31.
Jones, Edward N., Pittsburgh, Pa., assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Dumping truck. 1,815,653; July 21.
Jones, Edwin W. (See Hall-Brown, A., and Jones.)
Jones, Edwin W., Lincoln, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water tube steam generator. 1,814,447; July 14.
Jones, Elbert S. (See Wharton, Selvin T., assignor.)
Jones, Ellis L., Long Island City, N. Y., assignor by mesne assignments to American Sealcone Corporation, New York, N. Y. Receptacle filling apparatus. 1,824,899; Sept. 29.
Jones, Elmer M., Atlanta, Ga. Package dispensing apparatus. 1,804,534; May 12.
Jones, Eric L. (See Perl, Albert H. F., assignor.)
Jones, Ernest B., South Weymouth, assignor to National Fireworks, Inc., West Hanover, Mass. Toy pistol. 1,831,453; Nov. 10.
Jones, Ethelbert. (See Matthews, W. R., and Jones.)
Jones, Eunice, Melon, Tex. Water cooler. 1,803,393; May 5.
Jones, Forrest R., et al. (See Miller, W. J., and Jones, assignors.)
Jones, Frank D., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Alarm device for baling presses. 1,838,838; Dec. 29.
Jones, Frank E., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting machine and producing split fabric. 1,796,202; Mar. 10.
Jones, Frank H., Upper Sandusky, Ohio. Friction clutch disk. 1,804,878; May 12.
Jones, Frank H., Upper Sandusky, Ohio. Clutch. 1,834,456; Dec. 1.
Jones, Fred, H. Schwab, and C. P. Skinner, Ventura, Calif. Releasing overshot. 1,797,505; Mar. 24.
Jones, Frederick C. (See Fiegel, W. J., and Jones.)
Jones, Frederick C., and V. Skillman, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Lining bearings. 1,789,979; Jan. 27.
Jones Gas Process Corporation. (See Jones, L. B., assignor.)
Jones, George, Waxahachie, Tex. Stove. 1,810,711; June 16.
Jones, George D., assignor to The Cleveland Tractor Company, Cleveland, Ohio. Pushed agricultural implement. 1,827,237; Oct. 13.
Jones, George E., jr., and P. S. McCallen, Knoxville, Tenn., assignors to Sanford Investment Company, Wilmington, Del. Mine car. 1,809,707; June 9.
Jones, George F. (See Morgan, B. H., and Jones.)
Jones, George F., Dallas, Tex. Overhead bulkhead drop gate for box and refrigerator cars. 1,803,760; May 5.
Jones, George F., Westminster, London, England, assignor to British Metallic Packings Company (1929) Limited. Metallic packing for reciprocating shafts. 1,819,559; Aug. 18.
Jones, George W., et al. (See Gray, H. P., Jones and Roberson.)
Jones, Gordon F., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker tripping system. 1,819,245; Aug. 18.
Jones, Grenville E., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive-tender structure. 1,793,490; Feb. 24.
Jones, Grinnell, Cambridge, Mass. Metal cleaning compound. 1,836,665; Dec. 15.
Jones, Grinnell, and D. W. Marshall, Cambridge, Mass.; said Marshall assignor to said Jones. Silver cleaning composition. 1,823,402; Sept. 15.
Jones, Gwilym D., Oak Creek, assignor of one-half to Benjamin W. Snodgrass, Denver, Colo. Flexible conveyer. 1,821,644; Sept. 1.
Jones, Gwilym D., Oak Creek, assignor of one-half to Benjamin W. Snodgrass, Denver, Colo. Power transferring device. 1,821,645; Sept. 1.
Jones, Gwilym D., Oak Creek, assignor of one-half to Benjamin W. Snodgrass, Denver, Colo. Power transmitting device. 1,821,646; Sept. 1.
Jones, Harry C., New York, N. Y. Photomechanical machine. 1,789,367; Jan. 20.
Jones, Harry C., New York, N. Y. Camera. 1,793,698; Feb. 24.
Jones, Harry C., New York, N. Y. Printing frame and stand. 1,831,389; Nov. 10.
Jones, Harry W. (See Sanford, H. W., and Jones.)
Jones, Henry. (See Robinson, L. W., and Jones.)
Jones, Herbert C., Wichita, Kans. Electric power driven vehicle. 1,831,071; Nov. 10.
Jones, Herman M., Altadena, Calif. Internal combustion engine. 1,830,796; Nov. 10.
Jones, Hilton I., Wilmette, Ill. Thermoelectric switch. 1,795,400; Mar. 10.
Jones, Hilton Ira, Wilmette, Ill. Treating fabrics. 1,799,047; Mar. 31.
Jones, Homer W., Newark, N. J., assignor to Oxweld Acetylene Company. Gas lighter. 1,787,530; Jan. 6.
Jones, Homer W., Elmhurst, N. Y., assignor to National Carbon Company, Inc. Focusing flash light. 1,820,620; Aug. 25.
Jones, Homer W., Jackson Heights, N. Y., assignor to National Carbon Company, Inc. Focusing hand lamp. 1,825,354; Sept. 29.
Jones, Homer W., Newark, N. J., and H. G. Graubner, New York, N. Y., assignors to National Carbon Company, Inc. Battery hand lamp. 1,788,575; Jan. 13.
Jones, Homer W., Newark, N. J. and F. S. Miley, Port Washington, N. Y., assignors to National Carbon Company, Inc. Contact means for battery energized devices. 1,823,105; Sept. 15.
Jones, Howard A., Schenectady, N. Y., assignor to General Electric Company. Ballast resistor. 1,804,344; May 5.
Jones, Howard B. (See Bockius, W. A., and Jones.)
Jones, Howard H., North Hollywood, Calif. Pad for football players. 1,805,734; May 19.
Jones, Hugh J., Denver, Colo. Display device. 1,824,721; Sept. 22.
Jones, Hugo W., East Orange, N. J., assignor to Westinghouse Lamp Company. Supporting electrodes in electron-discharge devices. 1,791,275; Feb. 3.
Jones, Ira M., assignor to C. A. Bechstein and E. E. Kornetz, Milwaukee, Wis. Apparatus for stretching skins and leather. Re17,929; Jan. 13.
Jones, Irving H., Massillon, Ohio. Clock casing. Des. 84,640; July 14.
Jones, J. Raymond, Spring House, Pa., assignor to Alan Wood Steel Company. Running board for railway cars. 1,831,810; Nov. 17.
Jones, Jacob R., Indianapolis, Ind. Attachment for license plates. 1,804,013; May 5.
Jones, James I. M. (See Morton, J., and Jones.)
Jones, James I. M. (See Morton, J., Jones, Wylam, and Harris.)
Jones, James I. M., and W. Kilby, Lancaster, England, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Dyeing and printing. 1,826,352; Oct. 6.
Jones, James R. (See Larson, O. J., and Jones.)
Jones, James R., assignor to Art Metal Construction Company, Jamestown, N. Y. Partition and analogous structure. 1,834,710; Dec. 1.
Jones, James T., assignor to N. A. Way, C. Zelmenovitz and A. Burford, Brunswick, Ga. Apparatus for the production of gas from gasoline. 1,791,213; Feb. 3.
Jones, John D., Portland, Oreg. Bearing. 1,794,623; Mar. 3.
Jones, John D., Portland, Oreg. Water cooled bearing. 1,804,693; May 12.
Jones, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for tinting photographic film. 1,787,824; Jan. 6.
Jones, John G., and H. G. Dewey, assignors to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for making photographic film backing paper with thin edges. 1,809,415; June 9.
Jones, John L., Ensley, Ala. Inspirator. 1,822,992; Sept. 15.
Jones, John L., Weymouth, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Gauge mechanism for fastening inserting machines. 1,824,958; Sept. 29.
Jones, Joseph S., Brooklyn, assignor to Chas. Cory Corporation, New York, N. Y. Wind intensity and direction transmitter and indicator. 1,827,151; Oct. 13.
Jones, Joseph S., Brooklyn, N. Y., assignor, by mesne assignments, to Chas. Cory Corporation. Firing key. 1,837,185; Dec. 15.
Jones, Laban E. and A. N. Nadeau, Anaconda, Mont. Coin-handling apparatus. 1,823,829; Sept. 15.
Jones & Lamson Machine Company. (See Bysshe, E. T., and Finn, assignors.)
Jones & Lamson Machine Company. (See Lovely, John E., assignor.)
Jones & Lamson Machine Company. (See Perry, George A., assignor.)
Jones & Lamson Machine Company. (See Porter, R. W., and Beardsley, assignors.)
Jones & Laughlin Steel Corporation. (See Boardman, Charles S., assignor.)
Jones & Laughlin Steel Corporation. (See Free, John W., assignor.)
Jones & Laughlin Steel Corporation. (See Kehl, Henry L., assignor.)
Jones & Laughlin Steel Corporation. (See Rendleman, Norman C., assignor.)
Jones, La Verne R., Oneida, N. Y. Direction indicator for aeroplane fields. Des. 85,437; Oct. 27.
Jones, Lawrence, Beards Fork, W. Va. Manuscript holder for typewriters. 1,804,258; May 5.
Jones, Leander J., High Point, N. C. Hose coupling. 1,815,407; July 21.
Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Dewaxing oil. 1,806,570; May 19.
Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal machine. 1,824,722; Sept. 22.
Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal machine. 1,824,723; Sept. 22.
Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Friction gearing. 1,827,891; Oct. 20.
Jones, Leon B., San Francisco, Calif., assignor to Jones Gas Process Corporation. Apparatus for the manufacture of gas from oil. 1,828,704; Oct. 20.

Jones, Lester L., Oradell, N. J. Radiofrequency circuit. 1,788,197; Jan. 6.
Jones, Lester L., Oradell, N. J. Train-control system. 1,790,477; Jan. 27.
Jones, Lester L., Oradell, N. J. Radio receiving system. 1,791,030; Feb. 3.
Jones, Lester L., Oradell, N. J. Uni-control apparatus. 1,809,516; June 9.
Jones, Lester L., Oradell, N. J. Supporting magnetic 1,809,556; June 9.
Jones, Lester L., Oradell, N. J. Variable resistance unit. 1,819,246; Aug. 18.
Jones, Lester L., Oradell, N. J. Radio frequency amplifying system. 1,826,550; Oct. 6.
Jones, Lester L., Oradell, N. J. Variable resistor. 1,836,600; Dec. 15.
Jones, Lewis C., Philadelphia, Pa. Nonskid drag for automobiles. 1,830,661; Nov. 3.
Jones, Llewellyn J. W., Tacoma, assignor to J. F. O'Brien, Seattle, Wash. Explosive. 1,820,567; Aug. 25.
Jones, Llewellyn J. W., Tacoma, assignor to J. F. O'Brien, Seattle, Wash. Explosive. 1,820,568; Aug. 25.
Jones, Lloyd T., Berkeley, Calif. Circuit breaker. 1,799,689; Apr. 7.
Jones, Lloyd T., Berkeley, Calif. Mercury vapor turbine. 1,804,694; May 12.
Jones, Louis A. (See Baker, Roy C., assignor.)
Jones, Louis C., Greenwich, Conn., assignor to Chemical Engineering Corporation, New York, N. Y. Purifying the nitrogen-hydrogen mixture in the synthesis of ammonia. 1,794,903; Mar. 3.
Jones, Louis C., Greenwich, Conn., assignor to Chemical Engineering Corporation, New York, N. Y. Production of ammonia. 1,830,167; Nov. 3.
Jones, Louis S., G. W. Fisher, and M. C. Butler, Anderson, Ind., and C. G. Henrikson, Newark, N. J., assignors to The National Title Company, Anderson, Ind. Illuminating system for tile-mounting machine. 1,832,558; Nov. 17.
Jones, Louis W., New York, N. Y. Stock and die. structures. 1,808,778; June 9.
Jones, Louis W., New York, N. Y., assignor to Hollands Manufacturing Company, Erie, Pa. Pipe vise stand. 1,807,916; June 2.
Jones, Louis W., New York, N. Y., assignor to Hollands Manufacturing Company, Erie, Pa. Chain pipe vise. 1,807,917; June 2.
Jones, Loyd A., assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture and sound film with position indication. 1,787,825; Jan. 6.
Jones, Lyman L., Seattle, Wash., assignor to American Can Company, New York, N. Y. Can end counting and stacking machine. 1,803,621; May 5.
Jones, Matthew T., Blackwell, Okla. Hitch and tire protector. 1,830,467; Nov. 3.
Jones, Michael D., Allentown, assignor to Fuller Lehigh Company, Fullerton, Pa. Process and apparatus for pulverizing material. 1,822,221; Sept. 8.
Jones, Montgomery O., and W. P. Shomaker, assignors to The Duplex Envelope Co. Inc., Richmond, Va. Dating and numbering mechanism. 1,792,642; Feb. 17.
Jones, Oliver V., Webster Groves, and A. Schneider, St. Louis, Mo. Apparatus for purifying cream. 1,796,951; Mar. 17.
Jones, Paul A., Cincinnati, Ohio. Clamping and tie-gripping tool. 1,794,904; Mar. 3.
Jones, Paul, A., Jonesville, Mich. Brush. 1,809,974; June 16.
Jones, Philip, Los Angeles, Calif. Steam actuated rotary drilling control. 1,810,246; June 16.
Jones, Philip, Los Angeles, Calif. Steam actuated automatic rotary drill. 1,810,247; June 16.
Jones, Philip, and P. W. Prutzman, Los Angeles, Calif. Steam control of rotary feeding means. 1,798,797; Mar. 31.
Jones, Philip, and P. W. Prutzman, Los Angeles, Calif. Mechanical rotary drilling control. 1,804,779; May 12.
Jones, Philip, and P. W. Prutzman, Los Angeles, Calif. Power actuated means for feeding rotary drills. 1,810,248; June 16.
Jones, R. A., & Company. (See Jones, Ruel A., assignor.)
Jones, Ralph H., Cincinnati, Ohio, assignor to Brandle and Smith Company, Philadelphia, Pa. Transparent package for confections or the like. Des. 85,875; Dec. 29.
Jones, Richard B. (See Smith, A. W., and Jones.)
Jones, Robert D., Allentown, Pa. Clothes drier. 1,836,173; Dec. 15.
Jones, Robert R., Akron, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Sealing drying chambers and the like. 1,799,375; Apr. 7.
Jones, Robert R., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Mill roll cooling device. 1,819,988; Aug. 18.
Jones, Roland B. and C. F., Oregon, Ill. Sled coaster. Des. 83,902; Apr. 14.
Jones, Ruel A., assignor to R. A. Jones & Company, Inc., Covington, Ky. Soap press. 1,796,253; Mar. 10.
Jones, Ruel A., assignor to R. A. Jones & Company, Inc., Covington, Ky. Package assembling machine. 1,818,065; Aug. 11.
Jones, Rupert S., Flint, and S. Pearson, Coventry, assignors to Courtaulds Limited, London, England. Treatment of waste liquors. 1,834,845; Dec. 1.
Jones, Russell E., Lebanon, Pa. Steam boiler. 1,820,807; Aug. 25.
Jones, Russell G., Van Wert, Ohio. Hydraulic clutch. 1,819,606; Aug. 18.
Jones, S. M., Company, The. (See Dale, Dudley R., assignor.)
Jones, Schuyler, Wichita, Kans. Gauge for rakes. 1,789,980; Jan. 27.
Jones, Theodore A., New York, N. Y., and W. A. Phelps, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current-limiting device. 1,793,491; Feb. 24.
Jones, Theodore D., Los Angeles, Calif. Shaving mug. 1,813,702; July 7.
Jones, Thomas D., Perth Amboy, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Removal of tin from antimonial lead and alloy. 1,821,643; Sept. 1.
Jones, Thomas H., Woodthorpe, England. Circular-knitting machine. 1,789,002; Jan. 13.
Jones, Thomas H., Woodthorpe, England. Knitting machine. 1,808,232; June 2.
Jones, Thomas H., Woodthorpe, England. Circular knitting machine. 1,817,565; Aug. 4.
Jones, Thomas H., Woodthorpe, England. Circular knitting machine. 1,817,566; Aug. 4.
Jones, Thomas H., Woodthorpe, England. Production of ribbed knitted fabrics. 1,838,683; Dec. 29.
Jones, Thomas H., assignor of two-thirds to P. B. Culp, Roanoke, Va. Eraser holder. 1,812,701; June 30.
Jones, Virgil B., Hawarden, Iowa. Engine head. 1,787,628. Jan. 6.
Jones, W. Barlett, Chicago, Ill. Sound transmission. 1,817,489; Aug. 4.
Jones, Walter G., New York, N. Y. Pull toy. 1,801,312; Apr. 21.
Jones, Walter I. (See Niedecken, E. F., and Jones.)
Jones, Walter I., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener assembly. 1,805,462; May 12.
Jones, Walter I., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Rivet. 1,813,892; July 7.
Jones, Ward M., Detroit, Mich. Air conditioning apparatus. 1,838,684; Dec. 29.
Jones, Warren C., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound reproducer. 1,799,799; Apr. 7.
Jones, Warren C., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound reproducer. 1,812,634; June 30.
Jones, Warren C., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic device. 1,816,906; Aug. 4.
Jones, Warren C., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound reproducing system. 1,829,801; Nov. 3.
Jones, Wiley D., Jackson, Miss. Cheese cutter. 1,822,869; Sept. 8.
Jones, William A., West New Brighton, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler connection. 1,787,730; Jan. 6.
Jones, Willam A., West New Brighton, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat-transfer device. 1,796,944; Mar. 17.
Jones, William A., West New Brighton, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler door. 1,818,402; Aug. 11.
Jones, William A., West New Brighton, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Sectional boiler door. 1,819,467; Aug. 18.
Jones, William A., Westerleigh, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Header and support therefor. 1,804,780; May 12.
Jones, William C., Oakland, Calif. Finishing tool. 1,787,866; Jan. 6.
Jones, William E., jr. (See Arey, Fred R., and Jones, assignors.)
Jones, William H., Chicago, Ill. Fountain display and advertising device. 1,799,852; Apr. 7.
Jones, William M., jr., Rochester, N. Y. Television apparatus. 1,810,610; June 16.
Jones, William O., Marissa, assignor of one-half to Homer W. Presly, Swanwick, Ill. Carbon removing tool. 1,821,891; Sept. 1.
Jones, William R., Pittsburgh, assignor of one-third to U. U. Carr, Monongahela, and one-third to W. F. Nanstiel, Pittsburgh, Pa. Apparatus for transferring material. 1,823,148; Sept. 15.
Jones, William. (See Hardies, C. H., Jones, and Tunison.)
Jones, William T., Newtonville, Mass., assignor, by mesne assignments, to Barnes & Jones, Inc. Valve. 1,808,556; June 2.
Jones, William W., et al. (See Carol, James E., assignor.)
Jones, William W. (See Malvern, E. N., and Jones.)
Jones, Willis N., Salt Lake City, Utah. Safety valve. 1,837,970; Dec. 22.
Jones, Winfield S., Brea, Calif. Rotary spear. 1,815,376; July 21.
Jonghi, Tito R. (See Vaccari, Severino, assignor.)
Jonkergouw, Renier, Bry-on-the-Marne, and J. Demongeot, Lyon, France. Molding. 1,796,203; Mar. 10.
Jonke, Victor, Oakland, Calif. Extension shelf. 1,831,867; Nov. 17.

Jonkhoff, Henri W., Beckenham, England. Steering device for swiveling bogies of road vehicles. 1,838,837; Dec. 29.
Jonsson, Augustinus E., Lidingo, Sweden. Drying apparatus. 1,811,355; June 23.
Jonsson, Augustinus E., Lidingo, Sweden. Drying apparatus. 1,811,356; June 23.
Jontof, Rudolf, Hamburg, Germany. Curved mouthpiece for mouth organs. 1,806,689; May 26.
Joos, Bernard. (See Tisza, E. T., and Joos.)
Joosten, Hugo, Nordhausen, assignor of one-third to Tiefbau- und Kalteindustrie-Aktiengesellschaft vormals Gebhardt & Koenig, Nordhausen im Harz, and one-third to Siemens-Bauunion Gesellschaft mit beschränkter Haftung Kommanditgesellschaft, Berlin Siemensstadt, Germany. Solidifying permeable rock, loosely spread masses or building structures. 1,827,238; Oct. 13.
Jopp, August, Zella-Mehlis, Germany. Machine for grinding simultaneously two opposed surfaces of articles of prismatic or other shape especially nuts. 1,828,663; Oct. 20.
Jordahl, Anders. (See Strindberg, Richard, assignor.)
Jordahl, Anders, New York, N. Y., assignor to American Air Filter Company, Inc., Louisville, Ky. Filter apparatus. 1,816,854; Aug. 4.
Jordahl, Anders, New York, N. Y., assignor to American Air Filter Company, Inc., Louisville, Ky. Filter apparatus. 1,816,855; Aug. 4.
Jordahn, Gus, Palm Beach, Fla. Sea-shell whistle. 1,795,213; Mar. 3.
Jordan Amzie E., Beloit, Kans. Camp trailer. 1,826,136; Oct. 6.
Jordan, Andrew V., Asher, Okla. Jack. 1,810,425; June 16.
Jordan, C. F., Company. (See Protzeller, Harry W., assignor.)
Jordan, Charles J., assignor of one-fourth to R. G. Schaub, Woodbury, N. J. Method and apparatus for drawing, cutting, gripping and conveying sheet plate glass. 1,814,932; July 14.
Jordan, Clarence A., and C. C. Coon, Oakland, Calif. Pole unloader. 1,805,872; May 19.
Jordan, Connie B., Myrtlewood, Ala. Toy. 1,816,378; July 28.
Jordan, Frank W. (See White, A. F., and Jordan.)
Jordan, Franz, Wickede-on-the-Ruhr, Germany. Rolling out sheet and hoop or band iron. 1,792,377; Feb. 10.
Jordan, Grover I., Mason City, Iowa. Lamp. Des. 84,350; June 9.
Jordan, Hans. (See Byk, A., and Jordan.)
Jordan, Hans. (See Schoeller, W., and Jordan.)
Jordan, Hans. (See Schoeller, W., Jordan, and Clerc.)
Jordan, Hans. (See Schoeller, W., Jordan, Schwenk, and Borgwardt.)
Jordan, Hans, Berlin-Steglitz, assignor to the Firm Schering-Kahlbaum Aktiengesellschaft, Berlin, Germany. Producing menthol. 1,797,612; Mar. 24.
Jordan, Hans, Berlin-Steglitz, W. Schoeller, Berlin-Westend, and R. Clerc, Berlin, assignors to the Firm Schering-Kahlbaum Aktiengesellschaft, Berlin, Germany. Producing menthol and its isomers. 1,802,055; Apr. 21.
Jordan, Hans., Berlin-Steglitz, assignor to the Firm Schering-Kohlbaum Aktiengesellschaft, Berlin, Germany. Alkyl-isopropylene-phenols and making same. 1,816,286; July 28.
Jordan, Hans, Berlin-Steglitz, assignor to Schering-Kohlbaum Aktiengesellschaft, Berlin, Germany. Producing alkyl-isopropylene-phenols. 1,816,287; July 28.
Jordan, Henry, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Trisazo dyes and preparing the same. 1,788,797; Jan. 13.
Jordan, Henry, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing regenerated cellulose materials. 1,824,273; Sept. 22.
Jordan, Ira S., Pensacola, Fla. Fish bait or lure. 1,791,316; Feb. 3.
Jordan, Isaac N., assignor to Armour and Company, Chicago, Ill. Meat smoking hanger. 1,823,149; Sept. 15.
Jordan, James D., Elmhurst, assignor to Grigsby Grunow Company, Chicago, Ill. Radio apparatus. 1,805,626; May 19.
Jordan, James E. (See Thompson, W. G., and Jordan.)
Jordan, James K., Atlanta, Ga. Dental floss holder. 1,815,408; July 21.
Jordan, James R., South Bend, Ind. Conduit tractor. 1,829,143; Oct. 27.
Jordan, O. F., Company. (See Banton, Albert W., assignor.)
Jordan, O. F., Company. (See Greenabaum, Alexander L., assignor.)
Jordan, O. F., Company. (See Protzeller, Harry W., assignor.)
Jordan, O. F., Company. (See Tellis, Vsevolod G., assignor.)
Jordan, Ralph C., Columbus, Ga. Magazine feed for cone winders. 1,818,223; Aug. 11.
Jordan, Richard H., Springfield Mass., D. L. Hadley, Mansfield, Ohio, and D. R. Dohner, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Motor driven fan. Des. 84,521; June 30.
Jordan, Richard H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Lamination for dynamo-electric machines. 1,823,979; Sept. 22.
Jordan, Roscoe E. (See Spikes, Richard B., assignor.)
Jordan, Ryland B., Tyro, Va. Restraining device. 1,787,531; Jan. 6.
Jordan & Taylor, Inc. (See Gammack, W. A., and Knox, assignors.)
Jordan & Taylor, Inc. (See Makinster, Glenn E., assignor.)
Jordan & Taylor, Inc. (See White, Arthur F., assignor.)
Jordan & Taylor, Inc. (See White, A. F., and Jordan, assignors.)
Jordan, William M., Birmingham, Ala. Fishing lure. 1,797,234; Mar. 24.
Jordan, William M., Birmingham, Ala. Fish lure. 1,836,372; Dec. 15.
Jordan, William M., Birmingham, Ala., assignor to South Bend Bait Company, South Bend, Ind. Fishing lure. 1,833,581; Nov. 24.
Jordanoglou, Alex., Washington, D. C. Airplane. 1,797,347; Mar. 24.
Jordhoy, Hans C., North Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Cutting couple. 1,789,179; Jan. 13.
Jordhoy, Hans C., Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Reversible folder. 1,790,545; Jan. 27.
Jordhoy, Hans C., North Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Brake for paper guide rolls. 1,824,669; Sept. 22.
Jording, Christian H., assignor to The John W. Brown Mfg. Company, Columbus, Ohio. Electroplating machine. 1,793,551; Feb. 24.
Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pulling over machine. 1,821,162; Sept. 1.
Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,831,120; Nov. 10.
Jorgensen, Christian J., Dagmar, Mont. Tongs. 1,812,747; June 30.
Jorgensen, Frederick B., Oakland, Calif. Type holder for box printing presses. 1,801,507; Apr. 21.
Jorgensen, Hans C., Montreal, Quebec, Canada. Furnace. 1,814,391; July 14.
Jorgensen, Hans L., Chicago, Ill. Casing construction. 1,789,102; Jan. 13.
Jorgensen, Lars R., Berkeley, Calif. Arch dam. 1,805,986; May 19.
Jorgensen, Martin J., Frederiksberg by Copenhagen, Denmark. Exchangeable heel for boots and shoes. 1,832,463; Nov. 17.
Jorgensen, Olav E., Forest Hills, N. Y. Internal-combustion engine. 1,795,088; Mar. 3.
Jorgensen, Svend M., Elizabeth, N. J., assignor to The Superheater Company, New York, N. Y. Desuperheater. 1,788,160; Jan. 6.
Jorgensen, Svend M., Elizabeth, N. J., assignor to The Superheater Company, New York, N. Y. Direct contact desuperheater. 1,806,204; May 19.
Joriot, Camille, Lac-ou-Villers, France. Micrometer calipers. 1,818,853; Aug. 11.
Joriot, Camille, Lac-ou-Villers, France, assignor to the firm Fabriques des Montres Zenith successeurs de Fabriques des Montres Zenith Georges Favre-Jacot & Cie., Le Locle, Switzerland. Speed indicating and comparing device for vehicles. 1,794,078; Feb. 24.
Jorski, Anthony. (See Parker, Warren H., assignor.)
Jorss, Karl F., Washington, D. C., assignor to Crittall Casement Window Company, Detroit, Mich. Casement window. 1,813,806; July 7.
Josam Manufacturing Company, The. (See Hirshstein, Joseph, assignor.)
Joseph, Alexander, assignor to L. A. Joseph, Jacksonville, Fla. Animal trap. 1,827,019; Oct. 13.
Joseph, Alfred, Enghien, assignor to Compagnie Internationale pour la Fabrication des Essences et Petroles, Paris, France. Vaporization of heavy hydrocarbons. 1,806,997; May 26.
Joseph, Alfred, assignor to Societe Internationale Des Procedes Prudhomme Houdry, Paris, France. Process for the treatment of a metallic, organic or other compound, or a gas, by a gaseous agent serving to enter into reaction therewith. 1,807,534; May 26.
Joseph, Alfred, Enghien, assignor to Compagnie Internationale pour la Fabrication des Essences et Petroles, Paris, France. Process and apparatus for the purification of continuously flowing gases in the manufacture of liquid fuels. 1,815,846; July 21.
Joseph, Alfred, Enghein, assignor to Compagnie Internationale pour la Fabrication des Essences et Petroles, Paris, France. Carrier for catalysts and the like. 1,818,403; Aug. 11.
Joseph, Alfred, Enghein, Sein-et-Oise, assignor to Compagnie Internationale pour la Fabrication des Essences et Petroles, Paris, France. Regenerating contaminated purifying agents. 1,822,293; Sept. 8.
Joseph, Alfred, Engheln, assignor to Compagnie Internationale pour la Fabrication des Essences et Petrols, Paris, France. Apparatus for the treatment of gas or a mixture of gas and vapor in the presence of catalytic agents and for the reactivation of such agents. 1,828,146; Oct. 20.
Joseph, Alfred, Enghien, assignor to Compagnie Internationale pour la Fabrication des Essences et Petrolas, Paris, France. Regeneration of catalysts. 1,832,217; Nov. 17.

Joseph, Alfred, Enghien, assignor to Compagnie Internationale Pour la Fabrication Des Essences et Petroles, Paris France. Contact material for catalytic cracking and like operations. 1,837,971; Dec. 22.
Joseph, Edward L., Westminster, England. Filter for air and other gases. 1,806,400; May 19.
Joseph, Felix A., Hong Kong, China. Clutch mechanism. 1,801,008; Apr. 14.
Joseph, Felix A., Hampstead, London, England. Freewheel clutch. 1,804,014; May 5.
Joseph, Louis, Ashfield, New South Wales, Australia. Stuffed mattress. 1,791,725; Feb. 10.
Joseph, L. A. (See Joseph, Alexander, assignor.)
Joseph, Theodore, H., New York, N. Y. Lock. 1,813,240; July 7.
Josepho, Anatol M., New York, N. Y., assignor to Multipose Portable Cameras Limited, London, England. Photographic-film pack and developer holder therefor. 1,794,382; Mar. 3.
Josepho, Anatol M., New York, N. Y., assignor to Multipose Portable Cameras, Limited, London, England. Photographic camera. 1,820,168; Nov. 3.
Josephs, Henry, Bronx, assignor to H. D. Robles, Brooklyn, N. Y., and L. Woolman, Newark, N. J. Protector. 1,838,487; Dec. 29.
Josephs, Lyman C., jr., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Front drive power unit. 1,815,437; July 21.
Josephs, Lyman C., jr., and E. R. Gurney, Allentown, Pa., assignors to International Motor Company, New York, N. Y. Chain drive for motor vehicles. 1,815,438; July 21.
Josephs, Samuel, Elizabeth, N. J., assignor to The Stearns & Foster Company. Textile fabric. Des. 83,256; Feb. 10.
Josephs, Samuel, Elizabeth, N. J., assignor to The Stearns & Foster Company, Lockland, Ohio. Textile fabric. Des. 83,257; Feb. 10.
Josephson, Benjamin, New York, N. Y. Expanding envelope. 1,802,429; Apr. 28.
Josephson, Joseph. (See Born, Joseph, assignor.)
Josephson, Walter S., Brooklyn, N. Y., and T. B. Slate, Glendale, Calif.; said Josephson assignor, by mesne assignments, of his right to Dryice Equipment Corporation; said Slate assignor, of his right to American Patents Development Corporation, New York, N. Y. Refrigerating apparatus and method. 1,796,907; Mar. 17.
Joslin, Charles A. (See Ballou, H. M., and Joslin.)
Joslin, Charles A., North Attleboro, Mass. Spoon or like article. Des. 85,526; Nov. 10.
Joslin, Frank M., assignor to Inman Manufacturing Company, Inc., Amsterdam, N. Y. Machine for making boxes. 1,814,043; July 14.
Joslin, Frank M., Amsterdam, N. Y. Plunger for box-making machines. 1,835,401; Dec. 8.
Joslyn Mfg. & Supply Co. (See Smalley, Burton M., assignor.)
Joslyn, Paul L., San Francisco, Calif. Piston ring. 1,805,404; May 12.
Joslin, Pliny N., De Kalb, Ill. Skate. 1,830,514; Nov. 3.
Joslyn, Horace A. W., Piapot, Saskatchewan, Canada. Safety dimmer. 1,837,269; Dec. 22.
Jos-Pe Farbenphoto Gesellschaft mit beschrankter Haftung. (See Defregger, Robert F. P., assignor.)
Jost, Aloys, The Hague, Netherlands. Thermic container. 1,812,243; June 30.
Jost, Friedrich. (See Gross, O., and Jost.)
Jost, Stephan, assignor to the firm Farberei-& Oppretur Gesellschaft (vormals A. Blavel & Fritz Lindenmeyer). Basel, Switzerland. Treatment of silk. 1,823,606; Sept. 15.
Jostam Manufacturing Co. (See Ammann, Albert H., assignor.)
Jostes, Bernard J., St. Louis, Mo. Hand bag construction. 1,815,106; July 21.
Jourdain, Marie P. R., assignor to Societe Anonyme Freins Jourdain Monneret, Paris, France. Oil removing apparatus. 1,824,485; Sept. 22.
Jourdan, Louis M. A. (See Bonnaud, P., and Jourdan.)
Jouy, Jules, Epernay, France. System for recovering the energy of the movements of the sea. 1,818,066; Aug. 11.
Jovignot, Charles, Montrouge, France. Sealing containers and the like. 1,834,711; Dec. 1.
Jovignot, Charles, Montrouge, France. Sealing containers and the like. 1,834,712; Dec. 1.
Jowett, James H., New York, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Handle for ballast tampers. 1,832,811; Nov. 17.
Joy, Bertram C. (See Simms, F. R., and Joy.)
Joy, Charles H., sr. (See Sauer, Louis J., assignor.)
Joy, Joseph, New York, N. Y. Clutch. 1,835,652; Dec. 8.
Joy, Robert W., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Slack adjuster for railway brakes. 1,803,394; May 5.
Joy, Robert W., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Railway car brake. 1,827,474; Oct. 13.
Joyce, Bryan P., Davenport, Iowa. Packing. 1,814,704; July 14.
Joyce, Bryan P., Davenport, Iowa. Packing. 1,814,705; July 14.
Joyce, Bryan P., Davenport, Iowa. Packing. 1,835,877; Dec. 8.
Joyce, Bryan P., Dover, N. J. Fluid brake mechanism. 1,825,233; Sept. 29.
Joyce-Cridland Company, The. (See Dawley, James C., assignor.)
Joyce-Cridland Company, The. (See Hott, Ion V. K., assignor.)
Joyce, Harold L., assignor to Jas. P. Marsh & Company, Chicago, Ill. Radiator air vent. Des. 84,084; May 5.
Joyce, Harold L., East Orange, assignor to Tiffany Manufacturing Company, Newark, N. J. Wheel hub cap. 1,835,601; Dec. 8.
Joyce, Lyndon W., assignor to Joyce-Venning Manufacturing Co., Inc., Greensboro, N. C. Resilient metallic suspender loop. 1,804,259; May 5.
Joyce, Lyndon W., Greensboro, N. C. Overall suspender elastic. 1,820,072; Aug. 25.
Joyce, Lyndon W., assignor to Joyce-Venning Manufacturing Co., Inc., Greensboro, N. C. Manufacture of suspenders. 1,827,017; Oct. 13.
Joyce, Roy E., East Los Angeles, Calif. Pressure regulator. 1,798,377; Mar. 31.
Joyce-Venning Manufacturing Co. (See Joyce, Lyndon W., assignor.)
Joyner, George O., St. Louis, Mo. Spring motor. 1,833,838; Nov. 24.
Jubilee Manufacturing Company. (See Gillet, Alexis F., assignor.)
Judd, Carroll E. (See Bryan, Everett, assignor.)
Judd, H. L., Company. (See Toelle, Walter H., assignor.)
Judd, H. L., Company. (See Ulbrich, Frank, assignor.)
Judd, Irving H., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Sweeper attachment for tractors and the like. 1,791,564; Feb. 10.
Judd, Irving H., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Transporting vehicles and the like. 1,812,097; June 30.
Judd, Irving H., Detroit, assignor to Whitehead and Kales Company, River Rouge, Mich. Apparatus for making wheel spiders. 1,812,959; July 7.
Judd, Nelson H., and G. Siegrist, Norfolk, Va. Day and night vizor. 1,789,552; Jan. 20.
Judd, Percival L., Lakewood, E. B. Atkinson, Bay Village, and R. A. Anderson, Lakewood, Ohio. Switch box holder. 1,820,309; Aug. 25.
Judell, Julius S., Shorewood, assignor to Milwaukee Flush Valve Company, Milwaukee, Wis. Strainer. 1,811,852; June 30.
Judell, Lester M. W., et al. (See Slattery, John I., assignor.)
Judelson, Albert H. (See Judelson, Julius, and A. H.)
Judelson Dryer Corporation. (See Judelson, Julius, assignor.)
Judelson, Julius, New York, N. Y., assignor to Judelson Dryer Corporation, Moundsville, W. Va. Drier. 1,821,097; Sept. 1.
Judelson, Julius, and A. H. Judelson, New York, N. Y. Drier. 1,830,323; Nov. 3.
Judelson, Louis, New York, N. Y. Winding drum for wall driers. 1,815,737; July 21.
Judelson, Louis, New York, N. Y. Drier bracket. 1,833,022; Nov. 24.
Judge, Franklin, assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Threading die. 1,803,192; Apr. 28.
Judisch, Robert F., Canton, Ohio, assignor to The Hoover Company. Commutator assembling process. 1,831,534; Nov. 10.
Judsen Rubber Works. (See Goldstone, Leroy, assignor.)
Judson, Ross W., assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion motor. 1,791,133; Feb. 3.
Judson, Ross W., assignor to Continental Motors Corporation, Detroit, Mich. Vibration damper. 1,825,402; Sept. 29.
Judson, Russell V., Detroit, Mich. Material-handling roll. 1,798,741; Mar. 31.
Judt, Joseph, Chicago, Ill. Saw filing machine. 1,817,082; Aug. 4.
Judy, Frank B., Cynthiana, Ky. Adjustable tail holder. 1,810,832; June 16.
Judy, Frank B., Cynthiana, Ky. Adjustable tail holder. 1,810,833; June 16.
Juelson, Edwin, Chicago, Ill. Pump. 1,818,259; Aug. 11.
Juengst, Fred W., and O. M. Anderson, assignors to Landers, Frary & Clark, New Britain, Conn. Safety device for centrifugal driers. 1,828,227; Oct. 20.
Juergens, James S., Morgantown, W. Va. Generator regulator. 1,817,378; Aug. 4.
Juergens, John, assignor, by mesne assignments, to Benjamin Electric Manufacturing Company, Chicago, Ill. Socket. 1,818,333; Aug. 11.
Juergens, Winfred H., Cleveland, assignor to The Euclid Crane & Hoist Company, Euclid, Ohio. Load brake for hoists. 1,821,838; Sept. 1.
Juers, John H., Passaic, N. J., assignor to Triplex Safety Glass Company of North America, New York, N. Y. Apparatus for spraying glass, etc. 1,831,535; Nov. 10.
Juers, John H., Passaic, N. J., assignor to Triplex Safety Glass Company of North America, New York, N. Y. Apparatus for spraying glass, etc. 1,835,402; Dec. 8.
Juett, W. B., et al. (See Dootson, Norman L., assignor.)
Juhl, Chris E., Osage, Iowa. Syringe. 1,831,668; Nov. 10.

Juhl, Fred W., deceased, Minneapolis, Minn.; T. J. Juhl, administratrix. Saw-setting machine. 1,794,695; Mar. 3.
Juhl, Teckla J., administratrix. (See Juhl, Fred W.)
Juliá, José, Barcelona, Spain. Twisting machine. 1,808,415; June 2.
Julian, Antone W. (See Sager, Lee R., assignor.)
Julien, Antone W., et al. (See Sager, Lee R., assignor.)
Julien, Louis F., assignor to Chamberlin Metal Weatherstrip Company, Detroit, Mich. Weather stripping. 1,806,018; May 19.
Julstedt, Clas J. (See Youngdahl, F. E., and Julstedt.)
Jump, George H., Buffalo, N. Y., assignor to General Electric Company. Control system. 1,814,810; July 14.
Juneau, Armand, Montreal, Quebec, Canada. Speed responsive device. 1,823,830; Sept. 15.
Juneau, Armand, Montreal, Quebec, Canada. Axle drive mechanism. 1,824,670; Sept. 22.
Jung, Albert, Plainfield, N. J. Skate. 1,823,942; Sept. 22.
Jung Arch Brace Company, The. (See Jung, George H., jr., assignor.)
Jung, George H., jr., assignor to The Jung Arch Brace Company, Cincinnati, Ohio. Arch brace structure. 1,834,457; Dec. 1.
Jung, Karl, Berlin, Germany. Adjustment device, particularly for the cross-slides of grinding machines. 1,813,165; July 7.
Jung, Karl, Berlin, Germany. Interior grinding machine for grinding out bores accurately. 1,822,222; Sept. 8.
Jung, Karl, Berlin, Germany. Device for surfacing grindstones. 1,827,659; Oct. 13.
Jung, Oscar H., Milwaukee, Wis. Fuse clamp. 1,838,406; Dec. 29.
Jungblut, Ferdinand, Mannheim, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Machine drive control. 1,825,403; Sept. 29.
Jungers, John, assignor to Jungers Stove and Range Company, Grafton, Wis. Oven. 1,830,063; Nov. 3.
Jungers Stove and Range Company. (See Jungers, John, assignor.)
Junghans, Helmut, Schramberg, Germany. Locking device for shafts of clockworks. 1,788,110; Jan. 6.
Junghans, Helmut, Schramberg, Germany. Locking mechanism. 1,799,017; Mar. 31.
Junghans, Siegfried, Villingen, Germany. Casting apparatus. 1,801,922; Apr. 21.
Jungk, Herbert G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bandwire clip. 1,823,607; Sept. 15.
Jungmann, Karl, Aussig, and O. Kolbert, Nestomitz, Czechoslovakia. Production of solid alcoholic iodine solutions in pencil form as a substitute for tincture of iodine. 1,806,260; May 19.
Junken, Lawrence H., Schenectady, and D. K. Blake, Scotia, N. Y., assignors to General Electric Company. Control and protective system. 1,830,703; Nov. 3.
Junkers, Adolf H., Rheydt, Germany. Apparatus for drying yarn. 1,820,621; Aug. 25.
Junkers, Hugo. (See Becker, Emil, assignor.)
Junkers, Hugo. (See Zindel, Ernst, assignor.)
Junkers, Hugo, Dessau, Germany. Directional controlling means for aircraft. 1,788,836; Jan. 13.
Junkers, Hugo, Dessau, Germany. Engine. 1,796,603; Mar. 17.
Junkers, Hugo, Dessau, Germany. Riveting device. 1,802,719; Apr. 28.
Junkers, Hugo, Dessau, Germany. Valve. 1,802,720; Apr. 28.
Junkers, Hugo, Dessau, Germany. Plane for aircraft. 1,802,721; Apr. 28.
Junkers, Hugo, Dessau, Germany. Tool for upsetting or stretching sheet metal. 1,809,168; June 9.
Junkers, Hugo, Dessau, Germany. Construction of engine cylinders. 1,818,558; Aug. 11.
Junkers, Hugo, Dessau, Germany. Metal casing. 1,822,036; Sept. 8.
Junkers, Hugo, Dessau, Germany. Heating stove. 1,825,735; Oct. 6.
Junkers, Hugo, Dessau, Germany. Joint. 1,831,416; Nov. 10.
Junkunc, John, Chicago, Ill. Spare-tire lock. 1,800,943; Apr. 14.
Junkunc, Stephen, Oak Park, Ill. Casket handle. 1,796,373; Mar. 17.
Junor, John B. (See Decker, S. K., Johnson, Davis, and Junor.)
Jupp, William B. (See Masury, A. F., Jupp, and Anderson.)
Jupp, William B., and R. G. Anderson, Plainfield, N. J., assignors to International Motor Company, New York, N. Y. Mounting and cooling construction for driving units of locomotives. 1,803,853; May 5.
Jupp, William B., assignor to International Motor Company, New York, N. Y. Exciter differential field control. 1,822,150; Sept. 8.
Jupp, William B., New York, N. Y., and F. E. Queeney, Teaneck, N. J., assignors to International Motor Company, New York, N. Y. Manual control of electric transmissions for gas electric drives. 1,829,222; Oct. 27.
Jupp, William B., New York, N. Y., and F. E. Queeney, Teaneck, N. J., assignors to International Motor Company, New York, N. Y. Generator control for battery charging. 1,834,280; Dec. 1.
Jurgielewicz, Leopold, Pasadena, Calif. Safety watch-pocket protector. 1,838,407; Dec. 29.
Jurkovich, Conrad, assignor of one-half to P. Hibler, Joliet, Ill. Suspension device. 1,793,405; Feb. 17.
Juron, Bernard J., Chicago, Ill. Truss construction. 1,832,780; Nov. 17.
Jurs, Albert E. (See Marchant, R. H., and Jurs.)
Jury, Alfred E., assignor to Winnsboro Mills, Winnsboro, S. C. Separator for spinning machine twisters. 1,833,023; Nov. 24.
Just, Alexander, Budapest, Hungary, assignor to General Electric Company. Thermionic cathode. 1,794,298; Feb. 24.
Justrite Manufacturing Company. (See Raster, Walther, assignor.)
Justus, Theodore S., Chicago, Ill. Hair curler. 1,793,699; Feb. 24.
Juthe, Kristian A., Newton, and A. J. Hanson, Arlington, assignors to American Electric Furnace Company, Boston, Mass. Apparatus for supplying heated oil. 1,829,186; Oct. 27.
Jyumi, Motogo, Oakland, Calif. Lamp. 1,788,058; Jan. 6.
K-D Lamp Co., The. (See Phillips, Charles C., assignor.)
K-W Ignition Corporation, The. (See Eiseman, Robert J., assignor.)
Kaake, Elmer. (See Genshaw, M., and Kaake.)
Kabele, Clarence, Schenectady, N. Y. Vacuum circuit breaker. 1,819,420; Aug. 18.
Kabins, Max, assignor of forty per cent to R. R. Simon, Chicago, Ill. Garment form. 1,838,262; Dec. 29.
Kabitzke, John W., Chicago, Ill. Internal combustion engine. 1,823,903; Sept. 22.
Kabushiki Kaisha Azumi Daiyakuho. (See Horiguchi, Chuji, assignor.)
Kačer, Filip. (See Lüttringhaus, A., Eifflaender, and Kačer.)
Kachline, John F., Reading, Pa. Adjustable guide for box-covering machines. 1,800,219; Apr. 14.
Kachline, Morris Y., Bangor, Pa. Method and means for application of paradichloro-benzene to fruit trees. 1,812,535; June 30.
Kacser, Felix, Berlin, Germany, assignor to General Electric Company. Electrical control means. 1,834,786; Dec. 1.
Kadane, Fred A., Dallas, Tex. Poultry dressing cabinet. 1,821,972; Sept. 8.
Kade, Eugen. (See Bauer, K., and Kade.)
Kadel, Byers W., Baltimore, Md. Car-door arrangement. 1,790,307; Jan. 27.
Kadel, Byers W., Baltimore, Md. Car-door mechanism. 1,790,308; Jan. 27.
Kadel, Byers W., Baltimore, Md. Hopper-car doorlock. 1,796,933; Mar. 17.
Kadel, Byers W., Baltimore, Md. Car door mechanism. 1,803,474; May 5.
Kadel, Byers W., Baltimore, Md. Railway car. 1,810,611; June 16.
Kadel, Byers W., Baltimore, Md. Geared hand brake. 1,831,008; Nov. 10.
Kadel, Byers W., Baltimore, Md. Car door mechanism. 1,831,305; Nov. 10.
Kadel, Byers W., Baltimore, Md., assignor to The Gould Coupler Company, New York, N. Y. Truck. 1,788,874; Jan. 13.
Kadel, Byers W., Baltimore, Md., and D. S. Barrows, Rochester, N. Y. Truck for railway rolling stock. Re18,266; Nov. 24.
Kadel, Byers W., and P. R. Drenning, Baltimore, Md., assignors to The Symington Company, New York, N. Y. Draft rigging. 1,825,696; Oct. 6.
Ka Dell, Harold W., Lakewood, Ohio, assignor to National Carbon Company, Inc. Electrical filtering system. 1,821,016; Sept. 1.
Kaden, Max, New Britain, Conn. Toothbrush and tumbler rack. 1,805,366; May 12.
Kader, Wilhelm, Warth, near Hennef-on-the-Sieg, assignor to the firm of Hennefer Maschinenfabrik C. Reuther & Reisert mit beschrankter Haftung, Hennef-on-the-Sieg, Germany. Material receptacle for automatic weighing machines. 1,794,299; Feb. 24.
Kadesch, William H., Cedar Falls, Iowa. Dish washer and drier. 1,836,373; Dec. 15.
Kadlec, Edward S., New York, N. Y. Automatic advertising display book. 1,837,663; Dec. 22.
Kadow, August, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Apparatus for forming hollow glassware. 1,792,988; Feb. 17.
Kadow, August, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass furnace. 1,815,258; July 21.
Kadow, August, assignor to The Vacuum Casting Company, Toledo, Ohio. Making metal articles. 1,825,958; Oct. 6.
Kadow, August, and T. A. Bragg, assignors to Owens-Illinois Glass Company, Toledo, Ohio. Machine for forming hollow glassware. 1,832,810; Nov. 17.
Kadow, August, and D. C. Smith, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Parallel resurfacing. 1,838,553; Dec. 29.
Kadow Foundation, Inc. (See Ducey, Alfred M., assignor.)
Kadow Foundation Inc. (See Smith, David C., assignor.)
Kadunc, Andrew, et al. (See Gralinski, Joseph, assignor.)
Kaefer, Martin H., assignor to Western Clock Company, Peru, Ill. Clock case. Des. 85,099; Sept. 15.
Kaefer, Martin H., La Salle, assignor to Western Clock Company, Peru, Ill. Electric clock driving mechanism. 1,802,056; Apr. 21.

Kaefer, Martin H., assignor to Western Clock Company, Peru, Ill. Producing winding keys. 1,823,547; Sept. 15.
Kaegebehn, Charles F., Hoboken, N. J., assignor to R. T. Vanderbilt Co., Inc., New York, N. Y. Soap manufacture. 1,820,744; Aug. 25.
Kaehler, Hans. (See Wietzel, R., Speer, and Kaehler.)
Kaehni, Frank J. (See Kaehni, William L. and F. J.)
Kaehni, William L. and F. J., Cleveland, Ohio. Electrical cannon. 1,837,550; Dec. 22.
Kaemmerer, Hans. (See Krzikalla, H., and Kaemmerer.)
Kaemmerling, Gustav H., Allentown, Pa., assignor, by mesne assignments, to Fuller Lehigh Company. Apparatus for burning fuel. 1,816,434; July 28.
Kaempfe, Paul Richard, Dresden, Germany. Safety razor. 1,797,150; Mar. 17.
Kaempfer, Wilhelm. (See Nagel, O., and Kaempfer.)
Kafka, Frederick P., New Rochelle, N. Y., assignor to Box Form Corporation. Fireproofing molds. 1,838,768; Dec. 29.
Kafka, Heinz. (See Schanze, E., and Kafka.)
Kagan, Dorothy. (See Abbens, Sidney M., assignor.)
Kagan, Jacob J., Los Angeles, Calif. Ring. Des. 83,621; Mar. 10.
Kagan, Jacob J., Los Angeles, Calif. Ring. Des. 83,859; Apr. 7.
Kagan, Jacob J., Los Angeles, Calif. Finger ring. Des. 85,653; Dec. 1.
Kägi, Emil, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Internal combustion engine. 1,805,698; May 19.
Kägi, Emil, assignor to the Firm Sulzer Frerès Société Anonyme, Winterthur, Switzerland. Power transmission mechanism. 1,836,757; Dec. 15.
Kahl, John, St. Louis, Mo. Amusement car. 1,789,140; Jan. 13.
Kahl, John, Kansas City, Mo. Truck for amusement cars. 1,838,227; Dec. 29.
Kahl, William E., Weehawken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier repeating system. 1,836,804; Dec. 15.
Kahler, Paul F., and S. S. Wicker, Chicago, Ill. Missile projecting device. 1,809,708; June 9.
Kahler, Paul F., and S. S. Wicker, Chicago, Ill. Missile projecting device. 1,816,679; July 28.
Kahlhofer, Heinz, Vienna, Austria. Hot air hair waving device. 1,828,664; Oct. 20.
Kahlisch, Gustav. (See Reiners, W., and Kahlisch.)
Kahlow, Arthur, Mayville, and W. H. Markham, Horicon, Wis. Pneumatic tire. 1,788,059; Jan. 6.
Kahn, Barton, Tulsa, Okla. Water closet. 1,835,497; Dec. 8.
Kahn, Benjamin, Bronx County, assignor to Novocol Chemical Mfg. Co. Inc., Brooklyn, N. Y. Hypodermic syringe and the like. 1,834,713; Dec. 1.
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Heater. Des. 84,940; Aug. 25.
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Heater. Des. 84,941; Aug. 25.
Kahn, David, Woodcliff, N. J. Fountain pen. Des. 84,146; May 12.
Kahn, Eleanor, assignor to Associated Merchandising Corporation, New York, N. Y. Dress. Des. 85,876; Dec. 29.
Kahn, Frank J., New York, N. Y. Laundry ironer. 1,824,435; Sept. 22.
Kahn, Julius, assignor to Truscon Steel Company, Youngstown, Ohio. Window structure. 1,816,537; July 28.
Kahn, Julius, and H. E. White, assignors to Truscon Steel Company, Youngstown, Ohio. Lath structure. 1,824,274; Sept. 22.
Kahn, Leo M., New York, N. Y. Folding device. 1,819,028; Aug. 18.
Kahn, Sol H. (See Koncitik, Charles, assignor.)
Kahn, Theodor, Berlin-Charlottenburg, Germany. Talking machine recorder. 1,813,166; July 7.
Kahn, Theodore, assignor of one-half to J. J. Fels, Los Angeles, Calif. Key case. 1,838,554; Dec. 29.
Kahr, Martin, Franklin, Pa. Internal-combustion engine. 1,788,576; Jan. 13.
Kahrmann, Robert C., Elizabeth, N. J., assignor to Aktinson Fenlon Co., Inc., New York, N. Y. Textile fabric or the like. Des. 85,754; Dec. 15.
Kai, Louis H., assignor to Shakespeare Products Company, Kalamazoo, Mich. Control device. 1,837,220; Dec. 22.
Kaier, Richard. (See Willard, C. T., and Kaier.)
Kail, Charles E., assignor to A & J Manufacturing Company, Binghamton, N. Y. Egg beater. 1,828,932; Oct. 27.
Kail, Charles E., assignor to A & J Manufacturing Company, Binghamton, N. Y. Providing articles with one or more colored bands or stripes. 1,830,662; Nov. 3.
Kailimai, Henry, Detroit, Mich. Steel for stringed musical instruments. 1,837,270; Dec. 22.
Kainer, Frederick C., Park Ridge, Ill. Split screw coupling. 1,811,200; June 23.
Kaiser, Alvain F. O., Bellingham, Wash. Dual ball pulley. 1,790,752; Feb. 3.
Kaiser, Edward J. (See Hamlin, C. M., and Kaiser.)
Kaiser, Ernest, assignor to Frigid Fluid Company, Chicago, Ill. Aspirating and embalming device. 1,829,144; Oct. 27.
Kaiser, Joseph, Augusta, Wis. Miner's tool. 1,802,515; Apr. 28.
Kaiser, Lawrence, assignor of one-half to O. C. Piper, Milwaukee, Wis. Propeller for aircraft. 1,795,863; Mar. 10.
Kaiser, Ludwig. (See Lichtenberger, T., and Kaiser.)
Kaiser, Richard C., New Rochelle, N. Y. Building. Des. 84,085; May 5.
Kaiser, Webster L. (See Lee, H. S., and Kaiser.)
Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Plug. 1,813,167; July 7.
Kaizer, Phyllis C., Beverly Hills, Calif. Thumb sucking preventive. 1,823,904; Sept. 22.
Kakimoto, Moritatsu, Half Moon Bay, Calif. Hose guide. 1,831,306; Nov. 10.
Kalamazoo Vegetable Parchment Company. (See Francoise, Edward C., assignor.)
Kalbach, Morgan D., Silver Spring, Md. Table desk. 1,829,449; Oct. 27.
Kalbach, Raymond B., Philadelphia, Pa. Machine for making rugs, coverings, and the like. 1,832,636; Nov. 17.
Kalebdjian, Setrak K., Syracuse, N. Y. Nonskidding device. 1,802,653; Apr. 28.
Kalgren, John E., assignor to J. R. Clark Company, Minneapolis, Minn. Board end matching and sawing machine. 1,803,020; Apr. 28.
Kalgren, John E., assignor to The J. R. Clark Co., Minneapolis, Minn. Machine for making paper covered ironing boards. 1,806,205; May 19.
Kali-Chemie Aktiengesellschaft. (See Gerngross, O., and Rülke, assignors.)
Kali-Chemie, Aktiengesellschaft. (See Rusberg, Friedrich, assignor.)
Käli-Chemie Aktiengesellschaft. (See Rüsberg, F., and Schmid, assignors.)
Kali Manufacturing Co. (See Wall, Eugene W., assignor.)
Kalischer, Georg, Frankfort-on-the-Main, and R. Fleischhauer, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Mono-oxamic acids of 4.4'-diaminodiarylcyclo-hexane compounds. 1,789,903; Jan. 20.
Kalischer, Georg, Frankfort-on-the-Main, and F. Frister, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Chlorinated product of the benzene series and process of making same. 1,796,108; Mar. 10.
Kalischer, Georg, and H. Scheyer, Frankfort-on-the-Main, and K. Keller, Mainkur, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Introducing an aldehydic group into cyclic compounds. 1,807,693; June 2.
Kalischer, Georg, Frankfort-on-the-Main, and R. Fleischhauer, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New azo dyestuffs and making same. 1,810,277; June 16.
Kalischer, Georg, Frankfort-on-the-Main, and E. H. Harold, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid wool dyestuffs of the anthraquinone series and making the same. 1,820,023; Aug. 25.
Kalischer, Georg, and O. Bayer, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone oxazole series. 1,822,972; Sept. 15.
Kalischer, Georg, Frankfort-on-the-Main, and W. Lange, Dessau-Ziebigk in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Compounds having an affinity for cotton and being diazotizable on the fiber. 1,823,743; Sept. 15.
Kalischer, Georg, Frankfort-on-the-Main, and C. Schultis, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works Inc., New York, N. Y. New azodyestuffs and making same. 1,823,943; Sept. 22.
Kalischer, Georg, Frankfort-on-the-Main, and F. Biehler, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of acid and lime resisting derivatives of unsaturated fatty acids. 1,832,218; Nov. 17.
Kalischer, Georg, Frankfort-on-the-Main, and W. Zerweck, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New intermediates and making same. 1,833,290; Nov. 24.
Kalischer, Georg, Frankfort-on-the-Main, and R. Gast, Frankfort-on-the-Main-Mainkur, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New basic azodyestuffs and making same. 1,833,839; Nov. 24.
Kalischer, Georg, and O. Bayer, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New vegetable effect-threads and making same. 1,835,403; Dec. 8.
Kalischer, Georg, Frankfort-on-the-Main, F. Günther, Ludwigshafen-on-the-Rhine, K. Keller, Frankfort-on-the-Main, and J. Hetzer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulphonating by means of gaseous sulphuric acid anhydride. 1,835,404; Dec. 8.
Kalischer, Georg, and H. Scheyer, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. New carboxylic acids of the fatty-aromatic series and making same. 1,836,123; Dec. 15.
Kalischer, Milton. (See Sellick, H. K., and Kalischer.)
Kalischer, Milton. (See Terry, M. C., Kalischer, and Buckley.)

Kalischer, Milton, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Refrigerating apparatus. 1,813,168; July 7.
Kalk, Albert C. (See Page, C. B., and Kalk.)
Kalk, Albert C., Chicago, Ill., assignor to Invincible Laundry Equipment Company. Control for reversing mechanism. 1,799,560; Apr. 7.
Kalkanis, James N., Detroit, Mich. Holder for hams or the like. 1,823,608; Sept. 15.
Kalla, Franz, Lagiewniki, Gorny Slask, Szyb Carnall, Poland. Device for mining coal and the like. 1,808,307; June 2.
Kallander, Ernest L., assignor to Dennison Manufacturing Company, Framingham, Mass. Gauging thickness of surface coating. 1,815,915; July 28.
Kalle & Co., Aktiengesellschaft. (See Krieger, W., and Zahn, assignors.)
Kalle & Co. Aktiengesellschaft. (See Schmidt, M. P., and Hessert, assignors.)
Kalle & Co., Aktiengesellschaft. (See Schmidt, M. P., Neugebauer, and Franke, assignors.)
Kalle & Co., Aktiengesellschaft. (See Schmidt, M. P., and Spietschka, assignors.)
Kalle & Co. Aktiengesellschaft. (See Sprongerts, Eduard, assignor.)
Kalle & Co., Aktiengesellschaft. (See Spröngerts, E., Schmidt, and Franke, assignors.)
Kalle & Co., Aktiengesellschaft. (See Voss, J., and Spietschka, assignors.)
Källe, Torsten, Saffle, Sweden. Process and apparatus for automatically regulating or indicating the concentration of materials suspended in liquids. 1,789,386; Jan. 20.
Kallmeyer, Theophilus, Willowbrook, Calif. Boiler feed regulator. 1,817,379; Aug. 4.
Kalloch, Parker C., jr., Great Neck, N. Y. Manufacture of heat-exchange apparatus. 1,787,942; Jan. 6.
Kalman Steel Co. (See Dale, George E., assignor.)
Kalman Steel Company. (See Kessler, Harry A., assignor.)
Kalman Steel Company. (See White, W. E., and Monjar, assignors.)
Kalman Steel Company. (See White, William E., assignor.)
Kalnitz, Joseph, Buffalo, N. Y. Folding box. 1,829,005; Oct. 27.
Kaltenbach, Alois, and R. Voight, Potsdam, Germany. Cutting machine with revolving knife. 1,796,463; Mar. 17.
Kaltenbrunn, Anna, St. Nazianz, Wis. Conveyer. 1,821,714; Sept. 1.
Kalthoff, Max, Glenbrook, Conn. Door closer. 1,803,258; Apr. 28.
Kaltman, D., & Co. Inc. (See Cohon, Benjamin J., assignor.)
Kamada, Rinpei, Yokohama, Japan, assignor to General Electric Company. Fluid operated prime mover dynamo-electric plant. 1,825,526; Sept. 29.
Kambo, Luigi, Rome, Italy. Variable speed gear. 1,815,475; July 21.
Kamenstein, Meyer, Brooklyn, N. Y. Step-can. 1,837,221; Dec. 22.
Kamerer, Amos S., Mount Lebanon, assignor to A. M. Byers Company, Pittsburgh, Pa. Apparatus for and method of handling skelp. 1,797,348; Mar. 24.
Kamin, Samuel, assignor to Neon Products, Inc., Lima, Ohio. Neon optical sign. Des. 84,086; May 5.
Kaminski, John, Pasadena, assignor to R. G. Wheeler and J. A. Newlee, Alhambra, Calif. Tool for stretching brake linings. 1,801,510; Apr. 21.
Kaminski, Joseph J., and J. McHall, Jersey City, N. J. Window screen. 1,800,080; Apr. 7.
Kaminsky, Sarah. (See Levy, H. B., and Kaminsky.)
Kamman, William H., St. Paul, Minn. Portable bath house. 1,828,147; Oct. 20.
Kammerer, Clemens, New York, N. Y. Combined purse mirror and pouch. Des. 85,242; Sept. 29.
Kämmerer, Hans. (See Holzach, K., Kämmerer, and Müller.)
Kämmerer, Hans, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo dyestuff containing chromium and making. 1,801,745; Apr. 21.
Kämmerer, Hans, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuffs containing chromium and process of making. 1,813,879; July 7.
Kampas, William, Des Moines, Iowa. Shade roller. 1,807,535; May 26.
Kamper, Andrew M., Carlton, Victoria, Australia. Automatic change speed gear. 1,837,908; Dec. 22.
Kamper, Peter, Flint, Mich. Rotary valve. 1,791,414; Feb. 3.
Kämpf, Adolf, Premnitz/Westhavelland, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for making bands of artificial fibres. 1,803,475; May 5.
Kampfman, Charles, East Hartford, Conn. Cigarette package. 1,806,905; May 26.
Kamphausen, Carl C., Ferndale, assignor to Ford Motor Company, Dearborn, Mich. Burring machine. 1,816,225; July 28.
Kampman, Frederick H., Detroit, Mich. Auto pedal locking device. 1,802,114; Apr. 21.
Kampmeyer, Frederick E., sr., assignor of one-third to M. Frick, Sibley, Iowa. Automatic exchanger for mail. 1,822,658; Sept. 8.
Kampstad, Clarence L. (See Kampstad, Henry O. and C. L.)
Kampstad, Henry O. and C. L., Lengby, Minn. Wiper for oil-gauge rods. 1,795,606; Mar. 10.
Kamradt, Leon A. (See Johnson, Erik W., assignor.)
Kamrath, Albert, St. Louis, Mo. Foot warmer. 1,808,233; June 2.
Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Oil-rectifying device. 1,792,843; Feb. 17.
Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Crankcase ventilation. 1,806,543; May 19.
Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Air cleaner. 1,808,170; June 2.
Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Crankcase ventilation. 1,815,623; July 21.
Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Air cleaner. 1,829,401; Oct. 27.
Kanabay, E. Joseph, assignor to Leon Benoit, Chicago, Ill. Egg case filler machine. 1,812,486; June 30.
Kanabay, E. Joseph, assignor to Leon Benoit, Chicago, Ill. Egg carton filler machine. 1,830,064; Nov. 3.
Kanclerz, Sigmund, Maspeth, N. Y. Foldable chair. 1,789,468; Jan. 20.
Kandle, Frank R., Yakima, Wash. Food chopper. 1,788,875; Jan. 13.
Kandle, Furman M., Atlantic City, N. J. Collapsible form for ceiling and floor construction. 1,830,606; Nov. 3.
Kandt, Rudolf. (See Wieczorek, Emanuel, assignor.)
Kane, Edward A., Erie, Pa., assignor to Williams Tool Corporation, Erie, Pa. Threading die and holder. 1,794,963; Mar. 3.
Kane, George A., South Orange, and J. E. McCafferty, Newark, N. J. Bottle carrier. 1,828,416; Oct. 20.
Kane, John C., and W. Weiss, Detroit, Mich. Radiator ornament. 1,814,314; July 14.
Kane, Joseph P., Pittsburgh, Pa., deceased; M. C. Kane, administratrix. Railway rail splice bar and joint. 1,839,183; Dec. 29.
Kane Manufacturing Company. (See Ward, Lawrence T., assignor.)
Kane, Mary C., administratrix. (See Kane, Joseph, P.)
Kane, Raymond R. (See Millray, Joseph, assignor.)
Kane, Thomas H., assignor to Truscon Steel Company, Youngstown, Ohio. Concrete structure. 1,794,409; Mar. 3.
Kane, Thomas H., assignor to Truscon Steel Company, Youngstown, Ohio. Wire welding machine. 1,811,585; June 23.
Kangus, Toivo M., Mitchell, S. Dak. Mail bag portable truck. 1,830,434; Nov. 3.
Kania, Rudolph, assignor of fifty per cent to A. Urayasz, Bowers Hill, Va. Sanitary cooking vessel. 1,828,806; Oct. 27.
Kanné, Alexander R., Brooklyn, N. Y. Electric plug member. Des. 85,100; Sept. 15.
Kannel, Charles, Brooklyn, N. Y. Tanning sole leather. 1,789,629; Jan. 20.
Kannen, George P., Berwyn, Ill. Dividing stone for gardens or lawns. 1,813,055; July 7.
Kannenberg, William, Milwaukee, Wis. Hood lock for automobiles. 1,839,035; Dec. 29.
Kannenstine, Fabian M., Bloomfield, N. J., assignor to Geophysical Research Corporation, New York, N. Y. Pressure recording gauge. 1,837,222; Dec. 22.
Kanner, Samuel, Long Island City, N. Y. Coupling means for electric armored cable. 1,796,846; Mar. 17.
Kanofsky, Morris, assignor to J. Stein, Chicago, Ill. Floral basket. Des. 85,047; Sept. 8.
Kanolt, Clarence W., New York, N. Y. Registering device. 1,822,489; Sept. 8.
Kanolt, Clarence W., New York, N. Y. Method and apparatus for registering negatives with printing surfaces. 1,838,312; Dec. 29.
Kanowitz, Lena, New York, N. Y. Dress hanger. 1,793,322; Feb. 17.
Kanowitz, Lena, New York, N. Y. Garment hanger. 1,799,690; Apr. 7
Kansas City Millwright Company. (See Gravatt, Earl, assignor.)
Kansas City Structural Steel Company. (See Glass, Clifton A., assignor.)
Kantenwein, Oscar E., Oak Park, Ill., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Dump car. 1,829,560; Oct. 27.
Kanter, Edward, Cleveland Heights, Ohio. Vending machine casing. Des. 85,243; Sept. 29.
Kanter, Edward, Cleveland Heights, Ohio. Dispensing machine casing. Des. 85,288; Oct. 6.
Kanter, Edward, Cleveland Heights, Ohio. Dispensing apparatus. Des. 85,289; Oct. 6.
Kantor, Abraham, Paris, France. Powder box. 1,831,600; Nov. 10.
Kantor, James, assignor, by mesne assignments, to the Liquid Carbonic Corporation, Chicago, Ill. Bottle washing machine. 1,802,722; Apr. 28.
Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Sirup valve for bottle fillers. 1,809,813; June 9.

Kantor, James, and C. H. Miller, assignors to The Liquid Carbonic Corporation, Chicago, Ill. Pressure regulator for filling mechanisms. 1,834,245; Dec. 1.
Kantorowicz, Julius, Breslau, Germany. Increasing the strength and resistibility against moisture of high molecular carbohydrates. 1,816,973; Aug. 4.
Kapella Limited. (See Warmisham, Arthur, assignor.)
Kapeluchnikoff, Mathieu A., Baku, Russia. Boring appliance. 1,817,986; Aug. 11.
Kaplan, Arthur W., and H. F. Hauser, assignors to Ace Humidifying Ventilating and Sheet Metal Works, Minneapolis, Minn. Humidifying-radiator unit. 1,829,520; Oct. 27.
Kaplan Furniture Company. (See Kaplan, Isaac, assignor.)
Kaplan, Harry, New York, N. Y. Embossing panels. 1,800,799; Apr. 14.
Kaplan, Harry E., and B. L. Bouer, Chicago, Ill. Automobile top. 1,835,405; Dec. 8.
Kaplan, Isaac, Brookline, Mass., assignor to Kaplan Furniture Company, Cambridge, Mass. Radio panel or similar article. Des. 85,582; Nov. 17.
Kaplan, Julius. (See Bauer, Charles G., assignor.)
Kaplan, Louis J., assignor, by mesne assignments, to The Kitchen Katch-All Corporation, Greenwich, Ohio. Kitchen utensil. 1,804,623; May 12.
Kaplan, Max. (See Kline, M., and Kaplan.)
Kaplan, Philip, and J. Kohn, Kokomo, Ind. Adjustable heel clamp for shoemakers. 1,827,152; Oct. 13.
Kaplan, Victor, Brunn, Austria. Hydraulic turbine. 1,822,778; Sept. 8.
Kapolkin, Herman, New York, N. Y. Roller shopping bag. 1,822,893; Sept. 15.
Kapp, George, Port Chester, and J. T. Dillon, Bedford, assignors to Dilcap Corporation, Port Chester, N. Y. License-plate clamp. 1,797,091; Mar. 17.
Kapp, Leonard B., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Pump. 1,825,318; Sept. 29.
Kappel, Martin, Beverly Place, Wilmington, assignor to S. N. Levy, Wilmington, Del. Forming star drills. 1,788,463; Jan. 13.
Kappeler, Jean. (See Zehnder, A., and Kappeler.)
Kappenberg, August, Bayside, New York, N. Y., assignor, by mesne assignments, to Automatic Lighter Corporation, Stamford, Conn. Cigarette dispensing and lighting container. 1,823,609; Sept. 15.
Kapperman, Henry F., Bassett, Nebr. Brake mechanism. 1,828,568; Oct. 20.
Kappler, Carl F., assignor to S. Friedberger, Philadelphia, Pa. Machine for making fabric. 1,803,476; May 5.
Käppler, Paul, Dresden, Germany. Key-action device for typewriting machines. 1,791,074; Feb. 3.
Käppler, Paul, Dresden, Germany. Connection between typewriting and like machines and a baseboard. 1,792,428; Feb. 10.
Käppler, Paul, Dresden, Germany. Parallelogram type pantograph. 1,811,940; June 30.
Käppler, Paul, Dresden, Germany. Brake device or coupling. 1,834,624; Dec. 1.
Kappner, Max, Cincinnati, Ohio. Arch support adjuster. 1,825,460; Sept. 29.
Kaptuller, Alexander F. (See Nixon, Moses C., and Kaptuller.)
Karapetoff, Vladimir, Ithaca, N. Y., assignor to General Electric Company. Polyphase intersheath cable. 1,822,737; Sept. 8.
Karapetoff, Vladimir, Ithaca, N. Y., assignor to General Electric Company. Polyphase intersheath cable. 1,822,738; Sept. 8.
Karberg, Peter K., assignor to H. B. Glover Company, Dubuque, Iowa. Garment. 1,812,593; June 30.
Karberg, Peter K., assignor to H. B. Glover Company, Dubuque, Iowa. Garment. 1,825,271; Sept. 29.
Karcevsk, John, Chicago, Ill. Work receiver for automatic screw machines. 1,788,240; Jan. 6.
Karcher, Otto, Canton, Ohio. Lawn trimmer. 1,794,178; Feb. 24.
Kardad, Inc. (See Weintraub, Harry H., assignor.)
Kardos, Emanuel, San Francisco, Calif. Detinning. 1,798,607; Mar. 31.
Karelitz, George B., Wilkinsburg, Pa. Vibrometer. 1,817,567; Aug. 4.
Karfiol, Edward, Brooklyn, N. Y. Shelf paper. Des. 83,541; Mar. 3.
Karfiol, Edward, Brooklyn, N. Y. Doily. Des. 83,542; Mar. 3.
Karfiol, Edward, Brooklyn, N. Y. Doily. Des. 83,543; Mar. 3.
Karfiol, Edward, Brooklyn, N. Y. Doily. Des. 83,544; Mar. 3.
Karfiol, Edward, Brooklyn, N. Y. Doily. Des. 83,545; Mar. 3.
Karfiol, Edward, Brooklyn, N. Y. Doily. Des. 83,546; Mar. 3.
Karfiol, Edward, Brooklyn, N. Y. Doily. Des. 84,039; Apr. 28.
Karfiol, Edward, Brooklyn, N. Y. Doily. Des. 84,418; June 16.
Karfiol, Edward, Brooklyn, N. Y. Doily. Des. 84,749; July 28.
Karfiol, Edward, Brooklyn, N. Y. Doily. Des. 84,989; Sept. 1.
Karfiol, Edward, Brooklyn, N. Y. Doily. Des. 85,185; Sept. 22.
Karich, Rudolf R. (See Gluck, J., and Karich.)
Karich, Rudolf R., Jamaica, assignor to Ebco Machine Corporation, New York, N. Y. Comb for tobacco feeders. 1,837,717; Dec. 22.
Kari-Keen Manufacturing Company. (See Spery, Philmore F., assignor.)
Kari-Keen Manufacturing Company. (See Wilson, William W., assignor.)
Karitzky, John. (See Pleister, H. W., and Karitzky.)
Karitzky, John, assignor to H. B. Newhall Corporation, Garwood, N. J. Spring toggle. 1,829,357; Oct. 27.
Karius, Karl, Achern-in-Baden, Germany. Rolling metals and apparatus therefor. 1,804,879; May 12.
Karl, George E., assignor to The Dunham Company, Berea, Ohio. Rotary hoe. Des. 83,811; Mar. 31.
Karl, Heinrich, Jersey City, N. J. Combined track gauge control device and train stopping device. 1,817,380; Aug. 4.
Karl, Heinrich, Jersey City, N. J. Reciprocatory internal combustion engine. 1,837,620. Dec. 22.
Karl, Heinrich, Jersey City, N. J. Sanitary preserving can or container. 1,837,621; Dec. 22.
Karl, Rath. (See Hahnemann, W., and Rath.)
Karlebo, Karl B., Stockholm, Sweden. Dimming device for headlights for automobiles and the like. 1,834,542; Dec. 1.
Karlson, Alfred F., North Leominster, assignor to Parks-Cramer Company, Boston, Mass. Method and apparatus for humidifying and cooling the air of inclosures. 1,810,915; June 23.
Karlson, Georg E., Stockholm, Sweden. Shoe, boot, and the like. 1,814,514; July 14.
Karlson, George W. (See Karlson, Karl L. and G. W.)
Karlson, Karl L. and G. W., Kendrick, Idaho. Thrashing machine. 1,791,673; Feb. 10.
Karlsson, Oscar V., Detroit, Mich. Micrometer construction. 1,817,516; Aug. 4.
Karmann, George, Stanton, Nebr. Draft equalizer. 1,830,111; Nov. 3.
Karmazin, John. Detroit, Mich. Radiator construction. 1,799,691; Apr. 7.
Karmazin, John, Detroit, Mich. Header construction. 1,810,215; June 16.
Karmelkorn Corporation. (See Monk, Howard H., assignor.)
Karnasch, Leopold M., San Francisco, Calif. Translucent edge for instruments. 1,800,452; Apr. 14.
Karnath, Kurt, Zweibrucken, Germany. Stop valve. 1,790,009; Jan. 27.
Karnes, James C., Buffalo, N. Y. Omniscope. 1,797,867; Mar. 24.
Karnes, James C., Buffalo, N. Y. Elevation-indicating device for ordnance of the howitzer type. 1,800,009; Apr. 14.
Karnes, James C., Buffalo, N. Y. Antiaircraft sight. 1,803,939; May 5.
Karnes, James C., Buffalo, N. Y. Registering indices of fire control systems. 1,804,992; May 12.
Karnes, James C., Buffalo, N. Y. Acoustic chamber. 1,812,878; July 7.
Karnes, James C., Buffalo, N. Y. Acoustic chamber. 1,812,879; July 7.
Karnes, James C., Buffalo, N. Y., and G. J. Kessenich, Madison, Wis. Apparatus for training in gunnery. 1,803,064; Apr. 28.
Karnes, James C., Buffalo, N. Y., and G. J. Kessenich, Madison, Wis. Camera mounting. 1,824,085; Sept. 22.
Karnopp, Mattie, Kansas City, Mo. Lady's combination undergarment. 1,834,846; Dec. 1.
Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America. Synchronizing system. 1,802,470; Apr. 28.
Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America. Mirror disk for television systems. 1,830,231; Nov. 3.
Karolus, August, Leipzig, and F. Schröter, assignors to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Photo-electric cell. 1,791,928; Feb. 10.
Karon Golf Table Corporation. (See Stewart, Richard W., assignor.)
Karp, Henry J., Faribault, Minn. Pencil printing device. 1,831,868; Nov. 17.
Karpati, Nandor. (See Lality, G., and Karpati.)
Karpen, S., & Bros. (See Hultgren, Charles R., assignor.)
Karpen, S., & Bros. (See Lofman, Charles, assignor.)
Karpf, Simon, and H. Roman, New York, N. Y. Lady's garment. 1,837,551; Dec. 22.
Karplus, Eduard, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Wireless signaling apparatus. 1,811,357; June 23.
Karpov, Alexander V., Pittsburgh, Pa. Turbine case. 1,813,404; July 7.
Karr, Francis, Holland, Mich. Spring cushion. 1,798,885; Mar. 31.
Karraker, Arney J. (See Dodge, F. V., and Wykert, assignor.)
Karrer, Enoch, Cleveland Heights, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Weighing device. 1,798,538; Mar. 31.
Karrer, Enoch, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Steering wheel. 1,823,980; Sept. 22.

Karrer, Hans, assignor to firm Maschinenfabrik Benninger, A. G., Uzwil, Switzerland. Machine for treating webs of fabrics in the open state. 1,814,706; July 14.
Karrer, Paul, Zurich, assignor to Heberlein & Co., A. G., Wattwil, Switzerland. Treatment of cellulose for changing its activity toward dyestuffs. 1,836,254; Dec. 15.
Karrer, Paul, Zurich, and W. Wehrli, Binningen, near Basel, assignors to the Firm of Chemical Works, formerly Sandoz, Basel, Switzerland. Treatment of cotton and artificial silk. 1,824,671; Sept. 22.
Karrh, John H. (See Jenkins, R. L., Karrh, and McCullough.)
Karrick, Lewis C., Salt Lake City, Utah. Process and apparatus for superheating steam. 1,832,219; Nov. 17.
Karrick, Lewis C., Salt Lake City, Utah, and D. Gould, Boulder, Col. Leaching and treating apparatus. 1,835,878; Dec. 8.
Karron, David, Brooklyn, N. Y. Machine for making frame parts for hand bags. 1,790,506; Jan. 27.
Karron, David, Brooklyn, N. Y. Ornamental trim for hand bags and similar articles. 1,829,145; Oct. 27.
Karst, Oliver J. (See Caldwell, J. B., and Karst.)
Karst, Paul F. (See Hoffman, H., and Karst.)
Karsten, Peter, Dusseldorf, assignor to Rheinische Metallwaaren-und Maschinenfabrik Sommerda Aktiengesellschaft, Sommerda, Germany. Wheel brake. 1,810,354; June 16.
Kartvelichvili, Alexander, and E. Chagniard, assignors to Chagnkart International Aviation Corporation, New York, N. Y. Aeroplane construction. 1,833,649; Nov. 24.
Kary, Samuel E. (See Dietz, H. M., and Kary.)
Kasanof, David R. (See Klein, S., and Kasanof.)
Kasarda, John. (See Danko, J. M., and Kasarda.)
Kasarinoff, Valerian, New York, assignor to L. Marsalle, Brooklyn, N. Y. Device to prevent pitching and rolling of ship cabins, etc. 1,792,745; Feb. 17.
Kasch, Henry J., Dayton, Ohio. Housed indicator dial. 1,819,099; Aug. 18.
Kasch, Henry J., assignor to The Kurz-Kasch Company, Dayton, Ohio. Molding articles produced from plastic materials. 1,811,086; June 23.
Kasdan, Nathan, New York, N. Y. Fastening means. 1,835,162; Dec. 8.
Kaselitz, Oscar, Berlin, Germany. Producing potassium phosphate. 1,805,873; May 19.
Kaselitz, Oscar, and F. Pohle, Berlin, Germany. Mixed fertilizer. 1,833,680; Nov. 24.
Kaser, Everett D., assignor to Durabilt Steel Locker Co., Aurora, Ill. Locker. 1,791,134; Feb. 3.
Kaser, Walter I., Clark Township, Holmes County, assignor of one-half to J. F. Glidden, Lakewood, Ohio. Plier cover remover. 1,810,315; June 16.
Kashian, Minas H., Boston, assignor of one-fourth to W. H. Sellars, East Milton, Mass. Latch. 1,804,382; May 5.
Kasik, Charles, Reedpoint, Mont. Gate apparatus. 1,818,224; Aug. 11.
Kasley, Alexander T., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Feed-water heater. 1,790,154; Jan. 27.
Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vibration meter. 1,797,235; Mar. 24.
Kasley, Alexander T., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fuel oil distributor. 1,830,839; Nov. 10.
Kasper, Walter F., assignor to Fairmont Railway Motors, Inc., Fairmont, Minn. Wheel. 1,789,003; Jan. 13.
Kass, Julius, New York, N. Y. Portable display stand. 1,828,555; Oct. 20.
Kass, Samuel M., Philadelphia, Pa. Pipe joint. 1,794,905; Mar. 3.
Kasser Egg Process Co. (See Kasser, Morris, assignor.)
Kasser, Morris, assignor to Kasser Egg Process Co., San Francisco, Calif. Egg loader and unloader machine. 1,798,608; Mar. 31.
Kassler, Adolf, New York, N. Y. Match stand. 1,819,645; Aug. 18.
Kast, Edward R., Pearl River, assignor to Dexter Folder Company, New York, N. Y. Binding books or magazines. 1,793,552; Feb. 24.
Kast, Edward R., Pearl River, assignor to Dexter Folder Company, New York, N. Y. Sheet-collating apparatus. 1,793,553; Feb. 24.
Kast, Edward R., Pearl River, assignor to Dexter Folder Company, New York, N. Y. Signature handling machine. 1,829,833; Nov. 3.
Kast, Edward R., Pearl River, assignor to Dexter Folder Company, New York, N. Y. Signature assembling and stitching machine. 1,831,497; Nov. 10.
Kaster Specialty Manufacturing Company. (See Stark, Louis, assignor.)
Kateb, George, New York, N. Y. Woven silk fabric or similar article. Des. 84,480; June 23.
Kateb, George, New York, N. Y. Textile fabric or similar article. Des. 85,101; Sept. 15.
Kastlic, Joseph. (See Curzon, John S., assignor.)
Kastner, Eleanor J. Glen Ridge, N. J., assignor to L. E. Waterman Company, New York, N. Y. Receptacle for desk sets. Des. 83,109; Jan. 20.
Kastner, Richard. (See Danninger, A., Schmolka, and Kastner.)
Kastner, Richard, Steyrermuhl, Austria. Metallic cloth for paper-making machines. 1,794,624; Mar. 3.
Katches, Inc. (See Fitzgerald, William H. J., assignor.)
Kater, Gustav, New York, N. Y. Electric bread toaster. 1,820,745; Aug. 25.
Kath, Alfred W., assignor to Arthur Colton Company, Detroit, Mich. Tube seal. 1,821,017; Sept. 1.
Kathner, Arthur T., Hollidays Cove, W. Va. Disk or wheel for conveyers. 1,791,166; Feb. 3.
Katuner, Arthur T., Pittsburgh, Pa. Heat treating metal. 1,810,612; June 16.
Kathner, Arthur T., Pittsburgh, Pa. Open annealing sheet metal. 1,817,152; Aug. 4.
Kathner, Arthur T., New Cumberland, W. Va. Furnace conveyer. 1,818,806; Aug. 11.
Katrinak, Raymond, Bridgeport, Conn. Pocketbook compact. 1,809,517; June 9.
Katterjohn, August H., assignor to Gardner-Denver Company, Denver, Colo. Controlling means for drills. 1,796,995; Mar. 17.
Katterjohn, August H., assignor to Gardner-Denver Company, Denver, Colo. Chuck for rock drills. 1,800,390; Apr. 14.
Katterjohn, August H., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Spring handle for drifting drills. 1,834,714; Dec. 1.
Kattmann, Robert F., Houston, Tex. Tent. 1,813,703; July 7.
Kattrein, William J., and F. W. Becker, assignors to Watervliet Tool Co., Inc., Albany, N. Y. Helical bladed reamer. 1,809,975; June 16.
Kattwinkel, Hans, Coswig, Germany. Manufacture of friction bodies for brake and clutch purposes. 1,813,576; July 7.
Kattwinkel, Hans, Coswig, Germany. Brake covering and the like and manufacturing the same. 1,836,174; Dec. 15.
Katz, Alexander S., Brooklyn, N. Y. Hinge or similar article. Des. 85,477; Nov. 3.
Katz, Harry, assignor to Moses Wertheimer, Philadelphia, Pa. Child's garment. 1,812,791; June 30.
Katz, Herman, Oakland, Calif. Ophthalmic mounting. 1,823,150; Sept. 15.
Katz, Martin, Brooklyn, N. Y. Window glass mounting. 1,833,364; Nov. 24.
Katz, Max Z. and S. Hartford, Conn. Splasher plate for vehicle bumpers. 1,813,624; July 7.
Katz & Ogush, Inc. (See Ogush, Ben, assignor.)
Katz, Samuel. (See Katz, Max Z., and S.)
Katzfey, Bernard, George West, Tex. Stalk cutter. 1,836,666; Dec. 15.
Katzinger, Edward, assignor to Edward Katzinger Company, Chicago, Ill. Making multiple baking pans. 1,789,981; Jan. 27.
Katzinger, Edward, Company. (See Jackson, Joseph G., assignor.)
Katzinger, Edward, Company. (See Katzinger, Edward, assignor.)
Katzman, Aaron, and L. Katzman, Brooklyn, N. Y. Mirror door. 1,829,521; Oct. 27.
Katzman, Louis. (See Katzman, Aaron and L.)
Katzman, Max, Utica, N. Y. Electric humidifier. 1,802,654; Apr. 28.
Katzman, Samuel, Brooklyn, N. Y. Laundry receptacle. 1,810,563; June 16.
Kaufels, Otto. (See Voigtländer, H., and Kaufels.)
Kauffels, Otto. (See Voigtländer, H., and Kaufels.)
Kauffman, Albert J., Hollywood, Calif. Advertising exhibiter. 1,811,720; June 23.
Kauffman, Edmund J. (See Ramage, W. H., and Kauffman.)
Kauffman, Frank I. (See Van Amburgh, C. L., and Russell, assignor.)
Kauffman, Lester S., assignor to American Stove Company, St. Louis, Mo. Flue-gas deflector for ranges. Des. 83,712; Mar. 17.
Kauffman, Lester S., Richmond Heights, assignor to American Stove Company, St. Louis, Mo. Gas range construction. 1,828,665; Oct. 20.
Kauffman, Lester S., assignor to American Stove Company, St. Louis, Mo. Oven flue outlet. 1,828,666; Oct. 20.
Kauffman, Paul R., assignor to McCleary Hydraulic Brake Company, Seattle, Wash. Hydraulic brake. 1,837,446; Dec. 22.
Kauffman, Walter L., 2d, Youngstown, Ohio, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. Des. 84,503; June 23.
Kauffman, Walter L., 2d, Youngstown, Ohio, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. Des. 84,504; June 23.
Kauffmann, Ferdinand E., Rahway, N. J. Machine for surfacing hat bodies. 1,809,709; June 9.
Kauffmann, George, jr., Washington, N. J. Illuminating means for gauge glasses. 1,788,198; Jan. 6.
Kaufler, Felix. (See Halbig, P., and Kaufler.)
Kaufler, Felix. (See Halbig, P., Kaufler, and Schmitz.)
Kaufler, Felix, and H. G. Stangler, assignors to Alexander Wacker Gesellschaft fur Electrochemische Industrie, Munich, Germany. Alcoholate and making same. 1,793,935; Feb. 24.
Kaufman, Addison E., Chicago, Ill. Transfer holder. 1,794,625; Mar. 3.
Kaufman, Carl, New York, N. Y. Book end or similar article. Des. 83,812; Mar. 31.
Kaufman, Charles, Garfield Heights, Ohio. Making screws and bolts. 1,803,803; May 5.
Kaufman, Chris. (See Kaufman, John T. and C.)

Kaufman, Harry G., New York, N. Y. Finger ring. Des. 83,258; Feb. 10.
Kaufman, Jacob M., assignor to American Show Case & Mfg. Co., Detroit, Mich. Corner support for glass rims. 1,818,404; Aug. 11.
Kaufman, Jacob M., assignor to American Show Case & Mfg. Co., Detroit, Mich. Corner joint. 1,824,900; Sept. 29.
Kaufman, Jacob M., assignor to American Show Case & Mfg. Co., Detroit, Mich. Foot for show cases and cabinets. 1,834,313; Dec. 1.
Kaufman, John T., Marion, and C. Kaufman, Yankton, S. Dak. Stringed musical instrument. 1,809,710; June 9.
Kaufman, Joseph, assignor to American Safety Razor Corporation, New York, N. Y. Razor-blade-retaining element. 1,799,517; Apr. 7.
Kaufman, Morris J., Juneau, Alaska. Treating and protecting corns. 1,806,998; May 26.
Kaufman, Tobias J., Chicago, Ill. Waste and overflow fitting. 1,807,117; May 26.
Kaufman, Wolff, Paterson, N. J., assignor to S. E. Darby, jr., Scarsdale, N. Y. Radio circuit. 1,799,169; Apr. 7.
Kaufmann, Ary, South Orange, N. J. Trimmed bag-frame band. Des. 85,527; Nov. 10.
Kaufmann Department Stores, Inc. (See Crumpton, Kenneth R., assignor.)
Kaufmann, Frank J., Tribes Hills, N. Y. Sewing machine. 1,802,430; Apr. 28.
Kaufmann, Hans P., Jena, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Introducing sulphocyanic groups in organic compounds. 1,790,097; Jan. 27.
Kaufmann, John, Chicago, Ill. Hair clipper. 1,799,907; Apr. 7.
Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle frame. 1,821,647; Sept. 1.
Kaufmann, Solomon. (See Sulger, J. F., and Kaufmann.)
Kaumagraph Company. (See Lawrence, Winthrop S., assignor.)
Kaumagraph Company. (See Porges, George M., assignor.)
Kauper, Benjamin, New York, N. Y. Safety device for gas stoves. 1,798,539; Mar. 31.
Kaupke, Lee H., assignor to The Rock Island Plow Company, Rock Island, Ill. Two-row cultivator. 1,823,548; Sept. 15.
Kausal, Joseph B., Chicago, Ill. Wall light. 1,821,062; Sept. 1.
Kautsky, Hans. (See Pfannenstiel, A., and Kautsky.)
Kautz, Jacob, Chicago, Ill. Overalls. 1,827,585; Oct. 13.
Kautzky, Joe, jr., Fort Dodge, Iowa. Free-spool fishing reel. 1,829,006; Oct. 27.
Kautzky, Joseph, sr., Fort Dodge, Iowa. Single trigger mechanism. 1,829,958; Nov. 3.
Kautzman, John W. (See Kautzman, J. W., and Parker, assignors.)
Kautzman, John W., East Orange, and J. H. Parker, Newark, N. J., assignors to John W. Kautzman, trading as Sander Mfg. Co. Feeding device for meat choppers and the like. 1,821,344; Sept. 1.
Kavanagh, Burnett, New York, N. Y. Ventilator. 1,826,353; Oct. 6.
Kavanagh, James F., Cliffside, N. J., assignor to The Superheater Company, New York, N. Y. Hanger. 1,794,519; Mar. 3.
Kavanagh, James F., Cliffside, N. J., assignor to The Superheater Company, New York, N. Y. Steam generator. 1,829,863; Nov. 3.
Kavanagh, James W., Wellington, New Zealand. Bricklaying machine. 1,833,582; Nov. 24.
Kavanagh, Michael J., Gloversville, N. Y., assignors of one-third to F. A. Moore, Gloversville, N. Y., and one-third to Ole Strand, New York, N. Y. Street lighting waste receptacle. 1,816,974; Aug. 4.
Kavenagh, William E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Shoe sole. Des. 85,700; Dec. 8.
Kavenagh, William E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Shoe sole. Des. 85,701; Dec. 8.
Kavle, Oscar C., Syracuse, N. Y. Lathe chuck. 1,802,655; Apr. 28.
Kavle, Oscar C., Syracuse, N. Y. Stamping machine. 1,825,069; Sept. 29.
Kavur, Mike, Ambridge, Pa. Toy. Des. 83,860; Apr. 7.
Kawalle, William E., Manitowoc, Wis. Spring wheel. 1,828,322; Oct. 20.
Kawamura, Kichizo. (See Nagai, S., and Kawamura.)
Kawasaki, Utakichi, San Francisco, Calif. Packing box. 1,789,075; Jan. 13.
Kawneer Company, The. (See Ames, Warren C., assignor.)
Kawneer Company, The. (See Asmus, William, assignor.)
Kawneer Company, The. (See Plym, Francis J., assignor.)
Kay-Brunner Steel Products Inc. (See Kay, Lloyd D., assignor.)
Kay County Gas Company. (See Porter, Frank, assignor.)
Kay, Edgar B., deceased, Washington, D. C.; F. M. Kay executrix. Furnace. 1,817,459; Aug. 4.
Kay, Florence M., executrix. (See Kay, Edgar B.)
Kay, John G., and L. C. Scheuring, assignors to Ainsworth Manufacturing Corporation, Detroit, Mich. Cutting off machine. 1,830,876; Nov. 10.
Kay and Lee Limited. (See Jackson, Ernest A., assignor.)
Kay, Lloyd D., Los Angeles, Calif. Truck wheel. 1,800,734; Apr. 14.
Kay, Lloyd D., Los Angeles, Calif. Truck wheel. 1,828,500; Oct. 20.
Kay, Lloyd D., Los Angeles, Calif., assignor to Kay-Brunner Steel Products Inc. Dual tired truck wheel. 1,835,949; Dec. 8.
Kay, Lloyd D., Los Angeles, Calif., assignor to Kay-Brunner Steel Products Inc. Hub construction for truck wheels. 1,835,950; Dec. 8.
Kay, Oscar J., Los Angeles, Calif. Valve actuating mechanism. 1,814,045; July 14.
Kay, Oscar J., assignor to General Water Heater Corporation, Los Angeles, Calif. Water heater. Des. 83,681; Mar. 17.
Kayatt, Phillip J., Yonkers, N. Y., assignor to American Neon Light Corporation, New York, N. Y. Insulator. 1,825,319; Sept. 29.
Kaybar Burner Corporation. (See Kerrihard, G. M. and M. L., assignors.)
Kaye, Samuel, deceased, Columbus, Miss., by Glascock Brothers Mfg. Co., Muncie, Ind., assignee. Cooler for bottled goods. Re18,291; Dec. 15.
Kayes, Augustus E. (See Merica, P. D., and Kayes.)
Kayko, Charles J., assignor, by mesne assignments, to The Sparks-Withington Company, Jackson, Mich. Vacuum tube. 1,838,488; Dec. 29.
Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 1,807,243; May 26.
Kaymo Electric Speed Boat Corporation. (See Grier, Kenneth M., assignor.)
Kaynee Company, The. (See Amsden, Nelson E., assignor.)
Kays, Harvey W., assignor to Electraply Laboratories Incorporated, Philadelphia, Pa. Electromassaging pulsating machine. 1,789,758 Jan. 20.
Kayser, August, Fort Wayne, Ind., assignor to General Electric Company. Winding machine for dynamo-electric machines. 1,798,980; Mar. 31.
Kayser, August, Fort Wayne, Ind., assignor to General Electric Company. Dynamo electric machine. 1,812,748; June 30.
Kayser, Bruno, Reading, Pa. Fabric of crepe thread and making same. 1,825,071; Sept. 29.
Kayser, Friedrich, and K. Schranz, Elberfeld, near Cologne-on-the-Rhine, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Isolation of water-soluble anthraquinone glucosides from drugs containing the same. 1,796,109; Mar. 10.
Kayser, William J., Little Rock, Ark. Radio receiving set. 1,825,070; Sept. 29.
Kazenmaier, August, assignor to Robert Bosch, Aktiengesellschaft, Stuttgart, Germany. Brake mechanism. 1,827,849; Oct. 20.
Kazenmaier, August, and A. Strauss, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Brake mechanism. 1,818,334; Aug. 11.
Kazlawski, Anton. (See Glanschnig, Ignatz, assignor.)
Kean, Otho V., Providence, R. I. Scrubber. 1,794,854; Mar. 3.
Keane, Arthur F., Syracuse, assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Distillation system. 1,803,671; May 5.
Kearfott Engineering Company. (See Kraemer, W. L., and Garabrant, assignors.)
Kearney, Edward J. (See Armitage, J. B., Kearney, Graves, and Nenninger.)
Kearney, Edward J. (See Parsons, F. A., Armitage, and Kearney.)
Kearney, Edward J., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Slide-actuating mechanism. Re17,933; Jan. 20.
Kearney, Edward J., Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine. 1,835,782; Dec. 8.
Kearney, Edward J., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Fluid circulating system for machine tools. 1,838,555; Dec. 29.
Kearney, Edward J., Wauwatosa, and J. B. Armitage, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool. 1,812,702; June 30.
Kearney, Edward J., Wauwatosa, and R. S. Condon, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Rate change device. 1,817,036; Aug. 4.
Kearney, Edward J., and J. B. Armitage, Wauwatosa, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool. 1,817,083; Aug. 4.
Kearney, Edward J., and J. B. Armitage, Wauwatosa, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool. 1,832,487; Nov. 17.
Kearney, James R., Corporation. (See Bash, Thomas B., assignor.)
Kearney, James R., Corporation. (See Bay, Charles A., assignor.)
Kearney, James R., Kansas City, Mo. Insulator coupling. 1,800,643; Apr. 14.
Kearney, Philip S., Oxford, N. C. Rural-mail-box support. 1,794,713; Mar. 3.

Kearney & Trecker Corporation. (See Andrew, William K., assignor.)
Kearney & Trecker Corporation. (See Andrew, W. K., and Butzin, assignors.)
Kearney & Trecker Corporation. (See Armitage, Joseph B., assignor.)
Kearney & Trecker Corporation. (See Bachmann, Alwin B., assignor.)
Kearney & Trecker Corporation. (See Kearney, Edward J., assignor.)
Kearney & Trecker Corporation. (See Kearney, E. J., and Armitage, assignors.)
Kearney & Trecker Corporation. (See Kearney, E. J., and Condon, assignors.)
Kearney & Trecker Corporation. (See Parsons, Fred A., assignor.)
Kearney-Trecker Corporation. (See Parsons, F. A., Armitage, and Kearney, assignors.)
Kearney, William F., New Orleans, La. Device for propelling baby carriages. 1,797,092; Mar. 17.
Kearns, John, et al. (See Best, A. E., and Zook, assignors.)
Kearns, Thomas E., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Movable contact member for electric switches. 1,837,163; Dec. 15.
Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Diaphragm for loud speakers. 1,818,854; Aug. 11.
Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Time delay apparatus. 1,819,999; Aug. 18.
Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Time switch. 1,820,808; Aug. 25.
Keasbey & Mattison Company. (See Brown, John H., assignor.)
Keasler, Joel H., Brooklyn, N. Y. Violin attachment. 1,824,901; Sept. 29.
Keates, Albert E., South Porcupine, Ontario, Canada. Traction clamp. 1,792,911; Feb. 17.
Keating, Arthur E., and J. A. Anderson, assignors to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Hatchet, hammer, or similar tool. 1,830,663; Nov. 3.
Keating, Charles E., assignor of one-half to G. E. Golding, Indianapolis, Ind. Ore roasting furnace. 1,827,526; Oct. 13.
Keating, Maurice, assignor to Neon Arrowlite, Inc., Salt Lake City, Utah. Automobile direction signaling light. Des. 85,478; Nov. 3.
Keating, Maurice H. (See Johnson, C., and Keating.)
Keats, John L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Enamel. 1,816,330; July 28.
Kebler, Leonard, Bronxville, N. Y., assignor to Ward Leonard Electric Company. Resistance unit. 1,800,688; Apr. 14.
Kebola, Joseph, Hartford, Conn. Padlock. 1,836,667; Dec. 15.
Keck, George S., Pasadena, Calif., assignor to Pilot Ray Corporation, Wilmington, Del. Dirigible headlight. 1,788,917; Jan. 13.
Keck, Joseph J., and E. E. Kelley, Parsons, Kans. Lateral eliminator. 1,811,721; June 23.
Keddy, Clifford L., Lynn, Mass. Roundabout. 1,800,836; Apr. 14.
Kederis, Watson, and B. M. Elfreth, Merchantville, N. J. Support for portable fire extinguishers. 1,788,464; Jan. 13.
Kee, Wilson E., Philadelphia, Pa. Making goblets and similar articles. 1,817,826; Aug. 4.
Keebler, Clarence A., Waukesha, Wis. Folding ironing board structure. 1,833,997; Dec. 1.
Keebler, Elmer, assignor to Mechanical Manufacturing Company, Chicago, Ill. Bumping post. 1,815,917; July 28.
Keefe, John. (See Bailey, William C., assignor.)
Keefe, John J., San Antonio, Tex. Shower bath. 1,825,355; Sept. 29.
Keefe, John P., Manchester, N. H., assignor to International Shoe Company, St. Louis, Mo. Manufacture of boots and shoes. 1,827,200; Oct. 13.
Keefer, Charles H., Andrews, Ind., assignor of one-half to E. J. Keefer, Los Angeles, Calif. Battery terminal puller. 1,827,475; Oct. 13.
Keefer, Edward J. (See Keefer, Charles H., assignor.)
Keefer, Walter L., Chambersburg, Pa. Vibrating mechanism. 1,827,586; Oct. 13.
Keegan, Francis W. (See Pokorny, Frank, assignor.)
Keehnel, Roy B., Independence, Mo. Vending machine cabinet. Des. 85,877; Dec. 29.
Keeler, Alonzo R., Altoona, Ill. Traction connection and the like. 1,833,713; Nov. 24.
Keeler Brass Company. (See Birdsall, Albert L., assignor.)
Keeler Brass Company. (See Keeler, George E., assignor.)
Keeler Brass Company. (See Keeler, G. E., and Birdsall, assignors.)
Keeler Brass Company. (See Keeler, Isaac S., assignor.)
Keeler Brass Company. (See Uhlmann, Otto E., assignor.)
Keeler, Earl A., Philadelphia, assignor to Brown Instrument Company, Philadelphia, Pa. Measuring electric conductivity of fluid. 1,826,886; Oct. 13.
Keeler, George E., assignor to Keeler Brass Company, Grand Rapids, Mich. Locking latch. 1,826,472; Oct. 6.
Keeler, George E., and A. L. Birdsall, assignors to Keeler Brass Company, Grand Rapids, Mich. Locking latch. 1,828,468; Oct. 20.
Keeler, Isaac S., assignor to Keeler Brass Company, Grand Rapids, Mich. Combined lock and latch. 1,799,908; Apr. 7.
Keeler, Isaac S., assignor to Keeler Brass Company, Grand Rapids, Mich. Knob or handle lock. 1,804,781; May 12.
Keeler, Leonarde, Berkeley, Calif. Apparatus for recording arterial blood pressure. 1,788,434; Jan. 13.
Keeler, Lewis J., Cleveland, Ohio, assignor to Beryllium Corporation of America, New York, N. Y. Production of beryllium alloys. 1,790,155; Jan. 27.
Keen, Alexis W., New York, N. Y., assignor to Morgan and Wright, Detroit, Mich. Apparatus for manufacturing rubber articles. 1,791,060; Feb. 3.
Keen, Alexis W., New York, N. Y., assignor to Morgan and Wright, Detroit, Mich. Apparatus for manufacturing rubber articles. 1,833,024; Nov. 24.
Keen, Delbert S., Malden, Mass. Clamp. 1,794,179; Feb. 24.
Keen, George J., Oklahoma City, Okla. Wire rope clamp. 1,814,933; July 14.
Keen, John S., Philadelphia, Pa. Locomotive cab. 1,799,048; Mar. 31.
Keen, John S., Philadelphia, Pa. Main crank pin collar for locomotives. 1,827,587; Oct. 13.
Keen, John S., Philadelphia, and F. B. Deans, Sharon Hill, Pa. Electric locomotive. 1,823,610; Sept. 15.
Keen, John S., Philadelphia, and E. M. Shannon, Bala, Pa. Trailer truck. 1,831,711; Nov. 10.
Keen, Thomas A., Butte, Mont., assignor to H. M. Smith, Chicago, Ill. Car and housing. 1,800,864; Apr. 14.
Keen, Thomas A., assignor to Hannah M. Smith, Chicago, Ill. Artificial animate lure. 1,801,557; Apr. 21.
Keen, Thomas A., St. Louis, Mo., assignor to Hannah M. Smith, Chicago, Ill. Conveyer housing. 1,801,558; Apr. 21.
Keen, Thomas A., St. Louis, Mo., assignor to H. M. Smith, Chicago, Ill. Starting apparatus. 1,810,179; June 16.
Keen, William M., et al. (See Hammett, James Q., assignor.)
Keenan, John, Chicago, Ill. Hair trimmer and dresser. 1,789,234; Jan. 13.
Keenan, John A. (See Fox, A. O., and Keenan.)
Keenan, John J., New York, N. Y. Safety gate. 1,832,812; Nov. 17.
Keenan, Thomas J., Steubenville, Ohio. Mounting calendars, pens, and pencils. 1,831,712; Nov. 10.
Keenan, Walter F., jr., Pelham, assignor to Foster Wheeler Corporation, New York, N. Y. Water wall and mud drum connection. 1,802,471; Apr. 28.
Keenan, Walter F., jr., Pelham, assignor to Foster Wheeler Corporation, New York, N. Y. Fluid heating element. 1,820,227; Aug. 25.
Keenan, Walter F., jr., Pelham, assignor to Foster Wheeler Corporation, New York, N. Y. Superheater. 1,827,892; Oct. 20.
Keenan, Walter M., New York, N. Y., assignor, by mesne assignments, to Metropolitan Engineering Company. Automobile storage. 1,816,590; July 28.
Keenan, William E., Clarendon, Pa. Scraper for flowing wells. 1,833,253; Nov. 24.
Keenan, William H. (See Hamilton, Royal E., assignor.)
Keene, James A., London, England. Loose leaf book. 1,815,511; July 21.
Keene, Walter H., Lisbon Falls, Me. Hame lug bolt. 1,801,925; Apr. 21.
Keene, William J., assignor to Chicago Spring Hinge Company, Chicago, Ill. Adjustable clamp flange for spring hinges and the like. 1,808,308; June 2.
Keene, William J., assignor to Chicago Spring Hinge Company, Chicago, Ill. Spring pivot hinge. 1,827,365; Oct. 13.
Keeney, Edgar, assignor to Nicetown Manufacturing Company, Philadelphia, Pa. Lid and can tongs. 1,792,463; Feb. 10.
Keeney Manufacturing Company, The. (See Keeney, William A., assignor.)
Keeney, William A., Wethersfield, Conn., assignor to The Keeney Manufacturing Company. Valve. 1,804,167; May 5.
Keenok Gears Limited. (See Prendergast, Richard S., assignor.)
Keeran, Charles R., Evanston, Ill., assignor to R. N. Burton, Chicago, Ill. Mechanical pencil. 1,801,671; Apr. 21.
Keeran, Charles R., Evanston, assignor to Dur-O-Lite Pencil Company, Chicago, Ill. Mechanical pencil. 1,821,183; Sept. 1.
Keeran, Charles R., Evanston, assignor to Dur-O-Lite Pencil Company, Chicago, Ill. Mechanical pencil. 1,826,473; Oct. 6.
Keese, Beverly W. (See Rockwell, W. F., and Keese.)
Keeshan, John W., jr., assignor to The Frank H. Lee Company, Danbury, Conn. Hat construction. 1,830,738; Nov. 3.
Keeth, James, Spokane, Wash. Dust preventive for roads. 1,836,255; Dec. 15.

Kefflo, Albert F., Muscatine, Iowa. Tubular saw. 1,829,659; Oct. 27.
Kegel, George A., Lancaster, Pa. Oyster receptacle. 1,810,080; June 16.
Kegler, Anton W., assignor to H. D. Hudson Manufacturing Company, Minneapolis, Minn. Pump and valve structure. 1,834,543; Dec. 1.
Kegler, John A., Alden, N. Y. Sander for automobiles. 1,834,625; Dec. 1.
Kégresse, Adolphe, Suresnes, France. Resilient track with movable elements. 1,790,098; Jan. 27.
Kégresse, Adolphe, Suresnes, France. Endless track belt. 1,814,046; July 14.
Kégresse, Adolphe, Levallois Perret, France. Endless track vehicle. 1,802,656; Apr. 28.
Kégresse, Adolphe, Levallois Perret, France. Motor car bonnet and radiator mounting device. 1,819,178; Aug. 18.
Kégresse, Adolphe, Courbevoie, France. Shock absorbing roll for motor vehicles. 1,828,933; Oct. 27.
Kehawke Manufacturing Co. (See Hawkinson, Paul E., assignor.)
Kehl, Eugene H. (See Olson, G., and Kehl.)
Kehl, Henry L., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Table for grinding apparatus. 1,801,048; Apr. 14.
Kehler, Adele W., San Francisco, Calif. Combined cigarette and match container. Des. 85,186; Sept. 22.
Kehoe, Arthur H., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. System of distribution of alternating currents. 1,787,943; Jan. 6.
Kehoe, Thomas J., Perrysburg, Ohio. Air conditioner stand. Des. 84,831; Aug. 11.
Kehoe, William E., San Francisco, Calif. Combination base and column for a display stand. Des. 83,404; Feb. 17.
Kehoe, William E., San Francisco, Calif. Combination base and column for a display stand. Des. 83,405; Feb. 17.
Kehoe, William E., San Francisco, Calif. Combination base and column for display stands. Des. 84,701; July 21.
Kehoe, William E., San Francisco, Calif. Combination base and column for display stands. Des. 84,702; July 21.
Kehr, Richard F. (See Hoffman, Fred D., assignor.)
Kehrer, Joseph A., Columbus, Ohio. Folding table. 1,836,668; Dec. 15.
Keichline, Anna W., Bellefonte, Pa. Air system. 1,838,839; Dec. 29.
Keidel, Frank, Elmhurst, assignor to The International Seal and Knot Protector Co., New York, N. Y. Seal. 1,831,180; Nov. 10.
Keighley, Lloyd M., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,827,751; Oct. 20.
Keighley, Lloyd M., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,827,752; Oct. 20.
Keighley, Lloyd M., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,829,402; Oct. 27.
Keil, Francis, & Son, Inc. (See Fetyk, Joseph, assignor.)
Keil, Francis, & Son, Inc. (See Keil, Henry F., assignor.)
Keil, Gustav B., and L. C. Upton, St. Joseph, Mich., assignors, by mesne assignments, to Nineteen Hundred Corporation, Binghamton, N. Y. Washing machine. 1,793,093; Feb. 17.
Keil, Henry F., Scarsdale, N. Y., assignor to Francis Keil & Son, Inc. Locking mechanism. 1,805,451; May 12.
Keil, Otto G., Los Angeles, Calif., assignor to Link-Belt Company, Chicago, Ill. Pumping unit. 1,799,100; Mar. 31.
Keilholz, George W., Detroit, Mich. Toy roller coaster. 1,788,953; Jan. 13.
Keillor, Joseph D., Aylmer, Ontario, Canada. Cuff link. 1,815,624; July 21.
Keilly, John E., Greensboro, N. C., assignor to Vick Chemical Company, Philadelphia, Pa. Combined stopper and applicator. 1,822,296; Sept. 8.
Keim, Melville, assignor to The Apex Products Corporation, Chicago, Ill. Display stand. Des. 84,481; June 23.
Keim, Melville, assignor to Apex Products Corp., Chicago, Ill. Vaporizer. Des. 84,785; Aug. 4.
Keim, Walter, Stuttgart, Germany. Regulating and test cock for boiler piping. 1,815,151; July 21.
Keinath, Georg, Berlin-Charlottenburg, and O. Sieber, Berlin-Spandau, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Testing apparatus for measuring transformers. 1,795,607; Mar. 10.
Keirnan, Fred M., Edgewater, N. J. Shoe clasp. 1,806,629; May 26.
Keiser, Arthur J., assignor to The Bircher Co., Inc., Rochester, N. Y. Envelope-sealing machine. 1,799,820; Apr. 7.
Keiser, Arthur J., assignor to Bircher Company, Inc., Rochester, N. Y. Envelope opening machine. 1,838,840; Dec. 29.
Keiser, Arthur J., assignor to The Bircher Co., Inc., Rochester, N. Y. Stamp affixing machine. 1,838,841; Dec. 29.
Keiser, Edward H. (See De Grotte, M., Monson, and Keiser.)
Keith, Clyde R., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for reducing disturbing currents. 1,811,941; June 30.
Keith, David F., Toronto, Ontario, Canada. Refrigerating device. 1,793,287; Feb. 17.
Keith, David F., assignor to Perfection Stove Company, Cleveland, Ohio. Refrigeration apparatus. 1,816,975; Aug. 4.
Keith, Irving L. (See Bowlen, Carlos H., assignor.)
Keith, Irving L. (See Sawyer, Albert F., assignor.)
Keith, Irving L., Haverhill, Mass. Cementing machine. 1,838,099; Dec. 29.
Keith, Nathan D., Dedham, assignor to The West End Thread Company, Boston, Mass. Sewing machine shuttle. 1,812,098; June 30.
Keith, Percy C., jr., assignor to Refinery Engineers, Inc., Kansas City, Mo. Heat exchanger. 1,799,626; Apr. 7.
Keith, Percy C., jr., Bernardsville, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Distilling oils. 1,838,769; Dec. 29.
Keith, Robert R., Hinsdale, Ill., J. A. Bundy, and J. Selzer, Fort Wayne, Ind., assignors to International Harvester Company. Vehicle brake. 1,790,099; Jan. 27.
Keith, Stanley R. (See Driver, W. B., and Keith.)
Keith, Wayland D. (See Cygon, Leon, assignor.)
Keizer, Harold, Concord, Mass. Splash guard. 1,807,039; May 26.
Kelber, Christian. (See Flammer, E., and Kelber.)
Kelch, James W. (See Roberts, T. H., and Holmes, assignors.)
Kelchner, Sarah A., New York, N. Y. Asparagus can. 1,797,868; Mar. 24.
Kelco Company. (See Curtis, Thomas S., assignor.)
Kelco Company. (See Curtis, T. S., and Walsh, assignors.)
Kelco Company. (See Thornley, F. C., and Walsh, assignors.)
Kelco Company. (See Walsh, Michael J., assignor.)
Keleher, Emma. (See Keleher, Michael R., assignor.)
Keleher, Michael R., assignor to Emma Keleher, Norfolk, Nebr. Mail holder. 1,828,417; Oct. 20.
Kelemen, George, South Omaha, Nebr. Safety device for ships. 1,810,564; June 16.
Kell, Doktor K., et al. (See Szombathy, Kálmán, assignor.)
Kell, Ray D., Scotia, N. Y., assignor to General Electric Company. Transmission of pictures or views. 1,793,406; Feb. 17.
Kell, Ray D., Scotia, N. Y., assignor to General Electric Company. Transmission and reception of pictures. 1,796,030; Mar. 10.
Kell, Ray D., Schenectady, N. Y., assignor to General Electric Company. Transmission of pictures. 1,828,667; Oct. 20.
Kella, James J., Towner, Colo. Rotary plow. 1,801,923; Apr. 21.
Kellar, Francis A., Grand Rapids, Mich. Apparatus for use in and assembling spring constructions. 1,820,537; Aug. 25.
Kelleher, Daniel P. (See Ray, Vanney A., assignor.)
Kelleher, James. (See Fitzgerald, F. A. J., and Kelleher.)
Kelleher, Mary E. O., Rutland, Vt. Motor driven thread cutter. 1,835,308; Dec. 8.
Kellems, Vivien, New York, N. Y. Expansile and contractile gripping device. 1,802,657; Apr. 28.
Keller, Albert T., Bethlehem, Pa., assignor to Bethlehem Steel Company. Universal rolling mill. 1,806,976; May 26.
Keller, Albert T., Bethlehem, Pa., assignor to Bethlehem Steel Company. Manipulator for rolling mills. 1,820,622; Aug. 25.
Keller, Alfred R., assignor to Morgan Construction Company, Worcester, Mass. Method of and apparatus for handling ingots. 1,822,930; Sept. 15.
Keller, Arnold B., et al., trustees. (See Gallagher, Arthur D., assignor.)
Keller, Arthur C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Determining cyclic variations in a rotating member. 1,804,168; May 5.
Keller, Arthur C., and E. L. Norton, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration-damping device. 1,792,497; Feb. 17.
Keller, Charles, Warren, Ind. Atomizer attachment for vacuum cleaners. 1,812,207; June 30.
Keller, Charles, Eau Claire, Wis. Hammering tool. 1,825,072; Sept. 29.
Keller, Charles B., Willow Grove, Pa. Jewelry fastener. 1,807,293; May 26.
Keller, Charles G., Poughkeepsie, N. Y. Vehicle wheel. 1,804,937; May 12.
Keller, Charles G., Poughkeepsie, N. Y. Vehicle wheel. 1,804,938; May 12.
Keller, Charles G., Poughkeepsie, N. Y. Vehicle wheel. 1,827,790; Oct. 20.
Keller, Charles G., Poughkeepsie, N. Y. Vehicle wheel. 1,827,791; Oct. 20.
Keller, Charles G., Poughkeepsie, N. Y. Vehicle wheel. 1,827,792; Oct. 20.
Keller, Charles G., Poughkeepsie, N. Y. Vehicle wheel. 1,827,793; Oct. 20.
Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Forming feltable bituminous pulps. 1,792,098; Feb. 10.

Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Producing felted materials containing bitumen. 1,825,869; Oct. 6.
Keller, Clarence J. (See Phelps, A. W., and Keller.)
Keller, Cornelius H., San Francisco, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y. Ore concentration. 1,833,464; Nov. 24.
Keller-Dorian Colorfilm Corporation. (See Oswald, André, assignor.)
Keller, Ferdinand, and K. Schnitzspahn, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Diazosalt preparations for dyeing and printing. 1,820,024; Aug. 25.
Keller, Georg, assignor to Firm Paul Strobach, Gorlitz, Germany. Arrangement for the automatic interrupting of the net circuit of multiphase motors. 1,800,256; Apr. 14.
Keller, Gottlieb, Brugg, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric furnace. 1,798,678; Mar. 31.
Keller, John A., New Paltz, N. Y. Clearing windshields. 1,839,036; Dec. 29.
Keller, John D. (See Trinks, W., and Keller.)
Keller, John R., Carnegie, Pa., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Method and apparatus for feeding molten glass. 1,805,987; May 19.
Keller, Joseph M., Sheldon, Ill. Wristband. 1,790,381; Jan. 27.
Keller, Karl. (See Kalischer, G., Günther, Keller, and Hetzer.)
Keller, Karl. (See Kalischer, G., Scheyer, and Keller.)
Keller, Konrad. (See Gluud, W., Keller, Schönfelder, and Klempt.)
Keller, Leo P., Columbus, Ohio. Accessory for vacuum cleaners. 1,810,613; June 16.
Keller, Margaret M., Elmhurst, Ill. Treatment of residue remaining after extracting soluble substances from malt grain. 1,799,142; Mar. 31.
Keller Mechanical Engineering Corporation. (See Shaw, John C. and R. D., assignors.)
Keller, Noah W., Los Angeles, Calif. Turbine engine. 1,799,101; Mar. 31.
Keller, Robert. (See Meyer-Berg, H., and Keller.)
Keller, Robert, Ennetbaden, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Circuit for protecting electric rectifiers from reverse currents. 1,817,084; Aug. 4.
Keller, Robert, Ennetbaden, assignor to Aktiengesellschaft Brown Boverie & Cie., Baden, Switzerland. Polarized switch. 1,837,188. Dec. 22.
Keller, Rudolph T., Flushing, N. Y. Metallic letters. 1,830,112; Nov. 3.
Keller, Walter D. (See Kendall, D., and Keller.)
Keller, Walter E., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash construction. 1,795,028; Mar. 3.
Kellett, William P., New York, N. Y. Securing freight containers. 1,788,631; Jan. 13.
Kellett, William P., New York, N. Y. Freight-handling truck. 1,793,806; Feb. 24.
Kellett, William P., New York, N. Y. Goods container transportation means. 1,813,169; July 7.
Kellett, William P., New York, N. Y. Freight handling truck. 1,838,842; Dec. 29.
Kellett, William P., assignor of one-half to G. Brereton, Brantford, Ontario, Canada. Building construction. 1,794,079; Feb. 24.
Kelley, Berta L., and L. Winniford, Santa Barbara, Calif. Doll. Des. 84,247; May 26.
Kelley, Charles N., Madison, Wis. Apparatus for cleaning type. 1,823,689; Sept. 15.
Kelley, Charles W., Purcellville, Va. Pressure-operated device for leading wires through conduits. 1,827,239; Oct. 13.
Kelley, Cecil S., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Metal diaphragm. 1,793,621; Feb. 24.
Kelley, Cecil S., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Sound producer. 1,797,349; Mar. 24.
Kelley, Cecil S., East McKeesport, assignor to the Westinghouse Air Brake Company, Wilmerding, Pa. Hose coupling. 1,797,423; Mar. 24.
Kelley, Cecil S., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Sound-producer. 1,797,424; Mar. 24.
Kelley, Cecil S., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Signal horn. 1,805,627; May 19.
Kelley, Cecil S., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Packing ring. 1,805,668; May 19.
Kelley, Cecil S., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Sound producer. 1,820,143; Aug. 25.
Kelley, Earl R., Kansas City, Kans. Aeroplane. 1,805,770; May 19.
Kelley Engineering Company. (See Kelley, Eugene E., assignor.)
Kelley, Ernest E. (See Keck, J. J., and Kelley.)
Kelley, Eugene E., assignor to Kelley Engineering Company, Greensburg, Pa. Filter for purifying cleaning solvents, gasoline, etc. 1,838,263; Dec. 29.
Kelley, Floyd C., Schenectady, N. Y., assignor to General Electric Company. Hard metal composition. 1,794,300; Feb. 24.
Kelley, Floyd C., Schenectady, N. Y., assignor to General Electric Company. Furnace. 1,799,102; Mar. 31.
Kelley, Floyd C., Schenectady, N. Y., assignor to General Electric Company. Use of manganese as a cement for tungsten carbide. 1,831,567; Nov. 10.
Kelley, Frank R., Pittsburgh, Pa. Induction ventilator. 1,792,308; Feb. 10.
Kelley, George L., assignors to Budd Wheel Company, Philadelphia, Pa. Rolling tapered disks. 1,795,492; Mar. 10.
Kelley, Guy F., Beaumont, Calif. Air-conditioning apparatus. 1,789,141; Jan. 13.
Kelley, Henry L. and R., Bakersfield, Calif. Ice-making apparatus. 1,796,426; Jan. 27.
Kelley and Huber. (See Christman, William E., assignor.)
Kelley, Isaiah S., New York, N. Y. Submarine rescuing device. 1,821,219; Sept. 1.
Kelley, John H., Langley, S. C. Adjustable pitman for lays of looms. 1,788,766; Jan. 13.
Kelley, Joy. (See Hill, C. W., and Kelley.)
Kelley-Koett Manufacturing Company, The. (See Werner, Wilbur S., assignor.)
Kelley, Leonard O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,806,167; May 19.
Kelley, Matthew S., New York, N. Y. Parachute and launching apparatus therefor. 1,799,376; Apr. 7.
Kelley, Maude T., Mount Vernon, N. Y. Washing appliance. Des. 84,483; June 23.
Kelley, Milton W., Austin, Tex. Drying rack. 1,815,673; July 21.
Kelley, Oliver K., assignor to General Motors Corporation, Detroit, Mich. Transmission. 1,838,946; Dec. 29.
Kelley, Paul M., New York, N. Y., and J. L. Clayton, Coytesville, N. J. Fuse. 1,825,527; Sept. 29.
Kelley, Ralph. (See Kelley, Henry L. and R.)
Kelley, Raymond E., Buffalo, N. Y. Ceiling supporting strap. 1,804,420; May 12.
Kelley, Samuel I., St. Lawrence, S. Dak. Windshield wiper. 1,814,934; July 14.
Kelley, Will G., Chicago, Ill. Connecting electrical conductors. 1,801,277; Apr. 21.
Kelley, William. (See Henderson, T. L., and Kelley.)
Kelley, William C., Des Moines, Iowa. Display rack for magazines, folders, and the like. 1,820,275; Aug. 25.
Kelley, William H., Denver, Colo. Automobile vanity case. 1,819,516; Aug. 18.
Kelley, William V. D., Jersey City, N. J., assignor, by mesne assignments, to Max B. Du Pont Vitacolor Corporation, Los Angeles, Calif. Color photography. 1,810,180; June 16.
Kelliher, Jasper B., Georgetown, Calif. Water-power mechanism. 1,798,679; Mar. 31.
Kellmann Sycamore Company. (See Akerlow, Gustav W., assignor.)
Kellner, Alexis, Berlin, Germany. Top structure for vehicles. 1,829,146; Oct. 27.
Kellner, Henry F., Silver Lake, Kans. Trailer spreader for dump vehicles. 1,790,050; Jan. 27.
Kellner, Josef. (See Worms, S., Kellner, and Hug.)
Kellner, Louis, assignor to Jefferson Electric Company, Chicago, Ill. Outlet box. 1,825,697; Oct. 6.
Kellogg, Alfred O., Pelham Manor, N. Y. Combined daylight and illuminated sign. 1,811,053; June 23.
Kellogg Company. (See Kellogg, J. L., Foster, Poole and Raymer, assignors.)
Kellogg, Dwight C., Carthage, Mo. Fluid-operated four wheel braking system for land vehicles. 1,808,987; June 9.
Kellogg, Edward E., Norwalk, and A. T. Smith, Eagle Rock, Calif. Vehicle wheel. 1,834,027; Dec. 1.
Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Film-printing apparatus. 1,791,450; Feb. 3.
Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Sound-reproducing apparatus. 1,795,214; Mar. 3.
Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Film drive. 1,827,588; Oct. 13.
Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Electrical system. 1,797,985; Mar. 24.
Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Electrical system. 1,820,809; Aug. 25.
Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic device. 1,824,724; Sept. 22.
Kellogg, Edward W., Moorestown, N. J., assignor to General Electric Company. Film stopping apparatus. 1,828,569; Oct. 20.
Kellogg, Edward W., Moorestown, N. J., assignor to General Electric Company. Sound film apparatus. 1,839,037; Dec. 29.
Kellogg, Herbert C., assignor to Liquid Cooler Corporation, Detroit, Mich. Liquid cooling apparatus. 1,826,791; Oct. 13.
Kellogg, Herbert C., Detroit, Mich., assignor to The Russ Manufacturing Company, Cleveland, Ohio. Refrigerating system. 1,835,785; Dec. 8.

Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Hood hinge. Des. 84,522; June 30.
Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Manufacturing piano type hood. 1,801,559; Apr. 21.
Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Metal working machine. 1,807,847; June 2.
Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Garnish molding. 1,815,715; July 21.
Kellogg, Hosford D., jr., Haverford, Pa. Fountain pen. 1,824,275; Sept. 22.
Kellogg, John H., Battle Creek, Mich. Anal douche. 1,787,481; Jan. 6.
Kellogg, John L., P. W. Foster, R. S. Poole, and M. Raymer, assignors to Kellogg Company, Battle Creek, Mich. Packaging machine. 1,824,401; Sept. 22.
Kellogg, M. W., Company, The. (See Hopkins, Robert K., assignor.)
Kellogg, M. W., Company, The. (See Kellogg, Morris W., assignor.)
Kellogg Manufacturing Co. (See Hazard, George E., assignor.)
Kellogg, Morris W., Brookville, assignor to The M. W. Kellogg Company, New York, N. Y. Forging billets. 1,798,742; Mar. 31.
Kellogg, M. W., Company, The. (See Keith, Percy C., jr., assignor.)
Kellogg, Park B., Stockton, Kans. Control valve for hot-air registers. 1,795,864; Mar. 10.
Kellogg Switchboard and Supply Company. (See Bohlman, Ernest A., assignor.)
Kellogg Switchboard and Supply Company. (See Bohlman, E. A., and Rose, assignors.)
Kellogg Switchboard and Supply Company. (See Currier, Hiram D., assignor.)
Kellogg Switchboard & Supply Co. (See Eaton, G. R., and Horn, assignors.)
Kellogg Switchboard & Supply Co. (See Eaton, G. R., and Rose, assignors.)
Kellogg Switchboard and Supply Company. (See Horn, Royal, assignor.)
Kellogg Switchboard and Supply Company. (See Jacoby, William L., assignor.)
Kellogg Switchboard and Supply Company. (See Kaisling, William, assignor.)
Kellogg Switchboard and Supply Company. (See Koch, Earl L., assignor.)
Kellogg Switchboard and Supply Company. (See Olsen, Halvor M., assignor.)
Kellogg Switchboard and Supply Company. (See Potter, Earl F., assignor.)
Kellogg Switchboard and Supply Company. (See Stazak, Michael B., assignor.)
Kellogg Switchboard and Supply Company. (See Wallace, Bert, assignor.)
Kellogg Switchboard and Supply Company. (See Willet, George R., assignor.)
Kellogg Switchboard and Supply Company. (See Yanochowski, George A., assignor.)
Kellom, Charles F., Philadelphia, Pa. Lubricating device for bolts. 1,792,694; Feb. 17.
Kells, Harold, and C. F. Meilink, assignors to The Meilink Steel Safe Company, Toledo, Ohio. Burglarproof lock. 1,815,314; July 21.
Kelly, Arthur W., New York, N. Y. Combined bookmark and memorandum pad. 1,802,081; Apr. 21.
Kelly, Bert F. (See Winkler, L. G., and Kelly.)
Kelly, Charles A., Monroe, Wis. Dash spring starter switch. 1,814,558; July 14.
Kelly, Charles L., and S. F. Ellsworth, Chicago, Ill. Threader block for carbon. 1,802,115; Apr. 21.
Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Window construction. 1,800,539; Apr. 14.
Kelly Company. (See Kelly, Patrick J., assignor.)
Kelly, Daniel J. (See Kelly, John W., and D. J.)
Kelly, David J., jr. (See Austin, Frederick D., assignor.)
Kelly, Edward S., St. Louis, Mo. Ventilating window sash. 1,798,540; Mar. 31.
Kelly, Edward T., Gardner, Mass. Kneeling bench. 1,798,472; Mar. 31.
Kelly, George E. (See Mayhew, F. M., Reiff, and Kelly.)
Kelly, Geo. J., Inc. (See Christiansen, Hans, assignor.)
Kelly, Henry D., Kansas City, Mo. Coffee urn faucet. 1,837,552; Dec. 22.
Kelly, James F., Clifton, N. J. Wall construction. 1,805,334; May 12.
Kelly, James J., Lyalls Mill, Australia. Shock absorber for motor vehicles. 1,797,093; Mar. 17.
Kelly, Jess C., Cambridge, Ohio. Water jug or similar article. Des. 84,482; June 23.
Kelly, Jess C., Cambridge, Ohio. Goblet or similar article. Des. 85,528; Nov. 10.
Kelly, Jess C., Cambridge, Ohio. Celery tray or similar article. Des. 85,878; Dec. 29.
Kelly, Jess C., Cambridge, Ohio. Mayonnaise dish or similar article. Des. 85,879; Dec. 29.
Kelly, Jess C., Cambridge, Ohio. Plate or similar article. Des. 85,880; Dec. 29.
Kelly, John C., assignor to Ohmer Fare Register Company, Dayton, Ohio. Driving means. 1,794,225; Feb. 24.
Kelly, John R., Imperial, Calif. Rotary mower. 1,800,257; Apr. 14.
Kelly, John W., Erie, Pa. Illuminated sign. 1,820,912; Sept. 1.
Kelly, John W. and D. J., Erie, Pa. Illuminated sign. 1,820,913; Sept. 1.
Kelly, Joseph C., Sand Springs, Okla. Snap-revolving machine. 1,789,820; Jan. 20.
Kelly, Joseph N., Dayton, Ohio. Worm and gear. 1,794,907; Mar. 3.
Kelly, Leland, Port Republic, N. J. Fuel control device for gasoline and oil engines. 1,815,259; July 21.
Kelly, Loomis L., deceased, Roanoke, Va.; W. M. Brodie, administrator. Exhaust apparatus. 1,820,355; Aug. 25.
Kelly, Patrick J., Grand Haven, Mich., assignor to Kelly Company, Chicago, Ill. Valve. 1,836,374; Dec. 15.
Kelly Reamer Company. (See Hartwell, Floyd S., assignor.)
Kelly Reamer Company, The. (See Lennon, Patrick T., assignor.)
Kelly, Tony L. (See Forester, Albert O. and P. M., assignors.)
Kelly, William J., assignor of one-half to A. D. Bach, Brooklyn, N. Y. Making shoes. 1,822,852; Sept. 8.
Kelly, William J., Brooklyn, N. Y., assignor of one-half to Arthur D. Basch, Brooklyn, N. Y. Making shoes. 1,822,853; Sept. 8.
Kelly, William M., Westfield, assignor to American Type Founders Company, Jersey City, N. J. Sheet-feeding mechanism. 1,787,532; Jan. 6.
Kelly, William M., Westfield, assignor to American Type Founders Company, Jersey City, N. J. Side register device. 1,806,465; May 19.
Kelly, William P., Reedsport, assignor of one-half to E. Moeller, Toledo, Oreg. Collapsible stake for cars. 1,789,759; Jan. 20.
Kelly, William V. D., Los Angeles, Calif. Color-photography. 1,830,468; Nov. 3.
Kelp, Fred, Deer Park, assignor of one-half to A. J. Duncan, Spokane, Wash. Animal trap. 1,794,463; Mar. 3.
Kelsall, George A., Belleville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnet core. 1,809,042; June 9.
Kelsen, Ernst, Vienna, Austria. Apparatus for electrolytically producing metal alloys. 1,804,101; May 5.
Kelsey, Frank N., New Haven, assignor of one-half to P. C. Swole, Clinton, Conn. Signal valve. 1,833,218; Nov. 24.
Kelsay-Hayes Wheel Corporation. (See Ash, Charles S., assignor.)
Kelsey-Hayes Wheel Corporation. (See Booth, William N., assignor.)
Kelsey-Hayes Wheel Corporation. (See Copple, Dwight E., assignor.)
Kelsey-Hayes Wheel Corporation. (See Main, Frank L., assignor.)
Kelsey-Hayes Wheel Corporation. (See Stoler, Edward W., assignor.)
Kelsey-Hayes Wheel Corporation. (See White, John W., assignor.)
Kelsey, William H., Cleveland, Ohio. Ironing device. 1,803,622; May 5.
Kelso, Ralph S. (See Moffatt, J. R., and Kelso.)
Kelso, Ralph S., assignor to Free Sewing Machine Company, Rockford, Ill. Attachment for sewing machines. 1,790,100; Jan. 27.
Kelso, Ralph S., assignor to The Free Sewing Machine Company, Rockford, Ill. Drive gear for sewing machines. 1,818,336; Aug. 11.
Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler mechanism. 1,801,924; Apr. 21.
Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,825,907; Oct. 6.
Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler mechanism. 1,825,908; Oct. 6.
Keltie, George R., assignor to American Wringer Co., Inc., Woonsocket, R. I. Rotation indicating wringer roll. 1,815,916; July 28.
Kelton Aurand Manufacturing Co. (See Harris, Albert L., assignor.)
Kelton, Elihu H. (See Anderson, E. A., and Kelton.)
Keltonik, Stephen, Conemaugh, Pa. Combined inkstand and penrack. 1,806,630; May 26.
Kelvinator Corporation. (See Ashton, Richard O., assignor.)
Kelvinator Corporation. (See Berresford, Arthur W., assignor.)
Kelvinator Corporation. (See Doeg, Ralph W., assignor.)
Kelvinator Corporation. (See Ellis, Don G., assignor.)
Kelvinator Corporation. (See Erbach, Frederick R., assignor.)
Kelvinator Corporation. (See Fiske, Jonathan P. B., assignor.)
Kelvinator Corporation. (See Pope, Harold L., assignor.)
Kelvinator Corporation. (See Replogle, John R., assignor.)
Kelvinator Corporation. (See Spreen, Charles C., assignor.)
Kemet Laboratories Company. (See Cooper, Hugh S., assignor.)
Kemet Laboratories Company. (See Cooper, H. S., and Sarbey, assignors.)

Kemet Laboratories, Inc. (See Cooper, Hugh S., and Merlub-Sobel, assignors.)
Kemery, Ode, Wichita, Kans. Hat block and collapsible stand. 1,822,297; Sept. 8.
Kemikal, Inc. (See Mellanoff, Isadore S., assignor.)
Kemmann, Gustav, Berlin-Grunewald, Germany. Railway signaling system. 1,808,661; June 2.
Kemme, Joseph, assignor to C. R. Nalle, Philadelphia, Pa. Caster. 1,827,240; Oct. 13.
Kemmer, Frank R., Larchmont, assignor to American Cyanamid Company, New York, N. Y. Producing zinc. 1,815,260; July 21.
Kemmerer, Ralph R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,812,154; June 30.
Kemnal, James, London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,832,029; Nov. 17.
Kemnal, James, London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler installation and operating the same. 1,835,309; Dec. 8.
Kemp, Alfred V., Pinner, England, assignor to The Wellman Engineering Company, Cleveland, Ohio. Gas producer air sleeve. 1,825,404; Sept. 29.
Kemp, Archie R., Westwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and machine for insulating cables. 1,802,605; Apr. 28.
Kemp, Archie R., Westwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rubber composition. 1,829,992; Nov. 3.
Kemp, C. M., Manufacturing Company, The. (See Kemp, William W., assignor.)
Kemp, Edward F., Somerville, Mass. Package. 1,815,261; July 21.
Kemp, Jesse B., Pomona, Calif. Glass protector. 1,805,584; May 19.
Kemp, John B., Ridgewood, N. J., assignor to Clark Loose Leaf Manufacturing Company. Pad holder. 1,807,158; May 26.
Kemp, Joseph L., Omaha, Nebr. Folding stage dressing room. 1,796,567; Mar. 17.
Kemp, Paul, Vienna, Austria. Alloy of lead and antimony. 1,807,788; June 2.
Kemp, Paul, Vienna, Austria. Treating waste alloys for the purpose of removing therefrom certain constituents whose presence renders the alloys unsuitable for certain uses. 1,819,607; Aug. 18.
Kemp, William C., Norwood, assignor to The Paper Service Company, Lockland, Ohio. Elastic stitching. 1,789,180; Jan. 13.
Kemp, William W., assignor to The C. M. Kemp Manufacturing Company, Baltimore, Md. Singeing machine. 1,832,984; Nov. 24.
Kempel, Norbert F., Chicago, Ill. Vehicle brake. 1,836,327; Dec. 15.
Kemper, Charles W. and J. T., Hayward, Calif. Cable clamp. 1,811,942; June 30.
Kemper, John T. (See Kemper, Charles W. and J. T.)
Kemper, Joseph, Berlin-Wilmersdorf, Germany. Hair clasp. 1,796,996; Mar. 17.
Kempf, Arthur R., Springfield, Tenn. Tourniquet. 1,827,241; Oct. 13.
Kempf, Günther, Hamburg, Germany. Ship's hull. 1,803,259; Apr. 28.
Kempf, Karl F. W., Buffalo, N. Y. Key bolt. 1,796,793; Mar 17.
Kempf, Louis W. (See Archer, R. S., and Kempf.)
Kempf, Walter E., Stamford, Conn. Artificial denture. 1,825,593; Sept. 29.
Kempsmith Manufacturing Co., The. (See Goetz, J., and Radermacher, assignors.)
Kempton, Arthur K. (See Baker, Henry S., assignor.)
Kempton, Arthur K. (See Balzer, Werner H., assignor.)
Kempton, Arthur K. (See Geisslinger, Jean, assignor.)
Kempton, Clarence W., Los Angeles, Calif. Gas engine. 1,828,228; Oct. 20.
Kempton, Herbert E., K. F. Gallimore, and R. M. Woytych, Fond du Lac, Wis., assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Work holder. 1,800,540; Apr. 14.
Kempton, Herbert E., and K. F. Gallimore, Fond du Lac, Wis., assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,826,178; Oct. 6.
Kempton, Willard H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company. Strain insulator. 1,806,294; May 19.
Kempton, Willard H., Wilkinsburg, and T. C. Roantree, East Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Making composite disks. 1,811,469; June 23.
Kenaga, Ivan A., assignor to The Dow Chemical Company, Midland, Mich. Electroplating magnesium and alloys thereof. 1,801,629; Apr. 21.
Kendall, Allen B., Maywood, assignor to Archibald G. Shaver, Chicago, Ill. Locating a train and instructing it to take a siding. 1,827,020; Oct. 13.
Kendall, Burton W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. High frequency signaling. 1,835,783; Dec. 8.
Kendall Company, The. (See Callaway, Alfred S., assignor.)
Kendall, David, and W. D. Keller, assignors to The Alliance Machine Company, Alliance, Ohio. Crane. 1,837,718; Dec. 22.
Kendall, George M., Brookline, Mass. Beverage dispensing device. 1,831,357; Nov. 10.
Kendall, Harold. (See Strosacker, C. J., Kendall, Kennedy, and Pelton.)
Kendall, Ira H., assignor to The Kendall Patents, Inc., Potsdam, N. Y. Sanitary fitting. 1,823,549; Sept. 15.
Kendall, James M., Scotia, N. Y., assignor to General Electric Company. Electrical apparatus. 1,833,750; Nov. 24.
Kendall, James P. (See Heising, R. A., and Kendall.)
Kendall, Marvin R., Port Townsend, Wash. Self locking valve bag. 1,819,421; Aug. 18.
Kendall Patents, The. (See Kendall, Ira H., assignor.)
Kendall, Walter H., Chicago, assignor to N. T. Ladenson, Evanston, Ill. Sliding door. 1,827,433; Oct. 13.
Kendall, William G., Newark, N. J. Vanity case. 1,794,301; Feb. 24.
Kendall, William G., Newark, N. J. Compact plate holding ring. 1,807,480; May 26.
Kendall, William G., Newark, N. J., assignor to Parfumerie Rigaud, Inc., New York, N. Y. Lipstick holder. 1,835,879; Dec. 8.
Kendall, William G., Newark, N. J. Vanity case and compact plate. 1,835,951; Dec. 8.
Kende, George, East Orange, N. J., assignor to Phonodisc Corporation, New York, N. Y. Mechanically synchronized shaft. 1,819,819; Aug. 18.
Kendig, Julian H., Pittsburgh, Pa. Washing machine. 1,832,560; Nov. 17.
Kendle, Albert F., Syracuse, Nebr. Mainspring barrel. 1,796,374; Mar. 17.
Kendrick, Carl E., and B. W. Moore, Lithia, Fla.; said Moore assignor to said Kendrick. Compression brake for hoisting drums. 1,821,756; Sept. 1.
Kendrick, James R., Co. (See Fox, William J., assignor.)
Kenely, William J., Elizabeth, N. J. Fish lure and grapple. 1,810,565; June 16.
Kenerson, Stanley M., assignor to Standard Electric Time Company, Springfield, Mass. Electric plug. 1,819,100; Aug. 18.
Kenerson, Stanley M., assignor to The Standard Electric Time Company, Springfield, Mass. Electrical socket. 1,819,101; Aug. 18.
Kenerson, Stanley M., assignor to Standard Electric Time Company, Springfield, Mass. Lamp attachment. 1,823,049; Sept. 15.
Keney, Victor, New York, N. Y. Combined eye and eyelashes for dolls. 1,796,997; Mar. 17.
Keney, Victor, New York, N. Y. Artificial eyelash. 1,810,566; June 16.
Kenison, William I., Solomon, Kans. Grain saver. 1,818,335; Aug. 11.
Keniston, George I., Taft, Calif. Well pumping apparatus. 1,823,273; Sept. 15.
Kenna, Ernest M., New York, N. Y. Leaf holder for books. 1,807,118; May 26.
Kennard, Victor P., Portsmouth, N. H. Tie hanger. 1,813,932; July 14.
Kennedy, Absalom M. (See Lloyd, S. J., and Kennedy.)
Kennedy, Absalom M. (See Winter, I. A., and Kennedy.)
Kennedy, Albert H., Rockport, Ind. Operating unit for double-acting pumps. 1,828,570; Oct. 20.
Kennedy, Alexander X., Tyrone, Pa. Fastening rolls to shafts. 1,803,193; Apr. 28.
Kennedy, Alois D., St. Paul, Minn. Banana hanger. 1,795,779; Mar. 10.
Kennedy, Arthur L., Keene, N. H., assignor to Plastic, Inc. Making mineral fiber articles. 1,820,538; Aug. 25.
Kennedy, Arthur L., Keene, N. H., assignor to Plastic, Inc. Mineral fiber paper and making the same. 1,830,607; Nov. 3.
Kennedy, Aubrey M., New York, N. Y. Radio loud speaker. 1,833,714; Nov. 24.
Kennedy, Bert, Gloversville, N. Y. Combined receptacle and toothbrush holder. 1,803,194; Apr. 28.
Kennedy, Carlton L., Braintree, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Supporting means for electric motors. 1,798,846; Mar. 31.
Kennedy, Carlton L., Braintree, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Brush and mounting therefor. 1,833,525; Nov. 24.
Kennedy, Chester C. (See Strosacker, C. J., Kendall, Kennedy, and Pelton.)
Kennedy, Clyde J. (See Prince, H. C., and Kennedy.)
Kennedy, Colin B., Incorporated. (See Lauritsen, Charles C., assignor.)
Kennedy, Daniel J., Vancouver, British Columbia, Canada. Treatment of coffee. 1,821,551; Sept. 1.
Kennedy, Donald S., Andover, England. Traction belt attachment. 1,808,416; June 2.
Kennedy, Edward, New York, N. Y. Plumbing system. 1,815,205; July 21.
Kennedy, Emmett F., assignor to The Cleveland Co-Operative Stove Company, Cleveland, Ohio. Stove. Des. 85,383; Oct. 20.
Kennedy, Emmett F., assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio. Stove construction. 1,802,559; Apr. 28.
Kennedy, F. E. (See Rogers, Matthew S., assignor.)
Kennedy, Frank W., assignor to De Laval Steam Turbine Company, Trenton, N. J. High speed blower. 1,825,622; Sept. 29.

Kennedy, George A. (See Foy, Edward N., assignor.)
Kennedy, George C. (See Woodring, Alberto I., assignor.)
Kennedy, George C., Waterloo, Iowa. Adjustable luggage carrier. 1,808,042; June 2.
Kennedy, George M., Detroit, Mich. Automobile radiator screen. 1,806,104; May 19.
Kennedy, Homer R., Los Angeles, Calif. Adaptable wheel holder. 1,809,169; June 9.
Kennedy, Homer R., Los Angeles, Calif. Wire spoke straightener and wheel aligning tool. 1,822,407; Sept. 8.
Kennedy, James S., Pelham Manor, N. Y. Automatic gas-making apparatus. 1,794,906; Mar. 3.
Kennedy, James V. (See Watters, Gordon I., assignor.)
Kennedy, John C., assignor to The Kennedy Valve Mfg. Co., Elmira, N. Y. Automatic pump-discharge valve. 1,791,449; Feb. 3.
Kennedy, John J., and C. W. Dake, assignors to The Pyle-National Company, Chicago, Ill. Field control for electric machines. 1,813,496; July 7.
Kennedy, Joseph A., Pawtucket, R. I., assignor, by mesne assignments, to Anaconda Wire and Cable Company. Nonsticky water and flame resistant insulated conductor, conduit, etc., and making. 1,787,629; Jan. 6.
Kennedy, Joseph A., Pawtucket, R. I., assignor, by mesne assignments, to Anaconda Wire and Cable Company. Water proofing sheathing for electrical conductors and the product thereof. 1,801,813; Apr. 21.
Kennedy, Joseph A., Pawtucket, R. I., assignor to Anaconda Wire and Cable Company, New York, N. Y. Coating apparatus. 1,811,505; June 23.
Kennedy, Joseph E., New York, N. Y. Supporting roller for kiln barrels and the like. 1,802,917; Apr. 28.
Kennedy, Joseph E., New York, N. Y. System of and means for preparing fuel and delivery thereof to a place of combustion. 1,809,902; June 16.
Kennedy, Joseph E., New York, N. Y. Mixer and distributor for pneumatic transported pulverized material. 1,825,668; Oct. 6.
Kennedy, Joseph M., St. Louis, Mo. Bottle. 1,797,869; Mar. 24.
Kennedy, Julian, Pittsburgh, Pa. Brake. 1,799,170; Apr. 7.
Kennedy, Julian, Pittsburgh, Pa. Rolling sheets. 1,824,486; Sept. 22.
Kennedy, Leo W., Detroit, Mich. Candy case. Des. 82,993; Jan. 6.
Kennedy, Leo W., Detroit, Mich. Divider support. 1,789,181; Jan. 13.
Kennedy, Leo W., Detroit, Mich. Clip construction. 1,827,021; Oct. 13.
Kennedy, Leo W., Detroit, Mich. Show case light assembly. 1,827,022; Oct. 13.
Kennedy, Lloyd W. (See Johnstone, Sara P. W., assignor.)
Kennedy, Luke F., Philadelphia, Pa., assignor to General Electric Company. Protective arrangement. 1,831,568; Nov. 10.
Kennedy Manufacturing Company. (See Shriver, Harry P., assignor.)
Kennedy-McCandless Corporation. (See Mayette, Edgar, assignor.)
Kennedy-McCandless Corporation. (See McCandless, Harry E., assignor.)
Kennedy, Millard M. (See Stull, E., and Kennedy.)
Kennedy, Millard M., El Paso, Tex. Illuminated sign. 1,801,746; Apr. 21.
Kennedy, Robert E., Los Angeles, Calif. Compass course and ground speed indicator. 1,828,807; Oct. 27.
Kennedy, Robert E., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Chuck for bowling balls. 1,832,127; Nov. 17.
Kennedy, Thomas D., and J. J. Keon, Owen Sound, Ontario, Canada, assignor to William Kennedy & Sons, Limited, Owen Sound, Ontario, Canada. Stop log winch. 1,837,909; Dec. 22.
Kennedy Valve Mfg. Co., The. (See Kennedy, John C., assignor.)
Kennedy, William Q., New York, N. Y. Second-of-time range finder. 1,787,944; Jan. 6.
Kennedy, William, & Sons, Limited. (See Kennedy, T. D., and Keon, assignors.)
Kennedye, Charles B., University City, Mo., assignor to The Kennedye Corporation, Wilmington, Del. Reamer blade. 1,811,273; June 23.
Kennedye Corporation, The. (See Davis, John P., assignor.)
Kennedye Corporation, The. (See Kennedye, Charles B., assignor.)
Kennerson Manufacturing Co. (See Palm, Arthur C., assignor.)
Kenneweg, Christian H., Millvale, Pa. Temperature control system. 1,833,324; Nov. 24.
Kenney, Edward F., Bethlehem, Pa., assignor to Bethlehem Steel Company. Rail heat treatment. 1,837,189; Dec. 22.
Kenney, Francis L. M., Los Angeles, Calif., assignor, by mesne assignments, to Frank L. Manion. Filter device. 1,806,977; May 26.
Kenney, Francis T. (See Ungerlieder, G., Kenney, and Barron.)
Kenney Manufacturing Company. (See Kenney, William C., assignor.)
Kenney Manufacturing Company. (See Smith, Walter E., assignor.)
Kenney, Mary A. (See Gibbons, Richard, assignor.)
Kenney, William C., assignor to Kenney Manufacturing Company, Cranston, R. I. Curtain fixture. 1,789,276; Jan. 13.
Kenney, William C., assignor to Kenney Manufacturing Company, Cranston, R. I. Extension system for curtain rods. 1,794,019; Feb. 24.
Kenney, William J., Chicago, Ill. Radiator. 1,810,712; June 16.
Kenney Manufacturing Company. (See Smith, Walter E., assignor.)
Kennington, William O., London, England, assignor to General Motors Corporation, Detroit, Mich. Vacuum brake. 1,835,222; Dec. 8.
Kenny, Alfred M., Oshawa, Ontario, Canada. Illuminated receptacle. 1,837,447; Dec. 22.
Kenny, Edward C., and J. P., Chicago, Ill. Shoe shining machine. 1,836,924; Dec. 15.
Kenny, Joseph P. (See Kenny, Edward C. and J. P.)
Kensig, Louis D., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Apparatus for continuous blow down for boilers. 1,812,050; June 30.
Kensig, Louis D., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Apparatus for continuous blow down for boilers. 1,818,483; Aug. 11.
Kensington Steel Company. (See Bauer, Eugene C., assignor.)
Kensington Steel Company. (See McKee, Walter S., assignor.)
Kenslow, Henry F., Sapulpa, Okla. Rim. 1,791,596; Feb. 10.
Kent, Alfred W., assignor to William Spiers Limited, Leicester, England. Yarn changing means for circular knitting machines. 1,827,660; Oct. 13.
Kent, Arthur A., Ardmore, Pa. Radio dial escutcheon plate. Des. 83,046; Jan. 13.
Kent, Arthur A., Ardmore, Pa. Cabinet for radio receiving apparatus. Des. 83,682; Mar. 17.
Kent, Arthur A., Ardmore, Pa. Cabinet for radio receiving apparatus. Des. 85,244; Sept. 29.
Kent, Arthur A., Ardmore, Pa. Radiospeaker. 1,794,855; Mar. 3.
Kent, Arthur A., Ardmore, Pa. Volume control. 1,796,375; Mar. 17.
Kent, Arthur A., Ardmore, and R. T. Kingsford, Wyncote, Pa.; said Kingsford assignor to said A. A. Kent. Radio speaker. 1,829,007; Oct. 27.
Kent, Bert M. (See Becker, Ralph K., assignor.)
Kent, Charles W., Peoria, Ill. Electric massage machine vibrator. 1,812,960; July 7.
Kent, Earle L., Carthage, Mo. Sound recording and reproducing means. 1,819,820; Aug. 18.
Kent, Frank J. (See Barany, Edmund R., assignor.)
Kent, Frank J. (See Henry, Augustus M., assignor.)
Kent, Frank J. (See Suekert, Harold C., assignor.)
Kent, Frank J., Montclair, N. J., assignor to Chayes Dental Instrument Corporation, New York, N. Y. Denture connection. 1,799,469; Apr. 7.
Kent, Gage A., Indianola, Iowa. Stock feed. 1,796,031; Mar. 10.
Kent, George, Limited. (See Douglas, John G., assignor.)
Kent, George, Limited. (See Hodgson, John L., assignor.)
Kent, Harrison H. (See Reed, H. D., and Kent.)
Kent, Irving F., Copper Cliff, Ontario, Canada. Chair for mine skips. 1,795,215; Mar. 3.
Kent, James, Wichita Falls, Tex. Cotton picker. 1,793,426; Feb. 17.
Kent Machine Works, Inc. (See Peters, Elmer, assignor.)
Kent, Owen, Downers Grove, assignors to Briede & Rogovsky, Chicago, Ill. Machine for bending trouser hooks. 1,788,241; Jan. 6.
Kent, Owen, Downers Grove, Ill., assignor to Briede & Rogovsky. Apparatus for applying trouser hooks. 1,803,970; May 5.
Kent-Owens Machine Company. (See Happel, Albert W., assignor.)
Kent, Richard P., Wilmette, Ill., assignor to Street & Kent Mfg. Company. Faucet. 1,790,625; Jan. 27.
Kent, Robert J., Jamaica, N. Y., assignor to American Telephone and Telegraph Company. Cable guide. 1,812,961; July 7.
Kent, Thomas J., San Francisco, and H. P. Bell, Oakland, assignors to East Bay Street Railways, Ltd., Oakland, Calif. Token. Des. 83,730; Mar. 24.
Kent, William W., Bronxville, assignor to Ellicott Square Company, Buffalo, N. Y. Mosaic floor or similar article. Des. 85,583; Nov. 17.
Kentucky Utilities Company. (See Ackerman, Fred, assignor.)
Kenworthy, Clarence S., Buffalo, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Fuel injection or spray valve. 1,833,080; Nov. 24.
Kenyon, Charles C., Somerville, N. J. Tentering and drying machine. 1,799,300; Apr. 7.
Kenyon, Charles C., Somerville, N. J. Tentering and drying machine. 1,799,301; Apr. 7.
Keoleian, Souren, assignor of twenty-five per cent to H. Y. Yardumian, Philadelphia, Pa. Melting compound. 1,825,151; Sept. 29.
Keon, James J. (See Kennedy, T. D., and Keon.)
Keonig, Christian. (See Wels, Franz, assignor.)

Keown, George C., Rapid City, S. Dak., assignor to Western Wheeled Scraper Company, Aurora, Ill. Wheeled scraper. 1,803,971; May 5.
Kepich, Robert, Vienna, Austria. Tobacco pipe. 1,799,909; Apr. 7.
Keplinger, Charles W., receiver. (See Lewis, Joseph C., assignor.)
Ker, John O., Ottawa, Ontario, Canada. Meat marker. 1,815,716; July 21.
Ker, John O., Ottawa, Ontario, Canada. Animal marking tag. 1,831,569; Nov. 10.
Kerby, Henry S., Albany, Ga. Door. 1,800,800; Apr. 14.
Kercher, Arthur J., Berkeley, and W. W. Hicks, assignors to Wesix National Company, San Francisco, Calif. Water supply heater. 1,824,155; Sept. 22.
Kercher, Arthur J., Berkeley, and W. W. Hicks, assignors to Wesix National Company, San Francisco, Calif. Electrical heating device. 1,835,602; Dec. 8.
Kercher, Merrill A., executors. (See Ladd, James B.)
Kerékgyártó, György, Budapest, Hungary. Treating metal shapes. 1,830,550; Nov. 3.
Kerkhoff, Frank A. (See Terrell, H. C., and Kerkhoff.)
Kerkman, Freidreck W., St. John, Wash. Tire chain. 1,806,064; May 19.
Kerlin, James R., Los Angeles, Calif. Wrench. 1,816,015; July 28.
Kermer, Martin J., Chicago, Ill. Apparatus for evaporating and concentrating liquids. 1,791,317; Feb. 3.
Kermer, Martin J., Snyder, assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y. Evaporating apparatus. 1,831,121; Nov. 10.
Kermode, William M., and C. S. Plummer, Bradford, England. Expansion pipe joint and the like. 1,805,335; May 12.
Kern, Adolf. (See Jacob, Emil, assignor.)
Kern, Bernard, Syracuse, N. Y. Carpet and floor cleaner. 1,816,538; July 28.
Kern, Emil, Flushing, assignor to Acco Products, Inc., Long Island City, N. Y. Fastener. 1,832,935; Nov. 24.
Kern, Erwin, Wettingen, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Protective apparatus for rectifiers. 1,792,099; Feb. 10.
Kern, Erwin, Wettingen, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Commutation of continuous current. 1,813,056; July 7.
Kern, Fred M., assignor to Hutto Engineering Company, Inc., Detroit, Mich. Adjusting device for cylinder grinders. 1,811,943; June 30.
Kern, Fred T., Milwaukee, Wis., Car puller. 1,816,188; July 28.
Kern, Herbert A., Hinsdale, and G. J. Fink, Oak Park, assignors to National Aluminate Corporation, Chicago, Ill. Detergents and in washing. 1,829,522; Oct. 27.
Kern, Jacob S., Fleetwood, and O. L. Currier, Mount Penn, assignors to Fleetwood Body Corporation, Fleetwood, Pa. Top extension. 1,823,201; Sept. 15.
Kern, Jacob S., Fleetwood, and O. L. Currier, Mount Penn, assignors to Fleetwood Body Corporation, Fleetwood, Pa. Clamp for windshields. 1,823,202; Sept. 15.
Kern, Jean G., and C. J. Sala, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkylolamine salts of aliphatic acids and sulphonated fatty acids. 1,799,821; Apr. 7.
Kern, Jean G., Waltham, Mass., and C. J. Sala, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing textile fibers. 1,799,822; Apr. 7.
Kern, Jean G., Waltham, Mass., and C. J. Sala, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing textile fibers. 1,799,823; Apr. 7.
Kern, Jean G., Waltham, Mass., and C. J. Sala, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Aklylolamine salts of sulphonated compounds. 1,799,824; Apr. 7.
Kern, Jean G., Waltham, Mass., and C. J. Sala, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing textile fibers. 1,799,825; Apr. 7.
Kern, Jean G., Waltham, Mass., and C. J. Sala, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Printing paste. 1,799,826; Apr. 7.
Kern, Jean G., and C. I. Sala, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Printing paste and producing the same. 1,834,314; Dec. 1.
Kern, Leo, Villingen, assignor to Kienzle Uhrenfabriken Aktiengesellschaft, Schwenningen-on-the-Neckar, Germany. Fare indicator. 1,788,161; Jan. 6.
Kern, Lillian M., Portland, Me. Holder. 1,828,668; Oct. 20.
Kern, Maximilian H., Richmond Hill, New York, assignor to Roberts Numbering Machine Company, Brooklyn, N. Y. Dating attachment for packaging machines. 1,811,358; June 23.
Kern, Maximilian H., Richmond Hill, New York, assignor to Roberts Numbering Machine Company, Brooklyn, N. Y. Dating attachment for wrapping machines. 1,811,359, June 23.
Kern, Otto, et al. (See McArdle, Edward J., assignor.)
Kernan, John J., Baltimore, assignor to American Bank Stationery Company, Baltimore, Md. Bookbinder. 1,806,466; May 19.
Kernchen, John C. (See Williams, William J., assignor.)
Kerner Automatic Hoist Company, The. (See Zetterlund, Theodor, assignor.)
Kerner Incinerator Company. (See Kummer, Frederick C., assignor.)
Kerney & Trecker Corporation. (See Armitage, J. B., and Kearney, assignors, Graves, and Nenninger.)
Kerngood, Allen H., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. Des. 84,419; June 16.
Kerngood, Allen H., Baltimore, Md., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Apparel buckle. 1,821,839; Sept. 1.
Kerngood, Allen H., assignor to Alma Manufacturing Company, Baltimore, Md. Buckle with loop and lock. 1,829,223; Oct. 27.
Kernochan, William, East Orange, N. J. Carpet holding device. 1,836,375; Dec. 15.
Kerns, Adin U., Altoona, Pa. Rotary plane. 1,817,197; Aug. 4.
Kerns, Arthur D. (See Rosaire, E. E. and Kerns.)
Kerotest Manufacturing Company. (See Mueller, Richard W., assignor.)
Kerr, Arthur G., Seattle, Wash., and D. Merchant, San Francisco, Calif., assignors to Wood Hydraulic Hoist & Body Company, Detroit, Mich. Vehicle body. 1,805,489; May 19.
Kerr, Arthur J., Tulsa, Okla., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Flow-controlling valve. 1,787,686; Jan. 6.
Kerr Chickeries, Inc. (See Taylor, Irvin A., assignor.)
Kerr, Frank D., Bellevue, Pa. Marker post. 1,801,962; Apr. 21.
Kerr, Harold H. (See O'Connell, J. and Kerr.)
Kerr, Harry E., assignor to The Barber Gas Burner Company, Cleveland, Ohio. Gas burner for heating appliances. 1,791,360; Feb. 3.
Kerr, Howard J. (See Jacobus, D. S., and Kerr.)
Kerr, Howard J. (See Sadler, C. R., and Kerr.)
Kerr, Howard J. (See Savoye, C. U., and Kerr.)
Kerr, Howard J., El Mora, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water-tube boiler. 1,788,162; Jan. 6.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater boiler. 1,789,076; Jan. 13.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Fluid container. 1,790,478; Jan. 27.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Baffle support. 1,792,643; Feb. 17.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Furnace and method of operating the same. 1,800,689; Apr. 14.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Pipe or tube joint. 1,802,766; Apr. 28.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Economizer. 1,804,939; May 12.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Fluid heater. 1,813,405; July 7.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 1,816,650; July 28.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Air heater and making the same. 1,817,987; Aug. 11.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,819,179; Aug. 18.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Baffle. 1,822,151; Sept. 8.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 1,823,050; Sept. 15.
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Economizer with overlapping plates. 1,827,201; Oct. 13.
Kerr, Howard J., Westfield, N. J., and J. Fletcher, New Brighton, N. Y., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Superheater. 1,814,707; July 14.
Kerr, Howard J., Westfield, and C. U. Savoye, Hackensack, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Feed device. 1,817,627; Aug. 4.
Kerr, James, Williamsport, Pa., assignor to Williamsport Furniture Company. Console vanity table. Des. 83,903; Apr. 14.
Kerr, James, Williamsport, Pa., assignor to Williamsport Furniture Company. Console vanity table. Des. 83,904; Apr. 14.
Kerr, John F., Alturas, Calif. Window-sash balance. 1,795,561; Mar. 10.
Kerr, John M., assignor to Bay City Shovels, Inc., Bay City, Mich. Turntable lock. 1,808,898; June 9.
Kerr, Mark B. (See Dowd, A. D., Kerr, and Locke.)
Kerr, Mark B., Rosebank, S. I., N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. Re18,126; July 7.
Kerr, Mark B., Grasmere, assignor to International Communications Laboratories Incorporated, New York, N. Y. Telegraph system. 1,834,281; Dec. 1.
Kerr, Robert M., assignor to Detroit Dental Manufacturing Company, Detroit, Mich. Instrument for treating teeth. 1,818,627; Aug. 11.

Kerr, Russell, Minneapolis, Minn., assignor to C. G. Conn, Ltd., Elkhart, Ind. Key spatule for musical instruments. 1,836,256; Dec. 15.
Kerr, Russell H., and E. F. Urich, San Antonio, Tex. Advertising device. 1,811,320; June 23.
Kerr, William J., Smethport, Pa. Spinning toy. 1,804,260; May 5.
Kerrigan, John, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Radio apparatus. 1,838,264; Dec. 29.
Kerrigan, Stephen J., Mahoney Plane, Pa. Slate jig. 1,822,298; Sept. 8.
Kerrihard, George M. and M. L., Red Oak, Iowa, assignors to Kaybar Burner Corporation, Chicago, Ill. Oil gas burner. 1,832,220; Nov. 17.
Kerrihard, Maxwell L. (See Kerrihard, G. M. and M. L.)
Kerruish, Edward P. (See Sacknus, H. F., and Kerruish.)
Kerruish, Edward P., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Method of and apparatus for making bearings. 1,802,723; Apr. 28.
Kerruish, Ralph J., Littleton, Colo. Curb bit. 1,792,378; Feb. 10.
Kerschner, Grace T., executrix. (See Kerschner, Richard M.)
Kerschner, Richard M., Pittsburgh, Pa., assignor to Hubbard & Company. Insulator support. 1,787,533; Jan. 6.
Kerschner, Richard M., Pittsburgh, Pa., assignor to Hubbard & Company. Insulator rack. 1,794,520; Mar. 3.
Kerschner, Richard M., deceased, Pittsburgh; G. T. Kerschner, Zelienople, Pa., executrix, assignor to Hubbard & Company. Making insulator racks. 1,822,037; Sept. 8.
Kershaw, Harold, Quincy, Ill. Combined automatic unloader pilot and switch. 1,838,228; Dec. 29.
Kershaw, Henry, Jersey City, N. J. Cigarette extinguisher. 1,804,102; May 5.
Kershaw, John G., and R. Dawson, Montreal, Quebec, Canada. Bunch building on bobbins. 1,835,058; Dec. 8.
Kershaw, William E., Gwynodd Valley, Pa. Electric storage battery. 1,807,595; June 2.
Kerstens, Otto, Bremen, Germany. Safety pin. 1,826,003; Oct. 6.
Kerth, Max. (See Hoffa, E., and Kerth.)
Kertz, James J., Jamaica, assignor of one-half to P. Roeder, Brooklyn, N. Y. Burglar alarm. 1,827,366; Oct. 13.
Kerwin, Arthur C., New York, N. Y. Masonry bolt. 1,802,560; Apr. 28.
Kerwin, Edwin J., et al. (See Carty, William M., assignor.)
Kerwin, Henry J., deceased, Phoenixville, Pa., L. A. Kerwin, administratrix. Indicator buoy for sunken ships. 1,811,014; June 23.
Kerwin, Lucille A., administratrix. (See Kerwin, Henry J.)
Keseleff, Fader, Seattle, Wash. Toy gun. 1,827,023; Oct. 13.
Kesler, Joel P., Overbrook, Kans. Switch. 1,795,257; Mar. 3.
Kesler, Norton T., and T. Forby, Zion, Ill. Cotton picking device. 1,832,221; Nov. 17.
Kesler, Selwyn W., et al. (See Doty, L., assignor, and Carroll.)
Kesling, Elmer G., Bloomfield, Mo. Speed-charging mechanism. 1,800,837; Apr. 14.
Kessel, Johannes B., Chicago, Ill. Carburetor. 1,839,102; Dec. 29.
Kesselman, Floyd V. and L. P., Butler, Pa. Operating mechanism for temper screws. 1,799,171; Apr. 7.
Kesselman, Louis P. (See Kesselman, Floyd V. and L. P.)
Kesselring, Fritz. (See Kühns, A., and Kesselring.)
Kessenich, Gregory J. (See Karnes, J. C., and Kessenich.)
Kesses, Charles, New York, N. Y. Parachute for aeroplanes. 1,835,498; Dec. 8.
Kessler, Alexander M., Brooklyn, N. Y., assignor to Premier Shoe Company, Inc. Shoe. 1,816,907; Aug. 4.
Kessler, Charles J. (See Chadwick, L. S., and Kessler.)
Kessler, Charles J. (See Chadwick, L. S., Resek, and Kessler.)
Kessler, Charles L., assignor to Barber-Colman Company, Rockford, Ill. Adjustable reamer. 1,829,485; Oct. 27.
Kessler, Emil, and C. H. James, Brooklyn, N. Y. Chain clamp. 1,817,628; Aug. 4.
Kessler, Frank, and A. G. Forster, Liverpool, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,825,000; Sept. 29.
Kessler, Harry A., Buffalo, N. Y., assignor to Kalman Steel Company, Inc., Chicago, Ill. Production of expanded metal. 1,795,493; Mar. 10.
Kessler, Harry A., Buffalo, N. Y., assignor to Kalman Steel Company, Inc., Chicago, Ill. Machine for the production of expanded metal. 1,797,506; Mar. 24.
Kessler, Harry A., assignor to Kalman Steel Company, Inc., Chicago, Ill. Machine for preparing cutter disks. 1,831,869; Nov. 17.
Kessler, Johan, et al. (See Kugler, Heinrich, assignor.)
Kessler, Justus, Hackensack, N. J. Pan for keeping paint brushes soft and ready for use. 1,813,670; July 7.
Kessler, Louis, Chicago, Ill. Mine ventilating apparatus. 1,806,760; May 26.
Kessler, Merrill. (See Stevenson, H. J., and Kessler.)
Kestel, Joseph, Manhattan, Ill., assignor to Ruhm Phosphate & Chemical Company. Phosphate spreader. 1,796,032; Mar. 10.
Kestenman Bros. Mfg. Co. (See Kestenman, Charles H., assignor.)
Kestenman, Charles H., assignor to Kestenman Bros., Mfg. Co., Providence, R. I. Flexible strap, band or linkage. 1,808,140; June 2.
Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Flexible strap, band, or linkage. 1,809,277; June 9.
Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Clasping device for wrist watch straps, bracelets, and the like. 1,809,278; June 9.
Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Clasp for bracelets, straps, linkages, or the like. 1,814,475; July 14.
Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Clasping device for flexible bracelet or the like. 1,820,393; Aug. 25.
Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Flexible band, chain, or linkage. 1,822,894; Sept. 15.
Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Clasping device for bracelets. 1,826,887; Oct. 13.
Kester, George I. (See Pieper, A. F., and Kester.)
Kester Solder Company. (See Ripley, Perry C., assignor.)
Kesti, Charles J., Hood River, Oreg. Conveyer switch. 1,824,276; Sept. 22.
Kestin, Samuel S., New York, N. Y. Buckle. Des. 83,861; Apr. 7.
Ketcham, William M., Durham, N. C. Fire kindler. 1,801,163; Apr. 14.
Ketchpel, Paul A. (See Lower, N. M., Chalker, and Ketchpel.)
Ketchum, James T., Chicago, Ill. Sectional heating boiler. 1,821,648; Sept. 1.
Ketchum, Lee, assignor of one-half to J. S. Hurd, Memphis, Tenn. Vehicle lubricating device. 1,795,955; Mar. 10.
Keterer, Inez H., et al. (See Heeter, Charles M., assignor.)
Ketterer, Alexander, Milwaukee, Wis. Seam opener. 1,801,630; Apr. 21.
Ketterer, Sigmund G., assignor to Schutte and Koerting Company, Philadelphia, Pa. Apparatus for and method of combining liquids and gases. 1,808,956; June 9.
Kettering, Charles F., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Hydraulic slack adjuster. 1,795,865; Mar. 10.
Kettering, Charles F., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,815,315; July 21.
Kettering, Charles F., and Otto M. Summers, Dayton, Ohio, assignors, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,793,857; Feb. 24.
Kettering, Ward E., and A. B. Hill, jr., San Francisco, Calif. Washing machine. 1,813,807; July 7.
Ketterlinus Lithographic Mfg. Co. (See Bacon, Harry S. C., assignor.)
Ketterlinus Lithographic Mfg. Co. (See Schwartz, Eugene, assignor.)
Ketterlinus Lithographic Mfg. Co. (See Wiederseim, T. E., and Carrick, assignors.)
Ketzschler, Kurt, Berlin-Tempelhof, Germany. Sight device for print mounting. 1,821,810; Sept. 1.
Keuffel, Carl W., Weehawken, assignor to Keuffel & Esser Company, Hoboken, N. J. Photometer. 1,816,047; July 28.
Keuffel & Esser Company. (See Keuffel, Carl W., assignor.)
Keuffel & Esser Company, The. (See Schermerhorn, Leon, assignor.)
Keuffel & Esser Company, The. (See Weibrecht, John, assignor.)
Keuls, Henry P. C., New York, N. Y., assignor to Sealed Joint Construction Corporation. Wall structure. 1,821,892; Sept. 1.
Keunecke, Emil, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of metal carbonyls. 1,836,474; Dec. 15.
Keup, Albert, Gelsenkirchen, Germany. Centrifugal casting. 1,807,536; May 26.
Keussler, Otto, and D. Peters, Darmstadt, Germany. Dehydrating alcohol. 1,808,271; June 2.
Kevorkian, Joseph D., Philadelphia, Pa. Lamp-shade fixture. 1,796,464; Mar. 17.
Kew, Charles R., Kansas City, Mo. Caliper. 1,830,113; Nov. 3.
Kewanee Boiler Corporation. (See Bronson, Carlos E., assignor.)
Kewanee Boiler Corporation. (See Dickson, Joseph F., assignor.)
Kewanee Machinery & Conveyor Co. (See Bauerle, Robert, assignor.)
Kewanee Manufacturing Company. (See Tomlinson, George G., assignor.)
Kex Company. (See Sommerbeck, Adolph G., assignor.)
Kex Company. (See Warsaw, Abe J., assignor.)
Kex Co., Inc. (See Young, Edward O., assignor.)
Key Boiler Equipment Co. (See Key, Frederick E., assignor.)

Key, Frederick E., assignor to Key Boiler Equipment Co., East St. Louis, Ill. Apparatus for heat exchanging. 1,813,057; July 7.
Key, Frederick E., assignor to Key Boiler Equipment Co., East St. Louis, Ill. Drop forged return bend for oil tills. 1,836,257; Dec. 15.
Key, James F., Pasadena, Calif., assignor of sixty-eight per cent to J. Irvine, jr. Toy vehicle and guiding apparatus therefor. 1,824,214; Sept. 22.
Key, James F., Pasadena, assignor of one-half to L. S. Lyon, Los Angeles, Calif. Night sight for firearms. 1,826,004; Oct. 6.
Key, James F., Sierra Madre, assignor to First Trust & Savings Bank of Pasadena, trustee, Pasadena, Calif. Pressure gauge. 1,836,601; Dec. 15.
Key, James F., Pasadena, Calif., assignor of 68 per cent to J. Irvine, jr. Knockdown structural toy. 1,837,553; Dec. 22.
Keyes, Donald B., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Absolute alcohol process. 1,830,469; Nov. 3.
Keyes, Frederick G., Cambridge, Mass., assignor, by mesne assignments, to Frigidaire Corporation. Method of and apparatus for producing refrigeration. 1,802,516; Apr. 28.
Keyes, Frederick G., Cambridge, Mass., assignor, by mesne assignments, to Frigidaire Corporation. Electrical control system for refrigeration. 1,829,403; Oct. 27.
Keyes, Harmon E., Globe, Ariz. Aeration of liquids. 1,823,831; Sept. 15.
Keys, Addie T., West View, Pa. Vacuum cleaner bag. 1,833,904; Dec. 1.
Keys, Adela M. G., London, England. Device for drying or airing garments or other articles. 1,788,676; Jan. 13.
Keys, Walter C., Detroit, Mich., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Cushion connection. 1,818,715; Aug. 11.
Keys, Walter C., Detroit, Mich., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Mounting bracket. 1,822,529; Sept. 8.
Keystone Adjustable Cap Corporation. (See Wagenfeld, Harry, assignor.)
Keystone Aircraft Corporation. (See Koch, Charles D., assignor.)
Keystone Grinder & Manufacturing Company. (See Cooney, Lawrence J., assignor.)
Keystone Lubricating Company. (See Ludwick, Harlan M., assignor.)
Keystone Transportation Company. (See Davis, P. L., and Raphael, assignors.)
Keystone Watch Case Corporation. (See Davis, Alex B., assignor.)
Key-Tag Checking System Company, The. (See Todd, John H., assignor.)
Keytone Driller Company. (See Downie, Robert R., assignor.)
Keyzer, Joseph N. M., Miami, Fla. Cigarette dispenser. 1,798,680; Mar. 31.
Keyzer, Joseph N. M., Miami, Fla. Cigarette-dispensing device. 1,798,681; Mar. 31.
Kharasch, Morris S., College Park, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Germicides, fungicides, etc., for soil sterilization and using the same. 1,787,581; Jan. 6.
Kharasch, Morris S., College Park, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mercury compound of para-nitro-aniline and making the same. 1,787,630; Jan. 6.
Kharasch, Morris S., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Seed disinfectant composition. 1,820,001; Aug. 18.
Khetah Corporation. (See Sartakoff, Jack D., assignor.)
Khezarjian, Alexander, Detroit, Mich. Vehicle brake. 1,824,552; Sept. 22.
Khoury, Harry E., and J. G. Menzer, assignors to Khoury Warp Stop Motion, Inc., New Bedford, Mass. Warp stop motion. 1,832,222; Nov. 17.
Khoury Warp Stop Motion, Inc. (See Khoury, H. E., and Menzer, assignors.)
Kibele, Eugene, deceased, San Antonio, Tex.; E. Schroeder, executrix. Pump piston. 1,820,228; Aug. 25.
Kida, Yasuzo, Kanda-Ku, Tokyo, Japan. Sinking and building wells. 1,836,175; Dec. 15.
Kidd, Alvin S., assignor to Madison-Kipp Corporation, Madison, Wis. Die casting machine. 1,815,776; July 21.
Kidd, George W., Victoria, British Columbia, Canada. Primary arithmetic set. 1,836,851; Dec. 15.
Kidd, John T. (See Briggs, J. F., Palmer, and Kidd.)
Kidd, Kiddson L., Arcadia, Calif. Dam construction. 1,829,864; Nov. 3.
Kidd, Stephen H. B., Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Interlocking system. 1,789,261; Jan. 13.
Kidd, Walter P., Richmond, Va. Furnace coil. 1,835,711; Dec. 8.
Kidde, Walter & Company. (See Freygang, Gustav G., assignor.)
Kidde, Walter, & Company. (See Grant, Harry C., jr., assignor.)
Kidde, Walter, & Company. (See Mapes, Daniel, assignor.)
Kidde, Walter, & Company. (See McLaren, Malcolm W., assignor.)
Kidder, Elwin H., assignor to Link-Belt Company, Chicago, Ill. Clamping and platform-locking mechanism. 1,793,622; Feb. 24.
Kidder, Elwin H., assignor to Link-Belt Company, Chicago, Ill. Cable car haul. 1,835,059; Dec. 8.
Kidder, Elwin H., and W. E. Erickson, assignors to Link-Belt Company, Chicago, Ill. Car dumper. 1,807,294; May 26.
Kiddie-Rhester Co., The. (See Anthony, D., and Stoddard.)
Kideney, Robert J., Ontario, Calif. Bath cabinet. 1,817,381; Aug. 4.
Kidwell, Arthur C., Houston, Tex. Coin separator. 1,813,296; July 7.
Kieckhefer, A., Elevator Co. (See Kieckhefer, Edwin F., assignor.)
Kieckhefer Container Company. (See Werner, Arthur W., assignor.)
Kieckhefer, Edwin F., assignor to A. Kieckhefer Elevator Co., Milwaukee, Wis. Motor controller. 1,805,699; May 19.
Kiedrowski, John A., Chicago, Ill. Automatic lead pencil. 1,789,760; Jan. 20.
Kiefer, Esther J., Milwaukee, Wis. Ornamental paper. 1,801,313; Apr. 21.
Kiefer, John B., Seattle, Wash. Mat from worn-out tires. 1,799,616; Apr. 7.
Kiefer, Karl, Cincinnati, Ohio. Evacuator. 1,799,590; Apr. 7.
Kiefer, Karl, Cincinnati, Ohio. Evacuator. 1,799,591; Apr. 7.
Kiefer, Ralph F., Pittsburgh, Pa., assignor to Strowan Corporation, New York, N. Y. Nail-making machine. 1,795,216; Mar. 3.
Kiefer, Ralph F., Pittsburgh, J. P. Ritchey, and R. J. Farrell, Ellwood City, Pa., assignors to Strowan Corporation, New York, N. Y. Nail-making machine. 1,795,217; Mar. 3.
Kiefer, Wilbert J., Chicago, Ill. Armored cable coupling. 1,834,062; Dec. 1.
Kiefer, William G., Brookline, Mass., assignor to E. Van Noorden Company, Boston, Mass. Glazed structures. 1,835,784; Dec. 8.
Kieffer, Russel J. (See Carow, Thomas H., assignor.)
Kiehart, Joseph A. (See Rozdilski, John, assignor.)
Kiel Furniture Company, The. (See Gommesen, Arthur, assignor.)
Kiel Furniture Company, The. (See Seutter, Louis, assignor.)
Kiel, Henry, Lost Nation, Iowa. Feeder. 1,788,677; Jan. 13.
Kielberg, Henry, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Sheet metal package. 1,811,506; June 23.
Kielberg, Henry, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Sheet metal package. 1,811,507; June 23.
Kielland, Jakob D. (See Samuelsen, H., and Kielland.)
Kielsmeier, Edwin H., Sunnyside, Wash. Clean egg nest. 1,810,278; June 16.
Kielsmeier, Reuben, Baldwin Park, Calif. Door latch. 1,791,898; Feb. 10.
Kiene, Gustav, Eisenach, Germany. Tap-hole socket for barrels and other like containers. 1,791,031; Feb. 3.
Kienle, Roy H., Schenectady, and W. J. Scheiber, Troy, N. Y., assignors to General Electric Company. Resinous material and making the same. 1,812,749; June 30.
Kienninger, John F., North Cambridge, assignor to Technicolor Motion Picture Corporation, Boston, Mass. Cinematographic apparatus. 1,803,115; Apr. 28.
Kientz, Otto L., Meriden, Kans. Aeroplane wing. 1,790,309; Jan. 27.
Kienzle, Charles J., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Clutch shifting mechanism. 1,830,840; Nov. 10.
Kienzle Taxameter und Apparate A. G. (See Toewe, Fritz, assignor.)
Kienzle Uhrenfabriken Aktiengesellschaft. (See Heinz, Hans, assignor.)
Kienzle Uhrenfabrieken A. G. (See Jauch, Erhard, assignor.)
Kienzle Uhrenfabriken Aktiengesellschaft. (See Kern, Leo, assignor.)
Kienzle Uhrenfabriken Aktiengesellschaft et al. (See Toewe, Fritz, assignor.)
Kiepe, Harry R. (See Klausmann, H., and Kiepe.)
Kieper, Jean, assignor to Societe Anonyme Etablissements Jules Marchal, St.-Die, Vosges, France. Apparatus for successively distributing variable and adjustable quantities of any liquids. 1,818,225; Aug. 11.
Kieren, Joseph, Gilbert, Minn. Switch stand. 1,798,682; Mar. 31.
Kiernan, William P., East Orange, N. J., assignor to Westinghouse Lamp Company. Metal-reduction bomb. 1,795,780; Mar. 10.
Kiesel, William F., jr., Altoona, Pa. Railway draft gear. 1,804,345; May 5.
Kiesel, William F., jr., Altoona, Pa. Boiler. 1,825,594; Sept. 29.
Kiesel, William F., jr., Hollidaysburg, Pa. Truck for rolling stock. 1,822,895; Sept. 15.
Kiesel, William F., jr., Hollidaysburg, Pa. Hopper car. 1,825,234; Sept. 29.
Kiesel, William F., jr., Hollidaysburg, Pa. Hopper car. 1,825,235; Sept. 29.

Kiesel, William F., jr., Hollidaysburg, Pa. Locomotive frame. 1,828,418; Oct. 20.
Kiesel, William F., jr., Hollidaysburg, Pa. Freight car end construction. 1,834,952; Dec. 8.
Kieselbach, Henry A., Montclair, N. J. Steam traps. 1,789,706; Jan. 20.
Kieser, Walter, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Regulating valve. 1,835,952; Dec. 8.
Kiesling, Samuel F. (See Halvorsen, O., and Kiesling.)
Kiessling, Max, assignor to The American Fastener Company, Waterbury, Conn. Buckle. 1,834,715; Dec. 1.
Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Thread trimmer for sewing machines. 1,820,569; Aug. 25.
Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole sewing machine. 1,827,696; Oct. 13.
Kiger, Luther J., assignor to National Auto Tag Seal Corporation, Nashville, Tenn. Sealed identification-tag case and mounting. 1,801,088; Apr. 14.
Kiger, Luther J., assignor to National Auto Tag Seal Corporation, Nashville, Tenn. Identification tag case mounting. 1,834,028; Dec. 1.
Kiger, Omar C., and R. Shelton, Yakima, Wash. Relief valve for pressure pumps. 1,819,422; Aug. 18.
Kilberg, Frank, Detroit, Mich. Window latch. 1,806,978; May 26.
Kilberry, George D., assignor to Dowingtown Manufacturing Company, Downingtown, Pa. Suction roll. 1,821,757; Sept. 1.
Kilborn, Karl B., Fairlawn, Ohio, assignor to Seiberling Rubber Company. Vulcanizing apparatus. 1,812,792; June 30.
Kilborn, Karl B., Fairlawn, assignor to Sieberling Rubber Company, Barberton, Ohio. Cooling means for roller mills. 1,820,073; Aug. 25.
Kilborn, Karl B., Fairlawn, assignor to Seiberling Rubber Company, Barberton, Ohio. Cooling mill rolls. 1,820,074; Aug. 25.
Kilborn-Sauer Company, The. (See Sauer, Frederick, assignor.)
Kilborn-Sauer Company, The. (See Sauer, Henry J., assignor.)
Kilborn-Sauer Company, The. (See Sauer, Peter, assignor.)
Kilbourne, Kenneth A., Azusa, Calif., assignor to Owl Fumigating Corporation, New York, N. Y. Fumigating apparatus. 1,809,279; June 9.
Kilburn, Corttis R., Erie, Pa. Joint. 1,823,274; Sept. 15.
Kilburn, Isaac J., assignor to The American Switch Point Protector and Railroad Equipment Company, Denver, Colo. Switch point protector. 1,803,904; May 5.
Kilby, William. (See Jones, J. I. M., and Kilby.)
Kilcarr, Gilbert M., assignor to Interstate Equipment Company, New York, N. Y. Loading device. 1,834,787; Dec. 1.
Kile, Alfred W., assignor to Durkee-Atwood Company, Minneapolis, Minn. Auxiliary mudguard for automobile fenders. 1,809,711; June 9.
Kiley, Edward J., assignor to The Ohio Brass Company, Mansfield, Ohio. Valve and manufacturing same. 1,798,473; Mar. 31.
Kilgore, Frederick O., Fullerton, Calif. Shock absorber. 1,790,310; Jan. 27.
Kilgore, William W., assignor to All Metal Bottle Cooler Corporation, Atlanta, Ga. Combination bottle cooler and stand. Des. 85,102; Sept. 15.
Kiliani, Richard B. T., assignor of one-fourth to A. Gardner, Detroit, Mich. Recording and reproducing wave frequencies. 1,828,189; Oct. 20.
Kiliani, Richard B. T., assignor of one-fourth to A. Gardner, Detroit, Mich. Preparing a magnetizable body to receive and reproduce wave frequencies. 1,828,190; Oct. 20.
Kilker, William F., Detroit, Mich. Vehicle brake. 1,821,550; Sept. 1.
Killam, Gaston B., Great Falls, Mont. Gas burner. 1,791,565; Feb. 10.
Killark Electric Manufacturing Company. (See Andrews, Harry C., assignor.)
Kille, Lindley A., Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiautomatic telephone system. 1,832,306; Nov. 17.
Killefer Manufacturing Corporation. (See Brodersen, M. M., Babel, and Rogers, assignors.)
Killefer Manufacturing Corporation. (See Enzenauer, E. M., and Mitchell, assignors.)
Killeffer, David H., Yonkers, assignor to Dryice Equipment Corporation, New York, N. Y. Refrigerating apparatus and method. 1,822,850; Sept. 8.
Killeffer, David H., Yonkers, assignor to Dryice Equipment Corporation, New York, N. Y. Apparatus and method for refrigerating. 1,825,073; Sept. 29.
Killen, D. J., et al. (See Hale, Fred E., assignor.)
Killen, Dan J., Chicago, Ill., assignor to W. C. Wehe, Milwaukee, Wis. Liquid-circulating heat-transfer system. 1,791,818; Feb. 10.
Killian, Joseph D., Cheynee, Wyo. Oil valve. 1,811,794; June 23.
Killman, Thomas A., Nashville, Tenn. Combined cigarette dispensing apparatus and lighter. 1,834,029; Dec. 1.
Kilmer, Joseph G., assignor to Kilmer & Sons Company, Spokane, Wash. Packing box. 1,833,081; Nov. 24.
Kilmer & Sons Company. (See Kilmer, Joseph G., assignor.)
Kilponen, Edward, assignor to Simplex Ignition Corporation, Detroit, Mich. Distributor. 1,826,888; Oct. 13.
Kilpper, Rudolph, Houston, Tex. Scale. 1,835,223; Dec. 8.
Kilstrom, Axel, Cranston, R. I., assignor to Henry Lederer & Bro. Inc. Hairbrush. 1,813,745; July 7.
Kimball, A., Company. (See Given, Kenneth M., assignor.)
Kimball, A., Company. (See Laencher, Frederick W., assignor.)
Kimball, A., Company. (See Marsh, Melville A., assignor.)
Kimball, A., Company. (See Plass, Robert H., assignor.)
Kimball, A., Company. (See Pope, Paul M., assignor.)
Kimball, Andrew L., Detroit, Mich., assignor to The Wheeler-Schebler Carburetor Co., Indianapolis, Ind. Carburetor. Re17,965; Feb. 17.
Kimball, Arthur L., Schenectady, N. Y., assignor to General Electric Company. Vibration damping device. 1,833,751; Nov. 24.
Kimball, Franklin E., Long Beach, Calif. Recovering and purifying dilute sulphuric acid from acid sludge. 1,790,049; Jan. 27.
Kimball, Franklin E., Long Beach, Calif. Purifying sulphuric acid. 1,805,247; May 12.
Kimball, Harry G., Bronxville, N. Y., assignor to The Billings & Spencer Company, Hartford, Conn. Board drop hammer. 1,809,300; June 9.
Kimball, Julia S. (See Kline, Harry L., assignor.)
Kimball, Ralph E., Coraopolis, and J. Lewis, assignors to McClintic-Marshall Company, Pittsburgh, Pa. Imprint mounting for outdoor advertising structures. 1,838,685; Dec. 29.
Kimball, Richard B., Canton, Okla. Power cotton chopper and tillage implement. 1,795,029; Mar. 3.
Kimball, Samuel J., Elgin, Ill., assignor, by mesne assignments, to Van Sicien Corporation. Ash receptacle. 1,802,947; Apr. 28.
Kimball, Thomas B., Martinez, assignor to Shell Oil Company, San Francisco, Calif. Sweetening hydrocarbon distillates. 1,831,916; Nov. 17.
Kimball, Vernon R. (See Dirkes, R. F., Kimball, and Long.)
Kimball, Wallace D., and A. E. Rideout, New York, N. Y., assignors, by mesne assignments, to Standard-Knapp Corporation, New York. Carton sealing machine. 1,815,571; July 21.
Kimbell, Arthur W. (See Knutson, C. L., Roby, and Kimbell.)
Kimbell, Arthur W., Newton Center, Mass., assignor to Cinch Manufacturing Corporation, Chicago, Ill. Curtain-stick end. 1,787,482; Jan. 6.
Kimber, Herbert G., Oakland, Calif. Rake. 1,831,009; Nov. 10.
Kimber, Walter E., London, England. Drawing curtains and the like. 1,813,170; July 7.
Kimberlin, William H., assignor of one-half to W. H. Beatty, Natches, Miss. Ladder. 1,811,722; June 23.
Kimberling, Henry R., St. Louis, Mo. Smoking pipe. 1,817,257; Aug. 4.
Kimble, Charles H., jr., assignor to C. W. Hill Printing Company, Spokane, Wash. Changeable exhibitor. 1,828,808; Oct. 27.
Kimble Electric Company. (See Nies, John D., assignor.)
Kimble Glass Company. (See Conlan, Edward J., assignor.)
Kimble, Horace G., Brooklyn, N. Y. Bed. 1,812,298; June 30.
Kimble, Horace G., Brooklyn, N. Y. Bed. 1,824,156; Sept. 22.
Kimbrell, Hollie B., Fayette, Ala. Rat trap. 1,807,537; May 26.
Kimbrig, Louis, Brooklyn, and M. Galuten, New York, N. Y. Hat and coat holder. 1,829,486; Oct. 27.
Kimmel, George P. (See Brack, Conrad M., assignor.)
Kimmel, George P. (See Hyland, Frank J., assignor.)
Kimmel, Ina B., Jamestown, N. Y. Curling rod hair winder. 1,827,291; Oct. 13.
Kimmich, Elmer G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making flexible conduits. 1,797,193; Mar. 17.
Kimmins, Andrew, Detroit, Mich. Game board. Des. 83,110; Jan. 20.
Kincaid, Albert E., jr., Pittsburgh, Pa. Ejector. 1,835,603; Dec. 8.
Kincaid, Frank M., Lima, Ohio, assignor to W. R. Bassick, Chicago, Ill. Top lubricating system. 1,820,705; Aug. 25.
Kincaid, Russell M., assignor to Chrysler Corporation, Detroit, Mich. Pressing machine. 1,835,060; Dec. 8.
Kincannon, Leo T., Scottsdale, Pa., assignor to Marion Machine Foundry & Supply Company, Marion, Ind. Articulated tractor track. 1,810,138; June 16.
Kinch, Earl L., assignor to The Waterbury Buckle Company, Waterbury, Conn. Reenforced marking tag. 1,818,559; Aug. 11.
Kind, Morris, Bryn Mawr, assignor to Hercules Cement Corporation, Philadelphia, Pa. Car for transporting cement or the like. 1,810,770; June 16.
Kind, Morris, Bryn Mawr, assignor to Hercules Cement Corporation, Philadelphia, Pa. Apparatus for handling cement or like material in bulk. 1,822,530; Sept. 8.

Kindel, Charles J., assignor to Kindel Furniture Company, Grand Rapids, Mich. Folding bed. 1,800,220; Apr. 14.
Kindel Furniture Company. (See Kindel, Charles J., assignor.)
Kindel Furniture Company. (See Kindel, Thomas G., assignor.)
Kindel, Thomas G., Grand Rapids, Mich., assignor to Kindel Furniture Company. Bed or similar article. Des. 84,786; Aug. 4.
Kindel, Thomas G., Grand Rapids, Mich., assignor to Kindel Furniture Company. Bedstead or similar article. Des. 85,479; Nov. 3.
Kindelberger, James H., West Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Gull wing plane. Des. 85,831; Dec. 22.
Kindelmann, Albert, Floral Park, and E. Boecking, Brooklyn, assignors to International Projector Corporation, New York, N. Y. Take up reel slip device. 1,827,893; Oct. 20.
Kinder, Cloyd L., Denver, Colo. Internal combustion engine. 1,817,153; Aug. 4.
Kindermann, Erich, Berlin-Reinickendorf-West, assignor to Deutsche Gasglublicht-Auer-Gesellschaft mit beschrankter Haftung, Berlin, Germany. Refrigerating plant. 1,837,871; Dec. 22.
Kindl, Carl H., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Ignition timer. Re18,276; Dec. 8.
Kindl, Carl H., assignor to Delco-Remy Corporation, Dayton, Ohio. Electrical condenser. 1,830,907; Nov. 10.
Kindl, Carl H., and F. D. Funston, assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,839,103; Dec. 29.
Kindstrom, Carl. (See Helin, Elis, assignor.)
Kinex Studios, Inc. (See Young, Elmer H. and F. W., assignors.)
King, Alexander H. (See Ryder, Earle A., and King.)
King, Alexander H., West Hartford, assignor to The Pratt & Whitney Aircraft Co., Hartford, Conn. Speed change device. 1,836,602; Dec. 15.
King, Alexander H., and E. A. Ryder, West Hartford, assignors to The Pratt & Whitney Aircraft Company, Hartford, Conn. Internal combustion engine. 1,838,408; Dec. 29.
King, Alexander H., and E. A. Ryder, West Hartford, assignors to The Pratt & Whitney Aircraft Company, Hartford, Conn. Internal combustion engine. 1,838,409; Dec. 29.
King, Amanda E. (See Abramowitz Joseph, assignor.)
King, Bert W., assignor to Barnes Scale Company, Detroit, Mich. Scale. 1,811,831; June 23.
King, Bert W., assignor to Barnes Scale Company, Detroit, Mich. Scale. 1,816,189; July 28.
King, Bert W., assignor to Barnes Scale Company, Detroit, Mich. Check controlled scale. 1,822,038; Sept. 8.
King, C. G., & Co. (See Bayan, Lawrence M., assignor.)
King, C. G., & Co. (See Brigham, Charles W., assignor.)
King, C. G., & Co. (See Farmer, Ada E., assignor.)
King, C. G., & Co. (See Gibbons, Winifred L., assignor.)
King, C. G., & Co. (See King, Clifford G., assignor.)
King, C. G., & Co. (See Recchia, Orlando, R., assignor.)
King, C. G., & Co. (See Smith, Walter E., assignor.)
King, Charles G., Milwaukee, Wis. Piston ring compressor. 1,812,962; July 7.
King, Charles W., Memphis, Tenn., assignor to J. E. Kissmer and M. P. King. Self locking adjustable boot. 1,833,905; Dec 1.
King, Clarence W., Shreveport, La. Floating harbor. 1,801,089; Apr. 14.
King, Clarence W., Shreveport, La. Catapulting device. 1,816,288; July 28.
King, Clarence W., Shreveport, La. Floating harbor. 1,821,310; Sept. 1.
King, Clifford G., Providence, R. I. Buckle. 1,817,440; Aug. 4.
King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,994; Jan. 6.
King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,995; Jan. 6.
King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,996; Jan. 6.
King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 82,997; Jan. 6.
King, Clifford G., Barrington, R. I., assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 83,451; Feb. 24.
King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 83,547; Mar. 3.
King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 83,548; Mar. 3.
King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 83,549; Mar. 3.
King, Clifford G., Barrington, assignor to C. G. King & Co. Inc., Providence, R. I. Shoe ornament. Des. 83,813; Mar. 31.
King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 83,905; Apr. 14.
King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 83,906; Apr. 14.
King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 84,290; June 2.
King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 84,420; June 16.
King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 84,421; June 16.
King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 84,523; June 30.
King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 84,524; June 30.
King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 84,832; Aug. 11.
King, Clifford G., Barrington, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 84,942; Aug. 25.
King Company. (See King, George G., assignor.)
King, Currie, Rutherford, Tenn. Seed gathering attachment for mowing machines. 1,819,180; Aug. 18.
King, Dean W., San Francisco, Calif. Shotgun shell and follower. 1,831,010; Nov. 10.
King, Dennis. (See Simonek, Rudolph J., assignor.)
King, Edward S., Kansas City, Mo. Valve. 1,820,075; Aug. 25.
King, Floyd C., assignor to Guardian Trust Company, Detroit, Mich. Tool holder. 1,797,986; Mar. 24.
King, Floyd C., Birmingham, assignor to Guardian Trust Company, Detroit Mich. Punch. 1,797,987; Mar. 24.
King, Frank A., Denver, Colo. Tunneling machine. 1,800,541; Apr. 14.
King, Fred C., Portland, Oreg. Fastener for burial vaults. 1,797,527; Mar. 24.
King, Frederic D., Brookline, Mass., assignor to General Electric Company. Control system. 1,792,309; Feb. 10.
King, George A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tack fastened button. 1,826,665;; Oct. 6.
King, George A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tack fastened stud for snap fasteners. 1,831,307; Nov. 10.
King, George, and R. Threlfall, Birmingham, England. Material for forming coatings, for use as impregnating agents or for like purposes. 1,809,755; June 9.
King, George B., Edgbaston, Birmingham, England. Gramophone. 1,788,304; Jan. 6.
King, George B., Edgbaston, Birmingham, England. Gramophone. 1,788,305; Jan. 6.
King, George B., Edgbaston, Birmingham, England. Gramophone. 1,815,777; July 21.
King, George D., Chicago, Ill., and F. J. Gough, Fort Dodge, Iowa, assignors to United States Gypsum Co., Chicago, Ill. Gypsum concrete. 1,813,452; July 7.
King, George E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor control system. 1,805,248; May 12.
King, George E., et al. (See Behle, J., King, and Blackmon, assignors.)
King, George G., assignor to King Company, Sheffield, Ala. Lamp post. 1,807,413; May 26.
King, George W. K. (See Cornner, A. F., and King.)
King, George W., et al. (See Wagner, James S., assignor.)
King, Gilbert M., Pawtucket, R. I., assignor to Seekonk Lace Company. Lace. Des. 85,290; Oct. 6.
King, Gilbert M., Pawtucket, R. I., assignor to Seekonk Lace Company. Lace. Des. 85,654; Dec. 1.
King, Graham, South Orange, and F. A. Howard, Ridgewood, N. J., assignors to Truscon Steel Company, Detroit, Mich. Section door. 1,824,277; Sept. 22.
King, Harold A., Birmingham, Mich. Valve stem. 1,810,020; June 16.
King, Harold A., Birmingham, Mich. Closure for pedal shank openings. 1,828,868; Oct. 27.
King, Harold M. (See Jehle, F., Spiller, and King.)
King, Henry C. (See Bridsall, Bert A., assignor.)
King, Homer C., Dequesne, Pa. Brake, clutch, or the like. 1,797,472; Mar. 24.
King, Horace W., Berkeley, Calif., assignor to King-Seeley Corporation, Ann Arbor, Mich. Liquid depth indicating device. 1,816,932; Aug. 4.
King, Howard E., Buffalo, assignor to American Brake Materials Corporation, New York, N. Y. Clamp. 1,821,163; Sept. 1.
King, James L., U. S. Navy, C. T. Minkler, and T. J. Gill, Newport, R. I. Air blowing exercise head for torpedoes. 1,803,530; May 5.
King, James M. (See Smith, S. H., and King.)
King, James S., and W. L. Henderson, Texarkana, Tex. Mechanical toy horse. 1,819,029; Aug. 18.
King, Jesse G. (See Schmieding, W. H. F., and King.)
King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,788,398; Jan. 13.

King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,790,237; Jan. 27.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,798,263; Mar. 31.
King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,804,624; May 12.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,805,700; May 19.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,805,701; May 19.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,810,916; June 23.
King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,814,001; July 14.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,818,139; Aug. 11.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,823,106; Sept. 15.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,825,669; Oct. 6.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,825,698; Oct. 6.
King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,825,870; Oct. 6.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,827,819; Oct. 20.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,828,776; Oct. 27.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,829,404; Oct. 27.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,829,405; Oct. 27.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,829,406; Oct. 27.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,829,407; Oct. 27.
King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,829,408; Oct. 27.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,829,410; Oct. 27.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,829,411; Oct. 27.
King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,829,412; Oct. 27.
King, Jesse G., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,831,917; Nov. 17.
King, Jesse G., and H. B. Hull, assignors, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio. Refrigerating apparatus. 1,825,801; Oct. 6.
King, Jesse G., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,837,271; Dec. 22.
King, John A. C., Lansdowne, Pa. Apparatus for testing railroad signal systems. 1,796,376; Mar. 17.
King, John A. C., Lansdowne, Pa. Railway signal apparatus. 1,796,377; Mar. 17.
King, John F., Orlando, Fla. Floor oiler. 1,795,218; Mar. 3.
King, John Kenneth, Glenwood Springs, Colo., assignor to Royal Display, Inc. Illuminated sign. 1,797,094; Mar. 17.
King, John M. (See Rogers, G. E., and King.)
King, John M., assignor to E. H. Petty, Amarillo, Tex. Cotton harvester. 1,800,145; Apr. 7.
King, John P. (See Varney, T., and King.)
King, John P., assignor to Walling & Walling, Providence, R. I. Stop motion for dressing machines. 1,793,427; Feb. 17.
King, Joseph F., Brighton, Victoria, Australia. Jogging machine. 1,823,744; Sept. 15.
King, Joseph F., assignor of one-fourth to T. M. Donahue and one-fourth to J. E. Donahue, Portland, Me. Composition for treating pulp. 1,822,779; Sept. 8.
King, Joseph J. (See Parsons, J. B., and King.)
King, Lloyd E., Berwyn, Ill. Electric protective system and apparatus therefor. 1,792,310; Feb. 10.
King, Lochiel M., Alameda, Calif. Roadway traffic guide. 1,816,379; July 28.
King, Louise, administratrix. (See King, Warren D.)
King Manufacturing Company. (See Roe, Ernest S., assignor.)
King, Marie P., et al. (See King, Charles W., assignor.)
King, Napoleon, Paincourt, Ontario, Canada. Churn. 1,788,242; Jan. 6.
King, Oliver M., Chicago, Ill. Lamp. 1,791,674; Feb. 10.
King, Otis C. F. (See Leeson, B. H., and King.)
King, Peter J., Detroit, Mich. Spherical geographical globe. 1,808,354; June 2.
King Pneumatic Tool Company. (See Butler, John M., assignor.)
King Press, Inc. (See Boorman, Edward T., assignor.)
King, Ronald T., Burlington, N. J. Automatically operated press. 1,805,367; May 12.
King-Scheerer Corporation of America, The. (See Weisenbach, Leo, assignor.)
King-Seeley Corporation. (See Bandemer, William E., assignor.)
King-Seeley Corporation. (See King, Horace W., assignor.)
King, Thomas J., jr., assignor to The Gerrard Company, Inc., Chicago, Ill. Device for supporting wire tying machines. 1,834,213; Dec. 1.
King, Thomas J., jr., Chicago, and I. H. Spoor, Berwyn, assignors to The Gerrard Company, Inc., Chicago, Ill. Wire holder. 1,834,159; Dec. 1.
King, Thomson, assignor to The Peerless Heater Company, Boyertown, Pa. Water heater. 1,793,323; Feb. 17.
King, Thomson, Pottstown, and D. G. Burkert, Boyertown, assignors to The Peerless Heater Company, Boyertown, Pa. Gas boiler. 1,808,557; June 2.
King, Walter, San Jose, Calif., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Exhaust box. 1,831,122; Nov. 10.
King, Walter E., Houson, Tex. Wall screen. 1,811,235; June 23.
King, Walter E., assignor to J. S. Abercrombie, Houston, Tex. Drilling valve. 1,793,094; Feb. 17.
King, Walter E., assignor to J. S. Abercrombie, Houston, Tex. Valve for well casings. 1,824,157; Sept. 22.
King, Walter E., and J. S. Abercrombie, Houston, Tex.; said King assignor to said Abercrombie. Blow-out preventer. 1,834,063; Dec. 1.
King, Walter G., jr., (See Fink, C. C., and King.)
King, Walter G., New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Face shield. 1,795,866; Mar. 10.
King, Walter G., and M. E. Krause, Chicago, Ill. Film reel. 1,829,095; Oct. 27.
King, Warren A. (See Trenkler, J. H., and King.)
King, Warren D., Peabody, Mass., deceased; L. King, administratrix. Thermally actuated circuit controller. 1,822,408; Sept. 8.
King, William J., East Orange, N. J., assignor to Bilmarjac Corporation, New York, N. Y. Seat indicating system. 1,821,264; Sept. 1.
King, William S., Winnetka, Ill. Illustrative chart. 1,814,251; July 14.
King, William S., and M. C. Otto, Enid, Okla. Playing die. 1,795,562; Mar. 10.
Kingdon, Kenneth H., Schenectady, N. Y., assignor to General Electric Company. Electron discharge device and fabricating the same. 1,814,711; July 14.
Kingdon, Paul K., Bayswater, Auckland, New Zealand. Wireless receiving apparatus. 1,788,025; Jan. 6.
Kinggett, William C., Oakland, Calif. Combined radio cabinet and desk. Des. 83,975; Apr. 21.
Kinghorn, William. (See Wheaton, P. T., and Kinghorn.)
Kingsbury, Charles G., San Francisco, Calif. Ladder. 1,815,316; July 21.
Kingsbury, Edward H., executor. (See Smith, Edward G.)
Kingsbury, Edward J., Evansville, Ind. Saxophone reed. 1,795,219; Mar. 3.
Kingsbury, Edwin F., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Alloy for electrical contacts. 1,832,307; Nov. 17.
Kingsbury, George P., Hollis, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 1,791,726; Feb. 10.
Kingsbury, George P., Hollis, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 1,828,419; Oct. 20.
Kingsbury, Harry T., Keene, N. H. Toy airplane. 1,830,363; Nov. 3.
Kingsbury Machine Tool Corporation. (See Anderson, John E., assignor.)
Kingsbury Machine Works, Inc. (See Howarth, Harry A. S., assignor.)
Kingsford, Russell T. (See Kent, A. A., and Kingsford.)
Kingsford, Russell T., Wyncote, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Dynamic speaker. 1,836,076; Dec. 15.
Kingsford, Russell T., Wyncote, and L. H. Davis, Upper Darby, assignors to Atwater Kent Manufacturing Company, Philadelphia, Pa. Radio tuning indicator. 1,810,355; June 16.
Kingsley, Charles B., Clairton, Pa., assignor to Mississippi Glass Company. Method and apparatus for producing sheet glass. 1,829,409; Oct. 27.
Kingsley, Henry E., Chicago, Ill. Glider. 1,827,987; Oct. 20.
Kingsley, Henry M., Indianapolis, Ind., assignor, by mesne assignments, to Automotive Development Corporation, Dover, Del. Four wheel drive vehicle construction. 1,828,841; Oct. 27.
Kingsley, Thomas A., sr. (See Gallipoli, F. P., and Kingsley, sr.)
Kingston, George, assignor to Kinston Products Corporation, Kokomo, Ind. Manifold. 1,809,242; June 9.
Kingston Products Corporation. (See Kingston, George, assignor.)

Kinkaid, John H., and S. H. Weston, assignors of one-third to R. D. Pearson, Los Angeles, Calif. Gas burner. 1,810,713; June 16.
Kinkead, Fullerton S., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph system. 1,795,652; Mar. 10.
Kinley, Henry J., et al. (See Rock, Christopher C., assignor.)
Kinman, Thomas H., Bilton, Rugby, England, assignor to General Electric Company. Amplifying system. 1,795,172; Mar. 3.
Kinnard, Isaac F., Lynnfield, Mass., assignor to General Electric Company. Interchangeable instrument case. 1,806,295; May 19.
Kinnard, Luther J., Pasadena, assignor to Consolidated Steel Corporation, Los Angeles, Calif. Elevator signal. 1,819,247; Aug. 18.
Kinnard, Luther J., Los Angeles, Calif., assignor to Westinghouse Electric & Manufacturing Company. Control cable hanger. 1,822,153; Sept. 8.
Kinnard, Luther J., Chicago, and J. Dunlop, Park Ridge, Ill., assignors, by mesne assignments, to Westinghouse Electric Elevator Company. Selenium cell door closer. 1,822,152; Sept. 8.
Kinney, Ansel M., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Compounding rubber. 1,815,778; July 21.
Kinney, Fay D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cementing machine. 1,807,663; June 2.
Kinney, Fay D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for applying pressure to shoes. 1,822,039; Sept. 8.
Kinney, Fay D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Assembling the uppers of rubber shoes. 1,825,871; Oct. 6.
Kinney, Fay D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sheet separating apparatus. 1,827,753; Oct. 20.
Kinney, Fay D., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe cementing. 1,830,114; Nov. 3.
Kinney, Fay D., Southbridge, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Foxing cementing machine. 1,833,115; Nov. 24.
Kinney, Henry, Sacramento, Calif. Manually-operated electric keyboard. 1,799,425; Apr. 7.
Kinney, Justus R., Jamaica Plain, Mass. Clutch. 1,809,976; June 16.
Kinney, Justus R., Jamaica Plain, Mass. Antiglare device for motor cars. 1,816,048; July 28.
Kinney, Norton W., assignor to Slipper City Wood Heel Company, Haverhill, Mass. Wood-heel-grooving machine. 1,790,925; Feb. 3.
Kinney, Selwyne P. (See Andrews, C. W., and Kinney.)
Kinninger, Arthur M. (See Kinninger, Carl A., assignor.)
Kinninger, Carl A., assignor of one-half to A. M. Kinninger, Dayton, Ohio. Anchor insert. 1,833,998; Dec. 1.
Kinnon, William C., Denver, Colo. Sintering machine. 1,826,792; Oct. 13.
Kinsbach, Frank, Houston, and H. M. Wheeler, Humble, Tex. Whipstock. 1,816,856; Aug. 4.
Kinsella, Edward. (See Dreyfus, H., Kinsella, Bower, and Taylor.)
Kinser, James B., Tulsa, Okla. Apparatus for making and breaking joints. 1,802,210; Apr. 21.
Kinser, William E., Quincy, Ill. Hose supporter. 1,813,453; July 7.
Kinsley, Albert E., Oneida, N. Y. Game trap. 1,820,914; Sept. 1.
Kinsley, Carl, Scarsdale, assignor, by mesne assignments, to Magnetic Analysis Corporation, Long Island City, N. Y. Method of and apparatus for magnetic testing. 1,790,819; Feb. 3.
Kinsley, Carl, Scarsdale, assignor, by mesne assignments, to Magnetic Analysis Corporation, Long Island City, N. Y. Method of and apparatus for magnetic testing. 1,813,746; July 7.
Kinsley, Felix P., St. Louis, Mo. Snow skate. 1,802,116; Apr. 21.
Kinstdunger-Patent-Verwertungs-Aktiengesellschaft. (See Larsson, Markus, assignor.)
Kinter, Charles W. (See Manion, C. H., and Kinter.)
Kintner, Alcuin E., Painesville, Ohio. Railroad track and railroad truck. 1,829,358; Oct. 27.
Kintner, Watson, Bloomfield, N. J., assignor to Westinghouse Lamp Company. Vacuum device. 1,813,577; July 7.
Kintz, Alfred G., Wallingford, assignor to International Silver Company, Meriden, Conn. Spoon or similar article. Des. 83,200; Feb. 3.
Kintz, Alfred G., Wallingford, assignor to International Silver Company, Meriden, Conn. Spoon or other article of tableware. Des. 85,245; Sept. 29.
Kintz, Robert R. (See Saarinen, E., and Kintz.)
Kintzele, Julius H., assignor to Pauly Jail Building Company, St. Louis, Mo. Retarder. 1,802,975; Apr. 28.
Kinyon, Brice W. (See Kinyon, Minnie E. and B. W.)
Kinyon, Minnie E. and B. W., South Bend, Ind. Removing printing ink from paper. 1,826,179; Oct. 6.
Kinzbach, Alfred, Sour Lake, Tex. Valve mechanism. 1,803,905; May 5.
Kinzbach, Frank, Houston, and Harve M. Wheeler, Humble, Tex. Whipstock. 1,812,880; July 7.
Kinzel, Augustus B., Beechhurst, N. Y., assignor to Electro Metallurgical Company. Nitrification. 1,808,355; June 2.
Kinzel, Augustus B., Beechhurst, N. Y., assignor to Electro Metallurgical Company. Case hardening. 1,837,272; Dec. 22.
Kinzie, Charles J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Zirconium opacifier and making same. 1,789,311; Jan. 20.
Kinzie, Phillip A. (See McClellan, L. N., Kinzie, Savage, and Day.)
Kinzler, Joseph H., Monaca, Pa. Lamp socket. 1,824,600; Sept. 22.
Kip, Frederic E., Montclair, N. J. Golf cup. 1,829,283; Oct. 27.
Kipling, Arthur W., Paris, France. Boat davit. 1,794,302; Feb. 24.
Kiplinger, Clarence G., Buffalo, assignor to National Aniline and Chemical Co., Inc., New York, N. Y. Material handling. 1,794,714; Mar. 3.
Kipp, Roy H., and W. H. Thompson, Canton, Ill., assignors to International Harvester Company. Tractor wheel fender. 1,811,054; June 23.
Kipper, Allen F., Glendale, assignor to General Water Heater Corporation, Los Angeles, Calif. Pilot control for gas burners. 1,820,461; Aug. 25.
Kipper, Herman B., Muskegon, Mich. Manufacture of sodium carbonate. 1,789,235; Jan. 13.
Kipper, Herman B., Muskegon, Mich. Wood digestion. 1,820,276; Aug. 25.
Kipperman, Mendel, Davenport, Iowa. Sanding and finishing device. 1,835,604; Dec. 8.
Kirby, Charles H., assignor to Marvel Carbureter Company, Flint, Mich. Weight-controlled air valve for carburetors. 1,798,161; Mar. 31.
Kirby, Charles H., assignor to Marvel Carbureter Company, Flint, Mich. Carburetor. 1,798,162; Mar. 31.
Kirby, Charles H., assignor to Marvel Carbureter Company, Flint, Mich. Carburetion system. 1,828,899; Oct. 27.
Kirby, Charles H., assignor to Marvel Carbureter Company, Flint, Mich. Carburetor. 1,830,877; Nov. 10.
Kirby, Charles H., and F. Purdy, assignors to Marvel Carbureter Company, Flint, Mich. Carburetor. 1,787,534; Jan. 6.
Kirby, James B., West Richfield, Ohio. Clothes washing machine. Re18,280; Dec. 8.
Kirby, James B., West Richfield, Ohio. Suction cleaner. 1,806,168; May 19.
Kirby, James B., West Richfield, Ohio. Screw retainer. 1,816,591; July 28.
Kirby, James B., West Richfield, Ohio. Clothes washing machine. 1,834,492; Dec. 1.
Kirby, Joseph, Newark, N. J., assignor to Westinghouse Lamp Company. Automatic grid winding machine. 1,835,114; Dec. 8.
Kirby, Thomas L., Old Hickory, Tenn. Filter for viscose solutions. 1,811,795; June 23.
Kirby, Wilfred. (See Nasmith, J. I., and Kirby.)
Kirby, William F. (See Goughnour, Walter B., assignor.)
Kircher, Ralph N., assignor to West Bend Aluminum Company, West Bend, Wis. Silk winding cone. 1,839,184; Dec. 29.
Kirchhofer, Arnold, Hudson, N. Y. Book-cover-making machine. 1,794,521; Mar. 3.
Kirchhoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Conveyer and baller. 1,807,295; May 26.
Kirchhoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Dough molder. 1,810,139; June 16.
Kirchhoff, William G., assignor of one-half to The J. H. Day Company, Cincinnati, Ohio, and one-half to Thomson Machine Company, Belleville, N. J. Adjustable guide for dough molders. 1,828,049; Oct. 20.
Kirchhoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Sifter structure. 1,829,707; Oct. 27.
Kirchner, Ernst A., Minneapolis, Minn. Scarfpin safety clutch and point protector. 1,828,420; Oct. 20.
Kirchner, Ulrich, Biberach-on-the-Riss, and Gerald Strecker, Darmstadt, Germany. Cylinder paper mill. 1,793,230; Feb. 17.
Kircoaf, Charles H. (See Schilling, F., and Kircoaf.)
Kirgan, John, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Centrifugal pump. 1,813,747; July 7.
Kirgan, John, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Centrifugal pump. 1,823,455; Sept. 15.
Kirgan, John, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Condenser. 1,831,454; Nov. 10.
Kirgan, John, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Condenser. 1,832,637; Nov. 17.
Kirgan, John, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Condensing system. 1,834,953; Dec. 8.
Kirgan, John F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. By-pass condenser. 1,833,611; Nov. 24.

Kirk & Blum Manufacturing Company, The. (See Jackson, George L., assignor.)
Kirk & Blum Manufacturing Company, The. (See Kirk, Sylvester W., assignor.)
Kirk, Morris P., Los Angeles, Calif. Illuminated sign. 1,809,243; June 9.
Kirk, Raphael S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Gum-strip-removing device. 1,800,182; Apr. 7.
Kirk, Sylvester W., assignor to The Kirk & Blum Manufacturing Company, Cincinnati, Ohio. Dust collector. 1,792,590; Feb. 17.
Kirkaldy, Alexander, assignor to Electro Anti-Corrosion Corporation, New York, N. Y. Electrolytic protective means for boilers. 1,796,715; Mar. 17.
Kirkaldy, Alexander, Yorktown Heights, assignor to Electro Anti-Corrosion Corporation, New York, N. Y. Electrolytic system for the protection of condensers. 1,816,487; July 28.
Kirkbride, Edmund, Camden, assignor of one-half to S. C. Loveland, Hammonton, N. J. Spool device for type ribbon material. 1,819,712; Aug. 18.
Kirkbride, Walter H., San Francisco, Calif. Railway-track construction. 1,800,453; Apr. 14.
Kirke, Wallace B. (See de Bellis, A. M., and Kirke.)
Kirkham, Charles B., Garden City, assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Engine starting device for aeroplanes. 1,816,976; Aug. 4.
Kirkland, Albert W., Fitzgerald, assignor to Atlanta, Birmingham and Coast Railroad Company, Atlanta, Ga. Device for destroying weeds and vegetation along right-of-way of railroads. 1,832,030; Nov. 17.
Kirkland, Archibald D. (See Burns, W. G., and Kirkland.)
Kirkland, Harold R., South Orange, N. J. Annunciator or similar article. Des. 85,048; Sept. 8.
Kirkland, Sanford H., assignor. (See Mays, H., and Kirkland.)
Kirkpatrick, Daniel W. (See Metzger, R., and Kirkpatrick.)
Kirkpatrick, John, Clarksburg, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Drinking glass. Des. 85,246; Sept. 29.
Kirkpatrick, John G. (See Hotchner, F., and Slater, assignors.)
Kirkpatrick, Leighton H., Walsenburg, Colo. Computing gasoline gauge. 1,820,025; Aug. 25.
Kirkpatrick, Marie A., Grand Rapids, assignor to Falcon Manufacturing Co., Big Rapids, Mich. Saxon wheel table. Des. 85,755; Dec. 15.
Kirkpatrick, Matthew C., Rock Hill, S. C. Harness retractor for looms. 1,815,847; July 21.
Kirkpatrick, Willis B., Hartsdale, N. Y. Measuring and filling apparatus for ice cans. 1,795,431; Mar. 10.
Kirkwood, Maclean. (See Gannett, D. K., and Kirkwood.)
Kirsch, Charles W., Sturgis, Mich. Cornice curtain pole. Des. 83,047; Jan. 13.
Kirsch, Charles W., Sturgis, Mich. Cornice curtain pole. Des. 83,406; Feb. 17.
Kirsch, Charles W., assignor, by mesne assignments, to Kirsch Company, Sturgis, Mich. Curtain pole and bracket therefor. 1,812,881; July 7.
Kirsch, Charles W., assignor to Kirsch Company, Sturgis, Mich. Coupling or splicing devices for curtain poles and ornaments therefor. 1,829,147; Oct. 27.
Kirsch, Charles W., assignor to Kirsch Company, Sturgis, Mich. Drapery fixture. 1,831,123; Nov. 10.
Kirsch, Charles W., assignor, by mesne assignments, to Kirsch Company, Sturgis, Mich. Drapery with detachable suspension devices. 1,832,031; Nov. 17.
Kirsch, Charles W., and A. A. Allen, assignors to Kirsch Company, Sturgis, Mich. Machine for embossing curtain-pole rings. 1,800,350; Apr. 14.
Kirsch, Charles W., and A. A. Allen, assignors to Kirsch Company, Sturgis, Mich. Curtain-pole-embossing machine. 1,800,351; Apr. 14.
Kirsch Company. (See Kirsch, Charles W., assignor.)
Kirsch Company. (See Kirsch, C. W., and Allen, assignors.)
Kirsch, Henry. (See Boyd, B. K., and Kirsch.)
Kirsch, Michael, Milwaukee, Wis. Extracting air from water. 1,822,659; Sept. 8.
Kirschbraun, Lester, Chicago, Ill. Apparatus and process of generating power. 1,804,561; May 12.
Kirschbraun, Lester, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating hydrocarbons. 1,791,566; Feb. 10.
Kirschbraun, Lester, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for cracking oil. 1,805,628; May 19.
Kirschbraun, Lester, assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbons. 1,824,215; Sept. 22.
Kirschbraun, Lester, Leonia, N. J., assignor to The Flintkote Company, Boston, Mass. Water-resistant coating and producing the same. 1,794,522; Mar. 3.
Kirschbraun, Lester, Leonia, N. J., assignor to The Flintkote Company, Boston, Mass. Making paper. 1,802,561; Apr. 28.
Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to Raybestos-Manhattan, Inc. Making asbestos friction elements. 1,810,714; June 16.
Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Mechanism for cutting sheet material. 1,812,654; June 30.
Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Roofing and making same. 1,821,552; Sept. 1.
Kirschbraun, Lester, Leonia, N. J., assignor to The Flintkote Company, Boston, Mass. Waterproof paper and making same. 1,827,700; Oct. 13.
Kirschbraun, Lester, Leonia, N. J., assignor to The Flintkote Company, Boston, Mass. Waterproof felted sheet. 1,827,701; Oct. 13.
Kirschbraun, Lester, Leonia, N. J., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for converting hydrocarbon oils. 1,832,985: Nov. 24.
Kirschbraun, Lester, Leonia, N. J., assignor to Universal Oil Products Company, Chicago, Ill. Cracking petroleum oil. 1,832,986; Nov. 24.
Kirschbraun, Lester, Leonia, N. J., assignor to The Flintkote Company, Boston, Mass. Bituminous emulsions and method of producing same. 1,832,987; Nov. 24.
Kirschbraun, Lester, Leonia, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method of and apparatus for making strip shingles. 1,834,954; Dec. 8.
Kirschbraun, Lester, Leonia, N. J., and F. C. Overbury, Pasadena, Calif., assignors to The Flintkote Company, Boston, Mass. Apparatus for making aqueous bituminous emulsions. 1,804,562; May 12.
Kirschbraun, Lester, Leonia, N. J., and O. A. Heppes, La Grange, Ill., assignors, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Roofing shingle and making same. 1,807,918; June 2.
Kirschbraun, Lester, Leonia, and F. C. Overbury, Hillsdale, N. J., said Overbury assignor of his entire right to The Flintkote Company, Boston, Mass. Process of making aqueous bituminous emulsions. 1,829,722; Oct. 27.
Kirschenbaum, Isaac, Middletown, Pa. Coat. 1,804,346; May 5.
Kirschner, Harry N., Brooklyn, N. Y. Cap or similar article. Des. 83,403; Feb. 17.
Kirschstein, Morris. (See Miller, Eseck C., assignor.)
Kirschstein, Morris. (See Oskow, Louis, assignor.)
Kirschstein, Morris, et al. (See Felshin, Judah B., assignor.)
Kirsebom, Gustaf N., Brooklyn, N. Y. Reduction of metallic compounds and production of arsenates. 1,827,754; Oct. 20.
Kirsebom, Gustaf N., Gottenborg, Sweden. Treatment of cadmium bearing material. 1,827,755; Oct. 20.
Kirsebom, Gustaf N., Trollhattan, Sweden. Treatment of metals and/or their compounds. 1,827,820; Oct. 20.
Kirsebom, Gustaf N., Trollhattan, Sweden. Reduction of metal compounds. 1,827,821; Oct. 20.
Kirshner, Nathanial M., Los Angeles, Calif. Miniature book novelty. 1,838,489; Dec. 29.
Kirstatter, Frank A., Akron, Ohio. Carburetor. 1,813,406; July 7.
Kirsten-Boeing Engineering Co., The. (See Kirsten, Kurt F. J., assignor.)
Kirsten, Kurt F. J., assignor to The Kirsten-Boeing Engineering Co., Seattle, Wash. Power transmitting mechanism. 1,835,406; Dec. 8.
Kirton, Herbert M., Hawksburn, Melbourne, Victoria, Australia. Locking device for the steering mechanism of automobiles. 1,790,427; Jan. 27.
Kirton, Thomas A., Jacksonville, Fla. Highway marker. 1,837,127; Dec. 15.
Kis, John, Racine, Wis. Universal machine head. 1,834,716; Dec. 1.
Kisby, Charles O., Morganville, assignor of one-third to J. H. Griffin, Clay Center, Kans. Baling press. 1,827,024; Oct. 13.
Kise, William K., Kansas City, Mo., assignor to G. C. Hardin, Fort Smith, Ark. Electric heater for water bottles. 1,834,160; Dec. 1.
Kishell, Michael A., Dickson City, Pa. Grass-cutting device. 1,800,081; Apr. 7.
Kishida, Kinsuke, Wakayamashi, Japan. Manufacturing glass bottles with patterns. 1,802,431; Apr. 28.
Kishline, Floyd F. (See Sanger, H. G., and Kishline.)
Kisinger, John T. T., Stilwell, Kans. Harrow tooth. 1,802,385; Apr. 28.
Kislyn Corporation. (See Berthon, Rodolphe, assignor.)
Kislyn Corporation. (See Brosse, Paul, assignor.)
Kiss, Béla, New York, N. Y. Stabilizing device for aircraft. 1,826,938; Oct. 13.
Kissell, Robert. (See Browne, W. A., and Kissel.)
Kissendorfer, Karl, assignor to Mauser-Wodke Aktiengesellschaft, Oberndorf-on-the-Neckar, Germany. Caliper. 1,810,427; June 16.
Kissinger, Charles V., Tulsa, assignor of twenty per cent to R. J. Barritt and twenty per cent to A. S. Sands, Pawhuska, and twenty per cent to L. V. Young, Tulsa, Okla. Record-handling mechanism for phonographs. 1,800,645; Apr. 14.
Kissling, Albert. (See Wagner, H., Kissling, Hotz, and Fitzky.)
Kissmer, J. E., et al. (See King, Charles W., assignor.)
Kistner, Merrill M., Indianapolis, Ind. Wringer. 1,822,299; Sept. 8.

Kitcat, Lewis G., London, England. Removable book cover. 1,812,594; June 30.
Kitchen, Francis A., Kansas City, Mo. Heating and ventilating and apparatus used therefor. 1,832,638; Nov. 17.
Kitchen Katch-All Corporation, The. (See Kaplan, Louis J., assignor.)
Kitendaugh, Eugene F. (See Harper, C. C., and Kitendaugh.)
Kitson Company. (See Lovekin, Luther D., assignor.)
Kittay, Paul, Vienna, Austria. Grinding mills. 1,820,462; Aug. 25.
Kittle, Gunnar W., Chicago, Ill. Safety razor. 1,790,546; Jan. 27.
Kittredge, Linus E. (See Carpenter, W. W., Dahl, Davis, and Kittredge.)
Kittredge, Linus E., Brooklyn, and L. A. Dorff, New York, N. Y., assignors to American Telephone and Telegraph Company. Time recording. 1,823,944; Sept. 22.
Kittredge, Rufus W., Chicago, Ill. Picture projecting machine cabinet. 1,829,359; Oct. 27.
Kittrell, Francis W. (See Adams, E. W., and Kittrell.)
Kitts, Harry R., and C. K. Bong, Green Bay, Wis. Paper clamp. 1,838,410; Dec. 29.
Kitzmiller, Charles A., Oakland, Calif. Portable equipment for coursing parks. 1,787,631; Jan. 6.
Kitzmiller, Charles A., Oakland, Calif. Slipping box for hounds. 1,829,224; Oct. 27.
Kivari, Arthur M., Los Angeles, Calif., assignor, by mesne assignments, to The Door Company, New York, N. Y. Rotary drum screen. 1,828,469; Oct. 20.
Kivley, Ray C., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for treating articles with a medium under pressure. 1,788,527; Jan. 13.
Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co. Inc. Lamp base or article of analogous nature. Des. 83,976; Apr. 21.
Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co. Inc. Lamp base or article of analogous nature. Des. 83,977; Apr. 21.
Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co. Inc. Lamp base or article of analogous nature. Des. 83,978; Apr. 21.
Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co. Inc. Combined ash tray and lamp base or article of analogous nature. Des. 83,979; Apr. 21.
Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co., Inc. Lamp base or article of analogous nature. Des. 84,087; May 5.
Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co., Inc. Base for clocks, lamps, or articles of analogous nature. Des. 84,088; May 5.
Kiwad, Michael, New York, N. Y., assignor to LaBelle Specialty Co., Inc. Lamp base or article of analogous nature. Des. 84,248; May 26.
Kiwad, Michael, New York, N. Y., assignor to La Belle Specialty Co., Inc. Lamp base or article of analogous nature. Des. 84,422; June 16.
Kiwull, Wold., Riga, Latvia. Aircraft landing and releasing apparatus. 1,811,321; June 23.
Kiwull, Woldemar, Riga, Latvia. Device for taking up and setting down floating bodies, particularly aircraft, on or from platforms such as ships or landing stages. 1,828,251; Oct. 20.
Kjellgren, Bengt. (See Sawyer, C. B., and Kjellgren.)
Kjellstrom, John H., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Spool end and applying same. 1,836,974; Dec. 15.
Kjerp, Erik, Pontiac, Mich. Front wheel drive. 1,802,562; Apr. 28.
Kjolseth, Ole K., Erie Pa., assignor to General Electric Company. Spring suspension system. 1,812,793; June 30.
Kjörstad, Erik A. H. (See Dahl, O., and Kjörstad.)
Kjörstad, Erik A. H., La Rochelle, France. Apparatus for the preparation of cooling brine. 1,791,032; Feb. 3.
Klachlo, Abraham W. (See Kuplan, Abraham, assignor.)
Kladivko, Hugo, jr., Buffalo, assignor to National Aniline & Chemical Company, New York, N. Y. Process of making 4,4'-tetraethyldiaminodiphenylmethane. 1,803,331; May 5.
Klaff, Louis, Brooklyn, assignor, by mesne assignments, to American Air Filter Company, Inc., New York, N. Y. Air filter. 1,794,115; Feb. 24.
Klages, G. W., & Son, Inc. (See Klages, Norman H., assignor.)
Klages, Norman H., Pittsburgh, Pa., assignor to G. W. Klages & Son, Inc. Reciprocating machine bed. 1,811,508; June 23.
Klahre, Theodore, Union City, N. J., assignor to Consolidated Trimming Corp., New York, N. Y. Bullion-fringe loom apparatus. 1,797,473; Mar. 24.
Klaisler, Andrew J. (See Berry, Robert C., assignor.)
Klamt, Emal, Howells, Nebr. Combined pliers and wrench. 1,817,988; Aug. 11.
Klar, Ernst, Berlin, Germany, assignor, by mesne assignments, to United Reproducers Patents Corporation. Electrostatical vibration structure. 1,813,855; July 7.
Klarer, Joseph and F. Mietzsch, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Preparing amino compounds. 1,793,176; Feb. 17.
Klatt, Joseph F., Portland, Oreg. Threader. 1,787,867; Jan. 6.
Klatt, Joseph F., Portland, Oreg. Sewing kit. 1,794,776; Mar. 3.
Klaudt, Martha, Dolton, S. Dak. Chick trainer. 1,787,535; Jan. 6.
Klaus, Charles E., Wilkinsburg, Pa. Fountain pen. 1,797,425; Mar. 24.
Klaus, Fred R., and E. M. Ray, assignors to The American Welding & Mfg. Company, Warren, Ohio. Dual-wheel construction. 1,791,033; Feb. 3.
Klaus, Fred R., Warren, and G. W. Seiberling, Akron; said Klaus assignor to The American Welding & Manufacturing Company, Warren, and said Seiberling assignor to The Lambert Tire & Rubber Company, Akron, Ohio. Wheel and rim structure. 1,791,466; Feb. 3.
Klaus, Fred R., Warren, and G. W. Seiberling, Akron, assignors to The American Welding & Manufacturing Company, Warren, Ohio. Dual wheel. 1,816,380; July 28.
Klaus, Oscar, Pittsburgh, Pa. Toy. 1,835,786; Dec. 8.
Klaus, Roy W. (See Holland, I. L., and Klaus.)
Klausmann, Harry, Maplewood, and H. R. Kiepe, Newark, N. J., assignors to Baker & Company, Inc. Alloy. 1,797,236; Mar. 24.
Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio. Index for machine tools. 1,788,163; Jan. 6.
Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Power traverse for radial drill heads. 1,788,918; Jan. 13.
Klausmeyer, David M., assignor to General Motors Corporation, Detroit, Mich. Automobile body. 1,812,487; June 30.
Klausner, Siegfried, Vienna, Austria, A. Eichengrün, Charlottenburg, and R. Röhm, Troisdorf, near Cologne, Germany. Opaque washable playing card and method of manufacturing same. 1,811,322; June 23.
Klebe, Erich O., Minneapolis, Minn. Shotgun. 1,834,544; Dec. 1.
Klecak, Joseph, Islip, N. Y. Match-book holder. 1,794,303; Feb. 24.
Klee, Joseph, and A. Schneider, Munich, Germany. Lifting jack. 1,833,082; Nov. 24.
Kleebauer, Charles P., Cohoes, and R. M. Lackey, Waterford, N. Y. Carry bag. 1,806,761; May 26.
Kleenglas (1929) Limited. (See Griffiths, Alfred, assignor.)
Klees, Albert L., assignor to Combustion Utilities Corporation, New York, N. Y. House heating system. 1,819,560; Aug. 18.
Klees, Albert L., assignor to Combustion Utilities Corporation, New York, N. Y. Apparatus for burning liquid fuel. 1,822,844; Sept. 8.
Klees, Albert L., Long Beach, and B. Greenfield, Jackson Heights, N. Y., assignors to Surface Combustion Corporation, Toledo, Ohio. Pressure regulator and cut-off. 1,800,352; Apr. 14.
Klees, Albert L., Long Beach, and B. Greenfield, Jackson Heights, N. Y., assignors to Surface Combustion Corporation, Toledo, Ohio. Fluid flow regulating mechanism. 1,814,812; July 14.
Klees, Albert L., Long Beach, and B. Greenfield, Jackson Heights, N. Y., assignors to Surface Combustion Corporation, Toledo, Ohio. Fluid flow regulating apparatus. 1,814,834; July 14.
Klees, Albert L., Long Beach, and B. Greenfield, Jackson Heights, N. Y., assignors to Surface Combustion Corporation, Toledo, Ohio. Fluid flow regulating apparatus. 1,814,935; July 14.
Kleffman, John, Hibbing, Minn. Trap. 1,798,541; Mar. 31.
Kleffman, John, Hibbing, Minn. Snare. 1,802,918; Apr. 28.
Klein, Albert, Bronx, N. Y. Ash tray or the like. Des. 84,584; July 7.
Klein, Albert E., New York, N. Y. Hot water heating system. 1,807,481; May 26.
Klein, Blanche, Gettysburg, S. Dak. Heat distributor for floor registers. 1,835,953; Dec. 8.
Klein, Carl E., Willow Grove, Pa. Counterbalance for stove doors. 1,815,848; July 21.
Klein, Charles H., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire support. 1,813,933; July 14.
Klein, Emanuel, Cincinnati, Ohio, and T. Schoener, Fort Thomas, Ky. Ophthalmic lens. 1,801,926; Apr. 21.
Klein, Eugene. (See Distler, O., and Klein.)
Klein, Frederick, College Point, assignor to Warp Twisting-In Machine Company, Brooklyn, N. Y. Mechanism for knotting together strands. 1,815,849; July 21.
Klein, Frederick, College Point, and F. Walsleben, Oceanside, assignors to Warp Twisting-In Machine Company, Brooklyn, N. Y. Mechanism for knotting together threads. 1,825,872; Oct. 6.
Klein, Gerhard A., Los Angeles, Calif. Combination advertising and memento device. 1,830,029; Nov. 3.
Klein, Gerhard A., Los Angeles, Calif. Memento chart. 1,830,030; Nov. 3.
Klein, Gerhard A., Los Angeles, Calif. Device for displaying interchangeable advertisements. 1,830,031; Nov. 3.
Klein, Henry, and Company. (See Prevost, Sterrett R., assignor.)
Klein, Herman, Chicago, Ill. Utensil support. 1,819,713; Aug. 18.
Klein, Hermann, assignor to Klein, Weiner & Bell, Milwaukee, Wis., a Firm. Machine for washing rugs and the like. 1,813,297; July 7.

Klein, Joseph W., assignor to The Electric Signal Company, Limited, Los Angeles, Calif. Chime. 1,813,171; July 7.
Klein, Karl, St. Louis, Mo. Sewing machine. 1,828,115; Oct. 20.
Klein, Karl, St. Louis, Mo. Cap. 1,831,767; Nov. 10.
Klein, Leo, Detroit, Mich. Underground antenna. 1,837,778; Dec. 22.
Klein, Max. (See Distler, O., and Klein.)
Klein, Otto G., Barron, Wis. Clinker tongs. 1,820,463; Aug. 25.
Klein, Paul. (See Gábor, F., Klein, and Szegvári.)
Klein, Paul, Budapest, Hungary, assignor to American Anode Inc., Akron, Ohio. Drying products produced from aqueous dispersions of organic substances particularly of caoutchouc or caoutchouc like substances by agglomeration upon a base. 1,825,737; Oct. 6.
Klein, Paul, Budapest, Hungary, and A. Szegvari, Akron, Ohio, assignors, by mesne assignments, to American Anode Inc. Production of rubber goods directly from latex. 1,825,736; Oct. 6.
Klein, Paul, and F. Gábor, Budapest, Hungary, assignors, by mesne assignments, to American Anode Inc. Producing dipped goods from organic dispersions. 1,825,738; Oct. 6.
Klein, Paul M., Cedarhurst, N. Y. Heat generator. 1,815,317; July 21.
Klein, Paul M., Cedarhurst, N. Y. Oil heater. 1,819,181; Aug. 18.
Klein, Rudolf, assignor to the Firm of Sulzer Frères Société Anonyme, Winterthur, Switzerland. Water tube steam generator. 1,831,417; Nov. 10.
Klein, Rudolf, Winterthur, Switzerland, assignor to the Firm Sulzer Frères, Société Anonyme, Winterthur. High pressure steam generator. 1,834,282; Dec. 1.
Klein, Samuel. (See Behrman, Marcus B., assignor.)
Klein, Samuel, New York, and D. R. Kasanof, Brooklyn, N. Y.; said Kasanof assignor to said Klein. Tag-securing means. 1,789,236; Jan. 13.
Klein, Walter F., assignor to Snap-On Wrench Company, Milwaukee, Wis. Socket connection. 1,790,238; Jan. 27.
Klein, Walter F., assignor to Snap-on Wrench Company, Milwaukee, Wis. Ratchet wrench. 1,827,202; Oct. 13.
Klein, Weiner & Bell. (See Klein, Hermann, assignor.)
Klein, William C., Allentown, Pa. Antifriction roller-bearing free wheel. 1,802,259; Apr. 21.
Klein, William C., Allentown, Pa. Roller bearing free wheel drive. 1,810,834; June 16.
Klein, William C., Allentown, Pa. Direct drive for antifriction roller bearing free wheels. 1,813,856; July 7.
Klein, William C., Allentown, Pa. Roller bearing differential wheel. 1,834,847; Dec. 1.
Kleinberg, Samuel, New York, N. Y. Bag holder. 1,832,561; Nov. 17.
Kleine, Charles, Kingston, N. Y. Hair waving apparatus. 1,809,977; June 16.
Kleineberg, Paul E., Brewster, assignor to American Assembling Machine Company, New York, N. Y. Book covering machine. 1,811,201; June 23.
Kleineberg, Paul E., Brewster, assignor to American Assembling Machine Company, New York, N. Y. Book-covering machine. 1,819,030; Aug. 18.
Kleiner, William C. (See Bluhm, Frank J. C., assignor.)
Kleinert, I. B., Rubber Company. (See Guinzburg, Victor, assignor.)
Kleinert, I. B., Rubber Company. (See Mergentime, Charles B., assignor.)
Kleinewefers, Joh., Söhne. (See Kleinewefers, Johannes, assignor.)
Kleinewefers, Johannes, Krefeld, Germany. Calender with roll magazine. 1,818,628; Aug. 11.
Kleinewefers, Johannes, assignor to the Firm: Joh. Kleinewefers Söhne, Krefeld, Germany. Hydraulic leather, fabric, or paper rolling machine. 1,808,356; June 2.
Kleinhans, Francis J., and H. A. Brandt, Buffalo, assignors to Arco Vacuum Corporation, New York, N. Y. Refrigerating apparatus. 1,791,964; Feb. 10.
Kleinknecht, George M., Fort Lee, N. J. Reversible casement frame. 1,806,467; May 19.
Kleinman, Jacob L., New York, N. Y. Tennis racket. 1,790,156; Jan. 27.
Kleinman, Jacob L., New York, N. Y. Sliding and swinging window. 1,808,043; June 2.
Kleinman, Jacob L., New York, N. Y. Tennis racket. 1,823,107; Sept. 15.
Kleinmann, Ernst. (See Mendel, A., and Kleinmann.)
Kleinschmidt, Edward E. (See Morton, S., Krum, and Kleinschmidt.)
Kleinschmidt, Edward E., Evanston, assignor to Teletype Corporation, Chicago, Ill. Signaling system and apparatus therefor. 1,793,700; Feb. 24.
Kleinschmidt, Edward E., assignor to Teletype Corporation, Chicago, Ill. Storage transmitter. 1,810,107; June 16.
Kleinschmidt, Edward E., Long Island City, N. Y., assignor, by mesne assignments, to Teletype Corporation, Chicago, Ill. Selective system and apparatus. 1,811,131; June 23.
Kleinschmidt, Edward E., assignor to Teletype Corporation, Chicago, Ill. Selective system and apparatus therefor. 1,811,132; June 23.
Kleinschmidt, Edward E., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph. 1,811,133; June 23.
Kleinschmidt, Edward E., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph. 1,811,134; June 23.
Kleinschmidt, Edward E., assignor to Teletype Corporation, Chicago, Ill. Printing telegraphs. 1,821,164; Sept. 1.
Kleinschmidt, Edward E., assignor to Teletype Corporation, Chicago, Ill. Selective signaling and apparatus. 1,821,165; Sept. 1.
Kleinschmit, Oscar, assignor to Gebrüder Brehmer Maschinen-fabrik, Leipzig-Plagnitz, Germany. Paper folding machine. 1,827,589; Oct. 13.
Kleinschmit, Oscar, assignor to Gebruder Brehmer, Maschinen-fabrik, Leipzig-Plagwitz, Germany. Paper folding and wire stitching machine. 1,837,910; Dec. 22.
Kleinschmit, Oscar, M. Apitzsch, and E. Felsch, assignors to Gebrüder Grehmer Maschinen-fabrik, Leipzig-Plagwitz, Germany. Paper folding machine. 1,832,988; Nov. 24.
Kleinsmith, Frederick, Indianapolis, Ind. Automobile license tag holder. 1,816,289; July 28.
Kleist, Edward, Portland, Oreg. Protective cover for the mouths of bottles. 1,820,144; Aug. 25.
Kleist, Herman W., assignor to Dole Refrigerating and Machine Company, Chicago, Ill. Refrigerating apparatus. 1,824,158; Sept. 22.
Kleitz, William, Albany, N. Y. Concrete molding apparatus. 1,830,397; Nov. 3.
Klemann, Charles, Palmyra, and E. F. Patton, Berlin, N. J. Electric-wire-cord coiler. 1,800,542; Apr. 14.
Klemenc, Alfons, and R. Schoeller, Vienna, Austria, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of urea. 1,808,465; June 2.
Klemm, Edwin O., Saginaw, Mich. Settee with reading and writing attachments. Des. 84,147; May 12.
Klemm, Edwin O., and N. L. Pollard, Saginaw, Mich. Combined lamp, chair, and cabinet furniture unit. Des. 83,452; Feb. 24.
Klemm, Edwin O., and K. R. Otto, Saginaw, Mich. Combined student's chair and lamp. Des. 83,259; Feb. 10.
Klemm, Edwin O., and K. R. Otto, Saginaw, Mich. Reading chair. Des. 84,152; May 12.
Klemm, Emil R., jr. (See Klemm, Emil R., assignor.)
Klemm, Emil R., assignor, by mesne assignments, to Emil R. Klemm, jr., Chicago, Ill. Engine governor. 1,817,629; Aug. 4.
Klemme, Alvin H. L., assignor to Eagle Foundry Company, Belleville, Ill. Gas stove. 1,820,277; Aug. 25.
Klempp, Gustave, Glenwood, Iowa. Rolling pin. 1,810,050; June 16.
Klempt, Walter. (See Gluud, W., Keller, Schönfelder, and Klempt.)
Klencke, Hans, Frankfort-on-the-Main, Germany. Device for roasting sulphur-containing substances, especially metal sulphides containing ores. 1,788,767; Jan. 13.
Klencke, Hans, Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Treatment of gases arising from the heating of sulphide ores and the like. 1,836,176; Dec. 15.
Klepac, Joseph. (See Campbell, G. G., and Klepac.)
Klepetko, Ernest, Anaconda, Mont. Recovery of volatile metals. 1,836,975, Dec. 15.
Kleppe, Herman J., Norway, Iowa. Radius rod construction. 1,836,376; Dec. 15.
Kleucker, George M., St. Louis, Mo. Refrigerating plant. 1,829,865; Nov. 3.
Klevstad, Edward, Grand Rapids, Mich. Ice skate. 1,789,182; Jan. 13.
Kliefoth, Max, assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Machine and making wall board. 1,829,802; Nov. 3.
Kliefoth, Max H., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Method of and apparatus for making multiply paper. 1,818,716; Aug. 11.
Kliegl Bros. Universal Electric Stage Lighting Co. (See Kliegl, Herbert A., assignor.)
Kliegl Bros. Universal Electric Stage Lighting Co., Inc. (See Kliegl, John H., assignor.)
Kliegl, Herbert A., assignor to Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y. Music stand. 1,818,717; Aug. 11.
Kliegl, Herbert A., assignor to Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y. Synchronous control of color screens. 1,818,718; Aug. 11.
Kliegl, John H., assignor to Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y. Theater light. 1,789,103; Jan. 13.
Kliegl, John H., assignor to Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y. Plug switch. 1,794,777; Mar. 3.
Kliem, Charles, Hillside, assignor to Shinan Mfg. Co. Inc., Newark, N. J. Extensible joint and fastener construction for bracelets. 1,801,963; Apr. 21.
Kliesch, Max. (See Koch, J., and Kliesch.)
Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)
Kliewer, Edward A., Ranger, Tex. Automatic back twist tool for wire lines. 1,818,260; Aug. 11.
Klim, Fred, Morristown, N. J. Window. 1,837,972; Dec. 22.
Klimek, Joseph, El Verta, Calif. Feather valve for gas compressors. 1,799,103; Mar. 31.
Klimis, Apostolos, Baltimore, Md., assignor to The Klimis Auto-Photographic Machine Company, Incorporated. Automatic photographic apparatus. 1,816,290; July 28.
Klimis Auto-Photographic Machine Company, The. (See Klimis, Apostolos, assignor.)

Klin, John R., assignor to The Rike Folding Box Company, Dayton, Ohio. Provision box. 1,813,298; July 7.
Klin, Urban A., Valparaiso, Ind. Gold club head. Des. 84,525; June 30.
Kline, Edward C., Streator, Ill. Boiler. 1,829,148; Oct. 27.
Kline, Elmer V., et al. (See Weiss, Albert F., assignor.)
Kline, Elmer V., University City, assignor to Victor Pharmacal Company, Inc., St. Louis, Mo. Bottle or similar container. Des. 85,336; Oct. 13.
Kline, George P., assignor to Williams, White & Co., Moline, Ill. Rim-forming machine and forming rims. 1,816,117; July 28.
Kline, Halsey W., Schenectady, N. Y., assignor to General Electric Company. Course finding system for aircraft. 1,827,590; Oct. 13.
Kline, Harry L., assignor of fifteen one-hundredths to J. S. Kimball, Glenn Dale, Md. Internal combustion engine. 1,832,562; Nov. 17.
Kline, Herman C., Springfield, Mass. Dust collector. 1,788,306; Jan. 6.
Kline, James F., Amarillo, Tex. Flying top. 1,802,386; Apr. 28.
Kline, Joseph, and F. E. Hipkins, San Diego, Calif. Fishing rod apparatus. 1,835,310; Dec. 8.
Kline, Max, Bronx, N. Y. Compact or the like. Des. 83,048; Jan. 13.
Kline, Max, Bronx, and Max Kaplan, New York, N. Y., assignors to Superior Products Corporation, Elizabeth, N. J. Vanity case. 1,804,563; May 12.
Kline, Max, New York, N. Y. Atomizer. 1,808,662; June 2.
Kline, Morris, Cleveland Heights, Ohio. Envelope file or the like. 1,794,180; Feb. 24.
Kline, Robert, East Cleveland, Ohio. Vacuum-cleaner nozzle. 1,791,760; Feb. 10.
Kline, Walter A., Middletown, Ill., assignor to The A-R Products Corporation, Akron, Ohio. Inner tube for pneumatic tires. 1,791,214; Feb. 3.
Kling, Berdien, Dunn Center, N. Dak. Door operating mechanism. 1,811,015; June 23.
Kling, Emelia M. (See Jakobson, Thomas P., assignor.)
Kling, Fred E. (See Baugh, H. J., and Kling.)
Klingaman, Herman, Louisville, Ohio. Airplane. 1,799,910; Apr. 7.
Klingel, Edward L., West St. Paul, Minn. Ground clamp. 1,830,947; Nov. 10.
Klingenberg, Wilhelm, assignor to Lamella Roof Syndicate Inc., New York, N. Y. Space covering structure, such as roofs, walls, and the like. 1,823,945; Sept. 22.
Klinger, F. W., & Langbein Co. (See Benedict, E. B., and Langbein, assignors.)
Klinger, Harry W., assignor to Hercules Powder Company, Wilmington, Del. Viscosimeter. 1,793,807; Feb. 24.
Klinger, Ira C., Elkhart, Ind. Self clearing rake. 1,826,793; Oct. 13.
Klinger, Johann R., Nord-Bohmen, Czechoslovakia. Construction of ships, boats, and the like. 1,822,223; Sept. 8.
Klinger, Karl, Gumpoldskirchen, Austria. Stop-cock. 1,817,258; Aug. 4.
Klinger, Max, Brooklyn, N. Y. Dental floss holder. 1,792,429; Feb. 10.
Klingler, Paul C., et al. (See Wilson, Stephen G., assignor.)
Klingler, Paul C., Riverside, N. J. Automatic stop mechanism for knitting machines. 1,822,931; Sept. 15.
Klingspor, Carl, Siegen, Germany. Waterproof polishing paper. 1,833,715; Nov. 24.
Klinkenberg, Adolf, Wittbraucke, near Herdecke, assignor to the Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Structural steel. 1,812,155; June 30.
Klintworth, Glen, Scribner, Nebr. Tire chain keeper. 1,828,714; Oct. 20.
Kliot, Hyman, Bronx, assignor to Cliot Closet Moth Proofer, Inc., New York, N. Y. Face plate for moth ball cabinet. Des. 85,584; Nov. 17.
Klipfel, Thomas W. (See Hintz, E. C., and Klipfel.)
Klippel, Hermann. (See Jänecke, E., Klippel, and Hegelmann.)
Klipstein, A., and Company. (See McArdle, Edward H., assignor.)
Klipstein, E. C., & Sons Company. (See Dougherty, Gregg, assignor.)
Klipstein, James H., Marshall, Va. Griddle cake turner. 1,815,850; July 21.
Kliver, William B., Columbus, Ohio. Necktie re-former. 1,803,710; May 5.
Klock, Raymond A., Closter, N. J., assignor, by mesne assignments, to Gould Storage Battery Corporation, Depew, N. Y. Power unit. 1,795,563; Mar. 10.
Klock, Raymond A., Closter, N. J., assignor, by mesne assignments, to Gould Storage Battery Corporation, Depew, N. Y. Storage battery and container therefor. 1,829,935; Nov. 3.
Klocke, William H., Woodhaven, N. Y., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making bearings. 1,804,015; May 5.
Klockner, John, Elkhorn, and E. E. Thomas, Omaha, Nebr., assignors to Klockner-Thomas Manufacturing Company. Automatic disk sharpener. 1,826,517; Oct. 6.
Klockner-Thomas Manufacturing Company. (See Klockner, J., and Thomas, assignors.)
Kloen, Max, Jamaica, N. Y. Hydro-speed ship. 1,815,303; July 21.
Kloepfer, Harry. (See Freudenberg, H., and Kloepfer.)
Kloepfer, Harry, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company. Producing molded articles containing alkali metals. 1,835,712; Dec. 8.
Klomparens, Roy, Boston, Mass. Adjustable furnace register. 1,788,721; Jan. 13.
Kloneck, August J., New York, N. Y. Radio apparatus. 1,812,407; June 30.
Kloos, John. (See Bigler, C. L., and Kloos.)
Klopfenstein, Jonas, Portland, Oreg. Sawdust burner. 1,832,223; Nov. 17.
Klopfer, Henriette, Berlin-Wilmersdorf, assignor of one-half to the Firm W. & G. Neumann, Berlin, Germany. Breast holder. 1,811,548; June 23.
Klopp, Friedrich, Wald, Germany. Machine for hardening the bearing points of driving shafts and the like. 1,801,090. Apr. 14.
Klopp, Friedrich, Wald, Germany. Guard. 1,828,050; Oct. 20.
Klopp, Henry G., Spokane, Wash. Window frame. 1,790,428; Jan. 27.
Klopp, William C. H., Maywood, Ill. Lamp-shade-securing device. 1,799,561; Apr. 7.
Kloppe, Hermann, Charlottenburg, Germany. Illuminated fountain. 1,802,082; Apr. 21.
Klopping, Adolph C., Toledo, Ohio. Lever grip. 1,818,992; Aug. 18.
Klopsteg, Paul E., Evanston, Ill. Galvanometer or article of similar nature. Des. 85,756; Dec. 15.
Klopsteg, Paul E., Chicago, Ill. Wave machine. 1,825,739; Oct. 6.
Klopsteg, Paul E., Chicago, Ill. Educational apparatus. 1,826,180; Oct. 6.
Klopsteg, Paul E., assignor to Central Scientific Company, Chicago, Ill. Insulating wall structure. 1,797,265; Mar. 24.
Klopsteg, Paul E., assignor to Central Scientific Company, Chicago, Ill. Comparator. 1,804,421; May 12.
Klopsteg, Paul E., assignor to Central Scientific Company, Chicago, Ill. Rotor propelled apparatus. 1,824,487; Sept. 22.
Klopsteg, Paul E., assignor to Central Scientific Company, Chicago, Ill. Process and apparatus for measuring magnetic field intensities. 1,832,128; Nov. 17.
Klopsteg, Paul E., assignor to Central Scientific Company, Chicago, Ill. Carbon rheostat. 1,837,554; Dec. 22.
Klopsteg, Paul E., Chicago, Ill., assignor to Central Scientific Company. Electromagnetic device. 1,838,146; Dec. 29.
Klös, Heinrich. (See Mietzsch, F., and Klös.)
Kloss, Thomas, Chicago, Ill. Garage door appliance. 1,816,977; Aug. 4.
Kloss, Ulrich, A. Peters, and K. Krüger, Berlin, Germany. Electric tramway, railway, and like system. 1,817,692; Aug. 4.
Klotz, Heinrich, Wheeling, W. Va. Electrical control mechanism. 1,815,152; July 21.
Klotz, Otto H., Philadelphia, Pa. Reaction relief device. 1,818,895; Aug. 11.
Kloumann, Sigurd. (See Gröner, F., and Kloumann.)
Kluck, Robert R., Watertown, S. Dak. Hitch. 1,835,880; Dec. 8.
Klug, Karl, Brooklyn, N. Y. Street car sign. 1,812,344; June 30.
Klug, William, assignor to Noveltoy Corporation, Chicago, Ill. Combined pony and rider toy. Des. 84,089; May 5.
Klugh, Bethune G., Birmingham, and W. R. Seyfried, Anniston, assignors, by mesne assignments, to Swann Research, Inc., Birmingham, Ala. Manufacture of di-ammonium phosphate. 1,822,040; Sept. 8.
Klunk, Louis J., assignor to Beaver Saw Filing Machine Co., York, Pa. Saw-filing machine. 1,832,224; Nov. 17.
Klunk, William C., assignor to H. R. Webb Neckwear & Mfg. Co., St. Louis, Mo. Necktie. 1,836,925; Dec. 15.
Kluyver, Albert J., Delft, Netherlands, and F. V. Hooft, Buffalo, N. Y.; said Kluyver assignor to said Hooft. Preparation of organic compounds by means of bacterial oxidation. 1,833,716; Nov. 24.
Klyver, Albert N., and L. E. Dupuy, assignors to The Lamson Company, Syracuse, N. Y. Vertical conveyer. 1,794,331; Feb. 24.
Kmentt, Waldemar D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for placing washers on heel-mold pins. 1,822,099; Sept. 8.
Kmentt, Waldemar D., Akron, Ohio., assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for classifying washers or the like. 1,834,545; Dec. 1.
Kmieske, Florence A. (See Robinson, G., Kmieske, and Kmieske.)
Kmieske, Lewis A. (See Robinson, G., Kmieske, and Kmieske.)
Knaak, George A., Milwaukee, Wis., assignor, by mesne assignments, to Penn Electric Switch Co., Des Moines, Iowa. Controlling device. 1,788,678; Jan. 13.
Knaak, George A., Milwaukee, Wis., assignor, by mesne assignments, to Penn Electric Switch Co., Des Moines, Iowa. Diaphragm assembly. 1,801,560; Apr. 21.
Knabenshue, Brace S., assignor to Travelers' League, Incorporated, Warren, Pa. Road sign. Des. 83,550; Mar. 3.

Knabusch, Edward M., and E. J. Shoemaker, Monroe, Mich., assignor to Floral City Furniture Company, Monroe, Mich. Reclining chair. 1,789,337; Jan. 20.
Knaggs, Joseph, assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Double door structure. 1,817,921; Aug. 11.
Knandel, George J., Newark, N. J., assignor to American Telephone and Telegraph Company. Telegraph system. 1,807,740; June 2.
Knapen, Achille, Brussels, Belgium. Means to recuperate the atmospheric moisture. 1,816,592; July 28.
Knapp, Andrew S., St. Louis, Mo., assignor to Knapp-Monarch Company, Webster City, Iowa. Shredder and grater. 1,834,717; Dec. 1.
Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,812,703; June 30.
Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,835,163; Dec. 8.
Knapp, Charles C., Jersey City, N. J., assignor of one-half to Roswell B. Smith, Brooklyn, N. Y. Saw forming device. 1,811,236; June 23.
Knapp, Donald R. (See Bennett, F. I., jr., and Knapp.)
Knapp, Edgar, and C. G. Allgrunn, assignors to Niagara Sprayer Company, Middleport, N. Y. Tractor power take-off attachment. 1,834,100; Dec. 1.
Knapp, Edward L., assignor to National Brass Company, Grand Rapids, Mich. Table leg. 1,818,629; Aug. 11.
Knapp, Edwin R., Summit, N. J., assignor to Copper Plate Sheet & Tube Company. Apparatus for treating metal sheets. 1,806,805; May 26.
Knapp, Edwin R., Summit, N. J., assignor to Peabody Engineering Corporation, New York, N. Y. Apparatus for removing dust from gases. 1,836,758; Dec. 15.
Knapp, Frederick H., Kelso, Wash. Cable clamp. 1,797,194; Mar. 17.
Knapp, Frederick H., Kelso, Wash. Cable splicing and clamping device. 1,825,074; Sept. 29.
Knapp, George L., Maywood, Ill. Inner tube holders. 1,803,065; Apr. 28.
Knapp, George N., St. Louis County, Mo. Automatic pipe coupling. 1,787,750; Jan. 6.
Knapp, Leland G., assignor to Montgomery Ward & Co., Inc., Chicago, Ill. Washing machine. 1,816,593; July 28.
Knapp-Monarch Company. (See Johnson, Ernest S., assignor.)
Knapp-Monarch Company. (See Knapp, Andrew S., assignor.)
Knapp, Robert T., Pasadena, assignor to Riverside Cement Company, Los Angeles, Calif. Apparatus for the continuous weighing of material. 1,793,701; Feb. 24.
Knapp, Robert T., Riverside, assignor to Riverside Cement Company, Los Angeles, Calif. Transmission of force by liquid pressure. 1,817,315; Aug. 4.
Knapp, Robert T., Pasadena, assignor to Riverside Cement Company, Los Angeles, Calif. Apparatus for measuring fineness of finely divided materials. 1,838,628; Dec. 29.
Knapp, Walter R., Pelham Manor, assignor to Semet-Solvay Company, New York, N. Y. Elimination of waste liquors and the recovery of ammonium salts and phenols from said liquors. 1,823,364; Sept. 15.
Knauer, Schuyler C., Denison, Tex. Expanding bit. 1,832,129; Nov. 17.
Knauf, Paul W., Cynwyd, assignor to Schutte and Koerting Company, Philadelphia, Pa. Valve. 1,824,902; Sept. 29.
Knaus, Peter J., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article-forming apparatus. 1,789,469; Jan. 20.
Knauss, Frank V., Portsmouth, Ohio, assignor to Madsenell Corporation, Long Island City, N. Y. Fabricating metal-coated articles. 1,793,936; Feb. 24.
Kneass, Strickland, jr., Sewickley, assignor to Costello Engineering Company, Pittsburgh, Pa. Heat treating furnace. 1,837,779; Dec. 22.
Knebel, Ernst. (See Immerheiser, C., and Knebel.)
Knecht, Emil, Erkner, near Berlin, Germany, assignor, by mesne assignments, to Dual Motors Ltd., London, England. Insulating support for electric motors. 1,823,203; Sept. 15.
Knecht, Jakob, Union, N. J. Machine for making artificial building stone. 1,792,844; Feb. 17.
Knee, Aaron A., assignor to The Lance Packing Company, Charlotte, N. C. Vending machine. 1,813,934; July 14.
Knee, Aaron A., assignor to The Lance Packing Company, Charlotte, N. C. Vending machine for bulk edibles. 1,813,935; July 14.
Knee, John S., Grand Rapids, Mich. Damper. 1,834,458; Dec. 1.
Kneeland, Frank H., assignor to Safety Mining Company, Chicago, Ill. Charging mechanism for blasting cartridges. 1,807,987; June 2.
Kneeland, Frank H., assignor to Safety Mining Company. Chicago, Ill. Blasting cartridge. 1,816,257; July 28.
Kneeland, Frank H., assignor to Safety Mining Company, Chicago, Ill. Blasting cartridge. 1,818,993; Aug. 18.
Kneeland, Frank H., assignor to Safety Mining Company, Chicago, Ill. Blasting cartridge. 1,818,995; Aug. 18.
Kneeland, Frank H., assignor to Safety Mining Company, Chicago, Ill. Blasting cartridge. 1,827,318; Oct. 13.
Kneeland, Frank H., assignor to Safety Mining Company, Chicago, Ill. Blasting cartridge. 1,829,866; Nov. 3.
Kneeland, Frank H., Chicago, assignor to Safety Mining Company, Chicago, Ill. Cartridge charging device. 1,832,639; Nov. 17.
Kneeland, Walter R., Pittsburgh, Pa. Rolling mill. 1,797,266; Mar. 24.
Kneher, Muller Company. (See Muller, Otto, assignor.)
Knepper, Shelby V., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. Des. 85,247; Sept. 29.
Knickerbocker Company. (See Walker, Sidney L., assignor.)
Knickerbocker Stamping Company. (See Lange, George, assignor.)
Knigge, Julius, Essen-Stadtwald, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Metal drum. 1,800,082; Apr. 7.
Knight, Arthur P., Glendale, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for electrical separation of suspended material from gases. 1,810,614; June 16.
Knight, Ashley G., jr., Kansas City, Mo. Shock absorber. 1,806,468; May 19.
Knight, B. B. & R., Corporation. (See Anthony, Robert L., assignor.)
Knight, B. B. & R., Corporation. (See Picard, Stanislas, assignor.)
Knight, Carl W., Tiffin, Ohio. Bait. 1,789,630; Jan. 20.
Knight, Charles, Denver, Colo. Ore furnace construction. 1,835,224; Dec. 8.
Knight, Charles Y., Pasadena, Calif., assignor to The Willys-Overland Company, Toledo, Ohio. Combined fan and air cleaner. 1,789,871; Jan. 20.
Knight, Charles Y., Pasadena, Calif., assignor to Knight & Kilbourne Development Co., Chicago, Ill. Vibration-balancing mechanism. 1,794,715; Mar. 3.
Knight, Charles Y., Pasadena, Calif., assignor, by mesne assignments, to Chester H. Braselton Corporation, Jersey City, N. J. Steering apparatus for motor vehicles. 1,821,063; Sept. 1.
Knight, Charles Y., Pasadena, Calif., assignor, by mesne assignments, to Chester H. Braselton Corporation, Jersey City, N. J. Vibration absorbing mechanism. 1,821,098; Sept. 1.
Knight, Claude M., Cleveland, Ohio. Automatic control system for electric motors. 1,832,400; Nov. 17.
Knight, Donald B., Brooklyn, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,822,224; Sept. 8.
Knight, Frank T., Pittsburgh, Pa. Train control. 1,790,753; Feb. 3.
Knight, George D., Redwood City, assignor to Emory Winship, San Francisco, Calif. Printing ink base. 1,816,978; Aug. 4.
Knight, Harold P., Trona, Calif., assignor to Pacific Coast Borax Company. Recovery of commercially pure potassium chloride from alkaline brine. 1,834,161; Dec. 1.
Knight, Harry H., assignor to Dallas Engineering Corporation, Dallas, Tex. Fan. Des. 84,423; June 16.
Knight, Herbert M., Montclair, N. J. Unit concrete construction. 1,801,631; Apr. 21.
Knight, Hervey S., Evanston, assignor to American Manganese Steel Company, Chicago, Ill. Draft attachment for excavating machines. 1,838,770; Dec. 29.
Knight, Ira W., assignor to General Fire Extinguisher Company, Providence, R. I. Frangible link. 1,816,016; July 28.
Knight, James A., Halifax, Nova Scotia, Canada. Shock absorber. 1,812,051; June 30.
Knight, James L., Schenectady, N. Y., assignor to General Electric Company. Refrigerator cabinet. 1,810,615; June 16.
Knight, John, assignor, by mesne assignments, of one-half, to T. G. Hoagland, Rockaway, N. J. Universal joint or coupling. 1,802,899; Apr. 28.
Knight, John T. (See Philpott, W. J., and Knight.)
Knight & Kilbourne Development Co. (See Knight, Charles C., assignor.)
Knight, Maurice A., East Akron, Ohio, and A. Baird, Detroit, Mich. Forming clay products having spiral centers. 1,833,465; Nov. 24.
Knight, Morris C., Alexandria Bay, N. Y. Ice and water boat. 1,816,118; July 28.
Knight, Peter L., Wilmington, N. C. Picture hanger. 1,795,608; Mar. 10.
Knight, Ralph F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Measuring machine. 1,816,153; July 28.
Knight, Ralph F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for and method of treating material. 1,831,918; Nov. 17.
Knight, Ronald F., Ramsey, N. J. Steam engine operation efficiency device. 1,805,585; May 19.
Knight, Samuel H., Lancaster, Pa., assignor to Follmer, Clogg & Co. Automatically opening parachute. 1,829,561; Oct. 27.
Knight Slipper Mfg. Corp. (See Goldstein, Louis, assignor.)
Knight, William G., Derby, Me. Locomotive driving rod connection. 1,807,217; May 26.
Knight, William W., Evanston, assignor to Roth Rubber Company, Chicago, Ill. Gasket. 1,802,176; Apr. 21.
Knight, William W., Evanston, assignor to Roth Rubber Company, Cicero, Ill. Gasket. 1,802,177; Apr. 21.

Knight, William W., Evanston, assignor to Roth Rubber Company, Chicago, Ill. Insulating covering for flexible pipe conduits. 1,824,601; Sept. 22.
Knight, Willson H., and C. A. Waldsmith, assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Chuck assembly for machine tools. 1,836,471; Dec. 15.
Knightstown Body Company. (See Silver, Ralph L., assignor.)
Knilans, Harold M., Shreveport, La. Athletic shoe. 1,803,554; May 5.
Knipe, Leighton G., assignor to Insulated Concrete System, Ltd., Los Angeles, Calif. Building construction. 1,795,338; Mar. 10.
Knipp, Charles J., near Tipton, Mo. Harrow. 1,790,051; Jan. 27.
Knisely, Melvin H., Albion, Mich., assignor of one-half to G. J. Walker, Marlette, Mich. Sanitary closet seat cover. 1,835,787; Dec. 8.
Kniskern, Walter H., Syracuse, assignor to Atmospheric Nitrogen Corporation, Solvay, N. Y. Separating finely divided liquids from gases and apparatus therefor. 1,803,854; May 5.
Kniss, Frank C., and R. N. Vickers, Smackover, Ark. Deep well pump. 1,807,741; June 2.
Knobloch, Carl, Middletown, Conn. Liquid level gauge. 1,804,695; May 12.
Knoche, Rudolf. (See Hentrich, W., and Knoche.)
Knoche, Rudolf. (See Hentrich, W., Hardtmann, and Knoche.)
Knoche, Rudolf. (See Hentrich, W., Hardtmann, Knoche, and Hilger.)
Knoche, Rudolf. (See Hentrich, W., Hardtmann, Hilger, and Knoche.)
Knoche, Rudolf. (See Hentrich, W., Knoche, and Ballauf.)
Knoche, Rudolf. (See Hentrich, W., Knoche, and Tietze.)
Knoche, Rudolf. (See Hentrich, W., Knoche, Tietze, and Hilger.)
Knoche, Rudolf. (See Hentrich, W., Knoche, and Virck.)
Knoedler, Theodore A. (See Stump, I. E., and Knoedler.)
Knöffler, Georg. (See Fraunberger, F., and Knöffler.)
Knohl, Friedrich K. (See Stamm, A. F., and Knohl.)
Knoll, Hans, Munich, assignor to Mercedes Buromaschinen-Werke Aktiengesellschaft, Bensbausen, Germany. Calculating machine. 1,804,103; May 5.
Knoll, Robert. (See Bockmuhl, M., and Knoll.)
Knoll, Roy C., assignor to Middle States Mfg. Co., Chicago, Ill. Sausage stuffing and linking machine. 1,790,868; Feb. 3.
Knoll, William V., assignor to The Mid-West Machine Company, Dayton, Ohio. System of and apparatus for the treatment of paper pulp. 1,793,095; Feb. 17.
Knoll, William V., assignor to Midwest-Fulton Machine Co., Dayton, Ohio. Beater engine. 1,815,007; July 14.
Knoll, William V., assignor to Midwest-Fulton Machine Company, Dayton, Ohio. Beater engine. 1,817,749; Aug. 4.
Knoop, William A. (See Clokey, A. A., and Knoop.)
Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal-interpolating system. 1,799,627; Apr. 7.
Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Printing telegraph system. 1,809,043; June 9.
Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,812,635; June 30.
Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Interpolating system. 1,832,308; Nov. 17.
Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronous telegraph system. 1,832,309; Nov. 17.
Knoop, William A., Hempstead, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical contact element. 1,835,788; Dec. 8.
Knopf, Carl L. (See White, S. D., and Knopf.)
Knopp, Gumal, Berlin-Wilmersdorf, Germany. Machine for manufacturing multiple course papers, cardboards, and the like. 1,829,660; Oct. 27.
Knopp, Otto A., Oakland, Calif. Calibration system. 1,819,714; Aug. 18.
Knopp, Walter E. (See Gill, George W., assignor.)
Knörer, Hans, Nuremberg, assignor to the Firm A. W. Faber Castell-Bleistift-Fabrik A.-G., Stein, near Nuremberg, Germany. Packing container. 1,838,556; Dec. 29.
Knöringer, Ernst, and C. Wolski, Wulfrath, Germany. Charging device for shaft furnaces. 1,835,225; Dec. 8.
Knorpp, Philip J., Brooklyn, N. Y. Container. 1,838,411; Dec. 29.
Knorr, Angelo, Berlin, and A. Weissenborn, Potsdam, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Cyclic acetals. 1,837,273; Dec. 22.
Knorr-Bremse Aktiengesellschaft. (See Kollinek, Kurt, assignor.)
Knorr-Bremse Aktiengesellschaft. (See Michael, F., and Grabarse, assignors.)
Knorr, Fred, Denver, Colo. Ironing board. 1,828,051; Oct. 20.
Knös, Gunnar B., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Intercommunication telephone system. 1,789,142; Jan. 13.
Knosher, Adolph, assignor to Kroehler Manufacturing Company, Naperville, Ill. Davenport bed. 1,805,097; May 12.
Knoth, Conrad, Hillside, N. J., assignor to General Motors Corporation, Detroit, Mich. Riveting machine. 1,791,505; Feb. 10.
Knoth, Hilary G., Detroit, Mich. Clothes prop. 1,817,568; Aug. 4.
Knott, Carl A., et al. (See Staude, John M., assignor.)
Knott, Charles, deceased, New Madrid, Mo.; St. Louis Union Trust Company, Incorporated, executor. Operating stand. 1,799,692; Apr. 7.
Knott, Gottfred, Davis Junction, Ill. Hay fork. 1,804,625; May 12.
Knott, Henderson W., Valparaiso, Ind. Blade sharpener. 1,790,754; Feb. 3.
Knott, Warren E., Grand Rapids, Mich., assignor, by mesne assignments, to Pioneer Pearl Button Company, Poughkeepsie, N. Y. Saw setting machine. 1,820,278; Aug. 25.
Knotz, Alois, Graz, Austria. Feed device for the paper strip of adding machines and cash registers. 1,814,708; July 14.
Knoud, Martha J., Flushing, N. Y. Riding bridle. 1,827,367; Oct. 13.
Knowland, Richard G., Wollaston, Mass., assignor to Nashua Manufacturing Company, Nashua, N. H. Dyeing. 1,832,907; Nov. 24.
Knowland, Richard G., Wollaston, and N. Kosak, Everett, Mass., assignors to Nashua Manufacturing Company, Nashua, N. H. Dye bath and process of dyeing. 1,805,098; May 12.
Knowland, Thomas M. (See Glidden, A. A., Knowland, and Davis.)
Knowles, Albert. (See Paris, H. P., and Knowles.)
Knowles, Albert E., Heswall, England. Electrolytic apparatus. 1,821,018; Sept. 1.
Knowles, Alexander S., assignor to Tar and Petroleum Process Company, Chicago, Ill. Methods of and apparatus for dehydrating and distilling heavy hydrocarbon oils to recover constituents thereof in liquid form. 1,789,312; Jan. 20.
Knowles, Alexander S., assignor to Tar and Petroleum Process Company, Chicago, Ill. Coking petroleum residues. 1,815,918; July 28.
Knowles, Alexander S., deceased, St. Louis Mo., L. H. Knowles, executrix, Bayside, L. I., N. Y., assignor to Tar & Petroleum Process Company, Chicago, Ill. Oven or retort for treating tarry matter and the like. 1,832,867; Nov. 24.
Knowles, Alexander S., and C. W. Andrews, assignors to Tar & Petroleum Process Company, Chicago, Ill. Apparatus for distilling and coking heavy hydrocarbon liquids. 1,805,720; May 19.
Knowles, Augustus A. (See Mapes, H. C., and Knowles.)
Knowles, Dewey D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Street-lighting system. 1,788,111; Jan. 6.
Knowles, Dewey D., Forest Hills Borough, Pa., assignor to Westinghouse Electric & Manufacturing Company. Safety system. 1,809,280; June 9.
Knowles, Elbert B. (See Phelan, John A., assignor.)
Knowles, George, Ottawa, Ontaria, Canada. Cleaning vegetable fiber and the like. 1,797,507; Mar. 24.
Knowles, Louise H., executrix. (See Knowles, Alexander S.)
Knowles, Phillip H., Chicago, Ill., assignor to The Washburn Company, Worcester, Mass. Culinary utensil. 1,801,672; Apr. 21.
Knowles, William T., Everett, Wash. One-piece binder and car stake. 1,799,628; Apr. 7.
Knowlton, Alfred D., and S. H. Everett, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,804,169; May 5.
Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Art of box making. 1,809,853; June 16.
Knowlton, Cutler D., Beverly, Mass., assignor to Hoague-Sprague Corporation, Lynn, Mass. Box. 1,811,135; June 23.
Knowlton, Cutler D., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making sheet material. 1,821,166; Sept. 1.
Knowlton, Donald R., assignor to Phillips Petroleum Company, Bartlesville, Okla. Flow head with adjustable flow bean. 1,831,713; Nov. 10.
Knowlton, M. D., Company. (See Hoch, Otto M., assignor.)
Knowlton, Norwood H. (See Nutt, W. H., and Knowlton.)
Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for laying breast covers on heels. 1,799,302; Apr. 7.
Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of boots and shoes. 1,824,959; Sept. 29.
Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for trimming heel-breast coverings. 1,832,130; Nov. 17.
Knowlton, Norwood H., Rockport, and W. H. Nutt, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Heel and making and covering the same. 1,820,915; Sept. 1.

Knowlton, Ralph W., and H. C. Bennett, Westbrook, assignors, by mesne assignments, to Sanford Mills, Sanford, Me. Double-shuttle loom for weaving pile fabrics. 1,793,324; Feb. 17.
Knowlton, Ralph W., and H. C. Bennett, Westbrook, assignors, by mesne assignments, to Sanford Mills, Sanford, Me. Automatic shuttle-changing mechanism for double looms. 1,793,325; Feb. 17.
Knowlton, Theodore E., Buffalo, N. Y., assignor, by mesne assignments, to Certain-teed Products Corporation. Plaster-board manufacture. 1,798,609; Mar. 31.
Knowlton, William, and W. S. Vaughan, Glen Ellyn, Ill. Air humidifier. 1,819,423; Aug. 18.
Knox, Donald G. (See Gammack, W. A., and Knox.)
Knox, Garner L., Glendale, assignor to Utility Trailer Manufacturing Co., Los Angeles, Calif. Fifth wheel. 1,793,808; Feb. 24.
Knox, Granville S., Los Angeles, Calif. Rotary drilling jar. 1,801,673; Apr. 21.
Knox, Harry A., Davenport, Iowa. Endless traction belt for vehicles. 1,800,221; Apr. 14.
Knox, Harry A., Davenport, Iowa. Endless band track for vehicles. 1,804,470; May 12.
Knox, Harry A., Davenport, Iowa. Vehicle. 1,805,771; May 19.
Knox, Harry A., Davenport, Iowa. Suspension for track laying vehicles. 1,824,086; Sept. 22.
Knox, Harry A., and B. F. Baker, Davenport, Iowa. Epicyclic transmission. 1,791,167; Feb. 3.
Knox, Harry A., and B. F. Baker, Davenport, Iowa. Flexible track for track laying vehicles. 1,825,075; Sept. 29.
Knox, Harry A., and B. F. Baker, Davenport, Iowa. Cooling system for motors. 1,826,005; Oct. 6.
Knox, Howard L., Lynden, Ontario, Canada. Transportation system. 1,813,625; July 7.
Knox, Luther L., Bellevue, assignor to Knox Products Company, Pittsburgh, Pa. Method and apparatus for refrigerating. 1,800,258; Apr. 14.
Knox Products Company. (See Knox, Luther L., assignor.)
Knox, W. & J., Net and Twine Company. (See Webster, Robert C., assignor.)
Knox, Washington A., Hereford, Tex. Rail coupling. 1,823,745; Sept. 15.
Knox William G., Manhasset, assignor to Western Electric Company, Incorporated, New York, N. Y. Composite conductor. 1,808,925; June 9.
Knudsen, Alfred T. (See Tönnessen, S. D., and Knudsen.)
Knudsen, Fritz W., assignor to A. D. Loffler, jr., Washington, D. C. Producing skinless sausage. 1,825,528; Sept. 29.
Knudsen, Knud, Danbury, Conn. Push button switch construction. 1,813,407; July 7.
Knudsen, Krestine, Oakland, Calif. Doll. Des. 83,731; Mar. 24.
Knudsen, Krist, Seattle, Wash. Swimming appliance. 1,793,937; Feb. 24.
Knudson, Henry, Newman Grove, Nebr. Spine corrector. 1,833,426; Nov. 24.
Knudson, Stephen C., Kellogg, Idaho. Fireplace protector. 1,830,364; Nov. 3.
Knupffer, Maurice, London, England. Liquid-fuel burner. 1,793,326; Feb. 17.
Knuth, Edward C. (See Palm, J. V. O., and Knuth.)
Knuth, Nick. (See Helgason, A., and Knuth.)
Knutson, Alfred, San Pedro, Calif. Compass card and bearing board. 1,794,964; Mar. 3.
Knutson, Carl L., Maywood, W. G. Roby, Chicago, and A. W. Kimbell, Park Ridge, assignors to Cinch Manufacturing Corporation, Chicago, Ill. Valve for cushion structures. 1,828,191; Oct. 20.
Knutson, Harold, Chicago, Ill., assignor to Paul Dickinson, Incorporated. Pipe damper. 1,828,052; Oct. 20.
Knutson, Martin O., South Porcupine, Ontario, Canada, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Spring handle for drills. 1,791,061; Feb. 3.
Knutson, Thor, Minneapolis, Minn. Concrete form for floors. 1,807,315; May 26.
Knüttel, Ernst, Kalkberge/Mark, Germany. Centrifugal apparatus. 1,815,409; July 21.
Knuuti, Charles O., Berwyn, Ill. Dovetail measuring device. 1,809,044; June 9.
Knuuti, Charles O., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for producing electrical connecting elements. 1,801,278; Apr. 21.
Knuuti, Charles O., Berwyn, and C. A. Metzger, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Assembling apparatus. 1,822,441; Sept. 8.
Kny-Scheerer Corporation. (See Heins, Harry J., assignor.)
Kny-Scheerer Corporation. (See Okun, Joseph H., assignor.)
Kny-Scheerer Corporation of America, The. (See Lindberg, Ernest O., assignor.)
Kob, Henry H., Fort Collins, Colo. Wrench. 1,836,473; Dec. 15.
Kob, Hermann. (See Legeler, E., and Kob.)
Kobatake, Tsunajire, Los Angeles, Calif. Head-lamp lens. 1,799,377; Apr. 7.
Kobayakawa, Tokio, Ebara-Machi, Tokyo, Japan, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical contact device. 1,819,248; Aug. 18.

Kobe, Inc. (See Coberly, Clarence J., assignor.)
Kobel, Ernst, Ennetbaden, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Evacuating pump. 1,822,702; Sept. 8.
Kober, Philip A., Evanston, assignor to G. D. Searle & Co., Chicago, Ill. Alkaline bismuth tartrate solution. 1,801,433; Apr. 21.
Kober, Philip A., Evanston, assignor to G. D. Searle & Company, Chicago, Ill. Mineral food composition and making same. 1,813,936; July 14.
Koch, Albert. (See Lecher, H., and Koch.)
Koch, Bruno F., Anaconda, Mont. Furnace-wall structure and structural element forming a part thereof. 1,793,740; Feb. 24.
Koch, Charles D., Torresdale, assignor to Keystone Aircraft Corporation, Bristol, Pa. Refrigerator for vehicles. 1,814,315; July 14.
Koch, Dick H., and I. T. Slaton, Coffeyville, Kans. Coupling. 1,818,261; Aug. 11.
Koch, Earl L., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Radio receiving system. 1,797,988; Mar. 24.
Koch, Earl L., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Thermionic tube. 1,813,241; July 7.
Koch, Ernst. (See Griessbach, R., and Koch.)
Koch, Felix, Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Pipe supporting bracket. 1,834,404; Dec. 1.
Koch, Frank, New York, N. Y. Sliding and swinging sash. 1,850,115; Nov. 3.
Koch, Gustav J., La Crosse, Wis. Material spreader. 1,800,298; Apr. 14.
Koch, Hans, Boise, Idaho. Meat holder and mold. 1,794,304; Feb. 24.
Koch, Hans, Astoria, N. Y. Casing for translucent name or number plate. 1,836,669; Dec. 15.
Koch, Henry C., Chicago, Ill. Cutter head. 1,826,889; Oct. 13.
Koch, Jacob M. (See Varner, H. C., and Koch.)
Koch, John C. (See Randall, R. W., and Koch.)
Koch, John M., Reading, Pa. Automatic feeder for centerless grinders. 1,804,422; May 12.
Koch, John M., Reading, Pa. Automatic repeater for rolling mills. 1,809,128; June 9.
Koch, John M., Wyomissing, Pa. Automatic discharge device for grinding machines. 1,824,159; Sept. 22.
Koch, Josef, and Max Kliesch, Schlieren-Zurich, assignors to firm Schweiz, Wagons- & Aufzugefabrik A. B., Schlieren-Zurich, Schlieren, Switzerland. Sleeping car. 1,798,542; Mar. 31.
Koch, Lewis F., Johnson City, Tenn. Window screen. 1,799,104; Mar. 31.
Koch, Lydia B. (See Vogelsang, Ludy, assignor.)
Koch, Lydia B., New York, N. Y., assignor to Reinforced Paper Bottle Corporation, Chicago, Ill. Paper bottle. 1,825,001; Sept. 29.
Koch, Lydia B., and J. Buchina, New York, assignors to The Reinforced Paper Bottle Corporation, New York, N. Y. Manufacture of paper containers. 1,806,943; May 26.
Koch, Siegmund. (See Borrmann, Arthur, assignor.)
Koch & Sterzel Aktiengesellschaft. (See Fischer, Franz J., assignor.)
Koch & Sterzel, Aktiengesellschaft. (See Sterzel, Kurt A., assignor.)
Koch & Sterzel Aktiengesellschaft, the Firm. (See Fischer, Franz J., assignor.)
Koch & Te Kock. (See Menscheer, Johannes, assignor.)
Koch, William C., St. Paul, Minn. Vaporizer. 1,915,318; July 21.
Kochanowski, Stanislaw Z., Warsaw, Poland. Potato digger. 1,829,834; Nov. 3.
Kochevar, Martin J. A., Pueblo, Colo. Device for preventing retrograde movement of vehicles. 1,813,748; July 7.
Kochs, Theo. A., Company. (See Bestler, John W., assignor.)
Kochs, Theo. A., Company. (See Fischer, Charles W., assignor.)
Kochs, Theo. A., Company. (See Schwarzkopf, Arthur R., assignor.)
Kochs, Theo. A., Company. (See Schwarzkopf, A. R., and Wagner, assignors.)
Kocjan, Louis, Milwaukee, Wis. Combined table and chair. 1,819,956; Aug. 18.
Kock, Hans R. F., and K. A. R. Quitt, Lubeck, Germany. Boiler and evaporator. 1,808,663; June 2.
Kockritz, Alfred T., and K. Petrasch, Henderson, Ky.; said Petrasch assignor to said Kockritz. Making excelsior pads. 1,823,832; Sept. 15.
Köcks, Fritz, Dusseldorf, Germany. Tube-rolling mill. 1,800,891; Apr. 14.
Kocks, Fritz, Dusseldorf, Germany. Rolling mill. 1,830,278; Nov. 3.
Kocour, Cyril, Chicago, Ill. Apparatus and process of determining the strength of solutions. 1,806,806; May 26.
Kocourek, Henry, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Hair clipper. 1,794,410; Mar. 3.
Kodak Limited, et al. (See Hunter, Edgar K., assignor.)
Kodak, Limited. (See Newman, Arthur S., assignor.)
Kodama, Frank, New York, N. Y. Sheller. 1,798,543; Mar. 31.
Koeb, Emil. (See Goldsmith, B. J., and Koeb.)

Koebel, Albert J., Daisy, Wash. Treating ores. 1,814,602; July 14.
Koebel, Joseph H., Lowell, Iowa. Cultivator guard. 1,819,899; Aug. 18.
Koeberle, Karl. (See Kunz, M. A., and Koeberle.)
Koeberle, Karl. (See Kunz, Max A., and Koeberle, assignors.)
Koeberle, Karl. (See Kunz, M. A., Koeberle, and Berthold.)
Koeberle, Karl. (See Kunz, M. A., Koeberle, and Bruck.)
Koeberle, Karl. (See Kunz, M. A., Koeberle, and Zerweck.)
Koebler, Herbert M., Portland, Oreg. Support for hams and other meat products. 1,788,722; Jan. 13.
Koechel, Walter P., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Voltage regulator system. 1,835,061; Dec. 8.
Koechling, Charles D., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,788,528; Jan. 13.
Koehler, Edwin H., New York, N. Y. Cosmetic container. 1,810,249; June 16.
Koehler, Gustav F., Pleasantville, N. J. Turntable. 1,797,830; Mar. 24.
Koehring Company. (See Beckwith, Raymond A., assignor.)
Koehring Company. (See Brey, Harold E., assignor.)
Koehring Company. (See Holcomb, Alpheus E., assignor.)
Koehring Company. (See Koehring, Philip A., assignor.)
Koehring Company. (See Lichtenberg, Erich H., assignor.)
Koehring Company. (See Pearson, Richard W., assignor.)
Koehring Company. (See Robb, John F., assignor.)
Koehring Company. (See Russell, Leslie A., assignor.)
Koehring Company. (See Sheck, O., and Tranaas, assignors.)
Koehring Company. (See Tellier, Edgar H., and Deckman, assignors.)
Koehring Company. (See Tranaas, Emil L., assignor.)
Koehring Company. (See Volk, Ralph, assignor.)
Koehring Company. (See Wight, Joe E., assignor.)
Koehring, Philip A., assignor to Koehring Company, Milwaukee, Wis. Concrete transporting truck. 1,809,629; June 9.
Koehring, Philip A., assignor to Koehring Company, Milwaukee, Wis. Boom construction for paving machines. 1,827,527; Oct. 13.
Koella, Ernest, assignor to Rockford Manufacturing Company, Rockford, Tenn. Tufting roving. 1,803,021; Apr. 28.
Koelling, Ed., Matson, M. Riek, Augusta, and M. Tiffany, Matson, Mo.; said Koelling and said Tiffany assignors to said Riek, Combination vehicle and mower. 1,834,523; Dec. 1.
Koelpin, William F. (See Wells, R. C., and Koelpin.)
Koen, Lee O. (See Hoffoss, J. E., and Koen.)
Koen, Lew, Wilkes-Barre, Pa. Detachable clamp-head railroad spike. 1,817,569; Aug. 4.
Koenig, Gervase P., East Cleveland, Ohio. Automobile curtain. 1,790,349; Jan. 27.
Koenig, Harry A., Philadelphia, Pa. Pressing-iron support. 1,797,870; Mar. 24.
Koenig, Harry A., Philadelphia, Pa. Steam pressing iron. 1,803,116; Apr. 28.
Koenig, Harry M., Milwaukee, Wis. Adjustable lamp shade. 1,800,010; Apr. 14.
Koenig, Henry T. (See Phelan, R. E., Lowe, Clampitt, Koenig, and Fischer.)
Koenig, Joe, Quincy, Ill. Milk truck. 1,829,936; Nov. 3.
Koenig, Joseph, deceased, Manitowoc, Wis.; R. Koenig and R. K. Ellis, administrators. Propeller. 1,804,016; May 5.
Koenig, Joseph, deceased, Manitowoc, Wis.; R. Koenig and R. K. Ellis, administrators. Propeller. 1,814,709; July 14.
Koenig, Joseph, deceased, Manitowoc, Wis.; R. Koenig and R. K. Ellis, administrators. Propeller. 1,821,519; Sept. 1.
Koenig, Leon C., Chicago, Ill., assignor to Hevi Duty Electric Company, Milwaukee, Wis. Pressure control in furnaces. 1,804,782; May 12.
Koenig, Remus, et al., administrators. (See Koenig, Joseph, assignor.)
Koenigsberger, Franz, assignor to Dehls & Stein, Newark, N. J. Tertiary butyl naphthol and process for making. 1,788,529; Jan. 13.
Koennecke, Lothar, Berlin, Germany. Weeding hoe. 1,787,687; Jan. 6.
Koenreich, Arthur S. (See Kuendig, Edward O., assignor.)
Koepf, Henry F., Fort Wayne, Ind. Slicing machine. 1,806,105; May 19.
Koepp, Frido O., La Vernia, Tex. Starting attachment for motor vehicles. 1,822,041; Sept. 8.
Koeppe, Robert J., assignor to The Cheney Company, Chicago, Ill. Combined radio cabinet and clock. Des. 84,703; July 21.
Koeppen, Ernst, Oradell, N. J. Suction device for dipping, stripping, or plating tanks. 1,801,011; Apr. 14.
Koepsell, August J., assignor of twenty-five per cent to W. A. Moericke, Mayville, Wis. Time recording clock. 1,822,225; Sept. 8.
Koerber, John C., South Orange, N. J. Clip for toy electric railway tracks. 1,804,783; May 12.
Koerber, John C., South Orange, N. J. Toy railway track clip. 1,804,784; May 12.
Koerber, John C., South Orange, N. J. Toy vehicle. 1,817,316; Aug. 4.
Koerber, John C., South Orange, N. J. Trackway for toy railways. 1,828,536; Oct. 20.
Koering, Eustachius W., Vineland, N. J. Support for vitreous bars. 1,791,929; Feb. 10.
Koering, Eustachius W., Vineland, N. J. Apparatus for shaping glass rods. 1,809,854; June 16.
Koerner, Ewald, Dresden, Germany, assignor to United Cigarette Machine Co. Inc., Lynchburg, Va. Tobacco-feeding device for cigarette machines. 1,797,687; Mar. 24.
Koestner, Fred C. (See Johnson, C. E., and Koestner.)
Koether, Emil A., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Piston ring. 1,830,841; Nov. 10.
Ko Eune, Peter C., Philadelphia, Pa. Controlling device for burglar and fire alarms. 1,798,207; Mar. 31.
Koford, Carl C., assignor to The Nubone Company, Inc., Erie, Pa. Corset. 1,807,159; May 26.
Kogl, Frank, St. Paul, Minn., assignor of one-half to Hans Steingassinger, Zell-on-the-Ziller, Austria. Life preserving device. 1,805,721; May 19.
Kohala Pineapple Company. (See Smythe, Robert W., assignor.)
Kohirogawa, Haruichi, New York, N. Y. Mechanical display device. 1,826,939; Oct. 13.
Kohl, Frank, Hoboken, N. J. Clothesline supporter. 1,830,470; Nov. 3.
Kohl, Paul, Wausau, Wis. Storm sash or screen hanger. 1,825,595; Sept. 29.
Kohl, Theodore G., and R. O. Gilburg, Wausau, Wis. Motor operated door. 1,822,042; Sept. 8.
Kohlenveredlung Aktiengesellschaft. (See Geissen, K., and Vorbrodt, assignors.)
Kohler, Anthony M. (See Harter, I., Kohler, and Norton.)
Kohler-Brambach Piano Company. (See Campbell, G. G., and Klepac, assignors.)
Kohler Company. (See Beste, Ernst A., assignor.)
Kohler Company. (See Brotz, Anton F., assignor.)
Kohler Company. (See Brotz, Frank G., assignor.)
Kohler Company. (See Gavin, Gordon P., assignor.)
Kohler Company. (See Hvoslef, Fredrik W., assignor.)
Kohler Company. (See Kohler, Walter J., jr., assignor.)
Kohler Company. (See Witzel, Earl R., assignor.)
Kohler, Donald D., Amsterdam, Ohio. Power attachment for ice cream freezers. 1,825,356; Sept. 29.
Köhler, Ferdinand, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Automatic control system for steam generators. 1,838,265; Dec. 29.
Köhler, Fritz, Leipzig, Germany. Stand or support. 1,826,474; Oct. 6.
Kohler, Gustavus A. E. (See Butkus, Joseph A., assignor.)
Kohler, Gustavus A. E. (See Rust, James E., assignor.)
Kohler, Gustavus A., E. Chicago, Ill. Connection for connecting angular members together. 1,792,100; Feb. 10.
Kohler, John H. (See Larson, W. E., and Kohler.)
Kohler, John H., Pittsburgh, Pa. Staff for rotating apparatus. 1,830,032; Nov. 3.
Kohler, John H., Pittsburgh, Pa., assignor to Rees Manufacturing Corporation. Jack. 1,810,657; June 16.
Kohler, L. Frank. (See Rohlfs, Roland, assignor.)
Kohler Manufacturing Company. (See Wheat, Grant, assignor.)
Köhler, Otto, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Driving mechanism for power driven vehicles. 1,838,557; Dec. 29.
Kohler, Ulrich, Bern, Switzerland. Stamping machine. 1,798,328; Mar. 31.
Kohler, Ulrich, assignor to Hasler A.-G. vormals Telegraphenwerkstätte Von G. Hasler, Bern, Switzerland. Machine for producing stamped impressions, marks, and the like. 1,791,451; Feb. 3.
Kohler, Ulrich, assignor to Hasler A.-G. vormals Telegraphenwerkstatte von G. Hasler, Bern, Switzerland. Clockwork driving mechanism in tachometers and the like. 1,838,843; Dec. 29.
Köhler, Walter, Munich, Germany. Dentist's model. 1,822,043; Sept. 8.
Kohler, Walter J., jr., assignor to Kohler Company, Kohler, Wis. Adjustable leg for sinks and the like. 1,806,169; May 19.
Kohlmeier, George J., assignor to Fox Film Corporation, Los Angeles, Calif. Self-aligning roller for developing machines. 1,837,223; Dec. 22.
Kohlmeyer, August H. and F. A., Detroit, Mich. Thermostatic oven control mechanism. 1,814,002; July 14.
Kohlmeyer, Frederick A. (See Kohlmeyer, August H. and F. A.)
Kohlmeyer, Lawrence D., Indianapolis, Ind. Film flame stop. 1,827,010; Oct. 13.
Kohlmeyer, Lawrence D., Indianapolis, Ind. Power transmission and framing mechanism for motion picture machines. 1,827,011; Oct. 13.
Kohloff, Paul, Mamaroneck, N. Y., assignor of one-half to G. Gross, Summit, N. J. Electrical connector. 1,790,101; Jan. 27.
Kohlwey, Irvin J., assignor to Phoenix Hosiery Company, Milwaukee, Wis. Transfer printing machine. 1,829,562; Oct. 27.

Kohman, Edward F., assignor to National Canners Association, Washington, D. C. Food containers. 1,837,051; Dec. 15.
Kohman, Henry A. (See Blank, A. D., Kohman, and Schultz.)
Kohn & Company. (See Carolin, Frank J., assignor.)
Kohn, Jacob. (See Kaplan, P., and Kohn.)
Kohn, Koby, assignor to Chatham Specialty Corporation, New York, N. Y. Covering for toy torpedoes. 1,824,278; Sept. 22.
Kohn, Mathias A., Milwaukee, Wis. Garbage incinerator. 1,808,234; June 2.
Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Type chase. 1,821,437; Sept. 1.
Köhns, Alexander, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,794,965; Mar. 3.
Kohori, George U., Tacoma, Wash. Tea roaster. Des. 85,337; Oct. 13.
Kohorn, Oscar & Co. (See Perl, Alfred, assignor.)
Kohr, Allison A., Maplewood, N. J., assignor to The Koppers Company, Pittsburgh, Pa. Gas purification process and apparatus. 1,812,099; June 30.
Kohr, Elton D., York, Pa. Frozen-product-machine supporting stand. Des. 83,622; Mar. 10.
Kohr, Elton D., York, Pa. Discharge attachment for frozen product machines. 1,818,896; Aug. 11.
Kohr, Robert E., Stonehurst Upper Darby, Pa. Hose coupling. 1,838,313; Dec. 29.
Kohr, Robert F., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,792,225; Feb. 10.
Kohr, Robert F., assignor to The Studebaker Corporation, South Bend, Ind. Brake shoe. 1,793,231; Feb. 17.
Kohr, Robert F., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,800,391; Apr. 14.
Kohr, Robert F., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,806,296; May 19.
Kohr, Robert F., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,806,297; May 19.
Kohr, Robert F., assignor to The Studebaker Corporation, South Bend, Ind. Brake operating mechanism. 1,824,725; Sept. 22.
Kohr, Robert F., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,832,032; Nov. 17.
Kohut, Jacob, St. Louis, Mo. Combined lamp and clock or similar article. Des. 84,195; May 19.
Kohut, John J., Rochester, N. Y. Shutter for auto hoods and locking device therefor. 1,796,756; Mar. 17.
Kokatnur, Vaman R. (See Rutzler, J. E., jr., Kokatnur, and Rollhaus.)
Kokatnur, Vaman R., Brooklyn, N. Y. Saponification. 1,813,454; July 7.
Koken Companies. (See Carter, Lionel A., assignor.)
Kokomo Stamped Metal Company. (See Smith, Lora C., assignor.)
Kolar, John P., Erie, Pa. Tie plate. 1,789,590; Jan. 20.
Kolar, Mildred A., Portland, Oreg. Doll. 1,827,476; Oct. 13.
Kolár, Václav, Modrany, near Prague, assignor to the firm Ceskomoravska-Kolben-Danek Company Limited, Prague, Czechoslovakia. Lighting plant for air-port landing places. 1,817,827; Aug. 4.
Kolb, Frederick V., New London, assignor to Electric Boat Company, Groton, Conn. Electrical connection for submarines. 1,816,435; July 28.
Kolb, Louis J. (See Hackett, R. W., and Worrall, assignors.)
Kolb, Louis J. (See Worrall, Arthur G., assignor.)
Kolb, Victor. (See Uhde, O., and Kolb.)
Kolbe, Robert E., Erie, Pa. Method of and apparatus for freezing materials. 1,835,881; Dec. 8.
Kolbert, Oswald. (See Jungmann, K., and Kolbert.)
Kolbus, August, Espelkamp, near Rahden, Germany. Machine for cutting cardboard for book covers or the like. 1,829,937; Nov. 3.
Kolbuss, Casimir C., Taunton, Minn. Spring adjusting sash or door holder. 1,836,539; Dec. 15.
Kole, Lessing L., Milwaukee, Wis. Cover lifter for roasters. 1,808,357; June 2.
Kolep, Peter, Los Angeles, Calif. Whirl toy. 1,793,407; Feb. 17.
Kolesza, Johann, Berlin, Germany. Fire escape. 1,824,279; Sept. 22.
Kolker, Albert H. (See Parchen, Vincent P., assignor.)
Kolla, John P., assignor to Holland Furnace Company, Holland, Mich. Smoke baffle for furnaces. 1,807,988; June 2.
Kollath, Francis C., Chicago, Ill. Grounded hand portable. 1,791,625; Feb. 10.
Kollath, Francis C., Chicago, Ill., assignor of one-half to D. Woodhead, Detroit, Mich. Electric connector. Re18,193; Sept. 15.
Kolle, Wilhelm, Frankfort-on-the-Main, J. Hallensleben, Hochst-on-the-Main, K. Streitwolf, and H. Bauer, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, New York, N. Y. Water soluble organic arsenic and antimony compounds and process of making the same. 1,815,979; July 28.
Koller, Robert, Baden, Switzerland. Apparatus for the automatic presentation of objects for sale. 1,816,732; July 28.
Koller, Robert, Baden, Switzerland. Reproduction of sound films. 1,825,529; Sept. 29.
Kolligs, Hans. (See Gehrts, A., and Kolligs.)
Kollinek, Kurt, Lichtenberg, Berlin, assignor to Knorr-Bremse Aktiengesellschaft, Berlin, Germany. Brake for aircraft. 1,802,724; Apr. 28.
Kollinek, Kurt, Karlshorst, Berlin, assignor to Knorr-Bremse Aktiengesellschaft, Lichtenberg, Berlin, Germany. Pressure medium brake and steering device for aircraft. 1,807,848; June 2.
Kölling, Johann, Duisburg, Germany, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water-tube boiler. 1,791,626; Feb. 10.
Kollmar, Herman L., assignor, by mesne assignments, to Sealcones, Inc., New York. Closing and sealing conical paper receptacles. 1,789,442; Jan. 20.
Kollmorgen Optical Corporation. (See Kruening, Karl, assignor.)
Kollsman Instrument Company. (See Kollsman, Paul, assignor.)
Kollsman, Paul, Woodhaven, N. Y., assignor to Kollsman Instrument Company, Inc., Brooklyn, N. Y. Indicator. Re18,072; May 19.
Kollsman, Paul, Woodhaven, N. Y., assignor to Kollsman Instrument Company, Inc., Brooklyn, N. Y. Indicator. Re18,306; Dec. 29.
Kollstede, George, Providence, R. I. Lighter. Des. 84,526; June 30.
Kolmer, Wilhelm, and E. Wirschinger, Augsburg, assignors to Maschinenfabrik Augsburg-Nurnberg, A. G., Augsburg, Germany. Fore gripper mechanism. 1,806,856; May 26.
Kolodny, Charles, Brookline, Mass. Card table. 1,803,804; May 5.
Kolodny, Charles, Brookline, Mass. Card table. 1,838,558; Dec. 29.
Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio transmission system. 1,792,746; Feb. 17.
Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio compass. 1,800,454; Apr. 14.
Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Indicator. 1,800,455; Apr. 14.
Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Electrical coupling system. 1,801,352; Apr. 21.
Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Directional radio system. 1,806,577; May 19.
Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio compass. 1,807,919; June 2.
Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio system. 1,821,650; Sept. 1.
Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio system. 1,828,705; Oct. 20.
Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio receiving system. 1,830,948; Nov. 10.
Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio beacon system. 1,831,011; Nov. 10.
Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Relay system and method. 1,834,283; Dec. 1.
Kolster, Frederick A., and G. G. Kruesi, Palo Alto, assignors to Federal Telegraph Company, San Francisco, Calif. Signal-receiving system. 1,787,582; Jan. 6.
Kolster, Frederick A., and G. G. Kruesi, Palo Alto, assignors to Federal Telegraph Company, San Francisco, Calif. Antenna system and method. 1,821,649; Sept. 1.
Kolster, Frederick A., and G. G. Kruesi, Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Oscillation generator and method. 1,828,706; Oct. 20.
Kolts, John H., Crafton, assignor to Pittsburg Water Heater Company, Pittsburgh, Pa. Thermostatic control valve. 1,828,501; Oct. 20.
Komarek-Greaves & Company, et al. (See Komarek, Gustav, assignor.)
Komarek, Gustav, Chicago, assignor of one-half to Komarek-Greaves & Company, Chicago, Ill., and one-fourth to G. MacPhail and one-fourth to C. Coryell, Bay City, Mich. Briquette composition and making briquettes. 1,796,465; Mar. 17.
Komenak, Albert J., assignor to The Excelsior Hardware Co., Stamford, Conn. Hasp for trunk locks. 1,827,319; Oct. 13.
Komenak, Albert J., assignor to The Excelsior Hardware Co., Stamford, Conn. Hasp plate for trunk locks. 1,836,759; Dec. 15.
Kommel, Harry, Brooklyn, N. Y. Card-table cover. Des. 83,407; Feb. 17.
Komorous, Joseph, Riverside, assignor to Parisian Novelty Co., Chicago, Ill. Key holding device. 1,814,710; July 14.
Komow, Albert, assignor to The U. S. Cloth Cutting Machine Co., Inc., New York, N. Y. Sharpening device. 1,795,781; Mar. 10.
Komp, George, sr., Hattiesburg, Miss., assignor, by mesne assignments, to General Ice Scoring Machine Company. Ice scoring machine. 1,820,464; Aug. 25.
Kompa, Fred W., Astoria, N. Y. Toilet-paper holder. 1,808,044; June 2.

Konchan, Anton W., Chicago, Ill. Sewing machine. 1,836,760; Dec. 15.
Koncitik, Charles, assignor of forty per cent to S. H. Kahn, Detroit, Mich. Brake-equalizing mechanism. 1,789,631; Jan. 20.
Koncitik, Charles, assignor of fifty per cent to S. H. Kahn, Detroit, Mich. Brake-operating means. 1,789,632; Jan. 20.
Kondo, Rennosuke, Tokyo, Japan. Apparatus for indicating whether suction quantity in an internal combustion engine is proper. 1,803,260; Apr. 28.
Kondo, Rennosuke, Tokyo, Japan. Operating system of internal combustion engines. 1,825,959; Oct. 6.
Kondolf, Mathias R., Lower Merion Township, Montgomery County, Pa., assignor to The Lox Seal Corporation, Brooklyn, N. Y. Art of tagging. 1,804,940; May 12.
Kondolf, Mathias R., Lower Merion Township, Montgomery County, Pa., assignor to The Lox Seal Corporation, Brooklyn, N. Y. Tagging. 1,822,660; Sept. 8.
Kondolf, Mathias R., Lower Merion Township, Montgomery County, Pa., assignor to The Lox Seal Corporation, Brooklyn, N. Y. Tagging. 1,822,661; Sept. 8.
Konieczny, Anton, Vienna, Austria. Magnifying apparatus. 1,793,623; Feb. 24.
König, Albert, assignor to the firm of Carl Zeiss, Jena, Germany. Microscope objective. 1,790,926; Feb. 3.
König, Albert, assignor to the firm: Carl Zeiss, Jena, Germany. Microscope objective. 1,791,276; Feb. 3.
König, Albert, assignor to the Firm Carl Zeiss, Jena, Germany. Telescope with Porro prism system. 1,793,428; Feb. 17.
König, Albert, assignor to the firm of Carl Zeiss, Jena, Germany. Direct vision, image-reversing prism system. 1,795,782; Mar. 10.
König, Georg, Berlin-Dahlem, Germany. Pencil sharpening device. 1,808,665; June 2.
Koning Theodore de, Brooklyn, N. Y. Instrument calibrating apparatus. 1,809,783; June 9.
Koning, Th de, Brooklyn, N. Y. Meter dial marking. 1,809,784; June 9.
Konn, Felix, Erie, Pa., assignor to General Electric Company. Signal and control system. 1,821,758; Sept. 1.
Könneker, Karl. (See Schumacher, Heinrich, assignor.)
Kōno, Yoshi, Tokyo, Japan. Device for moxa treatment. 1,831,669; Nov. 10.
Konoff, Alexander. (See Marcus, S., and Konoff.)
Konoff, Alexander, and A. Fuertinzer, assignors, by mesne assignments, to Margon Corporation, New York, N. Y. Eye set. 1,832,464; Nov. 17.
Konrad, Frank F., and E. W. Short, Sunnyvale, Calif. Electric switch. 1,788,349; Jan. 6.
Kontol Company, The. (See Myers, Clair A., assignor.)
Konzen, John J., San Francisco, Calif. Automobile desk. 1,822,973; Sept. 15.
Kooistra, John A., assignor to Whitin Machine Works, Whitinsville, Mass. Spindle driving mechanism. 1,820,310; Aug. 25.
Kookogey, Frederic F., New York, N. Y. Aeroplane. 1,818,067; Aug. 11.
Koon, Arthur J., Grand Rapids, Mich. Feed mechanism for bar and tube grinding machines. 1,790,668; Feb. 3.
Koon, Arthur J., Grand Rapids, Mich. Work rest for bar and tube grinding machines. 1,790,669; Feb. 3.
Koonce, Claude L. (See Brademeyer, C. L., and Koonce.)
Koons, Charles V., assignor to American Engineering Company, Philadelphia, Pa. Swivel hook. 1,806,469; May 19.
Koons, Charles V., assignor to American Engineering Company, Philadelphia, Pa. Safety guard for cable hooks and the like. 1,816,979; Aug. 4.
Koons, W. U. Furnace Company. (See Drews, Herbert, assignor.)
Koonz, John C. (See Dempster, B., and Koonz.)
Koonz, Frederick W., assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass. Spoon or similar article. Des. 85,529; Nov. 10.
Kooperstein, Louis, Astoria, assignor to West Disinfecting Company, Long Island City, N. Y. Liquid-soap-dispensing device. 1,789,338; Jan. 20.
Koopmans, Lambert C., Chicago, Ill. Adjustable brake rod jaw. 1,824,821; Sept. 29.
Koops, Carl, New York, assignor to J. P. Devine Manufacturing Co., Buffalo, N. Y. Impregnating apparatus. 1,805,145; May 12.
Koors, Albert A. (See Koster, P. J., and Koors.)
Kootz, Arthur C., Milwaukee, Wis. Combined mop and wringer. 1,802,948; Apr. 28.
Kootz, Arthur C., Milwaukee, Wis. Combined mop and wringer. 1,802,949; Apr. 28.
Kootz, Arthur C., Milwaukee, Wis. Mop construction. 1,805,490; May 19.
Kootz, Arthur C., Milwaukee, Wis. Shoe polisher. 1,823,690; Sept. 15.
Kooyoomjian, Karekin H., Providence, R. I. A combined finger and ring gauge. 1,827,702; Oct. 13.
Kopetka, Joseph P., Bloomfield, Nebr. Hog feeder. 1,815,512; July 21.
Kopf, Joseph B., Rockville Center, N. Y. Pad for saddles. 1,824,488; Sept. 22.
Kopf, Melrose G. (See Cunningham, John J., assignor.)
Kopikowski, Victor, Philadelphia, Pa. Gas container for aircraft. 1,806,470; May 19.
Kopke, James W. and H. M. Foddy, Brooklyn, N. Y. Outboard motor. 1,800,638; Apr. 14.
Koplin, Harry. (See Lindberg, Bernhard, assignor.)
Kopp Glass, Incorporated. (See Kopp, Nicholas, assignor.)
Kopp, Nicholas, Pittsburgh, assignor to Kopp Glass, Incorporated, Swissvale, Pa. Lighting-fixture bowl or similar article. Des. 83,683; Mar. 17.
Kopp, Nicholas, Pittsburgh, assignor to Kopp Glass, Incorporated, Swissvale, Pa. Lighting fixture bowl or similar article. Des. 84,351; June 9.
Kopp, Nicholas, Pittsburgh, assignor to Kopp Glass, Incorporated, Swissvale, Pa. Advertising sign. Des. 84,527; June 30.
Kopp, Nicholas, Pittsburgh, Pa., assignor to Kopp Glass, Incorporated, Swissvale, Pa. Light shade or similar article. Des. 85,049; Sept. 8.
Kopp, Nicholas, Pittsburgh, assignor to Kopp Glass, Incorporated, Swissvale, Pa. Lighting fixture bowl or similar article. Des. 85,384; Oct. 20.
Kopp, Nicholas, Pittsburgh, assignor to Kopp Glass, Incorporated, Swissvale, Pa. Making glass cylinders. 1,824,216; Sept. 22.
Koppe, Alexander T., Chicago, Ill. Photo-composing machine. 1,795,653; Mar. 10.
Koppe, Paul, Neuroessen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of pure sulphur. 1,816,084; July 28.
Koppe, Paul, Goehlitz, and G. Robbel, Neuroessen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of pure sulphur. 1,813,497; July 7.
Koppelman, Morris, Brooklyn, N. Y., assignor, by mesne assignments, to Holed-Tite Packing Corporation. Packing material and making same. 1,796,794; Mar. 17.
Koppers Company, The. (See Becker, Joseph, assignor.)
Koppers Company, The. (See Bragg, Gilbert A., assignor.)
Koppers Company, The. (See Christianson, Raynard, assignor.)
Koppers Company, The. (See Cole, Sandford S., assignor.)
Koppers Company, The. (See Collins, Carroll B., assignor.)
Koppers Company, The. (See Damm, Paul, assignor.)
Koppers Company, The. (See Gollmar, Herbert A., assignor.)
Koppers Company, The. (See Grant, Albert W., jr., assignor.)
Koppers Company, The. (See Jacobson, David L., assignor.)
Koppers Company, The. (See Kohr, Allison A., assignor.)
Koppers Company, The. (See Leyh, Ernst, assignor.)
Koppers Company, The. (See Lovett, James A. B., assignor.)
Koppers Company, The. (See Ramsburg, Charles J., assignor.)
Koppers Company, The. (See Sauchelli, Vincent, assignor.)
Koppers Company, The. (See Schmalenbach, Adolf, assignor.)
Koppers Company, The. (See Schulte, Johannes, assignor.)
Koppers Company, The. (See Seil, Gilbert E., assignor.)
Koppers Company, The. (See Shaw, Joseph A., assignor.)
Koppers Company, The. (See Sperry, Frederick W., jr., assignor.)
Koppers Company, The. (See Styrud, Sven G., assignor.)
Koppers Company, The. (See Van Ackeren, Joseph, assignor.)
Koppitz, Carl G., assignor to Railway and Industrial Engineering Company, Greensburg, Pa. High-tension switch. 1,793,177; Feb. 17.
Koppitz, Carl G., assignor to Railway and Industrial Engineering Company, Greensburg, Pa. Strain type disconnecting switch. 1,821,167; Sept. 1.
Koppl, Ernest, et al. (See Hamer, Leland S., assignor.)
Kops Bros. Inc. (See Duff, Ewen C., assignor.)
Kops Bros. Inc. (See Kops, Waldemar, assignor.)
Kops, Waldemar, assignor to Kops Bros. Inc., New York, N. Y. Apparel garment. 1,813,408; July 7.
Kops, Waldemar, assignor to Kops Brothers, Inc., New York, N. Y. Apparel garment. 1,833,325; Nov. 24.
Kopsho, Joseph D., Fullerton, Calif. Fishing line sinker. 1,802,260; Apr. 21.
Korab, Harry E., St. Louis, Mo. Sheath cutter. 1,798,683; Mar. 31.
Korach, Joseph, Company. (See Stromberg, David, assignor.)
Kordick, Frank, assignor to Regal Musical Instrument Co., Chicago, Ill. Plucked string musical instrument. 1,819,371; Aug. 18.
Koref, Fritz, and K. Moers, Berlin, Germany, assignors to General Electric Company. Coiled filaments and making them. 1,815,779; July 21.
Korenchan, John J., Chicago, Ill. Chilling unit. 1,820,746; Aug. 25.
Korge, Conrad, Oakland, Calif. Electrical device for marking paper. 1,795,564; Mar. 10.
Korn, Franklin A., Elizabeth, N. J., and F. S. Entz, New York, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,829,803; Nov. 3.
Korn, Harry, Brooklyn, N. Y., assignor to Artcraft Iron Works, Inc. Holder for beverage sets. Des. 84,895; Aug. 18.

Kornbeck, Ernest R., Copenhagen, Denmark. Automobile of the crawler type. 1,831,012; Nov. 10.
Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Table lamp. Des. 83,049; Jan. 13.
Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Lamp screen. Des. 83,814; Mar. 31.
Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Lamp screen. Des. 83,815; Mar. 31.
Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Lamp screen. Des. 83,816; Mar. 31.
Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Lamp screen. Des. 83,817; Mar. 31.
Kornblum, Morris, assignor to Metal Lamp Corporation, Brooklyn, N. Y. Lamp screen. Des. 83,841; Mar. 31.
Körner, Ernst, Stuttgart, Germany. Trolley. 1,822,300; Sept. 8.
Kornetz, Ewald E., et al. (See Jones, Ira M., assignor.)
Kornhauser, Sidney I. (See Johnson, S. E., and Kornhauser.)
Korns, Clarence C., Johnstown, Pa. Conduit support. 1,820,229; Aug. 25.
Koro Corporation. (See Kotchi, Charles J., assignor.)
Koro Corporation. (See Rode, Fredrich J., assignor.)
Koropp, Leopold, Chicago, Ill. Floral spray. 1,804,104; May 5.
Korten, Ernst. (See Schüle, R., and Korten.)
Korten, Ernst Fechenheim, near Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Hydrogenated hydroxy derivative of the diphenyl series and process for making. 1,809,204; June 9.
Kortepeter, Ralph E., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Battle order instrument. 1,816,436; July 28.
Korth, Herman, Eagle River, Wis. Canoe paddle. 1,817,414; Aug. 4.
Korthäuer, Theodor, Berlin-Siemensstadt, Germany, assignor, by mesne assignments, to American Telephone and Telegraph Company. Telephone system. 1,787,688; Jan. 6.
Korthäuer, Theodor, Berlin-Siemensstadt, Germany, assignor, by mesne assignments, to American Telephone and Telegraph Company. Telephone system. 1,790,382; Jan. 27.
Körting, Emil, San Francisco, Calif. Log-holding device for flat cars. 1,796,204; Mar. 10.
Kortz, Anthony T., Grand Rapids, Mich. Bracket mounting for pipes and the like. Des. 84,040; Apr. 28.
Korvin-Kroukovsky, Boris V., Beechhurst, assignor to Edo Aircraft Corporation, College, Point, N. Y. Landing-gear. 1,827,242; Oct. 13.
Korvin-Kroukovsky, Boris V., Beechhurst, and K. D. Vosler, College Point, Long Island, N. Y., assignors to Edo Aircraft Corporation. Percussive tool. 1,825,632; Sept. 29.
Korwin Flyer Company. (See De Korwin, Joseph, assignor.)
Kosak, Nathaniel. (See Knowland, R. G., and Kosak.)
Koscherak Siphon Bottle Works. (See Waltz, Anton F., assignor.)
Koschka, Krank, Brooklyn, N. Y. Internal combustion engine. 1,808,664; June 2.
Kosco, John, Trenton, N. J., and C. R. Appleton, Bristol, Pa. Table golf course. Des. 83,111; Jan. 20.
Kosfeld, Friedrich W., Brackwede, Germany. Screw tap. 1,789,237; Jan. 13.
Kosfeld, Wilhelm, Dortmund, assignor to Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Manufacture of pipe shelves, keystones, ring stones, and like articles. 1,788,837; Jan. 13.
Koshiol, Bernard J., St. Cloud, Minn. Running-board light. 1,800,083; Apr. 7.
Kosken, Wilho A., Inc. (See Buckingham, E., and Kosken, assignors.)
Kosken, Wilho A., Inc. (See Kosken, Wilho A., assignor.)
Kosken, Wilho A., Richmond Hill, assignor, by mesne assignments, to J. A. Inslee, New York, N. Y. Method of and apparatus for optical rectification. 1,797,267; Mar. 24.
Kosken, Wilho A., New York, N. Y., assignor to Wilho A. Kosken, Inc. Automatic monitor-system. 1,834,405; Dec. 1.
Koski, Hjalmar J. (See Smith, Arthur E., assignor.)
Koski, Matt W., Hoquiam, Wash. Shingle machine attachment. 1,806,979; May 26.
Koss, Anton J. (See Krasnodmsky John, assignor.)
Kossuth, Anneliese. (See Muller-Cunradi, M., and Kossuth.)
Kosten, Johannes, Grand Rapids, Mich. Feed mixer. 1,794,181; Feb. 24.
Koster, Carl M., Wichita, Kans. House numbering device. 1,831,181; Nov. 10.
Koster, Cornelius, Grand Rapids, Mich. Work carrier. 1,831,124; Nov. 10.
Köster, Friedrich, Frankfort-on-the-Main, Germany. Holder for photographic color filters. 1,829,867; Nov. 3.
Koster, Peter J., and A. A. Koors, Pleasant Ridge, Mich. Monorail system. 1,809,448; June 9.
Kostko, Jaroslaw K., Ferguson, Mo. Synchronous motor. 1,811,136; June 23.
Kosunen, Arvid K., Jamaica, N. Y. Cutting tool. 1,813,498; July 7.
Kotausek, Josef, Vienna, Austria. Reposing mat with foldable sun-blind. 1,827,477; Oct. 13.
Kotchi, Charles J., Chicago, assignor to Koro Corporation, Waukegan, Ill. Rod for welding. 1,789,656; Jan. 20.
Kotchi, Charles J., Chicago, assignor, by mesne assignments, to Koro Corporation, Waukegan, Ill. Composite welding wire or rod material. 1,797,289; Mar. 24.
Kotlan, Albert, Cicero, Ill. Stop light for automobiles. Des. 85,291; Oct. 6.
Kotlicke, Aaron L., assignor to M. Goldstein, Baltimore, Md. Coin purse. 1,824,354; Sept. 22.
Kott, Leo F., Detroit, Mich. Power hammer. 1,798,378; Mar. 31.
Kott, Leo F., Detroit, Mich. Power device. 1,798,379; Mar. 31.
Kötteritzsch, Friedrich, Breddin, near Wittenberge, Germany. Rail joint connection. 1,804,056; May 5.
Kottke, Rudolph A., Detroit, Mich. Holder for pans and covers. 1,800,646; Apr. 14.
Kottmann, August, assignor to Rheinische Metallwaaren und Maschinenfabrik Sömmerda Aktiengesellschaft, Sommerda, Germany. Drive for the stepped drums of calculating machines. 1,791,675; Feb. 10.
Kotzebue, Meinhard H., Tulsa, Okla. Combined feed water heater and steam condenser. 1,821,840; Sept. 1.
Kotzen, Earl L. (See Nestler, Paul R., assignor.)
Kotzin, Theodore, Los Angeles, Calif. Fastening and adjusting means for garments. 1,835,499; Dec. 8.
Kouba, Anton V., Verdigre, Nebr. Honeycomb-frame-handling pliers. 1,788,577; Jan. 13.
Koucourek, Henry, Chicago, Ill. Arc lamp. 1,823,656; Sept. 15.
Koufman, Abraham. (See Lichten, A. S., Koufman, and Shulik.)
Koun, Young Ho, New York, N. Y. Aircraft. 1,824,280; Sept. 22.
Koun, Young Ho, New York, N. Y. Dirigible helicopter. 1,828,607; Oct. 20.
Kountzman, Joseph M. (See Fleischli, J. A., and Kountzman.)
Kourtzman, Per A., Vartan, Sweden. Speedometer. 1,827,988; Oct. 20.
Kourtzman, Per A., Vartan, Sweden. Alarm apparatus for speedometers for vehicles. 1,827,989; Oct. 20.
Kourtzman, Per A., Vartan, Sweden. Locking device for speedometers for vehicles. 1,827,990; Oct. 20.
Kourtzman, Per A., Vartan, Sweden. Speed limit signal or indicating device for speedometers for vehicles. 1,828,053; Oct. 20.
Kouyoumjian, Haroutiun K., Providence, R. I., assignor to Ward Leonard Electric Company. Magnet and relay. 1,790,271; Jan. 27.
Kouyoumjian, Haroutium K., Providence, R. I., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 1,812,299; June 30.
Kouyoumjiam, Haroutiun K., Providence, R. I., assignor to Ward Leonard Electric Company. Alternating current controlling apparatus. 1,813,409; July 7.
Kouyoumjian, Haroutiun K., Providence, R. I., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 1,826,890; Oct. 13.
Kouyoumjian, Haroutiun K., Providence, R. I., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 1,828,054; Oct. 20.
Kouyoumjian, Haroutiun K., Providence, R. I., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 1,828,900; Oct. 27.
Kouyoumjian, Harontiun K., Providence, R. I., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 1,830,232; Nov. 3.
Kouyoumjian, Haroutiun K., Providence, R. I. Apparatus for heating liquids, coffee making, and the like. 1,831,013; Nov. 10.
Kouyoumjian, Haroutiun K., Providence, R. I., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 1,835,115; Dec. 8.
Kovacs, Gabor. (See Maknó, Jozsef, assignor.)
Kovacs, Theodor, Berlin, Germany. Clip for securing articles to cloth. 1,812,536; June 30.
Kovar, John R., and L. W., Owatonna, Minn. Cultivator structure. 1,824,603; Sept. 22.
Kovar, John R., and Louis W., Owatonna, Minn. Cultivator with sled frame. 1,803,332; May 5.
Kovar, John R., and L. W., assignors to Joseph J. Kovar Company, Owatonna, Minn. Harrow having spring teeth. 1,805,286; May 12.
Kovar, John R. and L. W., assignors to Joseph J. Kovar Company, Owatonna, Minn. Cultivator with three wheels. 1,824,602; Sept. 22.
Kovar, Joseph J., Company. (See Kovar, John R. and L. W., assignors.)
Kovar, Louis W. (See Kovar, John R. and L. W.)
Kovary, Eugene, New York, N. Y. Size divider. 1,790,157; Jan. 27.
Kowal, Walter, New York, assignor to Phoenix-Hermetic Company, Brooklyn, N. Y. Forming threaded caps for containers. 1,803,022; Apr. 28.
Kowal, Walter, New York, N. Y., assignor to Phoenix-Hermetic Company, Chicago, Ill. Blank feeding mechanism for punch presses. 1,805,336; May 12.
Kowalsky, Andrew, Oak Park, Ill., assignor to International Harvester Company. Harvester. 1,832,936; Nov. 24.
Kowan, Maurice H., Chicago, Ill. Irrigator. 1,820,076; Aug. 25.

Kowarick, Frederico A., Sao Paolo, Brazil. Valve gear for steam engines. 1,809,712; June 9.
Kowarick, Frederico A., Sao Paolo, Brazil. Lubricating the piston of engines. 1,827,661; Oct. 13.
Kozicz, Johann, Vienna, Austria. Method of and apparatus for making metal tubes. 1,800,023; Apr. 7.
Kozlay, Clarence V., New York, N. Y. Rigging for sailboats. 1,829,413; Oct. 27.
Kozlowski, Louis, Hamtramck, Mich. Insect trap. 1,823,365; Sept. 15.
Kraayenbrink, Cornelius, Madison, S. Dak. Stock watering trough. 1,802,432; Apr. 28.
Krabiel, William C., Winterset, Iowa. Furring strip anchor and using the same. 1,816,226; July 28.
Kracker, Herbert. (See Beck, K., and Kracker.)
Kracklauer, Aloysius C., Chicago, Ill. Filter. 1,830,664; Nov. 3.
Kračmer, Joseph, Brno, Czechoslovakia. Dam construction. 1,804,696; May 12.
Kradolfer, Ernesto, Mexico, Mex. Support for typewriter or other office appliance. 1,824,822; Sept. 29.
Kraemer, Ernst, Stuttgart, and K. Hörrmann, Ernstmuhl, near Hirsau, Germany. Protection against poisonous gases. 1,822,154; Sept. 8.
Kraemer, Louis, & Co. (See Steinberg, Solomon, assignor.)
Kraemer, Waldo L., Brooklyn, N. Y., and J. E. Garabrant, Montclair, N. J., assignors to Kearfott Engineering Company, Inc. Airport closure device. 1,813,242; July 7.
Kraenzlein, Georg, Frankfort-on-the-Main-Hochst, and R. Samesreuther, Butzbach in Hessen, Germany. Heat exchange device. 1,833,291; Nov. 24.
Krafft, Bert H., Oak Park, Ill. Golf tee. 1,800,647; Apr. 14.
Kraft, Charles, Jersey City, N. J. Support for electrically actuated fixtures. 1,805,988; May 19.
Kraft, Edward L., assignor to Martin-Parry Corporation, York, Pa. Windshield ventilator. 1,831,498; Nov. 10.
Kraft, Gustav F., Kansas City, Mo. Condiment holder. 1,807,160; May 26.
Kraft, Herman T., Akron, Ohio. Machine for building tire bands. 1,789,143; Jan. 13.
Kraft, Herman T., Akron, Ohio, assignor to The H. A. Husted Company, Detroit, Mich. Steering wheel. 1,804,993; May 12.
Kraft, Herman T., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making molds. 1,813,880; July 7.
Kraft, Max, Brooklyn, and J. Birnbaum, Bronx, N. Y. Finger ring guard. 1,809,045; June 9.
Kraft, Paul, New York, N. Y. Adjustable necktie holder. 1,837,325; Dec. 22.
Kraft-Phenix Cheese Corporation. (See Bell, Arthur W., assignor.)
Kraft-Phenix Cheese Corporation. (See Bell, A. W., and Eldredge, assignors.)
Krag, Erik L., Chicago, Ill. Bookstand. 1,815,304; July 21.
Krag, Franz K. (See Nelson, John V., assignor.)
Krag, Frank K., Chicago, and J. V. Nelson, Elmhurst, assignors to U. S. Manufacturing Corporation, Decatur, Ill. Pipe thread protector. 1,821,520; Sept. 1.
Krag, Grace M., Chicago, Ill. Hair dyeing apparatus. 1,824,087; Sept. 22.
Krah, Edward A., jr. (See Lapp, E., Krah, and Wolpert.)
Krahl, Walter L., Montclair, assignor to Arcturus Radio Tube Company, Newark, N. J. Vacuum tube. 1,802,950; Apr. 28.
Krahl, Walter L., Montclair, assignor to Arcturus Radio Tube Company, Newark, N. J. Tube construction. 1,814,316; July 14.
Krahl, Walter L., Montclair, assignor to Arcturus Radio Tube Company, Harrison, N. Y. Thermionic tube. 1,828,537; Oct. 20.
Krahl, Walter L., Montclair, assignor to Arcturus Radio Tube Company, Newark, N. J. Compensating device and compensating. 1,829,225; Oct. 27.
Krahl, Walter L., Montclair, assignor to Arcturus Radio Tube Company, Newark, N. J. Power conversion means for radio apparatus. 1,829,226; Oct. 27.
Krakau, Austin K., Sunbury, Pa. Electrical advertising apparatus. 1,835,311; Dec. 8.
Krakowsky, Moritz, Offenbach-on-the-Main, Germany. Sliding fastener. 1,831,570; Nov. 10.
Kramaroff, Richard. (See Schofield, E. R., and Kramaroff.)
Kramer, Andrew A. (See George, Ralph D., assignor.)
Kramer, Andrew A. (See Griffin, Alvah M., assignor.)
Kramer, Andrew A., Kansas City, Mo. Vehicle tank. Des. 83,684; Mar. 17.
Kramer, Andrew A., Kansas City, Mo. Trailer tank vehicle. Des. 85,187; Sept. 22.
Kramer, Andrew A., Kansas City, Mo. Tank. 1,797,212; Mar. 17.
Kramer, Andrew A., Kansas City, Mo. Vehicle tank. 1,815,625; July 21.
Krämer, Christian, Pankow, Germany, assignor to General Electric Company. Electrode structure for discharge devices. 1,797,958; Mar. 24.
Kramer, Edward F., New Iberia, La. Pressure-operated switch. 1,800,084; Apr. 7.
Kramer, Erwin. (See Zeh, L., Kramer, and Bollweg.)
Kramer, Erwin, Berlin, assignor to Hartstoff-Metall-Aktiengesellschaft, Berlin-Kopenick, Germany. Beetling mill with closed casing. 1,793,096; Feb. 17.
Kramer, Erwin, Berlin, assignor to Hartstoff-Metall-Aktiengesellschaft, Berlin-Kopenick, Germany. Disintegrating mill beetle. 1,793,097; Feb. 17.
Kramer, Erwin, Berlin, assignor to the firm: Hartstoff-Metall A. G., (Hametag), Berlin-Copenick, Germany. Grinding. 1,793,098; Feb. 17.
Kramer, Erwin, Berlin, assignor to the Firm Hartstoff-Metall Aktiengesellschaft, Berlin-Copenick, Germany. High-speed beetling mill. 1,798,886; Mar. 31.
Kramer, Erwin, Berlin, assignor to Hartstoff-Metall Aktiengesellschaft of Berlin-Copenick, Germany. Charging regulator. 1,802,658; Apr. 28.
Kramer, Erwin, Berlin, assignor to Hartstoff-Metall Aktiengesellschaft, Berlin-Kopenick, Germany. Beetling mill with closed casing. 1,814,559; July 14.
Kramer, Erwin, assignor to Hartstoff-Metall Aktien-Gesellschaft, Berlin, Germany. Manufacturing foil-shaped metal grains. 1,832,868; Nov. 24.
Kramer, Erwin, Berlin, assignor to the Firm of Hartstoff-Metall Aktien-Gesellschaft (Hametag), Berlin-Copenick, Germany. Mass core. 1,832,937; Nov. 24.
Kramer, Frank J., Melvindale, assignor of one-half to M. Wick, Detroit, Mich. Scaffold. 1,818,961; Aug. 11.
Kramer, Fred E., Charlotte, N. C. Hosiery holder for full-fashioned footing machines. 1,834,030; Dec. 1.
Kramer, George, assignor to M. S. Kramer, New York, N. Y. Lubricating apparatus for automobiles and the like. 1,828,934; Oct. 27.
Kramer, Gustav A., Concord, assignor to Shell Development Company, San Francisco, Calif. Refrigerating system. 1,829,096; Oct. 27.
Kramer, Joseph and R., Detroit, Mich. Kite. 1,814,811; July 14.
Kramer, Leonard H., Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio. Sheet feeding device. 1,828,323; Oct. 20.
Kramer, Marie S. (See Kramer, George, assignor.)
Kramer, Oskar, and L. Bub, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of carbon. 1,803,855; May 5.
Kramer, Paul H. (See Richards, W. A., and Kramer.)
Kramer, Rudolph. (See Kramer, Joseph and R.)
Kramer, Simon P., Cincinnati, Ohio. Filtering and apparatus therefor. 1,806,471; May 19.
Kramme, Harry C., San Antonio, Tex. Governor switch. 1,799,018; Mar. 31.
Kraner, Hobart M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,813,172; July 7.
Kranich, Frank N. G., Racine, Wis., assignor to International Harvester Company. Grain tank for harvesters. 1,811,055; June 23.
Krantz, Arthur J., assignor to The Reeves Manufacturing Company, Dover, Ohio. Fruit picking pail. 1,805,287; May 12.
Krantz, firm of, H. (See Hahn, Mathias, assignor.)
Krantz, Hubert. (See Hahn, Mathias, assignor.)
Krantz, Hubert K., Rockville Center, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Electrical switch. 1,792,311; Feb. 10.
Kranz, Hermann E., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for measuring variations in thickness of metallic bodies. 1,815,717; July 21.
Kranz, Philip, and A. P. Schmid, assignor to B. Wilmsen, Philadelphia, Pa. Automatic winding mechanism for fringe forming machines. 1,838,771; Dec. 29.
Kranzlein, Georg. (See Samesreuther, Richard, and Kranzlein.)
Kränzlein, Georg, and H. Vollmann, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing condensation products of the anthraquinone series. 1,792,169; Feb. 10.
Kränzlein, Georg, A. Wolfram, and E. Hausdörfer, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing isatin and derivatives thereof. 1,792,170; Feb. 10.
Kränzlein, Georg, C. Hartmann, and A. Hardt, Hochst-on-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Pigment dye and preparing it. 1,800,299; Apr. 14.
Kranzlein, Georg, H. Greune, Frankfort-on-the-Main-Hochst, M. Thiele, Frankfort-on-the-Main, and K. Hager, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Paper colored with sulphonic acid compounds of dyestuffs obtainable from higher molecular diarylamino-benzoquinones. 1,798,544; Mar. 31.
Kranzlein, Georg, C. Hartmann, and A. Hardt, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Pigment dye and preparing it. 1,800,300; Apr. 14.
Kränzlein, Georg, and H. Vollmann, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing and printing vegetable fibers. 1,823,946; Sept. 22.
Kränzlein, Georg, H. Vollman, and M. Corell, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs and preparing them. 1,825,740; Oct. 6.

Kränzlein, Georg, and A. Voss, Hochston-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-theMain, Germany. Tanning substance and preparing same. 1,825,802; Oct. 6.
Kränzlein, Georg, H. Vollmann, H. Greune, and A. Wolfram, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation products of the anthrone series and process of preparing them. 1,837,326; Dec. 22.
Krase, Herbert J., Clarendon, Va., H. C. Hetherington, Washington, D. C., and L. A. Pinck, Passaic, N. J., assignors to A. B. Lamb, trustee. Fertilizer material. 1,797,095; Mar. 17.
Krasne, Isidore, Tulsa, Okla. Needle plate worktable. 1,826,940; Oct. 13.
Krasnodmsky, John, assignor of fifteen per cent to A. J. Koss, Milwaukee, Wis. Fuel tank. 1,831,418; Nov. 10.
Krasnoff, Bernard, Brooklyn, N. Y. Artificial denture. 1,792,226; Feb. 10.
Krasnow, Philip, Brooklyn, N. Y. Finger ring. Des. 83,453; Feb. 24.
Krastel, Jacob P., assignor of one-half to W. A. Krastel, Wilmington, Del. Aeroplane. 1,830,878; Nov. 10.
Krastel, William A. (See Krastel, Jacob P., assignor.)
Krastin, Arnold. (See Stoltz, C. A., and Krastin.)
Kratochwill, Rudolph A., Greeneville, Tenn. Violin bow. 1,835,407; Dec. 8.
Kratt, William, New Brunswick, N. J. Pitch pipe. 1,796,795; Mar. 17.
Kratz, Edouard M., Chicago, Ill. Sheet material. 1,837,555; Dec. 22.
Kratzer, Herbert J., St. Louis, Mo. Power transmission system. 1,817,006; Aug. 4.
Kratzer, Herbert J., St. Louis, Mo. Electric air-break switch. 1,825,002; Sept. 29.
Kratzer, Herman, Ellsworth, Kans. Poultry trough. 1,798,208; Mar. 31.
Kratzer, W. H., Company, The. (See Somers, Louis E., assignor.)
Krauch, Carl, Ludwigshafen-on-the-Rhine,, M. Pier and A. Eisenhut, Heidelberg, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Purification of hydrogenation products of carbonaceous materials. 1,822,351; Sept. 8.
Krauch, Carl, and M. Müller-Cunradi, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of hydrocarbons of high molecular weight. 1,823,495; Sept. 15.
Krauch, Emil. (See Nawiasky, P., and Krauch.)
Krauel, Philip L., assignor to Standard Oil Company, Whiting, Ind. Distilling hydrocarbon oils. 1,789,004; Jan. 13.
Krauer, Karl. (See Mayer, B., Krauer, and Siebenbürger.)
Kraus, Frank H., Wisconsin Rapids, Wis. Loader. 1,815,780; July 21.
Kraus, Henry, Yonkers, N. Y. Pillow or similar article. Des. 83,818; Mar. 31.
Krause, A. (See Nawiasky, P., and Krause.)
Krause, Alexander R., Hollywood, Calif. Wrist watch bracelet. Des. 85,188; Sept. 22.
Krause, Arnold R., assignor to Gillette Rubber Company, Eau Claire, Wis. Tire tread cutting machine. 1,823,611; Sept. 15.
Krause, Artur. (See Luttringhaus, A., Nawiasky, and Krause.)
Krause, Carl H., assignor to Sloan Valve Company, Chicago, Ill. Diaphragm for flush valves. 1,836,976; Dec. 15.
Krause, Clarence C., Chattanooga, Tenn. Piston. 1,810,279; June 16.
Krause, Henry, New York, N. Y. Clip structure for fountain-pen caps, pencils and the like. 1,808,045; June 2.
Krause, Max, Chicago, Ill. Chair. 1,802,606; Apr. 28.
Krause, Max, Chicago, Ill. Chair. 1,802,607; Apr. 28.
Krause, Max, Chicago, Ill. Chair. 1,802,608; Apr. 28.
Krause, Max, Chicago, Ill. Chair. 1,802,609; Apr. 28.
Krause, Max E. (See King, W. G., and Krause.)
Krause, Norman R., assignor to J. I. Case Company, Racine, Wis. Combination harvester-thrasher. 1,820,570; Aug. 25.
Krause, Paul. (See Taylor, Harry, assignor.)
Krause, Richard F., assignor to The Enterprise Aluminum Company, Massillon, Ohio. Steam valve for waterless cookers. 1,791,361; Feb. 3.
Krausewerk Aktiengesellschaft. (See Syhre, Alfred, assignor.)
Krauss, Friedrich E., Schwarzenberg, Germany. Bathtub. 1,797,777; Mar. 24.
Krauss, Richard, Breslau, Germany. High-pressure water pipe. 1,801,091; Apr. 14.
Krausz, Armin, Bratislava, Czechoslovakia. Pivoted window. 1,792,017; Feb. 10.
Krausz, Arthur F., Boston, Mass. Abrading tool. 1,812,488; June 30.
Krausz, Arthur F., Boston, Mass. Arch support. 1,820,747; Aug. 25.
Kraut, John, Brooklyn, N. Y. Trestle or saw horse. 1,819,780; Aug. 18.
Kraut, Max, San Francisco, Calif. Selectively floating one or more minerals contained in ore pulp. 1,802,919; Apr. 28.
Kraut, Samuel B., South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Cable terminal. 1,811,470; June 23.
Krauth & Benninghofen. (See Krauth, Marie W., assignor.)
Krauth, Marie W., assignor to Krauth & Benninghofen, Hamilton, Ohio. Autographic register. 1,806,544; May 19.
Krautzberger, Albert, Holzhausen, near Leipzig, Germany. Spraying or squirting process and apparatus therefor. 1,829,661; Oct. 27.
Kraxberger, Michael E., Buckingham, Colo. Corn harvesting apparatus. Re18,159; Aug. 18.
Krayer, John F., Flushing N. Y. Analytical balance. 1,834,848; Dec. 1.
Krchma, Ignace J. (See Bloomfield, G., Martin, and Krchma.)
Krchma, Ignace J. (See Edmonds, W. J., and Krchma.)
Krchma, Ignace J. (See Martin, J., and Krchma.)
Kreager, William A. J., Denver, Colo. Burner. 1,787,632; Jan. 6.
Kreager, William A. J., assignor, by mesne assignments, to Barque Royalty, Inc., Denver, Colo. Burner. 1,790,927; Feb. 3.
Kreager, William A. J., assignor, by mesne assignments, to Barque Royalty, Inc., Denver, Colo. High-pressure boiler. 1,793,178; Feb. 17.
Kreager, William A. J., assignor, by mesne assignments, to Barque Royalty, Inc., Denver, Colo. Boiler. 1,829,993; Nov. 3.
Kreager, William A. J., assignor, by mesne assignments, to Barque Royalty, Inc., Denver, Colo. Boiler. 1,835,500; Dec. 8.
Kreager, William A. J., assignor, by mesne assignments, to Barque Royalty, Inc., Denver, Colo. Retort or heater for use in heating liquids. 1,838,266; Dec. 29.
Kreamer, A., Inc. (See Flanagan, William B., assignor.)
Krebs, Arnold. (See Meyer, Gottfried, assignor.)
Krebs, Carlos, Boston, Mass. Reproducing mechanism. Re18,259; Nov. 24.
Krebs, Carlos, Boston, Mass. Reproducing machine 1,807,989; June 2.
Krebs, Ernest J., New Orleans, La. Spike attachment for shoes. 1,823,612; Sept. 15.
Krebs Pigment & Color Corporation. (See Broeker, John F., assignor.)
Krebs Pigment & Color Corporation. (See Hanahan, Marion L., assignor.)
Krebs Pigment & Color Corporation. (See Morris, Harold H., assignor.)
Krebs Pigment and Color Corporation. (See O'Brien, William J., assignor.)
Krebs Pigment & Color Corporation. (See Stephens, Thomas G., assignor.)
Krebs Pigment & Color Corporation. (See Seguine, William, jr., assignor.)
Krebs Pigment & Color Corporation. (See Singmaster, J. A., and Colton, assignors.)
Krebs Pigment and Color Corporation. (See Specht, Norbert, assignor.)
Krebser, Adolf, and E. Wysard, assignors to "J. R. Geigy S. A.", Basel, Switzerland. Manufacture of oil and fat soluble azo dyestuffs. 1,819,957; Aug. 18.
Krech, Rudolph, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of vulcanized colored rubber. 1,796,656; Mar. 17.
Kreft, Frederick W., University City, and R. C. Oswald, Clayton, Mo. Kite. Des. 83,551; Mar. 3.
Kreft, William, St. Louis, Mo. Smoke abater. 1,794,908; Mar. 3.
Kreft, William, St. Louis, Mo. Fuel saving device. 1,802,023; Apr. 21.
Kregenow, Frank F. (See McRae, W. L., and Kregenow.)
Kreher, Max, Freiberg, assignor to Curt Ludwig, Annaberg, Germany. Floatless carburetor. 1,818,068; Aug. 11.
Kreher, Max, Freiberg, assignor to C. Ludwig, Annaberg, Germany. Floatless carburetor. 1,818,928; Aug. 11.
Kreidel, Hans, Wiesbaden, Germany. Lubricating gun. 1,793,492; Feb. 24.
Kreidel, Hans, Wiesbaden, Germany. Lubricant compressor. 1,793,493; Feb. 24.
Kreider, Enos H., Lancaster, Pa. Vehicle shock absorber. 1,812,244; June 30.
Kreider, Irvin K., Lancaster, Pa. Silo elevator. 1,817,693; Aug. 4.
Kreielsheimer, William, New York, N. Y. Muffler or similar article. Des. 83,552; Mar. 3.
Kreielsheimer, William, New York, N. Y. Scarf or similar article. Des. 83,862; Apr. 7.
Kreielsheimer, William, New York, N. Y. Textile fabric. Des. 84,196; May 19
Krein, Andrew J., assignor to The Faultless Manufacturing Company, Baltimore, Md. Union undergarment. 1,822,531; Sept. 8.
Kreiner, Friedrich, Furth, Germany. Door hinge. 1,824,217; Sept. 22.
Kreis, Oscar C., assignor to Continental Motors Corporation, Detroit, Mich. Manifold. 1,802,024; Apr. 21.
Kreis, Oscar C., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,810,917; June 23.
Kreis, Oscar C., assignor to Continental Motors Corporation, Detroit, Mich. Manifold. 1,817,382; Aug. 4.
Kreisinger, Henry. (See Van Brunt, J., Kreisinger, and Bernhard.)

Kreisinger, Henry, Piermont, assignor to International Combustion Engineering Corporation, New York, N. Y. Fuel preparing and handling systems. 1,814,560; July 14.
Kreisinger, Henry, Piermont, assignor to Combustion Engineering Corporation, New York, N. Y. Dust collector. 1,818,994; Aug. 18.
Kreisler, Jacques, New Rochelle, assignor to Jacques Kreisler & Co., New York, N. Y. Clasp for jewelry. 1,795,609; Mar. 10.
Kreisler, Jacques, New Rochelle, assignor to Jacques Kreisler Co., New York, N. Y. Terminal snap and loop connection for flexible wrist watch bands. 1,819,781; Aug. 18.
Kreisler, Jacques & Co. (See Kreisler, Jacques, assignor.)
Kreitner, Johann. (See Schneider, E., Ehrhart, and Kreitner.)
Krekeler, Frederick, Woodside, N. Y. Tobacco pipe reamer. 1,807,576; May 26.
Krell, George, Sapulpa, Okla. Pipe clamp. 1,806,944; May 26.
Krell, Joseph, Berlin-Pankow, Germany. Printing machine. 1,803,940; May 5.
Krell, Joseph, Berlin-Zehlendorf, Germany. Safety appliance. 1,812,245; June 30.
Krell, Joseph, Berlin-Zehlendorf, Germany. Printing machine. 1,816,733; July 28.
Krell, Joseph, Berlin-Zehlendorf, Germany. Printing machine for printing strips of material. 1,819,561; Aug. 18.
Krell, Otto, Berlin-Dahlem, Germany. Landing of airships. 1,802,025; Apr. 21.
Krell, Otto, Berlin-Dahlem, and H. Gerdien, Berlin-Grunewald, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electric arc lamp. 1,808,558; June 2.
Krementz & Company. (See Nobbé, Morris O., assignor.)
Krementz & Company. (See Simpson, Harrison D., assignor.)
Krem-Ko Company. (See Gallagher, George F., assignor.)
Kremmling, Otto, Hamersleben, near Oschersleben, Germany. Applying filling materials to pastry. 1,806,066; May 19.
Krenke, Otto A., assignor to Anker-Holth Manufacturing Company, Port Huron, Mich. Shock absorber. 1,833,490; Nov. 24.
Krenz, Rudolph, assignor to Buffalo Weaving and Belting Company, Buffalo, N. Y. Mounting and let off for beams of looms. 1,832,310; Nov. 17.
Krenzel, Walter, Leoti, Kans. Agricultural machine attachment. 1,826,551; Oct. 6.
Krenzke, Paul F., Chicago, Ill. Oven conveyer. 1,787,731; Jan. 6.
Krenzke, Paul F., Chicago, Ill. Apron conveyer. 1,804,423; May 12.
Krenzke, William F., assignor to Walker Manufacturing Company, Racine, Wis. Locking joint for folding jack handles. 1,798,163; Mar. 31.
Krenzke, William F., assignor to Walker Manufacturing Company, Racine, Wis. Lifting-jack handle. 1,801,012; Apr. 14.
Krenzke, William F., assignor to Walker Manufacturing Company, Racine, Wis. Lifting jack. 1,829,662; Oct. 27.
Kresge, S. S., Company. (See McCandlish, Edward, assignor.)
Kress, Claude W., New York, N. Y. Gun stock. Des. 85,338; Oct. 13.
Kress, Willard C., assignor to J. H. Williams & Co., Buffalo, N. Y. Pipe vise. 1,787,787; Jan. 6.
Kress, Willard C., Kenmore, assignor to J. H. Williams & Co., Buffalo, N. Y. Chain pipe tongs. 1,789,553; Jan. 20.
Kress, Willard C., Kenmore, assignor to J. H. Williams & Co., Buffalo, N. Y. Tools in sets and holder therefor. 1,810,108; June 16.
Kress, Willard C., Kenmore, assignor to J. H. Williams & Co., Buffalo, N. Y. Socket wrench. 1,811,137; June 23.
Kressaty, Albert, North Bergen, N. J. Ornamental article and making same. 1,823,613; Sept. 15.
Kretschan, Anton, Chicago, Ill. Hair waver. 1,813,243; July 7.
Kretzer, Jonas A. (See Hagey, F. P., and Kretzer.)
Kreuder, Frederick D., Brooklyn, N. Y. Reenforcement for concrete. 1,789,313; Jan. 20.
Kreuder, Frederick D., Brooklyn, N. Y. Reenforcement for concrete. 1,835,062; Dec. 8.
Kreutzberg, Otto A., Bethlehem, Pa. Pulverizer. 1,806,980; May 26.
Kreutzberg, Otto A., Fountain Hill Borough, Bethlehem, Pa. Feeder for pulverized material. 1,823,905; Sept. 22.
Kreutzer, Joseph, Corporation. (See Peterson, Albin K., assignor.)
Kreutzkamp, Louis, Maspeth, N. Y. Safety gas valve. 1,796,998; Mar. 17.
Krewson, Floyd H., Jake Prairie, Mo. Tool for removing tires. 1,827,850; Oct. 20.
Krey, Lydia P., Eugene, Oreg. Tray. 1,836,031; Dec. 15.
Krey, Willi. (See Binapfl, J., and Krey.)
Krial, Floyd R. (See Trimmer, L. V., and Krial.)
Kribs, Gordon, Niagara Falls, Ontario, Canada. Electrical protective system. 1,818,337; Aug. 11.
Kriebbaum, Ora, Delaware, Ohio. Rubber article. 1,793,703; Feb. 24.
Krick, Arthur E., Danville, Ind., assignor to The National Dry Kiln Company, Indianapolis, Ind. Liquid-supply device. 1,793,809; Feb. 24.
Krick, Arthur E., Danville, assignor to The National Dry Kiln Company, Indianapolis, Ind. Automatic lift. 1,833,292; Nov. 24.
Krick, Leonard B., Chicago, Ill., assignor to Popsicle Corporation of the United States, New York, N. Y. Confection. Des. 85,189; Sept. 22.
Krick, Vincent, Los Angeles, Calif. Steering wheel operated headlight. 1,821,220; Sept. 1.
Kridel, J., Sons & Co. (See Bader, Fred W. assignor.)
Krider, George E., Duncansville, assignor to McLanahan-Stone Machine Company, Hollidaysburg, Pa. Self-oiling bearing. 1,793,741; Feb. 24.
Krider, George E., Duncansville, Pa., assignor to McLanahan-Stone Machine Company, Hollidaysburg, Pa. Crusher roll. 1,824,088; Sept. 22.
Krieger, Elmer. (See Schrader, Henry W., assignor.)
Krieger, Franklin O., assignor to Refinoil Manufacturing Corporation, Kansas City, Mo. Apparatus for refining used oil. 1,820,871; Aug. 25.
Krieger, George F., Wisconsin Rapids, Wis. Portable power saw. 1,833,785; Nov. 24.
Krieger, Wilhelm, and R. Zahn, assignors to Kalle & Co., Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Diazo-types stabilized with a derivative of thiocarbonic acid and preparing them. 1,803,906; May 5.
Kriesmer, John J. (See Blixt, Gustaf F., assignor.)
Kriner, Herman W., Greensboro, N. C. Gasoline purifier. 1,819,424; Aug. 18.
Krippendorf, Paul F. W. C., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Last. 1,833,116; Nov. 24.
Krippner, Philip G., Green Bay, Wis. Electrical testing device. 1,835,882; Dec. 8.
Krissiep, Max, assginor to Textile Machine Works, Wyomissing, Pa. Automatic stop mechanism for braiding machines. 1,821,973; Sept. 8.
Kristensson, August. (See Thorssell, T., and Kristensson.)
Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Pencil. 1,836,535; Dec. 15.
Kristofek, Frank J., and O. W. Hammerquist, assignors to Brown & Bigelow, St. Paul, Minn. Pad-feeding means. 1,796,334; Mar. 17.
Kritchevsky, Wolf, Chicago, Ill. Combined dye and stripper. 1,810,661; June 16.
Kritchevsky, Wolf, Chicago, Ill. Combined dye and stripper. 1,810,662; June 16.
Kritchevsky, Wolf, assignor to Rit Products Corporation, Chicago, Ill. Decolorizing substance. 1,810,658; June 16.
Kritchevsky, Wolf, and C. J. Beckert, Chicago, Ill. Treating wood. 1,810,659; June 16.
Kirtchevsky, Wolf, and E. Morrill, Chicago, Ill., assignors, by mesne assignments to Sparkless Cleaner Company. Method of and composition for increasing the conductivity of hydrocarbons. 1,810,660; June 16.
Kritchevsky, Wolf, and H. C. Prutsman, assignors to Rit Products Corporation, Chicago, Ill. Stripper for fabrics. 1,810,663; June 16.
Kritchevsky, Wolf, and H. C. Prutsman, assignors to Rit Products Corporation, Chicago, Ill. Dye remover. 1,810,664; June 16.
Kritchevsky, Wolf, and H. C. Prutsman, assignors to Rit Products Corporation, Chicago, Ill. Fabric stripper. 1,810,665; June 16.
Krive, James D., assignor to International Shoe Company, St. Louis, Mo. Treeing jack. 1,836,717; Dec. 15.
Krivig, Stephen J., Hillside, N. J., assignor to Baker & Company, Inc. Tooth mount. 1,833,219; Nov. 24.
Krob, Joseph S. (See Ross, I. W., and Krob.)
Krob, Joseph S., et al. (See Ross, I. W., and Krob, assignors.)
Kroch, Emeric, New York, N. Y. Producing carbon black. 1,815,851; July 21.
Kroder Reubel Company, The. (See Bond, Lester W., assignor.)
Kroder Reubel Co., The. (See Reubel, Henry, assignor.)
Kroeger, Edwin J., and J. R. Gammeter, Akron, Ohio; said Kroeger assignor to said Gammeter. Pipe coupling. 1,800,085; Apr. 7.
Kroeger, Ferdinand J. (See Hohnhorst, F. J., and Kroeger.)
Kroehler Manufacturing Company. (See Knosher, Adolph, assignor.)
Kroesen, Jay C., Belleville, N. J. Picture screen. 1,817,630; Aug. 4.
Krogan, Abner H., Stanley, Wis. Cutter. 1,826,891; Oct. 13.
Krogan, Abner H., Stanley, Wis. Ensilage harvester. 1,832,989; Nov. 24.
Kroger, Bernard J., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Translating system. 1,801,867; Apr. 21.
Kroger, Fred H., Ridgewood, N. J., assignor to Radio Corporation of America. Preventing interference. 1,829,523; Oct. 27.
Krogh, Anker E., assignor to The Brown Instrument Company, Philadelphia, Pa. Control apparatus. 1,827,528; Oct. 13.
Krogstad, Hilda A., Knox, N. Dak. Hen's nest. 1,827,944; Oct. 20.
Kroldrup, Otto, Colon, Cuba. Combined flash light and writing pad. 1,818,855; Aug. 11.

Krolman, Walter J., Flushing, N. Y. Lifeboat. 1,833,326; Nov. 24.
Krolzig, Karl, Berlin-Oberschoneweide, Germany, assignor to Locke Insulator Corporation, Baltimore, Md. Clamp for conductors. 1,819,750; Aug. 18.
Krom, Myron E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,837,448; Dec. 22.
Kromer, Theodor, Freiburg, assignor to T. Kromer Gesellschaft mit beschränkter Haftung, Freiburg, in Breisgau, Germany. Lock. 1,803,531; May 5.
Kromer, Theodor, assignor to Theodor Kromer Gesellschaft mit beschränkter Haftung, Freiburg Im Breisgau, Germany. Door latch. 1,829,938; Nov. 3.
Kromer, Theodor, Gesellschaft mit beschränkter Haftung. (See Kromer, Theodor, assignor.)
Kromidas, George, et al. (See Hoffman, David E., assignor.)
Kronawert, Winfield S., Butte, Mont., assignor of one-third to J. Q. and P. P. Adams, Sylvan Lake, Alberta, Canada. Safety bank booth structure. 1,836,670; Dec. 15.
Kronborg, Kristian. (See Palmer, C. B., and Kronborg.)
Krone, Christian C., assignor of one-half to A. H. Murray, Momence, Ill. Can labeling machine. 1,812,007; June 30.
Krone, Frederick W., San Francisco, Calif. Tire structure. 1,789,761; Jan. 20.
Krone, Frederick W., San Francisco, Calif. Tube securing means. 1,811,944; June 30.
Kronenberg, Rudolf, Haus Kronenberg, Germany. Rolling mill. 1,811,586; June 23.
Kröner, Gerhard, Cologne-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the Main, Germany. Manufacture of finely divided active carbon. 1,815,781; July 21.
Kröner, Gerhard, Cologne-on-the-Rhine, and F. W. Stauf, Cologne-Deutz, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Regeneration of active silica gel. 1,806,690; May 26.
Kronfeld, Maxim, New York, N. Y. Book-cover protector. 1,793,232; Feb. 17.
Kronheim, Jacob, Cleveland, Ohio. Chair seat and couch bottom. 1,808,926; June 9.
Kronig, Christian. (See Weis, Franz, assignor.)
Kronmiller, Carl G., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Tape dispensing device. 1,809,940; June 16.
Kronmiller, Carl G., Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Valve bag. 1,819,425; Aug. 18.
Kronmiller, Carl G., Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Cutting and delivery apparatus for bag lengths. 1,825,405; Sept. 29.
Kronmiller, Charles W., Fort Wayne, Ind., assignor to General Electric Company. Transformer. 1,839,038; Dec. 29.
Kronoff, Clarence R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical warp stop motion. 1,817,154; Aug. 4.
Kronquest, Alfred L. (See O'Neil, J. H., and Kronquest.)
Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Interior collar can. 1,825,596; Sept. 29.
Kronstad, Haavard, Bessemer, Pa., assignor to The Bessemer Cement Corporation. Kiln and the like. 1,793,408; Feb. 17.
Kronstadt, Max, Brooklyn, N. Y. Wedding ring or similar article. Des. 85,103; Sept. 15.
Kröpelin, Franz, Duren in Rheinland, Germany. Water-tube boiler. 1,796,604; Mar. 17.
Kropff, Wilhelm, Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,791,899; Feb. 10.
Kropff, Wilhelm, Berlin-Charlottenburg, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,818,338; Aug. 11.
Kropp, Walter. (See Rosenthal, L., and Kropp.)
Kropp, Walter, Elberfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Condensation product of alpha beta disubstituted acroleins with primary aromatic amines. 1,834,849; Dec. 1.
Kropp, Walter, Elberfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Schiff's bases derived from alpha substituted cinnamylaldehydes. 1,834,850; Dec. 1.
Kröppelin, Johannes, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. System of voltage regulation. 1,819,469; Aug. 18.
Krös, Josef, Frankfort-on-the-Main, Germany. Arrangement for searchlight lamps. 1,799,911; Apr. 7.
Kross, Walter. (See Schirmacher, Schlichenmaier, Kross, Schaich, Tampke, and Neumann.)
Krotee, Walter E., Philadelphia, Pa. Insulated driving connection. 1,817,517; Aug. 4.
Krotzer, Frederick A., and W. B. Crandall, Westfield, N. Y. Luminous sign. 1,818,980; Aug. 18.
Kruckenberg, Franz. (See Heyner, Fritz, assignor.)
Kruckenberg, Franz, and W. Black, Heidelberg, Germany; said Black assignor to said Kruckenberg. Arrangement for guiding suspended high-speed railway vehicles. 1,789,872; Jan. 20.
Krudwig, Louis J. (See Smelik, F., and Krudwig.)
Krueger, Albert J., North Branch, Minn. Fountain-pen holder. 1,799,049; Mar. 31.
Krueger, August C. (See Luek, H. W., and Krueger.)
Krueger, Frederick, Huntington, N. Y. Dutch mill shop. Des. 85,530; Nov. 10.
Krueger, Henry, Spokane, Wash. Combination shade and shutter with automatic locking means. 1,810,771; June 16.
Krueger, Henry C. (See McPhee, W. F., and Krueger.)
Krueger, Homer G. (See Gilleland, J. W., McHenry, and Krueger.)
Krueger, Maurice G., New Ulm, Tex. Agricultural implement. 1,787,909; Jan. 6.
Krueger, Robert B. (See Snyder, H. W., and Krueger.)
Krueger, Robert B. (See Thorburn, D. B., and Krueger.)
Krueger, Werner, Miami, Fla. Traveling bag. 1,823,403; Sept. 15.
Krueger, William C. F., Detroit, Mich. Liquid vending machine. 1,804,785; May 12.
Krueger, William E. (See Steinmayer, A. G., and Krueger.)
Krueger, William E., assignor to Line Material Company, South Milwaukee, Wis. Reflector-attaching structure for lamps. 1,794,523; Mar. 3.
Krueining, Karl, Jamaica, assignor to Kollmorgen Optical Corporation, Brooklyn, N. Y. Lens mount. 1,792,171; Feb. 10.
Kruening, Karl, Jamaica, assignor to Kollmorgan Optical Corporation, Brooklyn, N. Y. Lens mounts. 1,831,626; Nov. 10.
Kruening, Karl, Jamaica, assignor to Kollmorgan Optical Corporation, Brooklyn, N. Y. Lens mounts. 1,831,627; Nov. 10.
Kruesi, Geoffrey G. (See Kolster, F. A., and Kruesi.)
Kruesi, Geoffrey G., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Aerial navigation system and method. 1,820,004; Aug. 18.
Kruesi, Geoffrey G., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radioantenna system. 1,820,571; Aug. 25.
Kruft, Joseph, Rockaway, N. J., assignor to American Gauge Corporation. Liquid level gauge. 1,830,116; Nov. 3.
Krug, Philip, Hoisington, Kans. Automatic disk sharpener. 1,804,347; May 5.
Krug, Robert E., Granite City, Ill. Aeroplane. 1,817,007; Aug. 4.
Krug, Robert E., Granite City, Ill. Aeroplane. 1,817,008; Aug. 4.
Krug, William H., Taycheeda, and C. G. Akerberg, Oshkosh, assignors to Giant Grip Mfg. Co., Oshkosh, Wis. Flexible rubber bar pad for horseshoes. 1,795,868; Mar. 10.
Krüger, Albert, Berlin, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electron tube. 1,812,489; June 30.
Kruger, Franz. (See Pfleumer, H., Kruger, and Oexmann.)
Krüger, Hugo, Hoboken, N. J. Folding umbrella. 1,810,567; June 16.
Kruger, Kurt. (See Kloss, U., Peters, and Kruger.)
Kruggely, Max, Chicago, Ill. Cigarette holder. 1,792,379; Feb. 10.
Kruggely, Max, Chicago, Ill. Cigarette holder. 1,792,430; Feb. 10.
Kruglak, Edward T. (See Funk, W. F., and Kruglak.)
Kruglick, Harry. (See Nudelman, C. S., and Kruglick.)
Krugman, Arnold H. (See Harding, W. N., and Krugman.)
Krull, Antoni W., The Hague, Netherlands. Gas heated hot water radiator. 1,834,851; Dec. 1.
Krull, Hans, assignor to the Firm Feldmule, Papier- und Zellstoffwerke Aktiengesellschaft, Scholwin, near Stettin, Germany. Manufacture of cellulose films. 1,815,513; July 21.
Krum, Howard L. (See Morton, S., and Krum.)
Krum, Howard L. (See Morton, S., Krum, and Kleinschmidt.)
Krum, Howard L., Kenilworth, assignor to Teletype Corporation, Chicago, Ill. Telegraph printer. 1,796,378; Mar. 17.
Krumm, William L., Chicago, Ill. Box. 1,814,561; July 14.
Krummel, Frederic C., Brooklyn, N. Y. Airship construction. 1,801,202; Apr. 14.
Krupp, Fried. Aktiengesellschaft. (See Wilck, Ulrich, assignor.)
Krupp, Fried. Grusonwerk Aktiengesellschaft. (See Ullrich, Georg, assignor.)
Krupp, Herman, Seattle, Wash. Watch charm or similar article. Des. 83,863; Apr. 7.
Krupp, Louis, Brooklyn, N. Y. Mirror attachment for hand bags. 1,793,327; Feb. 17.
Kruschwitz, William F., Methuen, Mass. Laundry sorting and assembling device. 1,816,331; July 28.
Kruse, Albert J., Fredericksburg, Tex. Hay press. 1,796,205; Mar. 10.
Kruse, John F., Indianapolis, Ind. Bath cabinet. 1,797,916; Mar. 24.
Kruse, John R., East Orange, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Steam separator. 1,822,442; Sept. 8.
Kruse Manufacturing Company, The. (See Kruse, William H., assignor.)
Kruse, Maurice M., Long Island City, N. Y. Adjustable golf tee and anchor therefor. 1,803,907; May 5.
Kruse, Otto V., St. Davids, and C. W. Larner, Philadelphia, Pa., assignors to I. P. Morris & De La Vergne, Incorporated. Intake pipe and valve. 1,829,704; Oct. 27.

Kruse, Peter, assignor to E. W. Bliss Company, Brooklyn, N. Y. Machine for seaming can heads. 1,805,288; May 12.
Kruse, Peter, Brooklyn, assignor to E. W. Bliss Company, New York, N. Y. Can feeding machine. 1,828,324; Oct. 20.
Kruse, Ralph H., Pelham Manor, assignor to The Cambridge Instrument Company, Inc., Ossining, N. Y. String galvanometer. 1,797,237; Mar. 24.
Kruse, Robert, Berlin, assignor to Sleens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, bei Berlin, Germany. Telephone system. 1,809,046; June 9.
Kruse, Wilhelm, Wilhelmshagen near Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Connection for telegraph plants. 1,817,989; Aug. 11.
Kruse, William H., assignor to The Kruse Manufacturing Company, Incorporated, St. Louis, Mo. Burial vault. 1,792,431; Feb. 10.
Krusi, John, New York, N. Y. Embroidery. Des. 85,480; Nov. 3.
Krussand, Daniel, Oslo, Norway. Sail, mast, and rig for sailing boats and sailing vessels. 1,813,937; July 14.
Kruttschnitt, John, San Mateo, Calif. Dough cooking machine. 1,806,878; May 26.
Krzikalla, Hans, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Chromiferous azo dyestuffs. 1,828,055; Oct. 20.
Krzikalla, Hans, Mannheim, and K. Schnitzspahn, Offenbach-on-the-Main, Germany, assignors, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Preparation suitable for developing dyeings. 1,803,532; May 5.
Krzikalla, Hans, Mannheim, and F. Bluemmel, Seckenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Complex chromium compound of azo dyestuffs. 1,812,345; June 30.
Krzikalla, Hans, and H. Kaemmerer, Manheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New azo dyestuffs and metal compounds thereof. 1,815,782; July 21.
Krzikalla, Hans, Mannheim, and F. Bluemmel, Seckenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 1,822,044; Sept. 8.
Krzikalla, Hans, Mannheim, and F. Blümmel, Seckenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs containing chromium. 1,838,267; Dec. 29.
Ksellmann, Fred, Akron, Ohio. Pit mat for bowling alleys. 1,838,947; Dec. 29.
Ksoll, Joseph, Breslau, Germany. Aeroplane-supporting surface. 1,793,702; Feb. 24.
Kubacki, John S., Chicago, Ill. Nut lock. 1,804,348; May 5.
Kubatzky, Otto, Tulsa, Okla. Window ventilator. 1,809,518; June 9.
Kubatzky, Otto, Tulsa, Okla. Window ventilator. 1,836,852; Dec. 15.
Kubelka, Jerry, Ridgewood, N. Y. Weatherproof casement window construction. 1,814,936; July 14.
Kubias, Lillian R., Cedar Rapids, Iowa. Curtain stretcher. 1,789,144; Jan. 13.
Kubin, Van J., Brea, and P. Funderburk, Fullerton, Calif., assignors to Chiksan Oil Tool Co., Limited. Well reamer. 1,818,405; Aug. 11.
Kubis, Joseph A., Brownsville, Pa. Sanitary cover ring for meat grinders. 1,803,261; Apr. 28.
Kubler, Edwin C., St. Albans, assignor to American Lead Pencil Company, New York, N. Y. Display stand. Des. 83,864; Apr. 7.
Kubler, Frederick J., New York, N. Y., assignor to A. S. Campbell Company, East Boston, Mass. Windlace construction for vehicles. 1,804,371; May 5.
Kubler, Frederick J., New York, N. Y., assignor to A. S. Campbell Company, East Boston, Mass. Roof and pillar construction for automobile bodies. 1,805,461; May 12.
Kubler, Frederick J., New York, N. Y., assignor to A. S. Campbell Company, East Boston, Mass. Automobile body. 1,813,499; July 7.
Kubler, Frederick J., New York, N. Y., assignor to A. S. Campbell Company, East Boston, Mass. Vehicle body. 1,827,394; Oct. 13.
Kubler, Frederick J., New York, N. Y., assignor to A. S. Campbell Company, East Boston, Mass. Vehicle body construction. 1,827,395; Oct. 13.
Kubler, Frederick J., New York, N. Y., assignor to A. S. Campbell Company, East Boston, Mass. Hanging door. 1,831,455; Nov. 10.
Kubler, Johannes, Baden, Switzerland. Transformer. 1,813,857; July 7.
Kubler, Johannes, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Arrangement for direct-current rectifier supplying from transformers with absorption reactances. 1,800,838; Apr. 14.
Kubler, Johannes, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Transformer apparatus. 1,801,868; Apr. 21.
Kübler, Johannes, Baden, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Arrangement for disconnecting and removing series connected transformers from the circuit without causing disturbance. 1,815,153; July 21.
Kubler, Johannes, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electrical transformer. 1,826,794; Oct. 13.
Kubler, Johannes, and A. Haller, Baden, Switzerland. Electric system for voltage regulation. 1,808,559; June 2.
Kubon, Clifford W., Minneapolis, Minn. Butter cutter. 1,807,849; June 2.
Kucha, Charles L., Artesian, S. Dak. Mower guard. 1,810,081; June 16.
Kuchar, Joseph, assignor to Athey Truss Wheel Co., Chicago, Ill. Vehicle. 1,838,412; Dec. 29.
Kuchauskas, Charles, Waterbury, Conn. Spring door closer. 1,788,060; Jan. 6.
Kuchenbuch, Johann. (See Pungs, W., Eisenmann, and Kuchenbuch.)
Küchenmeister, Heinrich, Berlin, Germany. Transmitter for telephony. 1,789,104; Jan. 13.
Küchenmeister, Heinrich, Berlin, Germany. Method of and system for reproducing sounds. 1,799,378; Apr. 7.
Küchenmeister, Heinrich, Berlin, Germany. Film of magnetizable material for episcopic projection. 1,808,046; June 2.
Küchenmeister, Heinrich, Berlin, Germany. Sound reproducing device. 1,816,782; July 28.
Küchenmeister, Heinrich, Berlin, Germany. Recording sound for talking machines. 1,835,164; Dec. 8.
Küchenmeister, Heinrich, Berlin, Germany. Film for phonographic records. 1,836,124; Dec. 15.
Küchenmeister, Heinrich I., Berlin, Germany. Portable talking machine. 1,814,047; July 14.
Kuchenmeister, Heinrich J., Berlin, Germany. Method of and apparatus for making photographic phonograph record. 1,835,226; Dec. 8.
Kucher, Andrew A., Jersey City, N. J., assignor to Westinghouse Electric & Manufacturing Company. Refrigerating machine. 1,797,287; Mar. 24.
Kucher, Andrew A., Chester, Pa., assignor to Westinghouse Electric & Manufacturing Company. Refrigerator. 1,798,684; Mar. 31.
Kucher, Andrew A., Chester, Pa., assignor to Westinghouse Electric & Manufacturing Company. Refrigerator fan. 1,828,538; Oct. 20.
Kuchinsky, Matthew K., Irvington, N. J. Surface washing machine. 1,821,715; Sept. 1.
Kuck, Henry G., Peoria, Ill. Container. 1,825,670; Oct. 6.
Kuck, Henry G., assignor to Stuber & Kuck Co., Peoria, Ill. Flower holder. 1,831,308; Nov. 10.
Kucklinsky, Frederick W., Montclair, N. J. Transom or window control means. 1,818,406; Aug. 11.
Kuczorra, Wilhelm, Berlin, Germany. Advertising apparatus. 1,817,828; Aug. 4.
Kudela, Caroline, Beaver Dam, Wis., assignor to Paramount Textile Machinery Co., Chicago, Ill. Repairing looped fabrics. 1,815,008; July 14.
Kuehn, George F., Jackson Heights, N. Y., assignor to Eisemann Magneto Corporation, New York, N. Y. Magneto ventilation. 1,813,808; July 7.
Kuehn, George F., Jackson Heights, N. Y., assignor to Eisemann Magneto Corporation, New York, N. Y. Magneto breaker adjustment. 1,813,809; July 7.
Kuehn, Karl, Cologne, Germany. Driving crank for piston engines. 1,811,796; June 23.
Kuehn, Karl S., Minneapolis, Minn. Display counter. 1,790,383; Jan. 27.
Kuehn, Louis, assignor, by mesne assignments, to Milcor Steel Company, Milwaukee, Wis. Corner molding. 1,813,173; July 7.
Kuehn, Paul M. (See Jagschitz, K., and Kuehn.)
Kuehn, Paul M., assignor to The Bartlett Hayward Company, Baltimore, Md. Gas holder. 1,802,261; Apr. 21.
Kuehner, Charles P., North Providence, R. I. Chain and manufacturing the same. 1,793,099; Feb. 17.
Kuehner, Louis C., assignor to Handlan-Buck Manufacturing Company, St. Louis, Mo. Lamp housing. 1,788,723; Jan. 13.
Kuehner, Wilhelm, Providence, R. I. Strap tightener. 1,827,243; Oct. 13.
Kuehnle, George J. (See Streit, C. F., and Kuehnle.)
Kuemmerlein, Frederick W. and W. L., Milwaukee, Wis. Illuminated license plate. 1,792,018; Feb. 10.
Kuemmerlein, William L. (See Kuemmerlein, Frederick W. and W. L.)
Kuendig, Edward O., assignor, by mesne assignments, to A. S. Koenreich, Canton, Ohio. Air moving apparatus. 1,801,964; Apr. 21.
Kueneman, John R., Oakland, Calif. Grinding mill. 1,787,788; Jan. 6.
Kuenemann, John R., Oakland, assignor to L. S. Loeb, Berkeley, Calif. Mixing vat. 1,833,220; Nov. 24.
Kuenhold, Otto J., Cleveland, Ohio. Clothes drying rack. 1,820,026; Aug. 25.
Kuenhold, Otto J., Cleveland, Ohio, assignor to H. M. Sheer Company, Quincy, Ill. Thermostatic valve mechanism. 1,812,346; June 30.
Kuenstler, Richard, Washingtonville, N. Y. Change-making device. 1,807,789; June 2.
Kuenzel, S H Hunter, Kalamazoo, Mich. Vehicle motor mounting. 1,831,628; Nov. 10.
Kuenzel, S H Hunter, assignor to Checker Cab Manufacturing Corporation, Kalamazoo, Mich. Vehicle lamp housing. Des. 84,424; June 16.
Kuenzli, Walter A., Evansville, Ind., assignor to Servel Inc., New York, N. Y. Refrigerant composition. 1,808,604; June 2.

Kueppers, Frederick C., Hawthorne, N. J. Illumination detector for headlights. 1,802,976; Apr. 28.
Kuerts, Ernst, Stettin, Germany. Block paving machine and the like. 1,825,320; Sept. 29.
Kuester, August F., Clintonville, Wis. Trailer. 1,835,653; Dec. 8.
Kugel, Max, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Anthraquinone dyestuff. 1,821,019; Sept. 1.
Kugelman, Jack, Philadelphia, Pa. Stocking. 1,830,551; Nov. 3.
Kugler, Heinrich, assignor to J. Kessler, and G. Fischer, Zurich, Switzerland. Matchmaking machine. 1,797,350; Mar. 24.
Kugler, Herbert W. (See Sharer, S. S., Kugler, Smith, and Hurst.)
Kuhajda, Joseph, Maspeth, N. Y. Rotary engine. 1,807,414; May 26.
Kuhl, Leo, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Regulating continuously-working absorption refrigerating machines. 1,792,227; Feb. 10.
Kuhlemeier, Hermann, and J. Gerhard, Niederscheldenbach-Sieg, assignors to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Forging apparatus. 1,793,938; Feb. 24.
Kuhlman, Arthur L., Bay City, Mich. Caliper rule. 1,811,087; June 23.
Kuhlman, William A., Toledo, Ohio. Sectional knockdown tower for hoists. 1,819,031; Aug. 18.
Kuhlmann, Arthur H., et al. (See Cook, Eugene F., assignor.)
Kuhlmann, Louis H., et al. (See Cook, Eugene F., assignor.)
Kuhlmann Metal Weather Strip Company. (See Cook, Eugene F.)
Kuhn, Arthur, assignor to the firm Carl Still, Recklinghausen, Germany. Distillation and like column. 1,808,666; June 2.
Kuhn, Benjamin F., Cleveland, Ohio, assignor to Franklin Railway Supply Company. Sleeve joint. 1,795,867; Mar. 10.
Kuhn, Clarence W., North Milwaukee, assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 1,805,491; May 19.
Kuhn, Clarence W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 1,834,127; Dec. 1.
Kuhn, Ezekiel D. (See Steadman, E. E., and Kuhn.)
Kuhn, Frank, and L. H. Thomas, assignors to American Electrical Heater Company, Detroit, Mich. Electrical contact. 1,797,581; Mar. 24.
Kuhn, Frank, and L. H. Thomas, assignors to American Electrical Heater Company, Detroit, Mich. Electric plug. 1,821,553; Sept. 1.
Kuhn, Harry A. (See Oglesby, N. E., and Brown, assignors.)
Kuhn, Harry A. (See Sebastian, R. L., and Finkelstein, assignors.)
Kuhn, Harry A., and W. A. Boyle, Edgewood, Md.; said Boyle assignor to said Kuhn. Impregnation of filters. 1,798,164; Mar. 31.
Kuhn, George, Washington, D. C., assignor to Kuhn-White Laboratories, Inc., Baltimore, Md. Electric flash light. 1,832,563; Nov. 17.
Kuhn, George, Washington, D. C., assignor to Kuhn-White Laboratories, Inc., Baltimore, Md. Electric flash light. 1,832,564; Nov. 17.
Kühn, Ludwig, and E. Geissler, Charlottenburg, near Berlin, assignors to the Firm Dr. Erich F. Huth G. m. b. H., Berlin, Germany. High frequency current generating system. 1,802,563; Apr. 28.
Kuhn, Robert, assignor to American Electrical Heater Company, Detroit, Mich. Electric toaster. 1,826,475; Oct. 6.
Kuhn, Walter, Staten Island, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone testing system. 1,804,786; May 12.
Kuhn-White Laboratories, Inc. (See Kuhn, George, assignor.)
Kühn, Wilhelm, Frankfort-Eschersheim, Germany. Rotary engine. 1,825,741; Oct. 6.
Kühnert, Walter, Vienna, and M. Maurer, Klosterneuburg, Austria. Microphone. 1,809,713; June 9.
Kuhnert, Walter A., Los Angeles, Calif. Purifying borax. 1,812,347; June 30.
Kühns, Alexander, Berlin-Charlottenburg, and F. Kesselring, Berlin-Hermsdorf, Germany, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Switching equipment controlling high-voltage distributing lines. 1,824,903; Sept. 29.
Kuhns, William L., Clayton, N. M. Branding and dehorning chute. 1,805,405; May 12.
Kuhrt, Ernst, Berlin-Stegletz, assignor, by mesne assignments, to Brunsviga-Maschinenwerke Grimme, Natalis & Co., A.-G., Brunswick, Germany. Calculating machine. 1,792,644; Feb. 17.
Kuhrt, Ernst, Leipzig, assignor, by mesne assignments, to the Firm Brunsviga-Maschinenwerke Grimme, Natalis & Co., A.-G., Brunswick, Germany. Totalizer for calculating machines. 1,798,329; Mar. 31.
Kuiper, Gerhard C. R., Indianapolis, Ind., assignor to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 1,826,617; Oct. 6.
Kulair Corporation. (See Dunning, Elmer D., assignor.)
Kulicke, Frederick W., Philadelphia, Pa., assignor, by mesne assignments, to The Electrolock Manufacturing Company, Vicksburg, Miss. Preventing the stretching of flexible armor for electric conductors. 1,824,904; Sept. 29.
Kulik, Irving, Brooklyn, N. Y. Railway rail. 1,788,435; Jan. 13.
Kulik, Irving, Brooklyn, N. Y. Dental plate suction cup attaching means. 1,807,850; June 2.
Kulik, Irving, Brooklyn, N. Y., assignor to Cook Laboratories, Inc., Chicago, Ill. Syringe cartridge. 1,816,857; Aug. 4.
Kulka, Eugene R., assignor to C. D. Wood Electric Co. Inc., New York, N. Y. Flush-plug receptacle and manufacturing the same. 1,796,290; Mar. 17.
Kull, Walter A., and H. M. Denyes, Saginaw, assignors to General Motors Corporation, Detroit, Mich. Steering mechanism. 1,791,819; Feb. 10.
Kullander, Martin J., Calumet City, Ill. Strainer valve. 1,803,477; May 5.
Kullberg, Wallace L., Minneapolis, Minn. Ironing board. 1,819,821; Aug. 18.
Kullmer, Frank, assignor, by mesne assignments, to Soulé Steel Company, San Francisco, Calif. Metal window. 1,804,787; May 12.
Kulp, Catherine C., Philadelphia, Pa. Clasp. 1,826,181; Oct. 6.
Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Valve-spring lifter. 1,815,980; July 28.
Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Wrist-pin inserting tool. 1,825,742; Oct. 6.
Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Wrist-pin inserting tool. 1,825,873; Oct. 6.
Kulp Theftproof Lamp Company. (See Wanamaker, Ernest, assignor.)
Kulp, Walter L., New Haven, Conn. Making milk product. 1,799,303; Apr. 7.
Kulus, Matthew M., New York, assignor to Photoself Machine Corporation, Jamaica, N. Y. Automatic photographic apparatus. 1,820,230; Aug. 25.
Kulzinski, Mstislav, Reval, Tallinn, assignor to Eesti Patendi Aktsiaselts, Tallinn, Estonia. Closing shutter for tunnel ovens. 1,828,669; Oct. 20.
Kumagawa, Hachiro, Hongoku, Tokyo, and K. Shimomura, Nishiomachi, Hazugun, Aichiken, Japan. Preparing and separating the cellulose material, suitable for paper-manufacturing, from plant raw material with pith fiber. 1,818,897; Aug. 11.
Kumamoto, Jinichi, Tokio, Japan. Sleeper. 1,811,016; June 23.
Kumber, Frederick, Pittsburgh, Pa. Door fastener. 1,805,099; May 12.
Kumli, Charles F., assignor, by mesne assignments, to Selectograph Company, Chicago, Ill. Stencil sheet. 1,810,483; June 16.
Kumli, Charles F., assignor, by mesne assignments, to Selectograph Company, Chicago, Ill. Stencil sheet. 1,810,484; June 16.
Kummer, Charles J., assignor to Sheboygan Machine Company, Sheboygan, Wis. Sander feed mechanism. 1,792,228; Feb. 10.
Kummer, Frederick C., Wauwatosa, Wis. Studding anchor. 1,791,135; Feb. 3.
Kummer, Frederick C., Milwaukee, Wis., assignor to Kerner Incinerator Company. Hopper and check. 1,804,788; May 12.
Kummer, Fritz. (See Rast, J., Kummer, and Pauli.)
Kummerer, Wilhelm, Berlin, Germany, assignor to Radio Corporation of America. Oscillation circuit. 1,802,767; Apr. 28.
Kummerer, Wilhelm, Berlin assignor to Telefunken Gesellschaft für Drahtlose, Telegraphie m. b. H., Berlin, Germany. Valve transmitter arrangement. 1,809,630; June 9.
Kummerer, Wilhelm, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio system. 1,819,469; Aug. 18.
Kump, Ferdinand, Glendale, N. Y. Aquarium heater. 1,824,823; Sept. 29.
Kuna, Frank J. (See Lorang, Henry J., assignor.)
Kunberger, Albert F., Swarthmore, assignor to The United Gas Improvement Company, Philadelphia, Pa. Producing heating and illuminating gas. 1,792,172; Feb. 10.
Kunberger, Albert F., Swarthmore, assignor to The United Gas Improvement Company, Philadelphia, Pa. Gas scrubber. 1,835,954; Dec. 8.
Kunde, Charles C., assignor to Julius Aderer Inc., New York, N. Y. Clasp and clasp supported dental restoration. 1,819,296; Aug. 18.
Kunderd, Freiderika, Elkhart County, Ind. Shock absorbing landing strut for aeroplanes. 1,806,807; May 26.
Kundt, Walter, St. Gallen-Rotmonten, Switzerland. Sputum receptacle. 1,796,999; Mar. 17.
Kunian, Paul, and J. Sten, Minneapolis, Minn.; said Sten assignor to said Kunian. Permanent wave apparatus. 1,826,078; Oct. 6.
Kunin, Paul, and I. E. McElroy, Minneapolis, Minn.; said McElroy assignor to said Kunin. Hair curling apparatus. 1,806,472; May 19.
Kunitz, Hannibal A., Stratford, Conn. Oil burner. 1,832,131; Nov. 17.
Kunkel, Frederick H., assignor to Geuder, Paeschke & Frey Company, Milwaukee, Wis. Toggle press guard 1,821,651; Sept. 1.

Kunkel, Victor V. (See Mehline, Emil O., assignor.)
Kuno, Shichigoro, Ogden, Utah. Hoe. 1,805,289; May 12.
Kunst, Wilhelm, Barmen, assignor to H. Esser, Hilden, Germany. Manufacture of seamless tubes. 1,808,957; June 9.
Kunstdunger-Patent-Verwertungs Aktiengesellschaft. (See Larsson, Markus, assignor.)
Kunstdunger-Patent-Verwertungs-Aktiengesellschaft. (See Liljenroth, Frans G., assignor.)
Kunstdunger-Patent-Verwertungs Aktiengesellschaft. (See Wadsted, Bengt, assignor.)
Kuntz, Georgie E., executrix. (See Sturcke, Herman E.)
Kuntz, Minnie L., Whitefish, Mont. Dough raiser. 1,816,908; Aug. 4.
Kuntz, Rueben. (See Schultz, F., and Kuntz.)
Kuntz, William J., York, Pa. Limekiln. 1,808,851; June 9.
Kuntzsch, Emil R., St. Louis, Mo. Smoke abater and soot remover. 1,791,506; Feb. 10.
Kunz, Carl F., Phoenix, Ariz. Solar heater. 1,837,449; Dec. 22.
Kunz, Eric C. (See Tsang Ho, Ching, assignor.)
Kunz, Eric C., Montclair, N. J. Production of alcohol from aldehydes. 1,802,472; Apr. 28.
Kunz, George H., assignor to Chain Belt Company, Milwaukee, Wis. Link conveyer. 1,794,182; Feb. 24.
Kunz, Max A., Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacture of vat dyestuffs of the anthraquinone series. 1,803,395; May 5.
Kunz, Max A., F. G. von Rosenberg, Mannheim, and E. Gofferjé, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone series. 1,790,102; Jan. 27.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dibromodibenzanthrone. 1,791,215; Feb. 3.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs. 1,804,535; May 12.
Kunz, Max A., Mannheim, and K. Koeberle and E. Berthold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Halogen derivatives of dibenzopyrenequinones. 1,804,880; May 12.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of nitrogenous vat dyestuffs. 1,807,694; June 2.
Kunz, Max A., Mannheim, K. Koeberle, Ludwigshafen-on-the-Rhine, and W. Zerweck, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of mononitroanthanthrones. 1,822,045; Sept. 8.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New vat dyestuffs. 1,825,874; Oct. 6.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs. 1,825,875; Oct. 6.
Kunz, Max A., Mannheim, K. Koeberle, Ludwigshafen-on-the-Rhine, and W. Bruck, Mannheim, Germany, assignors to General Aniline Works Inc., New York, N. Y. Dyestuffs of the dibenzanthrone series. 1,837,274; Dec. 22.
Kunze, Guenther. (See Bernhard, E., and Kunze.)
Kunze, Willy, Bremen, Germany, assignor to Submarine Signal Company, Boston, Mass. Apparatus for receiving submarine signals. 1,797,351; Mar. 24.
Kunzer, Louis G., Oak Park, Ill. Locomotive draft inducers. 1,824,355; Sept. 22.
Kupetz, Adolph G., Bronx, assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machines. 1,794,464; Mar. 3.
Kupetz, Adolph G., Bronx, assignor to Underwood, Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,833,947; Dec. 1.
Kupetz, Adolph G., assignor, by mesne assignments, to Elliot-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,807,626; June 2.
Kupetz, Adolph G., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,813,410; July 7.
Kupetz, Adolph G., New Rochelle, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,812,100; June 30.
Kupfer, Theodore W., Rochester, N. Y. Key guard. 1,808,141; June 2.
Kupferschmid, Karl, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,826,006; Oct. 6.
Kupferstok, Max, New York, N. Y. Emblem plate or similar article. Des. 84,990; Sept. 1.
Kuplan, Abraham, assignor of one-half to A. W. Klachko, Los Angeles, Calif. Automobile radiator cap. Des. 84,153; May 12.
Kupper, Herman C., Inc. (See Anduze, Lucien, assignor.)
Kupper, Herman C. (See Lindley, Walter, assignor.)
Küppers, Johann, Homberg-Niederrhein, assignor to the Firm Sachtleben Aktiengesellschaft fur Bergbau und Chemische Industrie, Homberg, Niederrhein, Germany. Apparatus for drying. 1,819,102; Aug. 18.
Kurath, Franz. (See Cherry, C. A., and Kurath.)
Kurath, Franz, assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Electrical coil and manufacturing same. 1,816,680; July 28.
Kurek, John J., deceased, South Bend, Ind.; F. Wisniewski, administrator of said J. J. Kurek. Brake. 1,829,487; Oct. 27.
Kurie, Charles W., jr., and C. W. Ankeny, assignors to The Cycle Company, Colorado Springs, Colo. Thickener. 1,830,515; Nov. 3.
Kurie, Charles W., jr., and C. W. Ankeny, Colorado Springs, Colo. Compound spiral. 1,830,516; Nov. 3.
Kurkjian, Yervant H., Hawthorne, N. J., assignor to Carl J. Schmid, Inc., New York, N. Y. Machine for the treatment of rubber forming devices. 1,814,712; July 14.
Kurkjian, Yervant H., Hawthorne, N. J., assignor to Carl J. Schmid, Inc., New York, N. Y. Device for the removal of articles from formers. 1,814,713; July 14.
Kurkjian, Yervant H., Hawthorne, N. J., assignor to Carl J. Schmid, Inc., New York, N. Y. Bead forming device. 1,822,443; Sept. 8.
Kurlash Company, The. (See Christy, Robert T., assignor.)
Kurokawa, Rokuro, San Francisco, Calif. Lamp. Des. 83,865; Apr. 7.
Kurowski, Alfred F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,800,543; Apr. 14.
Kurowski, Alfred G. F., administrator. (See Kurowski, A. T. and E. N.)
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,794,524; Mar. 3.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and card-perforating machine. 1,807,920; June 2.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,821,099; Sept. 1.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,822,532; Sept. 8.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and card-perforating machine. 1,823,108; Sept. 15.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriter and card-perforating machine. 1,823,550; Sept. 15.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,825,743; Oct. 6.
Kurowski, Alfred G. F., Brooklyn, assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,835,165; Dec. 8.
Kurowski, Alfred T., Montrose, and E. N. Kurowski, Brooklyn; A. G. F. Kurowski, administrator of said E. N. Kurowski, deceased, assignors to Underwood Elliott Fisher Company, New York, N. Y. Writing machine. 1,838,844; Dec. 29.
Kurowski, Eric N. (See Kurowski, A. T. and E. N.)
Kurrein, Max, Charlottenburg, Germany. Output meter for working control. 1,817,922; Aug. 11.
Kurtenbach, Preston F., Brandt, S. Dak. Match box. 1,798,685; Mar. 31.
Kurtenbach, Preston F., Brandt, S. D. Corn picker and husker. 1,799,982; Apr. 7.
Kurth & Knapp Mfg. Co. (See Paquette, Cyril D., assignor.)
Kurtz, Charles F., Rock Island, Ill., assignor, by mesne assignments, to L. J. Shields, St. Paul, Minn. Vending-machine casing. Des. 83,112; Jan. 20.
Kurtz, Charles F., assignor of one-half to H. E. Long, Rock Island, Ill. Coin-operated vending machine. 1,794,856; Mar. 3.
Kurtz, Daniel W. B., jr., Baltimore, Md. Beveling machine. 1,805,735; May 19.
Kurtz, Daniel W. B., jr., Columbia, Mo. Bill fold or purse. 1,807,482; May 26.
Kurtz, Daniel W. B., jr., Columbia, Mo. Attachment for safety razor sets and the like, for drying the razor blades after shaving. 1,835,408; Dec. 8.
Kurtz, Henry F., Rochester, N. Y., assignor to Benneville Lloyd Singley, Meadville, Pa. Vehicle light. 1,810,216; June 16.
Kurtz, Paul J., Port Chester, N. Y. Garage-door opening and closing device. 1,792,019; Feb. 10.
Kurtz, William J., and F. H. Shelledy, Washington, D. C. Potato peeler. 1,799,562; Apr. 7.
Kurtz, William S., Ephrata, assignor to Noggle Shirt Company, Inc., Manheim, Pa. Shirt collar. 1,816,119; July 28.
Kurtze, Reimar C. F. (See Crawford, W. E., and Kurtze.)
Kurz, Heinrich, Duisburg-Ruhrort, assignor to Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Rail structure. 1,814,476; July 14.

Kurz, Heinrich, Duisburg-Ruhrort, Germany. Manufacture of rails with hardened heads. 1,828,325; Oct. 20.
Kurz-Kasch Company, The. (See Kasch, Henry J., assignor.)
Kusche, Walter, Berlin-Charlottenburg, R. Dahms, Charlottenburg, and F. Pfleiderer, Berlin-Charlottenburg, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt near Berlin, Germany. Telephone system. 1,795,494; Mar. 10.
Kusebauch, Anton K. (See Lower, N. M., Kusebauch, and Chalker.)
Kusebauch, Anton K., Bellevue, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Wrist pin locking mechanism. 1,824,021; Sept. 22.
Kushner, Andrew S., Beccaria, Pa. Invalid's cuspidor. 1,826,137; Oct. 6.
Kusiv, James J., Newark, N. J. Paper trimmer. 1,821,716; Sept. 1.
Kussman, William L. E., Racine, Wis. Ash receiver. 1,793,100; Feb. 17.
Kusterle, Frank, Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Furniture post end fitting. 1,806,945; May 26.
Kusterle, Frank, Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Crib lock. 1,824,905; Sept. 29.
Kusterle, Frank, Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Caster mounting means. 1,827,320; Oct. 13.
Küstermann, Willy. (See Otto, Franz, assignor.)
Kutchka, Karl G., Wilkinsburg, Pa. Glass-tank construction. 1,790,820; Feb. 3.
Kutsukian, Frank, Merxem-Antwerp, Belgium. Spring suspension. 1,788,061; Jan. 6.
Kutter, Herman L., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper-making machinery. 1,797,290; Mar. 24.
Kutter, Herman L., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper-making machinery. 1,797,291; Mar. 24.
Kutter, Herman L., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper-making machinery. 1,798,887; Mar. 31.
Kutter, Herman L., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper making machinery. 1,818,719; Aug. 11.
Kutter, Herman L., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper making machinery. 1,834,852; Dec. 1.
Kutter, Leopold. (See Fritsch, Egon, assignor.)
Kuttner Aktiengesellschaft. (See Küttner, Hugo, assignor.)
Küttner, Hugo, Dresden-A, assignor to Kuttner Aktiengesellschaft, Pirna-on-the-Elbe, Germany. Treating artificial silk cakes made by the spinning can process. 1,825,960; Oct. 6.
Kuturlash, Wasyl, Brooklyn, N. Y. Automobile top. 1,799,050; Mar. 31.
Kuusinen, Jarl, Haga, Finland, and A. Ytterberg, Hogberget, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electric power plant provided with automatic voltage regulation. 1,800,735; Apr. 14.
Kuwada, Gompei, Komedani-Mura, Kawabe-Gun, Japan. Antireverse latch (an improvement for dry-gas meters). 1,787,633; Jan. 6.
Kux, Albert S., Chicago, Ill. Wrapping machine. 1,814,166; July 14.
Kuykendall, Joseph E., San Antonio, Tex. Electrical contactor. 1,814,448; July 14.
Kuyser, Jan A., Sale, England, assignor to Westinghouse Electric & Manufacturing Company. Turbo-generator ventilation. 1,816,489; July 28.
Kuzell, Charles R. (See Fowler, M. G., Ralston, and Kuzell.)
Kvarnstrom, Alfred T., Detroit, Mich. Automobile brake. 1,834,162; Dec. 1.
Kvet, Edward J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Channeled strip material. 1,812,963; July 7.
Kwartin, Bernard, Brooklyn, N. Y. Method of and apparatus for recording and reproducing sound. Re18,090; June 2.
Kwartin, Bernard, Brooklyn, assignor to Radio Corporation of America, New York, N. Y. Apparatus for and method of photographically recording sound. Re18,255; Nov. 24.
Kwartin, Bernard, Philadelphia, Pa. Sound-reproducing instrument. 1,795,089; Mar. 3.
Kwartz, Emil, Seattle, Wash. Foldable rule. 1,804,789; May 12.
Kwik-Mix Concrete Mixer Co. (See Gilson, John P., assignor.)
Kylberg, Folke, Gottenborg, Sweden. Package for razor blades. 1,834,284; Dec. 1.
Kyle, Colin, Geneva, assignor, by mesne assignments, to United Reproducers Patents Corporation, St. Charles, Ill. Electrostatic sound reproducer. 1,789,554; Jan. 20.
Kyle, Colin, Geneva, assignor, by mesne assignments, to United Reproducer Patents Corporation, St. Charles, Ill. Electrostatic device for sound reproduction. 1,797,778; Mar. 24.
Kyle, Joseph M., Greene, Iowa. Hay fork. 1,820,279; Aug. 25.
Kyle, Nicholas W., Colfax, Ill. Hoisting device; 1,823,833; Sept. 15.
Kyle, Roger Q., Globe, Ariz. Cleaning, classifying, and grading apparatus for asbestos and other minerals. 1,790,429; Jan. 27.
Kyle, William D., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse box. Re18,020; Mar. 31.
Kyle, William D., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Fuse. 1,798,888; Mar. 31.
Kyle, William D., Milwaukee, assignor by mesne assignments to Line Material Company, South Milwaukee, Wis. Secondary rack. 1,799,470; Apr. 7.
Kyle, William D., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Expulsion fuse. 1,809,205; June 9.
Kyle, William D., assignor to Line Material Company, Milwaukee, Wis. Insulator and terminal. 1,821,221; Sept. 1.
Kyle, William D., assignor to Line Material Company, Milwaukee, Wis. Insulator. 1,821,222; Sept. 1.
Kynnersley, Thomas R. S., Bombay, India. Safety razor. 1,795,956; Mar. 10.
Kyrides, Lucas P., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Acridine dyes and making same. 1,822,490; Sept. 8.
L. C. L. Corporation, The. (See Woodruff, Graham C., assignor.)
L. G. S. Devices Corporation. (See Chryst, William A., assignor.)
L. G. S. Devices Corporation. (See Starkey, William C., assignor.)
L. G. S. Devices Corporation. (See Starkey, W. C., and Brownlee, assignors.)
L. & R. Manufacturing Company. (See Regero, Frank, assignor.)
Laabs, Eric H., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 1,837,224; Dec. 22.
Laas, Louis A., Maxwell, assignor of one-half to H. Conrads, Caldwell County, Tex. Agricultural apparatus. 1,828,670; Oct. 20.
La Bar, Bert G. (See Mylius, W. G., and La Bar.)
La Bar, Bert G., Union, N. J., assignor to Westinghouse Electric & Manufacturing Company. Meter device. 1,824,781; Sept. 29.
La Bar, Bert G., Union, and W. G. Mylius, Summit, N. J., assignors to Westinghouse Electric and Manufacturing Company. Recording demand meter. 1,834,406; Dec. 1.
La Barge, Joseph E., et al. (See Swift, William E., assignor.)
Labarge, Simon, et al. (See Harel, Eugene, assignor.)
Labaugh, James M. Paterson, N. J., and V. F. Miller, Queens Village, L. I.; said Labaugh assignor to American Telephone and Telegraph Company, and said Miller assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Calling dial. 1,812,964; July 7.
La Bauve, Duclise J. (See Siess, R. E., and La Bauve.)
La Belle, Henry. (See Sobczak, Joseph, assignor.)
La Belle Specialty Co. (See Cantor, Simon, assignor.)
La Belle Specialty Co. Inc. (See Kiwad, Michael, assignor.)
La Belle Specialty Co. (See Lo Castro, Frank, assignor.)
Labisky, Arthur H., and O. E. Zahn, assignors to The Barton Corporation, West Bend, Wis. Washing machine. 1,814,714; July 14.
La Bombard, Leon E., Waltham, and M. H. Sidebotham, West Newton, assignors to Specialty Automatic Company, Chelsea, Mass. Packaging band. 1,793,328; Feb. 17.
La Bombard, Leon E., Waltham, and M. H. Sidebotham, West Newton, Mass. Garment protector. 1,803,712; May 5.
La Bombard, Leon E., Waltham, and M. H. Sidebotham, Newtonville, assignors to Specialty Automatic Machine Company Chelsea, Mass. Partially sliced wrapped bread. 1,803,711; May 5.
La Bombard, Leon E., Waltham, and M. H. Sidebotham, Newtonville, assignors to Specialty Automatic Machine Company, Chelsea, Mass. Combination printing press. 1,819,751; Aug. 18.
Labombarde, Elie W., Nashua, N. H. Tubular box. 1,793,101; Feb. 17.
Labombarde, Elie W., Nashua, N. H. Paper box. 1,793,102; Feb. 17.
Labombarde, Harold S., assignor to The International Paper Box Machine Company, Nashua, N. H. Feeder for envelope machines. 1,808,142; June 2.
Laboratories, E. A., Inc. (See Aufiero, John M., assignor.)
Laboratoires Sevigne-Pearl. (See Pearl, Azariah Y., assignor.)
Labrély, Georges E., Chatou, France. Bladed shutter for photographic apparatus. 1,834,853; Dec. 1.
La Brie, Ludger E. (See Bendix, V., and La Brie.)
La Brie, Ludger E. (See Taylor, C. H., and La Brie.)
La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating means. 1,790,670; Feb. 3.
La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,794,857; Mar. 3.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Braking system. 1,801,748; Apr. 21.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,803,396; May 5.
La Brie, Ludger E., South Bend, Ind., assignor to Motor Industries, Inc., Chicago, Ill. Wheel. 1,812,882; July 7.

La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,821,168; Sept. 1.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,824,051; Sept. 22.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,824,052; Sept. 22.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake shoe. 1,825,671; Oct. 6.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Vehicle wheel. 1,828,972; Oct. 27.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,837,128; Dec. 15.
Labus, John W., Schenectady, N. Y., assignor to General Electric Company. Radiotransmission of facsimiles. 1,792,312; Feb. 10.
Lacambra, Vicente O., Barcelona, Spain. Double acting internal combustion engine. 1,825,961; Oct. 6.
Lace, William P., Denver, Colo. Dental impression band. 1,812,008; June 30.
Lacene Manufacturing Company. (See Cogswell, Leander A., assignor.)
Lacene Manufacturing Company. (See Johnston, James W., assignor.)
Lacey, Joseph S., Long Beach, Calif. Hydraulic casing control head. 1,802,564; Apr. 28.
Lacey, Joseph S., Long Beach, Calif. Pipe retainer for oil wells. 1,802,565; Apr. 28.
Lacey, Lucius G. (See Vieau, Harold F., assignor.)
Lacey, Paul H., assignor to P. F. Dresher, Los Angeles, Calif. Clothes stick. 1,831,743; Nov. 10.
Lach, Joseph S., Bridgeport, Conn. Internal radial multiple spindle drilling machine. 1,829,045; Oct. 27.
La Chall, Francis X., Los Angeles, Calif. Spring leaf lubricator. 1,809,244; June 9.
La Chance, Edouard, assignor to F. A. Whitney Carriage Company, Leominster, Mass. Brake. 1,801,747; Apr. 21.
Lachance, Modeste J., Louisville, Ky., assignor to W. F. Stimpson, Detroit, Mich. Compounding scale. 1,813,578; July 7.
La Chapelle, Edmond, Denver, Colo. Cam shaft operating gearing. 1,830,704; Nov. 3.
La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,810,485; June 16.
La Chappelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting mechanism. 1,837,275; Dec. 22.
La Chapelle, Fred N., and F. C. Eastman, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 1,802,900; Apr. 28.
Lacher, Jacob, Jamaica, N. Y. Running-board wardrobe trunk. 1,798,686; Mar. 31.
Lacher, Samuel, New York, N. Y. Fastener device for luggage. 1,817,518; Aug. 4.
Lachman, Arthur, Berkeley, assignor to Richfield Oil Company of California, Los Angeles, Calif. Refining mineral oils. 1,790,622; Jan. 27.
Lachman, Arthur, Berkeley, assignor to Richfield Oil Company of California, Los Angeles, Calif. Refining hydrocarbon oils. 1,809,170; June 9.
Lachman, Arthur, Berkeley, assignor to Richfield Oil Company of California, Los Angeles, Calif. Refining hydrocarbon oils with sulphonic acid salts. 1,826,138; Oct. 6.
Lachman, Arthur, Berkeley, assignor to Richfield Oil Company of California, Los Angeles, Calif. Refining hydrocarbon oils with copper salts. 1,826,139; Oct. 6.
Lachman, Arthur, Berkeley, assignor to Richfield Oil Company of California, Los Angeles, Calif. Refining hydrocarbon oils with cadmium salts. 1,826,140; Oct. 6.
Lachman, Arthur, Berkeley, assignor to Richfield Oil Company of California, Los Angeles, Calif. Refining hydrocarbon oils with mercury salts. 1,826,141; Oct. 6.
Lachman, Arthur, Berkeley, assignor to Richfield Oil Company of California, Los Angeles, Calif. Refining hydrocarbon oils with iron salts. 1,826,142; Oct. 6.
Lachman, Arthur, Berkeley, assignor to Richfield Oil Company of California, Los Angeles, Calif. Refining hydrocarbon oils with chromium salts. 1,826,143; Oct. 6.
Lachman, Arthur, Berkeley, assignor to Richfield Oil Company of California, Los Angeles, Calif. Refining hydrocarbon oils with manganese salts. 1,826,144; Oct. 6.
Lachman, Arthur, Berkeley, assignor to Richfield Oil Company of California, Los Angeles, Calif. Refining hydrocarbon oils with aluminum salts. 1,826,145; Oct. 6.
Lachman, Arthur, Berkeley, assignor to Richfield Oil Company of California, Los Angeles, Calif. Refining hydrocarbon oils with nickel salts. 1,826,146; Oct. 6.
Lachman, Arthur, Berkeley, assignor to Richfield Oil Company of California, Los Angeles, Calif. Refining hydrocarbon oils with cobalt salts. 1,826,147; Oct. 6.
Lack, Fred S. (See Washburn, B. A., and Lack.)
Lack Manufacturing Company. (See Washburn, B. A., and Lack, assignors.)
Lack, Rudolf, Basel, Switzerland. Turbine impeller. 1,788,307; Jan. 6.
Lackey, Robert A., Oak Park, Ill., assignor to The Payson Manufacturing Company. Caster. 1,823,657; Sept. 15.
Lackey, Robert M. (See Kleebauer, C. P., and Lackey.)
Lackie, Harry M., Madison, Wis. Incubator. 1,820,311; Aug. 25.
Lackner, Frederick, Pittsburgh, Pa., assignor to Neely Nut and Bolt Company. Manufacturing nuts. 1,793,939; Feb. 24.
Lackner, George H., Cincinnati, Ohio. Sign. Des. 83,866; Apr. 7.
Lackner Products Corporation. (See Lackner, Rolph J., assignor.)
Lackner, Rolph J., Ozone Park, assignor to Lackner Products Corporation, Brooklyn, N. Y. Traffic signaling system and signal. 1,805,406; May 12.
Lackner, Rolph J., Ozone Park, assignor to Lackner Products Corporation, Brooklyn, N. Y. Combined light globe and traffic signal. 1,809,785; June 9.
Lacks, Felix A., Pelham Manor, N. Y. Lady's woven hat. Des. 83,832; Mar. 24.
Laclede-Christy Clay Products Company. (See Williams, Herman P., assignor.)
Laclede Steel Company. (See Friberg, Bengt F., assignor.)
La Couture, Henry C., Hudson County, N. J., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 84,154; May 12.
La Couture, Henry C., Hudson County, N. J., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 84,833; Aug. 11.
La Crosse Rubber Mills Co. (See Funk, A. S., and Bott, assignors.)
Lacrotte, Nazaire, Paris, France. Shock absorber for motor vehicles. 1,791,415; Feb. 3.
Lacy, Burritt S., Red Bank, N. J., assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company, New York, N. Y. Production of formamide. 1,787,483; Jan. 6.
Ladd, Edward M. (See Belt, J. S., and Ladd.)
Ladd, Edward T., Lewiston, assignor to Isco Chemical Company, Inc., Niagara Falls, N. Y. Fumigating device. 1,819,900; Aug. 18.
Ladd, George E., Washington, D. C. Constructing metal culverts or tunnels. 1,819,426; Aug. 18.
Ladd, James B., Ardmore, Pa. Nut lock. 1,801,773; Apr. 21.
Ladd, James B., Ardmore, Pa. Locking cooperating threaded element. 1,809,301; June 9.
Ladd, James B., Ardmore, Pa., deceased; Merrill A. Kercher, executor. Nut lock. 1,821,652; Sept. 1.
Ladd, James B., Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Ladle actuating mechanism. 1,804,471; May 12.
Ladd, James B., Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Centrifugal casting machine. 1,809,631; June 9.
Ladd, John W. B., West Roxbury, Boston, Mass. Dental roll and making the same. 1,812,655; June 30.
Ladd, Tallman, Coraopolis, Pa., assignor to International Combustion Engineering Corporation, New York, N. Y. Furnace water wall or baffle. 1,836,603; Dec. 15.
Laddon, Isaac M., assignor to Consolidated Aircraft Corporation, Buffalo, N. Y. Aircraft. 1,804,790; May 12.
Laddon, Isaac M., assignor to Consolidated Aircraft Corporation, Buffalo, N. Y. Aircraft. 1,828,192; Oct. 20.
Ladenson, Nathan T. (See Kendall, Walter H., assignor.)
Ladisch, Carl, Meissen-on-Elbe, Germany. Spraying nozzle. 1,811,637; June 23.
Ladner, Henry, Jersey City, N. J., and P. V. Welch, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Biased carrier telegraph system. 1,838,268; Dec. 29.
Ladshaw, Thomas G., Spartanburg, S. C. Drain device. 1,811,202; June 23.
Ladymon, Frank. (See Farrill, Grover C., assignor.)
Laemmlen, Rudolf, Grossgartach, near Heilbronn, Germany. Beet topper. 1,805,044; May 12.
Laencher, Frederick W., Brooklyn, assignor to A. Kimball Company, New York, N. Y. Machine for operating upon ticket strips. 1,799,912; Apr. 7.
Laencher, Frederick W., Elmhurst, N. Y., assignor to A. Kimball Company, New York, N. Y. Printing apparatus. 1,837,450; Dec. 22.
Laeuger, Paul, assignor to the Firm of J. R. Geigy S. A., Basel, Switzerland. Manufacture of azo dyestuffs. 1,821,759; Sept. 1.
La Fayette, Arthur, Dinuba, Calif. Fumigator for fruit, and other cars. 1,819,562; Aug. 18.
Lafayette Company, The. (See Watson, Frank, assignor.)
Lafayette, O. J., Manufacturing Company. (See Lory, George O., assignor.)
Lafeuille, Fernand, Paris, France. Crystallizer cooker. 1,815,852; July 21.
Laffey, William J. (See Moore, Ray K., assignor.)
Laffineur, Emile, Marchienne-au-pont, and L. Collin, Monceau-Sur-Sambre, Belgium. Machine for forming ovals. 1,836,853; Dec. 15.
Laffon, Hubert, Paris, France. Phonograph disk. 1,787,484; Jan. 6.
Lafky, Albert F. J., Salem, Oreg. Luminous fishing spoon. 1,817,694; Aug. 4.
La Fleche, Ferdinand R. (See Houde, Victor F., assignor.)
La Follette, Albert S., Kenova, W. Va. Cloth-measuring device. 1,790,103; Jan. 27.
La Follette, Charles D., and H. A. Jahraus, assignors to Corning Glass Works, Corning, N. Y. Teapot. Des. 85,292; Oct. 6.
La Forge, Albert W., Chino, Calif. Walnut harvester. 1,791,362; Feb. 3.
La France, David J., Cambridge, Mass. Fountain pen. 1,807,415; May 26.
La France, Richard, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass blowing machine. 1,837,164; Dec. 15.

Lagaard, Alexander S. T. (See Boosalis, M. G., and Lagaard.)
Lagaard, Alexander S. T. (See Quiggle, A. W., and Lagaard.)
Lagaard, Alexander S. T., Minneapolis, Minn. Game board. Des. 83,050; Jan. 13.
Laganas, George, Lowell, Mass. Sole leveling and shaping device. 1,793,409; Feb. 17.
Laganke, Wilbur E., East Cleveland, Ohio. Thermally-responsive switch. 1,789,183; Jan. 13.
Lagard, Major, Houston, Tex. Resilient wheel. 1,791,930; Feb. 10.
La Garde, Ulric. (See Roberge, Omer, assignor.)
Lagasse, Alfred, Fall River, Mass. Loom temple roll. 1,798,847; Mar. 31.
Lage, Arthur, Carroll, Nebr. Feeding receptacle. 1,796,466; Mar. 17.
Lagergren, Karl A., Stockholm, Sweden. Rail joint. 1,828,502; Oct. 20.
Lagerkrans, Nils M. (See Hammarstrand. A. T., and Lagerkrans.)
La Giglia, Peter, Westchester, N. Y. Hanger support. 1,791,931; Feb. 10.
Lagmay, Ben A. (See Jandoc, Antonio, assignor.)
La Grande, Frank, Coytesville, N. J., assignor to Paramount Publix Corporation, New York, N. Y. Sound-picture printer. 1,788,308; Jan. 6.
La Grande, Frank, Coytesville, N. J., assignor, by mesne assignments, Paramount Publix Corporation. Reel. 1,834,407; Dec. 1.
La Grange, Clarence, Howard Beach, N. Y. Cooling system pump for outboard motors. 1,819,822; Aug. 18.
La Gue, George G., Dunnell, Minn., assignor of one-tenth to O. B. La Gue, Fowler, Ind. Combination float and fish lure. 1,792,989; Feb. 17.
La Gue, Omer B. (See La Gue, George G., assignor.)
Lagueux, Arthur, et al. (See Chartier, Adjutor, assignor.)
Laguionie, Joseph, Paris, France. Comb for the application of dyes. 1,833,293; Nov. 24.
Laguzzi, Mario, Long Island City, N. Y. Interlocking member for slide fasteners. 1,824,672; Sept. 22.
Lahey, Frank H., assignor to New England Deaconess Association, Boston, Mass. Forceps. 1,806,808; May 26.
La Hodny, William, assignor to Standard Mirror Company, Inc., Buffalo, N. Y. Plate fastener. 1,795,308; Mar. 10.
Lahousse, Joseph E. G., Lyon, France. Electrical insulating material. 1,802,517; Apr. 28.
Laillé, René J., La Rochelle, France. Progressive change-speed and reversing device. 1,818,407; Aug. 11.
Lain, David E., Bellingham, Wash. Fuel burner. 1,820,916; Sept. 1.
Laing, Bryan. (See Brand, James J. C., assignor.)
Laing, Bryan. (See Nielsen, H., and Laing.)
Laing, Edward M., Highland Park, Ill. Golf-ball washer. 1,797,000; Mar. 17.
Laing, George, Calgary, Alberta, Canada. Attachment for sound-reproducing machine. 1,797,001; Mar. 17.
Laing, William L., Montreal, Quebec, Canada. Car dumping device. 1,820,312; Aug. 25.
Laipple, Harvey L., Ackley, Iowa. Adjustable headlight. 1,795,565; Mar. 10.
L'Air Liquide, Societe Anonyme Pour L'Etude & L'Exploitation Des Procedes Georges Claude. (See Mercier, Yves, assignor.)
Laird, B. L., et al. (See McCarty, Madison P., assignor.)
Laird, George S., assignor to Laird, Schober & Co., Philadelphia, Pa. Shoe. Des. 85,248; Sept. 29.
Laird, James M., Charleston, W. Va. Ice cream cabinet. 1,814,167; July 14.
Laird, Schober & Co. (See Laird, George S., assignor.)
Laird, Wilbur G., New York, N. Y. Gasket. 1,825,962; Oct. 6.
Laird, Wilbur G., assignor to Doherty Research Company, New York, N. Y. Apparatus for storing fluids. 1,794,383; Mar. 3.
Laird, Wilbur G., assignor to Heat Treating Company, New York, N. Y. Producing fuel gas and carbonized coal. 1,828,148; Oct. 20.
Laird, Wilbur G., assignor to Heat Treating Company, New York, N. Y. Purification and concentration of liquids. 1,833,717; Nov. 24.
Laird, Wilbur G., New York, and G. T. Jacocks, Larchmont, N. Y. Radiator. 1,816,437; July 28.
Laird, William R., Sioux Falls, S. Dak., assignor to Allied Laboratories, Incorporated, Chicago, Ill. Pasteurizing apparatus. 1,807,742; June 2.
Laise, Clemens A., Haworth, N. J., assignor, by mesne assignments, to Eisler Electric Corporation. Face plate for electrical contact. 1,788,243; Jan. 6.
La Jone, Nicholas, assignor to Inland Rubber Company, Chicago, Ill. Tire. Des. 84,528; June 30.
Lake, Albert H., Rochester, assignor to The Symington Company, New York, N. Y. Key retainer. 1,801,092; Apr. 14.
Lake, Allan F., Oakland, Calif. Nonwelding relay. 1,793,858; Feb. 24.
Lake, Allan F., Oakland, Calif., assignor to Lake Manufacturing Co., Inc. Alternating current bell. 1,815,853; July 21.
Lake, Charles H. (See Walker, N., and Lake.)
Lake, Clair D., Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Control device for tabulating machines. 1,800,392; Apr. 14.
Lake, Clair D., Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Tabulating machine. 1,822,594; Sept. 8.
Lake, Clair D., and R. E. Page, Binghamton, assignors to The Tabulating Machine Company, Endicott, N. Y. Duplicating gang punch. 1,817,631; Aug. 4.
Lake Erie Chemical Company, The. (See Ailes, Adrian S., assignor.)
Lake Erie Chemical Company, The. (See Goss, Byron C., assignor.)
Lake Erie Chemical Company, The. (See Macy, Alfred J., assignor.)
Lake Erie Chemical Company, The. (See Miller, John C., jr., assignor.)
Lake, Golladay, Grenada, Miss. Cigar and cigarette holder. 1,815,919; July 28.
Lake, Harry E., assignor to Preferred Utilities Manufacturing Corporation, New York, N. Y. Terminal box for pipes. 1,791,277; Feb. 3.
Lake, Harry E., assignor to Preferred Utilities Manufacturing Corporation, New York, N. Y. Vent protector. 1,815,920; July 28.
Lake, Harry E., assignor to Preferred Utilities Manufacturing Corporation, New York, N. Y. Locking and sealing device for container openings. 1,830,949; Nov. 10.
Lake, Harry E., assignor to Preferred Utilities Manufacturing Corporation, New York, N. Y. Safety seal. 1,830,950; Nov. 10.
Lake, Harry E., assignor to Preferred Utilities Manufacturing Corporation, New York, N. Y. Down flow device for foot valves. 1,837,780; Dec. 22.
Lake, Jarrett T. (See Gould, L. E., and Lake.)
Lake, John W., and W. T. Finks, St. Louis, Mo., assignors, by mesne assignments, to Campello Shank Company, Campello, Mass. Sole construction for apparel shoes. 1,812,490; June 30.
Lake Manufacturing Co. (See Lake, Allan F., assignor.)
Lake, William B., Braintree, England. Opening and closing windows. 1,816,258; July 28.
Lake, William B., Commerce, Tex. Clothespin. 1,825,963; Oct. 6.
Lakewest Corporation, The. (See Patterson, M., and Marresford, assignors.)
Lakewest Corporation, The. (See Youngdahl, F. E., and Julstedt, assignors.)
Lalance & Grosjean Manufacturing Company. (See Burvenick, Banjamin, assignor.)
Lalanne, Louis, Marseille, France. Device for adjusting the openings of scuttle ports and the position of the pane holders thereof. 1,803,533; May 5.
Lalique, René, Paris, France. Bottle. Des. 83,201; Feb. 3.
Lality, Georg, and N. Karpati, Budapest, Hungary. Lock. 1,829,596; Oct. 27.
Lallance, Theodore P., Huntington, W. Va. Screen hardware. 1,834,246; Dec. 1.
Lalli, Eugene, Brooklyn, N. Y. Aeroplane. 1,790,988; Feb. 3.
Lally, John T., Wilmington, Del. Hose basket. 1,790,755; Feb. 3.
Lally, John T., Wilmington, Del. Nozzle. 1,812,794; June 30.
Lalumiere, Emile J., Haverhill, Mass. Toy machine gun. 1,794,411; Mar. 3.
La Lux Manufacturing Company. (See Underwood, Western, assignor.)
La Magneto belge, Societe anonyme. (See Defays V. J., and Lefebvre, assignors.)
Lamar, Alfred M., et al. (See Ewing, Emma L., assignor.)
Lamar, Edward S., Rockville, Md. Liquid-measuring device. 1,788,465; Jan. 13.
La Mar, Frank C., New York, N. Y. Fuse indicator. 1,793,103; Feb. 17.
La Mar, Frank C., assignor to Great Western Fuse Company, Pittsburgh, Pa. Renewable electric fuse. 1,788,768; Jan 13.
La Mar, Frank C., assignor to Great Western Fuse Company, Pittsburgh, Pa. Renewable electric fuse. 1,790,713; Feb. 3.
La Mar, Frank C., New York, N. Y., assignor to Great Western Fuse Company, Pittsburgh, Pa. Renewable fuse. 1,788,769; Jan. 13.
La Mar, Frank C., New York, N. Y., assignor to Great Western Fuse Company, Pittsburgh, Pa. Renewable fuse. 1,788,770; Jan. 13.
Lamarre, Fabyan, J., Springfield Mass. Desk stand and ink fountain. 1,805,772; May 19.
Lamarthe, Alfred, Paris, France. Closing device. 1,798,945; Mar. 31.
Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Web roll loading mechanism for printing presses. 1,818,720; Aug. 11.
Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Impression adjusting mechanism. 1,824,436; Sept. 22.
Lamb, Arthur B., trustee. (See Krase, H. J., Hetherington, and Pinck, assignors.)
Lamb, Arthur B., Cambridge, Mass. Making activated sorbent material. 1,813,174; July 7.
Lamb, Arthur B., Cambridge, Mass. Process and apparatus for removing oxygen from steam. 1,832,401; Nov. 17.

Lamb, Albert E. (See Ludlow, Israel, assignor.)
Lamb, Charles, Los Angeles, Calif., assignor of one-half to M. G. Brumbly, Walnut Park, Calif. High pressure pump piston. 1,828,056; Oct. 20.
Lamb, Charles M., Pasadena, Calif., assignor to American Chain Company, Inc. Making chains and apparatus therefor. 1,812,052; June 30.
Lamb, Dick. (See McLeary, E., and Lamb.)
Lamb, Frank C., Los Angeles, Calif. Safety brake for automobiles. 1,822,491; Sept. 8.
Lamb, Frank C., Los Angeles, Calif. Motor vehicle brake. 1,827,720; Oct. 13.
Lamb, Franklin, New York, N. Y., assignor to Card Display, Inc. Card display. 1,822,492; Sept. 8.
Lamb, Franklin, New York, N. Y., assignor to Card Display, Inc. Card display. 1,822,493; Sept. 8.
Lamb, Harold, Meadville, Pa., assignor to Hookless Fastener Company. Fastener making machine. 1,817,990; Aug. 11.
Lamb, Harold T. (See Miller, and Lamb.)
Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Signal device for indicating cooking temperatures of waffle irons and the like. 1,797,427; Mar. 24.
Lamb, Lawrence S. (See Groehn, O. J., and Lamb.)
Lamb, Lawrence S., assignor to Hudson Motor Car Company, Detroit, Mich. Apparatus for closing sheet-metal channel members. 1,793,222; Feb. 17.
Lamb, Lawrence S., assignor to Hudson Motor Car Company, Detroit, Mich. Apparatus for forming offset flanges on sheet metal panels and the like. 1,838,314; Dec. 29.
Lambert, Arthur, assignor to Cosmic Arts, Inc., New York, N. Y. Treating greensand. 1,797,002; Mar. 17.
Lambert, Bernice E., Columbus, Ohio. Sealing burial cases. 1,818,485; Aug. 11.
Lambert, Bertram. (See Robson, S., and Lambert.)
Lambert, Bertram, Oxford, assignor to National Processes Limited, London, England. Manufacture of materials of the nature of catalysts for the oxidation of oxidizable gases in admixture with air or oxygen. 1,814,515; July 14.
Lambert, Chandley W., Cleveland, Ohio. Fluid pump. 1,798,209; Mar. 31.
Lambert, Chandley W., Cleveland, Ohio. Knife. 1,824,022; Sept. 22.
Lambert, Charles F. (See Blaskewitz, W., Overly, Lambert, and Ironside.)
Lambert, Charles F., Grosse Pointe, assignor, by mesne assignments, to Clayton & Lambert Manufacturing Co., Detroit, Mich. Liquid-fuel burner. 1,791,727; Feb. 10.
Lambert, David N., Brooklyn, N. Y. Protector for gas meters. 1,801,164; Apr. 14.
Lambert, David N., Brooklyn, N. Y. Back check for gas meters. 1,810,835; June 16.
Lambert, Homer T., Huntington, W. Va. Swiveled wheel brake. 1,831,125; Nov. 10.
Lambert, John A., Spokane, Wash. Railroad spike anchor. 1,809,519; June 9.
Lambert, Joseph E., New York, N. Y. Card stand or holder. 1,829,360; Oct. 27.
Lambert & Loomis, Inc. (See Dornbusch, Josef, assignor.)
Lambert Tire & Rubber Co. (See Gillam, Wallace R., assignor.)
Lambert Tire & Rubber Company, The. (See Klaus, F. R., and Seiberling, assignors.)
Lamberty, Nicholas F., Chicago, Ill. Sketching device. 1,818,630; Aug. 11.
Lambie, James M. (See Ross, D. W., and Lambie.)
Lamble, Alfred. (See Moore, J. W., and Lamble.)
Lamblin-Parent, Gustave Alphonse Marie, Lille, France. Cover glass lens for headlights. Des. 84,991; Sept. 1.
Lamblin-Parent, Gustave Alphonse Marie, Lille, France. Cover glass lens for headlights. Des. 84,992; Sept. 1.
Lamblin-Parent, Gustave Alphonse Marie, Lille, France. Cover glass lens for headlights. Des. 84,993; Sept. 1.
Lamblin-Parent, Gustave Alphonse Marie, Lille, France. Cover glass lens for headlights. Des. 84,994; Sept. 1.
Lambrecht, John, Oneonta, N. Y. Trailer hitch. 1,813,858; July 7.
La Measure, Joses T. and L. J., Detroit, Mich. Lint collector. 1,792,313; Feb. 10.
La Measure, Joses T. and L. J., Detroit, Mich. Machine for cleaning trouser cuffs. 1,804,791; May 12.
La Measure, Laurence J. (See La Measure, Joses T. and L. J.)
Lamella Roof Syndicate, Inc. (See Klingenberg, Wilhelm, assignor.)
Lamer, Samuel, Pittsburgh, assignor of one-third to J. Shrak, Pittsburgh, Pa. Foot lever motor. 1,816,681; July 28.
Lamke, George J., Bronaugh, Mo. Nose punch. 1,833,365; Nov. 24.
Lamkey, William A., Cleveland, Ohio. Target towing and releasing device. Re18,007; Mar. 24.
Lammert, George C., Chicago, Ill. Pressure regulating system. 1,802,610; Apr. 28.
Lamneck, W. E., Company, The. (See Gillman, Joseph L., jr., assignor.)
Lamneck, W. E., Company, The. (See Holub, Charles J., assignor.)
Lamon, David, Denver, Colo. Metal-treating composition. 1,788,876; Jan. 13.
Lamond, John, assignor to Pittsburgh Pipe & Coupling Company, Allison Park, Pa. Apparatus for making pipe couplings. 1,815,107; July 21.
La Mont, Charles T., Milwaukee, Wis. Tensioning device for knitting machines. 1,835,654; Dec. 8.
La Mont Corporation. (See Jacoby, John E., assignor.)
La Mont Corporation. (See La Mont, Walter D., assignor.)
La Mont Corporation. (See La Mont, W. D., and Ernst, assignors.)
La Mont Corporation. (See Scheel, John B., assignor.)
Lamont, Neil C., Edgeworth, Pa., assignor to National Electric Products Corporation, New York, N. Y. Making and impregnating paper-wrapper wire. 1,798,889; Mar. 31.
La Mont, Walter D., New Rochelle, assignor to La Mont Corporation, New York, N. Y. Waste-heat steam-generating system. 1,801,013; Apr. 14.
La Mont, Walter D., New Rochelle, assignor to La Mont Corporation, New York, N. Y. Steam generator or the like. 1,815,439; July 21.
La Mont, Walter D., New Rochelle, N. Y., assignor to La Mont Corporation. Preventing leakage in valves. 1,826,941; Oct. 13.
La Mont, Walter D., New Rochelle, assignor to La Mont Corporation, New York, N. Y. Steam generator or the like. 1,830,324; Nov. 3.
La Mont, Walter D., Larchmont, assignor to La Mont Corporation, New York, N. Y. Steam generator. 1,819,470; Aug. 18.
La Mont, Walter D., Larchmont, N. Y., assignor to La Mont Corporation. Generation of steam and other vapors. 1,827,244; Oct. 13.
La Mont, Walter D., Larchmont, assignor to La Mont Corporation, New York, N. Y. Shielded superheater. 1,834,214; Dec. 1.
La Mont, Walter D., Colebrook, Conn., and A. F. Ernst, Rutherford, N. J., assignors to La Mont Corporation, New York, N. Y. Effecting heat exchange. 1,825,321; Sept. 29.
La Montague, Patrick P., assignor to Paramount Textile Machinery Company, Kankakee, Ill. Knitting machine. 1,791,467; Feb. 3.
Lamory, William J., assignor to American Writing Paper Company, Holyoke, Mass. Making deckle edge paper. 1,810,316; June 16.
La Motte, Ross G. (See Mayer, H. H., and La Motte.)
Lamoureux, Nelson, Whittier, and M. W. Lukes, Compton, Calif. Fishing tool. 1,791,529; Feb. 10.
Lamp, Charles J., San Francisco, Calif. Apparatus for teaching sight-singing. 1,821,311; Sept. 1.
Lamp Studio, The. (See Gaba, Lester, assignor.)
Lampe, Charles L., Nampa, Idaho. Bleed valve controlling means. 1,803,195; Apr. 28.
Lamp, Wilhelm, New York, N. Y. Screen curtain. 1,793,369; Feb. 17.
Lampen, George F., Holland Township, Ottawa County, Mich. Agricultural implement. 1799,592; Apr. 7.
Lamplough, Leslie F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Device for joining articles. 1,818,560; Aug. 11.
Lamplough, Leslie F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Handling strand material. 1,823,981; Sept. 22.
Lamprecht, Philipp, Chicago, Ill. Swimming device. 1,829,868; Nov. 3.
Lampson, Otto P. (See Arthur, A. C., and Lampson.)
Lams, William R., and J. A. Wyler, Allentown, Pa., assignors to Trojan Powder Company. Nitrostarch lacquer compositions. 1,833,526; Nov. 24.
Lamson Company, The. (See Batcheller, Birney C., assignor.)
Lamson Company, The. (See Bauer, John A., assignor.)
Lamson Company, The. (See Cowley, James T., assignor.)
Lamson Company, The. (See Cowley, J. T., and Allen, assignors.)
Lamson Company, The. (See Emerson, Merton L., assignor.)
Lamson Company, The. (See Jennings, Chester S., assignor.)
Lamson Company, The. (See Jennings, C., and Allen, assignors.)
Lamson Company, The. (See Klyver, A. N., and Dupuy, assignor.)
Lamson Company, The. (See Libby, Charles R., assignor.)
Lamson Company, The. (See MacMartin, Frank W., assignor.)
Lamson Company, The. (See Shannehan, Arthur W., assignor.)
Lamson Company, The. (See Taylor, William J., assignor.)
Lamson Company, The. (See Zimmer, Arnold A., assignor.)
Lamy, Léon, Annecy, E. Mathieu, Paris, and L. Gagnaux, Marignier, assignors to Societe d'Electro-Chimie, d'ElectroMetallurgie et des Acieries Electriques d'Ugine, Paris, France. Extraction of tin from ores, alloys, scrap or the like. 1,826,552; Oct. 6.
Lanahan, Frank J. (See Hunter, Percy E., assignor.)
Lanaux, Alfred A., Houston, assignor to J. K. Clark and L. K. Park, Harris County, Tex. Hydrometric recorder. 1,838,845; Dec. 29.
Lancaster Asphalt, Inc. (See Robinson, Thomas, assignor.)
Lancaster, George W., Richmond, Va. Weather-stripped sash. 1,789,904; Jan. 20.

Lancaster Iron Works, Inc. (See Luce, G. E., and Huestis, assignors.)
Lancaster Iron Works, Inc. (See Luce, G. E., and Senter, assignors.)
Lancaster Iron Works, Inc. (See Martin, James P., assignor.)
Lancaster, Raymond D., Akron, Ohio. Rubber mask. 1,810,486; June 16.
Lance, Chester L., Dallas, Tex. Blue flame automatic burner for press feeders. 1,836,536; Dec. 15.
Lance, Ola, Evanston, assignor of one-fourth to C. F. Schmidt, Uinta County, Wyo. Antiskid device. 1,808,852; June 9.
Lance Packing Company, The. (See Knee, Aaron A., assignor.)
Lancey, Roswell A., Townsend, Mass., assignor to Spaulding Fibre Company, Inc., North Rochester, N. H. Counter molding machine. 1,825,964; Oct. 6.
Lanchester, Frederick W., Moseley, England. Apparatus for the reproduction of music, speech, and the like. 1,809,483; June 9.
Lancia, Vincenzo, Turin, Italy. Frame for motor vehicles. 1,789,238; Jan. 13.
Lancor, Joseph H., Cranston, R. I. Clasp. 1,822,595; Sept. 8.
Land, Arthur A. G., Chicago, Ill. Wire fence or grille fabric. 1,816,381; July 28.
Land, Charles H., Grosse Pointe, Mich. Shock absorber. 1,833,906; Dec. 1.
Land, Charles H., Grosse Pointe, Mich., assignor to Mechanical Development Company, Detroit, Mich. Control valve for shock absorbers. 1,833,969; Dec. 1.
Land, George E., Pittsburgh, assignor to H. E. Marks Corporation, Pittsburgh, Pa. Base for plastic material. 1,827,945; Oct. 20.
Landahl, Eugene E., Fairmont, W. Va. Friction clutch. 1,813,626; July 7.
Landaw, Oak, Nappanee, Ind. Table top. 1,826,618; Oct. 6.
Lande, Hjalmar, Minneapolis, Minn. Lock. 1,816,259; July 28.
Landeck, Michael, Brooklyn, N. Y. Ash-removing grate for ovens. 1,798,474; Mar. 31.
Landers, Bert A., Los Angeles, Calif. Display rack. 1,807,990; June 2.
Landers, Clyde W., New York, N. Y. Commutator construction for electric machines. 1,811,180; June 23.
Landers, Frary & Clark. (See Juengst, F. W., and Anderson, assignors.)
Landers, Frary & Clark. (See Lamb, Joseph F., assignor.)
Landers, Frary & Clark. (See Mau, Edward A., assignor.)
Landers, Frary & Clark. (See Smith, Charles F., assignor.)
Landes, William, Long Beach, Calif. Apparatus for converting heavy hydrocarbons into lighter ones. 1,792,912; Feb. 17.
Landess, Victor S. (See Holifer, J. G., and Landess.)
Landgraf, Theodore H., Atlanta, Ga. Mail box and house-number-display device. 1,789,239; Jan. 13.
Landine, Peter N., Milford, Conn. Sectional screen. 1,791,676; Feb. 10.
Landine, Peter N., Milford, Conn. Lamp. 1,831,959; Nov. 17.
Landis, Benjamin R., et al. (See Shenk, William S., assignor.)
Landis, Clifford H. (See Wallace, J. D., and Landis.)
Landis, Elmer K., et al. (See Shenk, William S., assignor.)
Landis, Frank F., Patents, Incorporated. (See Landis, Frank F., assignor.)
Landis, Frank F., Waynesboro, assignor to Frank F. Landis Patents, Incorporated, Waynesboro, Pa. Shock diffuser. 1,792,913; Feb. 17.
Landis, Frank F., assignor to Frank F. Landis Patents, Incorporated, Waynesboro, Pa. Shock diffuser. 1,792,914; Feb. 17.
Landis & Gyr, A.-G. (See Beusch, Willi, assignor.)
Landis & Gyr, A.-G. (See Beusch, W., and Pudelko, assignors.)
Landis & Gyr, A.-G. (See Fischer-Hinnen, Jacques, assignor.)
Landis & Gyr, A. G. (See Frohlich, Hans, assignor.)
Landis & Gyr, A. G. (See Frohlich, H., and Hausch, assignors.)
Landis & Gyr, A.-G. (See Hess, Otto, assignor.)
Landis & Gyr, A-G. (See Huber, Ernst, assignor.)
Landis & Gyr, A.-G. (See Mettler, Josef, assignor.)
Landis & Gyr, A.-G. (See Peter, Adolf, assignor.)
Landis & Gyr, A.-G. (See Pudelko, Riccard, assignor.)
Landis & Gyr, A.-G. (See Pudelko, R., and Moos, assignors.)
Landis & Gyr, A.-G. (See Rast, J., Kummer, and Pauli, assignors.)
Landis, Hugh G., Los Angeles, Calif. Electric heater. 1,828,809; Oct. 27.
Landis, Hugh G., Los Angeles, Calif. Electric wall heater. 1,828,810; Oct. 27.
Landis Machine Company. (See Adler, Jacob, assignor.)
Landis Machine Company. (See Dunford, Ernest, assignor.)
Landis Machine Company. (See Harper, James G., assignor.)
Landis Machine Company. (See Newman, Samuel F., assignor.)
Landis Machine Company. (See Schildknecht, Leo, assignor.)
Landis, Mae V. (See Mikota, Archie R., assignor.)
Landis, Omar K., Lancaster, Pa. Fastening. 1,788,309; Jan. 6.
Landis Tool Company. (See Balsiger, Harold E., assignor.)
Landis Tool Company. (See Ott, Conrad, assignor.)
Landis Tool Company. (See Steiner, Amos P., assignor.)
Landis Tool Company. (See Steiner, A. P., and Balsiger, assignors.)
Landis Tool Company. (See Steiner, A. P., Stoner, and Harrison, assignors.)
Landman, Gerard, Ozone Park, N. Y. Kettle alarm. 1,811,853; June 30.
Landman, Lester M. (See Baker, F. C., Fleckenstein, and Landman.)
Landolt, John E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass surfacing apparatus. 1,801,314; Apr. 21.
Landon, Vernon D., East Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company. Tuning-control device. 1,799,983; Apr. 7.
Landon, Vernon D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Amplifying system. 1,832,640; Nov. 17.
Landress, Emmanuel I., Brooklyn, N. Y. Lock device for dial telephones. 1,835,064; Dec. 8.
Landreth, Emil Q. (See Moerk, Frank N., assignor.)
Landrock, Paul. (See Greene, J. S., and Landrock.)
Landrock, Paul, Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Photographic print developing apparatus. 1,824,281; Sept. 22.
Landrock, Paul, Rochester, N. Y., assignor to Photostat Corporation, Providence, R. I. Camera. 1,833,399; Nov. 24.
Landrum, Francis H., San Francisco, Calif. Apparatus for testing sealed containers. 1,825,672; Oct. 6.
Landrum, Francis H., San Francisco, Calif. Method and apparatus for testing sealed containers. 1,825,745; Oct. 6.
Landrum, Francis H., Honolulu, Hawaii. Method and apparatus for testing sealed containers. 1,825,700; Oct. 6.
Landrum, Francis H., Honolulu, Hawaii. Testing sealed containers. 1,825,744; Oct. 6.
Landrum, Francis H., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Testing sealed containers. 1,825,699; Oct. 6.
Landry, Arthur J., East Boston, Mass. Float for supporting fire hose nozzles. 1,826,892; Oct. 13.
Landry, George L. (See Heil, J. P., and Landry.)
Landsborough, Tom R., Florin, Calif. Swing saw. 1,822,155; Sept. 8.
Landsiedel, Harry, Cincinnati, Ohio, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Combined cash register and adding machine. 1,800,865; Apr. 14.
Landsmann, Kurt, Mannheim, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric relay apparatus. 1,798,687; Mar. 31.
Landt, Erich, Berlin, Germany. Liquid-air engine. 1,798,126; Mar. 24.
Landvoigt, Thomas E., Westmont, assignor to National Radiator Corporation, Johnstown, Pa. Radiator. 1,804,424; May 12.
Landvoigt, Thomas E., Westmont, assignor to National Radiator Corporation, Johnstown, Pa. Radiator. 1,818,226; Aug. 11.
Lane, Alfred M., St. Louis, Mo. Metal window. 1,815,718; July 21.
Lane, Alfred M., St. Louis, Mo. Metallic window sash. 1,815,719; July 21.
Lane, Alfred M., St. Louis, Mo. Metallic sash. 1,832,847; Nov. 24.
Lane, Charles H., and C. H. Reynolds, Houston, Tex. Well packer. 1,801,353; Apr. 21.
Lane, Charles H., and C. H. Reynolds, Houston, Tex. Well screen washer. 1,808,958; June 9.
Lane, Charles H., and C. H. Reynolds, Houston, Tex. Tong. 1,808,959; June 9.
Lane, Charles H., and C. H. Reynolds, Houston, Tex. Whip stock. 1,835,227; Dec. 8.
Lane, Clarence E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Adjustable inductance coil. 1,799,800; Apr. 7.
Lane Company, The. (See Crocker, Ernest C., assignor.)
Lane Company, The. (See Loftin, Lawrence K., assignor.)
Lane, Edwin, assignor to Carolyn Laundry, New York, N. Y. Laundry tagging machine. 1,818,408; Aug. 11.
Lane, Francis J., Harlsden, London, and R. D. Parry, Northway, Neasden, England, assignors to General Electric Company. Protective arrangement. 1,813,749; July 7.
Lane, Frank. (See Swaim, J. E., and Lane.)
Lane, Frank A., Providence, R. I., assignor to The Textile-Finishing Machinery Company. Guider. 1,820,980; Sept. 1.
Lane, Franklin L., assignor to Yates-American Machine Company, Beloit, Wis. Cutter head. 1,820,231; Aug. 25.
Lane, Frederick H., Erdington, Birmingham, England, assignor to American Anode, Inc., Akron, Ohio. Determining optimum current strength in the electrodeposition of rubber and other substances. 1,822,226; Sept. 8.

Lane, George, Poughkeepsie, assignor, by mesne assignments to Audio-Cinema Incorporated, Long Island City, N. Y. Motion picture printing machine. 1,805,948; May 19.
Lane, Munson H. (See Schaeffer, Melvin L., assignor.)
Lane, Ralph W., Canton, assignor to The Haines Corporation, Boston, Mass. Adhesive composition. 1,807,244; May 26.
Lane, Richard D., assignor to The F. A. Neider Company, Augusta, Ky. Pronged tufting button. 1,829,361; Oct. 27.
Lane, Robert S. (See Lowery, H., and Lane.)
Lane, Robert S., Wood River, assignor to Standard Oil Company, (Ind.), Chicago, Ill. Oil-discharge heater. 1,799,379; Apr. 7.
Lane Vegetable Spray Company. (See Hamilton, Tom M., jr., assignor.)
Lang, Albion S., Roslindale, Mass. Saxophone cord. 1,789,184; Jan. 13.
Lang, Andreas, Astoria, N. Y. Dumb waiter guard carriage. 1,825,461; Sept. 29.
Lang, Andrew, Mobridge, S. Dak., assignor of one-half to C. G. Fristad, Mandan, N. Dak. Automatic release implement hitch. 1,830,739; Nov. 3.
Lang, Bert E., Spokane, Wash. Tire-chain lock. 1,789,185; Jan. 13.
Lang, Charles A., and C. B. Gamble, assignors to Fusaline, Incorporated, Minneapolis, Minn. Transfer switch. 1,803,623; May 5.
Lang, Edward P., assignor to Oxford Varnish Corporation, Detroit, Mich. Apparatus for applying pigment coatings. 1,827,876; Oct. 20.
Lang, Franz, Stuttgart, Germany, assignor to Acro Aktiengesellschaft, Kussnacht-on-the-Rizi, Switzerland. Self igniting oil motor. 1,803,262; Apr. 28.
Lang, Franz, Munich, Germany, assignor to Acro Aktiengesellschaft, Kussnacht-on-the-Rizi, Switzerland. Internal combustion engine with self ignition. 1,803,263; Apr. 28.
Lang, Franz, Munich, Germany, assignor to Acro Aktiengesellschaft, Kuessnacht, am Rigi, Switzerland. Internal combustion engine. 1,818,339; Aug. 11.
Lang, George E. (See Casto, L. V., and Lang.)
Lang, George E., and L. V. Casto, assignors to Oxford Varnish Corporation, Detroit, Mich. Transfer machine. 1,807,921; June 2.
Lang, George E., and L. V. Casto, assignors to Oxford Varnish Corporation, Detroit, Mich. Graining machine. 1,807,991; June 2.
Lang, George E., and L. V. Casto, assignors to Oxford Varnish Corporation, Detroit, Mich. Graining machine. 1,807,992; June 2.
Lang, George H., Boston, Mass. Totalizer for printing machines. 1,800,544; Apr. 14.
Lang, George L., South Orange, N. J. Electrical condenser. 1,818,069; Aug. 11.
Lang, Gregory, Yuba City, Calif. Bean cutter. 1,823,051; Sept. 15.
Lang, Gustave J., Longmeadow, J. F. Drennan, Springfield, and B. E. Schlesinger, Boston, assignors to American Bosch Magneto Corporation, Springfield, Mass. Terminal construction for ignition coils. 1,805,874; May 19.
Lang, Gustave J., Longmeadow, and J. F. Martin, assignors to American Bosch Magneto Corporation, Springfield, Mass. Magneto mounting attachment. 1,818,721; Aug. 11.
Lang, Herbert, et al. (See Schmid, Anton, assignor.)
Lang, Hermann, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Condensation of phosphorus. 1,788,838; Jan. 13.
Lang, Hubert, assignor to The Goss Printing Press Company, Chicago, Ill. Folding mechanism for printing presses. 1,787,945; Jan. 6.
Lang, Hubert, La Grange, assignor to The Goss Printing Press Co., Chicago, Ill. Inking mechanism for printing presses. 1,809,632; June 9.
Lang, James S., deceased; Old Colony Trust Company, executor, Boston, Mass. Shock absorber. 1,818,140; Aug. 11.
Lang, James S., deceased, Boston, Mass.; Old Colony Trust Company, executor of said James S. Lang. Shock absorber. 1,818,141; Aug. 11.
Lang, John R., and G. H. Murrin, Reno, Nev. Fuel-inlet valve. 1,799,426; Apr. 7.
Lang, Josef, Berlin, Germany. Tube expander. 1,793,624; Feb. 24.
Lang, Joseph. (See Jaeck, W., and Lang.)
Lang, Lillian D., et al. (See Wilson, Earl L., assignor.)
Lang, Lloyd. (See Swanson, W. H., and Lang.)
Lang, Nathan, jr., Charleston, Ill. Barrel rack. 1,808,988; June 9.
Lang, Niels, Lakewood, Ohio. Holder for reflectors. 1,808,501; June 2.
Lang, Peter A., Carteret, N. J., assignor to Bowker Chemical Company, New York, N. Y. Production of disodium phosphate. 1,825,965; Oct. 6.
Lang, Richard T., Weehawken, N. J., assignor to American Voith Contact Company, Incorporated, New York, N. Y. Conveying device for paper pulp. 1,829,563, Oct. 27.
Lang, Richard T., Weehawken, N. J., assignor to American Voith Contact Company, Inc., New York, N. Y. Screw press. 1,835,789; Dec. 8.
Lang, Richard T., Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y. Screw press for dewatering and washing diluted substances. 1,838,996; Dec. 29.
Lang, Sigismund, St. Paul, Minn. Mail box switch. 1,808,235; June 2.
Lang, William G., Washington, D. C. Safety attachment for punch presses. 1,833,840; Nov. 24.
Langan, Violet I. M., Brisbane, Australia. Cothes peg usable for other purposes. 1,808,417; June 2.
Langbein, Albert S. (See Benedict, E. B., and Langbein.)
Langbein, Harold W., Los Angeles, Calif., assignor to Brake Synchrometer Co., Boston, Mass. Brake testing machine. 1,801,927; Apr. 21.
Langbein, Harold W., Los Angeles, Calif. Testing brakes. 1,838,413; Dec. 29.
Langbein, Harold W., Los Angeles, Calif. Testing brakes. 1,838,414; Dec. 29.
Langdon, Andrew, assignor to General Railway Signal Company, Rochester, N. Y. Train-describing system. 1,794,626; Mar. 3.
Langdon, Andrew, assignor to General Railway Signal Company, Rochester, N. Y. Traffic controlling system for railroads. 1,824,160; Sept. 22.
Langdon Engineering Corporation. (See Langdon, Jesse D., assignor.)
Langdon, Frank E., Vancouver, Wash. Collapsible winding shaft. 1,811,237; June 23.
Langdon, Frank E., assignor to Neopost Limited, London, England. Printing and registering machine. 1,794,716; Mar. 3.
Langdon, Jesse D., Los Angeles, Calif. Shaving kit. 1,790,311; Jan. 27.
Langdon, Jesse D., Los Angeles, Calif. Vertical-rising airship. 1,791,597; Feb. 10.
Langdon, Jesse D., Los Angeles, Calif. Flush valve. 1,808,989; June 9.
Langdon, Jesse D., Los Angeles, Calif. Automatic coupler valve. 1,808,990; June 9.
Langdon, Jesse D., Los Angeles, Calif. Steering gear for airships. 1,808,991; June 9.
Langdon, Jesse D., Los Angeles, Calif. Combined counter liner and heel cushion. 1,808,992; June 9.
Langdon, Jesse D., Los Angeles, Calif. Automatic coupler valve. 1,809,343; June 9.
Langdon, Jesse D., assignor to Langdon Engineering Corporation, Los Angeles, Calif. Valves. 1,818,856; Aug. 11.
Langdon, Jesse D., assignor to Langdon Engineering Corporation, Los Angeles, Calif. Indicator; 1,823,746; Sept. 15.
Lange, Adolf, Berlin, assignor to Lubecker Maschinenbau-Gesellschaft, Lubeck, Germany. Steering device of track-chain vehicles. 1,835,501; Dec. 8.
Lange, Berthold A., St. Louis, Mo. Box joint. 1,789,105; Jan. 13.
Lange, Berthold A., St. Louis, Mo. Die. 1,798,475; Mar. 31.
Lange & Co., Gesellschaft mit beschrankter Haftung. (See Lange, Erik, assignor.)
Lange, Emil G., Sedalia, Mo. Steel tape reel. 1,811,945; June 30.
Lange, Erik, assignor to firm Lange & Co., Gesellschaft mit beschrankter Haftung, Starnberg, Germany. Flag truck. 1,825,076; Sept. 29.
Lange, Fredrick F. (See Wlecke, A. R., Gorie, and Lange.)
Lange, George, New York, N. Y., assignor to American Ice Company, Jersey City, N. J. Ice manufacturing apparatus. 1,804,220; May 5.
Lange, George, New York, N. Y., assignor to Knickerbocker Stamping Co., Parkersburg, W. Va. Core filler. 1,824,089; Sept. 22.
Lange, George, New York, N. Y., assignor to Knickerbocker Stamping Company, Parkersburg, W. Va. Coupler for ice manufacturing apparatus. 1,828,811; Oct. 27.
Lange, Hans. (See Balle, G., Gerhard, Lang, and Ost.)
Lange, Hans. (See Holzapfel, E., Braunsdorf, and Lange.)
Lange, Harald, Portland, Oreg. Hose coupling. 1,832,990; Nov. 24.
Lange, Harry G., St. Elmo, Ill. Portable building. 1,806,354; May 19.
Lange, Heinrich. (See Ernst, O., and Lange.)
Lange, Henry, Quincy, Ill. Heater. Des. 84,834; Aug. 11.
Lange, Henry, Quincy, Ill. Ashpit for circulating warm air heating stoves. 1,801,928; Apr. 21.
Lange, Julius J. (See Janovsky, J., and Lange.)
Lange, Karl W., et al. (See Toewe, Fritz, assignor.)
Lange, Kurt, and M. Busch, Clifton, N. J. Tent frame. 1,801,014; Apr. 14.
Lange, Max W., and T. Norton, Cleveland Heights, assignors to The Warner & Swasey Company, Cleveland, Ohio. Machine Tool. 1,799,518; Apr. 7.
Lange, Paul H., assignor to The Max Ams Machine Company, Bridgeport, Conn. Seaming mechanism. 1,819,249; Aug. 18.
Lange, Paul H., assignor to The Max Ams Machine Company, Bridgeport, Conn. Seaming mechanism. 1,819,250; Aug. 18.
Lange, Werner. (See Kalischer, G., and Lange.)
Lange, Werner, Dessau-Ziebigk in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Direct azo dyes. 1,818,898; Aug. 11.

Langenbach, Edward A. (See Blecker, William M., assignor.)
Langenbach, Edward A. (See Leahy, William P., assignor.)
Langenberg, Frederick C., Edgewater Park, assignor to United States Pipe and Foundry Company, Burlington, N. J. Apparatus for radially contracting and elongating metal cylinders. 1,792,229; Feb. 10.
Langenberg, Frederick C., assignor to United States Pipe & Foundry Company, Burlington, N. J. Method for hardening the inner surface of cylindrical metal bodies. 1,833,025; Nov. 24.
Langenberg, Frederick C., New York, N. Y., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Method and apparatus for improving the texture of hollow metal bodies. 1,834,128; Dec. 1.
Langenberg Hat Company. (See Bischoff, Adolph F., assignor.)
Langenhop, John. (See McRae, James, assignor.)
Langer, Arthur, Vienna, Austria. Extracting of iron. 1,815,946; July 28.
Langer, Eduard, Leipzig, Germany. Rag grinding machine. 1,811,549; June 23.
Langer Fuel Saving Corporation of America. (See Langer, Theodor.)
Langer, Max, Hermsdorf, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Circuit arrangement for automatic telephone systems. 1,795,339; Mar. 10.
Langer, Max, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Automatic telephone system. 1,813,175; July 7.
Langer, Nicholas, Budapest, assignor of two-thirds to J. Halmagyi, Budapest, Hungary. Electrical musical instrument. 1,832,402; Nov. 17.
Langer, Rudolph J., assignor to Franklin Equipment Company, Monticello, Iowa. Watering bowl. 1,806,473; May 19.
Langert, Esrael, Brooklyn, N. Y. Electric lamp globe. 1,831,456; Nov. 10.
Langewiesche, Wilhelm, assignor to C. Lorenz-Aktiengesellschaft, Berlin–Tempelhof, Germany. Electric machine. 1,807,218; May 26.
Langfeldt, Einar, Oslo, Norway. Process for the production of a sugar solution. 1,834,788; Dec. 1.
Langford, Cecil T., and A. J. Teplitz, assignors, by mesne assignments, to Continental Oil Company, Ponca City, Okla. Separating bitumen from bituminous sands and similar bituminous materials. 1,820,917; Sept. 1.
Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Rail joint and bar. Re17,963; Feb. 10.
Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Renewing worn angle bars. Re18,011; Mar. 24.
Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Reforming bars. Re18,165; Aug. 25.
Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Rail joint. Re18,213; Sept. 29.
Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Tight center bar. 1,799,380; Apr. 7.
Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Even-wear bar. 1,799,381; Apr. 7.
Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Rail joint and bar therefor. 1,799,382; Apr. 7.
Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Die. 1,804,792; May 12.
Langford, George, assignor to McKenna Process Co. of Illinois, Joliet, Ill. Rail. 1,807,219; May 26.
Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Reforming bars. 1,808,466; June 2.
Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Dies for making bars. 1,808,467; June 2.
Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Making rail joint bars. 1,808,468; June 2.
Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Rail joint bar. 1,814,835; July 14.
Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Reforming bars for rail joints. 1,833,026; Nov. 24.
Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Reforming worn rail joint bars. 1,836,032; Dec. 15.
Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Rail joint bar. 1,836,033; Dec. 15.
Langford, George W. (See Barrows, A. C., McLean, and Langford.)
Langford, George W., et al. (See Barrows, A. C., Langford, and Burdy.)
Langford, George W., A. C. Barrows, and J. H. McLean, assignors to Economy Baler Company, Ann Harbor, Mich. High density compress. 1,822,046; Sept. 8.
Langford, Leonard W. (See Gilmore, R. J., and Langford.)
Langford, Leonard W., Boston, Mass. Record making mechanism. 1,811,397; June 23.
Langford, Leonard W., Norwell, and H. C. Yaeger, Shrewsbury, assignors to Langford Sales Audit Machine Company, Boston, Mass. Record feeding mechanism. 1,836,328; Dec. 15.
Langford, Leonard W., San Francisco, Calif., assignor to Langford Sales Audit Machine Company, Boston, Mass. Auditing machine. 1,836,671; Dec. 15.
Langford, Oliver C. and R. S., Moseley, Birmingham, England. Box or carton for containing fragile articles, and its manufacture. 1,838,269; Dec. 29.
Langford, Ronald S. (See Langford, Oliver C. and R. S.)
Langford Sales Audit Machine Company. (See Whiteman, Charles E., assignor.)
Langford Sales Audit Machine Company. (See Langford, Leonard W., assignor.)
Langford Sales Audit Machine Company. (See Langford, L. W., and Yaeger, assignors.)
Langhammer, Paul, assignor to Package Machinery Company, Springfield, Mass. Wrapping machine and process. 1,816,085; July 28.
Langill, Ross E., and W. B. Grueter, assignors to The Prescott Company, Menominee, Mich. Sawmill dog. 1,838,948; Dec. 29.
Langill, Ross, and S. B., assignors to The Prescott Company, Menominee, Mich. Tapering mechanism for saw mill knees. 1,832,908; Nov. 24.
Langill, Stanley B. (See Langill, Ross and S. B.)
Langknecht, Henry J., Rochester, assignor to Shur-on Standard Optical Company, Inc., Geneva, N. Y. Bridge for an eyeglass mounting. Des. 83,202; Feb. 3.
Langknecht, Henry J., Rochester, assignor to Shur-On Standard Optical Company, Inc., Geneva, N. Y. Ophthalmic mounting. Des. 83,819; Mar. 31.
Langley, Cortlandt J., New York, N. Y., assignor to C. W. Bumstead, trustee, Highland Park, N. J. Match book. 1,817,009; Aug. 4.
Langley, Cortlandt J., and W. F. O'Gorman, New York, N. Y., assignors to C. W. Bumstead, trustee, Highland Park, N. J. Variable transmission. 1,805,523; May 19.
Langley, Cortlandt J., New York, N. Y., assignor to C. W. Bumstead, trustee, Highland Park, N. J. Making match books. 1,829,994; Nov. 3.
Langley, Kenneth D., Larchmont, N. Y. Latch device. 1,792,173; Feb. 10.
Langley, Sam G. (See Durand, N. C., and Langley.)
Langley, Ralph H., and J. K. Drexelius, assignors to The Crosley Radio Corporation, Cincinnati, Ohio. Controlling and indicating device for radio sets. 1,827,089; Oct. 13.
Langmack, Roy E., Minneapolis, Minn. Motor lubricating device. 1,805,826; May 19.
Langmeier, Arthur, Dover, N. J., assignor to Hercules Powder Company, Wilmington, Del. Refining rosin. 1,835,063; Dec. 8.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Circuit-control apparatus. 1,793,329 Feb. 17.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Incandescent lamp. 1,804,349; May 5.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Electron discharge device. 1,816,682; July 28.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Picture transmission apparatus. 1,828,571; Oct. 20.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Vapor electric device. 1,836,805; Dec. 15.
Langner, Curt, Dresden, Germany. Packing device for engines. 1,792,591; Feb. 17.
Langner, Theodor, deceased, late of Vienna, Austria, by O. Gold, administrator, Vienna, Austria, assignor to Langer Fuel Saving Corporation of America, Wilmington, Del. Top-air-supplying apparatus for furnaces. 1,796,206; Mar. 10.
Langos, Otto A., Chicago, Ill. Musical toy. 1,821,184; Sept. 1.
Langrock, Joseph H., New Haven, Conn. Nonslip device for garments. 1,817,991; Aug. 11.
Langsenkamp, Frank H. (See Ulrich, Tomey D., assignor.)
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Leveling rod. 1,788,771; Jan. 13.
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,792,845; Feb. 17.
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,794,909; Mar. 3.
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,795,220; Mar. 3.
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,795,724; Mar. 10.
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Anchor for terminal rings of measuring tapes. 1,798,476; Mar. 31.
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Leveling instrument. 1,799,801; Apr. 7.
Langsner, Adolph, assignor to E. Dietzgen Company, Chicago, Ill. Developing apparatus. 1,802,977; Apr. 28.
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Steeple closure for ink bottles. 1,803,713; May 5.

Langsner, Adolph, assignor to Eugene Dietzgin Company, Chicago, Ill. Developing apparatus with blanket adjustment and spray application of liquid ammonia. 1,804,793; May 12.

Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Leveling instrument. 1,809,855; June 16.

Langsner, Adolph, assignor to Eugene Dietzgen Co., Chicago, Ill. Measuring tape. 1,812,965; July 7.

Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,817,198; Aug. 4.

Langsner, Adolph, assignor to Eugene Dietzgen Co., Chicago, Ill. Developing apparatus. 1,818,484; Aug. 11.

Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Developing apparatus. 1,820,280; Aug. 25.

Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Leveling rod. 1,824,023; Sept. 22.

Langston, Katherine G., St. Louis, Mo. Garment box. 1,825,272; Sept. 29.

Langston, Samuel M., Co. (See Sieg, Karl, assignor.)

Langston, Samuel M., Company. (See Moritz, Robert, assignor.)

Langston, Samuel M., Company. (See Schroeder, L. H., and Wagner, assignors.)

Langston, Samuel M., Company. (See Sieg, Karl, assignor.)

Langston, William A. P. S., Woburn, England. Organ. 1,826,518; Oct. 6.

Langstreth, Melon. (See Andrew, T. E., Langstreth, and Bancroft.)

Langton, John M., jr. (See Morgan, William C., assignor.)

Langtree, George R., et al. (See Rice, Merrit H., assignor.)

Langvand, Ivar L., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler and superheater. 1,827,529; Oct. 13.

Langvand, Ivar L. (See Trainer, J. E., and Langvand.)

Langwell, Herbert, Epsom, England, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Grinding of cellulosic materials. 1,823,691; Sept. 15.

Langwieler, Rudolf, assignor to the Firm I. P. Bernberg Aktiengesellschaft, Wuppertal-Oberbarmen, Germany. Device for mechanically lacing hanks of yarn. 1,830,279; Nov. 3.

Langworthy, Merton L. (See Manley, R. E., and Langworthy.)

Lanier, Edward H., Covington, Ky. Aeroplane. 1,803,805; May 5.

Lanier, Edward H., Covington, Ky. Aeroplane. 1,813,627; July 7.

Lanier, Lewis H., Newport, Ky. Machine for baking pastry shells. 1,823,151; Sept. 15.

Lanier, Sterling S., jr., Hopkinsville, Ky. Blasting shell. 1,787,910; Jan 6.

Lanier, Sterling S., jr., and C. Blanchard, Nortonville, Ky. Blasting shell. 1,832,132; Nov. 17.

Lanman, Hollister K. (See Corne, D., and Lanman.)

Lanning, Howard H., Topeka, Kans. Fire door. 1,803,333; May 5.

Lanning, Howard H., Topeka, Kans. Fire door. 1,829,008; Oct. 27.

Lanning, William H., Tuckahoe, N. Y. Crutch attachment. 1,817,829; Aug. 4.

Lanning, William H., assignor to W. W. Blakely, Detroit, Mich. Hold-down for vehicles. 1,799,427; Apr. 7.

Lannon, Thomas F., Van Nuys, Calif. Feed cutter. 1,804,350; May 5.

Lanoie, Louis A., Providence, R. I. Mechanical pencil. 1,790,430; Jan. 27.

Lanphier, Robert C., and F. C. Holtz, assignors to Sangamo Electric Company, Springfield, Ill. Method of and apparatus for integrating vector quantities. 1,790,052; Jan. 27.

Lansberry, George A., Kansas City, and L. A. Hartman and V. A. Jasperson, assignors to The American Bench Cot Company, Topeka, Kans. Bench cot. 1,788,919; Jan. 13.

Lanser, Alfred, Corseaux-Vevey, Switzerland. Automatic electric circuit breaker. 1,799,693; Apr. 7.

Lanser, Alfred, Corseaux Vevey, Switzerland. Measuring pump. 1,823,658; Sept. 15.

Lanser, Alfred, Corseaux-Vevey, Switzerland. Burner. 1,828,326; Oct. 20.

Lansing, Louis P. (See Grace, G. B., and Lansing.)

Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Control for generators. 1,799,853; Apr. 7.

Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Switch mechanism. 1,803,908; May 5.

Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Electrical apparatus. 1,824,824; Sept. 29.

Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine starting apparatus. 1,833,948; Dec. 1.

Lanterman, Frank and L. S., La Canada, Calif. Elastic-fluid turbine. 1,793,179; Feb. 17.

Lanterman, Lloyd S. (See Lanterman, Frank and L. S.)

Lantz, Grover B. (See Altshuler, H. I., and Lantz.)

Lanyon, Samuel H., San Francisco, Calif., assignor to M. H. Detrick Company, Chicago, Ill. Furnace construction. 1,806,809; May 26.

Lanz, Heinrich, Aktiengesellschaft. (See Huber, Fritz, assignor.)

Lanz, John, assignor to The A. C. Gilbert Company, New Haven, Conn. Electric motor. 1,796,292; Mar. 17.

Lanz, John, assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Fan base. 1,796,293; Mar. 17.

Lanza, Frank, Philadelphia, Pa. Ball receiver. 1,811,238; June 23.

Lapham, Edwin B. (See Tevis, Robert, assignor.)

Lapham, John G., New York, N. Y. Freezing unit. 1,834,459; Dec. 1.

Lapierre, George J., assignor of one-half to G. V. Morin, Pawtucket, R. I. Illuminated license plate construction. 1,815,854; July 21.

Lapin Specialty Mfg. Co. (See Ehrlich, Rose, assignor.)

Lapkin, Harry D., San Francisco, Calif. Hot water bottle thermometer. 1,829,414; Oct. 27.

La Place, Desmond R., Pittsburgh, Pa. Stapling machine. 1,802,387; Apr. 28.

Lapof, Samuel, Brooklyn, assignor to Bar-Ray Products, Inc., New York, N. Y. Partition block. 1,815,921; July 28.

Lapof, Samuel, Brooklyn, assignor to Bar-Ray Products, Inc., New York, N. Y. Lath for use in constructing surfaces impervious to X-rays. 1,815,922; July 28.

La Pointe, Albert A., assignor to Houghton Bulkeley, Hartford, Conn. Electromagnetic pump. 1,790,547; Jan. 27.

Lapointe, Francis J., Ann Arbor, Mich. Vertical pull broaching machine. 1,806,106; May 19.

Lapointe, Francis J., Ann Arbor, Mich. Power transmission mechanism. 1,814,089; July 14.

Lapointe, Francis J., Ann Arbor, Mich. Broaching machine. 1,831,960; Nov. 17.

Lapointe Machine Tool Company, The. (See West, Donald H., assignor.)

Lapp, Edward. (See Wolpert, A., and Lapp.)

Lapp, Edward and E. A., jr., and A. Wolpert, assignors to Pittsburgh Water Heater Company, Pittsburgh, Pa. Gas fired heater. 1,836,606; Dec. 15.

Lapsley, Robert, assignor to Norge Corporation, Detroit, Mich. Four speed transmission. 1,818,262; Aug. 11.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 1,830,797; Nov. 10.

Lapworth, Winfield S., Hopedale, Mass. Garment support. 1,824,556; Sept. 22.

Laraia, Giuseppe C., New York, N. Y. Reclining mechanism of barber or like chairs. 1,796,526; Mar. 17.

Laramee, Joseph, Hilton, Manitoba, Canada. Tractor hitch. 1,832,641; Nov. 17.

Laraway, William H., Grand Rapids, Mich. Window-shade roller. 1,792,846; Feb. 17.

Laraway, William H., assignor of one-half to Leonard DeVos, Grand Rapids, Mich. Vending machine. 1,821,223; Sept. 1.

Larcher, Georges, Paris, France. Moving diorama. 1,802,725; Apr. 28.

Larco Del Valle & Cie. (See Vicherd, Georges A., assignor.)

Lard, Allan E., assignor to The Federal Bill Counter Company, Washington, D. C. Machine for sorting and counting paper money. 1,803,624; May 5.

Lardy, Guillaume, Peage-De-Roussillon, France, assignor, by mesne assignments, to Du Pont Rayon Company, New York, N. Y. Restoring the luster to rayon. 1,803,672; May 5.

La Resista Corset Company, The. (See Hawes, George E., assignor.)

Large, Bert E. (See Sawyer, J. W., and Large.)

Large, George E. (See Johnson, G. T., and Large.)

Large, John H., Caldwell, assignor to International Musical Corporation Hoboken, N. J. Stringed musical instrument. 1,799,172; Apr. 7.

Largura, Twolik R., Michigan City, Ind. Brick making machine. 1,816,572; July 28.

Larimer Company, The. (See Hankins, Oscar R., assignor.)

Larinan, Harry E., Foley, Ala. Potato harvester. 1,789,527; Jan. 20.

La Rizza, Louis, Revere, Mass. Amusement apparatus. 1,795,610; Mar. 10.

La Rizza, Louis, Revere, Mass. Amusement device. 1,803,397; May 5.

Larkin Company. (See Hoyt, Lester F., assignor.)

Larkin, Elwood T., assignor to C. A. Criqui, Buffalo, N. Y. Drip pan for carburetors. 1,789,005; Jan. 13.

Larkin, Lester U., Atlanta, Ga., assignor, by mesne assignments, to The Guardian Trust Company, Cleveland, Ohio. Mechanical refrigeration unit. 1,823,275; Sept. 15.

Larkin, William H. (See Rigby, Clark F., jr., assignor.)

Larkinsk, Joseph E., assignor to Plywood Products Company, Louisville, Ky. Flooring construction. 1,801,093; Apr. 14.

Larmer, Claude D., and B. E. Dettman, Chicago, Ill. Sectional automobile radiator. 1,827,025; Oct. 13.

Larmour, James J., West Orange, N. J., assignor to The Chilton Pen Company, Inc., Long Island City, N. Y. Penholder or similar article. Des. 85,655; Dec. 1.

Larmuth, John H., Hill Crest, upper Colwyn Bay, North Wales. Winding, twisting, stranding, coiling, lapping, and the like machine. 1,799,984; Apr. 7.

Larner, Chester W. (See Kruse, O. V., and Larner.)

Larner, Chester W. (See Sanford, Sydney J., assignor.)
Larner, Chester W., Philadelphia, Pa. Valve. 1,801,049; Apr. 14.
Larner, Chester W., Philadelphia, Pa. Article of personal equipment. 1,816,049; July 28.
Larner, Chester W., Philadelphia, Pa. Valve. 1,829,703; Oct. 27.
Larner, Chester W., Philadelphia, Pa., assignor to I. P. Morris & De La Vergne, Incorporated. Valve. 1,800,545; Apr. 14.
Larouche, Joseph. (See Ingham, W. J., and Larouche.)
Larrabee, Bert G., Houston, Tex. Bowl. Des. 85,531; Nov. 10.
Larrabee, Clinton E., Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Paper clamp for dial recorders. 1,791,761; Feb. 10.
Larrabee, Clinton E., Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Card carrier for recorders. 1,799,752; Apr. 7.
Larrabee, Clinton E., Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Synchronizing mechanism for secondary clocks. 1,817,490; Aug. 4.
Larrabee, Clinton E., Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Oscillating armature secondary clock. 1,821,100; Sept. 1.
Larrabee, Clinton E., Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Secondary clock. 1,830,762; Nov. 10.
Larrabee, George E., Binghamton, N. Y. Lining for bearings. 1,832,488; Nov. 17.
Larsen, Alf N., Ogden, Utah. Landing skid for aeroplanes. 1,805,914; May 19.
Larsen, Alfred O., Chicago, Ill. Machine for washing and drying. 1,832,837; Nov. 17.
Larsen, Anton N., Wauconda, Ill. Smoker's pipe. 1,823,747; Sept. 15.
Larsen, Arnold L. (See Cochran, R. S., and Larsen.)
Larsen, Arnold L. (See de Coriolis, E. G., Moser, and Larsen.)
Larsen, Arnold L., assignor to Surface Combustion Corporation, Toledo, Ohio. Feeding sheet bars to furnace conveyers. 1,824,742; Sept. 22.
Larsen, Axel L., St. Paul, Minn. Game device. 1,824,553; Sept. 22.
Larsen, Carl A., Oak Park, Ill. Hood for automobile engines. 1,831,811; Nov. 17.
Larsen, Einer W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-handling apparatus. 1,793,104; Feb. 17.
Larsen, Einer W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Feeding mechanism. 1,815,262; July 21.
Larsen, Einer W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Feeding mechanism. 1,815,263; July 21.
Larsen, Einer W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Supporting device. 1,815,264; July 21.
Larsen, Einer W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 1,816,909; Aug. 4.
Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Fountain pen or similar article. Des. 84,249; May 26.
Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Fountain pen or similar article. Des. 84,641; July 14.
Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Fountain pen. Des. 84,943; Aug. 25.
Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Pencil. Des. 84,944; Aug. 25.
Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Fastening clip and attaching the same. 1,808,779; June 9.
Larsen, Lewis, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Making combined closely woven and fitch work fabric. 1,810,969; June 23.
Larsen, Lewis, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Furniture framing and making the same. 1,810,970; June 23.
Larsen, Lewis, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Forming fitched or fitch work articles. 1,821,554; Sept. 1.
Larsen, Louis H., Union City, N. J., and C. W. Nixon, New York, N. Y. Handle-arresting and coin-returning mechanism. 1,800,546; Apr. 14.
Larsen, Louis H., Union City, N. J., and C. W. Nixon, New York, N. Y. Change maker. 1,806,107; May 19.
Larsen, Louis H., Union City, N. J., and C. W. Nixon, New York, N. Y. Change-holding unit. 1,821,345; Sept. 1.
Larsen, Louis H., Union City, N. J., and C. W. Nixon, New York, N. Y. Magazine mounting and adjustment. 1,835,605; Dec. 8.
Larsen, Ludvig C., Chokio, Minn. Towing device. 1,836,806; Dec. 15.
Larsen, Neil P., assignor to The American Coach & Body Company, Cleveland, Ohio. Ladder support. 1,826,893; Oct. 13.
Larsen, Olaf, Oak Park, assignor to The Creamery Package Mfg. Company, Chicago, Ill. Hinge for vat covers. 1,809,047; June 9.
Larsen, Olaf, Oak Park, assignor to The Creamery Package Mfg. Company, Chicago, Ill. Sterilizer for milk cans. 1,809,048; June 9.
Larsen, Olaf, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Mechanism for capping bottles. 1,809,129; June 9.
Larsen, Olaf, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Valve. 1,831,457; Nov. 10.
Larsen, Ole A., Salt Lake City, Utah. Drain plug. 1,809,171; June 9.
Larsen, Paul J. (See Shapiro, L., and Larsen.)
Larsen, Torleif I. (See Bull, A. A., and Larsen.)
Larsh, Everett P., assignor to The Master Electric Company, Dayton, Ohio. Short circuiting device for motor commutators. Re18,093; June 9.
Larsh, Everett P., assignor to The Master Electric Company, Dayton, Ohio. Mixing machine. 1,790,928; Feb. 3.
Larsh, Everett P., assignor to The Master Electric Company, Dayton, Ohio. Armature bearing for electric motors. 1,792,645; Feb. 17.
Larson, Albert L., Beloit, Wis. Roller bearing. 1,803,625; May 5.
Larson, Alfred T., assignor to Du Pont Ammonia Corporation, Wilmington, Del. Manufacture of hydrogen. 1,797,426; Mar. 24.
Larson, Alfred T., assignor to Du Pont Ammonia Corporation, Wilmington, Del. Producing hydrogen. 1,809,978; June 16.
Larson, Alfred T., assignor to Du Pont Ammonia Corporation, Wilmington, Del. Conducting catalytic exothermic gaseous reactions. 1,833,188; Nov. 24.
Larson, Algot J. E., assignor to Art Metal Construction Company, Jamestown, N. Y. Binding means for the surface coverings of furniture. Re18,077; May 19.
Larson, Alison B., St. Paul, Minn. Tail gate device for dump trucks. 1,821,384; Sept. 1.
Larson, August, Chicago, Ill. Fretted instrument adjusting means. 1,818,631; Aug. 11.
Larson, Bert E., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,801,434; Apr. 21.
Larson, Bert E., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,821,555; Sept. 1.
Larson, Bert E., Park Ridge, assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,803,714; May 5.
Larson, Bert E., Park Ridge, assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,807,416; May 26.
Larson, Bertha H., San Francisco, Calif. Steam table serving pan cover. 1,823,152; Sept. 15.
Larson, Carl H., Melrose Park, Ill., assignor to The Adlake Company. Lamp-socket mounting. 1,792,498; Feb. 17.
Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Headlight for aircraft and the like. 1,800,301; Apr. 14.
Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Lamp mounting. 1,810,666; June 16.
Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash ventilator. 1,812,595; June 30.
Larson, Charles, Chicago, Ill. Caliper. 1,790,989; Feb. 3.
Larson, Charles, Baxter Springs, Kans., assignor to Ingersoll-Rand Company, Jersey City, N. J. Dolly for drill sharpeners. 1,814,516; July 14.
Larson, Clarence L., Seattle, Wash. Label attaching device. 1,815,154; July 21.
Larson, Clifford M., New York, N. Y. Oil and gasoline pump. 1,837,719; Dec. 22.
Larson, David C. (See Davis, L. I., Larson, and Lautrup.)
Larson, Gustaf, Hollywood, assignor to Los Angeles Brick Company, Los Angeles, Calif. Tile-shaping and trimming machine. 1,828,869; Oct. 27.
Larson, Homer W., et al. (See Stearns, Harry C., assignor.)
Larson, Homer W., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Indenturing apparatus. 1,826,795; Oct. 13.
Larson, John, Bronx, N. Y. Milk bottle holder. 1,815,514; July 21.
Larson, John A., Seattle, Wash. Pencil sharpener and holder. 1,807,245; May 26.
Larson, John M., Los Angeles, Calif. Combined cigarette extinguisher and receptacle. 1,820,077; Aug. 25.
Larson, John M., assignor to National Regulator Company, Chicago, Ill. Thermostatic control for heating systems. 1,792,101; Feb. 10.
Larson, John M., assignor to National Regulator Co., Chicago, Ill. Accelerator for temperature control. 1,792,230; Feb. 10.
Larson, John V., Chicago, Ill. Automatic nut wrench. 1,830,033; Nov. 3.
Larson, Joseph E., Clarks, Nebr. Stock separator. 1,788,244; Jan. 6.
Larson, Lawrence E., Fort Morgan, Colo. Combination feed grinder. 1,801,929; Apr. 21.
Larson, Leander, U. S. Army, Kirkland, Ill. Air brush. 1,787,583; Jan. 6.

Larson, Leonard, Massillon, assignor, by mesne assignments to Republic Steel Corporation, Youngstown, Ohio. Apparatus for conveying material through heat-treating furnaces. 1,793,940; Feb. 24.
Larson, Margaret S., Denver, Colo. Penguin doll. Des. 85,757; Dec. 15.
Larson, Oscar J., and J. R. Jones, assignors to Art Metal Construction Company, Jamestown, N. Y. Metal furniture and the like. 1,811,471; June 23.
Larson, Peter E., Chicago, Ill. Combination table and ironing board. 1,804,372; May 5.
Larson, Roy E. (See North, E. W., and Larson.)
Larson, Sigfrid, Portland, Oreg. Flow indicator for fluids in closed conduits. 1,795,340; Mar. 10.
Larson, Uno L., Gary, Ind. Doorstop. 1,800,086; Apr. 7.
Larson, Walter E., and J. H. Kohler, Pittsburgh, Pa., assignors, by mesne assignments, to Walker Manufacturing Company, Racine, Wis. Jack. 1,810,667; June 16.
Larson, Walter E., and J. H. Kohler, Pittsburgh, Pa., assignors, by mesne assignments, to Walker Manufacturing Company, Racine, Wis. Jack handle. 1,810,715; June 16.
Larsson, Axel J., Ronninge, Sweden. Steam heating system. 1,787,485; Jan. 6.
Larsson, Carl A., and P. R. Higson, assignors to Vickers-Armstrong Limited, Westminster, England. Gas operated machine gun and automatic small arms. 1,811,693; June 23.
Larsson, Carl A., and P. R. Higson, assignors to Vickers-Armstrong Limited, Westminster, England. Drum magazine for machine guns and automatic small arms. 1,811,694; June 23.
Larsson, Knut., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Telephone system. 1,819,683; Aug. 18.
Larsson, Lars G., Englewood, N. J. Automobile parking clock. 1,835,065; Dec. 8.
Larsson, Markus, Berlin, Germany, assignor, by mesne assignments, to Du Pont Ammonia Corporation, Wilmington, Del. Producing phosphoric acid and hydrogen. 1,797,726; Mar. 24.
Larsson, Markus, Berlin, Germany, assignor to Kunstdünger - Patent - Verwertungs - Aktiengesellschaft, Glarus, Switzerland. Leaching phosphate rock. 1,821,653; Sept. 1.
Larsson, Markus, Berlin, Germany, assignor to Kunstdunger - Patent - Verwertungs Aktiengesellschaft, Glarus, Switzerland. Leaching phosphate rock. 1,836,672; Dec. 15.
Larsson, Sven, Sandviken, Sweden. Feeding arrangement in sharpening machines for razor blades. 1,820,810; Aug. 25.
Larsson, Sven, Sandviken, Sweden. Discharging arrangement in sharpening machines for razor blades. 1,828,671; Oct. 20.
Larsson, Thure, assignor to Norton Company, Worcester, Mass. Abrasive wheel. 1,805,949; May 19.
Larsson, Thure, and H. W. H. Beth, assignors to Norton Company, Worcester, Mass. Grinding wheel. 1,815,108; July 21.
L'Art Manufacturing Company. (See Dodson, Carroll E., assignor.)
Larter, Halsey M., assignor to William S. Hicks' Sons, Newark, N. J. Combined golf pencil and wrist strap holder. Des. 84,352; June 9.
Larter, Halsey M., assignor to William S. Hicks' Sons, Newark, N. J. Combined golf pencil and holder therefor. Des. 84,353; June 9.
Larter, Halsey M., assignor to Larter & Sons, Newark, N. J. Multilead mechanical pencil. 1,808,171; June 2.
Larter & Sons. (See Larter, Halsey M., assignor.)
Lartz, George F., Morton Grove, Ill. Mounting device for pictures. 1,791,098; Feb. 3.
La Rue, E. C., et al. (See Vogt, Fredrik, assignor.)
La Rue, William D., Philadelphia, Pa., assignor to Victor Talking Machine Company. Sound-reproducing mechanism. 1,787,911; Jan. 6.
La Rue, William D., Philadelphia, Pa., assignor to Victor Talking Machine Company. Converting electrical vibrations into sound waves. 1,787,946; Jan. 6.
La Rue, William D., Philadelphia, Pa., assignor to Victor Talking Machine Company. Diaphragm. 1,798,688; Mar. 31.
La Rue, William D., Maple Shade, N. J., assignor to Victor Talking Machine Company. Stroboscopic testing system and apparatus. 1,812,348; June 30.
Larvex Corporation, The. (See Sachs, Albert P., assignor.)
Larzelere, Charles B., and H. J. Huber, Upper Darby, Pa., assignors to General Electric Company. Electric-switch-operating mechanism. 1,797,959; Mar. 24.
La Sala, Michael R., and F. Simone, New York, N. Y. Toy pistol. 1,807,922; June 2.
Lasar, Frank J., San Francisco, Calif., assignor to Champion Washer Company, Ltd. Washing machine. 1,789,006; Jan. 13.
Lascari, John. (See Fusco, J., Lascari, and Marrone.)
Lashar, Walter B., Fairfield, Conn., assignor to The American Fabrics Company. Label strip. 1,821,101; Sept. 1.
Lashar, Walter B., Fairfield, Conn., assignor to American Fabrics Company. Feeding tape. 1,832,034; Nov. 17.
Lasher, Frederick G., Brooklyn, N. Y. Printing ink. 1,822,533; Sept. 8.
Lasher, Martha, Miami, Fla. Fruit holder. 1,806,631; May 26.
Lasier, David R., assignor to Norton-Lasier Company, Chicago, Ill. Fusible type hold open arm. Re18,284; Dec. 15.
Lasier, David R., assignor to Norton-Lasier Company, Chicago, Ill. Fusible type hold open arm. 1,812,408; June 30.
Lasier, David R., assignor to Norton-Lasier Company, Inc., Chicago, Ill. Door holder arm. 1,826,553; Oct. 6.
Lasier, David R., and J. P. Hume, assignors to Norton-Lasier Company, Chicago, Ill. Door holder. 1,834,163; Dec. 1.
Laska, Jacob, Milwaukee, Wis. Weed cutter. 1,813,540; July 7.
Laska, Leopold, Rudolph Reyher, and A. Zitscher, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuffs insoluble in water and process of making same. 1,805,915; May 19.
Laska, Leopold, and A. Zitscher, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of new azodyestuffs. 1,819,103; Aug. 18.
Laska, Leopold, and A. Werdermann. Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Meta-hydroxy-diphenylamine compounds and making same. 1,822,974; Sept. 15.
Laska, Leopold, and O. Haller, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Naphthylamine carboxylic acid derivatives and making same. 1,823,748; Sept. 15.
Laska, Leopold, and A. Zitscher, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuffs insoluble in water and making same. 1,838,229; Dec. 29.
Laska, Leopold, and A. Zitscher, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs from 2.3-hydroxynaphthoic acid arylids and making the same. 1,838,270; Dec. 29.
Lasker, George, Chicago, Ill. Boiler. 1,813,058; July 7.
Lasker, William W., jr., Brooklyn, N. Y. Marking device. 1,831,359; Nov. 10.
Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Back-space and column-normalizing mechanism for card-perforating machines. 1,798,610; Mar. 31.
Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Card punch. 1,804,994; May 12.
Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Statistical card printing and cutting machine. 1,804,995; May 12.
Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Carriage return for punching machines. 1,807,627; June 2.
Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Clutch mechanism for card punches. 1,810,317; June 16.
Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Accumulator operating mechanism. 1,820,078; Aug. 25.
Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Printing tabulator. 1,822,156; Sept. 8.
Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Tabulator printer. 1,831,358; Nov. 10.
Lasker, William W., Brooklyn, and H. R. Russell, Douglaston, assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y. Automatic selecting bar. 1,790,479; Jan. 27.
Laskey, Rose D., executrix. (See Laskey, William B.)
Laskey, William B., deceased, Brooklyn, N. Y., by R. D. Laskey, executrix, assignor to Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y. Method of and machine for producing confections. 1,817,383; Aug. 4.
Laskin, Benjamin, Philadelphia, Pa. Splice for elastic webbing. 1,828,812; Oct. 27.
Laskin, Myron, Malwaukee, Wis. Lustering and improving the quality of lambskins and sheepskins. 1,788,026; Jan. 6.
Lasko, Henry A., Westchester, Pa. Radiator-flushing unit. 1,799,105; Mar. 31.
Lasley, Jack C., Los Angeles, Calif. Collapsible portable dressing room. 1,803,626; May 5.
La Société Anonyme Jean Patou. (See Barbas, Raymond, assignor.)
La Societe dite: Societe Nouvelle de Metallisation. (See Hedde, Marie C. R., assignor.)
La Société; La Soudure Autogéne Francaise. (See Lebrun, M., and Brillié, assignors.)
La Spisa, Joseph J., New York, N. Y. Dispensing device 1,797,727; Mar. 24.
Lassagne, Victor F., Wilmette, Ill., assignor to International Harvester Company. Harvester thrasher coupling. 1,832,033; Nov. 17.
Lasselsberger, Leopold, Niederndorf, Austria. Disengageable coupling device. 1,825,357; Sept. 29.
Lassen, Peter, Roanoke, Tex. Bag filling device. 1,810,772; June 16.
Lassen, Waldemar H. C., St. Paul, Minn. Making motion picture screens. 1,804,170; May 5.

Lässig, Fritz, assignor to the Firm Schubert & Salzer Maschineniabrik Aktiengesellschaft, Chemnitz, Germany. Knitting machine. 1,825,746; Oct. 6.
Lassiter, James W. (See Tompkins, Charles B., assignor.)
Lassman, Benjamin, Pittsburgh, assignor to The American Fluid Motors Company, Philadelphia, Pa. Apparatus for pressure testing. 1,811,138; June 23.
Last, Albert H., New York, N. Y. Fitted-suitcase construction. 1,794,305; Feb. 24.
Last, James, New Rochelle, N. Y. Storing, transporting, and delivering articles. 1,838,065; Dec. 22.
Last, James, Kingston, Pa., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Tabulating machine. 1,812,883; July 7.
Laster, Harry W., Oak Park, assignor of one-half to J. W. Schindler, Elmhurst, Ill. Scarifying attachment for paving rollers. 1,805,524; May 19.
Lastomirsky, Michael P. (See Lastomirsky, S. W. and M. P.)
Lastomirsky, Stephen W., and M. P. Lastomirsky, Stratford, Conn. Pie and cake marker. 1,834,718; Dec. 1.
Lastra, Venancio M. (See Delmon, A. G., and Lastra.)
Latham, Harry M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Cloth-roll mounting, 1,793,180; Feb. 17.
Latham Machinery Company. (See Metcalf, Irving R., assignor.)
Lathers, Paul, Beloit, Wis. Power saw. 1,824,555; Sept. 22.
Lathers William C., Beloit, Wis. Automatic brake for trailers. 1,824,554; Sept. 22.
Lathrop, Elbert C. (See Munroe, T. B., and Lathrop.)
Lathrop, Harry D., Chicago, Ill. Valve-operating device. 1,800,648; Apr. 14.
Lathrop, Harry D., Chicago, Ill. Can washing machine. 1,803,627; May 5.
Lathrop, Harry D., Chicago, Ill. Liquid heater. 1,803,628; May 5.
Lathrop-Hoge Construction Company. (See Hoge, Edward C., assignor.)
Lathrop, Hubbel, Greenwich, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic body. 1,818,070; Aug. 11.
Latimer, Albert N., New York, N. Y. Game board. 1,825,673; Oct. 6.
Latimer-Goodwin Chemical Company, The. (See Goodwin, Harry B., assignor.)
Latimer, Homer H. (See Wildman, A. J., and Latimer.)
Latimer, John W., Lakewood, Ohio. Brake shoe. 1,817,570; Aug. 4.
Latimer, William G., assignor to Federal Cooperage Corporation, Detroit, Mich. Knockdown barrel and method and machine for forming same. 1,794,116; Feb. 24.
Latour Corporation. (See Latour, Marius, assignor.)
Latour, Marius, New York, N. Y., assignor to Latour Corporation, Jersey City, N. J. Coupling arrangement. 1,791,965; Feb. 10.
Latour, Marius, New York, N. Y., assignor to Latour Corporation, Jersey City, N. J. Electric signaling. 1,834,408; Dec. 1.
Latour, Marius, Paris, France, assignor to Latour Corporation, Jersey City, N. J. Radio signaling system. 1,801,774; Apr. 21.
Latshaw, Elmer, assignor to The J. G. Brill Company, Philadelphia, Pa. Slack adjuster. 1,795,221; Mar. 3.
Latshaw, Elmer, assignor to The J. G. Brill Company, Philadelphia, Pa. Motor mounting for car trucks. 1,804,351; May 5.
Latshaw, Elmer, assignor to The J. G. Brill Company, Philadelphia, Pa. Mounting for car axles. 1,825,530; Sept. 29.
Latshaw, Elmer, assignor to The J. G. Brill Company, Philadelphia, Pa. Car truck. 1,831,714; Nov. 10.
Latta, Eugene E., Clayton, Mo. Washing machine. 1,799,753; Apr. 7.
Latta, Isaac R., Drexel Hill, Pa., assignor to General Electric Company. Electric switch. 1,797,960; Mar. 24.
Latta, William I. (See Roberts, C. P., and Latta, assignors.)
Latty, Xavier, Paris, France. Railroad track weeding car. 1,816,086; July 28.
Laubach, Howard E., Cincinnati, Ohio, assignor to Delphos Printing Press Corp., Providence, R. I. Bed driving mechanism for bed and cylinder presses. 1,811,139; June 23.
Laube, Louis W., East Cleveland Ohio, assignor, by mesne assignments, to Flexlume Corporation, Tonawanda, N. Y. Electrode. 1,827,292; Oct. 13.
Laube, William F., Clarksville, Iowa. Cultivator shovel. 1,799,519; Apr. 7.
Laucks, I. F., Inc. (See Banks, H. P., and Davidson, assignors.)
Laucks, I. F., Inc. (See Brown, E. D., Davidson, and Laucks, assignors.)
Laucks, I. F., Inc. (See Laucks, I. F., Banks, Davidson, Rippey, and Cone, assignors.)
Laucks, Irving F. (See Brown, E. D., Davidson, and Laucks.)
Laucks, Irving F., H. P. Banks, G. Davidson, H. F. Rippey, and C. N. Cone, assignors to I. F. Laucks, Inc., Seattle, Wash. Plastic composition and making same. 1,835,713; Dec. 8.
Laubenstein, Harry W., Ashland, Pa. Bottle rack. 1,810,836; June 16.
Lauenstein, Otto, Wernigerode, Germany. Wrapping machine for candy, filled chocolates, and other kinds of confectionery. 1,834,460; Dec. 1.
Lauber, Emil, Portland, Oreg. Undercutter. 1,797,003; Mar. 17.
Laubheimer, John G., Nashville, Tenn. Septic tank. 1,807, 296; May 26.
Laubner, Otto, Penzig, Germany. Filter unit for tube wells. 1,787,634; Jan. 6.
Laucirica, Xaxier, New York, N. Y. Stuffing material. 1,824,489; Sept. 22.
Laucks, I. F., Incorporated. (See Laucks, I. F., and Davidson, assignors.)
Laucks, Irving F. (See Greene, F. C., and Laucks.)
Laucks, Irving F., and G. Davidson, assignors to I. F. Laucks, Incorporated, Seattle, Wash. Vegetable glue and making same. 1,805,773; May 19.
Laucks, Irving F. (See Davidson, G., and Laucks.)
Laucks, Irving F. (See Rippey, H. F., Cone, Davidson, Laucks, and Banks.)
Lauenstein, Otto., Wernigerode, Germany. Gripping device for praline and like wrapping machines. 1,817,695; Aug. 4.
Lauer, Carl E. (See Andrews, T. M., and Lauer.)
Lauer, Léon N., Paris, assignor to Société Anonyme des Etablissements Piganeau & Co., Sansjillon Clichy, Seine, France. Controlling device for brake cams. 1,792,432; Feb. 10.
Lauer, Louis, New York, N. Y. Knickers. 1,835,502; Dec. 8.
Lauer, William E. (See Rumble, Alex C., assignor.)
Lauffer, Frank P., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Securing damping magnets together. 1,834,409; Dec. 1.
Laughlin, Bessie D., administratrix. (See Laughlin, Elmyr A.)
Laughlin, Elmyr A., deceased, Oregon, assignor of one-half to himself and one-half to J. R. H. Potts, Chicago, Ill.; B. D. Laughlin, administratrix. Treating car wheels. 1,811,203; June 23.
Laughlin, Elmyr A., deceased, Rockvale, assignor of one-half to himself, and one-half to J. R. H. Potts, Chicago, Ill.; B. D. Laughlin, administratrix. Apparatus for treating car wheels. 1,811,204; June 23.
Laughlin, William C., Cleveland, assignor of one-third to J. P. Fife, Cleveland, Ohio, and one-third to W. T. Fife, Atlanta, Ga. Vending machine. 1,813,299; July 7.
Laukel, Arthur K., Detroit, Mich. Reenforcing hollow bodies formed by electrodeposition. 1,792,542; Feb. 17.
Laukel, Arthur K., Detroit, Mich. Making metal pattern equipment. 1,794,627; Mar. 3.
Laukel, Arthur K., Detroit, Mich. Cope and drag plate. 1,794,778; Mar. 3.
Laukel, Arthur K., Detroit, Mich. Electrodeposited core box. 1,794,858; Mar. 3.
Laukel, Arthur K., Detroit, Mich. Jigging and doweling patterns. 1,803,478; May 5.
Laukel, Arthur K., Detroit, Mich. Electrodeposited pattern. 1,825,189; Sept. 29.
Laukel, Arthur K., Detroit, Mich. Electrodeposited core box. 1,831,309; Nov. 10.
Laukel, Arthur K., Detroit, Mich. Core box. 1,836,977; Dec. 15.
Laukel, John H., Detroit, Mich. Making multiple core boxes. 1,810,523; June 16.
Launderville, Joseph S., Los Angeles, Calif. Upholstery tag-pin. 1,811,088; June 23.
Launderville, Joseph S., Los Angeles, Calif. Rug tag-pin. 1,822,494; Sept. 8.
Laurence, Joseph, Cleveland, Ohio. Money bank. Des. 85,293; Oct. 6.
Laurent, Emile A., Denver, Colo. Automobile signal lamp. 1,818,857; Aug. 11.
Laurent, Thomas, Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Lock for folding doors. 1,805,249; May 12.
Laurent, Torbern, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Method and apparatus for measuring the amplification ratio of electric amplifiers. 1,831,744; Nov. 10.
Laureys, Peter C., Jersey City, N. J., assignor to Loft, Inc., Long Island City, N. Y. Apparatus for making confections. 1,796,934; Mar. 17.
Laurila, Frans H., Worcester, Mass. Tip-up. 1,826,251; Oct. 6.
Lauritano, Henry, Springfield Gardens, N. Y. Meter installation. 1,815,855; July 21.
Lauritsen, Charles C., assignor to C. B. Kennedy Incorporated, St. Louis, Mo. Circuit control system for radio apparatus. 1,813,541; July 7.
Laursen, Bruno L., Dunedin, Fla. Folding furniture. 1,838,846; Dec. 29.
Laursen, Bruno L., Dunedin, assignor, by mesne assignments, of forty-eight per cent to Clearwater Lumber Company, Incorporated, Clearwater, Fla. Folding furniture. 1,805,736; May 19.
Laursen, Bruno L., Dunedin, assignor, by mesne assignments, of forty-eight per cent to Clearwater Lumber Company, Incorporated, Clearwater, Fla. Folding furniture. 1,805,737; May 19.
Laursen, Laurits A., assignor of one-fourth to P. F. Laursen, Akron, Ohio. Manufacture of pneumatic tires. 1,798,210; Mar. 31.

Laursen, Laurits A., assignor of one-fourth to P. L. Laursen, Akron, Ohio. Rubber tire and process of making. 1,805,146; May 12.
Laursen, Marius N., O'Brien County, Iowa. Planter wire scale. 1,822,352; Sept. 8.
Laursen, Pearl F. (See Laursen, Laurits. A., assignor.)
Laustrup, Kirstine. (See Woodjard, Guy L., assignor.)
Lautenschläger, Carl L., Frankfort-on-the-Main, M. Bockmühl, G. Ehrhart, Hochst-on-Main, and A. Schwarz, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, New York, N. Y. Molecular compound of P-Iodo-ethoxybenzoic acid benzylester. 1,836,125; Dec. 15.
Lauter, Fred I., New York, N. Y. Time control for bread toasters and the like. 1,834,064; Dec. 1.
Lauter-Humana Co. (See Cameron, Charles E., jr., assignor.)
Lauter, Werner M., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Analgeso-hypnotic composition. 1,797,428; Mar. 24.
Lauter, Werner M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Antioxidant. 1,838,058; Dec. 22.
Lauterbach, William, New York, N. Y. Doorstop or article of similar nature. Des. 83,051; Jan. 13.
Lauterbur, Edward J. (See Lauterbur, F. X. and E. J.)
Lauterbur, Edward J. (See Lauterbur, Frank X. and E. J., and Mintchell.)
Lauterbur, Frank X. and E. J., Sidney, Ohio. Dough-mixing machinery. 1,799,520; Apr. 7.
Lauterbur, Frank X. and E. J., Sidney, Ohio. Dough mixer. 1,811,472; June 23.
Lauterbur, Frank X. and E. J., and H. L. Mintchell, assignors to The Peerless Bread Machine Company, Sidney, Ohio. Water softening apparatus and automatically controlling the cycles in a water softening system. 1,804,834; May 12.
Lauter-Humano Co. (See Cameron, Charles E., jr., assignor.)
Lautrup, George W. (See Davis, L. I., Larson, and Lautrup.)
Lautrup, George W., Yonkers N. Y., and G. N. Crabbe, Cresskill, assignors to Otis Elevator Company, Jersey City, N. J. Elevator control system. 1,829,524; Oct. 27.
Laux, John W., Philadelphia, Pa. Knit-fabric-transferring implement. 1,790,350; Jan. 27.
Laux, Julius, Uerdingen-on-the-Niederrhein, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Iron-oxide pigment and producing the same as by-products of the reduction of aromatic nitro compounds. 1,793,941; Feb. 24.
Laux, Julius, Uerdingen-on-the-Niederrhein, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Iron-oxide pigment and producing the same as by-products of the reduction of aromatic nitro compounds. 1,793,942; Feb. 24.
Laux, Julius, Uerdingen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of iron oxide pigments. 1,835,409; Dec. 8.
L'Auxiliaire des Chemins de Fer et de l'Industrie. (See Fiedler, Sebastien O. A., assignor.)
Lava Crucible Company. (See White, H. E., Hess, and Neuhausen, assignors.)
Lava Crucible Company of Pittsburgh. (See White, Harold E., assignor.)
La Valle, Dominick. (See Gabriel, Pasquale T., assignor.)
Lavan, Thomas J., Cleveland, Ohio. Track jack. 1,831,670; Nov. 10.
La Van Way, William W., Long Beach, Calif. Automobile antitheft lock. 1,792,990; Feb. 17.
Lavarack, Frederick C. (See Hull, S. P., Corcoran, and Lavarack.)
Lavelle, Joe, Rock Springs, Wyo. Railway frog. 1,802,057; Apr. 21.
Lavender, Robert A., Washington, D. C. Locking mechanism. 1,799,593; Apr. 7.
Lavenson, Jay, Jenkintown, Pa., assignor to Pioneer Suspender Company, Philadelphia, Pa. Buckle. Des. 83,567; Apr. 7.
Laveque, Mose, assignor of one-fourth to E. S. Walters, and one-fourth to T. W. Scholtes, Munising, Mich. Nut lock. 1,796,207; Mar. 10.
La Vercombe, Harley H., assignor to Abrasive Engineering Corporation, Detroit, Mich. Abrasive testing machine. 1,821,169; Sept. 1.
La Vercombe, Harley H., assignor to Abrasive Engineering Corporation, Detroit, Mich. Hardness testing machine. 1,830,842; Nov. 10.
Lavergne, Jean, Paris, France. Carburetor. 1,805,586; May 19.
Lavers, Henry, and A. H. Higgins, London, England, assignors to Minerals Separation North American Corporation, New York, N. Y. Flotation concentration of metalliferous minerals. 1,833,427; Nov. 24.
Lavett, Charles O., Buffalo, N. Y. Centrifugal drier. 1,795,495; Mar. 10.
Lavigne, Michael A. S., Worcester, Mass. Carburetor. 1,790,821; Feb. 3.
Lavin, James A., New York, N. Y. Bulk measuring device. Des. 84,090; May 5.
Lavino, E. J., and Company. (See Housman, George S., assignor.)
Lavino, E. J., and Company. (See Sell, Gilbert E., assignor.)
Lavoie, Augustus, Leominster, Mass. Needle guard for sewing machines. 1,794,779; Mar. 3.
Lavoie, Louis, Quebec, Ontario, Canada. Feeding means for fluid fuels or the like. Re18,094; June 9.
Law, Clare H., Chicago, Ill. Signal device for record sheets. 1,819,251; Aug. 18.
Law, David D., Bronson, Iowa. Weed exterminator. 1,833,907; Dec. 1.
Law, Otis E., Brookfield, Ill., assignor to Pinless Clothes Line Corp. Garment hangers. 1,820,706; Aug. 25.
Law, Stanley W., Mahtomedi, and W. J. Eames, St. Paul, Minn. Bracket and dead end insulator. 1,806,170; May 19.
Law, Theodore L., Lorain, assignor of one-half to Montford Blake and one-half to R. L. Beck, Cleveland, Ohio. Adhesion preventing substance and using same. 1,815,305; July 21.
Law, Thomas E., assignor of one-half to W. Crouch, Mesa, Ariz. Windmill. 1,798,211; Mar. 31.
Law, Thomas J., Clear Lake, S. Dak. Visor signal for motor vehicles. 1,811,140; June 23.
Lawaczeck, Franz., Munich, Germany. Producing ammonia. 1,815,410; July 21.
Lawaczeck, Franz, Munich, assignor to Firm: Lawaczeck Gesellschaft mit beschrankter Haftung, Berlin, Germany. Operation of power plants. 1,821,265; Sept. 1.
Lawaczeck, Franz, Munich, Germany, assignor to firm Lawaczeck Gesellschaft mit beschrankter Haftung, Berlin, Germany. Metallurgical process and apparatus. 1,824,960; Sept. 29.
Lawaczeck, Franz, Munich, assignor to Firm Lawaczeck Gesellschaft mit beschränkter Haftung, Berlin, Germany. Electrolytic apparatus. 1,835,955; Dec. 8.
Lawaczeck Gesellschaft mit beschrankter Haftung. (See Lawaczeck, Franz, assignor.)
Lawaczeck Gesellschaft mit beschrankter Haftung, firm. (See Lawaczeck, Franz, assignor.)
Lawaczeck Gesellschaft mit beschrankter Haftung, firm. (See Niederreither, H., and Ernst, assignors.)
Lawler, James J., Mount Vernon, N. Y. Thermostatic mixing valve. 1,788,112; Jan. 6.
Lawler, James J., Mount Vernon, N. Y. Thermostatic mixing valve. 1,801,094; Apr. 14.
Lawler, James J., Mount Vernon, N. Y., assignor to Direct Control Valve Company, Chicago, Ill. Thermostatic control device for valves. 1,818,071; Aug. 11.
Lawlor, S. C., Company. (See Lawler, Simeon C., assignor.)
Lawlor, Simeon C., Chicago, Ill. Window pole. 1,806,261; May 19.
Lawlor, Simeon C., Chicago, Ill. Window pole. 1,815,923; July 28.
Lawlor, Simeon C., assignor to S. C. Lawlor Company, Chicago, Ill. Wringing machine. 1,805,774; May 19.
Lawr, Clarence W., Pachuca, Hidalgo, Mexico. Recovery of cyanid from alkalin liquors. 1,810,487; June 16.
Lawrason, Levering, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Method of and apparatus for mechanically reestablishing the dielectric field in a dehydrator. 1,838,847; Dec. 29.
Lawrason, Levering, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Method of and apparatus for dehydrating emulsions. 1,838,848; Dec. 29.
Lawrason, Levering, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Treater having rotatable live and grounded electrodes. 1,838,849; Dec. 29.
Lawrason, Levering, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Emulsion treater having central cylindrical live electrodes. 1,838,850; Dec. 29.
Lawrence, A. C., Leather Company. (See Teel, Lawrence H., assignor.)
Lawrence, Alfred. (See Thompson, F. E., and Lawrence.)
Lawrence, Almon R., Arlington, assignor to E. B. Badger & Sons Company, Boston, Mass. Corrugated shell and making the same. 1,813,859; July 7.
Lawrence, Almon R., Medford, assignor to E. B. Badger & Sons Company, Boston, Mass. Expansion joint. 1,826,666; Oct. 6.
Lawrence, Cecil H., Attleboro, Mass., assignor to Evans Case Company. Pocket lighter. Des. 84,354; June 9.
Lawrence, Charles B., Cleveland Heights, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio. Floor polishing device. 1,809,302; June 9.
Lawrence, Charles B., and E. F. Martinet, assignors to The P. A. Geier Company, Cleveland, Ohio. Spraying attachment. 1,805,216; May 12.
Lawrence, Charles B., and E. F. Martinet, assignors to The P. A. Geier Company, Cleveland, Ohio. Dust and air treating mechanism. 1,832,565; Nov. 17.
Lawrence, Charles L. (See Shoemaker, R. B., and Lawrence.)
Lawrence, Charles M., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,827,293; Oct. 13.
Lawrence, Clarke H. (See Corder, D. W., and Lawrence.)
Lawrence Development Co. (See Lawrence, George R., assignor.)
Lawrence, Edward A., Bellevue, assignor to Great Western Fuse Company, Pittsburgh, Pa. Renewable fuse. 1,788,877; Jan. 13.
Lawrence, Edward B. T., Burbank, Calif. Burnintool. 1,825,077; Sept. 29.

Lawrence, Edward H., Snohomish County, Wash. Tire puller. 1,822,409; Sept. 8.
Lawrence Engine Company. (See Lawrence, George R., assignor.)
Lawrence, Ernest C., assignor to James Purdy & Sons Limited, London, England. Light-projecting dummy cartridge for small arms. 1,795,401; Mar. 10.
Lawrence, George. (See Peterson, Carl, assignor.)
Lawrence, George R., assignor to Lawrence Engine Company, Chicago, Ill. Starter for internal combustion engines. 1,805,313; May 12.
Lawrence, George R., Chicago, Ill., assignor to Lawrence Development Co., Detroit, Mich. Air system. 1,815,306; July 21.
Lawrence, Harry W., Denver, Colo. Light screen. Des. 84,995; Sept. 1.
Lawrence, Harry W., Denver, Colo., assignor to Jewelite Inc. Electric sign. 1,838,415; Dec. 29.
Lawrence, James A., assignor of twenty-four one hundredths to M. J. Segal and twenty-four one hundredths to L. Cohen, Boston, Mass. Sign. 1,797,508; Mar. 24.
Lawrence, James P., assignor to American Monorail Company, Cleveland, Ohio. Conveyer. 1,838,772; Dec. 29.
Lawrence, John D., and S. W. Nicholson, assignors, by mesne assignments, to Dura Company, Toledo, Ohio. Window regulator. 1,805,217; May 12.
Lawrence, John H. (See Murray, T. E., and Lawrence.)
Lawrence, John H., New York, N. Y., assignor, by mesne assignments, to Metropolitan Engineering Company. Boiler. 1,830,169; Nov. 3.
Lawrence, John T., Castor, La. Plow. 1,811,089; June 23.
Lawrence, Leslie. (See Aeppler, C. W., and Lawrence.)
Lawrence, Lowell M., New Rockford, N. Dak. Ice-cream scoop. 1,799,827; Apr. 7.
Lawrence, Maude S., Alameda, Calif. Adjustable trousers protector. 1,828,572; Oct. 20.
Lawrence, Orville H., Elmira, N. Y. Powdered soap dispenser. 1,836,537; Dec. 15.
Lawrence, Oscar A., San Francisco, Calif. Stool, chair, and table construction. 1,800,456; Apr. 14.
Lawrence Paper Manufacturing Company. (See Hill, I., and Clayton, assignors.)
Lawrence Products Company, The. (See Davis, Frank P. C., assignor.)
Lawrence, Stanley O., Chicago, Ill. Sealing device for soft metal tubes. 1,815,319; July 21.
Lawrence, William H., Oklahoma City, Okla. Railway car brake. 1,820,196; Aug. 25.
Lawrence, Winthrop S., Brooklyn, assignor to Kaumagraph Company, New York, N. Y. Transfer and using the same. 1,799,754; Apr. 7.
Lawrence, Winthrop S., Brooklyn, assignor to Kaumagraph Company, New York, N. Y. Dyeing transfer and transfer ink. 1,827,591; Oct. 13.
Lawrie, Abram G., St. Louis, Mo. Rerailer for cars and locomotives. 1,794,020; Feb. 24.
Lawson, Alden B., Baltimore, Md. Air pressure water system for passenger cars. 1,829,450; Oct. 27.
Lawson, Clarence A., jr. (See Lawson, Clarence A., sr., and C. A., jr.)
Lawson, Clarence A., sr., and C. A., jr., Alhambra, Calif. Dental cabinet. 1,810,140; June 16.
Lawson, Clarence A., sr., and C. A., jr., Los Angeles, Calif. Dental cabinet. 1,838,687; Dec. 29.
Lawson, Clarence C., Fort Dodge, Iowa. Carbon scraper. 1,836,475; Dec. 15.
Lawson, F. H., Company, The. (See Lumley, Maurice, assignor.)
Lawson, George D., assignor of one-fourth to E. T. Lizenby and one-fourth to J. P. Grundon, Fort Dodge, Iowa. Lamp socket. 1,790,239; Jan. 27.
Lawson, John, and R. H. Lawson, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Mechanism for effecting reverse plating. 1,790,623; Jan. 27.
Lawson, John and R. H., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Circular-knitting machine for producing patterns in plated work. 1,792,231; Feb. 10.
Lawson, John and R. H., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Mechanism and process for effecting reverse plating. 1,796,266; Mar. 10.
Lawson, John and R. H., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Split foot hosiery and making same. 1,801,279; Apr. 21.
Lawson, John and R. H., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Mechanism for controlling knitting needles in plating operations. 1,801,606; Apr. 21.
Lawson, John and R. H., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Mechanism for effecting reverse plating. 1,806,199; May 19.
Lawson, John F., Brooklyn, N. Y. Electric welding. 1,805,549; May 19.
Lawson, Oscar L., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Lock-stitch shoe sewing machine. 1,814,562; July 14.
Lawson, Oscar L., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Sole grooving machine. 1,826,796; Oct. 13.
Lawson, Robert H. (See Lawson, John and R. H.)
Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Circular-knit hosiery and making same. 1,795,131; Mar. 3.
Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Mechanism for knitting split fabric. 1,801,280; Apr. 21.
Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Producing open, sinker loop, knitted fabric. 1,801,607; Apr. 21.
Lawson, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, assignors to Hemphill Company, Central Falls, R. I. Attachment for running-on knitted fabrics. 1,816,809; July 28.
Lawson, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, assignors to Hemphill Company, Central Falls, R. I. Dial pattern mechanism for effecting reverse plating. 1,821,893; Sept. 1.
Lawson, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, R. I., assignors to Hemphill Company, Central Falls, R. I. Tension controlling device for knitting machines. 1,822,870; Sept. 8.
Lawson, Walter E. (See Dykstra, H. B., and Lawson.)
Lawson, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition containing meta styrene combined with softeners. 1,792,102; Feb. 10.
Lawson, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative compositions. 1,824,961; Sept. 29.
Lawson, Walter R., Clarinda, Iowa. Oil gauge. 1,813,244; July 7.
Lawton, Howard B., Detroit, Mich. Log structure. 1,813,455; July 7.
Lawton, Oscar S. (See Dworsky, H. P., and Lawton.)
Lawton, Oscar S. (See Phillips, A. S., and Lawton.)
Lawton, Oscar S., New Bedford, Mass., assignor to Elastic Weave Products, Inc., New York, N. Y. Rubberless elastic fabric. 1,823,053; Sept. 15.
Lawton, Robert B., assignor to Weber Costello Company, Chicago Heights, Ill. Globe movable in meridian. 1,822,353; Sept. 8.
Lawton, Stanley W., New York, N. Y. Holder for collapsible tubes. 1,790,929; Feb. 3.
Lawton, Stanley W., New York, N. Y. Holder for collapsible tubes. 1,790,930; Feb. 3.
Laxo, Ed, Seattle, Wash., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Automatic stop mechanism. 1,799,106; Mar. 31.
Lay, Emil. (See von Forster, H., and Lay).
Lay, Howard A., Shadyside, Ohio. Plate or similar article. Des. 85,656; Dec. 1.
Laycock, Kenneth G., Shavertown, Pa., assignor to Goss Printing Press Company, Chicago, Ill. Method and mechanism for controlling the feeding of webs. 1,822,495; Sept. 8.
Laycock, Kenneth G., Kingston Township, Luzerne County, Pa., assignor to Goss Printing Press Company, Chicago, Ill. Paper tension control device for printing presses. 1,825,966; Oct. 6.
Layer, Hugo. (See Sproul, W. R., and Layer.)
Layfield, Clyde B., Phenix, Ala., assignor to Whitin Machine Works, Whitinsville, Mass. Bobbin holder of yarn winding spindle. 1,821,556; Sept. 1.
Layhon, Arthur J., Lowell, Mass. Shock absorber. 1,834,215; Dec. 1.
Layng, Thomas E. (See Parr, S. W., and Layng.)
Lazar, Israel, Montreal, Quebec, Canada. Folder. 1,815,654; July 21.
Lazarides, Thrasybule D., New York, N. Y. Automobile body. 1,795,783; Mar. 10.
Lazich, Branko, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,790,671; Feb. 3.
Lazich, Branko, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,809,633; June 9.
Lazich, Branko, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,809,634; June 9.
Lazich, Branko, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuits. 1,812,208; June 30.
Lazich, Branko, Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,822,496; Sept. 8.
Lazich, Branko, Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuits. 1,823,052; Sept. 15.
Lazier, Wilbur A., Elmhurst, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic process of hydrogenating and dehydrogenating carbon compounds. 1,829,046; Oct. 27.
Lazier, Wilbur A., Elmhurst, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Forming cyclic alcohols and ketones. 1,829,869; Nov. 3.
Lazzari, Peter, Pittsburgh, Pa. Toy performer. 1,807,119; May 26.
Lazzarini, Aldo, Astoria, N. Y. Cleaning implement. 1,797,614; Mar. 24.
Lazzeri, Nello, Virginia City, Nev. Baby carriage. 1,810,428; June 16.
Lea, Charles, Milton, Mass., assignor, by mesne assignments, to The Lubrication Corporation, South Bend, Ind. Lubricating apparatus. Re18,277; Dec. 8.
Lea Fabrics Inc. (See Smith, Paul S., assignor.)

Lea, Jesse W., Jackson, La. Bumper. 1,816,120; July 28.
Lea, John M., Detroit, Mich. Pumping mechanism. 1,834,461; Dec. 1.
Lea Manufacturing Company, The. (See Leather, Robert S., assignor.)
Leach, C. H., Company. (See Hurd, Norman L., assignor.)
Leach, Charles H., Newton Highlands, Mass. Heat-exchange apparatus. 1,799,471; Apr. 7.
Leach, Charles H., Newton Highlands, Mass. Refining apparatus. 1,821,346; Sept. 1.
Leach, Charles H., Newton Highlands, Mass. Oil refining apparatus. 1,821,347; Sept. 1.
Leach, Clinton W., Minneapolis, and G. M. Bogie, Glenwood, Minn., assignors of one-third to G. C. Leach, River Falls, Wis. Vehicle jack and support mechanism. 1,808,171; June 2.
Leach Company. (See Hamren, Eric O., assignor.)
Leach Company. (See Leach, E. C., and Doornbos, assignors.)
Leach, Elbert C., and J. F. Doornbos, assignors to Leach Company, Oshkosh, Wis. Peavey socket. 1,824,906; Sept. 29.
Leach, Ellis J., assignor to Sanford Mills, Sanford, Me. Manufacturing a woven warp pile fabric. 1,831,812; Nov. 17.
Leach, Ernest C., West Peabody, assignor to Lynn Products Co., Lynn, Mass. Oil burner and support therefor. 1,832,938; Nov. 24.
Leach, George C. (See Leach, C. W., and Bogie, assignors.)
Leach, George E., Minneapolis, assignor to Brown & Bigelow, St. Paul, Minn. Knife. Des. 85,481; Nov. 3.
Leach, Grover C., assignor to Thomas R. Leach, Brownwood, Tex. Seed grader. 1,813,300; July 7.
Leach, Harlan E., Owatonna, Minn. Cuff fastener. 1,838,851; Dec. 29.
Leach, Henry G., Red Bank, N. J., and E. H. Stolz, New Rochelle, N. Y. Audiphone unit. 1,826,797; Oct. 13.
Leach, John T., assignor to Indian Splint Inc., Rochester, N. Y. Latch mechanism for reclining chairs. 1,788,113; Jan. 6.
Leach, Joseph T., Fall River, Mass. Looper. 1,791,909; Feb. 3.
Leach, Robert H., Fairfield, Conn., assignor to Handy & Harman, New York, N. Y. Alloy. 1,829,903; Nov. 3.
Leach, Thomas R. (See Leach, Grover C., assignor.)
Leach, Vernon G., assignor to Modern Coal Burner Company, Chicago, Ill. Underfeed mechanical stoker. 1,825,273; Sept. 29.
Leach, Vernon G., assignor to Modern Coal Burner Company, Chicago, Ill. Dust recovery device. 1,825,274; Sept. 29.
Leach, Vernon G., assignor to Modern Coal Burner Co., Chicago, Ill. Device for eliminating hopper smoke. 1,830,798; Nov. 10.
Leadbetter, Louis L., Portland, Oreg. Treating paper. 1,824,024; Sept. 22.
Leaf, Earnest R., Portland, Oreg. Artificial Foot. 1,812,156; June 30.
Leaf, Sol S., assignor to Overland Candy Corporation, Chicago, Ill. Ice cream sandwich wafer. Des. 85,585; Nov. 17.
Leaf, Sol S., assignor to Overland Candy Corporation, Chicago, Ill. Ice cream sandwich wafer. Des. 85,586; Nov. 17.
League, Maurice S., Tacoma, Wash. Package pick-up device for aircraft. 1,822,354; Sept. 8.
Leahy, Michael J., Muncy, Pa. Gas-treating apparatus. 1,800,892; Apr. 14.
Leahy, Michael J., Muncy, Pa. Sulphur burner. 1,812,795; June 30.
Leahy, William P., assignor of one-half to E. A. Langenbach, Canton, Ohio. Suction cleaner. 1,787,537; Jan. 6.
Leake, Arthur G., Bridgeport, Conn. Base for a pen holder stand, paper weight, and the like. Des. 85,104; Sept. 15.
Leake, Arthur G., Bridgeport, Conn. Book end. Des. 85,105; Sept. 15.
Leake, Arthur G., Bridgeport, Conn. Tie scupper. 1,814,715; July 14.
Leake, Richard C., assignor to General Railway Signal Company, Rochester, N. Y. Train-dispatching system for railroads. 1,794,628; Mar. 3.
Leamy, Alan H., assignor to Auburn Automobile Company, Auburn, Ind. Automobile. Des. 84,484; June 23.
Leamy, Alan H., assignor to Auburn Automobile Company, Auburn, Ind. Automobile body. Des. 84,529; June 30.
Leamy, Alan H., assignor to Auburn Automobile Company, Auburn, Ind. Automobile. Des. 85,532; Nov. 10.
Leamy, Alan H., Auburn, Ind., assignor to Manning & Co., Chicago, Ill. Front drive automobile. 1,828,327; Oct. 20.
Leamy, Alan H., Auburn, Ind., assignor to Manning & Co., Chicago, Ill. Automobile construction. 1,834,164; Dec. 1.
Leander Development Corporation. (See Athana, Jacquelyn H., assignor.)
Leano, Celerino, Manila, P. I. Denominator machine. 1,815,515; July 21.
Leaper, Joseph M., assignor to E. F. Houghton and Company, Philadelphia, Pa. Inhibitor. 1,832,781; Nov. 17.
Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Blower valve for rock drills. 1,791,034; Feb. 3.
Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Air line oiler. 1,822,100; Sept. 8.
Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Piston for rock drills. 1,835,066; Dec. 8.
Leary, Eugene A., Cincinnati, Ohio. Tray like support. 1,814,252; July 14.
Leary, Eugene A., Cincinnati, Ohio. Wheel stop. 1,814,253; July 14.
Leary, Harry B., jr., Washington, D. C. Marking fibrous material. 1,800,146; Apr. 7.
Leary, John E., assignor of one-half to E. J. Crowson, Fitchburg, Mass. Combination lock. 1,816,382; July 28.
Lease, Harry I., Wharton, Tex. Wayside inn. Des. 83,733; Mar. 24.
Leaside Engineering Co. (See Jackson, M. B., and Clipsham, assignors.)
Leask, John P., Glenbrook, Conn., assignor to Peabody Engineering Corporation, New York, N. Y. Oil burning system. 1,822,047; Sept. 8.
Leasman, Emil L., Milwaukee, Wis. Colloid. 1,790,272; Jan. 27.
Leather, Robert S., assignor to The Lea Manufacturing Company, Waterbury, Conn. Abrasive compound. 1,822,596; Sept. 8.
Leatherman, Clarence M. (See Miner, E. L., and Leatherman.)
Leatherman, Earl W., Akron, Ohio. Washing machine. 1,797,474; Mar. 24.
Leavens, William B., jr., Maplewood, assignor to The Wilkata Folding Box Co., Kearny, N. J. Display container. 1,813,938; July 14.
Leavenworth, Seth H. (See Allen, G. N., Parker, and Leavenworth.)
Leavenworth, William H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Machine for manufacturing floor mats for motor vehicles. 1,827,709; Oct. 13.
Leavin, Samuel B. (See Leavin, William H. and S. B.)
Leavin, William H., assignor to Gotham Knitbac Machine Corporation, New York, N. Y. Machine for repairing runs in fabrics. 1,824,437; Sept. 22.
Leavin, William H. and S. B., assignors, by mesne assignments, to Gotham Knitbac Machine Corporation, New York, N. Y. Knitting needle. 1,823,906; Sept. 22.
Leavitt Machine Company, The. (See Swendeman, Joseph E., assignor.)
Leazar, William G. (See Prescott, E. H., and Leazar.)
Le Bailly, Andrew R., Chicago, Ill. Level indicator. 1,811,946; June 30.
Le Baron, Fred E., Atlanta, Ga. Emulsifying device. 1,799,051; Mar. 31.
Lebau, Louis, Pittsburgh, Pa. Electric radiant heater. 1,803,972; May 5.
Lebby, States L., Corning, N. Y. Determining headlight adjustments. 1,829,097; Oct. 27.
Lebedinsky, Myron, assignor to Société des Téléphones Grammont, Paris, France. Artificial impedance for telephone repeaters. 1,809,484; June 9.
Lebegue, Herbert, Highland, Ill. Sanitary wash-down closet disinfector. 1,798,090; Mar. 24.
Leberman, Harry, New York, assignor to Groove Lock Co. Inc., Brooklyn, N. Y. Fastening device for bag frames. 1,807,220; May 26.
Leberman, Harry, assignor to Groove Lock Co. Inc., New York, N. Y. Fastening device. 1,816,858; Aug. 4.
Leberman, Harry, assignor to Groove Lock Co. Inc., New York, N. Y. Vanity case. 1,818,409; Aug. 11.
Lebert, Louis. (See Savy, R., Lebert, and Guggenheim.)
Lebhers, Harry J., assignor to The Everedy Company, Frederick, Md. Bottle capper. 1,823,366; Sept. 15.
Lebherz, Harry J., assignor to The Everedy Company, Frederick, Md. Screen door grille. 1,814,317; July 14.
Lebherz, Harry J., assignor to The Everedy Company, Frederick, Md. Bottle capping throat. 1,835,990; Dec. 8.
Leblanc, Joseph, Ottawa, Ontario, Canada. Swimming apparatus. 1,821,974; Sept. 8.
Le Blanc, Lucien, Detroit, Mich. Sign. 1,800,087; Apr. 7.
Leblanc, Maurice A. E., Suresnes, France, assignor, by mesne assignments, to General Electric Company. Mercury vapor rectifier. 1,839,154; Dec. 29.
Le Bleu, Charles, Los Angeles, Calif. Revolving scraper. 1,826,252; Oct. 6.
Le Blond, Emil, Grosse Pointe Park, Mich. Feeler gauge. 1,837,556; Dec. 22.
Le Blond, R. K., Machine Tool Company, The. (See Groene, William F., assignor.)
Le Boeuf, Elphege, J. A. Smith, and J. Moss, Tilbury, Ontario, Canada; said Moss assignor to said Le Boeuf and said Smith. Fertilizer attachment for planting machines. 1,787,538; Jan. 6.
Leboeuf Fountain Pen Co. (See Walsh, Frank T., assignor.)
Leboucher, Paul J. (See Broussouse, F. L., and Leboucher.)
Le Bozec, Léon. (See Gautier, G. Le Bozec, and Dubois.)
Lebrecht, Frank, New York, N. Y. Table cover or similar article. Des. 83,623; Mar. 10.
Le Bret, Ludwig, Charlottenburg, Germany. Eccentric balance driving gear. 1,819,715; Aug. 18.
Le Breton, Léon, Les Lilas, France. Carburetor. 1,796,154; Mar. 10.

Lebrun, Alphonse I. (See Pallemaerts, F. A. F., and Leburn.)
Lebrun, Maurice, and J. Brillié, assignors to la Société; La Soudure Autogene Francaise, Paris, France. Welding electrode. 1,788,310; Jan. 6.
Lebrun, Paul F. J., Paris, France. Manufacture of luminescent tubes. 1,802,473; Apr. 28.
Lebrun, Paul F. J., Paris, France, and R. Préfontaine, Montreal, Quebec, Canada. Luminescent tube manufacture. 1,802,474; Apr. 28.
Lecher, H., Leverkusen, and A. Koch, Cologne-Deuts, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerization of butadiene hydrocarbons. 1,789,873; Jan. 20.
Lechlanche, S. A. (See Jayet, Alois, assignor.)
Lechler, Emil E. (See Rutter, M., and Lechler.)
Lechler, Firm: Paul. (See Mueller, Bernard W., assignor.)
Lechler, Fritz, Frankfort-on-the-Main, Germany. Production of sulphuric acid and oleum by the contact process. 1,811,797; June 23.
Lechler, Fritz, Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Process and apparatus for effecting chemical reactions between gases. 1,796,110; Mar. 10.
Lechner, Leopold, Mahr-Ostrau, Czechoslovakia. Container. 1,807,417; May 26.
Lecker, Isaac M., New York, N. Y. Rotary brush. 1,838,416; Dec. 29.
Leckie, Herbert V., assignor to Steel and Tubes, Inc., Cleveland, Ohio. Method and apparatus for preventing adherence of molten metal, etc. 1,812,409; June 30.
Le Clair, Frank J., Attleboro, Mass. Flask. Des. 84,835; Aug. 11.
Leclerc, Albert A., assignor to J. Robinson, Westmount, Quebec, Canada. Automatic train pipe coupling head. 1,819,372; Aug. 18.
Leclerc, Moise J., Flushing, N. Y. Photographer's darkroom safety knife. 1,796,847; Mar. 17.
Lecocq, Ernest, Brussels, Belgium. Sizing paper. 1,806,474; May 19.
Le Compte, Onesime H., Oklahoma City, Okla. Automatic train-pipe coupling. 1,791,870; Feb. 10.
Le Daum, Henry L., and L. C. Sturgis, Springfield, assignors, by mesne assignments, to The Buckeye Incubator Manufacturing Company, Beachwood, Ohio. Oil burner. 1,827,294; Oct. 13.
Ledbetter, James C. (See Yanchenko, Basil J., assignor.)
Ledbetter, James C., New York, N. Y., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,787,669; Jan. 6.
Ledbetter, James C., New York, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Power press. 1,788,489; Jan. 13.
Ledbetter, James C., New York, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 1,788,530; Jan. 13.
Ledbetter, James C., New York, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Fluid-pressure press. 1,789,488; Jan. 20.
Ledbetter, James C., New York, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Ironing-press burn guard. 1,798,743; Mar. 31.
Ledbetter, James C., New York, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 1,815,783; July 21.
Ledbetter, James C., New York, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Garment press. 1,826,619; Oct. 6.
Ledbetter, James C., Brooklyn, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Garment press. 1,802,313; Apr. 21.
Ledbetter, James C., Brooklyn, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Press and frame. 1,813,301; July 7.
Ledder, Christopher, and O. Snow, Hardin, Ill. Chair. Des. 84,585; July 7.
Ledeboer, John W., Ambler, Pa., assignor to Ambler Asbestos Shingle & Sheathing Company. Shingle roofing. Des. 83,624; Mar. 10.
Ledeboer, John W., Ambler, Pa., assignor to Ambler Asbestos Shingle & Sheathing Company. Colored sheet material. 1,790,822; Feb. 3.
Lederer, Ernest A. (See Marden, J. W., and Lederer.)
Lederer, Ernest A., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Glow discharge lamp. 1,787,689; Jan. 6.
Lederer, Ernest A., East Orange, N. J., assignor to Westinghouse Lamp Company. Rectifier. 1,787,690; Jan. 6.
Lederer, Ernest A., East Orange, N. J., assignor to Westinghouse Lamp Company. Cathode. 1,813,704; July 7.
Lederer, Ernest A., East Orange, N. J., assignor to Westinghouse Lamp Company. Screen grid tube. 1,830,233; Nov. 3.
Lederer, Erwin R., assignor to Texas Pacific Coal & Oil Co., Fort Worth, Tex. Producing lubricating oils. 1,803,941; May 5.
Lederer, Henry, & Bro. Inc. (See Butler, William J., assignor.)
Lederer, Henry, & Bro. Inc. (See Kilstrom, Axel, assignor.)
Lederer, Jac., Inc. (See Lederer, Samuel F., assignor.)
Lederer, Julius, Berlin, Germany, assignor, by mesne assignments, to American Air Filter Company, Louisville, Ky. Air filter. 1,788,164; Jan. 6.
Lederer, Samuel F., assignor to Jac. Lederer, Inc., Chicago, Ill. Lunch room stool. 1,829,564; Oct. 27.
Lederle, Charles F., Chicago, Ill. Electric swivel connection. 1,824,604; Sept. 22.
Lederman, John E., assignor to Hydro Electric Manufacturing Company, Milwaukee, Wis. Shaft coupling. 1,814,836; July 14.
Ledford, John F. (See Williams, F. B., and Ledford.)
Ledford, Lawson H. (See Williams, F. B., and Ledford.)
Ledig, Willy, Berlin, Germany, assignor to General Electric Company. Winding head for filament mounting machines. 1,815,784; July 21.
Ledig, Willy, and Walter-Winfried Loebe, Berlin, Germany, assignors to General Electric Company. Filament mounting machine. 1,816,683; July 28.
Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Padlock. 1,796,467; Mar. 17.
Le Dorf, Marida, Long Beach, N. Y. Foot protector. 1,830,471; Nov. 3.
Ledoux, John W., Swarthmore, assignor, by mesne assignments, to Simplex Valve & Meter Company, Philadelphia, Pa. Liquid meter. 1,810,141; June 16.
Ledoux, Joseph A., Worcester, Mass. Traffic marker. 1,825,003; Sept. 29.
Le Doux, Ulinore, Breaux Bridge, La. Vault. 1,792,380; Feb. 10.
Leduc, Marcel, Paris, France. Twisting machine. 1,837,052; Dec. 15.
Leduc, Marcel, assignor to Lignes Telegraphiques & Telephoniques, Paris, France. Apparatus for measuring transmission levels on telecommunication circuits. 1,817,259; Aug. 4.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Slotted window frame and closure strip. 1,790,931; Feb. 3.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automobile body. 1,794,465; Mar. 3.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Pressed-metal automobile body. 1,797,917; Mar. 24.
Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Pressed-metal automobile body. 1,797,918; Mar. 24.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Metal vehicle body. 1,797,989; Mar. 24.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Pressed-metal vehicle body. 1,798,545; Mar. 31.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Pressed-metal automobile body. 1,800,547; Apr. 14.
Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Co., Philadelphia, Pa. Pressed metal automobile body. 1,801,869; Apr. 21.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Door for closed vehicle bodies. 1,804,794; May 12.
Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Co., Philadelphia, Pa. Pressed metal vehicle body. 1,807,316; May 26.
Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Co., Philadelphia, Pa. Windshield mounting. 1,807,317; May 26.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Chassis construction. 1,808,502; June 2.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Pressed metal vehicle body. 1,808,560; June 2.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Pressed metal vehicle body. 1,808,561; June 2.
Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Co., Philadelphia, Pa. Pressed metal roadster body. 1,808,899; June 9.
Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Co., Philadelphia, Pa. Vehicle body construction. 1,808,960; June 9.
Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Co., Philadelphia, Pa. Automobile door construction. 1,809,592; June 9.
Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Automobile body. 1,812,441; June 30.
Ledwinka, Joseph, assignor to Budd Manufacturing Company, Philadelphia, Pa. Vehicle curtain rod socket. 1,816,332; July 28.
Ledwinka, Joseph., assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Cowl construction for vehicle bodies. 1,816,333; July 28.
Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Method of and apparatus for making sheets and irregular surface contours. 1,816,594; July 28.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Pressed metal automobile body. 1,820,079; Aug. 25.
Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Co., Philadelphia, Pa. Pressed metal body construction. 1,825,275; Sept. 29.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Pressed metal sedan body. 1,825,322; Sept. 29.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Combined body and chassis construction. 1,825,323; Sept. 29.
Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Co., Philadelphia, Pa. Pressed metal body frame. 1,826,425; Oct. 6.
Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Co., Philadelphia, Pa. Pressed metal vehicle body. 1,826,426; Oct. 6.
Ledwinka, Joseph, assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Automobile body construction. 1,826,427; Oct. 6.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Windbreak and securing means therefor. 1,829,597; Oct. 27.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Pressed metal automobile body. 1,829,751; Nov. 3.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Method of and apparatus for applying flexible covering to panel surfaces. 1,829,752; Nov. 3.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Side wall construction for pressed metal vehicle bodies. 1,834,493; Dec. 1.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automobile body construction. 1,834,524; Dec. 1.
Ledwinka, Joseph, assignor to Edward G. Budd, Manufacturing Co., Philadelphia, Pa. Automobile body. 1,834,525; Dec. 1.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Pressed metal vehicle body. 1,834,526; Dec. 1.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Pressed metal vehicle body construction. 1,834,527; Dec. 1.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Front post construction. 1,834,528; Dec. 1.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body construction. 1,834,529; Dec. 1.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Cowl construction and manufacturing same. 1,838,852; Dec. 29.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body construction. 1,838,853; Dec. 29.
Lee, Albert P., assignor to Lee Trailer & Body Co., Chicago, Ill. Semi automatic dumping body. 1,804,261; May 5.
Lee, Albert P., assignor to Lee Trailer & Body Company, Plymouth, Ind. Motor lift dumping body. 1,830,608; Nov. 3.
Lee, Albert W., and A. W. Hamby, Columbia, S. C. Carburetor. 1,809,485; June 9.
Lee, Alvin J. (See Moran, J. L., and Lee.)
Lee, Amund C., Viroqua, Wis. Weed exterminator. 1,807,695; June 2.
Lee, Aubrey M., University Place, Tex. Ice-making system. 1,796,568; Mar. 17.
Lee, Aubrey M., assignor, by mesne assignments, to General Ice Scoring Machine Company, Dallas, Tex. Delivery apparatus. Des. 18,155; Aug. 18.
Lee-Bradner Company, The. (See Schurr, Charles H., assignor.)
Lee, Carl W. (See Greer, L. C., and Lee.)
Lee, Charles A., jr., Westport, Conn., assignor to Doherty Research Company, New York, N. Y. Air lock method of increasing tunnel capacities. 1,829,525; Oct. 27.
Lee, Charles F., assignor of one-half to W. P. Griffiths, Philadelphia, Pa. Producing combined woven and knitted fabric. 1,799,563; Apr. 7.
Lee, Charles F., Cincinnati, Ohio, assignor to General Electric Company. System of motor control. 1,807,418; May 26.
Lee, Charles L., Dayton, Ohio, and C. H. Sterling, assignors to General Motors Research Corporation, Detroit, Mich. Finishing spline shafts. 1,815,626; July 21.
Lee, Charles L., Dayton, Ohio, and T. C. Van Degrift, assignors to General Motors Research Corporation, Detroit, Mich. Core for metal casting molds. 1,812,491; June 30.
Lee, Clarence O., Freeport, Tex., assignor to Freeport Sulphur Company. Liquid and gas separator. 1,834,065; Dec. 1.
Lee, Daniel J., Los Angeles, Calif. Interchangeable polishing brush. 1,795,869; Mar. 10.
Lee, Delmer C., Maplewood, assignor to Missouri Rolling Mill Corporation, St. Louis, Mo. Wire securing means for fence posts. 1,826,182; Oct. 6.
Lee Engineering, Incorporated. (See Lee, Henry B., assignor.)
Lee Engineering Research Corporation. (See Lee, Royal, assignor.)
Lee, Ernest E., Co. (See Brydon, Herbert B., assignor.)
Lee, Frank H., Danbury, Conn. Composite fabric and making the same. 1,813,860; July 7.
Lee, Frank H., Danbury, Conn. Hat construction and making the same. 1,813,861; July 7.
Lee, Frank H., Company, The. (See Keeshan, John W., jr., assignor.)
Lee, Frederick E. (See Hannay, W. H., and Lee.)
Lee, Frederick W., Washington, D. C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,797,268; Mar. 24.
Lee, Frederick W., Washington, D. C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,815,516; July 21.
Lee, Frederick W., Baltimore, Md., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,806,691; May 26.
Lee, Frederick W., Baltimore, Md. Magnetic saturation control of electric circuits. 1,838,315; Dec. 29.
Lee, Frederick W., Owings Mills, and M. W. Pullen, Towson, Md. Alternating current circuit controlling mechanism. 1,826,894; Oct. 13.
Lee, George E., Cleveland, assignor, by mesne assignments, to Mahoning Savings and Trust Company, Youngstown, Ohio. Printing press. 1,812,053; June 30.
Lee, George E., Cleveland, assignor, by mesne assignments, to Mahoning Savings and Trust Company, Youngstown, Ohio. Printing press. 1,812,054; June 30.
Lee, Harry S., Detroit, Mich. Camp stove. 1,796,033; Mar. 10.
Lee, Harry S., Plymouth, Mich. Device useful in casting or molding. 1,802,920; Apr. 28.
Lee, Harry S., Plymouth, and W. L. Kaiser, River Rouge, Mich. Screen for ball mills. 1,793,495; Feb. 24.
Lee, Henry B., assignor to Lee Engineering, Incorporated, New London, Conn. Pressure responsive control device. 1,831,072; Nov. 10.
Lee, Henry D., assignor to The Ashby Furniture Company, Incorporated, Berkeley, Calif. Chair. Des. 84,291; June 2.
Lee, Henry D., assignor to The Ashby Furniture Company, Incorporated, Berkeley, Calif. Sofa. Des. 84,292; June 2.
Lee, Henry R., and I. Gubelmann, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Chemical Corporation. Preparing purpurin. 1,790,932; Feb. 3.
Lee, Herman C., assignor to C. F. Burgess Laboratores, Inc., Madison, Wis. Punch. 1,837,451; Dec. 22.
Lee, Ira E. (See Calcott, W. S., and Lee.)
Lee, James E., assignor to Challenge Machinery Co., Grand Haven, Mich. Book guide for paper cutters. 1,795,611; Mar. 10.
Lee, James E., assignor to Challenge Machinery Company, Grand Haven, Mich. Label holder. 1,813,059; July 7.
Lee, James E., assignor to Challenge Machinery Company, Grand Haven, Mich. Newspaper turtle proof press. 1,822,301; Sept. 8.
Lee, James E., F. Barney, and P. J. Beatty, assignors to The Challenge Machinery Company, Grand Haven, Mich. Printer's-chase-locking device. 1,794,021; Feb. 24.
Lee, James F., assignor to Hardwick Stove Company, Cleveland, Tenn. Oven door. 1,838,271; Dec. 29.
Lee, James F., assignor to Hardwick Stove Company, Cleveland, Tenn. Range base. 1,838,272; Dec. 29.
Lee, James W., Kansas City, Mo. Beverage making machine. 1,804,795; May 12.
Lee, John A., Memphis, Tenn., assignor to E. L. Bruce Company. Wood block. 1,808,667; June 2.
Lee, John E., assignor of two-thirds to A. F. Cholerton and H. C. S. Tyler, Leicester, England. Machine for trimming the capsules or sealing covers of bottles, jars, and like containers. 1,806,475; May 19.
Lee, John G., Amityville, assignor to Fairchild Airplane Manufacturing Corporation, Farmingdale, N. Y. Folding-wing aeroplane. 1,793,494; Feb. 24.
Lee, John H. (See Martin, William C., assignor.)
Lee, Lawrence. (See Dirzuweit, John F., assignor.)
Lee, Leffman H. (See Balch, George E., assignor.)
Lee, Leffman H., Pittsburgh, Pa. Insulator. 1,790,273; Jan. 27.
Lee, Mildred, Santa Monica, Calif. Toy. Des. 83,052; Jan. 13.
Lee, Mildred, Santa Monica, Calif. Toy or similar article. Des. 84,355; June 9.
Lee, Nixon. (See Cunniff, B., and Lee.)
Lee, Oliver W., Houston, Tex. Window shade operating device. 1,824,673; Sept. 22.
Lee, Oscar, Waupun, Wis. Whisk broom. 1,814,169; July 14.
Lee, Oscar, assignor of one-half to H. P. Wangen, Fairfield, Mont. Tire-chain adjuster. 1,800,147; Apr. 7.
Lee, Oscar I. (See Orelup, J. W., and Lee.)
Lee, Ping, Windsor, Ontario, Canada. Detachable rubber heel. 1,805,738; May 19.
Lee, Ralph L., assignor to Delco Light Company, Dayton, Ohio. Domestic appliance. 1,808,927; June 9.
Lee, Ralph L., assignor to Delco-Light Company, Dayton, Ohio. Adjustable caster. 1,810,971; June 23.
Lee, Ralph L., assignor to Delco-Light Company, Dayton, Ohio. Domestic appliance. 1,826,798; Oct. 13.
Lee, Robert E., Fort Worth, Tex. Repressuring and flowing of wells. 1,816,260; July 28.
Lee, Roger K. (See Summers, C. E., and Lee).
Lee, Roger K., Highland Park, Mich. Rubber matting. Des. 84,586; July 7.
Lee, Roger K., assignor to Chrysler Corporation, Highland Park, Mich. Engine mounting. Re18,236; Oct. 27.
Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Running-board mat. Des. 83,454; Feb. 24.
Lee, Roger K., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Engine mounting. 1,788,878; Jan. 13.

Lee, Roger K., assignor to Chrysler Corporation, Detroit, Mich. Buffer. 1,808,418; June 2.
Lee, Roger K., assignor to General Motors Research Corporation, Dayton, Ohio. Vibrecorder. 1,820,232; Aug. 25.
Lee, Roger K., assignor to Chrysler Corporation, Detroit, Mich. Motor mounting. 1,830,117; Nov. 3.
Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Electric motor. 1,801,674; Apr. 21.
Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Attrition mill. 1,816,050; July 28.
Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Ore concentration. 1,829,565; Oct. 27.
Lee, Royal B., San Diego, Calif. Calendar. 1,792,232; Feb. 10.
Lee Rubber & Tire Corporation. (See Carlin, James C., assignor.)
Lee Rubber & Tire Corporation. (See Nellen, Arthur H., assignor.)
Lee Rubber & Tire Corporation. (See Weamer, Paul M., assignor.)
Lee, Thomas L., assignor, by mesne assignments, to North East Appliance Corporation, Rochester, N. Y. Electric ignition apparatus. 1,801,608; Apr. 21.
Lee Trailer & Body Co. (See Lee, Albert P., assignor.)
Lee, William D. (See Ockenden, Pierce, assignor.)
Lee, William R., Rochester, N. Y. Pipe cleaner. 1,811,205; June 23.
Lee, William S., assignor to General Motors Corporation, Detroit, Mich. Brake expanding mechanism. 1,816,595; July 28.
Lee, William S., and T. P. Chase, assignors to General Motors Research Corporation, Detroit, Mich. Adjustable brake lever. 1,812,492; June 30.
Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Condenser. 1,801,203; Apr. 14.
Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Electric switch. 1,817,155; Aug. 4.
Leece-Neville Company, The. (See Leece, Bennett M., assignor.)
Leech, Aubrey B., Los Angeles, Calif. Apparatus for producing motion picture effects. 1,821,557; Sept. 1.
Leech Carrier Corporation. (See Leech, William E. and W. T., and Barager, assignors.)
Leech, Russ B., assignor to Standard Process Corporation, Chicago, Ill. Combined ink eliminator and doctor blade. 1,812,884; July 7.
Leech, William E., Columbus, Miss., W. T. Leech and A. T. Barager, assignors to Leech Carrier Corporation, Buffalo, N. Y. Freight handling device. 1,830,740; Nov. 3.
Leech, Woodward T. (See Leech, William E. and W. T., and Barager.)
Leeds, Charles T., and W. K. Barnard, Los Angeles, Calif. Concrete block groin or sea wall. 1,812,300; June 30.
Leeds, Morris E., assignor to Leeds & Northrup Company, Philadelphia, Pa. Speed-control apparatus. 1,789,683; Jan. 20.
Leeds & Northrup Company. (See Behr, Leo, assignor.)
Leeds & Northrup Company. (See Bonn, Norman E., assignor.)
Leeds & Northrup Company. (See Bristol, Edward S., assignor.)
Leeds & Northrup Company. (See Harsch, J. W., and Schofield, assignors.)
Leeds & Northrup Company. (See Leeds, Morris E., assignor.)
Leeds & Northrup Company. (See Mears, Atherton H., assignor.)
Leeds & Northrup Company. (See Parker, Henry C., assignor.)
Leeds & Northrup Company. (See Rosecrans, Crandall Z., assignor.)
Leeds & Northrup Company. (See Schofield, William R., jr., assignor.)
Leeds, Ruby, Seattle, Wash. Kitchen utensil. 1,820,233; Aug. 25.
Leedy Manufacturing Company. (See Strupe, Cecil H., assignor.)
Leedy Manufacturing Company. (See Winterhoff, Herman E., assignor.)
Leek, Albert E., Wigan, England. Heat-exchange apparatus. 1,798,330; Mar. 31.
Leek, Albert E., Wigan, England. Steam generating plant. 1,807,538; May 26.
Leek, Frederick H., Cleveland, Ohio. Brake construction. 1,825,674; Oct. 6.
Leenhouts, Abraham, Holland, Mich. Razor. 1,821,975; Sept. 8.
Leeper, Frank, San Marino, Calif., assignor to Columbia Mills Incorporated, New York, N. Y. Intermediate support for Venetian-blind tilt rails. 1,793,943; Feb. 24.
Leeper, Frank, San Marino, and J. G. Osbon, Alhambra, Calif., assignors to Columbia Mills Incorporated, New York, N. Y. Venetian blind. 1,790,312; Jan. 27.
Lees-Bradner Company, The. (See Bayton, Edward A., assignor.)
Lees-Bradner Company, The. (See Schurr, Charles H., assignor.)
Lees-Bradner Company, The. (See Warner, Homer C., assignor.)
Lees, Ernest J., Shaker Heights, Ohio. Automatic temperature control. 1,807,101; May 26.
Lees, John W., Chicago, Ill. Rotary piston machine. 1,806,206; May 19.
Lees Manufacturing Company, The. (See Epstein, Benjamin B., assignor.)
Lees, Nora E., Sheffield, England. Cutlery and the like. 1,820,234; Aug. 25.
Lees, Obed O., and T. J. Finn, deceased, Columbus, Ohio; said Lees assignor to said Finn; E. S. Dailey, executrix. Railroad crossing gate. 1,810,051; June 16.
Leeseberg, Henry C., Fostoria, Ohio, assignor to C. A. Pierce and S. E. McFarren, Akron, Ohio. Volumetric displacement meter. 1,831,671; Nov. 10.
Leeson, Bruce H., Tynemouth, assignor to A. Reyrolle & Company, Limited, Hebburn-on-Tyne, England. Electrical remote control system. 1,833,428; Nov. 24.
Leeson, Bruce H., Tynemouth, and O. C. F. King, London, assignors to A. Reyrolle & Company, Limited, Hebburn-on-Tyne, England. Electrical remote control system. 1,820,354; Aug. 25.
Leet, Albert B., assignor to Rockford Machine Tool Co., Rockford, Ill. Feed mechanism for machine tools. 1,812,656; June 30.
Leet, Leslie N., Mountainside, N. J., assignor to The Aeolian Company. Electromagnet valve device. 1,836,077; Dec. 15.
Leevo, Voldemar, New York, N. Y. Tripod for cameras 1,803,534; May 5.
Le Febure Corporation. (See Dunbar, Charles J., assignor.)
Lefebvre, Omer F., Montreal, Quebec, Canada. Stamp or printing roller for stamp cancelling machine. 1,835,410; Dec. 8.
Lefebvre, Paul J. (See Defays, V. J., and Lefebvre.)
Le Fever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Shooting and magazine barrel for air rifles. 1,793,625; Feb. 24.
Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Combined shooting and magazine barrel for spring air guns. 1,825,190; Sept. 29.
Le Fever, Harry M., Philadelphia, Pa. Apparatus for controlling liquid levels. 1,820,981; Sept. 1.
Leff, Morris, New York, N. Y. Chair. 1,832,642; Nov. 17.
Leffel, Howard Z., Brooklyn, N. Y. Motor. 1,825,531; Sept. 29.
Leffel, James, & Company, The. (See Sparks, Albert F., assignor.)
Leffel, Robert, Louisville, Ky., assignor to Standard Sanitary Manufacturing Company. Drinking fountain. 1,815,476; July 21.
Leffingwell, Howard G., Grand Junction, Colo. Automobile signal window. 1,798,981; Mar. 31.
Leffingwell Rancho Company. (See McBeth, I. G., and Allison, assignors.)
Leffingwell, William H., Westfield, N. J. Chair. 1,789,821; Jan. 20.
Leffler, Ralph H., Deerfield, assignor to Carter Radio Company, Chicago, Ill. Electrostatic reproducer. 1,796,155; Mar. 10.
Lefkowitz, Charles M., New York, N. Y. Link switch. 1,804,425; May 12.
Lefranc, Jacques, assignor, by mesne assignments, to Wm. E. Celestin, Paris, France. Hydrolysis of cellulosic substances. 1,831,419; Nov. 10.
Le François, Edmond C., Clamart, France, assignor to General Electric Company. Step-by-step device. 1,794,234; Feb. 24.
Lefrançois, Edmond C., Clamart, France, assignor to General Electric Company. Electromagnet time delay device. 1,836,761; Dec. 15.
Le Ganger, Woodward B., Buck Hill Falls, Pa. Toy. 1,825,967; Oct. 6.
Legarde, Leoncio, Mexico, assignor of one-half to C. Martinez, Mexico, D. F., Mexico. Combined trapping and electrocuting apparatus. 1,805,407; May 12.
Legeler, Eberhard, and H. Kob, Premnitz, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for producing carbon disulphide. 1,793,181; Feb. 17.
Legeler, Eberhard, and E. Fischer, Premnitz, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing carbon disulphide. 1,795,132; Mar. 3.
Legendre, René A., Paris, France. Preservation of grain and the like. 1,802,083; Apr. 21.
Legg, David A., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Butyl-acetonic fermentation. Re17,930; Jan. 13.
Legg, Esther L., administratrix. (See Legg, Joseph W.)
Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oscillograph-lamp-control means. 1,790,158; Jan. 27.
Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Surge recorder. 1,792,314; Feb. 10.
Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oscillograph. 1,792,315; Feb. 10.
Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oscillograph system. 1,794,910; Mar. 3.
Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Optical system for oscillographs. 1,794,966; Mar. 3.

Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Method of and apparatus for generating energy beams. 1,798,689; Mar. 31.
Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Surge recorder. 1,801,775; Apr. 21.
Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Recording system. 1,801,814; Apr. 21.
Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oscillograph film holder. 1,810,021; June 16.
Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Operating mechanism for a record receiving member. 1,815,064; July 21.
Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vibration recorder. 1,823,326; Sept. 15.
Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photographic device. 1,828,328; Oct. 20.
Legg, Joseph W., deceased, Wilkinsburg, Pa.; E. L. Legg, Worcester, Mass., administratrix, assignor to Westinghouse Electric and Manufacturing Company. Oscillograph. 1,795,870; Mar. 10.
Legge, Peter S., Pompton Lakes, N. J. Tool for cutting stone. 1,828,740; Oct. 27.
Legg, Victor E. (See White, J. H., and Legg.)
Legg, Victor E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Noise suppressing circuit. 1,811,947; June 30.
Leggemann, Wilhelm, and W. Müller, Oberhausen, Germany. Device for the radial adjusting of brake blocks on railway vehicles. 1,796,605; Mar. 17.
Leggett, Francis H., and Company. (See Ehrenfeld, Arthur, assignor.)
Leggett, Henry S., Brooklyn, N. Y. Adjustable bracket for clotheslines. 1,818,561; Aug. 11.
Leggo, Arthur V. (See Hack, Ernest B., assignor.)
Legrand, Charles, Douglas, Ariz., assignor to Phelps Dodge Corporation, New York, N. Y. Feed control for furnaces. 1,835,790; Dec. 8.
Le Grand, Joseph M., assignor to Carrier Engineering Corporation, Newark, N. J. Method and apparatus for producing artificial climates. 1,827,530; Oct. 13.
Legrand, Jules. (See Guilbert, P., and Legrand.)
Legrand, Jules. (See Guilbert P., Legrand, and Lemaire.)
Legrand, Paul, Brussels, Belgium, assignor to International Pulverising & Grinding Machines (Parent) Corporation Limited, London, England. Disintegrating machine. 1,797,779; Mar. 24.
Le Grice, Clifford R., New Lynn, Auckland, New Zealand. Flushing apparatus. 1,787,486; Jan. 6.
Legros, Lucien A., Acton, London, England. Flexible track for wheels. 1,790,431; Jan. 27.
Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Running board mat. Des. 85,482; Nov. 3.
Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Running-board mat. Des. 85,483; Nov. 3.
Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for manipulating extensible strip material. 1,789,822; Jan. 20.
Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for conveying shrinking material. 1,792,316; Feb. 10.
Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hose and making the same. 1,798,798; Mar. 31.
Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire bead construction and making same. 1,813,176; July 7.
Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for manipulating tubular textile material. 1,836,718; Dec. 15.
Lehigh University et al. (See Long, James S., assignor.)
Lehman, Alfred D., New York, N. Y. Renewable elastic band. 1,789,823; Jan. 20.
Lehman, Arthur J., Cannelton, Ind. Combined glider and support. Des. 83,327; Feb. 17.
Lehman, Herman F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,830,034; Nov. 3.
Lehman, J. M., Maschinenfabrik, Firm. (See Wiemer, Kürt, assignor.)
Lehman, Joseph H., Hasbrouck Heights, N. J., assignor to Lehman Rotary Valve Co., Inc., New York, N. Y. Lubrication of rotary valves. 1,792,991; Feb. 17.
Lehman, Louis H. (See Winkler, Stephen, assignor.)
Lehman, Louis H., Philadelphia, Pa. Shower bath inclosure. Des. 84,041; Apr. 28.
Lehman, Louis H., Philadelphia, Pa. Shower bath inclosure. Des. 84,042; Apr. 28.
Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Wind-up apparatus. 1,787,826; Jan. 6.
Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Apparatus for removing trimmed waste from rubber tubes. 1,807,664; June 2.
Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire mold servicing machine. 1,809,856; June 16.
Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Manufacture of inner tubes. 1,819,032; Aug. 18.
Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Feeding and cutting machine. 1,819,033; Aug. 18.
Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire former and chuck. 1,832,489; Nov. 17.
Lehman Rotary Valve Co. (See Lehman, Joseph H., assignor.)
Lehman, Tillman H., Berne, Ind. Soap shaver. 1,811,017; June 23.
Lehman, Werner. (See Bager, W. M., and Lehman.)
Lehman, Werner, South Milwaukee, and T. Davidson, Milwaukee, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Boom suspension. 1,813,119; July 7.
Lehmann, Albert, Brooklyn, N. Y. Parachute. 1,810,488; June 16.
Lehmann, Albert, Brooklyn, N. Y. Life saving vest. 1,819,901; Aug. 18.
Lehmann, Albert, Brooklyn, N. Y. Shaving device. 1,835,655; Dec. 8.
Lehmann, Albert, New York, N. Y. Aeroplane rescue parachute. 1,835,656; Dec. 8.
Lehmann, E. P. (See David, Wilhelm, assignor.)
Lehmann, Erich. (See Marx, K., and Lehmann.)
Lehmann, Ernst P., Brandenburg-on-the-Havel, Germany. Toy. 1,802,433; Apr. 28.
Lehmann, Ernst Paul, Patentwerk. (See Richter, Johannes, assignor.)
Lehmann, Gotthilf, Bronx, N. Y. Combination electric light and perfume dispenser. 1,803,334; May 5.
Lehmann, J. M. (See Hanel, Paul, assignor.)
Lehmann, Julius C., New York, assignor to Philip Rauch, Brooklyn, N. Y. Rear-view-mirror bracket. 1,795,871; Mar. 10.
Lehmann, Karl A. (See Breitling, E., Brauer, Lehmann, and Bornkessel.)
Lehmann, Karl A., and F. Ranglack, Essen, assignors to Fried Krupp, Aktiengeselischaft, Essen-on-the-Ruhr, Germany. Setting mechanism for cash registers. 1,818,632; Aug. 11.
Lehmann, Paul H., Dallas, Tex. Air extractor and tube repairing tool. 1,828,813; Oct. 27.
Lehn, Henry C., Buffalo, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Gas engine. 1,796,716; Mar. 17.
Lehn, Henry C., Buffalo, assignor to Worthington Pump and Machine Corporation, New York, N. Y. Spark distributor. 1,833,083; Nov. 24.
Lehnert, Henry W. A., New York, N. Y. Auxiliary check valve. 1,787,947; Jan. 6.
Lehnert, Henry W. A., New York, N. Y. Valve handle. 1,823,496; Sept. 15.
Lehning, Charles, Astoria, N. Y. Air space expansion joint. 1,807,339; May 26.
Lehr, Ernst. (See Heymann, H., and Lehr.)
Lehr, Horace, Easton, Pa. Combined desk and radiocabinet. Des. 84,945; Aug. 25.
Lehrecke, Hans, Frankfort-on-the-Main, Germany. Rendering insoluble phosphates available. 1,795,173; Mar. 3.
Lehrecke, Hans, assignor to The Deutsche Gold & Silber Scheideanstalt, vormals Roessler, Frankfort-on-the-Main, Germany. Stabilization of hydrocyanic acid. 1,792,103; Feb. 10.
Lehrecke, Hans, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Treating metallurgical slimes. 1,826,183; Oct. 6.
Lehuta, Benedikt J., Briarcliff Manor, N. Y. Animal trap. 1,826,799; Oct. 13.
Leib, August, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio direction finding means for airplanes. 1,799,238; Apr. 7.
Leib, Frank A., San Jose, Calif. Grading machine. 1,832,035; Nov. 17.
Leibe, George, New Orleans, La. Transparent panel unit. 1,812,796; June 30.
Leiber, William C., Port Washington, N. Y. Miniature toy sternwheel steamboat. 1,814,837; July 14.
Leibing, Joseph K. (See Marvin, H. B., and Leibing.)
Leibing, William E., Sausalito, assignor to Lyons-Magnus, Incorporated, San Francisco, Calif. Syrup or beverage dispenser. Des. 83,685; Mar. 17.
Leich Electric Co. (See White, Thomas U., assignor.)
Leidy, Wilmer, J., assignor to Chicago Transformer Corporation, Chicago, Ill. Electrostatically shielded transformer coil windings and making the same. 1,833,221; Nov. 24.
Leifheit, Dale A. (See Broughton, C. B., Leifheit, and Carlson.)
Leigh, Nathan J. (See Babcock, Denison, assignor.)
Leigh, Nathan J., New York, N. Y. Display device. 1,834,955; Dec. 8.
Leighton, Eugene R., assignor to J. E. Leighton, North Andover, Mass. Capping bottles. 1,818,072; Aug. 11.

Leighton, Herbert J., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Starter for internal-combustion engines. 1,790,274; Jan. 27.
Leighton, Jennie E. (See Leighton, Eugene R., assignor.)
Leighton, John W., Port Huron, Mich. Spring suspension. 1,801,435; Apr. 21.
Leighton, John W., Port Huron, Mich. Billet casting machine. 1,807,419; May 26.
Leimbach, Adam, St. Louis, Mo. Fan. 1,812,596; June 30.
Leiman, Henry, assignor to Leiman-Weidman Box Company, Tampa, Fla. Box. 1,824,218; Sept. 22.
Leiman-Weidman Box Company. (See Leiman, Henry, assignor.)
Leimberger, Robert C., Cincinnati, Ohio, assignor, by mesne assignments, to United Autographic Register Co., Chicago, Ill. Roll stationery support. 1,815,785; July 21.
Leinau, Norman, Yonkers, N. Y., assignor, by mesne assignments, to Norlein Research Laboratories, Hackensack, N. J. Safety device. 1,832,712; Nov. 17.
Leinau, Norman, Yonkers, N. Y., assignor to Norlein Research Laboratories, Inc., Hackensack, N. J. Pipe thread packing sleeve. 1,832,713; Nov. 17.
Leinbach, Edward L., Chicago, Ill. Lifting jack. 1,809,979; June 16.
Leinbach, Edward L., deceased; G. Leinbach, executrix, assignor of one-half to F. G. Flosi, Chicago, Ill. Equalizing and controlling shock absorbers. 1,833,681; Nov. 24.
Leinbach, Gladys, executrix. (See Leinbach, Edward L., assignor.)
Leinen, Arthur P., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Shade-holding device. 1,796,848; Mar. 17.
Leinert, Charles H., Chicago, Ill. Valve for compressors. 1,833,841; Nov. 24.
Leinert, Wenzel W., New York, N. Y. Liquid measuring machine. 1,836,978; Dec. 15.
Leininger, Ivan E. (See Caps, A. W., and Leininger.)
Leipert, August H., assignor to International Motor Company, New York, N. Y. Cushion connection for vehicle construction. 1,787,539; Jan. 6.
Leipert, August H., College Point, assignor to International Motor Company, New York, N. Y. Wheel-torque insulator. 1,790,614; Jan. 27.
Leipert, August H., assignor to International Motor Company, New York, N. Y. Spring suspension. 1,794,780; Mar. 3.
Leipert, August H., assignor to International Motor Company, New York, N. Y. Cushion connection for vehicle construction. 1,795,432; Mar. 10.
Leipert, August H., assignor to International Motor Company, New York, N. Y. Forming and securing valve seats in position. 1,795,433; Mar. 10.
Leipert, August H., College Point, assignor to The Rubber Shock Insulating Corporation, New York, N. Y. Yielding cone disk. 1,808,358; June 2.
Leipert, August H., College Point, Long Island, assignor to International Motor Company, New York, N. Y. Brake spider. 1,810,356; June 16.
Leipert, August H., College Point, assignor to International Motor Company, New York, N. Y. Vehicle for collecting ashes. 1,815,440; July 21.
Leipert, August H., College Point, assignor to International Motor Company, New York, N. Y. Grease seal for universal joints. 1,833,051; Nov. 24.
Leipert, Edward, Flushing, assignor to International Motor Company, New York, N. Y. Lifting jack. 1,789,106; Jan. 13.
Leipold, Hugo, assignor to Buffalo Fire Appliance Corporation, Buffalo, N. Y. Fire extinguisher. 1,810,668; June 16.
Leis, Carl H., assignor to Johnson Bronze Company, New Castle, Pa. Forming flanged bearings. 1,794,183; Feb. 24.
Leis, Carl H., assignor to Johnson Bronze Company, New Castle, Pa. Forming flanged bearings. 1,794,184; Feb. 24.
Leishman, Le Roy J., assignor to Elec-Tru-Tone Corporation, Los Angeles, Calif. Telegraphophone system. 1,803,555; May 5.
Leister, C. W. (See Wilson, Oscar C., assignor.)
Leister, Grover D., San Francisco, Calif. Portable gin pole structure. 1,828,973; Oct. 27.
Leisy, Clifford J., assignor to The Glenn L. Martin Company, Cleveland, Ohio. Adjustable control pedal. 1,802,117; Apr. 21.
Leitch, David C., and C. W. Hamilton, Oakland, Calif. Casket construction. 1,821,760; Sept. 1.
Leitelt Iron Works. (See Meyer, Frederick H., assignor.)
Leiter, Charles R., assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Stud setter. 1,788,679; Jan. 13.
Leiter, Charles R., assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Stud setter. 1,825,876; Oct. 6.
Leiter, Winifred De Puy. (See Foulke, Roy D., assignor.)
Leitheuser, Andrew, East Orange, N. J. Receptacle and lighter. 1,831,014; Nov. 10.
Leitner, Henry, and H. C. Watts, Croydon, assignors to Metal Propellers Limited, London, England. Air screw. 1,789,240; Jan. 13.
Leitz, E., Inc. (See Tvestmann, Rudolf, assignor.)
Leitz, Ernst, Optische Werke. (See Barnack, Oskar, assignor.)
Leitz, Ernst, Optische Werke. (See Engelmann, Max., assignor.)
Leitz, Ernst, Optische Werke. (See Schäfer, Willy, assignor.)
Leitz, Eugene F., Portland, Oreg. Cigarette dispenser and lighter. 1,796,657; Mar. 17.
Leitzke, Reinhard, Beaver Dam, Wis. Attachable washer. 1,812,657; June 30.
Lejay, Raymond, Vincennes, France. Static suction apparatus. 1,811,323; June 23.
Le Jeune, Frank H., Jackson, assignor to General Motors Corporation, Detroit, Mich. Tire carrier lock. 1,829,415; Oct. 27.
Lejeune, George J., Philadelphia, Pa. Vortex ring toy gun. 1,806,067; May 19.
Le Jeune, James N., New Orleans, La. Panel mirror and picture mounting. 1,809,786; June 9.
Le Jeune, Randolph C., Baton, Rouge, La. Electric gas-stove lighter. 1,831,126; Nov. 10.
Leka, Thomas M., Englewood, N. J. Safety lifting and descending accessory for aircraft. 1,804,352; May 5.
Lektophone Corporation. (See Houghton, Vernon T., assignor.)
Lektophone Corporation. (See Hutchinson, William S., assignor.)
Leland, Cyrus A., jr., Des Moines, Ia. Water heater. 1,823,803; Sept. 15.
Leland Electric Company, The. (See Leland, G. H., and George, assignors.)
Leland, George H., and E. B. George, assignors, of three-fourths to The Leland Electric Company, Dayton, Ohio, and one-fourth to said G. H. Leland. Mounting for electric motors and the like. 1,790,159; Jan. 27.
Leland-Gifford Company. (See Bishop, Benjamin S. T., assignor.)
Leland-Gifford Company. (See Gifford, A. J., and Bishop, assignors.)
Leland, Roger M., Wellesley Hills, Mass. Lavatory fixture. 1,836,854; Dec. 15.
Lelong, Lucien, Inc. (See Wakefield, Frank E., assignor.)
Lemaignen, Robert. (See Villon, R., and Lemaignen.)
Lemaire, Maurice. (See Guilbert, P., Legrand, and Lemaire.)
Lemaire, Richard, Solingen, Germany. Hair-waving appliance. 1,800,866; Apr. 14.
Le Mare, Ernest B., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Production of glass in strip form and apparatus therefor. 1,812,537; June 30.
Le Mare, Ernest B., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Glass rolling apparatus particularly applicable to the production of continuous glass strips. 1,822,627; Sept. 8.
Le Mare, Ernest B., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Production of glass in strip form and apparatus therefor. 1,831,015; Nov. 10.
Le Mare, Ernest B., St. Helens, and F. B. Waldron, Prescot, assignors to Pilkington Brothers Limited, Liverpool, England. Feeding molten glass to a rolling apparatus for producing a continuous glass strip. 1,824,490; Sept. 22.
Le May, John, assignor to Aurora Metal Company, Incorporated, Aurora, Ill. Casting apparatus. 1,834,101; Dec. 1.
Le May, John, assignor to Aurora Metal Co., Aurora, Ill. Separable die. 1,837,452; Dec. 22.
Le May, John, assignor to Aurora Metal Company, Aurora, Ill. Casting. 1,838,417; Dec. 29.
Le May, John, assignor to Aurora Metal Company, Aurora, Ill. Casting. 1,838,418; Dec. 29.
Lemex, John D., Tulsa, Okla., assignor, by mesne assignments, to Oil Well Supply Company, Pittsburgh, Pa. Fishing tool. 1,800,736; Apr. 14.
Lemieux, Wilfred J., and J. Hood, assignors to Beacon Manufacturing Company, New Bedford, Mass. Automatic loom. 1,805,525; May 19.
Lemke, Paul F., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Focusing lens mounting. 1,835,503; Dec. 8.
Lemley, John S. (See O'Connor, Edward P., assignor.)
Lemley, John S. (See Schnier, William C., assignor.)
Lemm, Bonnie E. (See Schnell, W., and Lemm.)
Lemm, Lester F., et al. (See Van Horn, Earl, assignor.)
Lemme, Amos C., Waukon, Iowa. Dispensing apparatus. 1,788,348; Jan. 6.
Lemming, John C., assignor to Moraine Products Company, Dayton, Ohio. Briquetting machine. 1,806,300; May 19.
Lemming, John C., and A. H. Valentine, assignors to The Moraine Products Company, Dayton, Ohio. Briquetting machine. 1,820,235; Aug. 25.
Lemmon, George N., assignor to Southern States Equipment Co., Birmingham, Ala. Automatic circuit breaker. 1,821,761; Sept. 1.
Lemmon, Norman E., assignor to Standard Oil Company, Whiting, Ind. Revivifying spent fuller's earth. 1,805,178; May 12.
Lemmon, Norman E., assignor to Standard Oil Company, Whiting, Ind. Treatment of naphthenic oils. 1,823,614; Sept. 15.

Lemmon, Norman E., and F. V. Grimm, assignors to Standard Oil Company, Whiting, Ind. Removal of naphthenic acids from hydrocarbon oils. 1,823,615; Sept. 15.
Lemmon, Rees H. (See Yerkes, J. A., and Lemmon.)
Lemmons, Cammie L., Grand Rapids, Mich. Paint and lacquer shield. 1,799,913; Apr. 7.
Lemoine, David and G. Fournier, Whitinsville, Mass. Bobbin clutch for spindles. 1,809,049; June 9.
Lemoine, Henry G., Perriers-sur-Andelle, France. Powder box. 1,818,340; Aug. 11.
Lemoine, Renée M-L, née Trouillet, La Buissonniere, near Perriers-on-Andelle, France. Discharging apparatus for compressed gas. 1,794,185; Feb. 24.
Lemoine, Renée M-L, née Trouillet, La Buissonniere, near Perriers-on-Andelle, France. Portable atomizer for liquids of all kinds. 1,794,186; Feb. 24.
Lemoine, Renée M. L., née Trouillet, Perriers-sur-Andelle, France. Opening device for liquid or pressure gas bottles. 1,799,914; Apr. 7.
Lemon, Guy A., Chapman, Kans. Rumble seat construction. 1,806,692; May 26.
Lemont, Clarence J., assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Insulator mounting pins. 1,797,238; Mar. 24.
Lemp, Hermann, Glen Rock, assignor to Ingersoll-Rand Company, Jersey City, N. J. Thermostatic control for radiator fan motors. 1,831,961; Nov. 17.
Lemp, Hermann, Glen Rock, assignor to Ingersoll-Rand Company, Jersey City, N. J. Speed control apparatus for locomotives. 1,838,419; Dec. 29.
Lencke, John K., and H. Schmid., Kingston, N. Y., assignors to Apollo Magneto Corporation. Impulse coupling. 1,814,318; July 14.
Lendresse, Victoria, New Orleans, La. Hose supporter and protector. 1,838,688; Dec. 29.
Lendrich, Karl, deceased, Hamburg, Germany; L. B. P. Lendrich, widow; E. C. Wemmering, daughter, and Otto Lendrich, son, heirs at law. Improving coffee-beans. 1,822,227; Sept. 8.
Lendrich, Louise B. P., widow, et al., heirs. (See Lendrich, Karl.)
Lendrich, Otto, Son, et al., heirs. (See Lendrich, Karl.)
Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company. Remote metering system. 1,813,177; July 7.
L'Enfant, Charles, New York, N. Y. Savings bank. 1,824,438; Sept. 22.
L'Enfant, Charles, New York, N. Y. Reinforcing the walls of bill folds, cardcases, and similar articles. 1,831,016; Nov. 10.
L'Enfant, Charles, New York, N. Y. Work guiding means. 1,833,027; Nov. 24.
L'Enfant, Charles, New York, N. Y. Coin bank. 1,838 689; Dec. 29.
Lengsholz, Peter J., Massillon, Ohio. Gas fired kiln. 1,810,616; June 16.
Lengyel, Coloman, Chicago, Ill. Catering equipment for motor cars. 1,789,982; Jan. 27.
Lenhardtson, Emilio, Buenos Aires, Argentina. Suspension of vehicles. 1,815,924; July 28.
Lenhart, Alfred A. and R. F., Minneapolis, Minn. Tractor hitch. 1,813,500; July 7.
Lenhart, John, Richboro, Pa. Electrically driven lawn mower. 1,810,357; June 16.
Lenhart, Roy F. (See Lenhart, Alfred A. and R. F.)
Lenief, André, Paris, France. Securing device for suspenders. 1,832,566; Nov. 17.
Lenihan, Lennis C. (See Hill, A. F., and Lenihan.)
Lenk, Mathias, Lennep, assignor to the Firm Barmer Maschinenfabrik Aktiengesellschaft, Barmer-Rittershausen, Germany. Double-ring twisting frame specially for twisting artificial silk. 1,793,704; Feb. 24.
Lenk, Wilhelm, assignor to Barmer Maschinenfabrik Aktiengesellschaft, Remscheid-Lennep, Germany. Thread brake for twisting spindles. 1,826,354; Oct. 6.
Lenke, George H., Cicero, Ill. Skylight construction. 1,812,009; June 30.
Lenmark, Oal J. (See Bros, C. K., and Lenmark.)
Lenning, Alvar, Jackson Heights, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,823,456; Sept. 15.
Lenning, Alvar, Jackson Heights, assignor to Electrolux Servel Corporation, New York, N. Y. Condenser and rectifier. 1,823,497; Sept. 15.
Lenning, Alvar, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,830,203; Nov. 3.
Lenning, Alvar, assignor to Electrolux Servel Corporation, New York, N. Y. Air cooled refrigerator. 1,836,719; Dec. 15.
Lennon, Henry E., and R. E. O'Neil, Milford, N. H. Convertible structure. 1,802,151; Apr. 21.
Lennon, Patrick T., Cleveland, Ohio, assignor to The Kelly Reamer Company. Grinder. 1,836,807; Dec. 15.
Lennox, Thomas C., Pittsfield, Mass., assignor to General Electric Company. System of electric distribution. 1,804,353; May 5.
Lennox, Thomas C., Pittsfield, Mass., assignor to General Electric Company. Electric apparatus. 1,837,973; Dec. 22.
Lenouvel, Jules L., and P. Chapsal, Paris, France, assignors to Magnetyp S. A., Cologny, Switzerland. Printing music. 1,793,742; Feb. 24.
Lent, Alfred H., Capitola, Calif. Fishing tackle. 1,837,558; Dec. 22.
Lentheric, Incorporated. (See de Wagner, Maggy B., assignor.)
Lentz, Charles E., South Bend, Ind., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Wood coloring process. 1,809,980; June 16.
Lentz, David H., Joliet, Ill. Portable factory. 1,817,632; Aug. 4.
Lentz, Fred B., Bronx, N. Y. Window-cleaner's seat. 1,798,022; Mar. 24.
Lentz, George W., assignor to The Bonnot Company, Canton, Ohio. Chipping machine. 1,806,572; May 19.
Lenzkes, Karl, Gladbach-Neuwerk, Germany. Device for stopping electrically driven looms by the weft-guard. 1,811,239; June 23.
Leo, Albert, Chicago, Ill. Jelly preparation. Re18,085; June 2.
Leo, Albert, Chicago, Ill. Jelly cutting tool. 1,802,951; Apr. 28.
Leo, Albert, Chicago, Ill. Jelly preparation and making the same. 1,818,263; Aug. 11.
Leo, Albert, Chicago, Ill. Jelly preparation. 1,827,794; Oct. 20.
Leo, Albert, Chicago, Ill. Jelly preparation. 1,827,991; Oct. 20.
Leo, Herbert T., and C. C. Taylor, and F. A. Beck, Los Angeles, Calif. Pectous material and making the same. 1,838,949; Dec. 29.
Leo, Joseph C., Oelwein, Iowa. Danger signal light casing. Des. 85,832; Dec. 22.
Leo Meyer Company. (See Davis, Maurice E., assignor.)
Leon, Karl O., Lidkoping, Sweden. Self-adjusting roller bearing. 1,789,007; Jan. 13.
Leon, Karl O., Lidkoping, Sweden. Double-row ball or roller bearing. 1,790,869; Feb. 3.
Leon, Lewicki J., West Chicago, Ill. Bird cage. Re17,926; Jan. 13.
Leon, Lewicki J., West Chicago, Ill. Weed destroying implement. 1,836,259; Dec. 15.
Leon, Lewicki J., West Chicago, Ill., assignor to The Andrew B. Hendryx Company, New Haven, Conn. Bird cage base. 1,821,348; Sept. 1.
Leonard, Albert P., New York, N. Y. Baffle for heat exchangers. 1,791,468; Feb. 3.
Leonard, Albert P., Jackson Heights, N. Y. Sugar cane mill. 1,830,325; Nov. 3.
Leonard, Arthur G., jr., Wilmington, Ill. Making roofing, saturated felts, and the like. 1,827,026; Oct. 13.
Leonard, Charles, South Connellsville, Pa. Pressed steel crosstie. 1,826,554; Oct. 6.
Leonard, Frederick C., assignor to Leonard-Rooke Co., Providence, R. I. Mixing valve. 1,807,040; May 26.
Leonard, George A., Larchmont, N. Y. Roller skate. 1,822,896; Sept. 15.
Leonard, H. R. (See Guille, Arthur L., assignor.)
Leonard, Howard M., South Bend, Ind., assignor to Gernandt Motor Corporation, Chicago, Ill. Injection engine. 1,835,504; Dec. 8.
Leonard, Howard M., South Bend, Ind., assignor to Gernandt Motor Corporation, Chicago, Ill. Engine. 1,837,557; Dec. 22.
Leonard, James, Rochester, N. Y. Filling head for can filling machines. 1,814,168; July 14.
Leonard, James A., Bangor, Me. Trash rack rake. 1,839,186; Dec. 29.
Leonard, John H. (See Schneeweiss, P. R., and Leonard.)
Leonard, Norris C., Baltimore, Md. Device for cleaning and polishing teeth. 1,833,842; Nov. 24.
Leonard, Perry, Effingham, Kans. Combination air chuck and gauge. 1,800,393; Apr. 14.
Leonard-Rooke Co. (See Leonard, Frederick C., assignor.)
Leonard, Roy E., Los Angeles, Calif. Piston or plunger rod washing apparatus. 1,792,646; Feb. 17.
Leonard, Vincent W., Fort Wayne, Ind., assignor to General Electric Company. Automatic pressure regulator. 1,802,178; Apr. 21.
Leonard, W. A., Machine Co. Inc. (See Leonard, William A., assignor.)
Leonard, William A., assignor to W. A. Leonard Machine Co. Inc., Danbury, Conn. Hat brim flanging machine. 1,806,810; May 26.
Leone, Sinibaldo, Paterson, N. J. Saw filing machine. 1,812,636; June 30.
Leone, Sinibaldo, Paterson, N. J. Apparatus for assisting the crew of a sunken submarine. 1,812,637; June 30.
Leong, Chew H., Singapore, Straits Settlements, assignor to Eastman Kodak Company, Rochester, N. Y. Roll film photographic cameras and the like. 1,831,790; Nov. 10.
Leopard Automobile Products Corporation. (See Pilblad, Eric J., assignor.)
Leopard Automobile Products Corporation. (See Zaparka, Edward F., assignor.)
Leopold, George O. (See Fegley, T. J., and Leopold.)
Leopold, George O., assignor to North Bro's M'f'g Co., Philadelphia, Pa. Spiral screw driver. 1,821,841; Sept. 1.
Léopold, Georges, Geneva, Switzerland. Electric switch. 1,812,157; June 30.
Leopold, Richard, Frankfort-on-the-Main-Hochst, and M. Paquin, Koenigstein I/Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Urea derivatives of the 1.3-butylene-glycol and preparing them. 1,817,992; Aug. 11.
Leotard, Paul M. E., Paris, France. Steam ejector of vacuum brakes. 1,808,668; June 2.

Leparmentier, Robert L. A., Paris, France. Propeller blade. 1,833,843; Nov. 24.
Lepersonne, Max, Liege, Belgium, and E. Hastert, Esch-sur-Alzette, Luxemburg, assignors to Société Anonyme des Ciments Luxembourgeois, Luxemburg, Grand Duchy of Luxemburg. Rendering homogeneous finely pulverized materials in large masses. 1,806,068; May 19.
Lepiane, Joe and P., Los Angeles, Calif. Motor hedge trimmer. 1,838,690; Dec. 29.
Lepiane, Peter. (See Lepiane, J. and P.)
Lepke, Gustav A., Little Neck, N. Y. Rubber bathtub mat. Des. 83,113; Jan. 20.
Leppert, Henry E., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Panel-board switch. 1,795,434; Mar. 10.
Leppla, Albert F. (See Tollerton, W. J., Goodwin, and Leppla.)
Leppla, George C. (See Horsting, B. F., and Leppla.)
Lerch, Israel M. (See Dressler, Karl, assignor.)
Lerch, Theodore E., Palmyra, Pa. Vacuum cleaner. 1,792,992; Feb. 17.
Lerman, Benjamin, Chicago, Ill. Shirt form. 1,816,539; July 28.
Lermer, Herman B., assignor to Hygienic Tube Co., Newark, N. J. Container. 1,824,907; Sept. 29.
Lerner, Earl A., assignor to himself and E. E. Crane, Chicago, Ill. Sprocket chain. 1,808,236; June 2.
Lerum, Martin, Minneapolis, Minn. Cover, brush holder, and squeezer for liquid containers. 1,838,490; Dec. 29.
Lery, André, assignor to A. J. Carpentier and Compagnie Francaise pour l'Exploitation des Procedes Thomson-Houston, Paris, France. Telegraphic system. 1,789,633; Jan. 20.
Le Sauvage, George R., Buffalo, N. Y. Waste can. 1,828,741; Oct. 27.
Le Sauvage, George R., assignor to Republic Metalware Company, Buffalo, N. Y. Cooking apparatus. 1,809,172; June 9.
Lescadieu, Paul, Athus, Belgium, assignor to P. Adnet, Lyon, France. Locking nut. 1,792,381; Feb. 10.
Lesche, Ernst C., Berlin-Lankwitz, Germany. Grinding mill. 1,832,403; Nov. 17.
Leschey Myers Cigar Box Company. (See Myers, Chester G., assignor.)
Leschke, August H., Pittsburgh, Pa. Car-washing apparatus and control therefor. 1,791,216; Feb. 3.
Les Etablissements Poulenc Freres. (See Chagnaud, André, assignor.)
Les Etablissements Poulenc Freres. (See Oechslin, Carl, assignor.)
Les Fils D'Albert Collet. (See Collet, Maurice, assignor.)
Lesher, Samuel E., Marion, Ohio. Shock absorber. 1,823,834; Sept. 15.
Leshin, Joseph, Bronx, assignor to Majestic Metal Specialties, Inc., New York, N. Y. Cosmetic container. 1,790,586; Jan. 27.
Lesicko, Joseph, Livingston, Ill., assignor to Sullivan Machinery Company. Forging machine. 1,807,696; June 2.
Lesinski, Frank, Brooklyn, N. Y. Shoemaking. 1,831,672; Nov. 10.
Leslie, Eugene H., and E. M. Baker, Ann Arbor, Mich. Vaporizer and process of vaporization. 1,808,419; June 2.
Leslie, Eugene H., and E. M. Baker, Ann Arbor, Mich. Process of and apparatus for separating desired liquefiable constituents from a gaseous mixture. 1,808,420; June 2.
Leslie, Frank R., White Bear Lake, Minn. Insulation. 1,806,946; May 26.
Leslie, Freeland H., Chicago, Ill. Stand. 1,823,616; Sept. 15.
Leslie, Howard C., Milton, assignor to B R E Manufacturing Co., Hyde Park, Mass. Closet seat and the like. 1,829,526; Oct. 27.
Leslie, Howard C., Milton, assignor to B R E Manufacturing Co., Hyde Park, Mass. Hinge connection for water closet seats and covers. 1,838,420; Dec. 29.
Leslie, John W., Evanston, Ill., assignor, by mesne assignments, to Signode Steel Strapping Company. Pipe hanger. 1,804,472; May 12.
Leslie, John W., Evanston, Ill., assignor, by mesne assignments, to Signode Steel Strapping Company. Shock absorbing support. 1,820,281; Aug. 25.
Leslie, Norman, Kolar Westbury, Tasmania, Australia. Apparatus for the treatment of ores. 1,834,854; Dec. 1.
Leslie, Percy R., Essendon, Victoria, Australia. Mechanism for the mechanical computation and the recording of labor costs. 1,821,941; Sept. 8.
Lesot, Louis, Boulogne-sur-Seine, France. Attraction. 1,788,798; Jan. 13.
Les Petits Fils de Francois de Wendel. (See Weber, Guillaume, assignor.)
Lesquendieu, Inc. (See Bell, Hugo L., assignor.)
Lessem, Jacob. (See Feldman, J., and Lessem.)
Lesser, Nathan, and M. Sklovsky, assignors to Deere & Company, Moline, Ill. Molding machine. 1,803,117; Apr. 28.
Lessin, Morris E., assignor to H. Mock, New York, N. Y. Compact case. 1,803,023; Apr. 28.
Lessing, Albin, Brooklyn, N. Y. Picture displaying vanity box. 1,830,665; Nov. 3.
Lessing, Paul. (See Brunton, Walter T., assignor.)
Lestein Corporation of America. (See Levin, Abraham L., assignor.)
Lester, Charles W., Schenectady, N. Y. Locomotive boiler. 1,813,939; July 14.

Lester, Nathan, assignor to P. & R. Tool Company, Inc., Worcester, Mass. Die-casting machine. Re18,014; Mar. 31.
Lester, Thomas H., Highland Park, Ill. Automobile signaling device. 1,819,902; Aug. 18.
Lestner, Samuel B., Brooklyn, N. Y. Ink equalizer for printing presses. 1,802,026; Apr. 21.
Le Sueur, Arthur. (See Ingison, J. W., and Le Sueur.)
Leszkus, Ollie S., Pittsburgh, Pa. Shadowgraphic token. Des. 83,734; Mar. 24.
Le Tang, Leo R., Cincinnati, Ohio. Electrical operating means. 1,814,563; July 14.
Le Tarte, Alexander T., New York, assignor to Crest Manufacturing Co., Incorporated, Long Island City, N. Y. Flush valve guide arm. 1,832,714; Nov. 17.
Lethert, John A., St. Paul, Minn. Nondetachable identification tag. 1,813,060; July 7.
Lethert, John A., St. Paul, Minn. Badge. 1,824,161; Sept. 22.
Le Tourneau, Robert G., Stockton, Calif. Self-adjusting roller. 1,794,696; Mar. 3.
Letsch, Eugene, Lynbrook, N. Y., assignor, by mesne assignments, to Precision Scientific Company. Precision measuring instrument. 1,822,662; Sept. 8.
Lett, John A., Yuma, Colo. End-gate. 1,830,280; Nov. 3.
Leuchs, Otto. (See Dörr, E., Leuchs, and Rosenthal.)
Leufstadius, Carl H., Lysekil, Sweden. Reversing device for internal-combustion engines. 1,790,053; Jan. 27.
Leukhardt, Arthur R., Detroit, Mich., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pneumatic buzzer. 1,837,453; Dec. 22.
Leukhardt, Arthur R., Detroit, Mich., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Vacuum operated horn. 1,837,454; Dec. 22.
Leupen, Petrus E., assignor to Nederlandsche Dok-Maatschappij N. V., Amsterdam, Netherlands. Dock strut or stay. 1,832,782; Nov. 17.
Leuteritz, Ehrhardt. (See Niemann, K., and Leuteritz.)
Leuzinger, Jacob, assignor to A. Welti-Furrer, A.-G., Zurich, Switzerland. Turntable with supporting and guiding roller for two-axle motor-vehicle trailers. 1,801,204; Apr. 14.
Levaggi, Andrew, Bloomington, Ind. Mirror. Des. 83,328; Feb. 17.
Le Valley, John, Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor unloader. 1,796,796; Mar. 17.
Le Valley, John, Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Cooling-water regulator. 1,797,688; Mar. 24.
Le Valley, John, Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Pressure controlled valve. 1,806,301; May 19.
Le Valley, John, Painted Post, N. Y., assignor to Ingersoll Rand Company, Jersey City, N. J. Valve mechanism. 1,831,601; Nov. 10.
Levan, John F., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash ventilator. 1,806,298; May 19.
Levan, John F., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Weather strip. 1,832,225; Nov. 17.
Levar, Sam L. (See Hawthorn, J. B., and Levar.)
Levé, Charles, Cannes, France. Sporting gun. 1,814,937; July 14.
Levedahl, Axel, Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Attachment for drills. 1,831,813; Nov. 17.
Leveen, Harold, Newark, N. J. Indicating device. 1,797,004; Mar. 17.
Levene, Albert H., Newark, N. J. Shelving. 1,805,989; May 19.
Levenson, Nathan, Worcester, Mass. Hose supporter. 1,830,609; Nov. 3.
Leventhal, Jacob F., New York, N. Y., assignor to The First National Bank of Chattanooga, trustee, Chattanooga, Tenn. Optical apparatus. 1,818,410; Aug. 11.
Leventhal, Jacob F., New York, N. Y., assignor to The First National Bank of Chattanooga, Trustee, Chattanooga, Tenn. Optical Compensator. 1,821,349; Sept. 1.
Leventhal, Julius H., Cincinnati, Ohio. Ophthalmic test chart apparatus. 1,828,777; Oct. 27.
Leventhal, Mitchell, Brooklyn, assignor to Sosy, Inc., New York, N. Y. Lock frame or similar article. Des. 83,114; Jan. 20.
Leventhal, Mitchell, Brooklyn, N. Y. Lock frame. Des. 85,702; Dec. 8.
Leventhal, Mitchell, Brooklyn, assignor to Sosy, Inc., New York, N. Y. 1,791,900; Feb. 10.
Leventhal, Mitchell, Brooklyn, assignor to Sosy, Inc., New York, N. Y. Latch or the like. 1,800,690; Apr. 14.
Leventhal, Mitchell, Brooklyn, assignor to Sosy, Inc., New York, N. Y. Key escutcheon. 1,811,141; June 23.
Leventhal, Mitchell, Brooklyn, assignor to Sosy, Inc., New York, N. Y. Lock. 1,813,302; June 7.
Leventry, Roy L., Youngstown, Ohio. Open-hearth furnace. 11,798,611; Mar. 31.
Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Buttonhole-sewing machine. 1,791,966; Feb. 10.
Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,815,307; July 21.

Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Take up mechanism for sewing machines. 1,829,227; Oct. 27.
Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,833,366; Nov. 24.
Leveques, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lockstitch sewing machine. 1,827,321; Oct. 13.
Leverenz, Arthur A. (See Wilkie, W., and Leverenz.)
Leverett, Warner H., and O. L. Harris, Kansas City, Kans. Producing sulphuric acid. 1,832,490; Nov. 17.
Levering, James H., Los Angeles, Calif. Externally-reenforced construction. Re18,104: June 16.
Levett, Alexander, Hendersonville, N. C. Buffer wheel. 1,820,465; Aug. 25.
Levi, Julius, assignor to S. Pass, Chicago, Ill. Furniture cover. 1,825,909; Oct. 6.
Levi, Tullio G., assignor to Società Italiana Pirelli, Milan, Italy. Manufacture of rubber articles from rubber latex. 1,811,695; June 23.
Levick, Verdon O., Toronto, Ontario, assignor to The De Havilland Aircraft of Canada, Limited, Toronto, Canada. Aeroplane "blind flying" instrument board. 1,833,970; Dec. 1.
Levin, Abraham L., New York, N. Y., assignor to Lestein Corporation of America. Radio receiving apparatus. 1,790,313; Jan. 27.
Levin, Ernst I., Stockholm, Sweden. Preparing preservable yeast preparations. 1,801,095; Apr. 14.
Levin, Harold L., Nutley, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Artificially-colored granule. 1,788,625; Jan. 13.
Levin, Harold L., Nutley, N. J., assignor to The Flintkote Company, Boston, Mass. Waterproof board and preparing same. 1,793,810; Feb. 24.
Levin, Harold L., Nutley, N. J., assignor to The Flintkote Company, Boston, Mass. Laminated flooring. 1,828,193; Oct. 20.
Levin, Harold L., Passaic, N. J., assignor, by mesne assignments, to Anaconda Sales Company, New York, N. Y. Roofing material. 1,789,443; Jan. 20.
Levin, Isaac, Brooklyn, N. Y. Garment hanger. 1,803,856; May 5.
Levin, Jacob. (See Root, A. S., and Levin.)
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Crushing apparatus. 1,787,828; Jan. 6.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining machine. 1,792,499; Feb. 17.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal-cutting machine. 1,797,475; Mar. 24.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Rotary engine. 1,805,875; May 19.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining machine. 1,805,876; May 19.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Method and apparatus for mining coal. 1,815,856; July 21.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal mining machine. 1,815,981; July 28.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mine prop. 1,818,633; Aug. 11.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Apparatus for handling coal. 1,821,438; Sept. 1.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal mining method and apparatus. 1,821,439; Sept. 1.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Apparatus for loading coal. 1,821,440; Sept. 1.
Levin, Nils D., assignor to The Jeffery Manufacturing Company, Columbus, Ohio. Gear guard. 1,832,991; Nov. 24.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Car unloader. 1,837,276; Dec. 22.
Levin, Nils D., and E. F. Muller, assignors to The Jeffrey Manufacturing Company, Columbus, Ohio. Bit-forming machine. 1,787,827; Jan. 6.
Levin, Rubie G. (See Schenk, Martin J., assignor.)
Levine, Abraham, Elizabeth, N. J., assignor to Presto Lock Corporation, New York, N. Y. Brief-case lock. Des. 83,115; Jan. 20.
Levine, Abraham, Elizabeth, N. J., assignor to Presto Lock Corporation, New York, N. Y. Combination lock. 1,799,472; Apr. 7.
Levine, Abraham, Elizabeth, N. J., and O. J. Yralinsky, New York, N. Y. Pivotal garment-supporting device. 1,799,521; Apr. 7.
Levine, Alex. (See Roehrich, F. N., and Levine.)
Le Vine, Harry C., Grand Rapids, Mich. Electric toaster. 1,820,885; Aug. 25.
Levine, Harry D., Brooklyn, and A. Radceff, assignors, by mesne assignments, to H. D. Levine, New York, N. Y. Measuring dispenser. 1,788,341: Jan. 6.
Levine, Henry, Philadelphia, Pa. Box or carton. 1,838,997; Dec. 29.
Levine, Max, assignor to Iowa State College of Agriculture and Mechanical Arts, Ames, Iowa. Method of cleaning trickling filters used in purifying industrial wastes and other sewages. 1,802,726; Apr. 28.
Levinsky, Stanley, Naugatuck, Conn. Collar holder. 1,828,421; Oct. 20.
Levinson, Al., et al. (See Stephens, Charles, assignor.)
Levinson, David, assignor to Wilson-Weston Sporting Goods Company, Chicago, Ill. Protective apparatus for athletes. 1,803,335; May 5.
Levinson, Reuben, Goodmayes, Great Britain. Construction of wrist splints. 1,836,476; Dec. 15.
Levinson, Sam, New York, N. Y. Convertible presser foot. 1,794,022; Feb. 24.
Levison, Harry, San Francisco, Calif. Adjustable clamp. 1,814,254; July 14.
Leviton, Isidor, assignor to Leviton Manufacturing Company, Brooklyn, N. Y. Electric-light fixture. 1,790,933; Feb. 3.
Leviton Manufacturing Company. (See Leviton, Isidor, assignor.)
Leviton Manufacturing Company. (See Ratner, Elias, assignor.)
Levitt, Benjamin A., Newark, N. J. Powder puff. 1,815,320; July 21.
Levitt, David D., Rochester, N. Y. Game apparatus. 1,822,946; Sept. 15.
Levitt, John H., G. E. Stringer, Evanston, and E. H. Giellow, Chicago, Ill. Rear-door latch for passenger vehicle bodies. 1,790,104; Jan. 27.
Levitt, Max, Brooklyn, N. Y. Lady's coat. Des. 83,084; Jan. 13.
Levitt, Max, Brooklyn, N. Y. Lady's coat. Des. 83,085; Jan. 13.
Levitt, Max, Brooklyn, N. Y. Lady's coat. Des. 83,203; Feb. 3.
Levitt, Max, Brooklyn, N. Y. Lady's coat. Des. 84,704; July 21.
Levitt, Max, Brooklyn, N. Y. Lady's coat. Des. 84,705; July 21.
Levotch, Joseph, Camden, N. J. Shoe upper and cutting the same. 1,836,926; Dec. 15.
Levy, Abraham. (See Lo Castro, Frank, assignor.)
Levy, Abraham, Brooklyn, N. Y. Banjo clock case or similar article. Des. 82,204; Feb. 3.
Levy, Abraham, Brooklyn, N. Y. Clock case or similar article. Des. 82,999; Jan. 6.
Levy, Abraham, Brooklyn, N. Y. Table lamp or similar article. Des. 83,553; Mar. 3.
Levy, Albert. (See Jasus, John, assignor.)
Levy, Anderson Co. (See Anderson, Maurice, assignor.)
Levy, Arthur S., Birmingham, Ala. Toothbrush holder. 1,823,153; Sept. 15.
Levy, Dudley D., assignor to Dudley Research Corporation, New York, N. Y. Vacuum tank. 1,808,143; June 2.
Levy, Dudley D., assignor to Dudley Research Corporation, New York, N. Y. Dental tool. 1,817,571; Aug. 4.
Levy, Dudley D., assignor to Dudley Research Corporation, New York, N. Y. Identification seal. 1,836,258; Dec. 15.
Levy, Edward J., now by judicial change of name E. L. Mayo, Cleveland Heights, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Heating system and control mechanism therefor. 1,803,024; Apr. 28.
Levy, Edward J., now by judicial change of name E. L. Mayo, assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio. Thermostatic valve. 1,806,072; May 19.
Levy, Edward J., now by judicial change of name E. L. Mayo, assignor to The Bishop & Babcock Mfg. Co., Cleveland, Ohio. Thermostatic valve. 1,822,863; Sept. 8.
Levy, Georges C. (See Flandrin, L., and Levy.)
Levy, Harold, Chicago, Ill. Note holder and dispenser for cash drawers. 1,821,350; Sept. 1.
Levy, Harry, New York, N. Y. Buttonless combination garment. 1,789,077; Jan. 13.
Levy, Harry, and S. Lonschein; said Levy assignor to said Lonschein. Pocket impression seal. 1,794,337; Feb. 24.
Levy, Helen B., and S. Kaminsky, Brooklyn, N. Y. Sanitary toilet seat bowl spray. 1,818,562; Aug. 11.
Levy, Howard S., et al. (See Hays, Howard R., assignor.)
Levy, Joseph, Brooklyn, assignor to Century Lighting Equipment, Inc., New York. Spot and flood light projector. 1,806,906; May 26.
Levy, Lawrence, assignor to L. Ley, New York, N. Y. Gun sight. 1,814,756; July 14.
Levy, Leo, Kaiserslautern, Germany. Toothbrush. 1,828,422; Oct. 20.
Levy, Leonard A., assignor to Mieres, Limited, London, England. Electrode for electric batteries, electrolytic cells, and the like. 1,816,734; July 28.
Levy, Lionel F., et al. (See Hays, Howard R., assignor.)
Levy, Lucien, Paris, France. Current rectifier. 1,799,854; Apr. 7.
Lévy, Manès. (See Balachowsky, D., Claire and Lévy.)
Levy, Marcel. (See Minkoff, G., and Levy.)
Lévy, Marcel, assignor, by mesne assignments, to Prodorite S. A., Geneva, Switzerland. Manufacture of concrete. Re18,180; Sept. 8.
Levy, Marvin B., Lincoln, Nebr. Memo desk machine. 1,793,496; Feb. 24.

Levy, Oscar C., Chicago, C. E. Lomax, Oak Park, and N. H. Saunders, Homewood, assignors to Reserve Holding Company, Chicago, Ill. Multioffice telephone system. 1,798,477; Mar. 31.
Levy, Stanley I., London, England. Treatment of copper rich material. 1,805,100; May 12.
Levy, Sylvan N. (See Kappel, Martin, assignor.)
Lewando, Felix J., South Boston, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,825,910; Oct. 6.
Lewellen, Darcy E. and E. F., Columbus, Ind. Control mechanism for machines. 1,815,155; July 21.
Lewellen, Emmons F. (See Lewellen, Darcy E. and E. F.)
Lewin, Jacob W., Oak Park, Ill. Conduit coupling. 1,800,839; Apr. 14.
Lewin, Jacob W., Oak Park, Ill. Slide connection for couplers. 1,800,840; Apr. 14.
Lewin, Tannie, University City, Mo. Process for the regenerative treatment of electrolytes. 1,800,457; Apr. 14.
Lewis, Alden G. (See Cannard, W. H., and Lewis.)
Lewis, Alexander T., Merion, assignor to York Heating and Ventilating Corporation, Philadelphia, Pa. Heating apparatus. 1,819,608; Aug. 18.
Lewis, Allan W., Vancouver, British Columbia, Canada, assignor to Lewis Ocean Log Rafting Co., Portland, Oreg. Log carrier. 1,837,165; Dec. 15.
Lewis, Alvin, assignor to Embosograf Corporation of America, New York, N. Y. Sign display stand. Des. 85,587; Nov. 17.
Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Automatic chucking machine. 1,796,797; Mar. 17.
Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Chuck. 1,813,705; July 7.
Lewis. Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Chucking machine. 1,829.284; Oct. 27.
Lewis, Benjamin F., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Transmission network. 1,837,327; Dec. 22.
Lewis, Bennett. (See Moore, P. B., and Lewis.)
Lewis, Brayton S., assignor to The Stanley Works, New Britain, Conn. Hinge. 1,788,490; Jan. 13.
Lewis, Charles, New York, N. Y. Comb. 1,829,228; Oct. 27.
Lewis, Charles L., Monrovia, Calif. Display sign. 1,812,209; June 30.
Lewis, Charles S., St. Louis, Mo. Pump-priming mechanism. 1,789.528; Jan. 20.
Lewis, Daniel W., assignor of one-half to A. M. Bowzer, Lynn, Mass. Heel. 1,820,539; Aug. 25.
Lewis, David, assignor to Nat Lewis Wholesale Corporation, New York, N. Y. Lady's hand bag. Des. 83,980; Apr. 21.
Lewis Differential Company. (See Tatter, John W., assignor.)
Lewis, Edward D., assignor of one-half to H. L. Gardner, Elmira, N. Y. Water treating apparatus and method. 1,821.266; Sept. 1.
Lewis, Edward Z., Chicago, Ill., assignor to The General Manifold and Printing Company. Meal check. 1,815.156; July 21.
Lewis, Edwin H., Oak Park, Ill. Ash tray. 1,812,158; June 30.
Lewis, Emanuel J., assignor to Gaw-O'Hara Envelope Company, Chicago, Ill. Envelope. 1,799,428; Apr. 7.
Lewis, Frank E. (See Bouton, E. M., and Lewis.)
Lewis, Frank E., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Express-local elevator control system. 1,793,497; Feb. 24.
Lewis, Frank W. (See Clasen, C. J. W., and Lewis.)
Lewis, Fred H., York, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Antiskid chain. 1,814,716; July 14.
Lewis, Fred H., York, assignor, by mesne assignments, to The McKay Company, Pittsburgh, Pa. Chain fastener. 1,833.165; Nov. 24.
Lewis, Frederick D., Littleborough, Manchester, assignor to Courtaulds Limited, London, England. Manufacture and production of artificial threads, filaments, and the like. 1,835,956; Dec. 8.
Lewis, George, Elizabeth, assignor to Arcturus Radio Tube Company, Newark, N. J. Photolytic cell. Des. 83.260; Feb. 10.
Lewis, George, Elizabeth, assignor to Arcturus Radio Tube Company, Newark, N. J. Vacuum tube. 1,832,909; Nov. 24.
Lewis, George A., Cleveland, Ohio. Fold-type table. 1,804,171; May 5.
Lewis, George C., New Dorp, assignor to Columbian Carbon Company, New York, N. Y. Manufacture of lamp black. 1,801,436; Apr. 21.
Lewis, George C., New Dorp, assignor to Columbian Carbon Company, New York, N. Y. Manufacture of carbon black. 1,810,918; June 23.
Lewis, George C., New Dorp, assignor to Columbian Carbon Company, New York, N. Y. Manufacture of carbon black. 1,811,854; June 30.
Lewis, George C., New Dorp, assignor to Columbian Carbon Company, New York, N. Y. Manufacture of carbon black. 1,811,889; June 30.
Lewis, George C., New Dorp, N. Y., assignor to Columbian Carbon Company, Williamsport, Pa. Apparatus for producing carbon black. 1,838,316; Dec. 29.
Lewis, George H., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Immersing apparatus. 1,790,010; Jan. 27.
Lewis, George K., assignor to Met-L-Wood Corporation, Chicago, Ill. Paneled-wall construction. 1,792,747; Feb. 17.
Lewis, George K., assignor to Met-L-Wood Corporation, Chicago, Ill. Signboard. 1,818,722; Aug. 11.
Lewis, George K., assignor to Met-L-Wood Corporation, Chicago, Ill. Joint for laminated panels. 1,828,285; Oct. 20.
Lewis, George K., assignor to Met-L-Wood Corporation, Chicago, Ill. Counter construction. 1,829,285; Oct. 27.
Lewis, George K., assignor to Met-L-Wood Corporation, Chicago, Ill. Vehicle body construction. 1,829,527; Oct. 27.
Lewis, George S., Oak Park, Ill. Vending machine. 1,802,058; Apr. 21.
Lewis, George W., Berlin, Mass. Foldable ironing table. 1,824,025; Sept. 22.
Lewis, Goodrich Q., Wheaton, assignor to W. H. Miner, Inc., Chicago, Ill. Resilient unit for car trucks. 1,813,706; July 7.
Lewis, Griffith M., Watervliet, assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y. Sewing machine. 1,796,111; Mar. 10.
Lewis, H. J., Oyster Company, The. (See Lewis, Henry L., assignor.)
Lewis, Harlen B., Camp Kilby, Ala. Knotter. 1,829,047; Oct. 27.
Lewis, Harold A., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electric blasting cap and ignition material for the same. 1,797,509; Mar. 24.
Lewis, Harold C., Roslyn, N. Y. Tree-moving machine. 1,795.174; Mar. 3.
Lewis, Harold L., assignor to Hall & Brown Wood Working Machine Company, St. Louis, Mo. Saw. 1,807,120; May 26.
Lewis, Harry B., assignor to Boorum & Pease Company, Brooklyn, N. Y. Loose leaf ring book. 1,827,592; Oct. 13.
Lewis, Harvey, assignor to Nestor Johnson Manufacturing Company, Chicago, Ill. Ice skate. 1,817,156; Aug. 4.
Lewis, Henry L., Stratford, assignor to The H. J. Lewis Oyster Company, Bridgeport, Conn. Oyster dredge. 1,792,592; Feb. 17.
Lewis, Howard B. (See Burns, B., Lewis, and Otis.)
Lewis Invisible Stitch Machine Company. (See Moulton, Harley C., assignor.)
Lewis Invisible Stitch Machine Company. (See Mueller, Charles W., assignor.)
Lewis, Jacob D. (See Lindquist, D. L., and Lewis.)
Lewis, James A., and E. K. Holmes, assignor, by mesne assignments, to Steel and Tubes, Inc., Cleveland, Ohio. Swaging apparatus. 1,816.488; July 28.
Lewis, James C., Los Angeles, Calif. Piston packing ring. 1,822,101; Sept. 8.
Lewis, James O., Tulsa, Okla. Compressor valve. 1,791.363; Feb. 3.
Lewis, James O., Tulsa, Okla. Compressor cylinder. 1.791.364; Feb. 3.
Lewis, James O., and I. L. Dunn, Tulsa, Okla. Fire extinguisher. 1,803.025; Apr. 28.
Lewis, John. (See Kimball, R. E., and Lewis.)
Lewis, John M., Edgewood Borough, Allegheny County, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Helmet. 1,835,883; Dec. 8.
Lewis, John O., Wesleyville, Pa., assignor to General Electric Company. Lubricating device. 1,791,416; Feb. 3.
Lewis, Joseph, Winnipeg, Manitoba, Canada. Lavatory closet. 1,810,280; June 16.
Lewis, Joseph C., assignor to C. W. Keplinger, receiver of the American Electric Switch Corporation, Minerva, Ohio. Entrance switch and service box. 1,808,173; June 2.
Lewis, Joseph C., assignor to C. W. Keplinger, receiver of the American Electric Switch Corporation, Minerva, Ohio. Switch and fuse box. 1,821,224; Sept. 1.
Lewis, Joseph C., assignor to C. W. Keplinger, receiver of the American Electric Switch Corporation, Minerva, Ohio. Switch and fuse box. 1,835,228; Dec. 8.
Lewis, Joseph H. (See Pond, L. N., and Lewis.)
Lewis, Joseph H., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Reenforced glass and making the same. 1,837,455; Dec. 22.
Lewis, Joseph R. (See Ott, C. S., and Lewis.)
Lewis, Julius B., et al. (See Brasty, Joseph, assignor.)
Lewis, Leo L., Plainfield, N. J., and A. C. Buensod, New York, N. Y., assignors, by mesne assignments, to Auditorium Ventilating Corporation, Jersey City, N. J. Ventilating and air conditioning method and system for inclosures. 1,817,384; Aug. 4.
Lewis, Lester L., assignor of two-thirds to Blair Steel Company, New Castle, Pa. Annealing apparatus. 1,835,411; Dec. 8.
Lewis, Lewis C., assignor to M. C. Westfall, Columbus, Ohio. Shock absorber. 1,792,695; Feb. 17.
Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,792,847; Feb. 17.

Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,792,915; Feb. 17.
Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,815,947; July 28.
Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,820,080; Aug. 25.
Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,824,605; Sept. 22.
Lewis, Longworth B., Montross, Va. Glare shield. 1,815,411; July 21.
Lewis, Lyle D., Corwin Center, Pa. Gain making device. 1,804,835; May 12.
Lewis, Manuel E., et al. (See Ott, C. S., and Lewis, assignors.)
Lewis, Maurice, New York, N. Y. Manufacturing hats. 1,798,744; Mar. 31.
Lewis, Morgan J., Massillon, Ohio. Garage door opener. 1,802,027; Apr. 21.
Lewis, Nat, Wholesale Corporation. (See Lewis, David, assignor.)
Lewis, Nathan E. (See Jacobus, D. S., and Lewis.)
Lewis, Nathan E., Plainfield, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Furnace. 1,794,781; Mar. 3.
Lewis Ocean Log Rafting Co. (See Lewis, Allan W., assignor.)
Lewis, Otto L. (See Cole, C. B., and Lewis.)
Lewis, Richmond. (See Caron, Fred M., assignor.)
Lewis, Robert B., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Gear-shift mechanism. 1,794,187; Feb. 24.
Lewis, Samuel H., Richmond, Va. Fluid pressure operated valve gear shifting mechanism. 1,811,434; June 23.
Lewis-Shepard Company. (See Hennessy, Daniel F., assignor.)
Lewis-Shepard Company. (See Shepard, F. J., jr., and Warshaw, assignors.)
Lewis-Shepard Company. (See Warshaw, Nathaniel, assignor.)
Lewis, Thomas, assignor to Scranton Silk Machine Company, Scranton, Pa. Textile machine. 1,799,915; Apr. 7.
Lewis, Thomas P. (See Buck, N. E., Warner, and Lewis.)
Lewis & Tylor, Limited. (See Alexander, Frederick W., assignor.)
Lewis, Varnum S. (See Watson, J. E., and Lewis.)
Lewis, Walter C., and H. T. Powers, Corpus Christi, Tex. Automobile boat. 1,804,262; May 5.
Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Method and apparatus for distillation control. 1,789,339; Jan. 20.
Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Operating oil and gas wells under reduced pressure. 1,812,267; June 30.
Lewis, Wilbur S., Lakewood, Ohio, assignor to The Nestle-Le Mur Company, Cleveland, Ohio. Waving hair. 1,812,442; June 30.
Lewis, Wilbur S., assignor to The Nestle-Le Mur Company, Cleveland, Ohio. Hair waving heater. 1,829,362; Oct. 27.
Lewis, William E., West Mystic, Conn. Nautical instrument. 1,808,359; June 2.
Lewis, William L., and F. H. Rohr, assignors to Solar Aircraft Company, San Diego, Calif. Airplane wing covering. 1,835,312; Dec. 8.
Lewis, William M., Beaver Township, Iowa. Cultivator. 1,836,762; Dec. 15.
Lewis, William T., Racine, Wis. Radio apparatus. 1,836,260; Dec. 15.
Lewisohn, Hermann. (See Müeller, Hermann, assignor.)
Lexa, George J., and R. Ljungkull, Wauwatosa, assignors to Harnischfeger Corporation, Milwaukee, Wis. Electric motor driven excavating machinery. 1,809,981; June 16.
Ley, Emil., Muttenz, near Basel, Switzerland. Grinding machine. 1,827,688; Oct. 13.
Ley, Lawrence. (See Levy, Lawrence, assignor.)
Leydens, Pieter. (See Gooskens, H., and Leydens.)
Leyes, Louis, City Island, N. Y. Work holding clamp. 1,820,667; Aug. 25.
Leyh, Ernst, Essen, Germany, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,802,518; Apr. 28.
Leyst-Küchenmeister, Carl, Berlin-Schlachtensee, Germany. Treating fibrous materials. 1,827,710; Oct. 13.
Lezzo, Arthur V. (See Hack, Ernest B., assignor.)
L'Helice Metallique, Brevets Paulhan-Pillard, Societe Anonyme. (See Pillard, Marcel, assignor.)
L'Heritier, Maurice, Paris, France. Moving side-walk. 1,793,498; Feb. 24.
L'Hollier, Leslie H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Overshoe and making the same. 1,825,276; Sept. 29.
L'Hommedieu, Paige B., assignor to Johnson & Johnson, New Brunswick, N. J. Budding and grafting plaster. 1,824,674; Sept. 22.
Liachovetzky, Grigory I. (See Tschuwikowsky, S. I., and Liachovetzky.)
Liamin, Dimitri, Los Angeles, Calif. Metal boat construction. 1,805,669; May 19.
Liaset, George P., Seattle, Wash. Thermostatic valve. 1,820,145; Aug. 25.
Libbey-Owens-Ford Glass Company. (See Adams, Daniel, assignor.)
Libbey-Owens-Ford Glass Company. (See Allen, Horace E., assignor.)
Libbey-Owens-Ford Glass Company. (See Belden, Clyde W., assignor.)
Libbey-Owens-Ford Glass Company. (See Blair, James C., assignor.)
Libbey-Owens-Ford Glass Company. (See Brown, Wilbur F., assignor.)
Libbey-Owens-Ford Glass Company. (See Callard, R. P., and Moller, assignors.)
Libbey-Owens-Ford Glass Company. (See Cone, Carroll, assignor.)
Libbey-Owens-Ford Glass Company. (See Cone, C., and Rosin, assignors.)
Libbey-Owens-Ford Glass Company. (See Cripe, Samuel C., assignor.)
Libbey-Owens-Ford Glass Company. (See Crowley, Joseph P., assignor.)
Libbey-Owens-Ford Glass Company. (See Drake, John L., assignor.)
Libbey-Owens-Ford Glass Company. (See Drake, J. L., and Fraser, assignors.)
Libbey-Owens-Ford Glass Company. (See Drake, J. L., and Mambourg, assignors.)
Libbey-Owens-Ford Glass Company. (See Drake, J. L., and Nobbe, assignors.)
Libbey-Owens-Ford Glass Company. (See Drake, J. L., and Rosin, assignors.)
Libbey-Owens-Ford Glass Company. (See Ferngren, Enoch T., assignor.)
Libbey-Owens-Ford Glass Company. (See Fraser, Frank, assignor.)
Libbey-Owens-Ford Glass Company. (See French, Wert, assignor.)
Libbey-Owens-Ford Glass Company. (See Gipe, John C., assignor.)
Libbey-Owens-Ford Glass Company. (See Gray, W., and Brown, assignors.)
Libbey-Owens Ford Glass Company. (See Kupferschmid, Karl, assignor.)
Libbey-Owens-Ford Glass Company. (See Landolt, John E., assignor.)
Libbey-Owens-Ford Glass Company. (See Mambourg, Leopold, assignor.)
Libbey-Owens-Ford Glass Company. (See Mambourg, Luke C., assignor.)
Libbey-Owens-Ford Glass Company. (See Mambourg, Nestor, assignor.)
Libbey-Owens-Ford Glass Company. (See McDaniel, Willard C., assignor.)
Libbey-Owens-Ford Glass Company. (See Neenan, Joseph M., assignor.)
Libbey-Owens-Ford Glass Company. (See Nobbe, William E., assignor.)
Libbey-Owens-Ford Glass Company. (See Pedersen, Ingvald O., assignor.)
Libbey-Owens-Ford Glass Company. (See Pedersen, I. O., and Stahle, assignors.)
Libbey-Owens-Ford Glass Company. (See Platt, Archie W., assignor.)
Libbey-Owens-Ford Glass Company. (See Randall, James W. H., assignor.)
Libbey-Owens-Ford Glass Company. (See Reece, Joseph A., assignor.)
Libbey-Owens-Ford Glass Company. (See Reece, J. A., and Nobbe, assignors.)
Libbey-Owens-Ford Glass Company. (See Thomas, Herbert, assignor.)
Libbey-Owens-Ford Glass Company. (See Trinks, Willibald, assignor.)
Libbey-Owens-Ford Glass Company. (See Trinks, W., and Kelle-, assignors.)
Libbey-Owens-Ford Glass Company. (See Watkins, George B., assignor.)
Libbey-Owens-Ford Glass Company. (See Wildermuth, William, assignor.)
Libbey-Owens-Ford Glass Company. (See Zellers, James T., assignor.)
Libby, Albert, Winslow, Me. Window screen. 1,794,235; Feb. 24.
Libby, Charles R., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch carrier. 1,831,252; Nov. 10.
Libby, Fred. (See Troy, M. J., and Libby.)
Libera, Harry L., Winona, Minn. Basket. 1,788,724; Jan. 13.
Liberge, André H. E., Etretat, France. Automatic lifting device. 1,794,306; Feb. 24.
Liberman, Alexander I., Paris, France. Photographic camera. 1,808,669; June 2.
Liberty Amusement Company. (See Uphoff, L. P., and Sims, assignors.)
Liberty Burner Corporation. (See Schneider, Alfred, assignor.)
Liberty Electric Company. (See Wilmanns, Christopher, assignor.)
Liberty Folder Company, The. (See Mogaard, Richard P., assignor.)
Liberty Foundries Company. (See Bates, Albert H., assignor.)

Liberty, Harry L., Chicago, Ill. Universal connector and support. 1,801,632; Apr. 21.
Liberty Mirror Works. (See Colbert, George F. and W. H., assignors.)
Libold, Stanley A., Duluth, Minn. Candlestick or article of analogous nature. Des. 84,946; Aug. 25.
Lichten, Arthur S., A. Koufman, and W. Shulik, Philadelphia, Pa. Closure fastener. 1,795,496; Mar. 10.
Lichtenberg, Erich H., Milwaukee, assignor to Koehring Company, Milwaukee, Wis. Aggregate weighing and mixing machine. 1,798,424; Mar. 31.
Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Skip hoisting mechanism for concrete mixers. 1,814,564; July 14.
Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Dipper stick. 1,824,606; Sept. 22.
Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Automatic skip control mechanism. 1,824,607; Sept. 22.
Lichtenberger, Jean, Mulhouse, France. Decolorizing acetone and methylene oils. 1,801,965; Apr. 21.
Lichtenberger, Theodor, and L. Kaiser, Heilbronn, Germany. Manufacturing chlorides of the alkaline earth metals from the sulphates of the alkaline earth metals. 1,798,091; Mar. 24.
Lichtenberger, Theodor, and L. Kaiser, Heilbronn-on-the-Neckar, Germany. Manufacturing pure, white and finely distributed sulphate of barium and sulphate of calcium. 1,822,815; Sept. 8.
Lichtenthaeler, Frank E., Newton Highlands, Mass. Making esters of the fatty acids. 1,805,775; May 19.
Lichtenthaeler, Frank E., Newton Highlands, Mass. Concentrating aqueous solutions of volatile substances. 1,817,993; Aug. 11.
Lichtenthaeler, Frank E., Newton Highlands, Mass. Heating system for liquids. 1,819,517; Aug. 18.
Lichtenthaler, Karl, Staunton, Ill. Extensible hay rack. 1,803,264; Apr. 28.
Lichtig, Abraham J., Oakland, Calif. Clothes bag. 1,805,877; May 19.
Lichtig, B., & Son, Inc. (See Wilson, Lorne M., assignor.)
Lichtman, Louis, assignor to Chromeplate, Inc., New York, N. Y. Hanger for articles to be plated. 1,827,478; Oct. 13.
Lichty, Luther D., Reading, Pa. Furniture seat. 1,836,673; Dec. 15.
Lidberg, Tiodolf, Chicago, Ill., assignor to Chicago Surgical & Electrical Co. Thermostatic temperature control. 1,803,629; May 5.
Liddell, John G., Everett, Mass. Fountain pen. 1,809,416; June 9.
Liddell, Robert P. F., New York, N. Y., assignor to Motor Improvements, Inc., Newark, N. J. Lubricator. 1,838,100; Dec. 29.
Lidderdale, Arthur E., Casper, Wyo., assignor to Spang and Company, Butler, Pa. Fishing tool. 1,793,105; Feb. 17.
Lidderdale, Arthur E., Casper, Wyo., assignor to Spang and Company, Butler, Pa. Fishing tool. 1,835,067; Dec. 8.
Liddiard, Hugh W. C., Rugby, England, assignor to General Electric Company. System of electric control. 1,815,857; July 21.
Lide, Martin J., Birmingham, Ala. Concentrating table. 1,799,694; Apr. 7.
Lide, Martin J., Birmingham, Ala. Dry separator. 1,813,303; June 7.
Lidgerwood Pacific Company. (See Dickinson, Merian H., assignor.)
Lidke, William F., Omaha, Nebr., assignor, by mesne assignments, of one-half to The Electric Storage Battery Company, Philadelphia, Pa. Battery lifter. 1,822,102; Sept. 8.
Lie, Egil. (See Ullmann, F., Breslauer, and Lie.)
Liebau, Richard, Pittsburgh, Pa., assignor to The Republic Rubber Company, Youngstown, Ohio. Making solid tires. 1,806,857; May 26.
Liebeck, Harry, Swarthmore, Pa., assignor to Scott Paper Company. Disintegrating pulp stock. 1,815,308; July 21.
Liebel-Flarsheim Company, The. (See Bovie, William T., assignor.)
Liebel-Flarsheim Company, The. (See Flarsheim, Edwin S., assignor.)
Liebel-Flarsheim Company, The. (See Liebel, J. G. H., and Flarsheim, assignors.)
Liebel, John G. H., and E. S. Flarsheim, assignors to The Liebel-Flarsheim Company, Cincinnati, Ohio. Arc lamp hood. Des. 85,533; Nov. 10.
Liebel, John G. H., and E. S. Flarsheim, assignors to The Liebel-Flarsheim Company, Cincinnati, Ohio. Portable cabinet pedestal for lamp stands. Des. 85,588; Nov. 17.
Lieber, Hugo, assignor to Sonotone Corporation, New York, N. Y. Earphone transmitter. 1,811,638; June 23.
Lieber, Hugo, assignor to Sonotone Corporation, New York, N. Y. Earphone. 1,811,639; June 23.
Lieber, James H., St. Louis, Mo. Stove. 1,830,843; Nov. 10.
Liebergeld, Alfred, Laufamholz, near Nuremberg, assignor to F. Singer, Nuremberg, Germany. Extrusion press. 1,836,763; Dec. 15.
Lieberknecht, Paul, assignor of one-half to Maschinen-Fabrik Einsiedel Gesellschaft mit beschrankter Haftung, Einsiedel, near Chemnitz, Germany. Cam-shaft control for straight-bar knitting machines. 1,799,429; Apr. 7.
Lieberknecht, Paul, assignor of one-half to Maschinenfabrik-Einsiedel Gesellschaft mit beschrankter Haftung, Einsiedel, Chemnitz, Germany. Lever shaft driving device of flat-full fashioned machines. 1,822,597; Sept. 8.
Lieberknecht, Paul, assignor of one-half to Maschinen-Fabrik Einsiedel Gesellschaft mit beschrankter Haftung, Einsiedel, near Chemnitz, Germany. Producing fashioned goods on straight bar knitting machines. 1,828,935; Oct. 27.
Lieberman, Joseph A., Philadelphia, Pa. Service breeches. 1,838,022; Dec. 22.
Lieberman, Michael, New York, N. Y. Smoke-reducing device for furnaces. 1,792,500; Feb. 17.
Lieberthal, Robert H., Bridgeport, Conn. Collapsible tube. 1,794,023; Feb. 24.
Lieberum, George W. (See Van Amburg, O. H., and Lieberum.)
Liebeskind, Bernhard, Berlin-Lichterfelde, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Packing photographic plates. 1,820,146; Aug. 25.
Liebetruth, A., & Co. G. m. b. H. (See Liebetruth, Hugo, assignor.)
Liebetruth, Hugo, assignor to the firm A. Liebetruth & Co. G. m. b. H., Nuremberg, Germany. Sheet-metal paint box. 1,792,433; Feb. 10.
Liebetruth, Hugo, assignor to A. Liebetruth & Co. G. m. b. H., Nuremberg, Germany. Drawing slate. 1,825,532; Sept. 29.
Liebherr, Otto, Weingarten, Germany. Vaporizer for internal-combustion engines. 1,801,096; Apr. 14.
Liebknecht, Otto, Berlin–Grunewald, Germany. Adsorbent agent and making the same. 1,831,673; Nov. 10.
Lieblein, Chaim, New York, N. Y. Collapsible delivery wagon. 1,820,466; Aug. 25.
Liebowitz, Benjamin. (See Boas, E. P., and Liebowitz.)
Liebreich, Oscar P., Jackson Heights, N. Y. Loud speaker cabinet. 1,810,568; June 16.
Liechty, Brigham J., Springville, Utah. Poultry drinking fountain. 1,816,684; July 28.
Liedberg, Carl E., Chicago, Ill. Sanding device for automobiles. 1,833,084; Nov. 24.
Lien, Jonas, Port Washington, N. Y. Self-cleaning, nonclogging, traveling grizzly. 1,791,365; Feb. 3.
Lien, Jonas, Port Washington, N. Y. Self-cleaning, nonclogging traveling grizzly. 1,822,739; Sept. 8.
Lien, Syver. (See Moen, A. B., and Lien.)
Lienhardt, Winfield S., Stapleton, N. Y. Making stannic chloride. 1,826,800; Oct. 13.
Lienhart, Anthony, Stockbridge, Mich. Agricultural machine. 1,788,165; Jan. 6.
Lienzén, David L. (See Nilson, C. E. J., and Lienzén.)
Lienzén, David L., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Selector contact bank. 1,789,147; Jan. 13.
Lienzén, David L., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Selector. 1,825,911; Oct. 6.
Lierman, Otto J., assignor of one-half to C. J. Schlag, San Francisco, Calif. Sterilizer for barbers' tools. 1,827,479; Oct. 13.
Liesegang, Wilhelm. (See Büchting, M. U., Grüss, and Liesegang.)
Lietz, Adolph, San Francisco, Calif. Transparent mariner's compass. 1,828,194; Oct. 20.
Lietz, John F., Buffalo, N. Y. Roof construction. Re17,957; Feb. 10.
Lietz, John H., Mosinee, Wis. Pot for plants. 1,801,930; Apr. 21.
Lifschultz, Louis S., Michell, S. Dak. Display rack. 1,815,858; July 21.
Lifschutz, Henry, Brooklyn, N. Y. Shoe. 1,795,222; Mar. 3.
Lifur, Gregory H., Los Angeles, Calif. Cooling tower. 1,839,104; Dec. 29.
Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Portable conveyor. 1,808,237; June 2.
Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Loading machine. 1,808,421; June 2.
Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Tractor. 1,815,674; July 21.
Light, Clare K., Oswego, N. Y., assignor, by mesne assignments, to The Diamond Match Company. Making matches. 1,805,827; May 19.
Light, Ralph A., Cynwyd, and J. W. Price, jr., assignors to The United States Metallic Packing Company, Philadelphia, Pa. Sanding apparatus for locomotives. 1,800,548; Apr. 14.
Light, Ralph A., Cynwyd, and J. W. Price, jr., assignors to The United States Metallic Packing Company, Philadelphia, Pa. Automatic air distributing valve for sander systems. 1,836,177; Dec. 15.
Light Sidney D., Detroit, Mich. Loose leaf supporting arrangement. 1,836,979; Dec. 15.

Lighthipe, Kenneth D., Palisade Park, assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Floor-indicator dial for elevators and the like. Des. 83,455; Feb. 24.
Lighthipe, Kenneth D., Palisade Park, assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Casing for an elevator signal or similar article. Des. 83,456; Feb. 24.
Lighthipe, Kenneth D., Palisade Park, assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Casing for an elevator signal or similar article. Des. 83,457; Feb. 24.
Lighthipe, Kenneth D., Palisade Park, assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Casing for an elevator signal or similar article. Des. 83,458; Feb. 24.
Lighthipe, Kenneth D., Palisade Park, assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Casing for an elevator signal or similar article. Des. 83,735; Mar. 24.
Lighthipe, Kenneth D., Palisades Park, assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Casing for an elevator signal or similar article. Des. 83,820; Mar. 31.
Lighting Appliance Company. (See Blumenthal, Julius J., assignor.)
Lighting Appliance Company. (See Roettges, Frederick W., assignor.)
Lighting Appliance Company. (See Villaret, Gustave E., assignor.)
Lighty, David A., Edgewood, Iowa. Coin holder for mail boxes. 1,803,715; May 5.
Liginski, Jacob, Whippany, N. J. Animal releasing and frightening means. 1,817,415; Aug. 4.
Liginski, Jacob, Montville, N. J. Figure toy. 1,830,435; Nov. 3.
Liginski, Jacob, Montville, N. J. Toy. 1,836,855; Dec. 15.
Lignes Telegraphiques & Telephoniques. (See Leduc, Marcel, assignor.)
Ligno-Cellulose Corporation. (See Wolf, Robert B., assignor.)
Ligno-Cellulose Corporation. (See Wolf, R. B., Hill, and Hatch, assignors.)
Liimatta, Emel, Frederick, S. Dak. Steerer for tractors. 1,830,552; Nov. 3.
Lile, Adiel O., Corbin, and T. A. Crane, Caldwell, Kans. Snowplow. 1,788,879; Jan. 13.
Lile, Clarence, Granite City, Ill. Bottle-cap remover. Des. 83,821; Mar. 31.
Lilge, Louis E., Valleyford, Wash. Range. 1,834,916; Dec. 1.
Lilienfeld, Leon. (See Jahoda, R., and Lilienfeld.)
Lilienfeld, Leon, Vienna, Austria. Artificial thread and making same. Re18,170; Aug. 25.
Lilienfeld, Leon, Vienna, Austria. Preparing viscose from cellulose. 1,790,990; Feb. 3.
Lilienfeld, Leon, Vienna, Austria. Improving vegetable textile material. 1,800,944; Apr. 14.
Lilienfeld, Leon, Vienna, Austria. Cellulose conversion products and process of making. 1,804,354; May 5.
Lilienfeld, Leon, Vienna, Austria. Artificial material and making same. 1,820,811; Aug. 25.
Lilienfeld, Leon, Vienna, Austria. Treatment of fibrous material. 1,829,904; Nov. 3.
Lilienfeld, Leon, Vienna, Austria. Treatment of fibrous material. 1,829,905; Nov. 3.
Lilienfeld, Leon, Vienna, Austria. Treatment of fibrous material. 1,829,906; Nov. 3.
Lilienfeld, Leon, Vienna, Austria. Improving vegetable textile material. 1,831,745; Nov. 10.
Lilienfield Bros. & Company. (See Lilienfeld, Walter E., assignor.)
Lilienfield, Walter E., Highland Park, assignor to Lilienfield Bros. & Company, Chicago, Ill. Curing tobacco. Re18,256; Nov. 24.
Lilienfield, Walter E., assignor to Lilienfield Bros. & Company, Chicago, Ill. Cigar container. 1,791,417; Feb. 3.
Lilja, Edgar D. (See Stewart, D. J., and Lilja.)
Liljeberg, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Feed mechanism for punch presses. 1,834,216; Dec. 1.
Liljenroth, Frans G., Stockholm, Sweden. Absorption refrigerating apparatus. 1,788,114; Jan. 6.
Liljenroth, Frans G., Stockholm, Sweden, assignor to Kunstdunger-Patent-Verwertungs-Aktiengesellschaft, Glarus, Switzerland. Producing a mixture of calcium nitrate and ammonium nitrate. 1,802,347; Apr. 28.
Liljenroth, Frans G., Stocksund, Sweden, assignor, by mesne assignments, to Du Pont Ammonia Corporation, Wilmington, Del. Producing hydrogen and phosphoric acid. 1,807,790; June 2.
Lill, Friedrich, Vienna, Austria, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Circuit arrangement for preselectors. 1,837,456; Dec. 22.
Lillard, Dorsey L., and W. R. McDaniel, Englewood, Tenn. Starting motor for internal combustion engines. 1,837,974; Dec. 22.
Lillard, Gwyn L., Memphis, Tenn., assignor to Harnischfeger Corporation, Milwaukee, Wis. Mud sled. 1,826,620; Oct. 6.
Lillegraven, Jens, Kennecott, Territory of Alaska. Fishing tackle. 1,797,005; Mar. 17.
Lilley Company, The. (See Earnshaw, Howard W., assignor.)
Lilley, Daniel G., Denver, Colo. Propeller hub. 1,801,511; Apr. 21.
Lillibridge, Duane M., St. Charles, Ill. Hammock or glider-seat frame. 1,798,546; Mar. 31.
Lillibridge, Duane M., St. Charles, Ill. Glider. 1,837,911; Dec. 22.
Lillibridge, Hoxsie W., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Coil winding machine. 1,812,349; June 30.
Lillie, Raymond W. (See Littleton, J. R., jr., and Lillie.)
Lilliendahl, William C. (See Driggs, F. H., and Lilliendahl.)
Lillig, Nicholas R., assignor to Tice Lock-Washer Manufacturing Co., Portland, Oreg. Lock washer. 1,821,312; Sept. 1.
Lillig, Nicholas R., assignor to Tice Lock-Washer Manufacturing Co., Portland, Oreg. Lock washer. 1,834,247; Dec. 1.
Lilly, Eli, and Company. (See Manske, Richard H. F., assignor.)
Lilly, Eli, and Company. (See Shonle, Horace A., assignor.)
Lilly, Eli, and Company. (See Walden, George B., assignor.)
Lilly, Scott H., Toledo, Ohio, assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Yieldable propeller. 1,789,874; Jan. 20.
Lilly, Thomas F., Memphis, Tenn. Fluid actuated clutch and transmission mechanism. 1,834,626; Dec. 1.
Lily-Tulip Cup Corporation. (See Davis, Harry G., assignor.)
Lily-Tulip Cup Corporation. (See Smith, Charles F., assignor.)
Limoges China Company, The, et al. (See Smith, Charles O., assignor.)
Limpert, Archie, Hicksville, Ohio. Instrument for aligning automobile wheels. 1,810,429; June 16.
Linabury, John E., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Preparing metal for casting. 1,835,791; Dec. 8.
Linaker, Frederick W., Dubois, Pa. Soot cleaner for boilers. 1,802,821; Apr. 28.
Linckh, Eduard, and H. Haeuber, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Removal of acetylene from gases. 1,836,927; Dec. 15.
Lincoln, Abe, Electra, Tex. Oil and gas separator. 1,835,957; Dec. 8.
Lincoln County Logging Company. (See Dixon, William A., assignor.)
Lincoln Electric Company, The. (See Lincoln, James F., assignor.)
Lincoln Electric Company, The. (See Lincoln, J. F., and Peck, assignors.)
Lincoln Electric Company, The. (See Windle, Edward H., assignor.)
Lincoln Engineering Company. (See Linders, William Z., assignor.)
Lincoln, James F., East Cleveland, assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc-welding. Re18,221; Oct. 6.
Lincoln, James F., East Cleveland, assignor to The Lincoln Electric Company, Cleveland, Ohio. Dynamo-electric machine. 1,819,182; Aug. 18.
Lincoln, James F., assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc-welding. 1,826,355; Oct. 6.
Lincoln, James F., East Cleveland, and C. C. Peck, assignors to The Lincoln Electric Company, Cleveland, Ohio. Arc welding. 1,827,245; Oct. 13.
Lincoln Manufacturing Company. (See McFadden, Glenn E., assignor.)
Lincoln Meter Company. (See Johnson, Lewis D., assignor.)
Lincoln Meter Company, The. (See Paine, Louis A., assignor.)
Lincoln, Robert A., Pampa, Tex. Stopcock. 1,790,384; Jan. 27.
Lincoln, Robert A., Pampa, Tex., assignor of one-half to American Iron & Machine Works, Inc., Oklahoma City, Okla. Inside casing or tool joint cutter. 1,814,048; July 14.
Lincoln, Robert A., assignor of one-half to American Iron & Machine Works, Inc., Tonkawa, Okla. Weight indicator. 1,822,628; Sept. 8.
Lind, Carl A., Marathon, Iowa. Box cover fastener. 1,829,598; Oct. 27.
Lind, Edward. (See Abeles, J. S., and Lind.)
Lind, Edward, Brooklyn, and D. Feigenbaum, Jamaica, N. Y. Collar. 1,813,304; July 7.
Lind, John H., Santa Barbara, Mexico. Safety razor. 1,831,017; Nov. 10.
Lindaas, Henry O., Tacoma, Wash. Coupling device. 1,829,959; Nov. 3.
Lindahl, Anders. (See Luttropp, Conrad, assignor.)
Lindberg, Bernhard, assignor, by mesne assignments, to Harry Koplin, Chicago, Ill. Water heater and mixer. 1,801,513; Apr. 21.
Lindberg, Ernest O., Jamaica, assignor to The Kny-Scheerer Corporation of America, New York, N. Y. Recessed sterilizer and panel. 1,795,784; Mar. 10.
Lindblad, Axel R., Djursholm, Sweden. Treating arsenious ore. 1,822,103; Sept. 8.

Lindblad, Hardy, Frederic, Wis. Drill chuck. 1,804,506; May 12.
Lindbladh Corporation, The. (See Lindbladh, Harmon E., assignor.)
Lindbladh, Harmon E., Brookline, Mass., assignor to The Lindbladh Corporation. Ruling machine. 1,813,940; July 14.
Lindblom, Erik D. (See Sundberg, K., and Lindblom.)
Lindbloom, Charles V., Cranford, N. J., assignor, by mesne assignments, to Hi-Heat Gas Co. Inc., New York, N. Y. Valve for gas burners. 1,804,473; May 12.
Lindburg, Joseph, Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,801,354; Apr. 21.
Linde Air Products Company, The. (See Carter, G. O., Aitchison, and Wall, assignors.)
Linde Air Products Company, The. (See Miller, Samuel W., assignor.)
Linde, Gustave F., assignor to Scanlan-Morris Company, Madison, Wis. Water ejector. 1,800,302; Apr. 14.
Linde, Richard, Munich, Germany. Producing mixtures of hydrogen and nitrogen. 1,830,610; Nov. 3.
Linde, Richard, assignor to Gesellschaft Fur Linde's Eismaschinen A. G., Hollriegelskreuth, Germany. Fractionation of coke oven gas. 1,821,170; Sept. 1.
Lindegren, Carl J. (See Bergstrom, C. P., and Lindegren.)
Lindegren, Carl J. (See Foisy, V. A., and Lindegren.)
Lindegren, Carl J., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picker spindle mounting for loom. 1,807,743; June 2.
Lindegren, Carl J., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Drop shuttle box and connecter therefor. 1,811,435; June 23.
Lindegren, Carl J., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle box for drop box looms. 1,826,317; Oct. 6.
Lindell, Torsten. (See Nygard, R., Finnila, and Lindell.)
Lindelof, Hans, De Kalb, Ill. Washtub stand. 1,801,512; Apr. 21.
Lindelov, Johannes A., New York, N. Y., Occlusion surveying machine. 1,831,390; Nov. 10.
Lindeman, Edward H. (See Veale, G. W., and Lindeman.)
Lindeman, James E., assignor to W. H. Miner, Inc., Chicago, Ill. Door construction for railway cars. 1,806,401; May 19.
Lindemann, A. J., & Hoverson Company. (See Lindemann, Walter C., assignor.)
Lindemann, A. J., & Hoverson Company. (See Lindemann, W. C., and Rutenber, assignors.)
Lindemann, A. J., & Hoverson Company. (See Rutenber, Edwin A., assignor.)
Lindemann, A. J., & Hoverson Company. (See Schmidt, Adolph T., assignor.)
Lindemann, Frederick W., St. Paul, Minn. Valve. 1,792,849; Feb. 17.
Lindemann, Hans W. (See Delling, P. R., and Lindemann.)
Lindemann, Waldemar, Dusseldorf, Germany. Bundling press. 1,812,797; June 30.
Lindemann, Walter C., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Vapor stove. 1,818,723; Aug. 11.
Lindemann, Walter C., and E. A. Rutenber, assignors to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Thermostatic device. 1,818,563; Aug. 11.
Lindemon, William H. (See Cuthbert, W. R., and Lindemon.)
Lindemuth, Francis L., Pueblo, assignor to The Colorado Fuel and Iron Company, Denver, Colo. Fence post. 1,783,106; Feb. 17.
Lindemuth, Lewis B., New York, N. Y. Reclaiming stainless steel scrap. 1,825,463; Sept. 29.
Lindemuth, Lewis B., New York, N. Y. Centrifugal casting. 1,831,310; Nov. 10.
Linden, John M. (See Shank, A. E., Fisler, and Linden.)
Lindenblad, Nils E., Long Island, N. Y., assignor to Radio Corporation of America. Iron-core static-frequency changer. 1,787,948; Jan. 6.
Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Magnetic modulator. 1,794,717; Mar. 3.
Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna. 1,821,386; Sept. 1.
Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna. 1,821,387; Sept. 1.
Lindenblad, Nils E., Rocky Point, L. I., N. Y., assignor to Radio Corporation of America. Automatic field control. 1,830,170; Nov. 3.
Linder, Andrew J., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Saddle. 1,837,781; Dec. 22.
Linder, John, Spokane, Wash. Foot accelerator. 1,795,725; Mar. 10.
Linder, John U., Gilroy, Calif. Casement window lock. 1,833,254; Nov. 24.
Linder, Willis W., Salisbury, assignor to The Terrell Machine Company, Charlotte, N. C. Bobbin stripping machine. 1,805,452; May 12.
Linderman, Stuart H., Nutley, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriter backing sheet. 1,827,992; Oct. 20.
Linderman, Zilpha, Sebastopol, Calif. Pencil holder. 1,806,476; May 19.
Lindermann, Willy, Hamburg, Germany. Device for breakage proof packing of glass and other very fragile articles. 1,827,322; Oct. 13.
Linders, Harry P., assignor to Wagner Electric Corporation, St. Louis, Mo. Dynamo electric machine. 1,816,859; Aug. 4.
Linders, Ralph F., Baldwin, Ill. Grain feeder. 1,810,773; June 16.
Linders, William Z., Normandy, assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 1,812,798; June 30.
Lindfelt, Edward C., Des Moines, Iowa. Handball glove. 1,815,412; July 21.
Lindgard, Leslie E., Seattle, Wash. Manikin toy. 1,834,165; Dec. 1.
Lindgren, Alexus C., Chicago, Ill., assignor to International Harvester Company. Tractor-harrow hitch. 1,790,061; Jan. 27.
Lindgren, Alexus C., Chicago, and A. D. Gallagher, Canton, Ill., assignors to International Harvester Company. Tractor plow. 1,817,085; Aug. 4.
Lindgren, Alexus C., Chicago, Ill., and J. L. Hipple, Canton, Ill., assignors to International Harvester Company. Tractor implement. 1,819,684; Aug. 18.
Lindgren, Carl W., Los Angeles, Calif. Clothes hanger. 1,820,468; Aug. 25.
Lindgren, Frank A., Western Springs, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,802,084; Apr. 21.
Lindgren, Hans O., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Liquid cooler. 1,822,534; Sept. 8.
Lindgren, Hans O., Appelviken, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Separating rubber latex. 1,831,500; Nov. 10.
Lindgren, Henry W., Waukegan, Ill., assignor to American Can Company, New York, N. Y. Runway switch and control therefor. 1,806,879; May 26.
Lindgren, John M., San Pedro, Calif. Packing for connecting rods, pump shafts, and the like. 1,831,674; Nov. 10.
Lindgren, Maurice E. (See Van Kessel, G. C., and Lindgren.)
Lindgren, Waldemar L., Waukegan, Ill. Dish washing machine. 1,831,775; Nov. 10.
Lindgren, Waldemar L., Waukegan, assignor of one-half to J. E. Ericsson, Chicago, Ill. Dish-washing machine. 1,798,425; Mar. 31.
Lindgren, Waldemar L., Waukegan, assignor of one-half to J. E. Ericsson, Chicago, Ill. Dish-washing machine. 1,798,426; Mar. 31.
Lindgren, Waldemar L., Waukegan, assignor of one-half to J. E. Ericsson, Chicago, Ill. Dish-washing machine. 1,798,427; Mar. 31.
Lindgren, Waldemar L., Waukegan, assignor of one-half to J. E. Ericsson, Chicago, Ill. Dish-washing machine. 1,798,428; Mar. 31.
Lindgren, Waldemar L., Waukegan, assignor of one-half to J. E. Ericsson, Chicago, Ill. Dish-washing machine. 1,798,429; Mar. 31.
Lindgren, Waldemar L., Waukegan, assignor of one-half to J. E. Ericsson, Chicago, Ill. Dish washing machine. 1,831,774; Nov. 10.
Lindhard, Povl T., Brooklyn, assignor to F. L. Smidth & Co., New York, N. Y. Feeding cement material to kilns. 1,793,499; Feb. 24.
Lindhard, Povl T., Brooklyn, assignor to F. L. Smidth & Co., New York, N. Y. Rotary kiln and cooler. 1,813,061; July 7.
Lindhorst, Heinrich. (See Goerig, E., and Lindhorst.)
Lindley, Stacey B., assignor to Indiana Canning Machinery Company, Indianapolis, Ind. Measuring and dispensing apparatus for cans and the like. 1,833,028; Nov. 24.
Lindley, Walter, Stoke-on-Trent, England, assignor to Herman C. Kupper, Inc., New York, N. Y. Tea pot or similar article. Des. 85,050; Sept. 8.
Lindley, Walter, Stoke-on-Trent, England, assignor to Herman C. Kupper, Inc., New York, N. Y. Covered dish or similar article. Des. 85,249; Sept. 29.
Lindman, Emrik I., Stockholm, Sweden, assignor, by mesne assignments, to The Aerocrete Corporation of America, New York, N. Y. Producing cellular or porous concrete 1,791,820; Feb. 10.
Lindner, Felix, and F. Link, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of carbamides including urea. 1,816,087; July 28.
Lindner, John C., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,794,629; Mar. 3.
Lindner, John C., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,824,162; Sept. 22.
Lindner, Walther, Dusseldorf-Grafenberg, assignor, by mesne assignments, to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Multiple-speed wheel gear. 1,795,368; Mar. 10.
Lindquist, Albert W., Providence, R. I., assignor to Freeman-Daughaday Company. Clip for neckties or the like. Des. 83,116; Jan. 20.
Lindquist, Albert W., Providence, R. I., assignor to Freeman-Daughaday Company. Necktie holder. 1,815,477; July 21.

Lindquist, Birger W. (See Heames, R. M., and Lindquist.)
Lindquist, David L., Hartsdale, assignor to Otis Elevator Company, New York, N. Y. Elevator safety system. 1,789,008; Jan. 13.
Lindquist, David L., Hartsdale, N. Y., and G. N. Crabbe, Cresskill, assignors to Otis Elevator Company, Jersey City, N. J. Control system. 1,818,486; Aug. 11.
Lindquist, David L., Hartsdale, and J. D. Lewis, Yonkers, assignors to Otis Elevator Company, New York, N. Y. Motor control system. 1,838,773; Dec. 29.
Lindquist, Fred, and O. L. Nave, Sacramento, Calif. Lock. 1,814,938; July 14.
Lindsay, Hamilton, Shaker Heights, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio. Making a seam for woven wire belts. 1,807,628; June 2.
Lindsay, Harvey B., Evanston, and A. L. Clements, Chicago, Ill., assignors to Dry-Zero Corporation, Wilmington, Del. Sound deadening and heat insulating material and making the same. 1,817,086; Aug. 4.
Lindsay, James D., assignor to Standard Oil Company, Whiting, Ind. Polish. 1,808,360; June 2.
Lindsay, Lynn G., Minneapolis, Minn., assignor to Trupar Manufacturing Company, Dayton, Ohio. Water softener. 1,789,314; Jan. 20.
Lindsay, Lynn G., Minneapolis, Minn., assignor to Trupar Manufacturing Company, Dayton, Ohio. Water softener. 1,811,890; June 30.
Lindsay, Robert D., Denver, Colo. Brick-roughening machine. 1,788,725; Jan. 13.
Lindsay, Robert D., Denver, Colo. Apparatus for splitting brick or the like. 1,799,173; Apr. 7.
Lindsay, Russell H., New York, N. Y., assignor to American Telephone and Telegraph Company. Automatic regulating arrangements. 1,800,303; Apr. 14.
Lindsay, Russell H., East Orange, N. J., assignor to American Telephone and Telegraph Company. Relay-regulating circuits. 1,800,304; Apr. 14.
Lindsay, Russell H., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Relay-regulating circuit. 1,800,305; Apr. 14.
Lindsay, William, assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Switch mechanism. 1,835,116; Dec. 8.
Lindsay, William G., Newark, N. J., assignor, by mesne assignments, to Celluloid Corporation. Imitation pearl. 1,809,449; June 9.
Lindsay Wire Weaving Company, The. (See Lindsay, Hamilton, assignor.)
Lindsey, Frederick C., Milwaukee, Wis. Oil can. 1,792,020; Feb. 10.
Lindsey, Harry W., jr., Evanston, Ill., assignor to Columbus Handle & Tool Corporation, Columbus, Ind. Tool handle. Des. 83,868; Apr. 7.
Lindsey, Parren D. (See Harrison, C. D., and Lindsey.)
Lindsey, Walter, Toronto, Ontario, Canada. Combined card support and display stand. 1,806,907; May 26.
Lindsey, William D., South Orange, N. J., assignor to Garrison Fire Detecting System Incorporated, New York, N. Y. Splicing and terminal device for fire detecting cables. 1,806,207; May 19.
Lindsey, William S., Glenside, Pa. Container. 1,835,884; Dec. 8.
Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Cloth-roll wind-up mechanism. 1,790,160; Jan. 27.
Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Loom. 1,802,820; Apr. 28.
Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Reed mounting for looms. 1,833,294; Nov. 24.
Lindsjo, Verner, assignor to Draper Corporation, Hopedale, Mass. Automatically threading loom shuttles. 1,837,166; Dec. 15.
Lindsley, Henry A., Cleveland, Ohio. Package of stacked gaskets. 1,813,178; July 7.
Lindstaedt, Frank F., Oakland, assignor to Hercules Glue Company, San Francisco, Calif. Adhesive. 1,833,527; Nov. 24.
Lindstrom, Albert F. (See Hageman, A. M., and Lindstrom.)
Lindstrom, John T., Allentown, Pa. Automatic feed water regulator. 1,820,356; Aug. 25.
Lindstrom, Linn O. B., and David G. Sala, San Francisco, Calif. Electrical pruning device. 1,793,859; Feb. 24.
Lindstrom, Linn O. B., San Francisco, Calif., and A. D. Ruedemann, Cleveland, Ohio. Vision-tone device. 1,820,357; Aug. 25.
Lindstrom, Ture, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,838,950; Dec. 29.
Linebarger, Charles E., Chicago, Ill. Hydrometer. 1,796,379; Mar. 17.
Lineberger, Jack E., Charlotte, N. C. Display device. 1,829,995; Nov. 3.
Line Material Company. (See Beauregard, William, assignor.)
Line Material Company. (See Beauregard, William G., assignor.)
Line Material Company. (See Bennett, George R., assignor.)
Line Material Company. (See Cole, George H., assignor.)
Line Material Company. (See Desmond, John J., assignor.)
Line Material Company. (See Dodd, Roy L., assignor.)
Line Material Company. (See Hendee, Lem E., assignor.)
Line Material Company. (See Johnson, William G., assignor.)
Line Material Company. (See Krueger, William E., assignor.)
Line Material Company. (See Kyle, William D., assignor.)
Line Material Company. (See Lemont, Clarence J., assignor.)
Line Material Company. (See Mack, Edward A., assignor.)
Line Material Company. (See Steinmayer, Alwin G., assignor.)
Line Material Company. (See Steinmayer, A. G., and Krueger, assignors.)
Linendoll, Asa E. (See Graham, David F., assignor.)
Liner, Joseph I., assignor to L. S. Brach Manufacturing Corp., Newark, N. J. Synchronous clock motor. 1,835,505; Dec. 8.
Lines, Walter, Morden, London, England. Pedal-propelled road vehicle. 1,835,229; Dec. 8.
Linfesty, Charles W., Highland, assignor to Stebler Parker Co., Riverside, Calif. Roller cleaning and oiling device for driers. 1,791,728; Feb. 10.
Ling, Francis E. (See Reif, Joseph, assignor.)
Ling, Olof P., Cambridge, Minn. Pocket closure device. 1,820,572; Aug. 25.
Ling, Stephen G., Los Angeles, Calif. Automatic valve lubricator. 1,806,999; May 26.
Lingal, Harry J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Toggle latch. 1,807,041; May 26.
Lingal, Harry J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oil circuit breaker. 1,834,166; Dec. 1.
Lingler, Johann, Offenbach-on-the-Main, assignor to Deutsche Gesellschaft fuer Schaedlingsbekaempfung m. b. H., Frankfort-on-the-Main, Germany. Method of fumigating with calcium cyanide. 1,820,394; Aug. 25.
Lingwood, Frederick D., assignor to Manufax Limited, London, England. Punching or cutting pliers. 1,812,350; June 30.
Linhart, Emil, West New York, N. J. Chain construction. 1,797,352; Mar. 24.
Link-Belt Company. (See Caldwell, Frank B., assignor.)
Link-Belt Company. (See Dull, Raymond W., assignor.)
Link-Belt Company. (See Dull, R. W., and Geertz, assignors.)
Link-Belt Company. (See Eilersbaard, Asger, assignor.)
Link-Belt Company. (See Erickson, Willard E., assignor.)
Link-Belt Company. (See Hayward, Henry E., assignor.)
Link Belt Company. (See Heaton, H. C., and Armstrong, assignors.)
Link-Belt Company. (See Hobart, C. J., and Fisk, assignors.)
Link-Belt Company. (See Johnston, Arthur C., assignor.)
Link-Belt Company. (See Keil, Otto G., assignor.)
Link-Belt Company. (See Kidder, Elwin H., assignor.)
Link-Belt Company. (See Kidder, E. H., and Erickson, assignors.)
Link-Belt Company. (See Philips, William E., assignor.)
Link-Belt Company. (See Pierce, Harold S., assignor.)
Link-Belt Company. (See Rothman, Charlie C., assignor.)
Link-Belt Company. (See Sayers, William W., assignor.)
Link-Belt Company. (See Sayers, W. W., and Tark, assignors.)
Link-Belt Company. (See Sjolander, Axel K., assignor.)
Link-Belt Company. (See Tark, Marcus B., assignor.)
Link-Belt Company. (See Waechter, F. F., and Snyder, assignors.)
Link-Belt Company. (See Waechter, Ferdinand F., assignor.)
Link-Belt Company. (See Warner, Fred L., assignor.)
Link-Belt Company. (See Wilson, John W., assignor.)
Link, Edwin A., jr., Binghamton, N. Y. Combination training device for student aviators and entertainment apparatus. 1,825,462; Sept. 29.
Link, Friedrich. (See Lindner, F., and Link.)
Link, Johann, Brachback Sieg, Germany. Dirigible headlight. 1,809,173; June 9.
Link, Louis, Baton Rouge, La., assignor to Standard Oil Development Company. Method and apparatus for cracking oil with removal of tar. 1,833,650; Nov. 24.
Link, Otto. (See Meyer, F., and Link.)
Link, Vincent, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Vehicle brake. 1,809,982; June 16.
Link, Vincent, assignor to The Studebaker Corporation, Detroit, Mich. Vehicle brake. 1,810,022; June 16.
Linke-Hofman-Werke Aktiengesellschaft. (See Frey, Ernst, assignor.)
Linkert, Howard W. (See Berry, O. C., and Linkert.)
Linkert, Howard W., assignor to The Wheeler-Schebler Carburetor Company, Indianapolis, Ind. Down draft carburetor. 1,838,421; Dec. 29.
Linley, Fred H., and F. E. Boyd, Duluth, Minn. Oil filter and skimmer. 1,817,572; Aug. 4.
Linley, George A., Trumbull, Conn. Roll-holder for rivet spinning machines. 1,816,490; July 28.
Linn, Holman H., Morris, assignor to Linn Trailer Corporation, Oneonta, N. Y. Construction for automobile trailers and the like. 1,794,630; Mar. 3.
Linn, Holman H., Morris, assignor to The Linn Manufacturing Corporation, Morris, N. Y. Tractor. 1,809,344; June 9.

Linn, Holman H., assignor to The Linn Manufacturing Corporation, Morris, N. Y. Universal joint. 1,835,506; Dec. 8.
Linn, Le Roy R., and C. N. Remfry, Proctor, Minn. Safety device for locomotive boosters. 1,804,881; May 12.
Linn Manufacturing Corporation, The. (See Linn, Holman H., assignor.)
Linn, Robert E. (See McCormick, T. J., and Linn.)
Linn, Royal, Springfield, Ill. Side car frame for bicycles. 1,824,675; Sept. 22.
Linn Trailer Corporation. (See Linn, Holman H., assignor.)
Linnartz, Hugo. (See Behle, J., and Linnartz.)
Linnartz, Hugh. (See Behle, J., Aven, and Linnartz.)
Linnemans, William J., Big Rapids, Mich. Display stand. Des. 83,053; Jan. 13.
Linnhoff, Franz, Eberswalde, assignor to the firm: Hirsch, Kupfer- and Messingwerke Akt.-Ges., Finow/Mark, Germany. Device for annealing metal rings. 1,818,341; Aug. 11.
Linoleum Manufacturing Company. (See Godfrey, Alfred A., assignor.)
Linoleum Manufacturing Company. (See McKissock, Alexander C., assignor.)
Linotype and Machinery Limited. (See Newton, Sam, assignor.)
Linotype and Machinery Limited. (See Shuttleworth, J., and Murphy, assignors.)
Linscott, Leroy N., Thompsonville, Conn. Four-wheel brake equalizer. 1,810,358; June 16.
Linse, Max, Berlin-Biesdorf-Sud, assignor to E. O. Haberfeld, Berlin, Germany. Manufacturing veneered metal surfaces. 1,810,281; June 16.
Linsenby Manufacturing Company. (See Low, Charles L., assignor.)
Linsner, Arthur F., Astoria, assignor to Defiance Sales Corporation, New York, N. Y. Horse. 1,819,252; Aug. 18.
Linstadt, Otto, Madison, Nebr. Bottom guide for sliding barn doors. 1,802,519; Apr. 28.
Lint, Peter H., San Jose, Calif. Fruit gathering machine. 1,808,928; June 9.
Lintkote Company, The. (See Fain, Jacob M., assignor.)
Linton, Chester A., Kansas City, Mo. Sound amplifier. 1,797,528; Mar. 24.
Linton, Chester A., Kansas City, Mo. Transmission of sound waves. 1,814,603; July 14.
Linton, Merwyn B., Chicago, Ill. Grease gun. 1,833,528; Nov. 24.
Linton, Merwyn B., Chicago, Ill. Grease gun cartridge. 1,838,691; Dec. 29.
Lintz, Ervin E., Renton, Wash. Coal-moving machine. 1,800,089; Apr. 7.
Linville, Robert W., San Fernando, assignor of thirty per cent to I. S. Watson, Burbank, Calif. Electric water heater. 1,814,319; July 14.
Lion Fastener Inc. (See Poux, Noel J., assignor.)
Lion Fastener, Inc. (See Poux, N. J., Hall, and Crowe, assignors.)
Lion, Harold S., assignor to United Milk Crate Corporation, Cincinnati, Ohio. Method of and crate for packing conical articles. 1,833,949; Dec. 1.
Lionel Corporation, The. (See Caruso, Louis, assignor.)
Lionel Corporation, The. (See Caruso, Mario, assignor.)
Lionne, Ernest, Swampscott, Mass. Shoe stiffener. 1,790,240; Jan. 27.
Lipford, Robert F., Handley, W. Va. Train control. 1,791,729; Feb. 10.
Lipham, Harvey J., Creamery, Pa. Electric cooking appliance. 1,825,406; Sept. 29.
Lipman, Carl E. L., assignor to Lipman Patents Corporation, Chicago, Ill. Evaporator. 1,805,526; May 19.
Lipman, Carl E. L., Beloit, Wis., assignor to Lipman Patents Corporation, Chicago, Ill. Switch. 1,834,217; Dec. 1.
Lipman, Carl E. L., Beloit, Mich., assignor to Lipman Patents Corporation, Chicago, Ill. Refrigeration apparatus. 1,835,568; Dec. 8.
Lipman, Carl E. L., assignor to Lipman Patents Corporation, Chicago, Ill. Refrigerating system. 1,835,569; Dec. 8.
Lipman, Charles B., and A. Gordon, assignors to the Regents of the University of California, Berkeley, Calif. Wood product and producing the same. 1,805,550; May 19.
Lipman, Gabriel. (See Hill, Harry H., assignor.)
Lipman Patents Corporation. (See Lipman, Carl E. L., assignor.)
Lipovsky, John, Kenosha, Wis. Closure operator and retaining means. 1,819,104; Aug. 18.
Lipper, Clarence, assignor to Lipper Manufacturing Co., Inc., Philadelphia, Pa. Textile fabric. Re18,139; July 28.
Lipper, Clarence, Philadelphia, Pa., assignor to Lipper Manufacturing Co. Textile fabric. 1,797,429; Mar. 24.
Lipper, Harry M., Atlantic City, N. J., assignor to Lipper Manufacturing Company. Headgear and making the same. Re18,081; May 26.
Lipper Manufacturing Co. (See Lipper, Clarence, assignor.)
Lipper Manufacturing Company. (See Lipper, Harry M., assignor.)
Lippert, Henry E., Pittsburgh, Pa. Control system for motor vehicle. 1,817,416; Aug. 4.
Lippert, Henry E., assignor to M. Lower, Baltimore, Md. Fuel-distributing apparatus. 1,793,223; Feb. 17.
Lippert, Henry E., Pittsburgh, assignor to N. M. Lower, Bellevue, Pa. Locomotive stoker. 1,797,871; Mar. 24.
Lippert, Leo H. (See Scriven, G. F., and Lippert.)
Lippert, Walter E., Jackson Heights, N. Y., assignor to Remington Arms Company, Inc. Cash register. 1,836,477; Dec. 15.
Lippincott, George A., Philadelphia, Pa. Treating nacreous substances and articles formed therefrom. 1,812,885; July 7.
Lippincott, John W., Little Rock, Ark. Swimming system. 1,796,291; Mar. 17.
Lippitt, George R., assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio. Soda fountain. Des. 85,438; Oct. 27.
Lippmann, Julius D., East Orange, assignor to Textileather Corporation, Newark, N. J. Tandem coating machine. 1,813,411; July 7.
Lippold, Adolph J., Milwaukee, Wis., assignor, by mesne assignments, to Cherry-Burrell Corporation, Cedar Rapids, Iowa. Capping bottles. 1,792,593; Feb. 17.
Lipps, William D., Frederick, Md., assignor to Ox Fibre Brush Company, Inc., New York, N. Y. Brush machine. 1,835,507; Dec. 8.
Lipschutz, George. (See Flagler, Sidney V., assignor.)
Lipschutz, Louis and M. B., New York. N. Y. Pocketbook muff. 1,817,750; Aug. 4.
Lipschutz, Michael B. (See Lipschutz, Louis and M. B.)
Lipschutz, Samuel, Brooklyn, N. Y. Ink carrying reservoir. 1,822,897; Sept. 15.
Lipski, Paul, assignor to Continental Oil Company, Ponca City, Okla. Oil advertising device. 1,837,225; Dec. 22.
Lipson, Edward. (See Billotte, L. C., and Lipson.)
Lipta Fire-Brick Arch Company. (See Moe, I., and Smith, assignors.)
Liptak, Michael, St. Paul, Minn. Fire wall. 1,798,331; Mar. 31.
Liptak, Michael, St. Paul, Minn. Inspection hole wall structure. 1,809,385; June 9.
Liptak, Michael, St. Paul, Minn. Furnace wall. 1,809,417; June 9.
Liptak, Michael, St. Paul, Minn. Inspection door. 1,836,478; Dec. 15.
Lipthrott, Henry C., New Orleans, La. Fish hook and trap. 1,804,355; May 5.
Lipthrott, Henry C., New Orleans, La. Vermin eliminating device. 1,835,885; Dec. 8.
Lipton, A. (See Carlton, Jack C., assignor.)
Liquid Carbonic Corporation, The. (See De Markus, Louis, assignor.)
Liquid Carbonic Corporation, The. (See Hunt, Franklin B., assignor.)
Liquid Carbonic Corporation. (See Kantor, James, assignor.)
Liquid Carbonic Corporation, The. (See Kantor, J., and Miller, assignors.)
Liquid Cooler Corporation. (See Kellogg, Herbert C., assignor.)
Liquid Carbonic Corporation, The. (See Minor, Henry R., assignor.)
Liquid Carbonic Corporation, The. (See Oslund, Charles H., assignor.)
Liquid Carbonic Corporation, The. (See Pratt, J. H., and Hunt, assignors.)
Liquid Fuel Cutting & Welding Torch Corp. (See Spinney, Randolph B., assignor.)
Liquid Fuel Cutting & Welding Torch Corporation. (See Wilson, T. C., and Petty, assignors.)
Liquidometer Corporation, The. (See De Giers, Clarence A., assignor.)
Lischeid, Karl. (See Lischeid, Levona, assignor.)
Lischeid, Levona, assignor to K. Lischeid, National City Calif. Holder for pens and pencils. 1,833,222; Nov. 24.
Lischick, Max A., New York, N. Y. Window construction. 1,818,411; Aug. 11.
Lisenby Manufacturing Company. (See Low, Charles L., assignor.)
Lishon, Lester J., Brookline, Mass. Automobile transporting truck. 1,809,557; June 9.
Liska, Joseph, Lakewood, Ohio. Aeroplane propeller. 1,820,467; Aug. 25.
Liska, William F., Chicago, Ill. Cleaning apparatus. 1,796,527; Mar. 17.
Lisle Manufacturing Company. (See Olson, Carl A., assignor.)
Lisle, Wade H., Fresno, Calif. Receiving stand for casket-lowering devices. 1,797,663; Mar. 24.
Liss, George, Paterson, N. J. Sign apparatus. 1,813,062; July 7.
Liss, George, Paterson, N. J. Advertising apparatus. 1,831,962; Nov. 17.
Liss, Joseph J., Chicago, Ill. Cigar or cigarette lighter. 1,818,724; Aug. 11.
Lissman, Marcel A. (See Horne, G. H., and Lissman.)
Lister, John, London, assignor to The Ever Ready Company (Great Britain) Limited, London, England. Electric torch. 1,828,778; Oct. 27.
Lister, R. A., & Company. (See Attwood, Frank A., assignor.)
Listo Pencil Corporation. (See Wehn, Charles E., assignor.)
Litchfield, Isaac W., Boston, Mass., assignor to Bemis Bros. Bag Co., New York, N. Y. Method of and machine for closing flexible containers. Re17,997; Mar. 10.

Litchfield, Isaac W., assignor to Bemis Industries Inc., Boston, Mass. Concrete form. 1,811,398; June 23.
Litho-Paint Poster Company. (See Hollenbeck, Dennis L., assignor.)
Lithoprintex Corporation. (See Harris, Robert, assignor.)
Litic, John F. B., Grantwood, N. J., assignor to F. H. Minard, New York, N. Y. Advertising sign. 1,834,066; Dec. 1.
Litomy, John L. (See Schlitzer, L. J., and Litomy.)
Littell, F. J., Machine Co. (See Skriba, R. A., and Littell, assignors.)
Littell, Frederick J. (See Skriba, R. A., and Littell.)
Littell, Nelson. (See Harney, Emmet T., assignor.)
Littell, Nelson, Mount Vernon, N. Y. Automobile bumper. 1,819,471; Aug. 18.
Litter, Ferdinand J., assignor to Frederick Snare Corporation, New York, N. Y. Adjustable support for concrete forms and scaffolding. 1,825,747; Oct. 6.
Litter, Frederick A., Columbus, Ohio. Bearing boring apparatus. 1,836,078; Dec. 15.
Litterio, Caesar B., assignor to Federal Products Corporation, Providence, R. I. Cylinder gauge. 1,804,383; May 5.
Litteway Process Company, The. (See Goddu, George, assignor.)
Little, Albert, Boston, Mass. Sewing-machine attachment. 1,790,351; Jan. 27.
Little, Arthur D., Incorporated. (See Atkinson, Ralph L., assignor.)
Little, Arthur D., Incorporated. (See Little, Arthur D., assignor.)
Little, Arthur D., Inc. (See Omansky, Morris, assignor.)
Little, Arthur D., Brookline, assignor to Arthur D. Little, Incorporated, Cambridge, Mass. Briquetting fuel material. 1,809,245; June 9.
Little, Arthur D., Industrial Corporation. (See Wahlforss, Eric, assignor.)
Little, Bert R., Bellingham, Wash. Tube and pipe bender. 1,824,026; Sept. 22.
Little, Donald G. (See Davis, R. L., and Little.)
Little, Donald G., Edgewood, Pa., assginor to Westinghouse Electric & Manufacturing Company. Condenser. 1,788,115; Jan. 6.
Little, Donald G., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio transmitting system. 1,801,870; Apr. 21.
Little, Earl W., Indianapolis, Ind. Bird cage latch. Des. 85,833; Dec. 22.
Little, Earl W., Indianapolis, Ind. Bird-cage latch. 1,794,718; Mar. 3.
Little, Earl W., Indianapolis, Ind. Assembling cage tops. 1,815,982; July 28.
Little, Earl W., Indianapolis, Ind. Cage construction. 1,835,657; Dec. 8.
Little, Edwin G. (See Dalzell, C. W., and Little.)
Little, Edwin G. (See Jefferson, G. V., and Little.)
Little, Edwin G., Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Housing for dual control switch and lock movement assembly for railways. Des. 85,250; Sept. 29.
Little, George, Stamford, Conn. Wire stretcher. 1,823,054; Sept. 15.
Little, Harry C., San Rafael, Calif. Burner housing. Des. 85,657; Dec. 1.
Little, Harry C., San Francisco, Calif. Freezer. 1,800,649; Apr. 14.
Little, James E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Pyrites roasting. 1,823,907; Sept. 22.
Little, John H., Highland Park, and J. H. Hunt, assignors to General Motors Research Corporation, Detroit, Mich. Reflector. 1,792,848; Feb. 17.
Little, John S., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Mold and its method of construction for paper making machines. 1,788,531; Jan. 13.
Little, John S., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Cellulose-containing articles and producing such articles. 1,827,203; Oct. 13.
Little, John S., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine for making articles from pulpous material. 1,831,018; Nov. 10.
Little, Lonnie E., and H. T. Maib, Grandview, Wash. Paper cutting and grip facilitating device. 1,831,746; Nov. 10.
Little, Lucius F., Owensboro, Ky. Reduction reel. 1,837,782; Dec. 22.
Little, Mary L., Long Beach, Calif. Parachute for airplanes. 1,791,871; Feb. 10.
Little, William, Brooklyn, N. Y. Changeable sign. 1,803,118; Apr. 28.
Little, William L., El Dorado, Ark. Shell extractor. 1,796,757; Mar. 17.
Little, William M., Norphlet, Ark., and J. L. Sherman, Huntington Beach, Calif. Oil and water separator. 1,836,674; Dec. 15.
Little, William T., Westfield, N. J. Recovery of tin from alkaline stannate solutions. 1,811,142; June 23.
Little, William T., Westfield, N. J. Recovery of tin from stannate. 1,811,360; June 23.
Littlebury, William O., Ardrossan, Scotland, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Manufacture of fuse heads for electrical firing. 1,798,332; Mar. 31.
Littlefield, Arthur S., Winnetka, assignor to Littlefield Manufacturing Company, Chicago, Ill. Mechanical toy. 1,817,491; Aug. 4.
Littlefield Manufacturing Company. (See Littlefield, Arthur S., assignor.)
Littleford, John S. jr., Fort Thomas, Ky. Road marker. 1,826,801; Oct. 13.
Littleford, John W., Mulberry, Fla., and F. F. Johnston, Mount Pleasant, Tenn., assignors to Minerals Separation North American Corporation, New York, N. Y. Concentration of phosphate-bearing material. 1,838,422; Dec. 29.
Littleton, Jesse T., jr., Corning, and R. W. Lillie, New Rochelle, N. Y. Making bearings. 1,808,047; June 2.
Litty, John R., and T. B. Lundin, Philadelphia, Pa. Cake icing machine. 1,818,412; Aug. 11.
Litwin, Akim, J. A., and M., Cincinnati, and B. Litwin, St. Bernard, Ohio. Ring. Des. 83,459; Feb. 24.
Litwin, Akim, J. A., and M., Cincinnati, and B. Litwin, St. Bernard, Ohio. Ring. Des. 83,736; Mar. 24.
Litwin, Boris. (See Litwin, Akim, J. A., M., and B.)
Litwin, Jacob A. (See Litwin, Akim, J. A., M., and B.)
Litwin, Max. (See Litwin, Akim, J. A., M., and B.)
Litwin, Nat, Brooklyn, N. Y. Screen-repairing device. 1,792,594; Feb. 17.
Lionel Corporation, The. (See Caruso, Louis, assignor.)
Lionel Corporation, The. (See Cowen, J. L., and Caruso, assignors.)
Liuzza, Anthony J. (See Casey, D. A., and Liuzza.)
Lively, Andrew R., Dayton, Ohio. Street indicating and advertising device. 1,835,313; Dec. 8.
Lively, Wayland H., Beltrami, Minn. Exterminating machine. 1,802,211; Apr. 21.
Livensparger, Edward W., Cleveland Heights, Ohio. Machine for producing channel strips. 1,818,227; Aug. 11.
Livergood, Gerald R., Houston, Tex., assignor of one-fourth to W. L. Pearson, Harris County, Tex.; Marie E. Livergood, administratrix. Packing rods and the like. 1,825,004; Sept. 29.
Livergood, Marie E., administratrix. (See Livergood, Gerald R.)
Livermore, H. F. Co. (See Dodge, Sherwood O., assignor.)
Livermore, H. F., Co. (See Livermore, Homer F., assignor.)
Livermore, H. F., Co. (See Newton, Robert C., assignor.)
Livermore, Homer F., Brookline, assignor to H. F. Livermore Co., Allston, Mass. Dobby spring for loom harness mechanisms. 1,794,911; Mar. 3.
Livermore, Homer F., Brookline, assignor to H. F. Livermore Co., Allston, Mass. Temple coil cutter spring. 1,801,815; Apr. 21.
Livermore, Homer F., Brookline, assignor to Guaranteed Parts, Inc., Allston, Mass. Harness cord for looms. 1,835,068; Dec. 8.
Livermore and Knight Company. (See Holt, Walter O., assignor.)
Livermore, William T. (See Freeman, A. E., and Livermore.)
Livers, Arthur A. (See Miller, C., and Livers.)
Livesay, Robert C. (See Coultas, W. J., and Livesay.)
Livesay, Robert C., assignor to Deere & Company, Moline, Ill. Grain binder. 1,796,294; Mar. 17.
Livesay, Robert C., assignor to Deere & Company, Moline, Ill. Grain shocker. 1,816,438; July 28.
Livesay, Robert C., assignor to Deere & Company, Moline, Ill. Grain binder. 1,838,854; Dec. 29.
Livingood, Jesse F., assignor of one-fifth to R. A. Carroll, West Finley, Pa. Differential transmission. 1,835,412; Dec. 8.
Livingston, Alan V., Englewood, N. J., assignor to The Safety Car Heating & Lighting Company. Vehicle-driving apparatus and system. 1,787,987; Jan. 6.
Livingston, Alan V., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Regulating apparatus. 1,789,145; Jan. 13.
Livingston, Alan V., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Regulating apparatus. 1,789,146; Jan. 13.
Livingston, Alan V., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Refrigeration. 1,811,090; June 23.
Livingston, D. M., New York, N. Y. Automobile signal. 1,831,814; Nov. 17.
Livingston, Fremont P., Denver, Colo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle cock device. 1,801,816; Apr. 21.
Livingston, Guy E., and W. H. C. Ness, Los Angeles, Calif. Roof structure. 1,792,543; Feb. 17.
Livingston, Harry W., assignor of one-half to J. M. Blair, Lyons, Kans. Gas burner. 1,806,858; May 26.
Livingston, John L., assignor to American Motor Corporation, Denver, Colo. Reciprocating engine. 1,793,107; Feb. 17.
Livingston, John Warner, Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for measuring time intervals. 1,831,458; Nov. 10.
Livingston, Troy R., Muncie, Ind., assignor, by mesne assignments, to The Delphos Bending Company, Delphos, Ohio. Dry-wood-bending machine. 1,792,595; Feb. 17.
Livingston, Troy R., Muncie, Ind., assignor, by mesne assignments, to The Delphos Bending Company, Delphos, Ohio. Dry-wood-bending machine. 1,792,596; Feb. 17.

Livingston, Troy R., Muncie, Ind., assignor, by mesne assignments, to The Delphos Bending Company, Delphos, Ohio. Roll structure for dry-wood-bending machines. 1,792,597; Feb. 17.

Livingstone, Clarence J., Pittsburgh, and W. A. Gruse, Wilkinsburg, assignors to Gulf Refining Company, Pittsburgh, Pa. Lubricating oil and making same. 1,808,853; June 9.

Livingstone, James. (See Walker, Malcolm, assignor.)

Lizenby, E. T., et al. (See Lawson, George D., assignor.)

Ljungdahl, Karl-Gustaf. (See Jacobsson, F. M., and Ljungdahl.)

Ljungkull, Rolf. (See Lexa, G. J., and Ljungkull.)

Ljungkull, Rolf. (See Mitchell, H. L., and Ljungkull.)

Ljungkull, Rolf, Wauwatosa, assignor to Harnischfeger Corporation, Milwaukee, Wis. Power transmission mechanism. 1,810,489; June 16.

Ljungman, Jacob C., Malmo, Sweden. Apparatus for delivering liquids in measured quantities. 1,791,452; Feb. 3.

Ljungstrom, Fredrik, Lidingo, Sweden. Electric fan. Des. 84,642; July 14.

Ljungström, Fredrik, Lidingo, Sweden, assignor, by mesne assignments, to Ped, Incorporated. Power transmission. 1,810,282; June 16.

Ljungström, Fredrik, Lidingo, Sweden, assignor, by mesne assignments, to Ped, Incorporated. Power transmission. 1,810,283; June 16.

Llewellyn, Frederick B., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron-tube circuit. 1,788,532; Jan. 13.

Llewellyn, Frederick B., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulator and system of modulation. 1,802,118; Apr. 21.

Llewellyn Iron Works. (See Baruch, M., De Camp, and Walker, assignors.)

Lloyd, Arthur H., Coventry, England. Screw-thread cutting die. 1,813,456; July 7.

Lloyd, D. E., trustee, et al. (See Ferguson, William T., assignor.)

Lloyd, Ellis A., and V. P. Gershon, assignors to W. M. Grosvenor, New York, N. Y. Making anthraquinone and like products. 1,826,621; Oct. 6.

Lloyd, Harold B., Sioux City, Iowa. Nonsubstituting container. 1,793,811; Feb. 24.

Lloyd, Hubert E., Bound Brook, N. J., assignor to The Ruberoid Co., New York, N. Y. Paint. 1,833,612; Nov. 24.

Lloyd, Philip G., assignor to Carr-Lowrey Glass Company, Baltimore, Md. Sprinkler bottle. 1,833,971; Dec. 1.

Lloyd, Raymond W., Del Ray, Va. Attachment for printing machines. 1,836,856; Dec. 15.

Lloyd, Richard L., Providence, R. I. Pin setting-and ball-returning device. 1,794,967; Mar. 3.

Lloyd, Richard L., Providence, R. I. Tenpin housing. 1,794,968; Mar. 3.

Lloyd, Richard L., New York, N. Y. Apparatus for melting snow. 1,806,069; May 19.

Lloyd, Stewart J., and A. M. Kennedy, University, Ala., assignors to Chemical Products Company. Treating phosphate material. 1,816,051; July 28.

Lloyd, Thomas and T. W., assignors of one-third to W. W. Lloyd, Ashley, Pa. Attaching device for bait boxes. 1,806,477; May 19.

Lloyd, Thomas W. (See Lloyd, Thomas and T. W.)

Lloyd, W. J. (See Whipp, John W., assignor.)

Lloyd, Will L., jr., Pittsfield, Mass., assignor to General Electric Company. Voltage-testing recorder. 1,795,175; Mar. 3.

Lloyd, Will L., jr., Pittsfield, Mass., assignor to General Electric Company. Capacitance connection to high-voltage lines. 1,795,176; Mar. 3.

Lloyd, Willard W. (See Lloyd, Thomas and T. W., assignors.)

Lloyd, William G., Lynn, Mass. Machine for candy making. 1,823,498; Sept. 15.

Lloyd, William S. (See Bledsoe, G. W., Lloyd, and Yencer.)

Lloyd's Mfg. Co. (See Williams, Lloyd M., assignor.)

Loar, Lloyd, assignor to Gulbransen Company, Chicago, Ill. Piano. 1,798,212; Mar. 31.

Loar, Lloyd, assignor to Gulbransen Company, Chicago, Ill. Piano bridge. 1,815,265; July 21.

Loar, Lloyd, assignor to Gulbransen Company, Chicago, Ill. Piano. 1,821,977; Sept. 8.

Loar, Lloyd, assignor to Gulbransen Company, Chicago, Ill. Piano. 1,821,978; Sept. 8.

Lobelle, Marcel, assignor to C. R. Fairey, Hayes, England. Aeroplane radiator. 1,799,107; Mar. 31.

Lobley, Alfred G., assignor of one-half to Birmingham Electric Furnaces Limited, Birmingham, England. Electric furnace. 1,820,668; Aug. 25.

Lobley, Alfred G., Chapel-en-le-Frith, England, assignor of one-half to Birmingham Electric Furnaces Limited, Erdington, Birmingham, England. Control of temperature in electric furnaces and the like. 1,829,416; Oct. 27.

Löblich, Helmuth. (See Löblich, Werner and H.)

Löblich, Werner, and H. Löblich, Dresden, Germany. Box-closing device. 1,787,949; Jan. 6.

Lobosický, Karel, Prague, Czechoslovakia. Apparatus for finger gymnastics. 1,790,934; Feb. 3.

Lo Castro, Frank, Brooklyn, N. Y., assignor to La Belle Specialty Co., Inc. Clock or article of analogous nature. Des. 83,625; Mar. 10.

Lo Castro, Frank, Brooklyn, N. Y., assignor to La Belle Specialty Co., Inc. Clock frame for banjo clock. Des. 83,626; Mar. 10.

Lo Castro, Frank, Brooklyn, assignor to Abraham Levy, doing business as United Metal Goods Mfg. Co., Kings County, N. Y. Combined lamp and clockcase. Des. 83,981; Apr. 21.

Loch, Herman O., J. R. Miller, Washington, D. C., and E. A. Tibbals, Bethesda, Md. Storage battery connecter. 1,808,361; June 2.

Lochhead, Elmer C., assignor of one-half to C. R. Henderson, Moberly, Mo. Stocking. 1,819,958; Aug. 18.

Lochner, Fredrich C., Norwood, Ohio. Study table. 1,792,993; Feb. 17.

Lock Joint Pipe Company. (See Mitchell, John C., assignor.)

Lock, Ludwig. (See Walter, W., and Lock.)

Lock, Ludwig, Dormagen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Making cellulose nitroacetate. 1,817,994; Aug. 11.

Lock Patents Holding Corporation. (See Samburg, Maurice, assignor.)

Lockard, Russell R. (See Critchfield, C. H., and Lockard.)

Locke, Albert R., Oak Park, Ill. Master lever. 1,826,079; Oct. 6.

Locke, Edward B., Cincinnati, Ohio, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Computing scale. 1,831,182; Nov. 10.

Locke, Emery A. (See Bergquist, Charles H., assignor.)

Locke, Francis, North Attleboro, Mass., assignor to J. D. Crosby Company, Pawtucket, R. I. Making polished annealed stainless steels. 1,824,608; Sept. 22.

Locke, George A. (See Dowd, A. D., Kerr, and Locke.)

Locke Insulator Corporation. (See Deisch, Noel, assignor.)

Locke Insulator Corporation. (See Gouverneur, Minor F. H., assignor.)

Locke Insulator Corporation. (See Hawley, K. A., and Osborne, assignors.)

Locke Insulator Corporation. (See Hawley, Kent A., assignor.)

Locke Insulator Corporation. (See Jackson, Alexander M., assignor.)

Locke Insulator Corporation. (See Krolzig, Karl, assignor.)

Locke Insulator Corporation. (See Osborne, David H., assignor.)

Locke Insulator Corporation. (See Plimpto, Bentley, assignor.)

Locke Insulator Corporation. (See Plimpton, Bentley A., assignor.)

Locke Insulator Corporation. (See Rowland, D. H., and Robertson, assignors.)

Locke Insulator Corporation. (See Van Atta, Cloyd B., assignor.)

Locke, Karl, and H. Sachs, Leipzig-Wahren, Germany. Diaphragm for sound reproduction. 1,808,238; June 2.

Locke, Sanford J., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Press. 1,791,821; Feb. 10.

Locke, Sanford J., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment press. 1,827,154; Oct. 13.

Locke, Sanford J., and F. R. Webster, Syracuse, assignors to United States Hoffman Machinery Corporation, New York, N. Y. Press. 1,827,153; Oct. 13.

Locke Steel Chain Company, The. (See Barkstrom, Gustaf, assignor.)

Locke Steel Chain Company, The. (See Locke, Sylvanus D., assignor.)

Locke Steel Chain Company, The. (See Stegeman, H. J., and Locke, assignors.)

Locke, Sylvanus D. (See Stegeman, H. J., and Locke, assignors.)

Locke, Sylvanus D., assignor to The Locke Steel Chain Company, Bridgeport, Conn. Apparatus for making chain. 1,810,716; June 16.

Locke, Walter, Philadelphia, Pa., assignor to Edge Moor Iron Company, Edge Moor, Del. Bent tube boiler. 1,811,509; June 23.

Lockert, Wilbur H., and P. E. Welton, Cuyahoga Falls, Ohio; said Lockert assignor to said Welton. Rubber mill. 1,812,538; June 30.

Lockett, John W., and S. Tucker, assignors to Fitzgibbons Boiler Company, Inc., Oswego, N. Y. Boiler. 1,832,311; Nov. 17.

Lockett, Ralph G., Milwaukee, assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for synchronous motors. 1,799,239; Apr. 7.

Lockett, Ralph G., Wauwatosa, Wis., assignor, by mesne assignments, to Cutler-Hammer Inc. Electric motor controller. 1,819,823; Aug. 18.

Lockett, Ralph G., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control system for electric motor operated rotary devices. 1,833,491; Nov. 24.

Lockhard, Arthur E., Grafton, W. Va. Stone spreader. 1,811,324; June 23.

Lockhart, Frank S., deceased; F. E. Moskovics, administrator, assignor of one-half to J. R. Burgamy, Cincinnati, Ohio. Cooling intake for internal combustion engines. 1,807,042; May 26.

Lockhart, William K., Wilkinsburg, and T. J. O'Meara, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Interlocking relay. 1,799,629; Apr. 7.
Lockwood, Daniel S., U. S. Army, Washington, D. C. Wax and compound heating apparatus. 1,792,434; Feb. 10.
Lockwood, Ernest H., Pasadena, Calif. Building construction. 1,833,875; Nov. 24.
Lockwood, Frank A. (See Dean, C. L., Lockwood, and Richie.)
Lockwood, Harry A., assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio. Baking pan unit. 1,826,080; Oct. 6.
Lockwood, Henry W., Charleston, S. C. Fender. 1,815,413; July 21.
Lockwood, Lloyd D., Madison, N. J., assignor to Westinghouse Lamp Company. Manufacture of electric incandescent lamps and like devices. 1,795,785; Mar. 10.
Lockwood, Lockwood, Goldsmith & Galt, trustees. (See McWilliams, Homer, assignor.)
Lockwood, Louis S., assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Automatic musical instrument. 1,810,359; June 16.
Lockwood Manufacturing Company, The. (See Chandonia, Elmer H., assignor.)
Lockwood Manufacturing Company, The. (See Lockwood, Harry A., assignor.)
Loclif Company, The. (See Nicholson, Stanley W., assignor.)
Locomotive Finished Material Company, The. (See Muchnic, Henry E., assignor.)
Locomotive Firebox Company. (See Alfreds, Torris H., assignor.)
Locomotive Firebox Company. (See Christenson, Gust J., assignor.)
Locomotive Firebox Company. See Hawley, Charles G., assignor.)
Locomotive Firebox Company. (See Hinsch, Walter H., assignor.)
Locomotive Firebox Company. (See Larson, Bert E., assignor.)
Locomotive Firebox Company. (See Nelson, Arthur W., assignor.)
Locomotive Firebox Company. (See Noel, Ernest J., assignor.)
Locomotive Firebox Company. (See Reardon, Edward J., assignor.)
Locomotive Firebox Company. (See Smith, Emmett F., assignor.)
Locomotive Pulverized Fuel Company. (See Caracristi, Virginius Z., assignor.)
Locomotive Terminal Improvement Company, The. (See Otis, Spencer, assignor.)
Locreille, Claude, Fauquez, Belgium. Receiving table for cast glass. 1,819,959; Aug. 18.
Locreille, Claude, Fanquez, Belgium. Apparatus for rolling glass. 1,827,155; Oct. 13.
Locreille, Claude, Fauquez, Belgium. Manufacturing marbled and multicolored glass. 1,832,491; Nov. 17.
Loda, Joseph. (See O'Brien, James R., assignor.)
Lodde, Herbert, and J. Dieckmann, New York, N. Y. Support for holding spectacles above the line of vision. 1,811,855; June 30.
Lodding, Frederick W. (See Vedder, J. W., and Lodding.)
Lodding, Frederick W., and J. W. Vedder, assignors to Rice, Barton & Fales, Incorporated, Worcester, Mass. Doctor. 1,803,909; May 5.
Loder, Winfield R., Hutchinson, Kans. Automatic signal whistle valve. 1,837,559; Dec. 22.
Lodge, Edmund G., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Electrical-contact device. 1,795,090; Mar. 3.
Lodge, James H., Camden, N. J. Tooth paste tube holder. 1,813,457; July 7.
Lodge, Joseph E., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material feeding device. 1,809,983; June 16.
Lodge, Joseph E., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Feeding device. 1,810,023; June 16.
Lodge, Joseph E., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Device for closing openings. 1,813,179; July 7.
Lodge, Joseph E., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for handling strand material. 1,823,982; Sept. 22.
Lodge, Leo W., Brooklyn, N. Y. Coil spring connecter. 1,834,789; Dec. 1.
Lodge & Shipley Machine Tool Company, The. (See Cockburn, Francis B., assignor.)
Lodge, William C., assignor to Oswego Falls Corporation, Fulton, N. Y. Paper product and producing the same. 1,792,382; Feb. 10.
Lodwick, Jason A., Pelham Manor, assignor to American Arch Company, New York, N. Y. Furnace wall. 1,831,675; Nov. 10.
Loeb, Carl, Chicago, Ill. Spectrum lamp. 1,810,669; June 16.
Loeb, Louis S. (See Kuenemann, John R., assignor.)
Loebe, Walther-Winfried. (See Ledig, W., and Loebe.)
Loebel, Albert, Amsterdam, assignor to De Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Producing high-melting paraffin and ceresine. 1,825,533; Sept. 29.
Loebell, Henry O., assignor to H. L. Doherty, New York, N. Y. Apparatus for manufacture of combustible gas. 1,790,823; Feb. 3.
Loebell, Henry O., assignor to H. L. Doherty, New York, N. Y. Manufacture of combustible gas. 1,790,824; Feb. 3.
Loebell, Henry O., assignor to H. L. Doherty, New York, N. Y. Apparatus for manufacturing combustible gas. 1,826,007; Oct. 6.
Loebell, Henry O., assignor to H. L. Doherty, New York, N. Y. Manufacture of fuel gas. 1,837,226; Dec. 22.
Loeber, Herman M., assignor to Dempster Mill Manufacturing Co., Beatrice, Nebr. Windmill construction. 1,794,188; Feb. 24.
Loeber, Herman M., assignor to Dempster Mill Manufacturing Co., Beatrice, Nebr. Windmill construction. 1,794,189; Feb. 24.
Loebl, Jerrold, assignor to John R. Thompson Co., Chicago, Ill. Table top. Des. 84,706; July 21.
Loeble, Gottlob E., New York, N. Y. Surgical appliance. 1,809,558; June 9.
Loeding, Henry, Chicago, Ill. Floor trap for burglar alarms. 1,814,255; July 14.
Loeffelholz Co. (See Taylor, Louis R., assignor.)
Loeffelholz, Henry J., Perry, Okla. Railway rail joint. 1,814,939; July 14.
Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Clutch-yoke construction. 1,793,500; Feb. 24.
Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Clutch disk construction. 1,810,360; June 16.
Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Clutch disk construction. 1,810,361; June 16.
Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Lubricating device for clutch throw out bearings. 1,820,748; Aug. 25.
Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Torque damper. 1,820,749; Aug. 25.
Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Clutch brake. 1,828,423; Oct. 20.
Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Lubricating device for clutch pilot bearing. 1,834,285; Dec. 1.
Loeffler, Frank X., Oklahoma City, Okla. Portable steam condensing apparatus. 1,829,528; Oct. 27.
Loeffler, Herman G. (See Eichenlaub, A. C., and Loeffler.)
Loeffler, Joseph M., Philadelphia, Pa. Door opening apparatus. 1,807,121; May 26.
Loeffler, Louis J., Stapleton, N. Y. Desk stand for a hand telephone. Des. 83,329; Feb. 17.
Loeffler, Louis J., Stapleton, N. Y. Telephone hand set. 1,830,035; Nov. 3.
Loeffler, William, Sheboygan, Wis. Sawing machine. 1,788,920; Jan. 13.
Loehr, Charles J., Los Angeles, Calif. Automatic trap nest. 1,824,557; Sept. 22.
Loehr, Oskar, Uerdingen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of esters of glycols. 1,810,318; June 16.
Loening, Grover, New York, N. Y. Handling carriage for stowing airplanes. 1,811,510; June 23.
Loening, Grover, New York, N. Y. Flying boat. 1,811,550; June 23.
Loening, Grover, New York, N. Y. Handling carriage for airplane bodies. 1,811,551; June 23.
Loepfe, Charles M., assignor to Cottonwood Fiber Company, St. Louis, Mo. Oil burner. 1,821,654; Sept. 1.
Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Quartz bulb. 1,797,919; Mar. 24.
Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Link. 1,816,017; July 28.
Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Fire extinguishing system. 1,830,666; Nov. 3.
Loerke, Walter J., assignor of one-third to F. P. Lutz and one-third to E. F. McClintock, Dayton, Ohio. Conveyer or handling device. 1,820,669; Aug. 25.
Loesch, Christian W., St. Louis, Mo. Cigarette or cigar holder. 1,821,267; Sept. 1.
Loesch, Hugo G., Rochester, assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Producing citrus fruit products. 1,808,737; June 2.
Loesche, Ernst C., Berlin-Lankwitz, Germany. Furnace for sintering, calcining, roasting and smoldering of substances and working said furnace. 1,832,226; Nov. 17.
Loesche, Ernst C., Berlin-Lankwitz, Germany. Crushing mill. 1,838,998; Dec. 29.
Loeser, Edward O., and G. B. Gallasch, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Measuring instrument. 1,822,740; Sept. 8.
Loesges, Carl. (See Brown, G. R., and Loesges.)
Loesser, Ernest W. (See Loesser, E., and E. W.)
Loesser, Ernest, and E. W. Loesser, Malba, N. Y., assignors, by mesne assignments, to New Diamond Polishing Tool Company of America, Inc. Apparatus for grinding and polishing precious stones. 1,838,423; Dec. 29.

Loetscher, Emil C., Dubuque, Iowa. Veneer article and manufacture. 1,805,179; May 12.
Loetscher, Emil C., Dubuque, Iowa. Composition flooring and making the same. 1,825,877; Oct. 6.
Loetscher, John A., assignor to Farley & Loetscher Mfg. Co., Dubuque, Iowa. Door construction. 1,825,878; Oct. 6.
Loew, Paul W., Lakewood, Ohio. Attachment for internal-combustion engines. 1,799,430; Apr. 7.
Loewe, Bernhard, Berlin-Friedenau, Germany, assignor to Radio Corporation of America. Vacuum tube and making same. 1,821,351; Sept. 1.
Loewe, Siegmund, Berlin, Friedenau, Germany, assignor to Radio Corporation of America, Amplifier tube. 1,787,912; Jan. 6.
Loewe, Siegmund., Friedenau, Berlin, Germany, assignor to Radio Corporation of America. Beat-frequency heterodyne receiver arrangement. 1,819,609; Aug. 18.
Loewe, Siegmund, Berlin-Friedenau, Germany, assignor to Radio Corporation of America. Receiving wireless waves. 1,830,611; Nov. 3.
Loewe, Siegmund, Berlin, Germany. Method and arrangement for dispersing magnesium in vacuum tubes. 1,833,117; Nov. 24.
Loewe, Siegmund, Berlin, Friedenau, Germany, assignor to Radio Corporation of America. Pendulum-type interrupter. 1,834,129; Dec. 1.
Loewe, Siegmund, Berlin, Friedenau, Germany, assignor to Radio Corporation of America. Circuit arrangement for multiple-unit tubes. 1,838,855; Dec. 29.
Loewer, Alvin C., Parksville, Md. Light effecting devices. 1,811,723; June 23.
Loewy, Raymond, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Radiocabinet. Des. 84,530; June 30.
Loewy, Raymond, New York, N. Y., assignor to Hupp Motor Car Corporation, Detroit, Mich. Hub cap. Des. 84,896; Aug. 18.
Loewy, Raymond G. F., New York, N. Y. Automobile. Des. 83,205; Feb. 3.
Lof, August H., Brooklyn, N. Y. Awning fixture. 1,834,719; Dec. 1.
Löf, Emil, Stockholm, Sweden. Frame saw. 1,799,108; Mar. 31.
Loffler, Andrew D., jr. (See Knudsen, Fritz W., assignor.)
Loffler, Jennie E., sole heir and widow. (See Loffler, Stephen.)
Löffler, Stephan, Charlottenburg, near Berlin, Germany; J. E. Löffler, sole heir of said Stephan Löffler, deceased. Intermediate superheater for high-pressure steam plants. 1,800,306; Apr. 14.
Loffler, Stephen, deceased, Charlottenburg, near Berlin, Germany; J. E. Loffler, sole heir and widow. Coal dust furnace for high pressure boilers. 1,812,966; July 7.
Lofgren, Einar G. C., and W. M. Anderson, Minneapolis, Minn. Electric toaster. 1,836,538; Dec. 15.
Lofgren, Gustaf E., Mount Vernon, assignor to Ruths Steam Storage, Inc., New York, N. Y. Reserve apparatus for oil stills. 1,835,230; Dec. 8.
Lofland, Alfred M., Lebanon, Ind. Demountable felly. 1,819,297; Aug. 18.
Lofman, Charles, Riverside, assignor to S. Karpen & Bros., Chicago, Ill. Mattress ticking or the like. Des. 84,836; Aug. 11.
Lofman, Charles, Chicago, Ill., assignor to S. Karpen & Bros. Textile panel for a mattress cover. Des. 85,106; Sept. 15.
Lofman, Charles, Los Angeles, Calif., assignor to Roberti Bros. Apparatus for connecting coiled spring members. 1,817,087; Aug. 4.
Lofstrand, Albin P., Chicago, Ill. Railroad switch. 1,790,548; Jan. 27.
Loft, Inc. (See Heller, William F., assignor.)
Loft, Inc. (See Laureys, Peter C., assignor.)
Loftin, Edward. (See White, Sidney Y., assignor.)
Loftin, Lawrence K., Altavista, Va., assignor to The Lane Company, Inc. Aroma tight lock. 1,830,281; Nov. 3.
Loftus, Fred H., Pittsburgh, Pa. Metallurgical furnace. 1,792,021; Feb. 10.
Logan, A. J., Company. (See Schiffhouer, Joseph H., assignor.)
Logan, Charles F., Taunton, Mass., assignor to Union Electric Steel Corporation, Pittsburgh, Pa. Apparatus for treating mill rolls. 1,797,430; Mar. 24.
Logan, Charles W., Kenmore, N. Y. Electric heater. Des. 83,554; Mar. 3.
Logan, Charles W., Kenmore, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric heater. Des. 84,091; May 5.
Logan, Charles W., Kenmore, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Artificial coal unit. 1,808,780; June 9.
Logan Co. (See Gotthardt, H. R., and Cain, assignors.)
Logan Co. (See Haley, R., and Elrod, assignors.)
Logan Co. (See Resch, Carl W., assignor.)
Logan Co. (See York, Phineas H., assignor.)
Logan, George A., New York, N. Y. Combination tool. 1,808,239; June 2.
Logan, George H., Pittsburgh, Pa. Snare strainer for drums. 1,794,969; Mar. 3.
Logan, George H., Pittsburgh, Pa. Head for musical instruments. 1,809,050; June 9.
Logan, Henry L., assignor to Holophane Company, Inc., White Plains, N. Y. Lighting appliance. 1,799,304; Apr. 7.
Logan, J. A. (See Humason, Granville A., assignor.)
Logan, James A. (See Humason, G. A., and Logan.)
Logan, Judson C. (See Wheeler, W. H., and Logan.)
Logan Laboratories. (See Brown, Edwin, assignor.)
Logan-Long Company. (See Mosher, Fred A., assignor.)
Logan, William B., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Vacuum distillation. 1,804,941; May 12.
Logan, William B., De Quincy, La., assignor to The Newport Company, Carrollville, Wis. Treatment of rosin and product thereof. 1,807,483; May 26.
Logue, Charles H., Syracuse, N. Y. Variable speed power transmission. 1,834,790; Dec. 1.
Logue, Charles H., Syracuse, N. Y., assignor to General Motors Corporation, Detroit, Mich. Variable speed power transmitting mechanism. 1,830,744; Nov. 3.
Logue, Paul. (See Carothers, J. N., and Logue.)
Lohaus, Otto. (See Gergacsevics, O. and Lohaus.)
Lohmann Aktiengesellschaft. (See Lohmann, Johannes, assignor.)
Lohmann, Johannes, Fahr-on-the-Rhine, assignor to the Firm Lohmann Aktiengesellschaft, Fahr-Wollendorf, Germany. Plaster bandage with wound or healing pad. 1,817,696; Aug. 4.
Lohmann, William H., Wilmington, Del., assignor to General Chemical Company, New York, N. Y. Continuous crystallizer. 1,810,217; June 16.
Lohr, Paul. (See Berner, L., and Lohr.)
Loizzo, Joseph. (See Brodnax, C. M., and Loizzo.)
Lolley, William H., Albany, assignor to The Ludlow Valve Manufacturing Company, Troy, N. Y. Valve. 1,830,667; Nov. 3.
Lollo, Arthur, Brooklyn, N. Y. Condiment holder. Des. 83,163; Jan. 27.
Lollo, Arthur, Brooklyn, N. Y. Salt shaker. Des. 85,534; Nov. 10.
Loman, Abraham D., jr., Amsterdam, Netherlands. Musical instrument. 1,794,190; Feb. 24.
Lomax, Clarence E. (See Levy, O. C., Lomax, and Saunders.)
Lomax, Clarence E. (See Ray, A. J., and Lomax.)
Lomax, Clarence E. (See Ray, A. J., Lomax, and Ruggles.)
Lomax, Clarence E. (See Saunders, N. H., and Lomax.)
Lomax, Clarence E., Oak Park, Ill. Telephone supervisory system. 1,802,179; Apr. 21.
Lomax, Clarence E., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. Re18,076; May 19.
Lomax, Clarence E., Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone supervisory system. 1,793,812; Feb. 24.
Lomax, Clarence E., Oak Park, assignor to Automatic Electric Inc., Chicago, Ill. Voltage control equipment. 1,827,090; Oct. 13.
Lomax, Clarence E., Oak Park, and L. L. Ruggles, Wheaton, Ill., assignors to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,790,935; Feb. 3.
Lombard, Nathaniel, Worcester, Mass. Air valve. 1,814,565; July 14.
Lombard, Nathaniel, Worcester, Mass. Clutch. 1,814,566; July 14.
Lombard, Nathaniel, assignors of one-half to E. F. Coffin, Worcester, Mass. Carbonator. 1,836,329; Dec. 15.
Lombard, Thomas R., assignor to W. H. Newman and M. M. Newman, Long Beach, Calif. Tapestry, embroidery or rug frame. 1,834,462; Dec. 1.
Lombardi, Vincent, Brooklyn, N. Y. Knitting machine. 1,792,647; Feb. 17.
Lombardi, Vincent, Brooklyn, N. Y. Knitting machine. 1,797,006; Mar. 17.
Lombardi, Vincent, Brooklyn, N. Y. Knitting machine. 1,803,336; May 5.
Lombardi, Vincent, Brooklyn, N. Y. Knitted fabric. 1,817,199; Aug. 4.
Lombardi, Vencent, Brooklyn, N. Y. Knitting machine. 1,820,982; Sept. 1.
Lombardi, Vincent, Brooklyn, N. Y. Knitted fabric. 1,831,963; Nov. 17.
Lombardi, Vincent, Brooklyn, N. Y. Knitted fabric. 1,831,964; Nov. 17.
Lombardini, Luigi, Turin, Italy. Wing pocket for visible index card holders. 1,816,261; July 28.
Lommel, Wilhelm, Wiesdorf-on-the-Rhine, T. Goost, Leverkusen-on-the-Rhine, and H. Friedrich, Wiesdorf-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, Accelerator for caoutchouc. 1,824,609; Sept. 22.
Lommen, Fred W. (See Curme, G. O., jr., and Lommen.)
Lomont, Frank A., Sebastapol, Calif. Brake. 1,792,383; Feb. 10.
London, David, Baltimore, Md. Garment bag. 1,832,715; Nov. 17.
London, Isador, New York, N. Y. Electrical condenser. 1,801,050; Apr. 14.
London, Jacob M. (See Crawford, G. M., and London.)
London, John S., Philadelphia, and C. B. McCarty, Matamoras, Pa., assignors of one-third to D. W. Fisher, Hornell, N. Y. Oiling device. 1,807,484; May 26.
London, Paul F., St. Louis, Mo. Telephone attachment. 1,832,643; Nov. 17.
London Valve Company, The. (See McGeorge, James A., assignor.)

Lonergan, Simon J., La Porte, Ind. Supporting and adjusting mechanism. 1,800,737; Apr. 14.
Lonergan, Simon J., assignor to Bastian-Morley Co., La Porte, Ind. Heating apparatus. 1,787,450; Jan. 6.
Lonergan, Simon J., and L. P. Corsbie, assignors to Bastian-Morley Company, La Porte, Ind. Casing for water heaters. 1,802,085; Apr. 21.
Loney, John W., Brockton, Mass., assignor to O. A. Miller Treeing Machine Company, Portland, Me. Shoe stretcher. 1,828,742; Oct. 27.
Long, Archie O., Kansas City, Mo. Pressing buck. 1,829,566; Oct. 27.
Long, Armistead R., Scarbro, W. Va. Car stop. 1,831,676; Nov. 10.
Long, Armistead R., Scarbro, W. Va. Mine car. 1,834,463; Dec. 1.
Long, Armistead R., Scarbro, W. Va. Turn-out switch. 1,834,464; Dec. 1.
Long, Carrie O., Chicago, Ill. Hair waving appliance. 1,806,355; May 19.
Long, Clyde R., Smethport, Pa. Golf ball marker. 1,814,170; July 14.
Long, Cornelius J. (See Greiner, A., and Long.)
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 83,000; Jan. 6.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble suit. Des. 83,054; Jan. 13.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 83,555; Mar. 3.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Bathing suit. Des. 83,737; Mar. 24.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Bathing suit. Des. 83,869; Apr. 7.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble dress. Des. 83,870; Apr. 7.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 84,043; Apr. 28.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 84,044; Apr. 28.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble suit. Des. 84,092; May 5.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble suit. Des. 84,093; May 5.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble suit. Des. 84,094; May 5.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 84,148; May 12.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 84,149; May 12.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 84,197; May 19.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 84,250; May 26.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des 84,293; June 2.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 84,294; June 2.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 84,356; June 9.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble suit. Des. 84,425; June 16.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 84,643; July 14.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 85,339; Oct. 13.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Suit. Des. 85,484; Nov. 3.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Suit. Des. 85,535; Nov. 10.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 85,616; Nov. 24.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 85,658; Dec. 1.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble suit. Des. 85,659; Dec. 1.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble suit. Des. 85,660; Dec. 1.
Long, Dorothy, assignor to Franklin Simon & Company, Inc., New York, N. Y. Ensemble dress. Des. 85,661; Dec. 1.
Long, Eli M., assignor to Shur-On Standard Optical Company, Inc., Geneva, N. Y. Lens cutter. 1,789,942; Jan. 20.
Long, Frank G., Rockcastle, Ala. Pipe cleaner. 1,806,478; May 19.
Long, George M., Faneuil, Mass., assignor to Warren Telechron Company. Clock case. Des. 83,627; Mar. 10.
Long, George M., Boston, Mass., assignor to Warren Telechron Company. Clock case. Des. 84,837; Aug. 11.
Long, George M., Boston, Mass., assignor to Warren Telechron Company. Clock case. Des. 84,838; Aug. 11.
Long, Glen D., Pendleton, Oreg. Automobile radiator work stand. 1,823,204; Sept. 15.
Long, H. E. (See Kurtz, Charles F., assignor.)
Long, James A., assignor to Penn Engineering Company, Reading, Pa. Vise stand. 1,812,967; July 7.
Long, James S., Bethlehem, Pa., assignor of one-third to Lehigh University and one-third to Archer-Daniels-Midland Company and W. O. Goodrich Company. Treating oils and product thereof. 1,818,073; Aug. 11.
Long, James W. (See Dirkes, R. F., Kimball, and Long.)
Long, James W., Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Coupon-feed-control mechanism for keyboard transmitters. 1,800,190; Apr. 7.
Long, James W., North Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Printing telegraph control circuit. 1,815,786; July 21.
Long, John, Tipton, Iowa. Interlocking bolts and nuts. 1,815,517; July 21.
Long, Lawrence J. (See Woolley, J. F., jr., and Long.)
Long, Leland E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Welding apparatus. 1,794,912; Mar. 3.
Long Manufacturing Company. (See Herz, Ferdinand B., assignor.)
Long Manufacturing Company. (See Higgins, Harry A., assignor.)
Long Manufacturing Company. (See Ritter, William C., assignor.)
Long, Maurice B., Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device for radio and phonograph combinations. 1,811,856; June 30.
Long, Millard E. (See de Silva, R., and Long.)
Long, Millard E., San Antonio, Tex. Dust collector. 1,821,842; Sept. 1.
Long, Millard E., assignor to C. D. Newton, San Antonio, Tex. Photographic print drying machine. 1,839,105; Dec. 29.
Long, P. H. (See Alves, Alfred C., assignor.)
Long, Sherman G., Peoria, Ill. Can or similar receptacle. Des. 83,871; Apr. 7.
Long, Sidney L., Minneapolis, Minn. Liquid-vending machine. 1,791,217; Feb. 3.
Long, Sidney L., Minneapolis, Minn. Toy. 1,811,056; June 23.
Long, Sidney L., Minneapolis, Minn. Toy. 1,817,751; Aug. 4.
Long, Sidney L., Minneapolis, Minn. Corn popper. 1,836,479; Dec. 15.
Long, Sidney L., Minneapolis, Minn. Changeable display device. 1,838,774; Dec. 29.
Long, Spencer W., Redondo Beach, Calif., assignor by mesne assignments, to The National Supply Company, Toledo, Ohio. Locking device for spring hooks. 1,806,908; May 26.
Long, Thomas, assignor to Mills Novelty Company, Chicago, Ill. Scale. Des. 84,198; May 19.
Long, Thomas P. (See Hoff, C. L., and Long.)
Long, Thomas H. (See Breisky, J. V., and Long.)
Long, Thomas H., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Induction furnace. 1,823,908; Sept. 22.
Long-Turney Corporation. (See Walker, Jack E., assignor.)
Long, Verne V., Torrington, Wyo. Bed warmer. 1,814,940; July 14.
Long, W. E., Co., The. (See Meyer, A. W., and Haas, assignor.)
Long, William. (See Bos, Georges H., assignor.)
Long, William B. (See Thompson, C. S., and Long.)
Long, William B., and P. B. Clark, assignors to Union Special Machine Company, Chicago, Ill. Driving and stopping mechanism for sewing machines. 1,802,434; Apr. 28.
Long, William E., New York, N. Y. Control device for receipt printing machine. 1,829,286; Oct. 27.
Long, William E., assignor to R. H. Macy & Co., Inc., New York, N. Y. Signaling device for adding machines and the like. 1,793,410; Feb. 17.
Long, William H., Berkeley, Calif. Transmission device. 1,821,102; Sept. 1.
Long, William H., Berkeley, Calif., assignor, by mesne assignments, to F. and T. C. Williams. Wheel-rim mounting. 1,797,529; Mar. 24.
Longan, John V., Archer City, Tex. Shopping wagon. 1,817,260; Aug. 4.
Longan, John V., Archer City, Tex. Basket carrier. 1,837,664; Dec. 22.
Longchamp, Louis C., Epinay-sur-Seine, France. Closing device for tin cans and the like. 1,833,752; Nov. 24.
Longenback, Edwin F., assignor to American Manganese Steel Company, Chicago Heights, Ill. Apparatus for broaching tractor links. 1,830,472; Nov. 3.
Longley, Frederick W., Verdun, Quebec, Canada. Collapsible stepping box. 1,811,674; June 23.
Longley, Herbert J., assignor to Automotive Engineering Company, Limited, Twickenham, England. Machine for boring metal. 1,794,080; Feb. 24.
Longnecker, Morton, and W. M. Elkins, assignors to Overmyer Mould Company, Winchester, Ind. Workholding device. 1,820,812; Aug. 25.
Longnecker, Paul F. (See Firth, L. G., and Longnecker.)
Longnecker, Paul F., assignor to Firth-Sterling Steel Company, McKeesport, Pa. Rolling. 1,826,622; Oct. 6.
Longobardi, Felice, Chicago, Ill. Vehicle wheel. 1,796,952; Mar. 17.

Longpré, Arthur, St. Joseph, Quebec, Canada. Demountable wheel. 1,827,531; Oct. 13.
Longstreet, Lawrence C., assignor of one-third to G. Voehl, Dunellen, N. J. Boat propulsion mechanism. 1,804,882; May 12.
Longstreth, Charles B., Denver, Colo. Refrigerator display case. 1,792,748; Feb. 17.
Longtin, William J., assignor to Wildman Mfg. Co., Norristown, Pa. Yarn feeding device for circular knitting machines. 1,821,268; Sept. 1.
Longvall, Raymond C. (See Remington, A. L., and Longvall.)
Longworth, James R., and H. Hirst, Bolton, England; said Longworth assignor to said Hirst. Automatic fire alarm. 1,791,598; Feb. 10.
Longyear, Frank H., assignor to Thermal Engineering Corporation, Detroit, Mich. Chip drying furnace. 1,833,118; Nov. 24.
Lonie, James H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Hydraulic feed for work tables. 1,834,956; Dec. 8.
Lonschein, Samuel. (See Levy, H., and Lonschein.)
Lonskey, John H., Ypsilanti, assignor to Central Specialty Company, Detroit, Mich. Shower bath trap. 1,826,555; Oct. 6.
Lontz, Harry R., assignor to F. & N. Lawn Mower Company, Richmond, Ind. Mowing machine. 1,816,980; Aug. 4.
Lontz, Harry R., assignor to F. & N. Lawn Mower Company, Richmond, Ind. Gang mower. 1,818,487; Aug. 11.
Lonza Elektrizitätswerke und Chemische Fabriken Aktiengellschaft. (See Luscher, Emil, assignor.)
Loock, Emiel, Owensville, Ark. Wheel hubs. 1,835,231; Dec. 8.
Loock, Frederick F. (See Wilms, G. O., and Loock.)
Looft, Otto, Tracy, Calif. Adjustable handle wrench. 1,792,850; Feb. 17.
Look, Carrol A., Los Angeles, Calif. Sirup dispenser. Des. 83,055; Jan. 13.
Look, Carrol A., Los Angeles, Calif. Beverage faucet. Des. 84,150; May 12.
Lookingland, Isaac D., Chicago, Ill. System and means for feeding water to steam boilers. 1,804,172; May 5.
Loomis, Albert G., H. A. Ambrose, and J. S. Brown, Pittsburgh, Pa., assignors to Gulf Production Company. Drilling of terrestrial bores. 1,819,646; Aug. 18.
Loomis, Allen, assignor to C. G. Conn, Ltd., Elkhart, Ind. Tuning device for wind musical instruments. 1,821,655; Sept. 1.
Loomis, Allen, assignor to C. G. Conn, Ltd., Elkhart, Ind. Tuning device for musical instruments. 1,837,227; Dec. 22.
Loomis, Allen, assignor to C. G. Conn, Ltd., Elkhart, Ind. Clarinet. 1,837,823; Dec. 22.
Loomis, Chauncey C., Yonkers, and H. E. Stump, Brooklyn, N. Y., assignor, by mesne assignments, to United States Rubber Company. Concentration of latex by centrifugal action. 1,816,018; July 28.
Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,795,223; Mar. 3.
Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,817,454; Aug. 4.
Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,828,329; Oct. 20.
Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,828,330; Oct. 20.
Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Airgun. 1,830,763; Nov. 10.
Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,834,410; Dec. 1.
Loomis, Evarts G., Newark, assignor to The Okonite-Collender Cable Company, Paterson, N. J. Method of and apparatus for taping cables and the like. 1,830,668; Nov. 3.
Loomis, Evarts G., Newark, assignor to The Okonite-Collender Cable Company, Incorporated, Paterson, N. J. Apparatus for applying tape to conductors. 1,830,669; Nov. 3.
Loomis, Frederick W., Chestnut Hill, Conn. Device for trapping and exterminating insects. 1,820,813; Aug. 25.
Loomis, Harold S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,822,497; Sept. 8.
Loomis, Leslie E., and E. Root, Buffalo, N. Y. Ring lifter for automobile wheel rims. 1,829,804; Nov. 3.
Loomis Machine Company, The. (See Good, Bruce Z., assignor.)
Loomis, Nathaniel E. (See Howard, F. A., and Loomis.)
Loomis, Nathaniel E., Westfield, N. J., assignor to Standard Oil Development Company. Process and apparatus for recovering gasoline from gas. 1,789,470; Jan. 20.
Loomis, Nathaniel E., Westfield, N. J., assignor to Standard Oil Development Company. Heavy oil fuel. 1,820,983; Sept. 1.
Loomis, Nathaniel E., Elizabeth, N. J., assignor to Standard Oil Development Company. Converting hydrocarbons. 1,809,174; June 9.
Loomis, Nathaniel E., Elizabeth, N. J., assignor to Standard Oil Development Company. Apparatus for cracking hydrocarbons. 1,812,658; June 30.
Loomis, Nathaniel E., Westfield, and L. Burgess, Roselle, N. J., assignors to Standard Oil Development Company. Converting oils. 1,822,862; Sept. 8.
Loomis, Walter A., Whittier, Calif. Safety oil saver. 1,809,175; June 9.
Loomis, Walter A., and S. E. Burton, Los Angeles, Calif. Deep well pump and system. 1,811,948; June 30.
Lopez, Francesco, assignor to Società Anonima Industria Ammoniaca, Padova, Italy. Apparatus for eliminating a substance from a gaseous mixture. 1,812,750; June 30.
Lopez, Nicolas A., assignor of one-half to J. J. Theis, jr., Chicago, Ill. Starting device. 1,830,844; Nov. 10.
Lopez, Peter, West Tampa, Fla. Display table top. 1,825,464; Sept. 29.
Lopez, Peter, West Tampa, Fla. Etching portraits on mirrors. 1,832,716; Nov. 17.
Loppacker, Albert, Bloomfield, N. J., assignor to Radio Corporation of America, New York, N. Y. Apparatus and process for the manufacture of vacuum tube electrodes. 1,809,206; June 9.
Lorain Automatic Icer Company, The. (See Walker, Harry J., assignor.)
Lorand, Eugene J. (See Hollo, Julius, assignor.)
Lorang, Henry J., St. Louis, Mo. Mop head. 1,806,402; May 19.
Lorang, Henry J., assignor of one-half to F. J. Kuna, St. Louis, Mo. Process of and compound for hardening the surface of mild steels. 1,826,008; Oct. 6.
Lorang, Henry J., assignor of one-half to F. J. Kuna, St. Louis, Mo. Zinc alloy. 1,832,992; Nov. 24.
Loranger, Hubert R., Highland Park, and D. D. Parshall; said Loranger assignor to Automatic Freezer Corporation, Detroit, Mich. Condenser unit for refrigerating apparatus. 1,802,659; Apr. 28.
Loranger, Hubert R., Highland Park, and U. R. Loranger, deceased, Detroit, M. F. Loranger, executrix, assignors to Automatic Freezer Corporation, Detroit, Mich. Scrubber for refrigerating apparatus. 1,804,836; May 12.
Loranger, Marie F., executrix. (See Loranger, Hubert R. and U. R.)
Loranger, Ubald R. (See Loranger, Hubert R. and U. R.)
Lorber, Charles, Bloomfield, N. J. Swivel key plate. 1,797,664; Mar. 24.
Lorber, Charles, Louisville, Ky. Key case. 1,800,650; Apr. 14.
Lorber, Charles, Louisville, Ky. Can opener. 1,837,783; Dec. 22.
Lorch, Harry V., Queens Village, N. Y. Clothesrack. 1,830,282; Nov. 3.
Lorcher, Philip C., Huron, Ohio. Poultry feeder. 1,790,385; Jan. 27.
Lord, Fred W., assignor to The Oakes Manufacturing Company, Tipton, Ind. Trap nest. 1,822,048; Sept. 8.
Lord, Fred W., assignor to The Oakes Manufacturing Company, Tipton, Ind. Brooder heater. 1,822,049; Sept. 8.
Lord, Hugh C. (See Whitehouse, Irving P., assignor.)
Lord, Hugh C., Erie, Pa. Forming explosive mixtures. 1,788,578; Jan. 13.
Lord, Hugh C., Erie, Pa. Joint. 1,794,782; Mar. 3.
Lord, Hugh C., Erie, Pa. Brake and actuating the same. 1,804,697; May 12.
Lord, Hugh C., Erie, Pa. Cushion mounting. 1,810,717; June 16.
Lord, Hugh C., Erie, Pa. Car. 1,810,718; June 16.
Lord, Hugh C., Erie, Pa. Friction device. 1,810,872; June 16.
Lord, Hugh C., Erie, Pa. Clevis. 1,810,972; June 23.
Lord, Hugh C., Erie, Pa. Flexible coupling. 1,820,750; Aug. 25.
Lord, Hugh C., Erie, Pa. Gear shift lever mechanism. 1,824,090; Sept. 22.
Lord, Hugh C., Erie, Pa. Vibration dampener. 1,828,539; Oct. 20.
Lord, Hugh C., Erie, Pa. Vibration dampener. 1,830,118; Nov. 3.
Lord, Lyman L., assignor to E. B. Badger & Sons Company, Boston, Mass. Expansion joint. 1,797,151; Mar. 17.
Lord, Lyman L., assignor to E. B. Badger & Sons Company, Boston, Mass. Apparatus for corrugating metal tubes. 1,835,314; Dec. 8.
Lord, Richard C., Gambier, Ohio, assignor to The Dow Chemical Company, Midland, Mich. Making magnesium chloride and other magnesium salts of high purity. 1,808,362; June 2.
Lord, Robert W., Portsmouth, N. H. Strap clamp and block. 1,815,414; July 21.
Lord, Thomas, and H. J. Brunk, assignors to C. F. Pease Company, Chicago, Ill. Machine for making blue prints and other photoprints. 1,804,796; May 12.
Lord, Thomas G., Skowhegan, Me. Dish drainer. 1,835,232; Dec. 8.
Lorentzen, Hans K., New York, N. Y. Duplicator. 1,836,764; Dec. 15.
Lorenz-Aktiengesellschaft, C. (See Langewiesche, Wilhelm, assignor.)
Lorenz, C., A. G. (See Bock, W., and Rath, assignors.)
Lorenz, C., Aktiengesellschaft. (See Gerth, Felix, assignor.)
Lorenz, C., Aktiengesellschaft. (See Hahnemann, Walter, assignor.)
Lorenz, C., Aktiengesellschaft. (See Hahnemann, W., and Rath, assignors.)
Lorenz, C., Aktiengesellschaft. (See Herzog, Robert, assignor.)
Lorenz, C., Aktiengesellschaft. (See Karplus, Eduard, assignor.)
Lorenz, C., Aktiengesellschaft. (See Kruse, Wilhelm, assignor.)

Lorenz, C., Aktiengesellschaft. (See Scheppmann, Wilhelm, assignor.)
Lorenz, C., Aktiengesellschaft. (See Schmidt, Karl, assignor.)
Lorenz, Edward H., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Starter for mechanically-driven machines. 1,790,352; Jan. 27.
Lorenz, Edward H., West Hartford, assignor, by mesne assignments, to Hartford Empire Company, Hartford, Conn. Apparatus for shaping glass. 1,800,191; Apr. 7.
Lorenz, Edward H., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Synchronizing device. 1,801,355; Apr. 21.
Lorenz, Edward H., West Hartford, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass blowing machine. 1,818,725; Aug. 11.
Lorenz, Edward H., West Hartford, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass shaping machine. 1,819,903; Aug. 18.
Lorenz, Edward H., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Leer loader. 1,835,570; Dec. 8.
Lorenz, Edward H., West Hartford, and J. E. Schroder, Hartford, assignors to Hartford-Empire Company, Hartford, Conn. Setting-up mechanism. 1,815,009; July 14.
Lorenz, Ernest, New York, N. Y., assignor to W. Sennhauser, trading as Middlesex Lace and Embroidery Works, South River, N. J. Lace medallion. Des. 83,206; Feb. 3.
Lorenz, Ernst, Berlin-Wilmersdorf, Germany. Excavating device. 1,823,367; Sept. 15.
Lorenz, Frederich A., jr., assignor to American Steel Foundries, Chicago, Ill. Car stake. 1,794,697; Mar. 3.
Lorenz, George K., Clifton, N. J. Comb retaining device. 1,803,026; Apr. 28.
Lorenz, William A., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for feeding molten glass. 1,828,726; Oct. 20.
Lorenzen, Christian, Berlin–Treptow, Germany, assignor to Bendix Aviation Corporation, Chicago, Ill. Gas turbine. 1,827,246; Oct. 13.
Lorenzen, Christian, Berlin, Germany, assignor to Aviation Corporation, Chicago, Ill. Air screw. 1,832,783; Nov. 17.
Lorenzen, Edward, Marshalltown, Iowa. Oat huller. 1,822,741; Sept. 8.
Lorenzen, Henry, Crete, Ill. Window latch. 1,815,787; July 21.
Lorenzen, Julius L., et al. (See Wooley, Ernest G., assignor.)
Lorenzen, Walter F., Day, Calif. Gun sight. 1,834,248; Dec. 1.
Loresch, Harry W., O'Hara Township, Allegheny County, Pa. Burial vault. 1,790,314; Jan. 27.
Lorig, Edwin T., and R. F. Peterson, Gary, Ind., assignors to American Sheet and Tin Plate Company. Conveyer control mechanism. 1,837,053; Dec. 15.
Lorillard, P., Company. (See Dillon, Albert F., assignor.)
Loring, Edward K., Yankton, S. Dak. Roller-bearing boxing for laundry extractors. 1,788,311; Jan. 6.
Lormor, Henry W., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Apparatus for handling storage-battery plates. 1,795,612; Mar. 10.
Lornitzo, Franz, Union City, N. J. Bead threading machine. 1,817,010; Aug. 4.
Lory, George O., Los Angeles, Calif, assignor to O. J. Lafayette Manufacturing Company. Heat insulating hand grip. 1,806,479; May 19.
Losack, John M., Orchard, Tex. Well strainer. 1,805,408; May 12.
Los Angeles Brick Company. (See Larson, Gustaf, assignor.)
Los Angeles Ladder Company. (See Danforth, Louis D., assignor.)
Los Angeles Spring Bed Company, The. (See Moeller, William A., assignor.)
Los Angeles Testing Laboratory. (See Howe, Charles S., assignor.)
Los Angeles Wall Bed Company. (See Cocks, Edgar, assignor.)
Losee, Joseph S., Hebron, Ill. Milk stirring apparatus. 1,831,499; Nov. 10.
Losey, Malcolm S. (See Hall, Charles W., assignor.)
Loske, Frank, Brooklyn, N. Y. Aircraft parachute. 1,826,556; Oct. 6.
Los Seal Corporation, The. (See Behrman, Marcus B., assignor.)
Lossie, Alberta L., Louisville, Ky. Educational chart. 1,803,630; May 5.
Lössl, Carl, Gauting, near Munich, Germany. Rail-fastening means. 1,798,092; Mar. 24.
Losure, Lisander, Van Buren, assignor of one-third to D. E. Boler, Van Vuren, and one-third to H. Pulley, Montpelier, Ind. Heating plant. 1,797,096; Mar. 17.
Loth, William A., Paris, France. Apparatus for performing metallurgical, smelting, and molding operations. 1,839,106; Dec. 29.
Loth, William A., assignor to Société Industrille des Procedes W. A. Loth, Paris, France. Device for determining the direction of flow of a magnetic field. 1,796,295; Mar. 17.
Lothrop, Marcut T., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing removing process. 1,808,469; June 2.
Lotter, Adolph G., assignor to Stationers Loose Leaf Co., Milwaukee, Wis. Locking device for loose-leaf binders. 1,798,478; Mar. 31.
Lotter, Adolph G., assignor to Stationers Loose Leaf Co., Milwaukee, Wis. Loose leaf binder. 1,804,173; May 5.
Lotter, Adolph G., assignor, by mesne assignments to Stationers Loose Leaf Co., Milwaukee, Wis. Loose leaf binder. 1,804,626; May 12.
Lotter, Adolph G., assignor to Stationers Loose Leaf Co., Milwaukee, Wis. Loose leaf binder. 1,810,919; June 23.
Lotter, Adolph G., assignor to Stationers Loose Leaf Co., Milwaukee, Wis. Loose leaf binder. 1,829,363; Oct. 27.
Lotz, Alfred F. C., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Oil switch. 1,790,275; Jan. 27.
Loubet, Henri R., Paris, France, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Montrouge, France. Transformer. 1,808,670; June 2.
Loucks, James F., Cleveland, Ohio, assignor to Detroit Steel Products Company, Detroit, Mich. Building construction. 1,818,634; Aug. 11.
Loucks, James F., Cleveland, Ohio, assignor to Detroit Steel Products Company, Detroit, Mich. Building construction. 1,828,842; Oct. 27.
Loud, Henry S., Syracuse, assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Process and apparatus for utilizing the energy of a liquid under pressure. 1,820,236; Aug. 25.
Louden Machinery Company, The. (See Ellen, Vern G., assignor.)
Loudenslager, Edgar L., assignor, by mesne assignments, of one-half to A. J. Hosler, Toledo, Ohio. Stair tread. 1,789,875; Jan. 20.
Louderback, George B., Compton, Calif. Drilling bit. 1,812,210; June 30.
Loudy, Flavius E., Akron, Ohio. Inverted stick control. 1,829,098; Oct. 27.
Lough, Hector V., assignor to The Hartford Rubber Works Co., Hartford, Conn. Tread shrinking machine. 1,806,811; May 26.
Loughead, Malcolm, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Adjustable stop for brake shoes. 1,792,749; Feb. 17.
Loughead, Malcolm, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Brake mechanism. 1,792,750; Feb. 17.
Loughead, Malcolm, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Hydraulic brake. 1,807,851; June 2.
Loughead, Malcolm, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Fluid operated brake. 1,815,157; July 21.
Loughead, Malcolm, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Attaching fittings to the ends of high pressure hose. 1,825,005; Sept. 29.
Lougheed, Victor, Washington, D. C. Screw propeller. 1,820,814; Aug. 25.
Loughlin, William D. (See Drake, F. H., and Loughlin.)
Loughrey, Carl T., Los Angeles, Calif. Distilling solid material containing combustible carbonaceous material. 1,824,282; Sept. 22.
Loughridge, Matthew H. (See Everett, E. A., and Loughridge.)
Loughridge, Matthew H. (See Scharnagel H., and Loughridge.)
Loughridge, Matthew H., Bogota, N. J. Braking system. 1,805,551; May 19.
Loughridge, Matthew H., Bogota, N. J. Speed control system and apparatus. 1,807,596; June 2.
Loughridge, Matthew H., Bogota, N. J. Railway tie and rail fastening. 1,813,941; July 14.
Loughridge, Matthew H., Bogota, N. J. System and apparatus for the electric recording and reproducing of sound. 1,822,932; Sept. 15.
Loughridge, Matthew H., Bogota, N. J. Railway and other vehicles. 1,834,411; Dec. 1.
Loughridge, Matthew H., Bogota, N. J. Outlet for electrical conductors. 1,836,480; Dec. 15.
Loughridge, Matthew H., Bogota, N. J., assignor to H. W. Dyer, New York, N. Y. Vending machine. 1,799,755; Apr. 7.
Loughridge, Matthew H., trustee. (See Holliday, John S., assignor.)
Louis Allis Company, The. (See Barr, John M., assignor.)
Louis, Terrence G., assignor to Wico Electric Company, West Springfield, Mass. Magneto. 1,827,323; Oct. 13.
Louisiana Pine Products Company. (See Fairley, Taliaferro J., assignor.)
Louisville Cement Company. (See Wechter, Eugene J., assignor.)
Louisville Electric Manufacturing Company. (See McFerran, John B., jr., assignor.)
Louisville Frog, Switch & Signal Company. (See Delmanhorst, Herman F., assignor.)
Louisville Frog, Switch & Signal Company. (See Drillette, James S., assignor.)
Louisville Frog, Switch & Signal Company. (See Zehnder, Louis R., assignor.)
Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,800,549; Apr. 14.

Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Door construction. 1,809,857; June 16.
Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,812,101; June 30.
Louque, Charles. (See Bucnel, Jules, assignor.)
Lourens, Cornelis, assignor to General Norit Company, Limited, Amsterdam, Netherlands. Treating active carbons for increasing their adsorbing efficiency. 1,788,466; Jan. 13.
Louthian, Paul J., Hutchinson, Kans. Hanger for supporting strips of bacon. 1,825,879; Oct. 6.
Louvier, Alexander, et al. (See Louvier, Marius L., assignor.)
Louvier, Marius L., assignor of twenty-three and three-fourths per cent to S. Louvier, twenty-three and three-fourths per cent to A. Louvier and five per cent to X. Christ, Port Arthur, Tex. Boat propelling unit. 1,823,109; Sept. 15.
Louvier, Sully, et al. (See Louvier, Marius L., assignor.)
Love Brothers Incorporated. (See Sanderson, Arthur K., assignor.)
Love, Francis B., and B. H. Smith, assignors to The Autocall Company, Shelby, Ohio. Elapsed time indicator. 1,830,553; Nov. 3.
Love, Joseph E., Schenectady, N. Y., assignor to General Electric Company. Antenna regulator. 1,819,904; Aug. 18.
Love, S. A. (See Dove, Fred, assignor.)
Lovejoy, Ralph M., Boston, Mass. Drilling machine and machine for other purposes. 1,799,594; Apr. 7.
Lovejoy, Ralph M., Boston, Mass. Drilling machine and machine for other purposes. 1,799,595; Apr. 7.
Lovejoy, Ralph M., Boston, Mass. Vehicle spring construction. 1,802,028; Apr. 21.
Lovejoy, Ralph M., Boston, Mass. Vehicle frame construction. 1,817,633; Aug. 4.
Lovekin, Luther D., Wynnewood, assignor to Kitson Company, Philadelphia, Pa. Automatic gas-shut-off valve. 1,794,191; Feb. 24.
Lovekin, Luther D., Wynnewood, assignor to Kitson Company, Philadelphia, Pa. Valve controlling means. 1,828,424; Oct. 20.
Lovekin, Luther D., Wynnewood, assignor to Kitson Company, Philadelphia, Pa. Thermostatic cut-off valve. 1,835,413; Dec. 8.
Lovelace, Cleo. (See Foshay, A., and Lovelace.)
Loveland, Lawrence R., Washington, D. C. Aeroplane. 1,801,356; Apr. 21.
Loveland, S. C. (See Kirkbride, Edmund, assignor.)
Loveless, Fred, Griggsville, Ill. Fence wire crimper. 1,824,219; Sept. 22.
Lovell, John G., Spokane, Wash. Body frame. 1,828,743; Oct. 27.
Lovell Manufacturing Company. (See Kauffman, Walter L., 2d, assignor.)
Lovell Manufacturng Company. (See Robertson, William, assignor.)
Lovell Manufacturing Company. (See Schuda, Ernest J., assignor.)
Lovell Manufacturing Company. (See Thompson, Horace W., assignor.)
Lovell, Wheeler G., and T. A. Boyd, assignors to General Motor Research Corporation, Detroit, Mich. Removing carbon deposits. 1,787,789; Jan. 6.
Lovell, Wheeler G., and T. A. Boyd, assignors to General Motors Research Corporation, Detroit, Mich. Removing carbon deposits. 1,820,395; Aug. 25.
Lovell, Wheeler G., and T. A. Boyd, assignors to General Motors Research Corporation, Detroit, Mich. Removing carbon deposits. 1,825,358; Sept. 29.
Lovell, Wheeler G., and T. A. Boyd, assignors to General Motors Research Corporation, Detroit, Mich. Removing carbon deposits. 1,833,429; Nov. 24.
Lovely, John E., Springfield, assignor to Jones & Lamson Machine Company, Springfield, Vt. Driving fixture. 1,838,692; Dec. 29.
Loven, Otto E., Forest Park, Ill. Spring roller curtain. 1,807,161; May 26.
Lovenston, Hans J., Detroit, Mich. Sine bar fixture. 1,826,802; Oct. 13.
Lovett, Charles W. (See Brown, Samuel G., assignor.)
Lovett, Daniel M., Trenton, N. J. Cleaning device. 1,829,287; Oct. 27.
Lovett, Hopson P., Columbia, S. C. Loom cam shaft bearing lifter and supporter. 1,815,789; July 21.
Lovett, James A. B., Pittsburgh, Pa., assignor to The Koppers Company. Pusher ram for coke ovens. 1,830,951; Nov. 10.
Lovett, William J., Bangor, Ireland. Hatch cover for ships. 1,795,786; Mar. 10.
Lovgren, Carl, Evanston, Ill. Fountain pen. 1,835,069; Dec. 8.
Loving, Harry E., assignor of one-half to J. Golomb, Baltimore, Md. Electrical toy. 1,810,250; June 16.
Low, Charles L., assignor to Lisenby Manufacturing Company, Fresno, Calif. Continuous-feed mechanism for printing presses. 1,790,936; Feb. 3.
Low, Charles L., assignor to Lisenby Manufacturing Company, Fresno, Calif. Automatic paper feeding mechanism for printing presses. 1,820,469; Aug. 25.
Low, Charles L., assignor to Lisenby Manufacturing Company, Fresno, Calif. Gripper motion for cylinder printing presses. 1,820,470; Aug. 25.
Low, David, Lyndhurst, N. J., assignor to The Patent and Licensing Corporation, Boston, Mass. Apparatus for saturating sheet material. 1,830,741; Nov. 3.
Low, Emile R., Buffalo, N. Y., assignor, by mesne assignments, to Certain-teed Products Corporation. Roofing manufacture. 1,833,651; Nov. 24.
Low, Frank S., et al. (See Berresford, John K., assignor.)
Low, Frank S., et al. (See Low, Frank S., assignor.)
Low, Frank S., et al. (See Low, F. S., Taylor, and Berresford, assignors.)
Low, Frank S., assignor, by mesne assignments, to F. S. Low, Niagara Falls, N. Y., and A. W. Berresford, Detroit, Mich. Chlorination of ferrochrome. 1,814,393; July 14.
Low, Frank S., M. C. Taylor, and J. K. Berresford, assignors, by mesne assignments, to F. S. Low, Niagara Falls, N. Y., and A. W. Berresford, Detroit, Mich. Chlorination of ferrochrome. 1,814,392; July 14.
Low Temperature Carbonisation Limited. (See Parker, Jack F., assignor.)
Lowder, Vander B., Concord, N. C. Automatic stop mechanism. 1,794,081; Feb. 24.
Lowder, Vander B., Concord, N. C. Automatic stop for electrically-driven machines. 1,794,082; Feb. 24.
Lowe, Charles B., assignor to Ferro Stamping & Mfg. Company, Detroit, Mich. Door-latch mechanism. 1,791,872; Feb. 10.
Lowe, Charles B., assignor to The Ferro Stamping Manufacturing Company, Detroit, Mich. Automobile door handle. 1,808,048; June 2.
Lowe, Charles B., assignor to Ferro Stamping Company, Detroit, Mich. Latch mechanism. 1,837,560; Dec. 22.
Lowe, Cloyd A., Dayton, Ohio. Antiskid appliance for vehicle wheels. 1,793,944; Feb. 24.
Lowe, John E., Crystal Springs, Miss. Animal poke. 1,831,183; Nov. 10.
Lowe, Joseph A., assignor to Falulah Paper Company, Fitchburg, Mass. Paper. 1,818,726; Aug. 11.
Lowe, Joseph A., assignor to Falulah Paper Company, Fitchburg, Mass. Paper. 1,826,557; Oct. 6.
Lowe Machinery Company, The. (See Lowe, Thomas L., assignor.)
Lowe, Russell E. (See Morgan, J. D., Bjorkstedt, and Lowe.)
Lowe, Russell E., assignor to Doherty Research Company, New York, N. Y. Protective coating (alborizing). 1,817,888; Aug. 4.
Lowe, Sherwin P. (See Phelan, R. E., Lowe, Clampitt, Koenig, and Fischer.)
Lowe, Thomas L., Devon, assignor to The Lowe Machinery Company, Bridgeport, Conn. Apparatus for laundering. 1,838,559; Dec. 29.
Lowe, William, Council, Idaho. Telescopic tree pruner. 1,789,824; Jan. 20.
Lowell Manufacturing Company. (See Gehrlein, Vincent, assignor.)
Lowell, Percival D. (See Grebe, A. H., and Lowell.)
Lowell, Percival D., Jamaica, N. Y. Inductance coil. 1,824,726; Sept. 22.
Lowell, Percival D., Jamaica, assignor to A. H. Grebe & Co., Inc., Richmond Hill, N. Y. Radio receiving apparatus. 1,813,180; July 7.
Lowell Specialty Company. (See Wisner, Otto, assignor.)
Lowen, Charles J., Denver, Colo. Apparatus for increasing circulation of the scalp. 1,821,979; Sept. 8.
Lowenbaum, R. Mfg. & Co. (See Lowenbaum, Ralph, jr., assignor.)
Lowenbaum, Ralph, jr., assignor to R. Lowenbaum Mfg. & Co., St. Louis, Mo. Woman's wearing apparel. 1,794,307; Feb 24.
Lowenstein, Gabriel, New York, assignor to Fred Fear & Co., Brooklyn, N. Y. Easel. Des. 83,738; Mar. 24.
Lowenstein, Gothard, Brooklyn, N. Y. Traveling turntable equipment for garages. 1,807,597; June 2.
Lowenstein, Gothard, Brooklyn, N. Y. Traveling turntable. 1,816,685; July 28.
Lowenstein, Herman H., assignor to Regensteiner Corporation, Chicago, Ill. Advertising novelty. 1,794,466; Mar. 3.
Löwenstein, Karl P. zu, Berlin, Germany. Device for supplying fuel to internal-combustion engines. 1,795,369; Mar. 10.
Lowenthal, Arthur M., Rochester, assignor to Max Lowenthal & Sons. Sweater. 1,802,029; Apr. 21.
Lowenthal, Arthur M., Rochester, N. Y., assignor to Max Lowenthal & Sons. Headwear. 1,804,356; May 5.
Lowenthal, Mark, Newark, N. J. Meat tenderer. 1,810,719; June 16.
Lowenthal, Max, & Sons. (See Lowenthal, Arthur M., assignor.)
Lower, Melvin S., assignor to The Sun Rubber Company, Barberton, Ohio. Making bathing caps or the like. 1,794,192; Feb. 24.
Lower, Melvin S., assignor to The Sun Rubber Company, Barberton, Ohio. Pin and clip tray. 1,805,045; May 12.
Lower, Melvin S., Barberton, Ohio, assignor to The Sun Rubber Company. Desk pad and pocket piece therefor. 1,813,501; July 7.
Lower, Nathan M. (See Lippert, Henry E., assignor.)
Lower, Nathan M., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Locomotive stoker. 1,796,798; Mar. 17.

Lower, Nathan M., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,796,849; Mar. 17.
Lower, Nathan M., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,796,850; Mar. 17.
Lower, Nathan M., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,809,903; June 16.
Lower, Nathan M., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc. New York, N. Y. Stoker mechanism. 1,809,904; June 16.
Lower, Nathan M., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,825,152; Sept. 29.
Lower, Nathan M., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,828,116; Oct. 20.
Lower, Nathan M., Baltimore, Md., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Stoker mechanism. 1,801,776; Apr. 21.
Lower, Nathan M., Baltimore, Md., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Stoker mechanism. 1,833,327; Nov. 24.
Lower, Nathan M., A. R. Chalker, and P. A. Ketchpel, Pittsburgh, Pa., assignors, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,801,561; Apr. 21.
Lower, Nathan M., A. K. Kusebauch, and A. R. Chalker, Pittsburgh, Pa., assignors, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,801,777; Apr. 21.
Lower, William W. (See Marx, J. A., and Lower.)
Lowery, Gilbert B., assignor of one-half to M. Johnson, Coeur d'Alene, Idaho. Hose washer. 1,790,756; Feb. 3.
Lowery, Hugh, and R. S. Lane, Wood River, Ill., assignors to Standard Oil Company, Whiting, Ind. Decolorizing hydrocarbon oils. 1,813,628; July 7.
Lowery, William, Hammond, Ind., assignor, by mesne assignments, to Pittsburgh Screw & Bolt Corporation, Pittsburgh, Pa. Chuck for axle turning lathes. 1,835,166; Dec. 8.
Lowitz, Martin, New York, N. Y. Vegetable or fruit slicer or the like article. Des. 85,385; Oct. 20.
Lowkrantz, Gunne, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Light control for printers. 1,803,398; May 5.
Lowman, Eugene A., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,815,948; July 28.
Lowman Folding Box Corporation. (See Lowman, Melle E., assignor.)
Lowman, Maurice, assignor of one-fourth to D. A. Davis, Birmingham, Mich. Aeroplane. 1,834,465; Dec. 1.
Lowman, Melle E., assignor to Lowman Folding Box Corporation, Syracuse, N. Y. Folding box. 1,815,788; July 21.
Lown, Andrew M., and T. E. Williams, Poughkeepsie, N. Y. Leg shield. 1,801,437; Apr. 21.
Lown, Harry O., San Angelo, Tex. Gang plow. 1,814,003. July 14.
Lown, Walter J. H. (See Phillips, Ezra A., assignor.)
Lowrey, George A., Pelly, and W. F. Hall, Goose Creek, Tex. Casing cutter. 1,788,579; Jan. 13.
Lowrey, George A., Pelly, and W. F. Hall, Goose Creek, Tex. Spear. 1,805,828; May 19.
Lowry, George A., New York, N. Y., assignor, by mesne assignments, to Fibre Process & Equipment Corporation, Wilmington, Del. Obtaining spinning fibre from unretted plant stalks and article obtained thereby. 1,837,228; Dec. 22.
Lowry, Julius C., Detroit, Mich. Lighting fixture. Des. 84,251; May 26.
Lowry, Lorene, administratrix. (See Lowry, Samuel D.)
Lowry, Millard F. (See Smellie, D. G., Lowry, and Becker.)
Lowry, Samuel D., deceased, Elizabeth, N. J.; L. Lowry administratrix. Individual butter cutting machine. 1,826,519; Oct. 6.
Lowther, William P., Merced, Calif. Valve stem guide. 1,826,148; Oct. 6.
Löw-Vogel, Hirsch, Vienna, Austria. Writing machine. 1,802,921; Apr. 28.
Lowy, Alexander. (See Young, J. W., Lowy, and Reynolds.)
Lox Seal Corporation, The. (See Kondolf, Mathias R., assignor.)
Loyd, Alvah W., Washington, Pa. Radiator. 1,787,913; Jan. 6.
Loye, Donald P., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Protective device. 1,799,174; Apr. 7.
Loyte, William H., Swampscott, Mass. Electrically operated key container. 1,817,752; Aug. 4.
Lozier, William V., assignor to The Willys-Morrow Company, Elmira, N. Y. Making trimming dies. 1,792,994; Feb. 17.
Lozowsky, Julius J., Philadelphia, Pa. Bottle-sterilizing apparatus. 1,789,684; Jan. 20.
Lua, Makahiwa K., Honolulu, Hawaii. Pin fastening. 1,799,052; Mar. 31.
Luard, William B. (See Addison, H., and Luard.)
Lubberger, Fritz. (See Siede, M., and Lubberger.)
Lübeck, Carl H. O., Stockholm, Sweden. Electrode for electric accumulators and manufacturing same. 1,802,435; Apr. 28.
Lubecker Maschinenbau-Gesellschaft. (See Lange, Adolf, assignor.)
Lubell, Abraham P., New York, N. Y. Detachable tape adjuster for pajamas. 1,826,803; Oct. 13.
Lubich, Max, Ebersbach, assignor to the firm L. Schuler A.-G., Goppingen, Wurttemberg, Germany. Adjustable eccentric. 1,787,691; Jan. 6.
Lubin, Casper J., San Francisco, Calif. Coat. 1,821,225; Sept. 1.
Lubowsky, Simon J., Jersey City, N. J. Making titanium dioxide. 1,793,501; Feb. 24.
Lubretor Company, The. (See Piper, Earle C., assignor.)
Lubricating Equipment Company, The. (See Hann, William E., assignor.)
Lubrication Corporation, The. (See Herlihy, Theodore E., assignor.)
Lubrication Corporation, The. (See Lea, Charles, assignor.)
Lubrication Devices, Incorporated. (See Hallerberg, Theodore W., assignor.)
Lubrication Devices, Incorporation. (See Hawks, William K., assignor.)
Lubri-Graph Corporation. (See James, Thomas W., assignor.)
Lubs, Herbert A., and J. G. Dinwiddie, Penns Grove, N. J., assignors to E. I. du Pont, de Nemours & Company, Wilmington, Del. Indigoid violet vat dyestuffs. 1,792,648; Feb. 17.
Lubs, Herbert A., Penns Grove, N. J., and A. L. Fox, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Concentrating ores by flotation. 1,839,155; Dec. 29.
Lucarelle, Joseph M. (See Bodine, A. V., and Lucarelle.)
Lucarelle, Joseph M., assignor to Dictaphone Corporation, Bridgeport, Conn. Shaver guard. 1,837,167; Dec. 15.
Lucas, Anthony F. G., Washington, D. C. Chair. Des. 83,261; Feb. 10.
Lucas, Anthony F. G., Washington, D. C. Table. Des. 83,330; Feb. 17.
Lucas, Earl S., Avoca, Iowa, assignor of one-half to F. J. Moran, Omaha, Nebr. Shoulder leveling and finishing machine. 1,821,843; Sept. 1.
Lucas, George D., assignor of one-half to L. H. Robertson, Abingdon, Ill. Garden cultivator. 1,835,414; Dec. 8.
Lucas, George J. (See Wheary, J. R., and Lucas.)
Lucas, George M. C., Kenmore, assignor to Wickwire Spencer Steel Company, C. L. Feldman and E. C. Bowers, receivers, Tonawanda, N. Y. Illuminated fence. 1,794,467; Mar. 3.
Lucas, George P., jr. (See Wilhelm, E., and Lucas, assignors.)
Lucas, Henry M., assignor to The Lucas Machine Tool Company, Cleveland, Ohio. Metal working machine. 1,813,355; July 7.
Lucas, Jonathan, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y. Bobbin-changing mechanism. 1,794,024; Feb. 24.
Lucas, Jonathan, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y. Automatic switch cam. 1,814,757; July 14.
Lucas-Lamborn Loom Corporation. (See Lucas, Jonathan, assignor.)
Lucas Machine Tool Company, The. (See Lucas, Henry M., assignor.)
Lucas, Mary T., Whitestone, N. Y. Fastener for intimate body garments. 1,826,623; Oct. 6.
Lucas, Orville W., Wallingford, assignor to International Silver Company, Meriden, Conn. Spoon or similar article. Des. 83,207; Feb. 3.
Lucas, Richard. (See Mittasch, A., Lucas, and Griessbach.)
Lucas, William B., East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Position indicator. 1,803,119; Apr. 28.
Lucas, William B., East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Flash light annunciator. 1,835,508; Dec. 8.
Luce, Grafton E., Chicago, Ill. Shelf structure. 1,836,126; Dec. 15.
Luce, Grafton E., Chicago, Ill., and F. G. Senter, Reelsville, Ind., assignors to Lancaster Iron Works, Inc., Lancaster, Pa. Brick setter. 1,794,698; Mar. 3.
Luce, Grafton E., Chicago, Ill., and T. B. Huestis, Greencastle, Ind., assignors to Lancaster Iron Works, Inc., Lancaster, Pa. Brick and pallet centering device. 1,820,471; Aug. 25.
Luce, Hans, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik Sömmerda Aktiengesellschaft, Sommerda, Germany. Setting type bodies. 1,789,009; Jan. 13.
Luce, Hans, Sommerda, Thuringia, assignor to Firm Rheinische Metallwaaren-und Maschinenfabrik Sömmerda Aktiengesellschaft, Sommerda, Germany. Typewriting and similar machine. 1,792,105; Feb. 10.
Luce, Richard W. (See Oestnaes, V. L., and Luce.)
Luce, Richard W., Maplewood, assignor to American Gas-accumulator Company, Elizabeth, N. J. Traffic signal reflector. 1,838,693; Dec. 29.

Luce, Richard W., Mountainside, and L. M. Merrill, Madison, assignors to American Gasaccumulator Company, Elizabeth, N. J. Making light reflectors. 1,837,720; Dec. 22.
Luce, Wilhelm. (See Hoffa, E., and Luce.)
Luce, William D., assignor of one-half to J. E. Dube, Haverhill, Mass. Automatic damper. 1,807,066; May 26.
Lucey Manufacturing Corporation. (See Attridge, Oliver H., assignor.)
Luchansky, Andrew J., Bridgeport, Conn. Handle light. 1,836,034; Dec. 15.
Lucht, Otto E., Milwaukee, Wis. Cooky holder. 1,787,829; Jan. 6.
Lucia, Louis V. (See Wolcott, F. E., and Lucia.)
Lucia, Louis V., Hartford, Conn.; assignor, by mesne assignments, to Beardsley & Wolcott Mfg. Co. Electrical cigar lighter. 1,819,610; Aug. 18.
Lucian, Arsene N., Philadelphia, Pa. Heater construction for cathodes. 1,797,990; Mar. 24.
Lucius, Albin A., South Orange, assignor to The Central Stamping Company, Newark, N. J. Watering can for filling automobile radiators. 1,823,276; Sept. 15.
Lucka, Louis O., Champaign, and J. W. Easley, Decatur, Ill. Vehicle direction signal. 1,827,851; Oct. 20.
Lucke, Adam J., Gooding, Idaho. Automobile trailer. 1,811,798; June 23.
Lucke, Charles E., New York, N. Y., assignor, by mesne assignments, to Fuller Lehigh Company. Gas producer and steam boiler. 1,802,475; Apr. 28.
Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam cleaning device. 1,811,399; June 23.
Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Single circuit water tube boiler. 1,828,814; Oct. 27.
Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Double circuit forced circulation water tube boiler. 1,828,870; Oct. 27.
Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat exchanger. 1,833,166; Nov. 24.
Luckenbach, Royer, Brooklyn, N. Y. Selective agent for concentrating ores. 1,792,544; Feb. 17.
Luckenbach, Royer, Brooklyn, N. Y. Amalgamator. 1,807,162; May 26.
Luckenbach, Royer, Brooklyn, N. Y. Concentrating ores. 1,830,908; Nov. 10.
Luckenbach, Royer, Brooklyn, N. Y., assignor of one-tenth to W. A. Hughes, Newark, N. J. Method and material for minerals separation. 1,830,909; Nov. 10.
Lucker, Millard B., Benton Harbor, Mich., assignor to Auto Specialties Mfg. Co., San Francisco, Calif. Lifting jack. 1,794,525; Mar. 3.
Luckett, William S., New York, N. Y. Cigarette package. 1,794,631; Mar. 3.
Luckett, William S., New York, N. Y. Cigarette package. 1,794,632; Mar. 3.
Luckett, William S., assignor to The American Tobacco Company, New York, N. Y. Telescopically collapsible box. 1,827,396; Oct. 13.
Luckett, William S., assignor to The American Tobacco Company, New York, N. Y. Tobacco package. 1,837,784; Dec. 22.
Luckey, George P., Lancaster, Pa. Pressure gauge. 1,804,698; May 12.
Lucking, Thomas M. (See Walker, George C., assignor.)
Luckow, Elmer R., assignor to A. B. Wrisley Co., Chicago, Ill. Soap frame. 1,817,157; Aug. 4.
Lucomlin, Morris, New York, N. Y. Costume jewelry clasp. Des. 84,787; Aug. 4.
Lucy, Thomas A., Birmingham, Ala. Building construction. 1,815,065; July 21.
Lucy, Thomas A., assignor to Ingalls Steel Products Company, Birmingham, Ala. Bar joist. 1,791,278; Feb. 3.
Lucy, Thomas A., assignor to Ingalls Steel Products Company, Birmingham, Ala. Apparatus for the manufacture of welded structures. 1,823,551; Sept. 15.
Lüdecke, Karl, Berlin-Dahlem, Germany. Production of trimethylamineglycol monoborate. 1,788,680; Jan. 13.
Lüddecke, Karl, Berlin-Siemensstadt, assignor to Vereinigte Eisenbahn-Signalwerke, Gesellschaft mit beschrankter Haftung, Siemensstadt, near Berlin, Germany. Electric train control equipment. 1,836,330; Dec. 15.
Luders, Alfred E., Stamford, Conn. Sail. 1,792,106; Feb. 10.
Lüderswerk G. m. b. H. (See Slupinski, Gustav, assignor.)
Ludington, Charles T. (See Bartow, John B., assignor.)
Ludlam, Charles. (See Hoffmeier, Gottlieb, assignor.)
Ludlow, Israel, assignor of one-half to A. E. Lamb, New York, N. Y. Loud speaker device. 1,819,183; Aug. 18.
Ludlow, John H. (See Davis, N. R., Marchbanks, and Ludlow.)
Ludlow Manufacturing Associates. (See Evans, Walter W., assignor.)
Ludlow Typograph Company. (See Hedly, Arthur H., assignor.)
Ludlow Typograph Company. (See Robinson, L. W., and Jones, assignors.)
Ludlow Valve Manufacturing Company, The. (See Lolley, William H., assignor.)
Ludlum Steel Company. (See Armstrong, Percy A. E., assignor.)
Ludlum Steel Company. (See Armstrong, P. A. E., and de Vries, assignors.)
Ludlum Steel Company. (See De Vries, Ralph P., assignor.)
Ludquist, Joel D., and J. Buxbaum, Brooklyn, assignors to Capitol Hat Block Co., Inc., New York, N. Y. Hat block. 1,834,720; Dec. 1.
Ludowici, Wilhelm, Munich, Germany. Self-discharging wagon. 1,812,539; June 30.
Ludwick, Harlan M., Parkesburg, assignor to Keystone Lubricating Company, Philadelphia, Pa. Lubricator. 1,806,545; May 19.
Ludwig, Abraham, Detroit, Mich. Portable power operated hammer. 1,820,081; Aug. 25.
Ludwig, Curt. (See Kreher, Max, assignor.)
Ludwig, Frederick W., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Bracing for freight. 1,803,761; May 5.
Ludwig, George J. (See Bauer, R., and Ludwig.)
Ludwig, Hans. (See Herlach, F., and Ludwig.)
Ludwig, Hans, Homburg vor der Hohe, assignor of one-half to Stempelwerk Gesellschaft mit beschrankter Haftung, Fechenheim-Frankfort-on-the-Main, Germany. Shock absorber. 1,823,835; Sept. 15.
Ludwig, John J., Carpenter, S. Dak. Engine cooling system cleaner. 1,804,536; May 12.
Ludwig, Leon R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. High-frequency circuit-breaker control. 1,794,970; Mar. 3.
Ludwig, Leon R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective relay system. 1,794,971; Mar. 3.
Ludwig, Leon R., Wilkinsburg Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective system. 1,798,690; Mar. 31.
Ludwig, Leon R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transient relay presetting device. 1,831,019; Nov. 10.
Ludwig, Leon R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. High-frequency supply protective system. 1,831,420; Nov. 10.
Ludwig, Louis, Brooklyn, N. Y. Manufacturing two-way electric sockets. 1,799,596; Apr. 7.
Ludwig, Louis, Philadelphia, Pa. Shuttle and bobbin. 1,830,612; Nov. 3.
Ludwig, Oskar R., Gary, Ind. Fin radiator. 1,818,727; Aug. 11.
Ludwig, Willi, Hochst-on-the-Main, and O. Schaumann, Wiesbaden, Germany, assignors to Winthrop Chemical Company Inc., New York, N. Y. Physiologically active extracts and preparing the same. 1,836,857; Dec. 15.
Ludwig, William F., Chicago, Ill. Snare drum. 1,832,227; Nov. 17.
Ludwigson, Ernest E., New Britain, Conn. Price tag. 1,799,756; Apr. 7.
Luebben, Melchior L., assignor to Super Stropper Manufacturing Company, Los Angeles, Calif. Stropper. 1,795,654; Mar. 10.
Lueck, Arthur W. (See Hughes, Richard C., assignor.)
Luedtke, Charles E., Minneapolis, assignor of one-half to F. Skyhawk, Stewardville, Minn. Shears with detachable blades. 1,822,050; Sept. 8.
Luedtke, Max A. G., Weehawken, N. J., and H. Hoffmann, New York, N. Y. Embossing machine. 1,823,110; Sept. 15.
Luehrman, Alfred D. (See Meehan, Francis X., assignor.)
Luek, Harry W., and A. C. Krueger, Pardeeville, Wis. Milk can ventilating cover. 1,838,424; Dec. 29.
Luellen, Lawrence W. (See Lyons, James, jr., assignor.)
Luellen, Lawrence W., Mountain Lakes, N. J. Conical drinking cup. 1,809,281; June 9.
Luelloff, Henry L., Milwaukee, Wis. Fishing apparatus. 1,819,034; Aug. 18.
Luening, Eugene G., Louisville, Ky., assignor, by mesne assignments, to Air Reduction Company, New York, N. Y. Process and apparatus for storing acetylene. 1,808,900; June 9.
Luers, John M., Detroit, Mich. Tool. 1,815,518; July 21.
Luers, John M., Detroit, Mich. Forming tool holder and cutter therefor. 1,835,958; Dec. 8.
Luery, Michael, Chicago, Ill. Garment. 1,821,185; Sept. 1.
Lueters, William G., Cleveland, Ohio. Door holder. 1,798,264; Mar. 31.
Luettringhaus, Arthur, Mannheim, H. Neresheimer, Ludwigshafen-on-the-Rhine, and H. J. Emmer, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation products of the benzanthrone series. 1,818,074; Aug. 11.
Luettringhaus, Arthur, Mannheim, H. Neresheimer, Ludwigshafen-on-the-Rhine, and W. Eichholz, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation products and vat dyestuffs of the zenzanthrone series. 1,818,075; Aug. 11.
Luettringhaus, Arthur, Mannheim, H. Neresheimer, Ludwigshafen-on-the-Rhine, and H. J. Emmer, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Derivatives of benzanthrone. 1,818,076; Aug. 11.
Luff, Henry J. and W. J., Cleveland Heights, Ohio; said Henry J. Luff assignor to said W. J. Luff. Combination fitting. 1,830,517; Nov. 3.
Luff, Willard J. (See Luff, H. J. and W. J.)
Luff, Willard J., Cleveland Heights, Ohio. Trap. 1,790,587; Jan. 27.

Luff, Willard J., Cleveland, Ohio. Trap. 1,819,253; Aug. 18.
Luff, Willard J., Cleveland Heights, Ohio. Floor drain. 1,830,065; Nov. 3.
Luffman, Thomas F., New York, N. Y. Soffit clip. 1,801,015; Apr. 14.
Lufkin Foundry & Machine Company. (See Graham, Fred, assignor.)
Lufkin Rule Company. (See Witchger, Eugene J., assignor.)
Luft, Arthur, Lynbrook, N. Y. Garment leg. 1,801,562; Apr. 21.
Luftschiffbau Zeppelin G. m. b. H. (See Strobl, Hans, assignor.)
Luftschiffbau Zeppelin Gesellschaft mit beschrankter Haftung. (See Sturm, Fritz, assignor.)
Luginbuhl, Elias, Norwood, Ohio. Roof framing tool. 1,821,103; Sept. 1.
Luhn, Hans P., assignor to Berkshire Knitting Mills, Wyomissing, Pa. Ornamented flat-knitted stocking. 1,789,555; Jan. 20.
Luhn, Hans P., Reading, assignor to Textile Machine Works, Wyomissing, Pa. Measuring and examining device. 1,831,536; Nov. 10.
Lühr, Wilhelm, Halle, Germany, assignor to General Electric Company. System for transmitting motion. 1,817,753; Aug. 4.
Luhrs, Henry E., Shippensburg, Pa. Mannikin. 1,809,635; June 9.
Luhrs, Henry E., assignor to The Beistle Company, Shippensburg, Pa. Folding ornament of expansible tissue. 1,809,593; June 9.
Luis, Caesar G., London, England. Explosive. 1,820,000; Aug. 18.
Luis, Vincente, Algiers, La. Electric motor. 1,792,022; Feb. 10.
Luisi, Nicola, Auburn, N. Y. Hinged-pipe connection. 1,791,418; Feb. 3.
Luitwieler, Samuel W., Los Angeles, Calif. Compressor. 1,818,413; Aug. 11.
Lukachovic, Joseph C. (See Bushnell, J. E., and Lukachovic.)
Lukas, John G., Bayonne, N. J. Adjustable price indicator. 1,812,159; June 30.
Luke, Charles E., assignor to Jersey Cereal Company, Irwin, Pa. Cereal food and making the same. 1,832,813; Nov. 17.
Luke, Edwin H., et al. (See Dietz, Frank L., assignor.)
Luke, Judge R. (See Clark, Andrew B.)
Luke, Roscoe. (See Clark, Andrew B., assignor.)
Lukenbill, Emery D., Indianapolis, Ind. Sanitary pouring cap. 1,804,627; May 12.
Lukens, Hiram S., assignor to Solidon Products, Inc., Philadelphia, Pa. Magnesium oxychloride mixture and making the same. 1,811,799; June 23.
Lukens, Hiram S., and N. H. Smith, assignor to Solidon Products, Inc., Philadelphia, Pa. Plastic magnesia mixtures. 1,838,147; Dec. 29.
Lukens, Morris R., Chicago, Ill. Educational toy. Des. 85,662; Dec. 1.
Lukens, Randolph E., Syracuse, N. Y., assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. Des. 83,686; Mar. 17.
Lukens Steel Company. (See Speckman, George D., assignor.)
Luker, Armer P., Philadelphia, Pa., assignor to Victor Talking Machine Company. One-hand lid support. 1,796,552; Mar. 17.
Lukes, Michael W. (See Lamoureux, N., and Lukes.)
Lukomski, John B., Detroit, Mich. Core box. 1,795,370; Mar. 10.
Lukomski, John B., Detroit, Mich. Radiator. 1,810,973; June 23.
Lum, George F., Detroit, Mich. Fire hose nozzle. 1,823,277; Sept. 15.
Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wall mounting for a hand telephone. Des. 85,107; Sept. 15.
Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Audiphone. Des. 85,617; Nov. 24.
Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for vacuum tubes. 1,822,535; Sept. 8.
Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Headset. 1,835,792; Dec. 8.
Lumb, Henry T., Poughkeepsie, N. Y. Lumber return attachment for saw tables. 1,803,857; May 5.
Lumbard, Henry G., Auburn, Me. Making turned shoes. 1,789,046; Jan. 13.
Lumbard, Henry G., Auburn, Me. Tempering shoe uppers. 1,825,191; Sept. 29.
Lumiere, Louis, Lyon, France. Talking machine. 1,795,371; Mar. 10.
Lumière, Louis, Neuilly-sur-Seine, France. Acoustic diaphragm made of warped elementary surfaces with parallel edges. 1,796,335; Mar. 17.
Lumley, Frederick G., Chicago, Ill. Window ventilator. 1,813,629; July 7.
Lumley, Maurice, assignor to The F. H. Lawson Company, Cincinnati, Ohio. Wall cabinet. 1,810,362; June 16.
Lumley, Maurice, Cincinnati, assignor to The Huffman Manufacturing Company, Dayton, Ohio. Liquid measuring receptacle. 1,822,703; Sept. 8.
Lummerzheim, Hermann, Dessau-Ziebigk, and E. Schnitzler, Dessau in Anheim, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Photographic film with visible reproducible inscriptions. 1,828,974; Oct. 27.
Lummus, Walter E. (See Coubrough, George B., assignor.)
Lumpkin, Edwin K., Athens, Ga. Seat warmer. 1,839,156; Dec 29.
Lumpkin, Frank K., Bellaire, Kans. Printing gum tape machine. 1,837,622; Dec. 22.
Lumsden, William F. (See De Vorse, E. C., and Lumsden.)
Lunati, Peter J., Memphis, Tenn. Chock. 1,803,942; May 5.
Lund, Arthur D., Minneapolis, Minn., assignor to Alcet Electro-Products Corporation, New York, N. Y. Grid casting machine. 1,811,143; June 23.
Lund, Charles W., Willows, Calif. Tonsil removing instrument. 1,837,277; Dec. 22.
Lund, Christopher H. H., Steinkjer, assignor to A/S Hoeleng, Tronohjem, Norway. Combined drill transport and connecting trolley. 1,794,083; Feb. 24.
Lund, Harold M., Dilworth, Minn. Automatic wedge to adjust slack between buffer on engine and tender. 1,830,365; Nov. 3.
Lund, James B., Chicago, Ill. Humidifier for internal-combustion engines. 1,789,148; Jan. 13.
Lund, John A., assignor to Challenge Co., Batavia, Ill. Anchor ring. 1,788,116; Jan. 6.
Lund, Nelson C., Bound Brook, N. J. Automatic travel guide. 1,818,228; Aug. 11.
Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening feeding system. 1,811,891; June 30.
Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on heels. 1,818,142; Aug. 11.
Lundahl, Frederick A., deceased, Rock Island; M. Lundahl, executrix, assignor to Buddy "L" Mfg. Co., East Moline, Ill. Vehicle toy. 1,808,309; June 2.
Lundahl, Frederick A., deceased, M. Lundahl, executrix, assignor to Buddy "L" Mfg. Co., East Moline, Ill. Vehicle toy. 1,808,310; June 2.
Lundahl, Marie, executrix. (See Lundahl, Frederick A.)
Lundberg, John R., Maplewood, N. J. Embroidered scarf. Des. 85,439; Oct. 27.
Lundborg, Bror H., assignor to Svenska Ackumulator Aktiebolaget jungner, Stockholm, Sweden. Fluid filter. Re18,114; June 30.
Lundelius & Eccleston Motors Corporation. (See Lundelius, O. F., and Dillon, assignors.)
Lundelius, Oscar F., and J. R. Dillon, Los Angeles, Calif., assignors to Lundelius & Eccleston Motors Corporation, Las Vegas, Nev. Spring mounting. 1,810,319; June 16.
Lundelius, Oscar F., and J. R. Dillon, Los Angeles, Calif., assignors to Lundelius & Eccleston Motors Corporation, Las Vegas, Nev. Vehicle chassis. 1,814,256; July 14.
Lundell, Bernard F., Welch, Minn. Dishwashing machine. 1,821,558; Sept. 1.
Lundell, Torsten A., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Telephone system. 1,819,685; Aug. 18.
Lundgaard, Ivar, West Hartford, Conn., assignor, by mesne assignments, to Devon Manufacturing Company, Boston, Mass. Household refrigerator. 1,787,584; Jan. 6.
Lundgaard, Ivar, West Hartford, Conn., assignor, by mesne assignments, to Devon Manufacturing Company, Boston, Mass. Refrigerator. 1,812,102; June 30.
Lundgaard, Ivar, Worcester, assignor to Devon Manufacturing Company, Boston, Mass. Stuffing box. 1,828,286; Oct. 20.
Lundgaard, Ivar, Worcester, assignor to Devon Manufacturing Company, Boston, Mass. Pressure maintaining mechanism. 1,838,148; Dec. 29.
Lundgreen, Bruno, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Spindle mounting. 1,834,627; Dec 1.
Lundgren, Edwin, Frederick, Md., assignor to International Combustion Engineering Corporation, New York, N. Y. Stoker fired boiler installation. 1,807,318; May 26.
Lundgren, Eric. (See Frisch, M., and Lundgren.)
Lundgren, Jacob, assignor to Tinius Olsen Testing Machine Co., Philadelphia, Pa. Motor-driven balancing machine. 1,797,269; Mar. 24.
Lundgren, William E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom dobby. 1,793,182; Feb. 17.
Lundgren, William E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Box-lifter-rod connection. 1,793,183; Feb. 17.
Lundgren, William E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Driving connection for loom dobbies. 1,826,318; Oct. 6.
Lundgren, William E., and J. G. Soderberg, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Reed holder for looms. 1,826,319; Oct. 6.
Lundholm, Gustaf W., Stockholm, Sweden. Upright piano. 1,794,783; Mar. 3.
Lundin, Trued B. (See Litty, J. R., and Lundin.)

Lundquist, Alarik, Portland, Oreg. Hoisting sling. 1,824,027; Sept. 22.
Lundquist, Frank A. (See Sunnes, Henry M., assignor.)
Lundquist, Frank A., Galva, Ill. Handle for safe doors. 1,803,337; May 5.
Lundquist, Frank A., Galva, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,801,931; Apr. 21.
Lundquist, Hans, Chicago, Ill. Gasoline gauge. 1,814,394; July 14.
Lundquist, Hans, Chicago, Ill., assignor to United States Specialty Corporation. Liquid level gauge. 1,819,373; Aug. 18.
Lundquist, Hans, assignor to United States Specialty Corporation, Chicago, Ill. Liquid level indicator. 1,830,473; Nov. 3.
Lundquist, Levi, Middletown, Calif. Door template. 1,791,822; Feb. 10.
Lundsten, Olof. (See Johnson, E. L., and Lundsten.)
Lundteigen, Andrew, Kansas City, Mo., and G. O. Gardner, Chanute, Kans., assignors to Ash Grove Lime & Portland Cement Company, Kansas City, Mo. Portland cement. 1,794,526; Mar. 3.
Luneke, Lewis C. (See Holbrook, W. C., and Luneke.)
Lungstras, Paul, St. Louis, Mo. Measuring and tagging device. 1,808,144; June 2.
Lunkenheimer Company, The. (See Hehemann, Frederick H., assignor.)
Lunn, Ernest, assignor to Pullman Car and Manufacturing Corporation, Chicago, Ill. Electric welding of cast iron. 1,804,837; May 12.
Lunsford, Robert L., Belleville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulating device. 1,800,394; Apr. 14.
Lunt, Fred L., Ypsilanti, Mich. Folding windshield. 1,788,436; Jan. 13.
Lunt, George P., Brookline, assignor to E. B. Badger & Sons Company, Boston, Mass. Manufacturing acetic anhydride. 1,819,563; Aug. 18.
Lunt, George P., assignor to E. B. Badger & Sons Company, Boston, Mass. Chlorination of organic compounds. 1,824,558; Sept. 22.
Lunt, Joseph R., Wakefield, and D. C. Haley, Roslindale, Mass., assignors to Central Scientific Company, Chicago, Ill. Instruction apparatus for astronomy. 1,828,057; Oct. 20.
Lunt, Robert W., Chelsea, London, England, assignor to Westinghouse Electric & Manufacturing Company. Vacuum electric tube device. 1,835,509; Dec. 8.
Lunz, George A., and John L. Feyl, Buffalo, N. Y. Window. 1,807,420; May 26.
Lupe, Inc. (See Friedman, William, assignor.)
Luppert, Valentine C., Williamsport, Pa. Pencil sharpener. 1,810,284; June 16.
Luppert, Valentine C., Williamsport, Pa. Pencil sharpener. 1,810,285; June 16.
Lupton, Elmer H., Baltimore, Md. Folding box. 1,827,593; Oct. 13.
Lupton's, David, Sons Company. (See Brogden, Joah, assignor.)
Lupton's, David Sons Company. (See Sheard, Joseph H., assignor.)
Lupton's, David, Sons Company. (See Sheard, J. H., and Getty, assignors.)
Lupton's, David Sons Company. (See Ward, Lawrence T., assignor.)
Lurie, Joseph M. (See Binns, F. W., and Lurie.)
Lurie, William A., New Orleans, La. Retainer casing. 1,835,793; Dec. 8.
Lüscher, Emil, assignor to the Firm: Lonza Elektrizitatswerke und Chemische Fabriken Aktiengesellschaft, Basel, Switzerland. Manufacture of calcium formate. 1,833,865; Nov. 24.
Lüscher, Emil, and H. Steiger, Basel, assignors to the Firm: Elektrizitatswerk Lonz, Gampel and Basel, Switzerland. Production of metaldehyde. 1,804,357; May 5.
Lusk, Walter F., and W. H. Potter, assignors to Armour & Company, Chicago, Ill. Bail and applying same. 1,812,597; June 30.
Lusse Bros., Inc. (See Lusse, Joseph C., assignor.)
Lusse Bros., Inc. (See Lusse, Robert J., assignor.)
Lusse, Joseph C., assignor to Lusse Bros., Inc., Philadelphia, Pa. Amusement car apparatus. 1,818,899; Aug. 11.
Lusse, Robert J., assignor to Lusse Bros, Inc., Philadelphia, Pa. Amusement car. 1,798,023; Mar. 24.
Lusse, Robert J., assignor to Lusse Bros., Inc., Philadelphia, Pa. Bumper construction. 1,823,617; Sept. 15.
Lusse, Robert J., assignor to Lusse Brothers, Inc., Philadelphia, Pa. Amusement vehicle. 1,833,844; Nov. 24.
Luster, Eric W. (See Nichols, H. J., jr., and Luster.)
Lustig, Ruben B., Kansas City, Mo. Display table. Des. 83,331; Feb. 17.
Lustig, Ruben B., Kansas City, Mo. Display stand. Des. 84,220; May 19.
Lustrolite Corporation. (See Clark, Edward M., assignor.)
Lütgert, Eduard, Sheboygan, Wis., assignor, by mesne assignments, to Air Reduction Sales Company, New York, N. Y. Soldering iron or the like. 1,808,562; June 2.
Luth & Rosens Elektriska Aktiebolag. (See Uggla, Wilhelm R., assignor.)
Luther, Fritz, Dessau, assignor to G. Polysius, Dessau, Germany. Cooling apparatus for rotary kilns. 1,788,839; Jan. 13.
Luther, Fritz, assignor to the firm G. Polysius, Dessau, Germany. Rotary-kiln cooler. 1,797,831; Mar. 24.
Luther, George A., Kansas City, Kans. Rotary engine. 1,809,051; June 9.
Luther, Martin, Mannheim, and H. Beller, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of preparations for oiling fibrous materials. 1,808,363; June 2.
Luther, Martin, Mannheim, and C. Heuck, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Condensation product of urea. 1,791,062; Feb. 3.
Luther, Martin, Mannheim, W. Pungs, R. Griessbach, and C. Heuck, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of condensation products of urea and formaldehyde. 1,794,084; Feb. 24.
Luther, Martin, Mannheim, and E. Willfroth, Neuroessen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of oxidation products from crude paraffin hydrocarbons, wares, and the like. 1,788,799; Jan. 13.
Luther, Martin, Mannheim, and H. Wille, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Oxidation of hydrocarbons and extraction of the oxidized products. 1,823,983; Sept. 22.
Luther, Melvin E., Chicago, Ill. Headlight. 1,793,233; Feb. 17.
Lüthi, Friedrich, assignor to Hasler A.-G., vormals Telegraphenwerkstatte von G. Hasler, Bern, Switzerland. Revolution counter. 1,836,178; Dec. 15.
Luthi, Robert. (See Duchosal, Pierre, assignor.)
Lutman, Frank B., assignor to Columbus Handle & Tool Corporation, Columbus, Ind. Tool handle. 1,808,781; June 9.
Lutomirski, Karel, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reducing interference in electrical circuits. 1,828,503; Oct. 20.
Luttbeg, Max B., St. Louis, Mo. Accordion. 1,825,407; Sept. 29.
Lutton, William H., Company. (See Pratt, Henry W., assignor.)
Lüttringhaus, Arthur, and H. Wolff, Mannheim, and H. Neresheimer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline Works, New York, N. Y. Manufacture of dibenzanthronyls. 1,803,399; May 5.
Lüttringhaus, Arthur, and H. Wolff, Mannheim, and H. Neresheimer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of dibenzanthronyls. 1,803,910; May 5.
Lüttringhaus, Arthur, Mannheim, L. Eifflaender, Ludwigshafen-on-the-Rhine, and F. Kačer, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of thioethers of the anthraquinone series. 1,805,916; May 19.
Lüttringhaus, Arthur, Mannheim, P. Nawisasky, and A. Krause, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of vat dyestuffs. 1,817,995; Aug. 11.
Lüttringhaus, Arthur, and H. Wolff, Mannheim, and H. Neresheimer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the benzanthrone series. 1,827,295; Oct. 13.
Luttropp, Conrad, assignor of one-half to A. Lindahl, Stockholm, Sweden. Calculating machine. 1,806,070; May 19.
Luttropp, Conrad, assignor of one-half to Anders Lindahl, Stockholm, Sweden. Calculating machine. 1,823,552; Sept. 15.
Lutu & Rosene Elektriska Aktiebolag. (See Uggla, Wilhelm R., assignor.)
Lutz, Alvin, Edinburg, Va. Indicator for mail boxes. 1,814,941; July 14.
Lutz, Anton, Stuttgart, Germany. Plate for supporting gas meters. 1,836,481; Dec. 15.
Lutz, F. P., et al. (See Loerke, Walter J., assignor.)
Lutz, Friedrich. (See Maier, K., and Lutz.)
Lutz, Friedrich, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Feeding mechanism for sewing machines. 1,790,386; Jan. 27.
Lutz, Friedrich, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Filled-bag-closing apparatus. 1,791,419; Feb. 3.
Lutz, Friedrich, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Chain cutter for sewing machines. 1,802,212; Apr. 21.
Lutz, Friedrich, assignor to Union Special Machinenfabrik, G. m. b. H., Stuttgart, Germany. Chain cutter for sewing machines. 1,807,539; May 26.
Lutz, Friedrich, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Bed structure for sewing machines. 1,809,941; June 16.
Lutz, Friedrich, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Looper operating mechanism for sewing machines. 1,827,594; Oct. 13.

Lutz, Friedrich, assignor to Union Special Maschinenfabrik G. M. B. H., Stuttgart, Germany. Device for cutting inchained thread loops between stitched articles. 1,831,501; Nov. 10.
Lutz, George, Rocky River, and L. R. Westbrook, Cleveland Heights, assignors, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Electroplating. 1,818,229; Aug. 11.
Lutz, George, Rocky River, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Making the piperidine salt of pentamethylene-dithio-carbamic acid. 1,823,499; Sept. 15.
Lutz, George A. (See Fullman, J. M. G., and Lutz.)
Lutz, Mabel A., administratrix. (See Lutz, William D.)
Lutz, William D., Allendale, N. J., deceased, Mabel A. Lutz, administratrix. Shaft bearing. 1,832,312; Nov. 17.
Luwax Limited. (See Johnson, Ernest W., assignor.)
Lux, Albert R. (See Martin, L. F., and Lux.)
Luyckx, Charles, Louvain, Belgium. Rotary distribution valve. 1,808,671; June 2.
Luyster, Abraham and C. P., Muskegon Heights, Mich. Snowplow. 1,811,436; June 23.
Luyster, Culver P. (See Luyster, Abraham and C. P.)
Luzardo, Rudolph, New York, N. Y. Helicoplane. 1,812,968; July 7.
Luzzi, St. Clair F., assignor of one-half to F. H. Thrailkill, Houston, Tex. Hydraulic brake for drawworks, drums, and hoists. 1,833,167; Nov. 24.
Lyda, Arthur W., North Canton, Ohio, assignor to International Davit & Manufacturing Corporation. Davit and operating means therefor. 1,792,995; Feb. 17.
Lyden, Burgal, Naponee, Nebr. Braking mechanism. 1,837,457; Dec. 22.
Lyden, Ernest S., Duluth, Minn. Arm shield. 1808,049; June 2.
Lyden, Vincent F., Manning, Iowa. Animal trap. 1,796,380; Mar. 17.
Lyder, Ernest E. (See Danner, P. S., and Lyder.)
Lydiksen, Henry, assignor to Rowland Manufacturing Company, Bridgeport, Conn. Automobile cleaning apparatus. 1,801,438; Apr. 21.
Lyford, Chauncey A., East Aurora, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Recovering alcohol from alcoholic caustic fusions. 1,824,610; Sept. 22.
Lyford, Robert E., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating mechanism. 1,790,672; Feb. 3.
Lyhne, Anker S., deceased, The, Bridgeport City Trust Co., executor, assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Compact and puff holder for vanity boxes. 1,808,961; June 9.
Lyhne, Anker S., deceased, The Bridgeport City Trust Co., executor, assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Flashlight. 1,810,524; June 16.
Lyhne, Anker S., deceased; The Bridgeport City Trust Co., executor, assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Pistol light. 1,835,233; Dec. 8.
Lyhne, William S., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Portable vender. Des. 84,295; June 2.
Lykes, Coke S. (See Sundstrom, C., and Lykes.)
Lykken, Henry G., Minneapolis, Minn. Fuel-burning device. 1,791,099; Feb. 3.
Lykken, Henry G., Minneapolis, Minn. Reducing fluidizer and method of. 1,791,100; Feb. 3.
Lykken, Henry G., Minneapolis, Minn. Fuel device. 1,793,705; Feb. 24.
Lykken, Henry G., Minneapolis, Minn. Firing kilns. 1,803,806; May 5.
Lykken, Henry G., Minneapolis, Minn. Material treating device. 1,807,923; June 2.
Lykken, Henry G., Minneapolis, Minn. Material reducing and classifying device. 1,814,395; July 14.
Lykken, Henry G., Minneapolis, Minn. Material classifying device. 1,835,886; Dec. 8.
Lykken, Harry G., Minneapolis, Minn. Reducing mill. 1,838,560; Dec. 29.
Lyle, Jessie L., Danville, Va. Bunch-building and bobbin-forming attachment for spinning machines. 1,797,353; Mar. 24.
Lyles, Thomas B., Terre Haute, Ind. Safety appliance for airplanes. 1,806,403; May 19.
Lyman, Arthur L., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Refining hydrocarbon oil. 1,818,488; Aug. 11.
Lyman, Kenneth E., Chicago, Ill. Brake-applying connection. 1,799,597; Apr. 7.
Lyman, Kenneth E., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,791,627; Feb. 10.
Lyman, Kenneth E., Chicago, assignor to Bendix Brake Company, Chicago, Ill. Brake-applying means. 1,794,913; Mar. 3.
Lyman, Kenneth E., assignor to Automatic Transmission Company, Rockford, Ill. Power transmission. 1,818,564; Aug. 11.
Lyman, Kenneth E., assignor to Bendix Brake Company, Brake applying means. 1,834,530; Dec. 1.
Lyman, Kent E., deceased, Cleveland, Ohio; The Guardian Trust Company, executor. Nozzle for lubricators. 1,798,213; Mar. 31.
Lyman, Samuel, Brooklyn, N. Y. Electric lamp bulb. Des. 85,726; Dec. 8.
Lyman, Samuel, Brooklyn, N. Y. Incandescent-electric-light bulb. 1,798,745; Mar. 31.
Lymn, Arthur H., London, England. Producing mixed water gas and coal gas. 1,808,672; June 2.
Lynch, Alline M., Bloomfield, N. J. Book end. Des. 84,155; May 12.
Lynch Corporation. (See Lynch, J. W., and Bridges, assignors.)
Lynch, Edward. (See Bowman, F. H., Lynch, and Price.)
Lynch, Frank J., Hillside, N. J., assignor to Pinaud, Inc., New York, N. Y. Collapsible tube. 1,797,152; Mar. 17.
Lynch Glass Machine Company. (See Badger, Charles, assignor.)
Lynch, Harry B., McKeesport, Pa. Pipe wrapping machine. 1,814,320; July 14.
Lynch, James E., Texarkana, Tex. Hydraulic gear puller. 1,828,252; Oct. 20.
Lynch, James L., Media, Ill. Antiskid chain. 1,818,919; Aug. 11.
Lynch, James W., and E. G. Bridges, Anderson, Ind., assignors, by mesne assignments, to Lynch Corporation. Glassware-forming machine. 1,787,635; Jan. 6.
Lynch, James W., Alexandria, Ind., and E. G. Bridges, Zanesville, Ohio, assignors, by mesne assignments, to Lynch Corporation. Glass-blowing machine. 1,788,312; Jan. 6.
Lynch, John J., Riverdale, Md. Package tie. 1,809,345; June 9.
Lynch, Joseph L., et al. (See Macy, Alfred J., assignor.)
Lynch, Thomas J., assignor to M. C. Brennan, Lowell, Mass. Leg for one-rail trucks. 1,794,468; Mar. 3.
Lynde, Willis L., assignor of one-half to V. Geib, West Bend, Wis. Paint brush. Des. 85,251; Sept. 29.
Lyndon, Edward, Westport, Conn. Battery container. 1,796,034; Mar. 10.
Lyne, Charles H., Miami, Fla. Grinding machine. 1,799,109; Mar. 31.
Lyness, Horatio S., Lynn, Mass. Shoe and making the same. 1,803,716; May 5.
Lyness, Horatio S., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Perforating machine. 1,799,305; Apr. 7.
Lynn, A. Edward, et al. (See Bunte, Harry A., assignor.)
Lynn, James T., et al. (See Turner, Christian G., assignor.)
Lynn, John P., assignor to Dur-O-Lite Pencil Co., Chicago, Ill. Pencil. 1,799,240; Apr. 7.
Lynn, John P., assignor to Dur-O-Lite Pencil Company, Chicago, Ill. Pencil. 1,806,632; May 26.
Lynn, John P., assignor to Dur-O-Lite Pencil Company, Chicago, Ill. Pencil. 1,815,309; July 21.
Lynn, John P., assignor to Dur-O-Lite Pencil Company, Chicago, Ill. Pencil. 1,817,011; Aug. 4.
Lynn, John P., assignor to Dur-O-Lite Pencil Company, Chicago, Ill. Pencil. 1,825,803; Oct. 6.
Lynn, John P., assignor to Dur-O-Lite Pencil Company, Chicago, Ill. Clip for pocket instruments. 1,827,324; Oct. 13.
Lynn, John P., assignor to Dur-O-Lite Pencil Company, Chicago, Ill. Pencil. 1,828,871; Oct. 27.
Lynn Products Co. (See Johnson, L. E., and Day, assignors.)
Lynn Products Co. (See Leach, Ernest C., assignor.)
Lynn, Ross M., and W. M. Malouf, assignors to Atomic Power Corporation, Salt Lake City, Utah. Method and apparatus for treating motor fuel. 1,806,356; May 19.
Lynn, Ross M., and W. M. Malouf, Salt Lake City, Utah, assignors to Atomic Power Corporation. Motor fuel treating device. 1,806,404; May 19.
Lyon, Arthur H., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Tapping machine. 1,836,675; Dec. 15.
Lyon, Arthur H., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Machine tool. 1,837,054; Dec. 15.
Lyon, Arthur H., and H. T. R. Hanitz, assignors to The Ingersoll Milling Machine Company, Rockford, Ill. Grinding machine. 1,836,482; Dec. 15.
Lyon, George A., Allenhurst, N. J. Cover for spare tires of automobiles. 1,807,697; June 2.
Lyon, Hancel M. (See Rice, W. H., and Lyon.)
Lyon & Healey, Inc. (See Salzedo, Carlos, assignor.)
Lyon, Henry H., deceased, by H. L. Lyon, administrator, Buffalo, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. Re17,996; Feb. 17.
Lyon, Henry L., administrator. (See Lyon, Henry H.)
Lyon Iron Works. (See Raymond, George G., assignor.)
Lyon, Leonard S. (See Key, James F., assignor.)
Lyon Metal Products, Incorporated. (See Adler, John B., assignor.)
Lyon Metal Products, Incorporated. (See Adler, J. B., O'Connor, and Vance, assignors.)
Lyon Metal Products, Incorporated. (See Bales, James E., assignor.)
Lyon Metal Products, Incorporated. (See Bales, J. E., and Christensen, assignors.)
Lyon Metal Products, Incorporated. (See O'Connor, J. B., and Adler, assignors.)
Lyon Metal Products, Incorporated. (See Petritsch, Joseph, assignor.)
Lyon Metal Products, Incorporated. (See Vance, Walter N., assignor.)

Lyon Metal Products, Incorporated. (See Vance, W. N., and Ratz, assignors.)
Lyon Metal Products, Incorporated. (See Vance, W. N., O'Connor, and Aler, assignors.)
Lyon, Roswell H., Harrisburg, Pa. Bag. Des. 85,190; Sept. 22.
Lyon, Roy B. (See McCord, John I., assignor.)
Lyons, Arthur C., Brantford, Ontario, Canada. Washing machine. 1,796,528; Mar. 17.
Lyons, Arthur E., Lansing, Mich. Combined display stand base and standard. Des. 83,982; Apr. 21.
Lyons, Benjamin F. (See Robinson, Walter W., assignor.)
Lyons, Daniel A. (See Walker, C. P., and Lyons.)
Lyons, Frank H. (See Ewing, D. T., and Lyons.)
Lyons, George H. E., Dayton, Ohio. Emergency stopping device for automobiles. 1,822,157; Sept. 8.
Lyons, Harry C., Mount Vernon, N. Y. Smoke separator. 1,818,143; Aug. 11.
Lyons, Harry C., Mount Vernon, N. Y. Measuring valve. 1,818,230; Aug. 11.
Lyons, Henry N., Dover, N. J., assignor to Doherty Research Company, New York, N. Y. Process of and apparatus for distilling oil. 1,820,573; Aug. 25.
Lyons, James, jr., New York, N. Y., assignor of one-half to L. W. Luellen, Mountain Lakes, N. J. Radio apparatus. 1,819,905; Aug 18.
Lyons, John A., et al. (See Nadeo, James, assignor.)
Lyons, John F., and M. S. Perkins, Keene, N. H. Adjustable hose clamp. 1,804,358; May 5.
Lyons, John M., Chicago, Ill. Portable confessional. 1,789,010; Jan. 13.
Lyons, Leon L., Omaha, Nebr. Hose protector. 1,820,623; Aug. 25.
Lyons-Magnus, Incorporated. (See Leibing, William E., assignor.)
Lysholm, Alf, Stockholm, Sweden, and J. Strindlund, Hurum, Norway, assignors to Aktiebolaget Ljungström Angturbin, Stockholm, Sweden. Furnace. 1,829,996; Nov. 3.
Lysholm, Alf, and G. Cederstrand, assignors to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Cooler contacting with circulating air. 1,805,917; May 19.
Lysne, Ole A., Northfield, Minn. Shovel. 1,803,717; May 5.
Lysons, Jay Will, New York, N. Y. Imprinting device. 1,831,459; Nov. 10.
Lyth, John J., Valleyfield, Quebec, Canada. Apparatus for correcting displacement of weft threads in cloth. 1,823,205; Sept. 15.
Lyth, John J., Valleyfield, Quebec, Canada. Stenter clip. 1,830,066; Nov. 3.
Lytle, Harry R., Sacramento, assignor of one-half to D. R. Throop, Stockton, Calif. Leveler. 1,822,051; Sept. 8.
Lytle, William O., New Kensington, Pa., assignor to Duplate Corporation. Sand blasting apparatus. 1,819,331; Aug. 18.
Lytle, William O., New Kensington, Pa., assignor to Duplate Corporation. Cutting disks from glass plates. 1,825,277; Sept. 29.
M. & B. Manufacturing Co. Inc. (See Mersfelder, F. J., and Balze, assignors.)
M. J. B. Co. (See Bardet, George A. and G. V., assignors.)
M. J. B. Co. (See Burns, Wilfred E., assignor.)
M-L Magneto Syndicate Limited, The. (See Watson, Ernest A., assignor.)
M and M Company, The. (See McLean, John C., assignor.)
M S Co. (See Nittel, Frederick W., assignor.)
Maanum, Anton, et al. (See Davis, Alfred J., assignor.)
Maanum, T. A., et al. (See Davis, Alfred J., assignor.)
Maas, Elov F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Method of and apparatus for manufacturing pneumatic tires. 1,818,955; Aug. 11.
Maas, Elov F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Pneumatic tire inflation system. 1,827,662; Oct. 13.
Maas, Elov F., and R. W. Snyder, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Assembling strip material. 1,800,183; Apr. 7.
Maas, Elov F., and R. W. Snyder, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Apparatus for assembling strip material. 1,800,192; Apr. 7.
Maas, Frederick, New York, assignor, by mesne assignments, to W. Mano, Flushing, Long Island, N. Y. Coating and sealing composition. 1,822,536; Sept. 8.
Maas, Gottfried H. J., Berlin-Steglitz, Germany. Railway and tramway system. 1,802,436; Apr. 28.
Maas, Julian, St. Louis, Mo. Advertising device. 1,788,921; Jan. 13.
Maas, Louis, Hartford, Conn. Game of skill. 1,806,071; May 19.
Maashoff, Hugo, New Haven, Conn., assignor to The Greist Manufacturing Company. Ratchet wheel. 1,800,945; Apr. 14.
Maashoff, Hugo, assignor to The Greist Manufacturing Company, New Haven, Conn. Sewing machine tuck marker. 1,838,694; Dec. 29.
Maashoff, Hugo, and G. W. Pratt, New Haven, Conn., assignors to The Greist Manufacturing Company. Sewing machine ruffler. 1,830,398; Nov. 3.
Maashoff, Hugo A., and W. C. Greist and A. J. Carmichael, New Haven, Conn., assignors to The Greist Manufacturing Company. Sewing-machine ruffler. 1,787,692; Jan. 6.
Maass, Louis, Hartford, Conn. Tenoning device. 1,794,859; Mar. 3.
Mabee, Alexander C., Villa Park, and C. A. Whitsett, Chicago, Ill.; said Mabee assignor to Marvel Carbureter Company, Flint, Mich. Carbureter. 1,802,321; Apr. 21.
Mabee, Charles R., Vittoria, Ontario, Canada, assignor, by mesne assignments, to C. H. Donaldson, Buffalo, N. Y. Preparation of livestock feeds. 1,807,043; May 26.
Mabee, Charles R., assignor, by mesne assignments, to C. H. Donaldson, Buffalo, N. Y. Manufacture of live stock feed. 1,807,067. May 26.
Mabee, Elliott B., Brooklyn, N. Y. Illuminating device for the display and examination of negatives. 1,803,631; May 5.
Mabey, Charles W., Indianapolis, Ind. Peanut dispenser. Des. 85,108; Sept. 15.
Mabey, Charles W., assignor to Mabey Electric and Manufacturing Company, Indianapolis, Ind. Double electric toaster. 1,814,942; July 14.
Mabey, Charles W., assignor to Mabey Electric Manufacturing Company, Indianapolis, Ind. Automatic discharging toaster. 1,821,226; Sept. 1.
Mabey Electric and Manufacturing Company. (See Mabey, Charles W., assignor.)
Mabey, Leroy D., Gloversville, N. Y. Circuit maker and breaker. 1,798,848; Mar. 31.
Mabie, Edmund L., Chicago, Ill., assignor, by mesne assignments, to Jewell Electrical Instrument Corporation. Electrical measuring instrument. 1,835,658; Dec. 8.
Mabie Todd & Co. (See Most, Lucifer J., assignor.)
Mabry, Annie N., Jamaica, Long Island, assignor of one-half to H. D. Blaeker, New York, N. Y. Combination bedpan and fountain syringe. 1,818,489; Aug. 11.
Maby, Adelbert C., Jamaica, N. Y. Movable eyes for dolls. 1,831,602; Nov. 10.
Maby, Adelbert C., Richmond Hill, assignor to The Tabulating Machine Company, Endicott, N. Y. Motor driven punch. 1,812,659; June 30.
Macabee, Edward L. (See Macabee, Fabian and E. L.)
Macabee, Fabian E. and E. L., Hayward, assignors of one-half to H. C. Schroeder, Oakland, Calif. Brake testing device. 1,804,942; May 12.
Macalaster, Fred S., et al., trustees. (See Boerstler, Edward W., assignor.)
MacAlman, J. H. (See Dashner, Emery J., assignor.)
Macan, Harry C. (See Yates, C. E., and Macan.)
Macan, Harry C., Rutherford, N. J., assignor to Anaconda Sales Company, New York, N. Y. Roof accessory. 1,822,410; Sept. 8.
MacArthur Concrete Pile Corporation. (See Harter, John W., assignor.)
MacArthur Concrete Pile Corporation. (See Sperry, R. E., and Talmadge, assignors.)
MacArthur, Elvin D., Wollaston, assignor to Draper Corporation, Hopedale, Mass. Intermittent feeler mechanism for looms. 1,791,823; Feb. 10.
MacArthur, Elvin D., Old Hickory, Tenn., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Filling stop motion for looms. 1,823,567; Nov. 17.
MacArthur, Elvin D., Old Hickory, Tenn., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical weft detector for looms. 1,834,315; Dec. 1.
MacArthur, William J., Los Angeles, Calif. Metallic-packing thrust washer. 1,798,799; Mar. 31.
MacArthur, William J., assignor of one-half to R. E. Maynard, Los Angeles, Calif. Packer for centrifugal pumps. 1,831,571; Nov. 10.
MacArthur, William J., assignor of one-half to R. A. Maynard, Los Angeles, Calif. Pump packing. 1,831,572; Nov. 10.
Macaulay, Thomas W., and S. Rastelli, Reno, Nev. Window frame construction. 1,823,947; Sept. 22.
Macauley, John B., jr., assignor to Chrysler Corporation, Detroit, Mich. Carburetor. 1,833,583; Nov. 24.
MacBean, Thomas L., assignor to Weldbuilt Corporation, New York, N. Y. Making bolts and similar connecting devices. 1,828,287; Oct. 20.
Macbeth-Evans Glass Company. (See Sloan, Theodore H., assignor.)
MacBride, Donald H., Lapeer, Mich., assignor, by mesne assignments, to International Toy Corporation, New Bedford, Mass. Moving figure toy. 1,791,730; Feb. 10.
Maccabee, David E., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,822,052; Sept. 8.
Maccabee, David E., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,795,872; Mar. 10.
MacCafferty, George G., Everett, Mass. Guard for printing press rolls. 1,803,066; Apr. 28.
MacCallum, Alfred E. G., London, England. Single-roll grinding mill. 1,794,236; Feb. 24.
MacCallum, Thomas, North Lima, Ohio. Sectional track. 1,825,804; Oct. 6.
MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Device for use in loading cars and the like. 1,831,815; Nov. 17.
MacChesney, Chester M., and J. E. Ott, assignors to Acme Steel Company, Chicago, Ill. Strap stretching device. 1,833,168; Nov. 24.
MacClatchie, John W. (See Alexander, Tilmon C., assignor.)
MacClatchie, John W. (See Foster, Noble D., assignor.)

MacClatchie, John W. (See Raymond, Edward F., assignor.)
MacClatchie, John W., Compton, Calif. Reamer. 1,792,697; Feb. 17.
MacClatchie, John W., Compton, Calif. Adjustable propeller. 1,803,858; May 5.
MacClatchie, John W., Compton, Calif. Cementing head. 1,822,444; Sept. 8.
MacClatchie Manufacturing Company. (See Alexander, Tilmon C., assignor.)
MacCollom, John, Jersey City, N. J. Baseball game. 1,799,241; Apr. 7.
MacComb, Richard A., Ventura, Calif. Pilot stand. 1,795,566; Mar. 10.
MacDaniel, J. L., Printing Company, The. (See Egenolf, George J., assignor.)
MacDonald, Albert S. (See Gallison, E. A., and MacDonald.)
MacDonald, Albert S., Quincy, assignor, by mesne assignments, to Bay State Fishing Company, Boston, Mass. Wire support and guide. 1,804,996; May 12.
MacDonald, Alexander N., Toronto, Ontario, Canada. Portable furnace. 1,802,146; Apr. 21.
MacDonald, Chester R., Passaic, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method and apparatus for reclaiming waste roofing material. 1,831,779; Nov. 10.
MacDonald, Donald A., St. Peters, Nova Scotia, Canada. Snowplow. 1,826,804; Oct. 13.
Macdonald Francis, W. H. Allen, C. F. Ritchie, and V. T. Manchee, Trona, Calif., assignors to American Potash & Chemical Corporation, New York, N. Y. Process and apparatus for recovering values from brine. 1,810,181; June 16.
MacDonald, Frank J., Ellet, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for molding plastic material. 1,802,978; Apr. 28.
MacDonald, Howard G., Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company. Latch for oil breakers. 1,802,768; Apr. 28.
MacDonald, Isaac, Buffalo, N. Y. Automobile parking and storage apparatus. 1,815,738; July 21.
MacDonald, Joel W., assignor to The Tactiphone Company, Houston, Tex. Apparatus for and method of cultivating and improving the hearing. 1,806,357; May 19.
MacDonald, John W., Wilkinsburg, Pa. Toy gas cannon. 1,806,633; May 26.
MacDonald, John W., Wilkinsburg, Pa. Toy cannon. 1,806,693; May 26.
MacDonald, Mary J., Kansas City, Mo. Sound-controlling means. 1,825,465; Sept. 29.
MacDonald, Maynard F., assignor of two-fifths to F. J. H. Baines, Victoria, British Columbia, Canada. Photographic printing machine. 1,834,218; Dec. 1.
Macdonald, Murdock, Cleveland, Ohio. Ticket box. 1,797,270; Mar. 24.
MacDonald, Raymond L., San Diego, Calif. Wall structure. 1,795,655; Mar. 10.
Macdonald, William, Dennison, Ohio. Combined printing and color applying element and manufacturing the same. 1,804,359; May 5.
MacDonald, William A., Little Neck, and F. E. Johnston, Flushing, N. Y., assignors to Hazeltine Corporation, Jersey City, N. J. Shielding for radio-frequency amplifiers. 1,823,327; Sept. 15.
MacDonald, William C., Malden, Mass. Clavicle apparatus. 1,808,422; June 2.
MacDonald, William J. (See Hull, R. W., and MacDonald.)
MacDougall, Robert, Downers Grove, assignor to Beemack Furnace Company, Cicero, Ill. Enameling furnace conveyer. 1,819,472; Aug. 18.
Mace, John J., York, Pa. Window ventilator for autos. 1,825,192; Sept. 29.
MacElhone, Harry, Binghamton, N. Y. Applying temporary wrappers. 1,810,837; June 16.
MacFadden, John J., Cleveland, Ohio, assignor, by mesne assignments, of one-half to Remington Rand Inc., New York, N. Y. Visible index. 1,802,348; Apr. 28.
MacFarland, Albert E., assignor to Sirian Wire and Contact Company, Newark, N. J. Alloy. 1,800,691; Apr. 14.
MacFarlane, William W. (See Deveaux, Ernest, assignor.)
Macfarlane, William W., Elkins Park, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Train control system. 1,788,880; Jan. 13.
Macfarlane, William W., Elkins Park, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Train-control system. 1,788,881; Jan. 13.
Macfarlane, William W., Elkins Park, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Train-carried circuit system. 1,788,882; Jan. 13.
MacGahan, Paul, Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Pointer for electrical measuring instruments. 1,801,778; Apr. 21.
MacGahan, Paul, Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Shunt. 1,807,852; June 2.
MacGeorge, Thomas H., Seattle, Wash. Golf-ball-driving practice apparatus. 1,788,803; Jan. 13.
Macgillivray, Alister D., Santo Domingo, Dominican Republic. Sole straightener. 1,818,490; Aug. 11.
MacGregor, Charles M., Chicago, Ill. Selectively controlling ringing circuits of telephones. 1,809,176; June 9.
MacGregor Instrument Company. (See Brockway, Willard H., assignor.)
MacGregor, John, Wheaton, Ill. Golf-course brush. 1,801,016; Apr. 14.
MacGregor & King Limited. (See MacGregor, Robert, assignor.)
MacGregor, Laurence B., assignor to MacGregor-Strang, Inc., Long Beach, Calif. Oil well device. 1,802,612; Apr. 28.
MacGregor, Laurence B., Long Beach, and A. E. Spear, Olinda, Calif. Well cleaning device. 1,806,073; May 19.
MacGregor, Peter G., Pequannock, assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 1,790,825; Feb. 3.
MacGregor, Peter G., Pequanock, assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 1,793,860; Feb. 24.
MacGregor, Peter G., Pequannock, assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguishing apparatus. 1,803,859; May 5.
MacGregor, Robert, assignor to MacGregor & King Limited, London, England. Steel hatch cover for ships. 1,824,910; Sept. 29.
MacGregor, Roderick M. (See Peter, L. H., Challans, and MacGregor.)
MacGregor-Strang, Inc. (See MacGregor, Laurence B., assignor.)
MacGregor, Wallace, Berkeley, Calif. Safety fire hose holder. 1,806,074; May 19.
MacGregor, Wallace F., assignor to J. I. Case Company, Racine, Wis. Combination corn harvester. 1,814,723; July 14.
MacGregor, Wallace F., assignor to J. I. Case Company, Racine, Wis. Combination harvester-thrasher. 1,821,065; Sept. 1.
MacGuire, Andrew C., assignor to Independent Lock Company, Fitchburg, Mass. Doorcheck. 1,827,595; Oct. 13.
Machat, Roland, and A. Mathieu, Brive, France. Tightening collar with gradually braked winder. 1,821,980; Sept. 8.
Maché, Günter, Berlin, Germany. Electrostatic telephone receiving instrument. 1,799,053; Mar. 31.
Machemer, Edward J. (See Chapman, W. A., Machemer, and Paul.)
Machen, Ferdinand H., Toledo, Ohio. Rake. 1,821,522; Sept. 1.
Machinenfabrik Augsburg-Nurnberg A. G. (See Zimmerman, Karl, assignor.)
Machinery Development Company. (See Johnson, William C., assignor.)
Machlet, Adolph W., Elizabeth, N. J. Brass-smelting furnace. 1,789,149; Jan. 13.
Machlet, Adolph W., Elizabeth, N. J. Brass-melting apparatus. 1,808,145; June 2.
Machlett, Raymond R., New York, N. Y., assignor to Rainbow Light, Inc. Manufacturing gas-filled envelopes. 1,789,556; Jan. 20.
Machlett, Raymond R., New York, assignor to Rainbow Light, Inc., Long Island City, N. Y. Luminous tube. 1,789,557; Jan. 20.
Machlett, Raymond R., and J. F. Stokes, New York, N. Y., assignors to Rainbow Light, Inc. High frequency luminous tube. 1,819,105; Aug. 18.
Macia, Alberto R., Granollers, Spain. Sorter or classifier by sizes. 1,802,769; Apr. 28.
Maciejski, Felix, Wild Rose, Wis. Fertilizer distributor. 1,802,059; Apr. 21.
MacIndoe, John F., Philadelphia, Pa. Grease cup. 1,793,108; Feb. 17.
MacIndoe, John F., Philadelphia, Pa. Automatic control for lubricators. 1,805,290; May 12.
Macintire, Benjamin G., Edgewood, Md. Generating smoke clouds. 1,819,184; Aug. 18.
Mack, Carl, assignor, by mesne assignments, to S. Bonat and H. Bonat, constituting the Firm of Samuel Bonat & Bro., New York, N. Y. Hair winder. 1,815,266; July 21.
Mack, Clarence G., assignor to Hettrick Manufacturing Company, Toledo, Ohio. Awning. 1,805,950; May 19.
Mack, Edward A., Huntington, W. Va., assignor to Line Material Company, South Milwaukee, Wis. Suspension clamp. 1,827,325; Oct. 13.
Mack, Luther L., South Pasadena, Calif., assignor to U. S. Postal Meter Corporation. Postage meter. 1,796,296; Mar. 17.
Mack Molding Company. (See Burke, James P., assignor.)
Mack, Peter, jr. (See Smith, W. C., and Mack.)
Mack, Richard F., Astoria, N. Y. Interrupter for warning signals. 1,828,608; Oct. 20.
Mackall, James H., Akron, Ohio. Garter construction and the like. 1,815,267; July 21.
MacKay, Alfred, Asbury Park, N. J., assignor to American Salpa Corporation, New York, N. Y. Treatment of animal fibers. 1,833,029; Nov. 24.
Mackay, George, Jackson, Mich. Machine for routing stair stringers. 1,808,962; June 9.
MacKay, Henry J. S., London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Multiple circulation boiler. 1,822,228; Sept. 8.
MacKay, John F., Lancaster, Pa. Brooder. 1,802,349; Apr. 28.

MacKay, John F., Lancaster, Pa. Incubator. 1,830,171; Nov. 3.
Mackay, William, New York, N. Y., assignor to Public Service Radios, Inc., West Haven, Conn. Fraud-preventing device for coin-controlled machines. 1,800,090; Apr. 7.
Mackaye, Henry D. (See Brant, Winfield S., assignor.)
Mackaye, Henry D. (See Grant, Winfield S., assignor.)
Macke, Gordon B., Washington, D. C. Vending machine. 1,801,165; Apr. 14.
Mackel, Joseph E. (See Crossan, J. R., and Mackel.)
Mackenzie, Alexander S., assignor to Clayton Gin Compress Company, Houston, Tex. Cotton baling machinery. 1,809,520; June 9.
Mackenzie, Alexander S., assignor to Clayton Gin Compress Company, Houston, Tex. Drier. 1,813,750; July 7.
Mackenzie, Alexander S., assignor to Clayton Gin Compress Company, Houston, Tex. Baling press. 1,834,466; Dec. 1.
Mackenzie, Charles S., Bound Brook, N. J. Supporting trousers. 1,793,109; Feb. 17.
MacKenzie, Charles S., Gananoque, Ontario, Canada. Shovel. 1,812,160; June 30.
Mackenzie, Charles S., Bound Brook, N. J. Supporting trousers. 1,820,918; Sept. 1.
Mackenzie, Donald G., Montreal, Quebec, Canada, assignor to Donmac Products Corporation, New York, N. Y. Power transmission. 1,819,716; Aug. 18.
MacKenzie, Duncan. (See Marcin, Michael J., assignor.)
MacKenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,790,062; Jan. 27.
Mackenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening pulling machine. 1,807,853; June 2.
MacKenzie, George F., assignor of one-fifth to W. Baird, Glace Bay, one-tenth to H. A. Morton, and one-tenth to J. G. Hackett, North Sydney, Nova Scotia, Canada. Recorder. 1,797,665; Mar. 24.
Mackenzie, Leon R., Des Moines, Iowa. Making bituminous emulsions. 1,795,226; Mar. 3.
MacKenzie, Thomas W., assignor, by mesne assignments, to The Mechanical Engineering Corporation, New London, Conn. Bulletin printing machine. 1,826,805; Oct. 13.
Mackey, Albert B., Cleveland Heights, and E. A. Mackey, assignors to The Goliath Rubber Company, Cleveland, Ohio. Composition of matter adapted for the fabrication of battery boxes and other material. 1,824,220; Sept. 22.
Mackey, Christopher L., New York, N. Y. Automatic air-release valve. 1,794,237; Feb. 24.
Mackey, Clarence H., Lancaster, and S. E. Preble, Orchard Park, N. Y. Road sign. 1,821,227; Sept. 1.
Mackey, Dudley E., Bloomfield, and F. L. Black, East Orange, N. J. Stethoscope. 1,789,762; Jan. 20.
Mackey, Edwin A. (See Mackey, Albert B. and E. A.)
Mackey, Franklin E., Lebanon, Ohio. Liquid gas converter. 1,835,887; Dec. 8.
Mackey, William E., Morgantown, W. Va. Animal trap. 1,790,432; Jan. 27.
Mackie, Charles P. (See Claytor, Edwin E., assignor.)
Mackin, Henry J., Kankakee, Ill. Blind. 1,799,522; Apr. 7.
Mackine, William Y., Baltimore, Md. Gun mount. 1,821,521; Sept. 1.
MacKinnon, Daniel A., Charlottetown, Prince Edward Island, Canada. Neutralizing poisonous engine gases. 1,793,813; Feb. 24.
Mackintosh, William B. (See Weaver, G. E., and Mackintosh.)
MacKirdy, William, Vancouver, British Columbia, Canada. Prime mover. 1,801,633; Apr. 21.
Macklanburg, Louis A., Oklahoma City, Okla. Weather stripping. 1,808,423; June 2.
Macklanburg, Louis A., Oklahoma City, Okla. Metallic weather strip. 1,834,031; Dec. 1.
Mackley, Alfred H., Bedford, England. Counting folded papers. 1,796,758; Mar. 17.
Mackley, Benjamin, Pittsburgh, Pa. Method of and apparatus for preparing matrices for stereotype plates. 1,809,052; June 9.
Mackley, James H., Denver, Colo. Water heater. 1,810,774; June 16.
MacKnight, Harry A., Providence, R. I., assignor to Winsor & Jerauld Mfg. Co. Tentering machines. 1,806,208; May 19.
MacKnight, Hector, East Orange, N. J., assignor to C. Canfield. Bathroom cabinet. 1,798,800; Mar. 31.
MacKrell, Goyn D., assignor to Gurney Security Paper Company, Inc., Brooklyn, N. Y. Paper. Des. 83,460; Feb. 24.
Mackres, Vasilios S., Brockton, Mass. Apparatus for cleaning glassware. 1,826,942; Oct. 13.
MacLagan, Hector P. (See Chesney, J. W. D., and MacLagan.)
MacLagan, Hector P., assignor to McIntosh Electrical Corporation, Chicago, Ill. Spark-gap construction. 1,794,914; Mar. 3.
MacLaren Electric Appliance Corporation, The. (See MacLaren, Fred B., assignor.)
MacLaren, Fred B. (See Braselton, C. H., and MacLaren.)
MacLaren, Fred B., Malba, assignor to The MacLaren Electric Appliance Corporation, New York, N. Y. Refrigerating mechanism. 1,792,649; Feb. 17.
MacLaughlin, David D. (See Richmond, H. A., and MacLaughlin.)
MacLaughlin, William W., jr., Fort Worth, Tex. Advertising exhibitor. Des. 84,045; Apr. 28.
MacLean, Allen D. (See Chrisman, H., and MacLean.)
MacLean, Allen D., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Multiple flow regulator. 1,820,358; Aug. 25.
MacLean-Fogg Lock Nut Co. (See McMullin, Claud E., assignor.)
MacLean, Gordon, Flushing, assignor to The Turbo-Mixer Corporation, New York, N. Y. Heat interchange and mixing apparatus. 1,829,753; Nov. 3.
Maclean, Leonard A., Reading, Mass. Package for patches. 1,800,459; Apr. 14.
Maclean, Leonard A., Reading, Mass. Patch-applying implement. 1,800,460; Apr. 14.
MacLean, Reuben A., Ottawa, Ontario, Canada. Safety means for aircraft. 1,801,871; Apr. 21.
Maclean, Robert, assignor to Amalgamated Roofing Company, Chicago, Ill. Machine for manufacturing prepared roofing. 1,794,719; Mar. 3.
Maclean, Robert, assignor to Amalgamated Roofing Company, Chicago, Ill. Method and means for saturating fibrous materials in the production of prepared roofing materials. 1,816,596; July 28.
MacLean, Robert, assignor to Amalgamated Roofing Company, Chicago, Ill. Roofing. 1,820,005; Aug. 18.
MacLellan, Peter D., Denver, Colo. Condiment holder. 1,792,916; Feb. 17.
Macleod, Albert A. (See Duplessis, R. E., and Macleod.)
Macleod, Eldon, et al., trustees. (See Colby, Harold L., assignor.)
MacLeod, Daniel T., assignor to Perfex Corporation, Milwaukee, Wis. Transformer cooler. 1,803,505; May 5.
MacLeod, Daniel T., assignor to Perfex Corporation, Milwaukee, Wis. Cooling radiator for internal combustion engines. 1,818,144; Aug. 11.
MacLeod, James, Glasgow, Scotland. Turbine driven locomotive. 1,807,485; May 26.
Macleod, William P. (See Wright, L. K., and MacLeod.)
Macmahon, Paul H. (See Staehle, Gilbert C., assignor.)
MacMartin, Frank W., Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y. Carrier for dispatch systems. 1,828,504; Oct. 20.
Macmeeken, John W., Glen Ridge, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Centrifugal pump. 1,837,873; Dec. 22.
MacMichael, Hugh R., El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Scotch-hearth feeding mechanism. 1,791,628; Feb. 10.
MacMichael, Hugh R., El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Charging machine for Scotch hearths. 1,791,677; Feb. 10.
MacMillan, Campbell, Schenectady, N. Y., assignor to General Electric Company. Protective device for induction motors. 1,805,492; May 19.
MacMillan, Charles W., Denver, Colo. Ink bottle pen filling protector. 1,811,361; June 23.
MacMillan, Daniel J., Brooklyn, N. Y. Pneumatic dispatch carrier. 1,810,974; June 23.
MacMillan, Robert S. (See McMillan, M., and MacMillan.)
MacMillin, Howard F. (See Darling, E. R., and MacMillin.)
Macnabb, Vernon C., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Volume control. 1,833,085; Nov. 24.
MacNamee, Joseph B., Ilanerch, Pa. Automatic scissors or shears. 1,818,900; Aug. 11.
MacNeill, John B. (See Austin, W. M., and MacNeill.)
MacNeill, John B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Network protective device. 1,798,691; Mar. 31.
MacNeill, John B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,804,628; May 12.
MacNeill, John B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. High speed circuit interrupter. 1,813,181; July 7.
Macneir, Donald B., New York, N. Y. Railway tie. 1,818,145; Aug. 11.
Macomber, Harkey M., Downey, and T. H. Pyron, Fullerton, Calif. Float valve for drilling tools. 1,790,480; Jan. 27.
Macomber, Lewis H., Kalamazoo, Mich. Apparatus for treating paraffin. 1,809,130; June 9.
Macomber, Lynn W., assignor to United Steel & Wire Company, Battle Creek, Mich. Cage or coop. 1,812,598; June 30.
Macomber, Lynn W., assignor to United Steel & Wire Company, Battle Creek, Mich. Sprayer. 1,831,603; Nov. 10.
Macomber, Stanley, Edgefield District, assignor to The Macomber Steel Company, Canton, Ohio. Making fireproof floor constructions. 1,796,851; Mar. 17.
Macomber, Stanley, Edgefield District, assignor to The Macomber Steel Company, Canton, Ohio. Fireproof floor construction. 1,837,367; Dec. 22.
Macomber Steel Company, The. (See Macomber, Stanley, assignor.)
Macomic, Chester A., Chicago, Ill., assignor to Patent Product Corporation of Chicago, Wilmington, Del. Matrix strip for type-casting machines. 1,790,161; Jan. 27.
MacPhail, George, et al. (See Komarek, Gustav, assignor.)

MacPhail, James C., South Portland, Me., assignor to M. Zaiger, Swampscott, and L. Zaiger, Lynn, Mass. Fender guard. 1,800,272; Apr. 14.
MacPhee, Anderson, Meadowbrook, Pa. Heat exchanger. 1,810,286; June 16.
MacPherson, Roy G. (See McClain, Thomas H., assignor.)
MacRae, Duncan, East Orange, N. J., assignor to Westinghouse Lamp Company. Electron emitting device and making. 1,812,103; June 30.
Macrae, James N., Stamford, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y. Ignition mechanism for oil burners. 1,811,274; June 23.
Macrae, James N., Stamford, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y. Ignition mechanism. 1,830,326; Nov. 3.
Macrae, James N., and C. P. Packard, Stamford, Conn., assignors to Petroleum Heat and Power Company, New York, N. Y. Controlling apparatus for oil burners. 1,830,474; Nov. 3.
Macready, John A., assignor to Frigidaire Corporation, Dayton, Ohio. Drinking-water cooler fountain. Des. 83,687; Mar. 17.
Macready, John A., and H. H. Hodgson, assignors to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,825,748; Oct. 6.
Mac-Roh Sales & Manufacturing Co. (See Rohwedder, Otto F., assignor.)
Macumber, Ralph C., Portland, Me. Internal-combustion engine. 1,795,726; Mar. 10.
Macy, Alfred J., Evanston, Ill., assignor, by mesne assignments, to The Lake Erie Chemical Company, Cleveland, Ohio. Vault gas bomb. 1,792,023; Feb. 10.
Macy, Alfred J., Evanston, assignor of nineteen-sixtieths to J. L. Lynch, Oak Park, and forty-one sixtieths to Baritone Radio Corporation, Chicago, Ill. Multiple radio control. 1,828,901; Oct. 27.
Macy, Alfred J., Evanston, assignor to Baritone Radio Corporation, Chicago, Ill. Electric switch. 1,832,869; Nov. 24.
Macy, R. H., & Co. (See Dubassoff, Dmitri T., assignor.)
Macy, R. H. & Co. (See Fitzpatrick, William J., assignor.)
Macy, R. H., & Co. (See Long, William E., assignor.)
Madaras Rotor Power Corporation. (See Madarasz, Julius D., assignor.)
Madarasi, Louis, East Youngstown, Ohio. Safety aeroplane. 1,830,436; Nov. 3.
Madarasz, Julius D., Royal Oak, assignor to Madaras Motor Power Corporation, Detroit, Mich. Wind engine. 1,791,731; Feb. 10.
Maddaford, Francis S., Baltimore, Md. Jar. Des. 84,531; June 30.
Madden, James J., Lakewood, and J. Morgenstern, Cleveland, Ohio, said Madden assignor to said Morgenstern. Outlet box and cable clamping means therefor. 1,802,979; Apr. 28.
Madden, James P. (See Nieman, H. W., and Madden.)
Madden, John J., Charlestown, Mass. Fork. Des. 83,230; Feb. 3.
Madderra, James S., Butler, Okla. Seed planting device or the like. 1,830,283; Nov. 3.
Maddigan, Arthur G. (See Bean, B. A., jr., and Maddigan.)
Maddocks, Harmon R., Winchester, assignor to Devices-Corporation, Cambridge, Mass. Vacuum cleaning apparatus. 1,801,966; Apr. 21.
Maddox, John W., Marion, Md. Trap. 1,825,193; Sept. 29.
Maddox, Paul. (See Ellis, E. C., and Maddox.)
Madeira, Hill & Company. (See Wetter, John W., assignor.)
Mader, Joseph, assignor to S. L. Allen & Co., Inc., Philadelphia, Pa. Leaf guard for disk cultivators. 1,810,052; June 16.
Mader, Joseph, assignor to S. L. Allen & Co., Inc., Philadelphia, Pa. Leaf guard for rotary cultivators. 1,822,993; Sept. 15.
Mader, Lewis H., assignor to Graton & Knight Company, Worcester, Mass. Collar for dogs or other animals. 1,803,196; Apr. 28.
Madge, Evelyn W., Erdington, Birmingham, England, assignor to Dunlop Rubber Company, Limited. Manufacture of goods of rubber or similar material. 1,819,647; Aug. 18.
Madigan, Thomas J., New York, N. Y. Continuous rotary beater. 1,813,862; July 7.
Madigan, Thomas J., Brooklyn, N. Y. Electrical receptacle. 1,817,441; Aug. 4.
Madison, Harry, Council Bluffs, Iowa. Traction chain for vehicles. 1,835,659; Dec. 8.
Madison, John T. (See Chrisman, H., and Madison.)
Madison-Kipp Corporation. (See Kidd, Alvin S., assignor.)
Madison, Martin J. Tulsa, Okla. Vending machine. 1,804,221; May 5.
Madlung, Totila, Dessau in Anhalt, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Reeling of artificial threads. 1,790,063; Jan. 27.
Madonna, Harry, deceased, Conowinga, Md.; S. Madonna, administratrix, New York, N. Y. Excavator. 1,808,311; June 2.
Madonna, Sabby, administratrix. (See Madonna, Harry.)
Madore, Joseph A. E., Montreal, Quebec, Canada. Draft connection. 1,821,762; Sept. 1.
Madore, Maurice, Alfort, France. Mechanical preparation of pulverized solid materials. 1,812,799; June 30.
Madorsky, Samuel L., assignor to Gathmy's Research Corporation, Chicago, Ill. Reduction and reducing furnaces. 1,796,871; Mar. 17.
Madsen, Abner L., jr. (See Seelhoff, Robert G., assignor.)
Madsen, Carl T., Oak Park, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Handle for laundry irons. 1,817,924; Aug. 11.
Madsen, Charles P., New York, N. Y., assignor, by mesne assignments, to W. W. Varney, Baltimore, Md. Transmitting power. 1,813,502; July 7.
Madsen, Charles P., New York, N. Y., assignor, by mesne assignments, to W. W. Varney, Baltimore, Md. Sound generating means. 1,816,597; July 28.
Madsen, Charles P., New York, N. Y., assignor, by mesne assignments, to W. W. Varney, Baltimore, Md. Wave reproducing device and process concerning the same. 1,823,457; Sept. 15.
Madsen, Charles P., New York, N. Y., assignor, by mesne assignments, to W. W. Varney, Baltimore, Md. Phonograph. 1,835,794; Dec. 8.
Madsen, Christian, Bronx, N. Y. Lock for necklaces. 1,794,384; Mar. 3.
Madsen Iron Works. (See Madsen, Martin, assignor.)
Madsen, Martin, Monterey Park, assignor to Madsen Iron Works, Huntington Park, Calif. Portable asphalt mixing plant. 1,836,261; Dec. 15.
Madsen, Sern, assignor to Curtiss Companies, Incorporated, Clinton, Iowa. Cabinet construction. 1,788,883; Jan. 13.
Madsen, Sern, assignor to Curtis Companies, Inc., Clinton, Iowa. Ironing board and case therefor. 1,796,569; Mar. 17.
Madsen, Sern, assignor to Curtis Companies, Inc., Clinton, Iowa. Shelf rest. 1,829,009; Oct. 27.
Madsen, Tage, Gottenborg, Sweden. Expanding tool for piston rings. 1,795,177; Mar. 3.
Madsen, Viggo, Paris, France. Bust holder. 1,792,384; Feb. 10.
Madsenell Corporation. (See Dorsey, Frank M., assignor.)
Madsenell Corporation. (See Knauss, Frank V., assignor.)
Madvig, Gunnar, Alameda, Calif. Pole and rod supporting means. 1,795,657; Mar. 10.
Maeder, Marie, Glendale, Calif. Sliding desk leaf index. 1,827,027; Oct. 13.
Maehren, George, Pacific Grove, assignor of one-half to R. Ellio, Monterey, Calif. Releasable windshield. 1,793,370; Feb. 17.
Maerlender, Henry G. and H. A., Cleveland, Ohio. Radio receiving and amplifying system. 1,832,910; Nov. 24
Maerlender, Hugo A. (See Maerlender, H. G. and H. A.)
Mafera, Frank J., Revere, Mass. Forming wire fence fabric. 1,811,511; June 23.
Magarian, Masick C., Fresno, Calif. Coat hanger. 1,828,975; Oct. 27.
Magarisawa, Kwanichi. (See Sugimura, I., and Magarisawa.)
Magat, Charles, Paris, France. Alimentary substance and its manufacture. 1,815,519; July 21.
Magauran, Mrs. Ed. C. (See Isaacs, Lida S., assignor.)
Magazine Repeating Razor Company. (See Schick, Jacob, assignor.)
Magee Carpet Co., The. (See McCollum, Alfred F., assignor.)
Magee, Frank A., Chicago, Ill. Portable radio receiving set. 1,794,025; Feb. 24.
Magee, Frank A., assignor to Trav-ler Manufacturing Corporation, Chicago, Ill. Radio receiving device. 1,794,026; Feb. 24.
Magee, Frederick W., assignor of one-half to T. W. Baker, London, Ontario, Canada. Motorist's eyeshield. 1,803,338; May 5.
Magee, Frederick W., assignor of one-half to T. W. Baker, London, Ontario, Canada. Motorist's eye shield. 1,824,908; Sept. 29.
Magee, John H., Carthage, Mo. Structural building unit. 1,824,091; Sept. 22.
Magee, John J., Woodbury, N. J. Road breaking apparatus. 1,804,360; May 5.
Magee, Wilber R., Ann Arbor, Mich. Gauge for sheet metal edge bending machines. 1,831,311; Nov. 10.
Mager, Jörg, Berlin-Neukolln, Germany. Electro-acoustic musical instrument. 1,829,099; Oct. 27.
Mager, Lothar, assignor to Schnellbett Gesellschaft mit beschraenkter Haftung, Heidelberg Germany. Folding bed. 1,789,047; Jan. 13.
Magers, Henry B., Santa Fe, N. Mex. Combination rule and compass. 1,826,081; Oct. 6.
Maggio, Salvator, Pittsburgh, Pa. Trolley harp and wheel structure. 1,811,362; June 23.
Maggous, John N., Ann Arbor, Mich. Automobile signal. 1,839,039; Dec. 29.
Magic Clothes Line Company. (See Bankwitz, Frederick E., assignor.)
Magidson, Frank, assignor to Pittsburgh Tag Company, Pittsburgh, Pa. Tag fastener. 1,806,171; May 19.
Magill, Charles T., Clarkdale, Ariz. Speed reduction signal. 1,816,540; July 28.
Magill, Donald G., Chicago, Ill., assignor to American Can Company, New York, N. Y. Fiber can. 1,801,514; Apr. 21.
Magill, Donald G., Chicago, Ill., assignor to American Can Company, New York, N. Y. Fiber cracker caddy. 1,823,055; Sept. 15.

Magill, Herbert L., Chicago, Ill. Receptacle. 1,802,952; Apr. 28.
Magill, Paul L., Niagara Falls, assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company, New York, N. Y. Rectifying and treating hydrocarbon vapors. 1,807,924; June 2.
Magill-Weinsheimer Company. (See Backmyer, Christopher F., assignor.)
Magill-Weinsheimer Company. (See Rasmussen, Frank H., assignor.)
Magill-Weinsheimer Company. (See Skogh, Clifford W., assignor.)
Magin, John, South Milwaukee, Wis. Supporting collar for boring-bar blades. 1,797,615; Mar. 24.
Magis, Auguste, and A. Huet, Paris, France, assignors to The Superheater Company, New York, N. Y. Boiler. 1,829,870; Nov. 3.
Maglein, Albert W. (See Fugle, C. H., Ostenberg, Maglein, Trudo, and Newton.)
Magnan, Arthur U. (See Weber, Ralf E., assignor.)
Magnano Corporation. (See Magnano, Sebastiano, assignor.)
Magnano, Sebastiano, assignor to Magnano Corporation, Lawrence, Mass. Textile apparatus. 1,811,206; June 23.
Magnano, Sebastiano, assignor to Magnano Corporation, Lawrence, Mass. Textile machine. 1,811,675; June 23.
Magnant Mizael J., New Bedford, Mass. Line fastener. 1,793,330; Feb. 17.
Magnavox Company, The. (See Dempster, B., and Koonz, assignors.)
Magnavox Company, The. (See Pridham, Edwin S., assignor.)
Magnavox Company, The. (See Tolerton, Ray E., assignor.)
Magnenat, René P. (See Selby, W., and Magnenat.)
Magner, Edmund B. (See Torrence, Wilfred J., assignor.)
Magness, Grover C., and C. W. Drake, Mitchell, La. Variable speed transmission unit. 1,816,735; July 28.
Magnet-Werk G. m. b. H., Eisenach Specialfabrik für Elektromagnet-Apparate. (See Bing, Julius, assignor.)
Magnetic Analysis Corporation. (See Burrows, Charles W., assignor.)
Magnetic Analysis Corporation. (See Burrows, C. W., and Imes, assignors.)
Magnetic Analysis Corporation. (See Imes, Elmer S., assignor.)
Magnetic Analysis Corporation. (See Kinsley, Carl, assignor.)
Magnetic Organ Action Company. (See Waters, H. F., and Brown, assignors.)
Magnetic Pigment Company. (See Fireman, Peter, assignor.)
Magnetyp, S. A. (See Lenouvel, J. L., and Chapsal, assignors.)
Magney, Gottlieb R. (See Hyde, M. G., and Magney.)
Magney, Gottlieb R., W. H. Tusler, and L. E. Arnal, assignors to W. B. Foshay Co., Minneapolis, Minn. Display device for buildings. 1,806,634; May 26.
Magnin, Ernest S., Chicago, Ill. Automatically-inflatable buoy. 1,791,136; Feb. 3.
Magnolia Petroleum Company. (See Cochran, Ben L., assignor.)
Magnolia Petroleum Company. (See Fletcher, Arthur, assignor.)
Magnolia Petroleum Company. (See Francis, Alfred W., assignor.)
Magnus, John. (See Pasinski, W. J., and Magnus.)
Magnuson, Andrew W., Stockholm, Me. Hayfork. 1,794,699; Mar. 3.
Magnuson, John J., Waynesboro, Pa. Lubricating tip and employing the same. 1,823,618; Sept. 15.
Magnuson, Oscar E., Davenport, Iowa. Door latch. 1,835,660; Dec. 8.
Magoun, George L., and D. H. Tompkins, Nitro, W. Va., assignors to The Rubber Service Laboratories Company, Akron, Ohio. Metal pickling process. 1,816,860; Aug. 4.
Magrath, Charles B., Chicago, Ill. Heating device. 1,831,816; Nov. 17.
Magrath, George H., Whitinsville, Mass. Spindle clutch. Re17,964; Feb. 10.
Magrath, George H., Whitinsville, Mass. Bobbin clutch for spindles. 1,820,574; Aug. 25.
Magrath, George H., Whitinsville, Mass. Bobbin clutch. 1,821,186; Sept. 1.
Magrath, George H., Whitinsville, Mass. Bobbin clutch. 1,829,229; Oct. 27.
Magrath, George H., Whitinsville, Mass. Bobbin clutch. 1,830,845; Nov. 10.
Magrath, George H., Whitinsville, Mass. Spindle clutch. 1,834,412; Dec. 1.
Magrill, Alexander L., Dallas, Tex. Food product. 1,806,302; May 19.
Maguire, Carrie A. (See Maguire, Floyd E., assignor.)
Maguire, Edward J., Brooklyn, N. Y., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Preparing animal skins for tanning. 1,822,898; Sept. 15.
Maguire, Floyd E., Sharon Springs, Kans., assignor to C. A. Maguire, Cheyenne Wells, Colo. Fruit picker. 1,801,675; Apr. 21.
Mahan, John L., Grantsburg, Ill. Antiskid chain. 1,803,027; Apr. 28.
Mahan, Leonard D., Woodcliffe, N. J. Bluing and dyeing device. 1,800,692; Apr. 14.
Mahana, Charles G., Three Rivers, Mich., assignor to Fairbanks, Morse & Co., Chicago, Ill. Power transmission means. 1,808,240; June 2.
Mahannah, Alva, Sedgwick, Kans. End gate. 1,836,377; Dec. 15.
Mahannah, Everett A. (See Maxim, W. D., and Mahannah.)
Mahé Julien, Paris, France. Carburetor. 1,800,458; Apr. 14.
Maher, Bernard S., Oakland, Calif. Compression explosion engine. 1,836,179; Dec. 15.
Maher, Charles A., Tacoma, Wash. Container for paste tubes. 1,823,206; Sept. 15.
Maher, James H., Montreal, Quebec, Canada. Building construction. 1,812,055; June 30.
Mahler, George T. (See Bunce, E. H., and Mahler.)
Mahler, George T., E. C. Handwerk, and E. H. Bunce, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Condensing metallic vapors. 1,790,012; Jan. 27.
Mahler, Johann, assignor to the firm: Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft, Augsburg, Germany. Spraying nozzle. 1,793,234; Feb. 17.
Mahler, John J., New York, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last. 1,790,064; Jan. 27.
Mahler, Julius H., New York, N. Y. Net. 1,802,262; Apr. 21.
Mahlie, Carl C. (See Wehr, E. R., and Mahlie.)
Mahlstedt, Hans F., Gilman, Iowa. Hog trough. 1,796,297; Mar. 17.
Mahon, R. C., Company, The. (See Mahon, Russell C., assignor.)
Mahon, R. C., Company, The. (See Mahon, R. C., and Miller, assignors.)
Mahon, Russell C., assignor to The R. C. Mahon Company, Detroit, Mich. Spray booth. 1,828,609; Oct. 20.
Mahon, Russell C., and W. G. Miller, assignors to The R. C. Mahon Company, Detroit, Mich. Deck plate clip. 1,810,287; June 16.
Mahone, Francis D. (See Eddy, H. C., Worthington, and Mahone.)
Mahoney, Burton J., Chicago, Ill., assignor to Hoffmann High Pressure Equipment Company. Grease gun or the like. 1,807,421; May 26.
Mahoney, Burton J., Chicago, Ill., assignor to Hoffman High Pressure Equipment Company. Coupling. 1,828,505; Oct. 20.
Mahoney, Clarence, W. J. Conwell, and G. L. Sellers, assignors to G. I. Sellers and Sons Company, Elwood, Ind. Detachable leg. 1,800,148; Apr. 7.
Mahoney, Edward. (See Balinski, A. C., and Mahoney.)
Mahoney, John J., Taunton, Mass. Valve-seat-truing device. 1,796,208; Mar. 10.
Mahoney, John J., jr., and W. J. Carter, Chattanooga, Tenn., assignors to Tom Huston, Columbus, Ga. Display carton. 1,800,550; Apr. 14.
Mahoney, Joseph A., Brooklyn, and A. Zitzmann, Ozone Park, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Combined table and cover for telegraph printer. Des. 83,408; Feb. 17.
Mahoney, Joseph N., Brooklyn, N. Y., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Circuit interrupter. 1,839,107; Dec. 29.
Mahoney, William J., New York, N. Y. Amusement apparatus. 1,805,337; May 12.
Mahoning Savings and Trust Company. (See Lee, George E., assignor.)
Mahony, William J., Montreal, Quebec, Canada. Beater for foodstuffs. 1,826,356; Oct. 6.
Mahr Manufacturing Company. (See Hortvet, Richard M., assignor.)
Mahre, Frank, assignor of one-half to F. J. Mahre, Yakima, Wash. Power brush rake. 1,817,697; Aug. 4.
Mahre, Fred J. (See Mahre, Frank, assignor.)
Mai, Kurt, Stuttgart, Germany. Chin rest for violins and similar musical instruments. 1,821,811; Sept. 1.
Maib, Henry T. (See Little, L. E., and Maib.)
Maickel, Joseph. (See Dyas, R. L., and Maickel.)
Maier, Carl E., Chicago, Ill., assignor to International Harvester Company. Condenser. 1,832,036; Nov. 17.
Maier, Dwight C., Bryan, Ohio. Shaft keying device. 1,804,699; May 12.
Maier, Erich, Schwenning-on-the-Neckar, Germany, assignor to Western Clock Company, La Salle, Ill. Apparatus for timing clocks and watches. 1,793,333; Feb. 17.
Maier, George E., Los Angeles, Calif. Fluid induction device. 1,823,154; Sept. 15.
Maier, Gustav, Schramberg, Germany. Folding box. 1,796,035; Mar. 10.
Maier, Karl, Stuttgart, Germany, assignor to Union Special Maschinenfabrik, G. m. b. H. Throat plate for sewing machines. 1,795,373; Mar. 10.
Maier, Karl, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Threading device for sewing-machine stitching elements. 1,801,166; Apr. 14.
Maier, Karl, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Overedge sewing machine. 1,810,617; June 16.

Maier, Karl, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Strip guide for sewing machines. 1,827,596; Oct. 13.
Maier, Karl, and F. Lutz, assignors to Union Special Machinenfabrik, G. m. b. H., Stuttgart, Germany. Sewing machine for joining edge portions of fabric sections. 1,825,597; Sept. 29.
Maier, Karl, and F. Lutz, assignors to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Blindstitch sewing machine. 1,825,642; Sept. 29.
Maier, Robert. (See Conzelmann, H., and Maier.)
Maier, William, St. Louis, Mo. Cutting mechanism. 1,790,937; Feb. 3.
Maier, William, St. Louis, Mo. Cutting machine. 1,824,163; Sept. 22.
Maier, William G., Los Angeles, Calif. Bathing suit. 1,829,100; Oct. 27.
Maignen, Prosper J. A., Philadelphia, Pa. Fractional combustion apparatus. 1,804,174; May 5.
Maignen, Prosper J. A., Philadelphia, Pa. Fractional combustion apparatus. 1,810,670; June 16.
Maile, Evangeline, et al. (See Maile, Michael, assignor.)
Maile, Michael, Philadelphia, Pa. Train stop. 1,825,408; Sept. 29.
Maile, Michael, assignor of one-sixth to Evangeline Maile, one-sixth to Nicala Barattucci, and one-sixth to Angelo Chioli, Philadelphia, Pa. Train stop. 1,819,374; Aug. 18.
Mailey, Roy D., East Orange, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Thermostatically-controlled switch. 1,788,922; Jan. 13.
Mailey, Roy D., East Orange, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Mercury switch. 1,804,017; May 5.
Mailey, Roy D., East Orange, and W. J. Winninghoff, South Orange, assignors to General Electric Vapor Lamp Company, Hoboken, N. J. Glass-working machinery. 1,788,954; Jan. 13.
Mailey, Roy D., East Orange, and W. J. Winninghoff, South Orange, assignors to General Electric Vapor Lamp Company, Hoboken, N. J. Glass-working machinery. 1,789,011; Jan. 13.
Maillard, Cecile M. L., Nogent-le-Roy, France. Dispenser for pulverulent substances and the like. 1,804,943; May 12.
Maillard, Joseph E. B., Nogent-le-Roi, France. Distributor for pulverulent and pasty products. 1,816,383; July 28.
Maillard, Joseph E. B., Nogent-le-Roy, France. Dispenser for pulverulent and pasty substances. 1,832,313; Nov. 17.
Maillard Marie L., née Gougis, Nogent-le-Roy, France. Dispenser for pulverulent or pasty substances. 1,789,707; Jan. 20.
Mailloux, Harvey A., Haverhill, Mass. Webbing fastener retainer. 1,806,405; May 19.
Main, Frank L., Jackson, Mich., assignor, by mesne assignments, to Kelsey-Hayes Wheel Corporation. Split rim. 1,836,676; Dec. 15.
Main, Georges, Paris, France. Incandescent electric lamp. 1,796,468; Mar. 17.
Main, Thomas J., Lamar, Colo. Controller for electrical signs. 1,814,943; July 14.
Maina, Joseph. (See Farley, J., and Maina.)
Mainland, John, assignor to Advance-Rumely Company, La Porte, Ind. Combine. 1,799,306; Apr. 7.
Mains, Gerald H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Surface finishing for molded articles. 1,809,984; June 16.
Mains, Gerald H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Molded laminated gear blank. 1,824,825; Sept. 29.
Mains, Gerald H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resin. 1,835,510: Dec. 8.
Maintenance Equipment Company. (See Hamilton, Perry H., assignor.)
Mair, John E., Mars, Pa., assignor to National Electric Products Corporation. Switch box. 1,808,050; June 2.
Maire, Alfred, St. Imier, and A. Béguelin, Renan, Switzerland. Safety lock. 1,809,486; June 9.
Maison, Edmund R., Mount Clemens, Mich. Propeller. 1,809,131; June 9.
Maisto, Colombo. (See Miasto, Louis F., assignor.)
Maisto, Louis F., assignor of one-half to C. Maisto, Brooklyn, N. Y. Combined cigar lighter and watch. Des. 85,589; Nov. 17.
Maisto, Louis F., assignor of one-half to Colombo Maisto, Brooklyn, N. Y. Combination pocket smoker's accessory. 1,819,427; Aug. 18.
Maiuri, Guido, and R. F. Bossini, London, England, assignors to Platen-Munters Refrigerating System, Aktiebolag, Stockholm, Sweden. Absorption refrigerating system. 1,798,946; Mar. 31.
Maiwurm, Paul, San Diego, Calif. Supporting apparatus for aircraft propulsion and sustaining means. 1,789,529; Jan. 20.
Maiwurm, Paul, San Diego, Calif. Aircraft-propulsion means. 1,790,162; Jan. 27.
Maiwurm, Paul, San Diego, Calif. Aircraft control mechanism. 1,828,253; Oct. 20.
Maizner, Julius F., White Plains, N. Y. Denture. 1,814,717; July 14.
Majer, Christian, Tubingen, Germany. Apparatus for drying sleeves. 1,822,158; Sept. 8.
Majestic Company, The. (See Redrup, W. D., and Gustafson, assignors.)
Majestic Company, The. (See Triggs, Kenneth F., assignor.)
Majestic Household Utilities Corporation. (See Burton, Frank C., assignor.)
Majestic Metal Specialties Inc. (See Leshin, Joseph, assignor.)
Majewski, Joseph M., jr., Kansas City, Mo. Tablet. Des. 84,750; July 28.
Majewski, Walter, Chicago, Ill. Hair waver. 1,837,561; Dec. 22.
Major Equipment Co. (See Major Roscoe E., assignor.)
Major, Harry V., London, England. Dampening appliance. 1,789,763; Jan. 20.
Major, Joseph, Paterson, N. J. Power-driven hoe. 1,801,017; Apr. 14.
Major, Ralph M., Evansville, Ind., assignor to Servel Inc., New York, N. Y. Testing for leaks in refrigerating systems. 1,800,693; Apr. 14.
Major, Roscoe E., assignor to Major Equipment Co., Inc., Chicago, Ill. Roundel holder. 1,806,209; May 19.
Major, Roscoe E., Chicago, Ill., assignor to Major Equipment Co., Ind. Lamp socket. 1,808,782; June 9.
Major, Sidney E., and E. F. Baker, South Yarra, Australia. Low pressure liquid fuel burner. 1,803,067; Apr. 28.
Makepeace, D. E., Company. (See Rohman, William A., assignor.)
Maker, Dewey L., and G. H. Myers, assignors to General Motors Corporation, Detroit, Mich. Brake mechanism. 1,838,951; Dec. 29.
Maker, Frank L., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Sealing construction for tanks. 1,831,020; Nov. 10.
Maker, John A., Duluth, Minn. Gum massaging device. 1,818,146; Aug. 11.
Maker, John A., Duluth, Minn. Teething and exercising device. 1,826,943; Oct. 13.
Makinster, Glenn E., assignor, by mesne assignments, to Jordan & Taylor, Inc., Los Angeles, Calif. Valve construction for gas pumps. 1,827,091; Oct. 13.
Makowski, John F., Stockton, Calif., assignor to Fireproof Wall Co. Tile-forming machine. 1,789,558; Jan. 20.
Makowski, John F., Oakland, Calif., assignor of one-half to Fireproof Wall Company. Fastening clip. 1,803,632; May 5.
Makowski, John F., Oakland, Calif, assignor to Fireproof Wall Company, Reno, Nev. Conduit assembly. 1,805,990; May 19.
Makowski, John F., Oakland, Calif., assignor to Fireproof Wall Company, Reno, Nev. Conduit coupling collar. 1,810,142; June 16.
Makranczy, Theodore A., Los Angeles, Calif. Separable key. 1,807,540; May 26.
Makutchan, Ralph W., Chicago, Ill. Elevator construction. 1,826,357; Oct. 6.
Malacos, Peter, Galveston, Tex. Airplane. 1,798,093; Mar. 24.
Malaguti, Charles D., Boston, Mass. Counter stiffener. 1,824,358; Sept. 22.
Malapeta, Vasele N., Terminous, Calif. Undershirt puller. 1,810,363; June 16.
Malby, A. J. (See Trainor, Foster J., assignor.)
Malby, Seth G., Tenafly, assignor to Aluminum Screw Machine Products Company, Edgewater, N. J. Making plugs. 1,791,035; Feb. 3.
Malcher, Otto, Chicago, Ill. Registering scale. 1,815,310; July 21.
Malcik, William. (See Sitz, A. R., and Malcik.)
Malcolm, James F., assignor to Revonah Spinning Mills, Hanover, Pa. Bobbin. 1,834,032; Dec. 1.
Malcolm, Joseph R., and J. L. Spence, jr., New York, N. Y.; said Spence assignor to said Malcolm. Apparatus for film printers. 1,836,607; Dec. 15.
Malcom, Robert, Chicago, Ill. Goggles. 1,799,242; Apr. 7.
Malcom, Robert, Chicago, Ill. Face and head protector. 1,820,237; Aug. 25.
Malcom, Robert, Chicago, Ill. Respirator. 1,827,028; Oct. 13.
Malcom, Robert, Chicago, Ill. Goggle headband fastening means. 1,829,010; Oct. 27.
Malcom, Robert, et al. (See Moran, J. L., and Lee, assignors.)
Malcolm, Thomas J., Natchez, Miss. Musical instrument key busher. 1,813,751; July 7.
Malcolmson, James D., assignor to Robert Gair Company, New York, N. Y. Two-piece carton satchel. 1,798,612; Mar. 31.
Malenković, Basilius R. V., Neulengbach, Lower Austria, Austria. Compound adapted for the preservation of wood. 1,795,658; Mar. 10.
Maletz, Guido, Baltimore, Md. Twine holding and dispensing device. 1,806,812; May 26.
Maley, Alfred W., and E. M. Taunton, Handsworth, Birmingham, England. Braking of electrically-propelled rail vehicles. 1,790,826; Feb. 3.
Maley, Thomas C. (See Ohmer, J. F., and Maley.)
Malherbe, Félix J., Brussels, Belgium. Process of and mixture for increasing the durability of linings of furnaces or ovens and the like. 1,797,780; Mar. 24.
Malicher, Joseph, New York, N. Y. Lamp shade. 1,797,689; Mar. 24.
Malinite Products, Inc. (See Malinovszky, Andrew, assignor.)

Malinovszky, Andrew, South Gate, assignor to Malinite Products, Inc., Los Angeles, Calif. Making tile. 1,819,686; Aug. 18.
Mall, Ivor O., New Orleans, La., assignor to Bethlehem Steel Company. Resilient rail anchorage. Re17,947; Feb. 3.
Mallabar, Herbert J., Watford, England. Manufacture of composite glass. 1,802,213; Apr. 21.
Mallard, Logan L., Norfolk, Va. Figure toy. 1,801,676; Apr. 21.
Mallard, Logan L., Norfolk, Va. Game apparatus. 1,803,265; Apr. 28.
Malleable Iron Fittings Company. (See Pickop, George B., assignor.)
Malleable Iron Fittings Company. (See Smith, Woodruff R., assignor.)
Malleable Iron Fittings Company. (See Williams, Rolland G., assignor.)
Mallery, Arlington H., Poughkeepsie, assignor to Mallery Process Corporation, New York, N. Y. Treating carbonaceous materials to produce gaseous mixtures. 1,818,901; Aug. 11.
Mallery, Arlington H., Poughkeepsie, and E. M. Hicks, Kingston, N. Y. Brick handling mechanism. 1,818,728; Aug. 11.
Mallery Process Corporation. (See Mallery, Arlington H., assignor.)
Malles, Ralph E., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency indicator. 1,813,942; July 14.
Mallet, Herbert. (See De Veau, J. T., and Mallet.)
Mallett, Charles S., Toronto, Ontario, Canada, assignor to General Electric Company. Electric heater. 1,837,975; Dec. 22.
Mallett, Hugh, Bradford, Ill. Pipe. 1,828,149; Oct. 20.
Mallette, Cyrus. (See Skaggs, Mert C., assignor.)
Mallgraf, Ferdinand, Little Neck, assignor to The American Tobacco Company, New York, N. Y. Display device. 1,793,861; Feb. 24.
Mallgraf, Ferdinand, Little Neck, assignor to The American Tobacco Company, New York, N. Y. Display device. 1,793,862; Feb. 24.
Mallina, Rudolph F., Atlantic City, N. J., assignor to Victor Talking Machine Company. Member or structure vibrated by energy impulses. 1,813,579; July 7.
Mallina, Rudolph F., Atlantic City, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Magazine talking machine. 1,838,101; Dec. 29.
Mallinckrodt, Armin A., Webster Groves, Mo. Dial cleaner. 1,791,218; Feb. 3.
Mallinckrodt Chemical Works. (See Mallinckrodt, Edward, jr., assignor.)
Mallinckrodt Chemical Works. (See Mallinckrodt, E., jr., and Farr, assignors.)
Mallinckrodt Chemical Works. (See Mallinckrodt, E., jr., Farr, and Hall, assignors.)
Mallinckrodt, Edward, jr., assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Filler mechanism. 1,828,117; Oct. 20.
Mallinckrodt, Edward, jr., St. Louis, and H. V. Farr, Ferguson, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Preserving ether. 1,814,718; July 14.
Mallinckrodt, Edward, jr., St. Louis, and H. V. Farr, Ferguson, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Method and apparatus for preserving ether. 1,829,529; Oct. 27.
Mallinckrodt, Edward, jr., St. Louis, H. V. Farr and L. P. Hall, Ferguson, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Packaging ether and the product thereof. 1,807,598; June 2.
Mallinger, John, Woodbury, N. J. Braking device for vehicles. 1,831,919; Nov. 17.
Mallison, Harry D., Philadelphia, Pa., assignor to National Pneumatic Company, New York, N. Y. Pneumatic door-lock cylinder. 1,813,943; July 14.
Mallory, Marion, Toledo, Ohio. Circuit breaker and making the same. 1,831,184; Nov. 10.
Mallory, P. R., & Co. (See Weiger, Joseph A., assignor.)
Mallory, P. R., & Co. Incorporated. (See Shoemaker, Harry, assignor.)
Malloy, Frank J. (See Donovan, J. F., and Malloy.)
Malloy, James A. (See Bissonnette, Joseph O., assignor.)
Malls, Harry, Philadelphia, Pa. Safety pad for shipping radio sets and the like. 1,822,899; Sept. 15.
Malm, Carl J. (See Clarke, H. T., and Malm.)
Malmberg, Anders M. (See Robinson, H. C., and Malmberg.)
Malmgren, Edward A. (See Trezona, C., and Malmgren.)
Malmquist, Adolph K., South Bellingham, Wash. Can sealing machine. 1,809,905; June 16.
Malocsay, Francis X., Saddle River, N. J. Lettering device. 1,792,233; Feb. 10.
Malocsay, Francis X., Upper Saddle River, N. J., assignor to International Banding Machine Company. Cigar banding machine. 1,812,704; June 30.
Malone, Adolph W., Fillmore, Utah, assignor of one-third to A. H. Vestal, Anderson, Ind., and one-third to E. S. Healy, New York, N. Y. Pole. Re18,196; Sept. 15.
Malone, Joseph E., assignor of forty per cent to D. O'Connell, Worcester, Mass. Carbonating apparatus. 1,808,854; June 9.
Maloney, Norvin G., jr., Key West, Fla. Regenerative atomizing and vaporizing device. 1,813,305; July 7.
Malouf, William M. (See Lynn, R. M., and Malouf.)
Malouf, William M., assignor, by direct and mesne assignments, to Atomic Power Corporation, Salt Lake City, Utah. Attachment for internal combustion engines. 1,806,406; May 19.
Malsbary, Job F., Fresno, Calif. Blow-off valve for hot-water systems. 1,828,195; Oct. 20.
Malsbury, Charles A. and F. E., Joplin, Mo. Shoe. 1,801,051; Apr. 14.
Malsbury, Florence E. (See Malsbury, Charles A. and F. E.)
Maltby, Arthur T., Chicago, Ill. Process and apparatus for treating sewage or other organic matters. 1,811,181; June 23.
Maltby, Lewis C., assignor to Stone Straw Corporation, Washington, D. C. Cut-off mechanism for tube machines. 1,817,996; Aug. 11.
Malum, Frank D. A., assignor of two-thirds to B. H. Colegrove, Redondo Beach, Calif. Rotary platen typewriting machine. 1,839,108; Dec. 29.
Malvern, Edmund N., Quitman, Mo., and W. W. Jones, Los Angeles, Calif., assignors of two-thirds to said Malvern and one-third to said Jones. Sack handle and filler. 1,798,094; Mar. 24.
Maly, John, New York, N. Y. Hack saw. 1,792,024; Feb. 10.
Mamarcheff, Dimiter. (See Shopis, K., and Mamarcheff.)
Mambourg, Leopold, Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Temperature control means for molten glass. 1,805,218; May 12.
Mambourg, Leopold, Lancaster, assignor to Libbey-Owen-Ford Glass Company, Toledo, Ohio. Sheet width maintaining device. 1,805,250; May 12.
Mambourg, Leopold, Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,810,920; June 23.
Mambourg, Leopold, Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass flowing apparatus. 1,810,921; June 23.
Mambourg, Leopold, Lancaster, assignor to Libbey-Owens-Ford-Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,818,231; Aug. 11.
Mambourg, Leopold, Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet forming mechanism. 1,818,232; Aug. 11.
Mambourg, Leopold, Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass producing apparatus. 1,822,704; Sept. 8.
Mambourg, Leopold, Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Furnace construction. 1,828,843; Oct. 27.
Mambourg, Leopold, Lancaster, assignor to The Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,831,629; Nov. 10.
Mambourg, Luke C. (See Drake, J. L., and Mambourg.)
Mambourg, Luke C., Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing sheet glass. 1,812,599; June 30.
Mambourg, Luke C., Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,836,378; Dec. 15.
Mambourg, Nestor, Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet-glass apparatus. 1,788,923; Jan. 13.
Mambourg, Nester, Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Introducing batch ingredients into glass melting furnaces. 1,822,705; Sept. 8.
Mamiya, Fusajiro, Los Angeles, Calif. Vehicle traffic signal. 1,807,629; June 2.
Mamiya, Fusajiro, Los Angeles, Calif. Traffic signal actuating apparatus. 1,819,518; Aug. 18.
Mamor, Armand. (See Stevens, C. E., and Mamor.)
Mample, Adolph Z., Glen Rock, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Coupling for pneumatic tubes, etc. 1,799,855; Apr. 7.
Management and Finance Corporation. (See Stewart, James A., assignor.)
Management Engineering and Development Company, The. (See Zimmerman, Walter J., assignor.)
Manchee, Vincent T. (See Macdonald, F., Allen, Ritchie, and Manchee.)
Manchester, Clyde C., assignor, by mesne assignments, to The Tillotson Manufacturing Company, Toledo, Ohio. Air cleaner. 1,791,732; Feb. 10.
Manchester Oxide Company Limited, The. (See Scholefield, Fred, assignor.)
Mancini, Michael Q., Bethesda, Md. Shoe heel. 1,818,233; Aug. 11.
Mancini, Ugo, Milan, Italy, assignor to Ruth-Aldo Company, Incorporated, New York, N. Y. Apparatus for spinning artificial threads from solutions of cellulose ethers or esters. 1,809,303; June 9.
Mancusi, Pasquale, assignor to Pursmoke Pipe Company, New York, N. Y. Tobacco pipe. 1,804,018; May 5.
Mancuso, Peter N., Hollywood, Calif. Mop wringing apparatus. 1,816,861; Aug. 4.
Mandalian, Sahatiel G., North Attleboro, Mass. Mesh fabric. 1,817,519; Aug. 4.
Mandelbaum, Malvin R. (See Nisson, P. S., and Mandelbaum.)
Manderfeld, Emanuel C., Bonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator system. 1,792,650; Feb. 17.

Mandeville, John L., Arlington, N. J., assignor to Oxweld Acetylene Company. Acetylene generator. 1,809,521; June 9.
Mandler, Eugen, assignor to the firm Climax Motorenwerke und Schiffswerft Linz A. G., Vienna, Austria. Cylinder of internal-combustion engines. 1,791,824; Feb. 10.
Mando Company Incorporated. (See Doman, Albert E., assignor.)
Mandt, Obert G., assignor to The Jaeger Machine Company, Columbus, Ohio. Weighing mechanism for concrete components. 1,788,580; Jan. 13.
Maney, Thomas, Louisville, Ky. Lubricating device. 1,820,815; Aug. 25.
Manfredi, Pietro, J., Brooklyn, N. Y., assignor to De Meo Brothers, New York, N. Y. Combined lamp and manicure-supply tray or article of similar nature. Des. 83,409; Feb. 17.
Mangano, Charles L., Gouverneur, N. Y. Shingle. 1,819,717; Aug. 18.
Manger, Charles F. (See Bentley, P. A., Manger, and Wainwright.)
Manges, Beatrice I., Cleveland, Ohio. Pea shucker. 1,808,470; June 2.
Mangiapane, Vincent. (See Noble, Joseph S., assignor.)
Mangin, James, New Brunswick, N. J. Outlet box. 1,795,224; Mar. 3.
Mangin, James, New Brunswick, N. J. Combination receptacle and support for electric fixtures. 1,796,036; Mar. 10.
Mangin, James, New Brunswick, N. J. Outlet box. 1,796,037; Mar. 10.
Mangin, James, New Brunswick, N. J. Hanging fixture connecter. 1,823,619; Sept. 15.
Manhattan Electrical Supply Company. (See Hendry, William F., assignor.)
Manhattan Electrical Supply Company. (See Smith, Henry, assignor.)
Manhattan Spring & Couch Co. (See Massacese, Vincenzo, assignor.)
Manico, Leonard, London, England, assignor, by mesne assignments, to Fuller Company. Conveying apparatus for pulverized material. 1,796,381; Mar. 17.
Manierre, George, Milwaukee, Wis. Conveyer. 1,792,501; Feb. 17.
Manifold, Richard G., assignor to The Frontier Development Company, Los Angeles, Calif. Steam purifying apparatus. 1,808,424; June 2.
Manifold Supplies Company. (See Foster, Arthur L., assignor.)
Manion, Charles H., and C. W. Kinter, Follansbee, W. Va. Apparatus for cleansing metal sheets. 1,791,101; Feb. 3.
Manion, Frank L. (See Kenney, Francis L. M., assignor.)
Manison, Grant N. (See Colvin, I. E., Manison, and Walters.)
Manker, Frank B., Philadelphia, Pa., assignor to The Barrett Company, New York, N. Y. Saturating double width felt. 1,831,630; Nov. 10.
Mankó, Jozsef, Ozd, Hungary, assignor of one-half to G. Kovacs, Warrensville, Ohio. Mowing machine. 1,806,480; May 19.
Manley, Job R., East Liverpool, Ohio. Self-serving beverage fountain. 1,798,095; Mar. 24.
Manley, Job R., East Liverpool, Ohio. Measuring faucet. 1,811,724; June 23.
Manley, Joseph F., Scranton, Pa. Brush for cleaning artificial dentures. 1,805,587; May 19.
Manley Manufacturing Company. (See Manley, Robert E., assignor.)
Manley Manufacturing Company, The. (See Manley, R. E., and Flinchbaugh, assignors.)
Manley, Robert E., York, Pa. Lifting device. 1,799,307; Apr. 7.
Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Brake-band-drilling machine. 1,791,072; Feb. 3.
Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Drill support. 1,791,073; Feb. 3.
Manley, Robert E., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oil. 1,792,234; Feb. 10.
Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Tire changer. 1,793,863; Feb. 24.
Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Automatic tire changer. 1,793,864; Feb. 24.
Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Dolly. 1,804,997; May 12.
Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Hydraulic jack. 1,805,588; May 19.
Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Press frame. 1,807,297; May 26.
Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Service runway. 1,817,997; Aug. 11.
Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Jaw. 1,819,428; Aug. 18.
Manley, Robert E., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,825,324; Sept. 29.
Manley, Robert E., assignor to Manley Manufacturing Company, York, Pa. Light wrecking crane. 1,825,359; Sept. 29.
Manley, Robert E., and F. T. Flinchbaugh, assignors to The Manley Manufacturing Company, York, Pa. Mechanical jack. 1,818,077; Aug. 11.
Manley, Robert E., and F. T. Flinchbaugh, assignors to The Manley Manufacturing Company, York, Pa. Screw operated tire changer. 1,836,540; Dec. 15.
Manley, Robert E., and M. L. Langworthy, Port Arthur, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Preparation of adsorbent material. 1,796,799; Mar. 17.
Manly, Fred G., assignor, by mesne assignments, to G. I. Goldwyn and H. Goldwyn, Chicago, Ill., copartners doing business as Goldwyn Brothers. Folding cot. 1,806,358; May 19.
Manly, Roy H., Birmingham, Ala. Underscoring apparatus for typewriters. 1,818,078; Aug. 11.
Mann, Brady M., Pampa, Tex. Musical instrument. 1,788,313; Jan. 6.
Mann, Hubert, New York, N. Y. Electrical appliance. 1,797,007; Mar. 17.
Mann, John C. (See Butler, E. W., and Mann.)
Mann, John M., Philadelphia, Pa. Variable speed reducer. 1,818,807; Aug. 11.
Mann, John V., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Bobbin holder for creels of spinning frames and the like. 1,821,656; Sept. 1.
Mann, Leon, Mount Vernon, N. Y., assignor to Holed-Tite Packing Corporation. Packing for fragile articles. 1,791,629; Feb. 10.
Mann, Leon, Mount Vernon, N. Y., assignor, by mesne assignments, to Holed-Tite Packing Corporation. Packing container for fragile articles. 1,809,559; June 9.
Mann, Matthew D., jr., Roselle, N. J., assignor to Standard Oil Development Company. Stable mixture of petroleum hydrocarbons and secondary alcohols. 1,811,552; June 23.
Mann, Matthew D., jr., Roselle, and A. Holmes, Newark, N. J., assignors to Standard Oil Development Company. Treating sludges obtained on refining petroleum oils with sulphuric acid. 1,838,030; Dec. 22.
Mann, Robert E., Venice, Calif. Ellipsograph. 1,837,912; Dec. 22.
Mann, William R., Sharon, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and contact structure therefor. 1,816,052; July 28.
Manne, Lawrence, Rockford, Ill. Powder blower. 1,813,182; July 7.
Mannesmannrohren-Werke, the firm. (See Gradl, Josef, assignor.)
Mannich, Charles, Berlin-Steglitz, Germany. Aldehyde base and manufacture of same. 1,824,676; Sept. 22.
Manning, Bowman & Co. (See Farr, Edward A., assignor.)
Manning, Bowman & Co. (See Tassie, Benjamin M., assignor.)
Manning, Bowman & Co. (See Young, Allan M., assignor.)
Manning & Co. (See Hollister, Don C., assignor.)
Manning & Co. (See Leamy, Alan H., assignor.)
Manning & Co. (See Van Ranst, Cornelius W., assignor.)
Manning, Jesse L., et al. (See Wilson, Stephen G., assignor.)
Manning, John, Baine Harbor, Newfoundland. Woodworking bench plane. 1,804,507; May 12.
Manning, Joseph P., Sawtelle, Calif. Collar attachment. 1,787,868; Jan. 6.
Manning, Maxwell & Moore, Inc. (See Dustan, Frank, assignor.)
Manning, Maxwell & Moore, Inc. (See Dustan, F., and Cross, assignors.)
Manning, Maxwell & Moore, Inc. (See Fickett, E. L., and Stocking, assignors.)
Manning, Maxwell & Moore, Inc. (See Forman, William O., assignor.)
Manning, Prentice H., Bowling Green, Mo. Combined clutch release and brake setting device. 1,820,359; Aug. 25.
Manning, William. (See Heyworth, J., Packman, and Mold, assignors.)
Manning, William H., Pontiac, assignor to General Motors Coporation, Detroit, Mich. Constant clearance poppet valve. 1,826,402; Oct. 6.
Manning, William J., Philadelphia, Pa. Multiple electrical fuse. 1,833,652; Nov. 24.
Manns, Walter H., Rocky River, Ohio. Equalizing mechanism. 1,831,631; Nov. 10.
Mano, William. (See Maas, Frederick, assignor.)
Mano, William, Flushing, N. Y. Pipe joint compound. 1,822,663; Sept. 8.
Manoil, Jack, Brooklyn, N. Y. Clock case. Des. 83,556; Mar. 3.
Manrose Mercantile Co. (See Gasner, Philip and S., assignors.)
Mansel, Paul, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Stamping apparatus for registration of any desired values of business or work operations. 1,820,751; Aug. 25.
Mansfeld, Frederick H., Houston, Tex. Trolley plane. 1,813,245; July 7.
Mansfield, Frank W., assignor to G. H. Mansfield & Co. Inc., Canton, Mass. Reel seat clamp for fishing rods. 1,837,623; Dec. 22.

Mansfield, G. H., & Co. Inc. (See Mansfield, Frank W., assignor.)
Mansfield, George D., Philadelphia, Pa. Auxiliary connecting device for automatic telephone switchboards. 1,799,916; Apr. 7.
Mansfield, John W., Detroit, Mich. Straight-pin pinning attachment for presses. 1,791,967; Feb. 10.
Mansfield, Judson H., and C. F. Penrose, assignor to Greenlee Bros. & Co., Rockford, Ill. Thread cutting means for automatic screw machines. 1,812,660; June 30.
Mansfield, Judson H., and C. F. Penrose, assignors to Greenlee Bros. & Co., Rockford, Ill. Screw machine. 1,825,749; Oct. 6.
Mansfield, Ralph G., La Salle, N. Y., assignor to Union Carbide Company. Pneumatically feeding granular material into a liquid. 1,835,070; Dec. 8.
Manske, Richard H. F., New Haven, Conn., assignor to Eli Lilly and Company, Indianapolis, Ind. Producing ephedrine and structurally similar compounds and products of such process. 1,799,110; Mar. 31.
Mansker, Abraham, Dorchester, Mass., and D. Baum, Livermore Falls, Me., assignors to Pepperell Manufacturing Company, Boston, Mass. Shoe bag. 1,822,780; Sept. 8.
Manson Chemical Company. (See Manson, George J., assignor.)
Manson, George J., Hawkesbury, Ontario, Canada, assignor, by mesne assignments, to Manson Chemical Company, Montclair, N. J. Paper. 1,800,551; Apr. 14.
Manson, Ralph H., Pittsburgh, Pa., assignor to Hubbard and Company. Insulator support. 1,788,245; Jan. 6.
Manson, Ralph H., Pittsburgh, Pa., assignor to Hubbard & Company. Pole bracket. 1,798,613; Mar. 31.
Mansur, Cecil T., Hardin, Mo. Starting switch for automobile engines. 1,815,415; July 21.
Mansur, Clarence W., Malden, Mass., assignor to General Electric Company. Nonmetallic gear wheel and the like. 1,834,855; Dec. 1.
Mantei, Franz F., assignor to F. J. Haas, Stuttgart, Germany. Die-casting machine. 1,793,110; Feb. 17.
Mantel Lamp Company of America, The. (See Fairchild, A. M., and Rathburn, assignors.)
Manteris, Arthur N., Baton Rouge, La. Butter dispensing machine. 1,819,960; Aug. 18.
Manternach, Paul, St. Paul, Minn. Dental apparatus. 1,799,695; Apr. 7.
Mantha, William L., Bayport, N. Y. Marine gear-lock transmission. 1,800,946; Apr. 14.
Mantius, Otto, New York, N. Y. Apparatus for washing pulp. 1,788,840; Jan. 13.
Mantius, Otto, New York, N. Y. Washing pulp. 1,790,714; Feb. 3.
Mantle, Gregory D., and T. W. Munford, Pittsburgh, Pa., assignors, by mesne assignments, to Surface Combustion Company, Toledo, Ohio. Air heater and operating the same. 1,790,870; Feb. 3.
Mantle, Joseph G. C., Leonia, N. J. Art of extruding cold materials. 1,819,254; Aug. 18.
Mantle Lamp Company of America, The. (See Davis, Cortland W., assignor.)
Mantle Lamp Company of America, The. (See Pettibone, Stanley A., assignor.)
Mantonya, John. (See Paul, E., and Mantonya.)
Mantz, Aloysius F., Los Angeles, Calif. Duplex spring sash balance. 1,836,080; Dec. 15.
Mantz, August C., Walla Walla, Wash. Pendulum counter governor. 1,789,368; Jan. 20.
Manuel, Elisio R. (See Borgo, C., and Manuel, E. R.)
Manufacture Metallurgique de Tournus. (See Reinold, Louis, assignor.)
Manufacturers Machinery Company. (See Mudd, Garrett W., assignor.)
Manufactures De Corcho S. A. (See Vincke, Enrique, assignor.)
Manufax Limited. (See Lingwood, Fredrich D.)
Manville, E. J., Machine Company, The. (See Bauck, Theodore H., assignor.)
Manville, E. J., Machine Company, The. (See Pracny, John E., assignor.)
Manville, George D., assignor of one-fourth to C. W. Ford, Los Angeles, Calif. Chimney breast-wall bed. 1,815,358; July 21.
Manville, Henrietta P., New Haven, assignor to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Gaiter or similar waterproof rubber footwear. Des. 83,628; Mar. 10.
Manville, Henrietta P., New Haven, assignor to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Gaiter or similar waterproof rubber footwear. Des. 83,629; Mar. 10.
Manville, Henrietta P., New Haven, assignor to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Gaiter or similar waterproof rubber footwear. Des. 83,630; Mar. 10.
Manville Jenckes Company. (See Merriman, Isaac B., assignor.)
Manville, Keith R., Highland Park, N. J., assignor to International Motor Company, New York, N. Y. Gear transmission. 1,791,137; Feb. 3.
Manville, Keith R., Highland Park, N. J., assignor to International Motor Company, New York, N. Y. Flywheel vibration damper. 1,838,023; Dec. 22.
Manz Corporation. (See Olsen, Christen, assignor.)
Manz, Paul, Newark, N. J. Automatic traffic signal. 1,790,827; Feb. 3.
Manzel, Adolph W. F., assignor to Manzel Bros. Co., Buffalo, N. Y. Shock absorber. 1,807,422; May 26.
Manzel Bros. Co. (See Manzel, Adolph W. F., assignor.)
Manzler, Clarence H., Rochester, N. Y. Appointment book. 1,819,429; Aug. 18.
Manzoli, Giuseppe, Turin, Italy, assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway switch operating mechanism. 1,819,473; Aug. 18.
Mapel, Clarence O., assignor to Portable Adding Machine Company, Chicago, Ill. Printing mechanism for calculating machines. 1,812,161; June 30.
Mapel, Lewis A., assignor to Automatic Appliance Company, St. Louis, Mo. Diaphragm pressure gauge. 1,798,692; Mar. 31.
Mapel, Thomas H., Bloomington, Ill. Time light system. 1,816,686; July 28.
Ma Peña, José, Tampico, Mexico. Horn attachment for string musical instruments. 1,814,767; July 14.
Mapes, Daniel, Mamaroneck, assignor to Walter Kidde & Company, Inc., New York, N. Y. Fire extinguishing apparatus. 1,818,147; Aug. 11.
Mapes, Herman C., and A. A. Knowles, Los Angeles, Calif. Arm signal switch. 1,834,467; Dec. 1.
Maple, Roy H., Indianapolis, Ind. Thermostatic circuit breaker. 1,812,162; June 30.
Maples, Jack B., Middlesboro, Ky. Power hoist curtain. 1,837,129; Dec. 15.
Mapson, Robert L., Los Angeles, assignor of one-half to R. L. Greer, San Diego, Calif. Motor vehicle toy apparatus. 1,825,968; Oct. 6.
Maradeo, Peter, Nesquehoning, Pa. Separation jig. 1,811,756; June 23.
Maraguglio, Frank, Newark, N. J. Holdfast for cables. 1,833,786; Nov. 24.
Maranda, Albert H., assignor to The Union Switch & Signal Company, Swissvale, Pa. Lever mechanism for interlocking machines. 1,791,469; Feb. 3.
Maranville, Harvey F., assignor to The General Tire & Rubber Company, Akron, Ohio. Forming tires. 1,823,566; Sept. 15.
Marasco, Pasquale, Newark, N. J. Burner. 1,828,779; Oct. 27.
Marathon Battery Company. (See Ruhoff, O. E., and Schroeder, assignors.)
Marathon Electric Mfg. Co. (See Gilburg, Roy O., assignor.)
Maratti Société Anonyme. (See Seifert, Otto, assignor.)
Maravalli, Joseph. (See Everhart, Audley F., assignor.)
Marbelite Corporation of America. (See Waggoner, Ralph, assignor.)
Marble, Robert A. (See Edwards, J. H., and Marble.)
Marble, Edwin H., assignor to Curtis & Marble Machine Company, Worcester, Mass. Revolver for cloth shearing machines. 1,832,717; Nov. 17.
Marburg, Hans, Berlin-Halensee, assignor to Telephon-Apparate Fabrik E. Zwietusch & Co., G. m. b. H., Berlin-Charlottenburg, Germany. Cartridge separating device for pneumatic tube plants. 1,823,056; Sept. 15.
Marbury, Ralph E., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Self-clearing fused sectionalized capacitor. 1,823,328; Sept. 15.
Marbury, Ralph E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fused sectionalized condenser. 1,823,368; Sept. 15.
Marbury, Thomas K., Meridian, Miss. Absorption refrigeration apparatus and system. 1,821,812; Sept. 1.
Marcalus, Nicholas, Elizabeth, N. J., assignor to Automatic Paper Machinery Co. Inc. Box for dispensing rolled paper. 1,816,384; July 28.
Marcalus, Nicholas, Lynbrook, N. Y., assignor to Automatic Paper Machinery Co. Inc. Wax paper package. 1,827,029; Oct. 13.
Marcell, Lila H., et al. (See Hammond, Harry, assignor.)
Marcell, Stanley, et al. (See Hammond, Harry, assignor.)
Marcelle, Isaac J., Buffalo, N. Y. Arch correcting member. 1,811,640; June 23.
Marcelle, Isaac J., Buffalo, N. Y. Arch correcting insert for shoes. 1,811,641; June 23.
Marcellus, Brooks. (See Peterson, B. H. and Marcellus.)
March, Carl, Chicago, Ill. Moth ball holder. 1,831,677; Nov. 10.
Marchal, Joseph P. (See Gerber, A. H., and Marchal.)
Marchand, Adolph, Jackson Heights, New York, N. Y. Mirror. Des. 84,426; June 16.
Marchand, Adolph, Jackson Heights, N. Y. Movable reflector. 1,832,492; Nov. 17.
Marchant Calculating Machine Company. (See Friden, Carl M. F., assignor.)
Marchant, Guy O., et al. (See Walker, Jay P., assignor.)
Marchant, Rodney H., Oakland, and A. E. Jurs, Piedmont, Calif., assignors to National Sanitary Valve Corporation, Carson City, Nev. Toilet flush valve. 1,814,396; July 14.
Marchant's Foundry Co. (See Scott, William B., assignor.)
Marchaut, Pierre J., St.-Denis, France. Pressure controlling means for compressors. 1,833,613; Nov. 24.
Marchbanks, Maurice J. (See Davis, N. R., Marchbanks, and Ludlow.)
Marchiano, Rinaldo, Genoa, Italy. Gas meter. 1,794,633; Mar. 3.
Marchioni, Frank A., Rutherford, N. J., assignor of one-half to Louis X. Garfunkel, New York, N. Y. Coin collector and receptacle. 1,838,317; Dec. 29.

Marchner, Michael H., Prescott, Ariz. Hood fastener. 1,834,791; Dec. 1.
Marciano, Frank G., assignor to Universal Optical Corporation, Providence, R. I. Eyeglass frame. Des. 83,631; Mar. 10.
Marciano, Frank G., assignor to Universal Optical Corporation, Providence, R. I. Eyeglass frame. 1,838,775; Dec. 29.
Marciano, Gerardo F., assignor to Universal Optical Corporation, Providence, R. I. Spectacle frame. Des. 84,897; Aug. 18.
Marcin, Michael J., assignor of one-half to D. MacKenzie, Trenton, N. J. Treating carbonaceous articles. 1,804,361; May 5.
Marckworth, Otto S., Columbus, Ohio. Electrical device and making the same. 1,811,725; June 23.
Marcroft, William, Cranston, and J. A. Molloy, Apponaug, R. I., assignors to Universal Winding Company, Boston, Mass. Creel. 1,824,356; Sept. 22.
Marcum, Alfred, Louisville, Ky. Rotary engine. 1,817,492; Aug. 4.
Marcum, Arthur I., Oakland, Calif. Road vehicle. 1,825,194; Sept. 29.
Marcum, Arthur I., Oakland, Calif., assignor to Emerson-Brantingham Corporation, Rockford, Ill. Electric heater casing. Des. 85,881; Dec. 29.
Marcum, Arthur I., Oakland, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Road vehicle. 1,815,416; July 21.
Marcum, Arthur I., Oakland, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Driving and torquing arrangement for road vehicles. 1,816,981; Aug. 4.
Marcum, Arthur I., Oakland, Calif., assignor, by mesne assignments, to Automotive Engineering Corporation. Steering and torquing arrangement. 1,818,902; Aug. 11.
Marcum, Edna L., et al. (See Marcum, George L., assignor.)
Marcum, Ethel, administratrix. (See Marcum, George L.)
Marcum, George L., et al. (See Marcum, George L., assignor.)
Marcum, George L., deceased; E. Marcum, administratrix, assignor of sixty-five per cent to E. Marcum, individually and as legal guardian for E. L. Marcum and G. L. Marcum, fifteen per cent to W. C. Brown, and twenty per cent to C. O. Burress, Williamson, W. Va. Combination framing tool. 1,797,213; Mar. 17.
Marcus, Charles, New York, assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Engine starting apparatus. 1,811,949; June 30.
Marcus, Charles, New York, assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,824,826; Sept. 29.
Marcus, Charles L., New York, N. Y. Wall construction. 1,790,938; Feb. 3.
Marcus, Henry C., San Francisco, Calif. Cigarette box. 1,837,824; Dec. 22.
Marcus, Samuel, Brooklyn, N. Y., assignor, by mesne assignments, to Markon Manufacturing Co. Inc., New York, N. Y. Producing doll heads. 1,792,174; Feb. 10.
Marcus, Samuel, Riverdale, N. Y., assignor to Markon Manufacturing Co., Inc., New York, N. Y. Doll head. 1,792,175; Feb. 10.
Marcus, Samuel, Riverdale, N. Y., assignor to Markon Manufacturing Co., Inc., New York, N. Y. Eye set. 1,792,176; Feb. 10.
Marcus, Samuel, Riverdale, assignor to Markon Manufacturing Co., Inc., New York, N. Y. Rolling eyes for dolls. 1,800,738; Apr. 14.
Marcus, Samuel, Riverdale, and A. Fuertinger, assignors to Markon Manufacturing Co., Inc., New York, N. Y. Eye set. 1,792,177; Feb. 10.
Marcus, Samuel, Riverdale, and A. Konoff, assignors to Markon Manufacturing Co., Inc., New York, N. Y. Eye set. 1,795,729; Mar. 10.
Marcus, Samuel, Brooklyn, and A. Konoff, assignors to Markon Manufacturing Co., Inc., New York, N. Y. Doll eye mounting. 1,809,053; June 9.
Marcus, Samuel, Riverdale, and A. Konoff, New York, assignors, by mesne assignments, to Margon Corporation, New York, N. Y. Mounting for doll eyes. 1,818,635; Aug. 11.
Marcus, Samuel, Riverdale, assignor, by mesne assignments, to Margon Corporation, New York, N. Y. Tongue and teeth set for dolls and the like, and tool for attaching the same. 1,832,465; Nov. 17.
Marcuson, Alfred, Exeter, Calif. Automobile signal. 1,787,693; Jan. 6.
Marcuson, Alfred, Exeter, Calif. Wrench. 1,794,085; Feb. 24.
Marcy, Grosvenor D., Newton Highlands, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,817,925; Aug. 11.
Marczinczek, Carl, Oakland, Calif. Tenacious and fireproof composition. 1,800,024; Apr. 7.
Marczukowski, Alexander, South Boston, Mass. Curtain-rod fixture. 1,799,802; Apr. 7.
Marden, Clarence S., Albany, N. Y. Towel rack. 1,788,166; Jan. 6.
Marden, John W. (See Driggs, F. H., and Marden.)
Marden, John W., East Orange, N. J., assignor to Westinghouse Lamp Company. Electron-emission device. 1,795,730; Mar. 10.
Marden, John W., East Orange, N. J., assignor to Westinghouse Lamp Company. Preparation of ductile uranium. 1,814,721; July 14.
Marden, John W., East Orange, N. J., assignor to Westinghouse Lamp Company. Introduction of alkali metals into evacuated containers. 1,835,117; Dec. 8.
Marden, John W., East Orange, N. J., assignor to Westinghouse Lamp Company. Making electron emission devices. 1,838,776; Dec. 29.
Marden, John W., and H. C. Rentschler, East Orange, N. J., assignors to Westinghouse Lamp Company. Electron-emission material. 1,787,694; Jan. 6.
Marden, John W., and H. C. Rentschler, East Orange, N. J., assignors to Westinghouse Lamp Company. Ductile thorium and making the same. 1,814,719; July 14.
Marden, John W., and M. N. Rich, East Orange, N. J., assignors to Westinghouse Lamp Company. Preparation of ductile vanadium. 1,814,720; July 14.
Marden, John W., and H. C. Rentschler, East Orange, N. J., assignor to Westinghouse Lamp Company. Preparation of an oxide-free halide of a rare refractory metal. 1,826,806; Oct. 13.
Marden, John W., and E. A. Lederer, East Orange, N. J., assignors to Westinghouse Lamp Company. Alkali metal tube. 1,835,118; Dec. 8.
Marden, William L., Elmhurst, assignor to Neptune Meter Company, New York, N. Y. Cut off mechanism for meters. 1,831,965; Nov. 17.
Mardon, Albert E. (See Rayburn, George B., assignor.)
Mardsden, Jonathan S., Edgerton, Wis. Automatic garage door opening and closing device. 1,808,673; June 2.
Marelli, Attilio, Union City, N. J. Milk bottle lock. 1,815,720; July 21.
Maret, Ernst P., St. Louis, and W. W. Wissmann, Maplewood, Mo. Cooling apparatus. 1,798,266; Mar. 31.
Marette, Jacques, assignor to Pathé Cinéma Anciens Établissements Pathé Frères, Paris, France, Incandescent electric lamp for projection apparatus. 1,825,078; Sept. 29.
Margolith, Mordicha, Los Angeles, Calif. Life preserver. 1,798,479; Mar. 31.
Margon Corporation. (See Grubman, Leo J., assignor.)
Margon Corporation. (See Konoff, A., and Fuertinger, assignors.)
Margon Corporation. (See Marcus, Samuel, assignor.)
Margon Corporation. (See Marcus, S., and Konoff, assignors.)
Margon Corporation. (See Nemcovsky, Louis A., assignor.)
Margulies, Irving W., New York, N. Y. Attachment for dental tools. 1,825,880; Oct. 6.
Margulis, Peter H., New York, N. Y. Overshoe. 1,809,522; June 9.
Margulis, Peter H., New York, N. Y. Arctic, shoe, or overshoe. 1,821,471; Sept. 1.
Marian, Josef, Vienna, Austria. Bottle capping machine. 1,810,838; June 16.
Mariani, Frank N., New York, N. Y. Automobile radiator cap ornament. Des. 85,663; Dec. 1.
Mariani, Frank, assignor to Wm. Demuth & Co., New York, N. Y. Body for a portable cigar and cigarette lighter. Des. 83,822; Mar 31.
Mariani, Frank, assignor to Best Die Casting and Stamping Company, Incorporated, New York, N. Y. Hinged mirror for automobile doors. Des. 84,252; May 26.
Marie, Peter C., Pittsburgh, Pa. Walking toy. 1,803,197; Apr. 28.
Marien, Charles A., assignor to Ramsey Accessories Mfg. Corporation, St. Louis, Mo. Piston ring. 1,802,566; Apr. 28.
Marien, Charles A., assignor to Ramsey Accessories Mfg. Corporation, St. Louis, Mo. Piston ring expander. 1,834,067; Dec. 1.
Marietta Manufacturing Co. (See Hitchcock, Forrest L., assignor.)
Marin, Joseph M. I., and D. S. Rubens, Jersey City, N. J. Necktie. 1,815,675; July 21.
Marindin, Henri L., Watertown, Conn., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Signal horn. 1,794,308; Feb. 24.
Marinelli, Marco, Providence, R. I. Finger ring. 1,794,784; Mar. 3.
Marinello Company. (See Andrews, Neal R., assignor.)
Mariner & Hoskins, Inc. (See Respess, William R., assignor.)
Marino, Vincent, Haverhill, Mass. Removable heel lift. 1,808,963; June 9.
Marinsky, Davis, New York, N. Y. Sanitary napkin. 1,800,739; Apr. 14.
Marion, Alexander M., Pittsburgh, and E. C. Gerry, Canonsburg, Pa. Retreating longwall face mining machine. 1,824,727; Sept. 22.
Marion, Charles E. (See Brahy, Charles, assignor.)
Marion, Jean. (See Rouiller, G., and Marion.)
Marion Machine Foundry & Supply Co. (See Erlewine, Walter W., assignor.)
Marion Machine Foundry & Supply Company. (See Kincannon, Leo T., assignor.)
Marion Steam Shovel Company, The. (See Ferguson, Berlin S., assignor.)
Marion Steam Shovel Company, The. (See Shelton, Dwight J., assignor.)

Marion Steel Body Company, The. (See Clark, Thomas H., assignor.)
Maris, Fred D., Arlington, Wash. Pipe wrench. 1,803,198; Apr. 28.
Marischal, Omer, St. Die, France. Adjustable level. 1,815,949; July 28.
Marischka, Carl, Vienna, Austria. Combined gas and steam generator. 1,792,178; Feb. 10.
Marish, Joseph G., Portland, Oreg. Hoist attachment for automobile trucks. 1,799,917; Apr. 7.
Maritime Fish Corporation Limited. (See Barry, James J., assignor.)
Mark, Clayton B., Lebanon, Pa. Axle attachment 1,834,249; Dec. 1.
Mark, Warren L., Millersburg, Pa. Whisk broom. 1,797,008; Mar. 17.
Markel, Claude, New York, N. Y. Automatic shut-off device for valves. 1,831,021; Nov. 10.
Markel Electric Products, Inc. (See Logan, Charles W., assignor.)
Markel Electric Products. (See McFadden, Glenn E., assignor.)
Markem Machine Company. (See Fletcher, Harry R., assignor.)
Markem Machine Company. (See Putnam, F. A., and Cheeseman, assignors.)
Marker, John N. (See Preston, Frank G., assignor.)
Markey, George T., assignor to James Manufacturing Company, Fort Atkinson, Wis. Egg tray and egg-tilting mechanism. 1,796,872; Mar. 17.
Markey, George T., assignor to James Manufacturing Company, Fort Atkinson, Wis. Air mixer and circulator. 1,837,458; Dec. 22.
Markgren, Nels F., Los Angeles, Calif. Automobile window control. 1,832,870; Nov. 24.
Markham, Charles M., Toledo, Ohio. Shore head bracket. 1,825,912; Oct. 6.
Markham, William H. (See Kahlow, A., and Markham.)
Markle, George B., jr., assignor to Hazleton Manufacturing Co., Hazleton, Pa. Casket. Des. 84,707; July 21.
Markley, Edward H., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Packing-ring retainer. 1,798,746; Mar. 31.
Markley, Thomas E., Los Angeles, Calif. Instrumentality of frame construction. 1,793,706; Feb. 24.
Markley, Thomas E., Los Angeles, Calif. Support. 1,793,707; Feb. 24.
Marklund, Charles O., assignor to The Sentinal Fire Alarm Company, Dunedin, New Zealand. Fire alarm. 1,800,801; Apr. 14.
Markon Manufacturing Co. (See Marcus, Samuel, assignor.)
Markon Manufacturing Co. (See Marcus, S., and Konoff, assignors.)
Markon Manufacturing Co. (See Nemcovsky, Louis A., assignor.)
Markon Manufacturing Co. (See Wilhelm, John H., assignor.)
Markon Manufacturing Co. Inc. (See Marcus S., and Fuertinger, assignors.)
Markovich, Peter, Gig Harbor, Wash. Lock. 1,832,134; Nov. 17.
Markowitz, Louis, Indianola, Pa. Mechanical toy. 1,823,749; Sept. 15.
Markowitz, Louis M., San Francisco, Calif. Pencil attachment. 1,822,994; Sept. 15.
Markowitz, Milton, Indianola, Pa. Toy aeroplane. 1,791,366; Feb. 3.
Marks, Alexander, Chicago, Ill., assignor to Otis Elevator Company, New York, N. Y. Elevator safety apparatus. 1,803,762; May 5.
Marks, Clarence. (See Schork, D., and Marks.)
Marks, Dan G., Los Angeles, Calif. Toilet tank water softening device. 1,803,860; May 5.
Marks, Edward S., assignor, by mesne assignments, to Franklin Development Corporation, Syracuse, N. Y. Thermostatically-controlled damper for air-cooled engines. 1,800,026; Apr. 7.
Marks, Edward S., assignor, by mesne assignments, to Franklin Development Corporation, Syracuse, N. Y. Thermostatically operated shutter for air cooled engines. 1,829,048; Oct. 27.
Marks, Edward S., assignor, by mesne assignments, to Franklin Development Corporation, Syracuse, N. Y. Crank case ventilator. 1,830,846; Nov. 10.
Marks, Erminie I., Harrison, N. Y. Hand covering. 1,817,385; Aug. 4.
Marks, George A., Chicago, Ill. Combined lamp arm and base. Des. 85,252; Sept. 29.
Marks, H. E., Corporation. (See Land, George E., assignor.)
Marks, Herbert E., Glen Osborne, Sewickley, Pa., assignor to United States Gypsum Company, Chicago, Ill. Form for supporting monolithic slabs of cementitious material. 1,819,906; Aug. 18.
Marks, Nicholas J., et al. (See Hoffman, David E., assignor.)
Marks, Paul J., Rochester, N. Y. Camera. 1,792,997; Feb. 17.
Marks, Paul J., Rochester, N. Y. Camera. 1,800,025; Apr. 7.
Marks, Theresa R., et al., executors. (See Rosenstein, Sidney.)
Markson, Clemens J., Philadelphia, Pa. Locking mechanism. 1,806,694; May 26.
Markson, Clemens J., Philadelphia, Pa. Dispensing case. 1,825,805; Oct. 6.
Markson Manufacturing Co. (See Marcus, S., and Konoff, assignor.)
Markt, Lloyd, Oregon, Mo. Baling press. 1,808,425; June 2.
Markus, Peter, Kansas City, Mo. Inflatable safety device. 1,798,430; Mar. 31.
Markus, Ralph M., Chicago, Ill. Machine for mending runs in fabrics. 1,825,806; Oct. 6.
Markus, Ralph M., Chicago, Ill. Machine for mending runs in knitted fabrics. 1,832,939; Nov. 24.
Markwell, Harry D. (See Arrasmith, C. C., and Markwell.)
Markwitz, Reinhold. (See Nickel, O., and Markwitz.)
Marlboro Shirt Company. (See Rosenbloom, Isadore, assignor.)
Marles, Henry, assignor to Gemmer Manufacturing Company, Detroit, Mich. Roller-bearing cage and forming the same. 1,794,634; Mar. 3.
Marles, Henry, assignor to Gemmer Manufacturing Company, Detroit, Mich. Steering column construction. 1,806,172; May 19.
Marles, Henry, assignor to Gemmer Manufacturing Company, Detroit, Mich. Engine control mechanism for steering gears. 1,821,942; Sept. 8.
Marles, Henry, assignor to Gemmer Manufacturing Company, Detroit, Mich. Roller bearing. 1,822,053; Sept. 8.
Marlin, George W. (See Fedderman, G. C., and Marlin.)
Marlin-Rockwell Corporation. (See Barish, Thomas, assignor.)
Marlin-Rockwell Corporation. (See Parsons, Harry N., assignor.)
Marlow, Alfred S., Lincoln Park, N. J. Open discharge pump. 1,834,957; Dec. 8.
Marlow, Chiel W., and H. G. Marlow, Atlanta, Ga. Bell housing support. 1,827,532; Oct. 13.
Marlow, Henry G. (See Marlow, Chiel W., and H. G.)
Marlowe, Albert L. (See Sadusky, T. A., Marlowe, and Miller.)
Marlowe, Emory C., and T. P. Prather, Lexington Ky. Box. 1,798,333; Mar. 31.
Marmon, Nathaniel C., Caldwell, Idaho. Supporting device for brooms or similar articles. Des. 85,845; Dec. 22.
Marmon Motor Car Company. (See Freers, George H., assignor.)
Marmorstein, Heinrich, Chicago, Ill. Decorating article of pottery and the like. 1,818,729; Aug. 11.
Marmorstein, Herman I., New York, N. Y. Clock. 1,821,066; Sept. 1.
Marple, Rollo, assignor to Hancock Manufacturing Co., Charlotte, Mich. Escutcheon plate. 1,787,988; Jan. 6.
Marple, Rollo, assignor to Hancock Manufacturing Co., Charlotte, Mich. Latch for vehicle doors. 1,801,439; Apr. 21.
Marple, Rollo, assignor to Hancock Manufacturing Co., Charlotte, Mich. Latch for vehicle doors. 1,801,440; Apr. 21.
Marqua, William A., assignor to The Frank F. Taylor Company, Incorporated, Cincinnati, Ohio. Velocipede. Re18,225; Oct. 13.
Marquard, Frank F., Clairton, Pa. Removing naphthalene from solvent naphtha. 1,801,097; Apr. 14.
Marquardt, Frank C., Brooklyn, assignor to American Bank Note Company, New York, N. Y. Dating attachment for rotary printing machines. 1,797,354; Mar. 24.
Marquardt, Reinhold W., Milwaukee, Wis. Infant's dressing table. 1,835,661; Dec. 8.
Marquette, Charles I., Tremont, Pa. Air washer and humidifying device. 1,790,991; Feb. 3.
Marquette Manufacturing Co. (See Akins, Clifford M., assignor.)
Marquette Manufacturing Company. (See Heimburger, Douglas D., assignor.)
Marquette Manufacturing Company. (See Nathe, Charles G., jr., assignor.)
Marquette Manufacturing Company. (See Nilson, Leonard D., assignor.)
Marquette Manufacturing Company. (See Nordgren, Algot W., assignor.)
Marquette, Melvon A., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Vulcanizing rubber articles. 1,790,011; Jan. 27.
Marquette Tool & Mfg. Company. (See Rode, Fredrich J., assignor.)
Marquette Tool & Mfg. Company. (See Rode, Fredrich J., assignor.)
Marquette Tool & Mfg. Company, et al. (See Rode, Fredrich J., assignor.)
Marquis, Sydney, assignor to The Ross Manufacturing Company, Cleveland, Ohio. Wheel dresser. 1,833,845; Nov. 24.
Marr, Rizal M., assignor of one-half to American Iron & Machine Works, Inc., Oklahoma City, Okla. Packing off tool. 1,824,283; Sept. 22.
Marr, William H., Port Arthur, Tex. Automatic phonograph. 1,802,152; Apr. 21.
Marr, William H., South Oil City, Pa. Glass surfacing machine. 1,813,412; July 7.
Marresford, Eugene F. (See Patterson, M., and Marresford.)
Marrinan, James W. (See Marrinan, Michael J., M. J., and J. W.)
Marrinan, Martin J. (See Marrinan, Michael J., M. J., and J. W.)

Marrinan, Michael J., M. P. Marrinan, and J. W. Marrinan, St. Paul, Minn. Animal-holding crate. 1,788,924; Jan. 13.
Marriner, B. A. (See Peebles, Niles, assignor.)
Marriner, Thomas J. (See Griffin, E. V., Marriner, and Parsons.)
Marriott, Alexander D., Denver, Colo., assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Classification apparatus. 1,827,894; Oct. 20.
Marriott, Hugh F., London, England. Steam generator or water heater. 1,826,358; Oct. 6.
Marriott, Robert Henry, Brooklyn, N. Y. Power limiting device. 1,836,379; Dec. 15.
Marris, Charles E., jr., et al. (See Cook, Harry, assignor.)
Marrison, Warren A., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency-control system. 1,788,533; Jan. 13.
Marrison, Warren A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Piezo electric device. 1,823,329; Sept. 15.
Marrison, Warren A., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Inductance coil. 1,836,808; Dec. 15.
Marron, Richard F., assignor of one-third to L. O. Cline, Los Angeles, Calif. Wheel securing means. 1,816,687; July 28.
Marrone, Frank. (See Fusco, J., Lascari, and Marrone.)
Marsalle, Lola. (See Kasarinoff, Valerian, assignor.)
Marsat, Antoine J. B., Verrieres-le-Buisson, France. Machine serving to determine or verify the position of the filaments of an electric lamp. 1,815,109; July 21.
Marschke, Fredrich W. and W. A., assignors to Marschke Manufacturing Company, Indianapolis, Ind. Swinging grinder. 1,800,307; Apr. 14.
Marschke Manufacturing Company. (See Marschke, Fredrich W. and W. A. assignors.)
Marschke Manufacturing Company. (See Marschke, William A., assignor.)
Marschke, Reinhold B., St. Paul, Minn. Collapsible concealing ladder. 1,805,829; May 19.
Marschke, William A. (See Marschke, Fredrich W. and W. A.)
Marschke, William A., assignor to Marschke Manufacturing Company, Indianapolis, Ind. Buffer or grinder. 1,828,540; Oct. 20.
Marsden, John E., Philadelphia, Pa. Bottle or similar article. Des. 84,644; July 14.
Marsden, William R., Brooklyn, N. Y. Pile shell for concrete piles. 1,799,918; Apr. 7.
Marsden, William R., Brooklyn, N. Y. Composite pile. 1,832,404; Nov. 17.
Marsey, James W., Leavenworth, Kans. Shock absorber. 1,818,414; Aug. 11.
Marsh, C. A., & Co. Inc. (See Gould, Charles W., assignor.)
Marsh, Charles F., Toronto, Ontario, Canada. Attachment for cutting torches. 1,792,317; Feb. 10.
Marsh, Clarence W., Cos Cob, Conn. Electrolytic cell. 1,828,872; Oct. 27.
Marsh, Clifford M., Glens Falls, N. Y. Front-wheel steer and drive unit. 1,789,242; Jan. 13.
Marsh, Esli A. (See Menke, E. W., and Marsh.)
Marsh, Esli A., Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Yielding propeller. 1,814,171; July 14.
Marsh, Frank W., Danvers, Mass. Container for use in packing and handling merchandise. 1,831,920; Nov. 17.
Marsh, George H. (See Milanovich, John, assignor.)
Marsh, Gilbert C., Akron, Ohio, assignor to Hartford-Empire Company, Hartford, Conn. Feeding molten glass. 1,828 229; Oct. 20.
Marsh, Hallan N., Huntington Park, Calif. Pipe racking device. 1,812,351; June 30.
Marsh, Harry S., Brooklyn, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Transmitter. 1,795,341; Mar. 10.
Marsh, Harry V., Chicago, Ill. Folding easel. 1,798,267; Mar. 31.
Marsh, Harry V., Chicago, Ill. Swinging sign. 1,836,380; Dec. 15.
Marsh, Harry V., Chicago, Ill. Swinging sign. 1,838,230; Dec. 29.
Marsh, Henry, assignor to Grennan Bakeries, Inc., Chicago, Ill. Cooky display stand. 1,821,313; Sept. 1.
Marsh, Howard E., Lompoc, Calif. Mechanism for actuating windshield wipers and the like. 1,815,158; July 21.
Marsh, Jas. P., & Company. (See Faber, Guy S., assignor.)
Marsh, Jas. P., & Company. (See Joyce, Harold L., assignor.)
Marsh, Jas. P., & Company. (See Rudolph, Walter J., assignor.)
Marsh, Joseph A., assignor of one-third to S. F. Marsh, Dupont and one-third to J. R. Reap, Avoca, Pa. Bobbin holder. 1,831,502; Nov. 10.
Marsh, Joseph R. C., Chicago, Ill. Iron or steel and making or treating same. 1,838,425; Dec. 29.
Marsh, Melville A., assignor to A. Kimball Company, New York, N. Y. Pin ticket and the like. 1,802,980; Apr. 28.
Marsh Stencil Machine Company. (See Marsh, Walt, assignor.)
Marsh, Stephen F., et al. (See Marsh, Joseph A., assignor.)
Marsh, Walt, assignor to Marsh Stencil Machine Company, Belleville, Ill. Fountain brush. 1,811,512; June 23.
Marsh, Walter H., Pittsburgh, Pa. Pump. Des. 85,882; Dec. 29.
Marshak, Samuel A., Brooklyn, N. Y. Bottle support or similar article. Des. 85,834; Dec. 22.
Marshall Asbestos Corporation. (See Slade, Edward, assignor.)
Marshall & Bruce Co. (See White, William B., assignor.)
Marshall, Charles O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Advertising device. 1,822,537; Sept. 8.
Marshall, Claude. (See Pearson, L. H., and Marshall.)
Marshall, Clinton E., Brooklyn, N. Y. Guard for presses. 1,810,364; June 16.
Marshall, David L., Philadelphia, Pa. Equalizing combustion unit. 1,795,309; Mar. 10.
Marshall, Dorothy W. (See Jones, G., and Marshall.)
Marshall Drug Company, The. (See Marshall, George G., assignor.)
Marshall Field & Company. (See Boland, Joseph P., assignor.)
Marshall Field Mills Corporation. (See Clark, Eugene F., assignor.)
Marshall, George G., Shaker Heights, assignor to The Marshall Drug Company, Cleveland, Ohio. Beverage container. Des. 84,947; Aug. 25.
Marshall, George P., Washington, D. C. Store. Des. 83,461; Feb. 24.
Marshall, George P., Washington, D. C. Store. Des. 83,823; Mar. 31.
Marshall, Hamilton L. J., Montgomery, Ala. Comb. 1,823,850; Sept. 15.
Marshall, Helen H. (See Marshall, John W., assignor.)
Marshall, Henry H., Highland Park, assignor to Brunswick-Kroeschell Company, New Brunswick, N. J. Liquid cooling apparatus. 1,826,253; Oct. 6.
Marshall, Ira W. (See Prescott, L. A., and Marshall.)
Marshall, James E., assignor, by mesne assignments, to Winchester Repeating Arms Company, New Haven, Conn. Skate roll. 1,813,944; July 14.
Marshall, James F., assignor to Whitin Machine Works, Whitinsville, Mass. Ring and holder for spinning and twisting frames. 1,835,071; Dec. 8.
Marshall, James G., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Apparatus for feeding electric furnace electrodes. 1,827,852; Oct. 20.
Marshall, John S. C., and G. S. Clayton, London, England. Liquid measuring device. 1,834,628; Dec. 1.
Marshall, John W., deceased, New York; F. J. Seaman and R. Hastings, administrators, Tupper Lake, N. Y., assignors to H. H. Marshall, Baltimore, Md. Reenforced paper and process and machine to be employed in the manufacture of the same. 1,821,067; Sept. 1.
Marshall, Joseph, assignor to Boot's Pure Drug Company Limited, Nottingham, England. Amyl-cresols and process for making. 1,789,410; Jan. 20.
Marshall, Kenneth I., assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for electrical treatment of gases containing corrosive material and mercury. 1,801,515; Apr. 21.
Marshall, Kenneth I., assignor to International Precipitation Company, Los Angeles, Calif. Electrical precipitation apparatus. 1,813,306; July 7.
Marshall, Kenneth I., assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for condensing and collecting mercury from gases containing the same together with corrosive substances. 1,835,169; Dec. 8.
Marshall, Lelia, Buffalo, N. Y. Necktie supporter. 1,829,049; Oct. 27.
Marshall, Leonard J., Westwood, N. J., assignor to International Combination Engineering Corporation, New York, N. Y. Bent tube boiler. 1,810,365; June 16.
Marshall, Leonard J., Westwood, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Apparatus for reheating steam for use in turbines. 1,818,996; Aug. 18.
Marshall, Paul K., Pittsburgh, Pa., assignor to The Higgin Manufacturing Company, Newport, Ky. Tension bar and lock. 1,833,169; Nov. 24.
Marshall & Stearns Company. (See Smith, Arthur M., assignor.)
Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Deck construction for vehicle bodies. 1,807,298; May 26.
Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Supporting the operating mechanism for windshields. 1,818,636; Aug. 11.
Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Seat construction. 1,830,119; Nov. 3.
Marshalltown Manufacturing Company. (See Ruopp, George F., assignor.)
Marsik, Albert V., Jackson Heights, N. Y. Telephone loud-speaker. 1,801,098; Apr. 14.
Marsilius, Newman M., assignor, by mesne assignments, to The Products Machine Company, Bridgeport, Conn. Self lubricating die set pin. 1,832,493; Nov. 17.
Marsland, Roland, Moylan, and O. N. Bryant, Moores, Pa., assignors to Westinghouse Electric and Manufacturing Company. Fluid pressure relay. 1,822,445; Sept. 8.

Marston, George H., Cambridge, Mass. Automobile rubber-cushioned buffer front. 1,795,727; Mar. 10.
Marston, Solomon A., Seattle, Wash. Coupling. 1,801,872; Apr. 21.
Marstrander, Wilhelm T., Newcastle-upon-Tyne, England. Life-saving means for ships. 1,801,516; Apr. 21.
Mart, Leon T., Kansas City, Mo. Steam separator. 1,789,315; Jan. 20.
Martell, Charles, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Composition of matter and its preparation. 1,829,997; Nov. 3.
Martell, Charles, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Composition of matter and its preparation. 1,829,998; Nov. 3.
Martenot, Maurice L. E., Neuilly-sur-Seine, France. Electric musical instrument. 1,824,402; Sept. 22.
Märtens, Wilhelm, Bremen, Germany. Magnifying glass. 1,804,105; May 5.
Martin, A. W., et al. (See Sparks, Jay G., assignor.)
Martin, Albert L., Shaker Heights, assignor to The Vichek Tool Company, Cleveland, Ohio. Merchandise display box. 1,816,598; July 28.
Martin, Albert W. and J. N., Indianapolis, Ind. Locomotive fluid pressure piston rod remover. 1,819,782; Aug. 18.
Martin, Alexander I., Woodside, N. Y. Dial telephone lock. 1,832,494; Nov. 17.
Martin, Alexander M. D. (See McVay, S. B. E., and Martin.)
Martin, Alfred M., Chicago, Ill. Shift binder. 1,795,374; Mar. 10.
Martin, Alfred M., Chicago, Ill. Partition sheet. 1,812,886; July 7.
Martin, Alfred O., Ringwood, England. Dovetail-marker. 1,827,156; Oct. 13.
Martin, Allan F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Arc lamp. 1,814,321; July 14.
Martin, Archworth, Bellevue, Pa., assignor to United States Envelope Company, Worcester, Mass. Envelope. 1,788,467; Jan. 13.
Martin Brothers Company. (See Fellroth, Erick O., assignor.)
Martin, Bruno, Saginaw, Mich. Folding table. 1,814,838; July 14.
Martin, Bruno, Saginaw, Mich. Valve. 1,825,807; Oct. 6.
Martin, Charles A., assignor to Anchor Fireproofing Company, Detroit, Mich. Roof construction. 1,798,380; Mar. 31.
Martin, Charles A., Chicago, Ill. System of heat treating. 1,808,241; June 2.
Martin, Charles J. (See Pioch, W. F., and Martin.)
Martin, Charles L., assignor to Indera Mills Company, Winston-Salem, N. C. Bathing suit. 1,807,486; May 26.
Martin, Delbert J., Sacramento, Calif. Permanent waving rod. 1,831,127; Nov. 10.
Martin, De Loss K., West Orange, N. J., assignor to American Telephone and Telegraph Company. Radio signaling system. 1,824,827; Sept. 29.
Martin, De Loss K., West Orange, N. J., assignor to American Telephone and Telegraph Company. Short wave radio antenna system. 1,831,921; Nov. 17.
Martin, Dougall C., assignor of one-half to E. F. Schaffer, Paden City, W. Va. Storage battery terminal connection. 1,821,717; Sept. 1.
Martel, Edgar J., Laconia, N. H. Automobile locking mechanism. 1,818,997; Aug. 18.
Martel, Edgar J., Laconia, N. H. Clasp for automobile tire chains. 1,818,998; Aug. 18.
Martin, Elmer R., Springfield, H. C. Byland, Cincinnati, C. Baldenhofer, Springfield, and F. L. Ormesher, assignors to Cemroc, Inc., Cincinnati, Ohio. Ceramic machine. 1,796,570; Mar. 17.
Martin, Emma, Los Angeles, Calif. Household implement. 1,801,817; Apr. 21.
Martin, Fay H., Woonsocket, R. I., assignor to Whitin Machine Works, Whitinsville, Mass. Creel. 1,795,091; Mar. 3.
Martin, Felipe, Fairfield, Calif. Self-closing drum filling valve. 1,810,366; June 16.
Martin, Foster, Hayward, assignor to California Conserving Company, Incorporated, San Francisco, Calif. Advertising device. 1,810,525; June 16.
Martin, Francis S. (See Day, W. O., and Martin.)
Martin, Frederick C., assignor to Eastman Kodak Company, Rochester, N. Y. X-ray fluorescent screen mounting. 1,823,278; Sept. 15.
Martin, Frederick W., Bronxville, N. Y., assignor to Franklin Railway Supply Company. Lubricator construction. 1,813,413; July 7.
Martin, Frank B. (See Gibb, W. B., and Martin.)
Martin, Frank J., Turners Falls, Mass. Spraying equipment. 1,827,157; Oct. 13.
Martin, Geoffrey, Wembley, England. Kiln for manufacturing lime or the like. 1,804,362; May 5.
Martin, George L., Madawaska, Me. Bucket attachment for excavating machines. 1,816,291; July 28.
Martin, Giles W. O., Newton Highlands, assignor to Harding Engineering Company, East Boston, Mass. Area measuring by light. 1,809,346; June 9.
Martin, Glenn L., Co., The. (See Adams, H. W., and Salisbury, assignors.)
Martin, Glenn L., Company, The. (See Andrake, Andrew A., assignor.)
Martin, Glenn L., Co., The. (See Churcher, William B., assignor.)
Martin, Glenn L., Company, The. (See Ebel, W. K., and Milburn, assignors.)
Martin, Glenn L., Company, The. (See Leisy, Clifford J., assignor.)
Martin, Glenn L., Company, The. (See Milburn, Lessiter C., assignor.)
Martin, Glenn L., Company, The. (See Van Dusen, Charles A., assignor.)
Martin, Guy T., assignor to Fluor Construction Co., Los Angeles, Calif. Atmospheric cooling tower. 1,830,366; Nov. 3.
Martin Hardsocg Company, The. (See Angstrom, Carl J., assignor.)
Martin, Harold E., North Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Machine tool. 1,809,858; June 16.
Martin, Harold H., assignor to Rate Service Bureau, Portland, Oreg. Temporary filing means. 1,797,355; Mar. 24.
Martin, Harold S. (See Gould, C. E., Hampton, and Martin.)
Martin, Harold W., Evanston, Ill., assignor to Everlastik, Inc., Chelsea, Mass. Overalls. 1,793,708; Feb. 24.
Martin, Harold W., Natick, Mass., assignor, by mesne assignments, to American Seal-Kap Corporation, Long Island City, N. Y. Bottle cap and applying the same. 1,813,063; July 7.
Martin, Harrison S., Brooklyn, N. Y. Stock quotation indicator. 1,812,600; June 30.
Martin, Harry W., Maricopa, assignor to Union Oil Company of California, Los Angeles, Calif. Automatic switch control. 1,796,953; Mar. 17.
Martin, Henry F., assignor to Detroit Hoist and Machine Company, Detroit, Mich. Mechanical door operating system. 1,838,491; Dec. 29.
Martin, Hildeburn, Circleville, Ohio. Game board. Des. 84,151; May 12.
Martin, Howard C., Grinnell, Iowa. Shore. 1,797,616; Mar. 24.
Martin, Ira T., San Francisco, Calif. Draft-regulating apparatus. 1,798,122; Mar. 24.
Martin, Jacob F. (See Barker, Eros V., assignor.)
Martin, Jacob F., Bellevue, Ohio. Foldable luggage carrier. 1,822,975; Sept. 15.
Martin, Jacob N. (See Martin, A. W. and J. N.)
Martin, James E., assignor of one-half to A. P. Schroder and one-half to W. L. Anderson, Pico, Calif. Signal window for motor vehicles. 1,809,132; June 9.
Martin, James P., assignor to Lancaster Iron Works, Inc., Lancaster, Pa. Safety driving connection. 1,795,258; Mar. 3.
Martin, James R., assignor to H. C. Frierson, Winter Haven, Fla. Liquefied gas cooler for refrigerating apparatus. 1,827,480; Oct. 13.
Martin, James V., Garden City, N. Y. Commercial auto. Des. 85,703; Dec. 8.
Martin, James V., Garden City, N. Y. Automobile structure. 1,821,657; Sept. 1.
Martin, James W. jr., Tuckahoe, N. Y. Humidifier. 1,817,442; Aug. 4.
Martin, James W., jr., Yonkers, assignor, by mesne assignments, to Dryice Equipment Corporation, New York, N. Y. Refrigerating apparatus and method. 1,805,493; May 19.
Martin, James W., jr., Yonkers, assignor, by mesne assignments, to Dryice Equipment Corporation, New York, N. Y. Refrigerating apparatus and method. 1,825,643; Sept. 29.
Martin, James W., jr., Yonkers, assignor, by mesne assignments, to Dryice Equipment Corporation, New York, N. Y. Refrigerative dish or utensil. 1,825,644; Sept. 29.
Martin, James W., jr., Yonkers, assignor to Dryice Equipment Corporation, New York, N. Y. Treatment of milk and other liquids. 1,825,645; Sept. 29.
Martin, James W., jr., Yonkers, assignor, by mesne assignments, to Dryice Equipment Corporation, New York, N. Y. Crystallization. 1,825,646; Sept. 29.
Martin, James W., jr., Yonkers, assignor, by mesne assignments, to Dryice Equipment Corporation, New York, N. Y. Storage, transportation, and distribution of frozen carbon dioxide. 1,825,647; Sept. 29.
Martin, Jerome. (See Bloomfield, G., Martin, and Krchma.)
Martin, Jerome, and I. J. Krchma, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Preparation of esters. 1,817,898; Aug. 4.
Martin, Jerome, and I. J. Krchma, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Preparation of esters. 1,817,899; Aug. 4.
Martin, Jesse A., Los Angeles, Calif. Automatic temperature control for heaters. 1,834,958; Dec. 8.
Martin, Jesse C., jr., San Francisco, Calif. Valve and packing. 1,800,552; Apr. 14.
Martin, Jesse C., jr., San Francisco, Calif. Plug valve. 1,802,309; Apr. 21.
Martin, Jesse C., jr., Los Angeles, Calif. Crown sheet support for locomotive fireboxes. 1,819,907; Aug. 18.
Martin, John F. (See Lang, G. J., and Martin.)
Martin, John F. (See Murray, A. T., and Martin.)
Martin, John F., assignor to American Bosch Magneto Corporation, Springfield, Mass. Impulse coupling. 1,788,062; Jan. 6.

Martin, John F., assignor to American Bosch Magneto Corporation, Springfield, Mass. Adjusting device for magnetos. 1,810,367; June 16.
Martin, John F., and F. E. Watts, assignors to American Bosch Magneto Corporation, Springfield, Mass. Oiler. 1,807,340; May 26.
Martin, John I., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire testing machine. 1,809,347; June 9.
Martin, John W., Humble, Tex. Bit. 1,823,567; Sept. 15.
Martin, Joseph, New York, assignor to United States Cabinet Bed Co., Brooklyn, N. Y. Combination couch and bed. 1,811,057; June 23.
Martin, Julius W., administrator. (See Perry, Napoleon J.)
Martin, Kingsley L., Montclair, N. J. Water tube boiler construction. 1,809,133; June 9.
Martin, Lawrence F., and A. R. Lux, assignors to The Dow Chemical Company, Midland, Mich. Chlorination of aliphatic hydrocarbons. 1,801,873; Apr. 21.
Martin, Louis, Anacortes, Wash. Hat-blocking machine. 1,797,832; Mar. 24.
Martin, Louis, New London, Conn. Keyhole illuminating means. 1,810,775; June 16.
Martin, Lucille, Long Beach, Calif. Plug for electric circuits. 1,804,474; May 12.
Martin, Marion G., Aspinwall, and F. Voelker, jr., Pittsburgh, Pa., assignors to Blaw-Knox Company. Material measuring and handling apparatus. 1,822,446; Sept. 8.
Martin, Mark H., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Draft device. 1,803,911; May 5.
Martin, Mark H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Body bolster center plate and mounting. 1,806,075; May 19.
Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Railway car truck. 1,819,564; Aug. 18.
Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa. Lateral motion device for railway car trucks. 1,826,476; Oct. 6.
Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Car hopper. 1,827,030; Oct. 13.
Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Railway car truck. 1,831,022; Nov. 10.
Martin, Otis C., Los Angeles, Calif. Electric motor. 1,824,909; Sept. 29.
Martin, Otto V., Sand Springs, Okla., assignor, by mesne assignments, to Texaco Salt Products Company, New York, N. Y. Apparatus for the production of salts from brines and solutions. 1,811,091; June 23.
Martin-Parry Corporation. (See Kraft, Edward L., assignor.)
Martin-Parry Corporation. (See Moore, P. B., and Lewis, assignor.)
Martin, Patrick A., Birmingham, England. Spring belt, brace, garter, and the like. 1,803,266; Apr. 28.
Martin, Perry S., Harrisonburg, Va. Brooder. 1,808,364; June 2.
Martin, Philip J., Elizabeth, N. J. Cable grip. 1,798,693; Mar. 31.
Martin, Philip J., Elizabeth, N. J. Cable grip. 1,807,993; June 2.
Martin, Philip J., Elizabeth, and A. T. Coley, Clifton, N. J. Cable grip. 1,819,430; Aug. 18.
Martin, Raymond H., assignor to The Bassick Company, Bridgeport, Conn. Drawer pull. 1,819,611; Aug. 18.
Martin, Rhetherford B., Roselle, N. J. Concentration of ores. 1,797,356; Mar. 24.
Martin, Richard H., assignor to Norton Company, Worcester, Mass. Refractory article and composition for and method of making same. 1,818,903; Aug. 11.
Martin, Richard H., assignor to Norton Company, Worcester, Mass. Silicon carbide refractory article and making the same. 1,818,904; Aug. 11.
Martin, Robert. (See Dickie, W. A., and Martin.)
Martin, Robert, Spondon, near Derby, England, assignor to Celanese Corporation of America. Apparatus for holding textile packages. 1,827,756; Oct. 20.
Martin, Robert D., Jacksonville, Tex. Well-drilling bit. 1,799,473; Apr. 7.
Martin & Schwartz, Inc. (See Schwartz, R. L., and Martin, assignors.)
Martin, Thomas, assignor to Sprague-Sells Corporation, Hoopeston, Ill. Machine for measuring and feeding granular material. 1,815,321; July 21.
Martin, Thomas A., Bridgeport, Conn. Automobile servicing device. 1,814,049; July 14.
Martin, Thomas R., Tyseley, Birmingham, England. Terminal box mounting for electric switches. 1,817,573; Aug. 4.
Martin, Thomas R., Tyseley, Birmingham, England. Electric switch contact. 1,827,533; Oct. 13.
Martin, Victor E. (See Walthers, H. S., and Martin.)
Martin, Walter H., Plainfield, N. J., assignor to Carboloy Company, Inc., New York, N. Y. Diagraphic tracing machine. 1,822,664; Sept. 8.
Martin, Ward B., Geneva, Ohio, and P. S. Evans, assignors to Mobile Steel Company, Mobile, Ala. Syrup evaporator. 1,835,606; Dec. 8.
Martin, Wilbert L., Tulsa, Okla. Apparatus for flowing wells by air lift. 1,792,107; Feb. 10.
Martin, Willett, Elizabeth, N. J. Valve. 1,833,653; Nov. 24.
Martin, William C., Milwaukee, Wis. Wheel construction. 1,795,659; Mar. 10.
Martin, William C., Chicago, assignor to J. H. Lee, Oak Park, Ill. Wheel construction. 1,811,726; June 23.
Martin, William C., Chicago, assignor to J. H. Lee, Oak Park, Ill. Pneumatic tube and manufacture. 1,835,415; Dec. 8.
Martin, William H., Newark, N. J. Water-level-controlling means. 1,795,497; Mar. 10.
Martin, William J., Cleveland, Ohio. Track and road bus. 1,793,288; Feb. 17.
Martin, William O., Paris, Ark., assignor of one-half to I. H. Nakdimen and one-half to H. P. Galbreath, Fort Smith, Ark. Slack adjuster. 1,815,859; July 21.
Martin, William P. (See Schwartz, R. L., and Martin.)
Martin, William W. (See Staaf, Werner I., sr., assignor.)
Martindell, Milton H., assignor to Jos. Stokes Rubber Co. Trenton, N. J. Flush guide arm. 1,814,604; July 14.
Martindell, Robert. (See Saunders, W. S., and Martindell.)
Martineau, Clarence R., Albany, N. Y. Starter for automobile engines. 1,795,030; Mar. 3.
Martineau, Clarence R., Albany, N. Y. Car door lock. 1,838,695; Dec. 29.
Martineau, Edward J., Seattle, Wash. Ice cream dipper. 1,826,009; Oct. 6.
Martinek, Alexander, Worcester, Mass., assignor to Prager Co., Inc. Wall paper or similar material. Des. 83,164; Jan. 27.
Martinek, Alexander, Worcester, Mass., assignor to Prager Co., Inc. Wall paper or similar material. Des. 83,165; Jan. 27.
Martinek, Alexander, Worcester, Mass., assignor to Prager Co., Inc. Wall paper or similar material. Des. 83,166; Jan. 27.
Martinek, Alexander, Worcester, Mass., assignor to Prager Co., Inc. Wall paper or similar material. Des. 83,167; Jan. 27.
Martinek, Alexander, Worcester, Mass., assignor to Prager Co., Inc. Wall paper or similar material. Des. 83,557; Mar. 3.
Martinek, Alexander, Worcester, Mass., assignor to Prager Co., Inc. Wall paper or similar material. Des. 83,558; Mar. 3.
Martinek, Alexander, Worcester, Mass., assignor to Prager Co., Inc. Wall paper or similar article. Des. 85,485; Nov. 3.
Martinek, Alois L. (See Bamford, F. L., and Martinek.)
Martinek, Alois L., assignor to C. M. Hall Lamp Company Detroit, Mich. Focusing adjustment for lamps. 1,803,433; May 5.
Martinet, Edward D., Los Angeles, Calif. Brick making machine. 1, 814,172; July 14.
Martinet, Eugene F. (See Lawrence C. B., and Martinet.)
Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaner handle grip. Des. 84,898; Aug. 18.
Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaner attachment. 1,812,493; June 30.
Martinet, James W. (See Drew, W. F., and Martinet.)
Martinez Celso. (See Legarde, Leoncio, assignor.)
Martinez, Tiburcio, Mexico, Mexico. Carburetor. 1,787,726; Jan. 13.
Martinson, Martin, Stillwater, Minn. Auxiliary sash connecter. 1,787,540; Jan. 6.
Martocello, Joseph A., Philadelphia, Pa. Raw-water-ice system. 1,796,759; Mar. 17.
Martocello, Joseph A., Philadelphia, Pa. Spray dehydrator. 1,827,092; Oct. 13.
Martois, Arthur E., Compton, Calif. Tong operating mechanism. 1,806,481; May 19.
Martois, Arthur E., Los Angeles, Calif. Rotary draw works having dual rotary machine drive. 1,810,975; June 23.
Marton, Charles T., Rochester, N. Y. Sign exhibitor. 1,824,284; Sept. 22.
Martone, Thomas A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making lakes. 1,820,540; Aug. 25.
Martus, Martin L., Woodbury, and E. H. Becker, Waterbury, Conn. Copper oxide cell. 1,834,250; Dec. 1.
Martus, Martin L., Woodbury, E. H. Becker, and J. G. Ross, Waterbury, Conn. Battery initial discharge device. 1,830,234; Nov. 3.
Martus, Martin L., Woodbury, and E. H. Becker and J. G. Ross, Waterbury, Conn. Primary battery. 1,831,460; Nov. 10.
Martus, Martin L., Woodbury, E. H. Becker and J. G. Ross, Waterbury, Conn. Primary battery. 1,836,720; Dec. 15.
Marty, Albert H., Cleveland, Ohio. Mounting for plate glass windows. 1,836,980; Dec. 15.
Marty, Fred J., Detroit, Mich., assignor to Penberthy Injector Company. Injector. 1,837,459; Dec. 22.
Marty, Fred J., and H. D. Yoder, assignors to Penberthy Injector Company, Detroit, Mich. Injector. 1,836,262; Dec. 15.
Marubn, Johannes, Berlin-Friedenau, and L. Tübben, Berlin-Nicolassee, Germany. Producing liquid hydrocarbons and apparatus therefor. 1,807,122; May 26.
Marvel Carbureter Company. (See Firth, David, assignor.)
Marvel Carbureter Company. (See Guthrie, William S., assignor.)

Marvel Carbureter Company. (See Heginbottom, Walter G., assignor.)
Marvel Carbureter Company. (See Kirby, Charles H., assignor.)
Marvel Carbureter Company. (See Kirby, C. H., and Purdy, assignors.)
Marvel Carbureter Company. (See Mabee, A. C., and Whitsett, assignors.)
Marvel Carbureter Company. (See Molony, Donald P., assignor.)
Marvel Carbureter Company. (See Purdy, Frederick, assignor.)
Marvel Carbureter Company. (See Rayfield, Charles L., assignor.)
Marvel Carbureter Company. (See Wright, Rea P., assignor.)
Marvel Company, The. (See Vallé, Paul B., assignor.)
Marvel, Orin E., assignor, by mesne assignments, to General Motors Radio Corporation, Dayton, Ohio. Electrical apparatus. 1,807,994; June 2.
Marvel, Orin E., assignor, by mesne assignments, to General Motors Radio Corporation, Dayton, Ohio. Electrical apparatus. 1,807,995; June 2.
Marvel, Orin E., assignor, by mesne assignments, to General Motors Radio Corporation, Dayton, Ohio. Radio appliance. 1,817,443; Aug. 4.
Marvel, Orin E., assignor, by mesne assignments, to General Motors Radio Corporation, Dayton, Ohio. Volume control for radio amplifier circuits. 1,839,109; Dec. 29.
Marvell, George, Annapolis, Md. Band fastener. 1,832,718; Nov. 17.
Marvin, Burdette K., Riverside, Calif. Display box. 1,803,861; May 5.
Marvin, Frederick B., Matamoras, Pa. Rotary explosion engine. 1,810,082; June 16.
Marvin, Harry B., Schenectady, and J. K. Leibing, Niskayuna, N. Y., assignors to General Electric Company, Electrical indicating instrument. 1,837,913; Dec. 22.
Marvin, Jane S. (See Marvin, Ward W., assignor.)
Marvin, Lloyd, Idaville, Ind. Attachment for spectacles. 1,787,830; Jan. 6.
Marvin, Walter S., assignor to Metal Ware Corporation, Two Rivers, Wis. Electric percolator. 1,810,490; June 16.
Marvin, Walter S., and C. L. Sibenhorn, assignors to Metal Ware Corporation, Two Rivers, Wis. Fusible switch for electrically-heated elements. 1,795,873; Mar. 10.
Marvin, Ward W., assignor, by mesne assignments, to Jane S. Marvin, Royal Oak, Mich. Internal combustion engine. 1,825,278; Sept. 29.
Marx, Carl, Berlin, Germany. Lace for footwear. 1,823,057; Sept. 15.
Marx, Carl, Chicago, and E. R. Darling, Danville, assignors to Pacific Lumber Company, Chicago, Ill. Wall board, sheathing lumber, and the like. 1,828,029; Oct. 20.
Marx, D. L., Co. (See Dale, James H., assignor.)
Marx, George. (See Blancard, R. F., Porter, and Marx.)
Marx, Julius A., Altoona, and W. W. Lower, Tyrone, Pa. Storm or windproof sign board. 1,823,404; Sept. 15.
Marx, Karl, Dessau in Anhalt, and E. Lehmann, Wolfen, Kreis, Bitterfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing furs, hairs, and feathers. 1,795,133; Mar. 3.
Marx, Karl, H. Behncke, and H. Zobel, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of finely subdivided metals. 1,815,790; July 21.
Marx, Karl, H. Behncke, and K. Brodersen, Dessau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Catalyst. 1,830,705; Nov. 3.
Marx, Louis, Brooklyn, N. Y. Toy excavator. 1,792,851; Feb. 17.
Marx, Louis, Brooklyn, N. Y. Combined loading cart and sifter screen. 1,820,944; Sept. 1.
Marx, Louis, New York, N. Y. Toy. 1,807,791; June 2.
Marx, Louis, New York, N. Y. Toy. 1,828,288; Oct. 20.
Marx, Louis, New York, N. Y. Toy. 1,830,799; Nov. 10.
Marx, Richard, Philadelphia, Pa. Knitting needle and making same. 1,794,309; Feb. 24.
Marx, Robert J., London, England. Suction roll. 1,814,050; July 14.
Marxen, Fred W., Robbinsdale, assignor of one-sixth to O. O. Mattson and one-sixth to A. B. Wallace, Minneapolis, Minn. Valve lifting and timing device for internal combustion engines. 1,816,019; July 28.
Marye Safety Nut Corporation. (See Bryant, George F., assignor.)
Maryland Baking Company. (See Parr, George T., assignor.)
Maryland Company, The. (See Sneider, Morris, assignor.)
Marzall, John A. (See Holland, I. L., assignor, and Klaus.)
Mas, George N., Washington, D. C., assignor, by mesne assignments, to J. T. Dowling and G. R. Sappington, trustees. Bottle. Des. 85,109; Sept. 15.
Mascarenhas, Eneas G., Juiz de Fora, Brazil. Automatic tire-inflating device. 1,793,429; Feb. 17.
Masch, Fred, Burlingame, Calif., assignor to Monroe Calculating Machine Company, Orange, N. J. Switch mechanism for calculating machines. 1,837,785; Dec. 22.
Maschinenfabrik Augsburg-Nurnberg A. G. (See Becker, Heinrich, assignor.)
Maschinenfabrik Augsburg-Nürnberg A. G. (See Becher, Theodor, assignor.)
Maschinenfabrik Augsburg-Nurnberg A. G. (See Bullnheimer, Hans, assignor.)
Maschinenfabrik Augsburg-Nurnberg A. G. (See Duwe, Friedrich, assignor.)
Maschinenfabrik Augsburg-Nurnberg, A. G. (See Fischer, Hans, assignor.)
Maschinenfabrik Augsburg-Nurnberg A. G. (See Geiger, Josef, assignor.)
Maschinenfabrik Augsburg-Nurnberg, A. G., et al. (See Jagschitz, K., and Kuehn, assignors.)
Maschinenfabrik Augsburg-Nurnberg A. G. (See Kolmer, W., and Wirschinger, assignors.)
Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft. (See Mahler, Johann, assignor.)
Maschinenfabrik Augsburg-Nürnberg A. G. (See Pielstick, Gustav, assignor.)
Maschinenfabrik Augsburg-Nuermberg Aktiengesellschaft, The. (See Riehm, Wilhelm, assignor.)
Maschinenfabrik Augsburg-Nurnberg, Aktiengesellschaft et al. (See Sachs, Ernst, assignor.)
Maschinenfabrik Benninger, A. G. (See Karrer, Hans, assignor.)
Maschinenfabrik Benninger, A. G. (See Weiss, Hans, assignor.)
Maschinen-Fabrik Einsiedel Gesellschaft mit beschrankter Haftung. (See Lieberknecht, Paul, assignor.)
Maschinenfabrik Esslingen. (See Greiner, Fritz, assignor.)
Maschinenfabrik Imperial G. m. b. H. (See Schwieter, Arthur, assignor.)
Maschinenfabrik Johannisberg G. m. b. H. (See Albrecht, Karl, assignor.)
Maschinenfabrik Johannisberg Gesellschaft mit beschränkter Haftung. (See Albrecht, Karl, assignor.)
Maschinenfabrik Moenus A.-G. (See Ruhr, Richard, assignor.)
Maschinenfabrik Moenus Aktiengesellschaft. (See Ruhr, R., and Heckmann, assignors.)
Maschinenfabrik Oerlikon. (See Egg, Hartmann, assignor.)
Maschinenfabrik Rüti vormals Caspar Honegger. (See Egli, Ernst, assignor.)
Maschinenfabrik Rüti vormals Caspar Honegger. (See Egli, E., and Schoch, assignors.)
Maschinenfabrik Winkler, Fallert & Co., A. G. (See Winkler, Carl, assignor.)
Maschmeyer, Hermann. (See Friese, M. G., and Maschmeyer.)
Mascuch, Joseph J., Newark, N. J. Tire replacing machine. 1,804,222; May 5.
Masek, George G., assignor to G. C. Hilton, Chicago, Ill. Hedge cutter. 1,832,993; Nov. 24.
Maser, Harold T., Schenectady, N. Y., assignor to General Electric Company. Electric testing circuit. 1,819,908; Aug. 18.
Maserang, John B., Belleville, Ill. Fence-corner brace. 1,795,728; Mar. 10.
Masi, Philip, and C. A. Schmaling, Port Chester, N. Y. Aeroplane. 1,831,253; Nov. 10.
Maslewski, Joseph P., Minneapolis, Minn. Drill support. 1,803,051; June 2.
Mason, Archibald O., Highland Park, Ill. Reclaiming automobile radiators. 1,838,231; Dec. 29.
Mason, Arthur C., Hawthorne, N. J. Fabric shearing machine. 1,802,520; Apr. 28.
Mason, Au & Magenheimer Confectionery Manufacturing Company. (See Laskey, William B., assignor.)
Mason Box Company, The. (See Berthold, Kenneth F., assignor.)
Mason Box Company, The. (See Rhodes, Russell I., assignor.)
Mason, Carl T., East Orange, assignor to Tiffany Manufacturing Company, Newark, N. J. Automobile lamp mounting. 1,835,607; Dec. 8.
Mason, Charles D., Des Moines, Iowa. Foam destroyer. 1,805,830; May 19.
Mason, Charles D., Des Moines, Iowa. Foam destroyer. 1,811,513; June 23.
Mason, Charles E., Upper Darby Township, Delaware County, assignor to Novelty Electric Company, Philadelphia, Pa. Attachment plug and receptacle. 1,813,582; July 7.
Mason, Charles H., Edgewood, R. I., assignor to Pioneer Watch Case Company. Chain. 1,792,996; Feb. 17.
Mason, Claude D. (See Bradley, C. E., and Mason.)
Mason, Eli J., and H. L. Croft, Calamus, Iowa; E. L. Miller, administrator of said H. L. Croft, deceased, assignor to said Mason. Harrow drawbar and hinge therefor. 1,805,409; May 12.
Mason, Frank C., assignor to Metal Stampings Corporation, Streator, Ill. Antitipping friction device. 1,799,919; Apr. 7.
Mason, Fred, Lansdale, Pa. Shaving guide. 1,812,443; June 30.
Mason, Freeman D., assignor to The Bridgwater Machine Company, Akron, Ohio. Collapsible tire building core. 1,815,359; July 21.
Mason, George W., Detroit, Mich., assignor to Copeland Products, Inc. Refrigeration apparatus. 1,810,569; June 16.
Mason & Hanger Company. (See Donaldson, Francis, assignor.)

Mason, Harold, Hyde, assignor to Spencer & Cook, Limited, Stalybridge, England. Turning sheets of paper and the like in folding, ruling, and other machines. 1,826,624; Oct. 6.
Mason, Harold L., London, England. Stop valve for steam or other fluids and liquids. 1,812,104; June 30.
Mason, John M., Minneapolis, Minn. Fence strap. 1,796,383; Mar. 17.
Mason, Junious, et al. (See Morris, Tom, assignor.)
Mason Mox Company, The. (See Rhodes, Russell I., jr., assignor.)
Mason Regulator Company. (See Colby, Harold L., assignor.)
Mason, Richard C., Tulsa, Okla. Well-drilling mechanism. 1,792,108; Feb. 10.
Mason, Sumner R., Wilmette, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coating articles. 1,800,947; Apr. 14.
Mason, Sumner R., Wilmette, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Protecting metal surfaces. 1,827,204; Oct. 13.
Mason, Sumner R., Wilmette, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Protecting metal surfaces. 1,827,247; Oct. 13.
Mason, Sumner R., Wilmette, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Treating metallic surfaces. 1,837,721; Dec. 22.
Mason, Thomas, East Orange, N. J. Mop sink. 1,831,966; Nov. 17.
Mason Tire & Rubber Corporation, The. (See Humphrey, Walter E., assignor.)
Mason, Warren P., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic phase-shifting device. 1,788,534; Jan. 13.
Mason, Warren P., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impedance element. 1,795,874; Mar. 10.
Mason, Warren P., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound transmission. 1,835,795; Dec. 8.
Mason, Warren P., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distortion correction in transmission systems. 1,836,809; Dec. 15.
Mason, Warren P., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distortion correction in transmission systems. 1,836,810; Dec. 15.
Mason, Warren P., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distortion correction in transmission systems. 1,837,229; Dec. 22.
Mason, Willard J. (See Cumfer, Harry A., assignor.)
Mason, William C., Albany, N. Y. Visor. 1,816,783; July 28.
Mason, William H., Leesburg, Ohio. Fence fastener tool. 1,809,386; June 9.
Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Hard grainless fiber product and process of manufacture. Re18,233; Oct. 20.
Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Hard grainless fiber product and process of manufacture. 1,789,825; Jan. 20.
Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Making integral insulating board with hard welded surfaces. 1,812,969; July 7.
Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Manufacturing insulating board. 1,812,970; July 7.
Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Process and apparatus for disintegration of fibrous material. 1,824,221; Sept. 22.
Mason, William K., Malden, and E. Stevens, Cambridge, assignors to American Electrical Company, Boston, Mass. Thermostat. 1,829,149; Oct. 27.
Mason, William S., Bridgeport, Conn. Building with facilities for automobile parking and transportation. 1,830,518; Nov. 3.
Mason, Willard J. (See Cumfer, Harry A., assignor.)
Masonite Corporation. (See Mason, William H., assignor.)
Masquelier, Roger, Tirlemon, Belgium. Friction shock absorber for suspending vehicles. 1,817,088; Aug. 4.
Massa, Eino, Clearwater, Fla. Vegetable and fruit chopper. 1,830,284; Nov. 3.
Massacese, Vincenzo, assignor, by mesne assignments, to Manhattan Spring & Couch Co., Inc., New York, N. Y. Bed spring brace. 1,819,909; Aug. 18.
Massatsch, Cornelius, Berlin, and E. G. Cluss, assignors to the firm Matro G. m. b. H., Heilbronn-on-the-Neckar, Germany. Dressing the germs or the components of the germs obtained in the malting house for rendering them suited as human food and for dietetic purposes. 1,836,858; Dec. 15.
Massei, Daniel. (See Pousha, E. T., and Massei.)
Massera, Guiseppe. (See Adamcikas, M., and Massera.)
Massey, Alexander J., Los Angeles, Calif. Traffic signaling system. 1,817,754; Aug. 4.
Massey Concrete Products Corporation. (See Alexander, Earl C., assignor.)
Massey Concrete Products Corporation. (See Gilman, Charles, assignor.)
Massey Concrete Products Corporation. (See Hobson, John S., assignor.)
Massey, George B., Chicago, Ill. Tower excavator. 1,804,175; May 5.
Massey-Harris Company. (See Harris, B. S., and Johnston, assignors.)
Massey Harris Company. (See Johnston, H. M., and Shenstone, assignors.)
Massey-Harris Company, The. (See Moree, Kinsel E., assignor.)
Massey, Hemsley B., assignor to Railway and Industrial Company, Greensburg, Pa. High potential switch. 1,838,696; Dec. 29.
Massey, Henry P., Montclair, N. J. Aircraft. 1,820,919; Sept. 1.
Massey, John C., et al. (See Corey, Percival C., assignor.)
Massey, Juan C. M., Adrogue, Argentina. Traction of vehicles. 1,810,018; June 23.
Massey, Juan C. M., Adrogue, Argentina. Motor vehicle. 1,827,397; Oct. 13.
Massey, Peter J. (See Drake, Ronald I., assignor.)
Massicotte, Edward J. (See Helmer, P. E., and Massicotte.)
Massie, Carter R., Ironton, Ohio. Coin controlled gasoline vending machine. 1,808,674; June 2.
Massie, John A., trustee. (See Downey, Edward A., assignor.)
Massie, John A., et al. (See Tallmadge, Andrew P., assignor.)
Massingham, Henry R., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical connecting cord and producing it. 1,819,612; Aug. 18.
Massolle, Joseph. (See Vogt, H., Massolle, and Engl.)
Massonneau, Robert F., Scarsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Service-observing system. 1,795,656; Mar. 10.
Mast, Albert B., Shanesville, Ohio. Apparatus for generating oil gas. 1,829,663; Oct. 27.
Mast, William C., Long Beach, Calif., assignor, by mesne assignments, to Chemical Construction Corporation. Method and apparatus for concentrating sulphuric acid. 1,790,507; Jan. 27.
Mastenbrook, Henry J., Cleveland Heights, assignor to The Swartwout Company, Cleveland, Ohio. Steam desuperheater. 1,787,790; Jan. 6.
Mastenbrook, Henry J., Cleveland Heights, assignor to The Swartwout Company, Cleveland, Ohio. Reducing valve. 1,805,702; May 19.
Master Domestic Refrigerating Company. (See Strong, Archie H., assignor.)
Master Domestic Refrigerating Company. (See Winter, Joseph W., assignor.)
Master Electric Company, The. (See Larsh, Everett P., assignor.)
Master Electric Company, The. (See Meyer, Albert E., assignor.)
Masters, Albert M., Frankford, Philadelphia, assignor to Masters Steel Frame Company, Philadelphia, Pa. Blackboard-frame mounting. 1,790,549; Jan. 27.
Masters, Carl L., Nitro, W. Va., assignor, by mesne assignments, to Elko Chemical Company. Recovering alkali metal sulphites from fusion liquors. 1,788,955; Jan. 13.
Masters, Carl L., Nitro, assignor, by mesne assignments, to Elko Chemical Company. Recovering phenol from liquors containing the same. 1,817,444; Aug. 4.
Masters, Carl L., assignor to The Elko Chemical Company, Nitro, W. Va. Manufacture of organic monocarboxylic acid chlorides. 1,819,613; Aug. 18.
Masters, Charles E., Perry, Mo. Machine tool. 1,826,625; Oct. 6.
Masters, Clarence W. (See Masters, Margery C. and C. W.)
Masters, Edwin G., Long Beach, Calif. Toy. 1,824,677; Sept. 22.
Masters, Edwin L., Chicago, Ill. Plant setter. 1,821,187; Sept. 1.
Masters, Herbert A., San Francisco, Calif. Infant's foldable bathtub table. 1,792,696; Feb. 17.
Masters, Margery C. and C. W., Wynnewood, Pa. Luncheon cloth. Des. 83,632; Mar. 10.
Masters, Paul G., assignor to Pennsylvania Wire Glass Company, Philadelphia, Pa. Installation of corrugated glass. 1,816,439; July 28.
Masters Steel Frame Company. (See Masters, Albert M., assignor.)
Masterson, Theodore L., Buffalo, N. Y., assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Indigo powder and making the same. 1,827,757; Oct. 20.
Mastick, Edwin A., Rocky River, Ohio. Roofing tile. 1,826,082; Oct. 6.
Maston, Edward E., Wilmette, assignor to Container Corporation of America, Chicago, Ill. Packing case. 1,800,841; Apr. 14.
Mastrangelo, Alphonse. (See Mastrangelo, Frank and A.)
Mastrangelo, Frank and A., Fitchburg, Mass. Folding furniture. 1,834,792; Dec. 1.
Mastrillo, Joseph, Trenton, N. J. Clean out closure. 1,827,663; Oct. 13.
Masuda, Matsuichi, New York, N. Y. Insole for shoes. 1,787,487; Jan. 6.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Drive for motor vehicles. Re18,206; Sept. 22.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Inclosed automobile cab. Des. 85,294; Oct. 6.

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Drive for motor vehicles. 1,791,138; Feb. 3.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Inclosed chain drive. 1,796,382; Mar. 17.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Individual wheel mounting. 1,806,695; May 26.
Masury, Alfred F., New York, N. Y., assignor to The Rubber Shock Insulator Corporation, Wilmington, Del. Strut construction. 1,808,365; June 2.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Shock insulated mounting for aircraft and radial motors in busses. 1,815,442; July 21.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Ventilating device for garbage, ash, and refuse trucks. 1,820,752; Aug. 25.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Individual wheel mounting. 1,822,159; Sept. 8.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Vehicle drive for radial engines. 1,826,359; Oct. 6.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Endless track. 1,830,399; Nov. 3.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Endless track. 1,833,052; Nov. 24.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Individually sprung driving and steering wheel. 1,837,874. Dec. 22.
Masury, Alfred F., W. B. Jupp, and R. G. Anderson, assignors to International Motor Company, New York, N. Y. Internal-combustion-engine cooling system. 1,791,139; Feb. 3.
Masury, Alfred F., New York, N. Y., and F. E. Queeney, Teaneck, N. J., assignors to International Motor Company, New York, N. Y. Drive for motor vehicles. 1,815,441; July 21.
Maszczyk, Alexander M., Chicago, Ill. Work stop. 1,810,430; June 16.
Maszczyk, Alexander M., Chicago, Ill. Wire clamp. 1,817,386; Aug. 4.
Maszni, Joseph, New Brunswick, N. J. Headlight dimmer. 1,834,494; Dec. 1.
Matakovich, George, Keewatin, Minn. Vehicle spring construction. 1,811,514; June 23.
Matchett, Henry I., Philadelphia, Pa. Toilet article. 1,826,558; Oct. 6.
Mateo, Angel, Santiago, Dominican Republic. Aeroplane. 1,810,182; June 16.
Mather, Alonzo C., Chicago, Ill. Refrigerator car insulation. 1,837,786; Dec. 22.
Mather and Company. (See Tague, Otto G., assignor.)
Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay circuit. 1,810,024; June 16.
Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 1,810,025; June 16.
Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission system. 1,816,599; July 28.
Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission system. 1,819,614; Aug. 18.
Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission system. 1,819,648; Aug. 18.
Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission system. 1,819,649; Aug. 18.
Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control. 1,829,805; Nov. 3.
Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control. 1,829,806; Nov. 3.
Mathesius, Walther, Charlottenburg, near Berlin, Germany. Titanium steel and manufacturing the same. 1,839,157; Dec. 29.
Mathesius, Walther, and M. W. Neufeld, Berlin-Charlottenburg, Germany. Alloy metal for bearings. 1,804,883; May 12.
Matheson, Andrew A., Denver, Colo., assignor to Matheson Pneumatic Planters Corporation, Lander, Wyo. Pneumatic planter. 1,810,671; June 16.
Matheson, George. (See Anderson, Alex, assignor.)
Matheson, Howard W., assignor to Canadian Electro Products Company, Limited, Montreal, Quebec, Canada. Vulcanization accelerator and manufacture thereof. 1,788,773; Jan. 13.
Matheson, Howard W., Montreal, Quebec, assignor to Canadian Electro Products Company, Limited, Montreal, Canada. Plastic and soluble derivative of cellulose. 1,815,655; July 21.
Matheson, Howard W., Montreal, and F. W. Skirrow, Shawinigan Falls, assignors to Canadian Electro Products Company, Limited, Montreal, Quebec, Canada. Condensation product and making the same. 1,788,772; Jan. 13.
Matheson Pneumatic Planters Corporation. (See Matheson, Andrew A., assignor.)
Matheson, William A., assignor to Roll-A-Way Bed Corporation, Chicago, Ill. Caster. 1,836,263; Dec. 15.
Matheson, William A., assignor to Roll-A-Way Bed Corporation, Chicago, Ill. Massaging and exercising apparatus. 1,836,981; Dec. 15.
Matheson, William A., and W. P. Bower, assignors to Roll-A-Way Bed Corporation, Chicago, Ill. Bed construction. 1,838,561; Dec. 29.
Mathews, A. A., et al. (See Sparrow, Frederick, assignor.)
Mathews, Carl R., Claremore, Okla. Heated water hose for filling stations. 1,809,714; June 9.
Mathews Conveyer Company. (See Anderson, Martin J., assignor.)
Mathews Conveyer Company. (See Nelsen, Monberg, assignor.)
Mathews Conveyer Company. (See Sekulski, Lee, assignor.)
Mathews, H. M., et al. (See Sparrow, Frederick, assignor.)
Mathews, John C., assignor to The Standard Computing Scale Company, Detroit, Mich. Hanging scale. 1,833,170; Nov. 24.
Mathews, Joseph L., Highland Park, N. J., assignor to International Motor Company, New York, N. Y. Bearing retainer. 1,837,875; Dec. 22.
Mathews, Paul, jr., Bedford, England, assignor to General Electric Company. Automatic control equipment. 1,815,791; July 21.
Mathews, Sadie L., St. Louis, Mo. Automatic burglar alarm for automobiles. 1,815,206; July 21.
Mathews, W. N., Corporation. (See Boll, Lester P., assignor.)
Mathews, William E., Birmingham, Ala., assignor to Hardie-Tynes Manufacturing Company. Compressor unloader. 1,795,310; Mar. 10.
Mathewson, Alfred C., Huntington Park, Calif. Citrus-fruit-crushing mill. 1,789,444; Jan. 20.
Mathewson, Maxwell I., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Grinding machine. 1,790,550; Jan. 27.
Mathewson, Maxwell I., Providence, and A. Brown, Cranston, R. I., assignors to Brown and Sharpe Manufacturing Company. Grinding machine. 1,812,444; June 30.
Mathewson, Wilfred B. (See Tervo, Oscar, assignor.)
Mathewson, Wilfred B., North Weymouth, Mass. Grease dispenser. 1,787,751; Jan. 6.
Mathewson, Wilfred B., Weymouth, assignor to Roy Manufacturing Company, Quincy, Mass. Grease dispenser. 1,813,183; July 7.
Mathey, Nicholas W., Boston, Mass. Trimming machine. 1,807,996; June 2.
Mathez, Samuel, Brooklyn, N. Y., assignor to G. P. Dike, Brookline, Mass. Wrist watch. 1,818,637; Aug. 11.
Mathias, Maximilian, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Class signaling for telephone systems. 1,792,651; Feb. 17.
Mathias, Maximilian, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Automatic telephone system. 1,796,209; Mar. 10.
Mathieson Alkali Works, The. (See Evans, George S., assignor.)
Mathieson Alkali Works, Inc., The. (See Munson, Horace D., and Petroe, assignors.)
Mathieson Alkali Works, Inc., The. (See Pattillo, Donald K., assignor.)
Mathieson Alkali Works, Inc., The. (See Schumaker, Charles F., assignor.)
Mathieson, Andrew C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Braking system. 1,797,431; Mar. 24.
Mathieson, Andrew C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Vehicle brake. 1,801,818; Apr. 21.
Mathieson, Carl O., Highland Park, Mich. Combination land and water vehicle. 1,823,207; Sept. 15.
Mathieu, Arthur. (See Machat, R., and Mathieu.)
Mathieu, Eugène. (See Lamy, L., Mathieu, and Gagnaux.)
Mathieu, Eugène, Annecy, R. Perrin, A. Greffe, Ugine and S. Cavalieri, Marignier, assignors to Société d'Electro-Chimie, d'Electro-Metallurgie et des Aciéries Electriques d'Ugine, Paris, France. Manufacture of aluminum-silicon alloys. 1,831,023; Nov. 10.
Mathieu, Joseph X. (See Blume, L. F., and Mathieu.)
Mathieu, Léon L., Rouen, assignor to Society Anonyme des Hauts-Fourneaux et Fonderies de Pont-A-Mousson, Pont-A-Mousson, Meurthe-et-Moselle, France. Sand-packing device for pipe molds. 1,794,527; Mar. 3.
Mathieu, Léon L., Rouen, assignor to Societe Anonyme des Hauts-Fourneaux et Fonderies de Pont-a-Mousson, Pont-a-Mousson, Meurthe-et Monelle, France. Process and apparatus for the centrifugal casting of metal pipes. 1,797,872; Mar. 24.
Mathieu, Léon L., Rouen, assignor to Societe Anonyme des Hauts-Fourneaux et Fonderies de Pont-a-Mousson, Pont-a-Mousson, Meurthe-et Moselle, France. Apparatus for ejecting pipes cast in flasks in one piece. 1,810,183; June 16.
Mathieu, Louis, Paris, France. Making spun glass. 1,796,571; Mar. 17.
Mathieu, Napoleon. (See Vallée, Joseph A., assignor.)
Mathieu, Vincent J., New Bedford, Mass., assignor to Foley Saw Tool Company, Incorporated, Minneapolis, Minn. Retoothing machine. 1,805,831; May 19.

Mathis, Henry H., New Haven, Conn. Direction signal. 1,835,416; Dec. 8.

Mathis, John, St. Paul, Minn. Grave-marking monument. 1,797,292; Mar. 24.

Mathison, David W., Tuckahoe, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic device. 1,795,498; Mar. 10.

Mathoux, Joseph, assignor to Societe Anonyme Premet, Paris, France. Bottle. Des. 83,907; Apr. 14.

Matines, Gregorie P., Laredo, Tex. Lamp for projecting motion-picture machines. 1,796,954; Mar. 17.

Matlock, Chauncey, Brooklyn, N. Y., assignor to Monroe-Louisiana Carbon Company, Monroe, La. Process and apparatus for producing carbon black. 1,798,614; Mar. 31.

Matlock, Leonard, Rankin, Tex. Cushion tire. 1,790,992; Feb. 3.

Matlowsky, Abraham H., Pedro Miguel, Canal Zone, Panama. Mechanical rabbit. 1,831,503; Nov. 10.

Matoushek, Frank, Colome, S. Dak. Corn harvester. 1,808,855; June 9.

Matro G. m. b. H. (See Massatsch, C., and Cluss, assignors.)

Matson, Carl A., Lynnfield, Mass. Antitheft device. 1,793,235; Feb. 17.

Matson, Carl A., Lynnfield, Mass. Sealing. 1,824,285; Sept. 22.

Matson, Carl A., Danvers, Mass., assignor to Shoe Lace Company, Ltd., Providence, R. I. Packaging machine. 1,797,173; Mar. 17.

Matson, Julius J., Glenwood, Ill. Carburetor. 1,807,423; May 26.

Matson, Oscar A., Chicago, Ill. Spading device. 1,818,148; Aug. 11.

Matson, Richard M., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,797,009; Mar. 17.

Matson, Richard M., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,830,613; Nov. 3.

Matsumoto, Shigeru, Tokyo, Japan. Link belt. 1,819,185; Aug. 18.

Matsuno, Mitsuo, New York, N. Y. Aquarium or similar article. Des. 85,253; Sept. 29.

Matta, George, Braddock, Pa. Piston. 1,830,847; Nov. 10.

Matte, Andrew L., Summit, N. J., assignor to American Telephone and Telegraph Company. System for testing and adjusting energy levels in the transmission of signals. 1,836,127; Dec. 15.

Mattei, Diego, Genoa, Italy. Self acting closure for water tight compartments. 1,806,859; May 26.

Matter, Gustave O., Portland, Oreg. Advertising display apparatus. 1,828,744; Oct. 27.

Mattern, Ernest, South Jamaica, N. Y. Blow-out announcer. 1,798,615; Mar. 31.

Mattern, George A., Berkeley, Calif. Girdled trunks adapted for sunbathing. 1,800,461; Apr. 14.

Mattern, George W., assignor to The Crawford, McGregor & Canby Co., Dayton, Ohio. Golf club. 1,792,852; Feb. 17.

Mattes, Alfred, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Voltage regulation for electric generators. 1,810,288; June 16.

Mattes, Leo A., Berkeley, Calif. Ant poison feeder. 1,804,426; May 12.

Matteson Air Cooler Company. (See Matteson, Ralph D., assignor.)

Matteson, Clyde P., Detroit, Mich. Flag. 1,801,518; Apr. 21.

Matteson, George F., Rockyhill, assignor to The F. B. Shuster Company, New Haven, Conn. Wire or rod polisher. 1,797,174; Mar. 17.

Matteson, George F., Rocky Hill, assignor to The Fuller Brush Company, Hartford, Conn. Feeding mechanism for punch presses. 1,805,219; May 12.

Matteson, George F., Rockyhill, assignor to The F. B. Shuster Company, New Haven, Conn. Strip straightening and cutting machine. 1,810,976; June 23.

Matteson, Jesse O., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Billiard table. Des. 83,983; Apr. 21.

Matteson, Jesse O., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Billiard table. Des. 83,984; Apr. 21.

Matteson Machine Works. (See Richardson, Jairus S., assignor.)

Matteson, Ralph D., assignor to Matteson Air Cooler Company, Boise, Idaho. Air cooler and humidifier. 1,790,993; Feb. 3.

Matthaei, Curt., Offenbach, Germany. Device for unwinding coiled wires, band iron and the like. 1,816,385; July 28.

Matthes, Harold L., assignor to The Weis Manufacturing Company, Monroe, Mich. Visible index system. 1,838,562; Dec. 29.

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Splicer. 1,823,330; Sept. 15.

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Splicer. 1,832,940; Nov. 24.

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,837,460; Dec. 22.

Matthews, Claude L., St. Louis, L. P. Boll, University City, and L. L. Crump, Kirkwood, Mo., assignors to W. N. Matthews Corporation, St. Louis, Mo. Guy guard. 1,805,251; May 12.

Matthews, Frank J., Seattle, Wash. Check protector. 1,819,375; Aug. 18.

Matthews, Frank L., Balboa, Calif. Oar and paddle holder and lock. 1,816,334; July 28.

Matthews, George A. (See Schwarz, R. E., and Matthews.)

Matthews, H. A., Manufacturing Company, The. (See Boesel, Otto A., assignor.)

Matthews, H. A., Manufacturing Company, The. (See Naylor, Henry R., assignor.)

Matthews, Herbert F. McG., Fort McKinley, Rizal, Philippine Island. Vehicle. 1,837,278; Dec. 22.

Matthews, Howard D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,809,304; June 9.

Matthews, Howard D., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermostat. 1,809,305; June 9.

Matthews, Howard W. (See Berger, E. J., Matthews, and Schindler.)

Matthews, Howard W. (See Bock, W., and Matthews.)

Matthews, Jas. H., & Company. (See Anderson, H., and Gannon, assignors.)

Matthews, James S., Clinton, Okla. Cotton-topping apparatus. 1,790,105; Jan. 27.

Matthews, Joseph O. (See Allen, M. L., and Matthews.)

Matthews, Kinchen N., Cleveland Heights, Ohio. Piston construction. 1,801,517; Apr. 21.

Matthews, Lee C., Ingot, Calif. Pump. 1,796,935; Mar. 17.

Matthews, Louis I., Merion, Pa. Electric sign. 1,813,414; July 7.

Matthews, Marian A., Newburgh, N. Y. Bedspring. 1,823,836; Sept. 15.

Matthews, Marian A., Newburgh, N. Y. Sharpening device. 1,827,664; Oct. 13.

Matthews, Milton J., Detroit, Mich. Collet. 1,827,795; Oct. 20.

Matthews, Philip E., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Bus. Des. 85,191; Sept. 22.

Matthews, Philip E., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Frictional vibration damper. 1,799,630; Apr. 7.

Matthews, Philip E., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Front axle stabilizing device. 1,820,753; Aug. 25.

Matthews, Philip E., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Clutch brake. 1,822,160; Sept. 8.

Matthews, Philip E., Plainfield, N. J., assignor to International Motor Company, New York, Stabilizing device for steering knuckles. 1,828,425; Oct. 20.

Matthews, Philip E., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Auxiliary spring for shaft driven vehicles. 1,834,286; Dec. 1.

Matthews, Samuel T. (See Cave, V. M., and Matthews.)

Matthews, Thomas, F., Manchester, N. H. Combination shoe rack. 1,828,331; Oct. 20.

Matthews, W. N., Corporation. (See Birkenmaier, Theodore, assignor.)

Matthews, W. N., Corporation. (See Birkenmaier, T., and Boll, assignors.)

Matthews, W. N., Corporation. (See Boll, L. P., and Birkenmaier, assignors.)

Matthews, W. N., Corporation. (See Heinrich, Walter A., assignor.)

Matthews, W. N., Corporation. (See Matthews, C. L., Boll, and Crump, assignors.)

Matthews, Walter R., Willesden, London, England. Electric measuring instrument. 1,792,385; Feb. 10.

Matthews, William R., and E. Jones, Spokane, Wash. Building front. Des. 84,996; Sept. 1.

Matthey, William A., Kansas City, Mo. Variable pitch airplane propeller. 1,825,881; Oct. 6.

Matthias, Charles, Milwaukee, Wis. Vegetable cutter. 1,789,012; Jan. 13.

Matthiesen, Hilbert P., and C. G. Beveridge, Oklahoma City, Okla. Self-adjusting screen-door grille as an article of manufacture. 1,799,308; Apr. 7.

Matthiessen, Ira C. (See Hill, P. E., and Matthiessen.)

Mattia, Philip, Chicago, Ill. Electrical attachment plug. 1,819,910; Aug. 18.

Mattingly, Harold W., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Inductor relay. 1,795,787; Mar. 10.

Mattingly, Harold W., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,827,796; Oct. 20.

Mattinson, Henry. (See Tilly, E. C., and Mattinson.)

Mattison, Carl L., assignor to Mattison Machine Works, Rockford, Ill. Chain feed drive. 1,809,054; June 9.

Mattison, Carl L., assignor to Mattison Machine Works, Rockford, Ill. Conveyer pad. 1,817,037; Aug. 4.

Mattison, Carl L., assignor to Mattison Machine Works, Rockford, Ill. Turning machine. 1,817,493; Aug. 4.

Mattison Machine Works. (See Mattison, Carl L., assignor.)

Mattison Machine Works. (See Medholdt, Louis T., assignor.)

Mattison Machine Works. (See Richardson, Jairus S., assignor.)

Mattison, Norman D., New York, N. Y. Footwear. 1,818,730; Aug. 11.
Mattison, Norman D., New York, N. Y. Footwear. 1,818,731; Aug. 11.
Mattman, Gustave F., assignor to The Cincinnati Advertising Products Company, Cincinnati, Ohio. Display device. 1,790,871; Feb. 3.
Mattoon, Roy E., Superior, Wis. Shutter. 1,802,953; Apr. 28.
Mattson, Olof O., et al. (See Marxen, Fred W., assignor.)
Mattson, William J., St. Paul, Minn. Faucet or valve. 1,832,228; Nov. 17.
Matush, Milan A. (See Andrus, O. E., and Matush.)
Matushak, Joseph, Garfield, N. J. Child's vehicle. 1,788,774; Jan. 13.
Matuskey, William, New York, N. Y. Life saving belt. 1,833,614; Nov. 24.
Matveyeff, Michael N., Stratford, Conn. Device for attaching fabrics to airplane ribs. 1,796,572; Mar. 17.
Matys, Emanuel, New York, N. Y. Coin and picture frame. 1,836,035; Dec. 15.
Matzka, Otto, assignor to the firm "Electa" Apparatenbau-Gesellschaft m. b. H., Vienna, Austria. Apparatus for affixing stamps, labels, and the like. 1,807,424; May 26.
Matzka, Wincenty, London, England. Apparatus for the sterilization of liquids. 1,812,105; June 30.
Matzka, Wincenty, London, England. Preserving eggs. 1,813,064; July 7.
Mau, Edward A. (See Greenleaf, J. W., and Mau.)
Mau, Edward A., assignor to Landers, Frary & Clark, New Britain, Conn. Circuit controlling mechanism. 1,821,559; Sept. 1.
Mau, George A., assignor to The Coal Treating Equipment Company, Cleveland, Ohio. Dissolving a deliquescent material. 1,800,894; Apr. 14.
Mauck, Victor, Merion, Pa. Gas water heater. 1,787,989; Jan. 6.
Mauck, Victor, Merion, Pa. Gas burner. 1,823,111; Sept. 15.
Mauck, Victor, Merion, Pa. Gas water heater. 1,824,357; Sept. 22.
Maude, Aylmer H. (See Reid, H. S., and Maude.)
Maude, Aylmer H., C. J. Rodman, and C. A. Styer, Wilkinsburg, and W. C. Wilharm, Edgewood, Pa., assignors to Westinghouse Electric & Manufacturing Company. Deoxidizer. 1,821,388; Sept. 1.
Mauerhoff, Emil., Dessau, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Silver halid emulsion and making the same. 1,815,983; July 28.
Maujole, Lucien E. (See Gobereau, R. R., and Maujole.)
Mauk, Robert R., and H. L. Patterson, Grand Rapids, Mich. Draft gear. 1,830,706; Nov. 3.
Maul, Henry C., assignor to Detroit-Michigan Stove Company, Detroit, Mich. Gas stove. Des. 85,110; Sept. 15.
Maul, Henry C., assignor to Detroit-Michigan Stove Company, Detroit, Mich. Gas stove. 1,802,086; Apr. 21.
Maul, Henry C., assignor to Detroit Michigan Stove Company, Detroit, Mich. Oven door stop. 1,833,171; Nov. 24.
Maulen, Frederick, East Orange, N. J., assignor to Baker & Company, Inc. Dental alloy for swaged dentures. 1,807,068; May 26.
Mauler, Maurice, Pleasanton, Nebr. Tractor wheel. 1,793,411; Feb. 17.
Maull, James L., Orlando, Fla. Box head or end for field boxes. 1,819,752; Aug. 18.
Maulsby, John R. (See Maulsby, Zene R. and J. R.)
Maulsby, Zene R. and J. R., Everett, Wash. Fabric forming machine. Re18,146; Aug. 4.
Mauney, William C., Gastonia, N. C. Ball throwing machine. 1,825,882; Oct. 6.
Maupin, Graves R., assignor to The J. Faessler Mfg. Company, Moberly, Mo. Hole rolling tool. 1,837,624; Dec. 22.
Maurel Henry F., assignor to Maurel Investment Corporation, Providence, R. I. Conveyer bucket. 1,824,611; Sept. 22.
Maurel Investment Corporation. (See Maurel, Henry F., assignor.)
Maurer, Andy, Round Mountain, Calif. Reversible plow. 1,809,246; June 9.
Maurer, Edwin R., Detroit, and D. M. Ferguson, Highland Park, assignors to Divco-Detroit Corporation, Detroit, Mich. Steering mechanism for delivery vehicles. 1,812,887; July 7.
Maurer, Edwin R., Detroit, and D. M. Ferguson, Highland Park, assignors to Divco-Detroit Corporation, Detroit, Mich. Truck body construction. 1,831,360; Nov. 10.
Maurer, Georg, Berlin-Charlottenburg, Germany. System for controlling the energizing of lamps on electric signs. 1,788,727; Jan. 13.
Maurer, Georg, Berlin-Charlottenburg, Germany. System for controlling electric switches. 1,824,828; Sept. 29.
Maurer, Gottfried, Zurich, Switzerland. Knot removing and repairing machine. 1,838,426; Dec. 29.
Maurer, Max. (See Kuhnert, W., and Maurer.)
Maurer, Russell L., assignor of one-fourth to G. E. Mueller, Chicago, Ill. Telephone system. 1,806,546; May 19.
Maurice, George P., Kansasville, Wis. Adjustable steering-wheel post. 1,795,567; Mar. 10.
Mauriello, Gabriele. (See Bonardi, Victoria M., assignor.)
Mauro, Frank J., Brooklyn, N. Y. Weatherproof license plate holder for motor vehicles. 1,807,246; May 26.
Maurus, Harry, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 85,704; Dec. 8.
Maurus, Harry, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 85,705; Dec. 8.
Maurus, Harry, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 85,706; Dec. 8.
Maurus, Harry, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 85,758; Dec. 15.
Maurus, Harry, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 85,759; Dec. 15.
Maurus, Harry, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 85,760; Dec. 15.
Mauser-Werke A. G. (See Nickl, Josef, assignor.)
Mauser-Werke Aktiengesellschaft. (See Kissendorfer, Karl, assignor.)
Mauss, Edward J., Du Page Crossing, Ill. Fishing rod attachment. 1,833,787; Nov. 24.
Mauterer, Arthur, Dortmund, Germany. Pile wall. 1,835,417; Dec. 8.
Mauthe, Gustav. (See Doser, A., Mauthe, and Thauss.)
Mauthe, Jacob, Waterbury, Conn. Pencil finger support. 1,793,945; Feb. 24.
Mauzey, James P., Kennewick, Wash. Air-heating means. 1,793,502; Feb. 24.
Mavrogenis, Aristote, Milwaukee, Wis. Electron-discharge device. 1,789,186; Jan. 13.
Mavrogenis, Aristote, Milwaukee, Wis. Tube base adapter. 1,825,534; Sept. 29.
Mawha, James K., Maplewood, N. J., assignor to Smoot Engineering Corporation, New York, N. Y. Open hearth furnace control. 1,812,268; June 30.
Max, George T., assignor to Rex Manufacturing Company, Fort Worth, Tex. Electric water heater. 1,818,808; Aug. 11.
Maxam, Leonard L., assignor of one-third to C. S. Crews, San Pedro, Calif. Padded sound reproducing horn. 1,808,174; June 2.
Maxey, Fred H., assignor of one-half to Saxon and Warren, Camden, Ark. Automatic stock regulator for paper machines. 1,838,563; Dec. 29.
Maxfield, Harold A., Worcester, Mass. Motor starting and control mechanism. 1,807,997; June 2.
Maxfield, Joseph P., Maplewood, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Sound recording method. Re18,228; Oct. 20.
Maxim Silencer Company, The. (See Bourne, Roland B., assignor.)
Maxim Silencer Company, The. (See Reynolds, Kenneth J., assignor.)
Maxim, William D., New York, and E. A. Mahannah, Niagara Falls, N. Y., assignors to International Paper Company. Automatic control of power. 1,802,660; Apr. 28.
Maximoff, Alexander T. (See Cadwell, S. M., and Maximoff.)
Maxmoor Corporation. (See Moore, Arlington, assignor.)
Maxson, Charles B., assignor of one-half to J. W. Maxson, Westerly, R. I. Machine for cutting sheet material. 1,800,867; Apr. 14.
Maxson, Charles B., assignor of one-half to J. W. Maxson, Westerly, R. I. Sheet cutting and feeding machine. 1,804,223; May 5.
Maxson, Julian W. (See Maxson, Charles B., assignor.)
Maxson, Louis A., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting device. 1,791,733; Feb. 10.
Maxson, Louis A., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,792,109; Feb. 10.
Maxwell, Calvin T., Huntsville, Tex. Automatic drilling rig. 1,789,241; Jan. 13.
Maxwell, Earl E., Boston, Mass. Ignition meter. Des. 83,462; Feb. 24.
Maxwell, Edward G. (See Wright, G. E. P., and Maxwell.)
Maxwell, Francis, Wallington, England. Sugar-cane-crushing apparatus. 1,792,502; Feb. 17.
Maxwell House Products Company. (See Phillips, W. L., and Neal, assignors.)
Maxwell, John S., San Diego, Calif. Airfoil. 1,822,976; Sept. 15.
Maxwell, Robert M., Kansas City, Mo. Awning bracket. 1,815,925; July 28.
Maxwell, Shirley, Los Angeles, Calif. Brassière and harness. 1,794,785; Mar. 3.
Maxwell, William H. (See Baash, L. F., and Maxwell.)
Maxwell, William H., et al., executors. (See Triplet, James B.)
Maxwell, William H., Los Angeles, Calif. Jarring tool. 1,804,700; May 12.
Maxwell, William H., Beverly Hills, assignor to Baash-Ross Tool Company, Incorporated, Los Angeles, Calif. Bearing mounting. 1,828,118; Oct. 20.
Maxwell, William J., Flushing, N. Y. Filling machine. 1,791,825; Feb. 10.
May, Adam J., assignor to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Headrest. 1,817,755; Aug. 4.
May, Adam J., assignor to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Headrest. 1,821,560; Sept. 1.
May, Albert C., New Cross, England. Method of and device for manufacturing hollow earthenware articles. 1,839,110; Dec. 29.
May, Clarence B., Portland, Oreg. Pocket attachment for stiff book covers. 1,787,791; Jan. 6.

May, Duncan. (See George, Stephen A., assignor.)
May, Edward A., assignor to Technical Supply Company, Scranton, Pa. Drafting table. 1,829,288; Oct. 27.
May, Edward M., Chicago, assignor to Combustioneer Inc., Cicero, Ill. Blower. 1,834,959; Dec. 8.
May, Edwin T., Chilwell, and A. Sherriff, assignors to F. Attenborough, Long Eaton, England. Circular knitting machine. 1,808,242; June 2.
May, Frank J., St. Paul, Minn. Hydraulic jack. 1,788,027; Jan. 6.
May, Harold F., Valley Stream, N. Y., assignor to American Telephone and Telegraph Company. Telegraph system. 1,807,744; June 2.
May Hosiery Mills. (See Perry, Napoleon J., assignor.)
May Hosiery Mills. (See Smith, William L., jr., assignor.)
May, Jakob, Cologne, Germany. Rail brake. 1,800,895; Apr. 14.
May, John W., Belmont, Mass. Shoe and shoemaking. 1,816,386; July 28.
May & Malone, Incorporated. (See Sejnoha, Charles E., assignor.)
May, Robert G., Louisville, Ky. Automobile direction indicator. 1,836,608; Dec. 15.
May, Walter, Okanogan, Wash. Fruit-picker's bag. 1,797,097; Mar. 17.
Maybach, Karl, assignor to Maybach-Motorenbau Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Controlling device for carburetors of internal combustion engines. 1,833,908; Dec. 1.
Maybach-Motorenbau, Gesellschaft mit beschränkter Haftung. (See Maybach, Karl, assignor.)
Maybee, Wesley E. (See Gaskin, R. J., and Maybee.)
Mayberry, Bertha M. (See Mayberry, Fred L., assignor.)
Mayberry, Fred L., assignor to B. M. Mayberry, New Castle, Pa. Amusement ride. 1,815,860; July 21.
Mayden, John W., Weleetka, Okla. Auto table for safeway garages. 1,804,363; May 5.
Maye, Edward, Washington, D. C. Internal combustion engine. 1,808,675; June 2.
Mayehoff, Katherine L. (See Belokopytoff, Alexander J., assignor.)
Mayer, Arthur E. assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. Des. 83,688; Mar. 17.
Mayer, Arthur E., assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. Des. 83,689; Mar. 17.
Mayer, Bertram, Basel, and J. Würgler, Neuewelt, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuff of the anthraquinone series. 1,788,314; Jan. 6.
Mayer, Bertram, Basel, and J. Grimmer, Neuewelt, near Basel, assignors to Societe of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuff and making same. 1,819,961; Aug. 18.
Mayer, Bertram, and H. Siebenbürger, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Vat dyestuffs and making same. 1,831,715; Nov. 10.
Mayer, Bertram, and H. Siebenbürger, assignors to Firm Society of Chemical Industry in Basle, Basel, Switzerland. Vat-dyestuffs of the dibenzanthrone series and making same. 1,831,716; Nov. 10.
Mayer, Bertram, K. Krauer, and H. Siebenbürger, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Vat-dyestuffs and intermediate products and making same. 1,836,859; Dec. 15.
Mayer, Bruce A., et al. (See Stover, Frank E., assignor.)
Mayer, Charles W., Rochester, N. Y. Street-marking machine. 1,795,660; Mar. 10.
Mayer, Charles W., Rochester, N. Y. Cylinder for paper coating machines and the like. 1,837,562; Dec. 22.
Mayer China Company. (See Fulton, George, assignor.)
Mayer China Company. (See Hardesty, Benjamin D., assignor.)
Mayer China Company. (See Luken, Randolph, E., assignor.)
Mayer China Company. (See Mayer, Arthur E., assignor.)
Mayer China Company. (See Mayer, Walter S., assignor.)
Mayer China Company. (See Wain, Harry J., assignor.)
Mayer, Daniel J., Belleville, N. J., assignor to Metal Textile Corporation. Gimping machine. 1,836,331; Dec. 15.
Mayer, Emil, Vienna, Austria, assignor to Drem Products Corporation, New York, N. Y. Camera tripod clutch. 1,830,475; Nov. 3.
Mayer, Emil, Schenectady, N. Y. Starting connection for alternating currents. 1,837,563; Dec. 22.
Mayer, Frank M., Bellefonte, Pa. Grinding mill for grains. 1,794,972; Mar. 3.
Mayer, Fred W., Chicago, Ill. Torque controlled gear changing mechanism. 1,812,445; June 30.
Mayer, Fritz, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Condensation product and dyestuffs from thionaphthene-2.3-dicarboxylic acids and process for preparing the same. 1,809,207; June 9.
Mayer, Hans. (See Straub, F., and Mayer.)
Mayer, Hans. (See Straub, F., Mayer, and Hanhart.)
Mayer, Henry J., assignor to Mayer Manufacturing Company, Mankato, Minn. Awning winch. 1,800,222; Apr. 14.
Mayer, Herbert G., Glencoe, assignor to Reliance Manufacturing Company, Chicago, Ill. Child's legging pants. 1,823,458; Sept. 15.
Mayer, Herbert H., and R. G. La Motte, Helena, Mont. Sulphuric acid fuming and decomposition process for the recovery of zinc. 1,808,929; June 9.
Mayer, Joseph F., St. Louis, Mo. Internal-combustion engine. 1,790,013; Jan. 27.
Mayer, Julius, Detroit, Mich. Vehicle wheel. 1,832,405; Nov. 17.
Mayer, Leo, assignor to Henry Cole Company, Boston, Mass. Switch. 1,822,161; Sept. 8.
Mayer, Leon, Chicago, Ill. Pocket case for paper currency. 1,799,383; Apr. 7.
Mayer Manufacturing Company. (See Mayer, Henry J., assignor.)
Mayer Manufacturing Corporation. (See Smith, Jacob A., assignor.)
Mayer, Rudolf, assignor to Gesellschaft fur Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. High-speed regulator and governor. 1,798,616; Mar. 31.
Mayer, Waldemar F., Rutherford, N. J., assignor to The Alba Corporation, St. Albans, Vt. Coordinated ironing and folding machine. 1,805,776; May 19.
Mayer, Walter S., Philadelphia, Pa. Locking mechanism for switches. 1,791,279; Feb. 3.
Mayer, Walter S., Philadelphia, Pa. Bus support. 1,793,430; Feb. 17.
Mayer, Walter S., Beaver, assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. Des. 85,111; Sept. 15.
Mayer, Walter S., and W. T. Bradley, Philadelphia, Pa. Conduit clamp. 1,797,214; Mar. 17.
Mayer, William. (See Halpern, M., and Mayer.)
Mayer, William G., Pittsburgh, Pa. Subframe construction. 1,797,530; Mar. 24.
Mayer, William G., Pittsburgh, Pa. Truck body ventilator. 1,818,415; Aug. 11.
Mayerhofer, Thomas, assignor to C. Tuteur, Chicago, Ill. Lawn sprinkler. Des. 83,690; Mar. 17.
Mayerhofer, Thomas, assignor to C. Tuteur, Chicago, Ill. Lawn sprinkler. Des. 83,691; Mar. 17.
Mayerhofer, Thomas, assignor to C. Tuteur, Chicago, Ill. Lawn sprinkler. Des. 83,692; Mar. 17.
Mayeroff, Jacob, and A. J. Quinby, Bronx, N. Y. Display box. 1,800,091; Apr. 7.
Mayers, Wilbur S., Fairmont, W. Va., assignor to Hartford-Empire Company, Hartford, Conn. Automatic transfer machine. 1,811,832; June 23.
Mayes, Frank A. (See Hicks, F. R., jr., and Mayes.)
Mayette, Edgar, assignor to Kennedy-McCandless Corporation, Rochester, N. Y. Child's crib. 1,834,468; Dec. 1.
Mayflower, Collis S., Flagstaff, Ariz. Glass edging machine. 1,804,263; May 5.
Mayhew, Franklin M., V. N. Reiff, and G. E. Kelly; said Mayhew and said Reiff assignors to Atwater Kent Manufacturing Company, Philadelphia, Pa. Method of and apparatus for forming leads. 1,835,801; Dec. 8.
Mayhew, George E., assignor to Swift and Company, Chicago, Ill. Cover lifter. 1,820,575; Aug. 25.
Mayhew, Sanford B., Marietta Township, Whatcom County, Wash. Barbecue stove. 1,822,355; Sept. 8.
Mayhew, Stanley J. (See Gooch, Raymond L., assignor.)
Mayhew, Walter H., Toronto, Ohio. Apparatus for handling unburnt clay pipes. 1,790,276; Jan. 27.
Maymon, Harry S., Brooklyn, N. Y. Cigarette extinguisher. 1,789,316; Jan. 20.
Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Lens-surfacing machine. 1,800,308; Apr. 14.
Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Lens edging machine. 1,827,368; Oct. 13.
Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Staple package. 1,792,235; Feb. 10.
Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Wire stitching or stapling machine. 1,802,822; Apr. 28.
Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Stapling machine. 1,815,066; July 21.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Device for spraying latex. 1,795,875; Mar. 10.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Cementing device for splicing tubes. 1,800,462; Apr. 14.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Breaking down rubber. 1,802,119; Apr. 21.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Rubber tube and method of and apparatus for making the same. 1,802,120; Apr. 21.
Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Marking rubberized material. 1,837,461; Dec. 22.
Maynard, Frank J., St. Louis, Mo. Storage battery tool. 1,820,313; Aug. 25.
Maynard, Howard E., assignor to Chrysler Corporation, Detroit, Mich. Wrench. 1,805,368; May 12.
Maynard, Howard E., assignor to Chrysler Corporation, Detroit, Mich. Brake shoe. 1,818,565; Aug. 11.
Maynard, Joseph A., Boston, Mass. Temperature and vacuum relief device. 1,812,888; July 7.

Maynard, Joseph A., Boston, Mass. Temperature relief device. 1,814,722; July 14.
Maynard, Joseph A., Boston, Mass. Vacuum relief valve. 1,829,567; Oct. 27.
Maynard, Merlin T. R., San Jose, Calif. Cork. 1,825,006; Sept. 29.
Maynard, Rea E. (See MacArthur, William J., assignor.)
Maynard, Vance R., Greensboro, N. C., assignor to The Stafford Company, Readville, Mass. Harness connecter for looms. 1,828,058; Oct. 20.
Mayne, Robert, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Load-limiting method and apparatus. 1,808,563; June 2.
Mayo, Edward L. (See Levy, Edward J.)
Mayo, Frank, and F. L. Fraizer, Troy, Ohio. Breaker bar for gummed paper and the like. 1,823,620; Sept. 15.
Mayo, George W., and D. F. Morse, Laconia, N. H. Making latch needles. 1,798,890; Mar. 31.
Mayo, Herbert H., Columbus, Ga. Adjustable fastener. 1,791,420; Feb. 3.
Mayo, Llewellyn A., Hannaford, N. Dak. Highway-guard structure. 1,789,243; Jan. 13.
Mayo, Nathan N. (See Winer, J. F., and Mayo.)
Mayoh, Frank H. (See Tindal, J. R., and Mayoh.)
Mayor, Joland A. P., Lausanne, Switzerland, assignor to Société Alsacienne De Produits Chimiques, Paris, France. Catalysts and making same. 1,832,569; Nov. 17.
Mayr, Karl A., New York, N. Y., assignor to Siemens-Schuckertwerke Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Fuel-burning system. 1,799,757; Apr. 7.
Mayr, Karl A., New York, N. Y., assignor to Siemens-Schuckertwerke Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Fuel-burning system. 1,799,758; Apr. 7.
Mayr, Karl A., New York, N. Y., assignor to Siemens-Schuckertwerke Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Steam generator. 1,814,605; July 14.
Mayr, Karl A., New York, N. Y., assignor to Siemens-Schuckertwerke Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Steam generating system. 1,819,186; Aug. 18.
Mayr, Karl A., and R. E. White; said White assignor, by mesne assignments, to The G. W. Dulany Trust, Chicago, Ill. Balanced valve. 1,819,615; Aug. 18.
Mayr, Otto. (See Wideröe, R., and Mayr.)
Mayr, Otto, Karlshorst, Germany, assignor to General Electric Company. Protective apparatus. 1,815,861; July 21.
Mayr, Karl A., Chicago, Ill. Furnace. 1,827,946; Oct. 20.
Maytag Company, The. (See Snyder, Howard F., assignor.)
Mayrshofer, Richard, Munich, Germany. Electric plug. 1,800,259; Apr. 14.
Mays, Hubert, and S. H. Kirkland, Tampa, Fla. Artificial bait. 1,820,670; Aug. 25.
Mays, James J., assignor to Oil City Boiler Works, Oil City, Pa. Steam boiler and forming the same. 1,815,627; July 21.
Mays, Robert P. (See Highfill, S. L., and Mays.)
Maysent, Charles D., Kirkman, Iowa. Harvester attachment. 1,794,720; Mar. 3.
Maytag Company, The. (See Bowden, William H., assignor.)
Maytag Company, The. (See Mikulasek, John, assignor.)
Maytag Company, The. (See Miller, G. L., and Mikulasek, assignors.)
Maytag Company, The. (See Snyder, Howard F., assignor.)
Maze, W. H., Company. (See Domagall, John E., assignor.)
Mazer, Joseph, New York, N. Y. Ring expander. 1,830,235; Nov. 3.
Mazer, Marcus, Philadelphia, Pa. Acoustic slab. 1,804,884; May 12.
Mazerock, Albert M., Winnetka, Ill. Attachment for shoes. 1,819,962; Aug. 18.
Mazur, Mary. (See Schou, Michel F., assignor.)
Mazur, Samuel, Buffalo, N. Y., assignor to The Sessions Clock Company, Forestville, Conn. Clock. 1,837,462; Dec. 22.
Mazurie, Harry R., Pittsburgh, Pa., assignor to National Tube Company. Protector for pipe ends. 1,837,169; Dec. 15.
Mazurie, James V. (See Bark, W., and Mazurie.)
Mazurie, James V., Gary, Ind. Expanding mill roll. 1,837,168; Dec. 15.
Mazurie, James V., and T. Patterson, Gary, Ind., assignor to National Tube Company. Seamless tube mill. 1,826,360; Oct. 6.
Mazzini, Franco, Milan, Italy. Structure of monoplanes with thick wings. 1,790,715; Feb. 3.
Mazzuchelli, Paul A. (See Bossi, J. B., and Mazzuchelli.)
McAbee, Paul A., Fort Pierce, Fla. Sewing-machine governor. 1,791,734; Feb. 10.
McAdams, Frank J., Chicago, Ill. Heating apparatus. 1,805,338; May 12.
McAdams, Harry. (See Vogt, J. H., and McAdams.)
McAdams, Harry, Atlantic City, N. J. Tapered-splice-knitting machine. 1,790,588; Jan. 27.
McAdams, Harry, Atlantic City, N. J. Terry loop fabric knitting machine. 1,814,944; July 14.
McAdams, Harry, Philadelphia, Pa. Machine for knitting terry-looped fabric. 1,800,092; Apr. 7.
McAdams, Harry, Philadelphia, Pa. Knitting machine. 1,801,167; Apr. 14.
McAdams, Harry, Philadelphia, Pa. Knitting machine. 1,805,339; May 12.
McAdams, Harry, Margate City, N. J. Stop motion mechanism. 1,805,340; May 12.
McAdams, Robert H., et al. (See Eustis, Harry C., assignor.)
McAfee, Almer M., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Making aluminum chloride. 1,814,397; July 14.
McAfee, Almer M., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Manufacture of aluminum chloride. 1,833,430; Nov. 24.
McAfee, Paul, assignor to Dallas Foundry, Dallas, Tex. Meter box lid and lock therefor. 1,824,092; Sept. 22.
McAfoos, Lawrence R., Bellevue, assignor to Reliance Steel Products Company, Pittsburgh, Pa. Furnace door frame. 1,831,461; Nov. 10.
McAlear, James, Chicago, Ill. Water regulator for boilers. 1,803,479; May 5.
McAlees, Edward C., Los Angeles, Calif. Adaptable pipe fitting. 1,818,858; Aug. 11.
McAllister, Edward J., Los Angeles, Calif. Signal gate for motor vehicles. 1,814,477; July 14.
McAllister, Harry E., Mariners Harbor, Staten Island, N. Y. Automatic window sash lock. 1,819,824; Aug. 18.
McAllister, Raymond C., Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Floating plunger. 1,835,662; Dec. 8.
McAllister, Thomas E. (See Evans, J. D., McVey, and McAllister.)
McAnaney, Mary, Wooster, Ohio. Window-shade protector. 1,789,764; Jan. 20.
McAninch, J. E., et al. (See Woods, Robert G., assignor.)
McAnulty, Semmeon M., assignor to Republic Carbon Company, Niagara Falls, N. Y. Molding granular mixture. 1,818,234; Aug. 11.
McArdle, Edward H., Elizabeth, N. J., assignor to A. Klipstein and Company, New York, N. Y. Core oils and producing same. 1,822,411; Sept. 8.
McArdle, Edward J., Omaha, Nebr., deceased; K. A. McArdle, administratrix, assignor of one-third to J. J. Gleason and one-third to O. Kern. Self inking stamp holder. 1,834,629; Dec. 1.
McArdle, Kathryn A., administratrix. (See McArdle, Edward J.)
McArdle, Michael W., Chicago, Ill. Combined lighter and tray. Des. 83,231; Feb. 3.
McArdle, Michael W., Chicago, Ill. Electric waffle iron. Des. 83,332; Feb. 17.
McArdle, Michael W., Chicago, Ill. Electric food mixer. Des. 83,410; Feb. 17.
McArdle, Michael W., Chicago, Ill. Toaster. Des. 84,899; Aug. 18.
McArdle, Michael W., Chicago, Ill. Sheath for electric warming pads. 1,823,155; Sept. 15.
McArdle, Michael W., Chicago, and G. A. Browning, Wilmette, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Attachment plug for electric heating devices. 1,834,793; Dec. 1.
McArthur Brothers Mercantile Co. (See McArthur, Warren, jr., assignor.)
McArthur, Warren, jr., assignor to McArthur Brothers Mercantile Co., Phoenix, Ariz. Touring and camping road vehicle. 1,796,112; Mar. 10.
McAtree, John L., Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Catch means for vanity cases. 1,788,399; Jan. 13.
McAtree, John L., New York, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lip stick. 1,794,385; Mar. 3.
McAtree, John L., Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,806,303; May 19.
McAtree, John L., Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,837,722; Dec. 22.
McAtree, John L., Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,838,697; Dec. 29.
McAuley Automatic Trap Company, The. (See Covey, Clarence F., assignor.)
McAuley Automatic Trap Company, The. (See Staaf, Werner I., jr., assignor.)
McAvoy, Charles F., and D. E. McAvoy, Long Island City, N. Y. Unit-system building construction. 1,825,195; Sept. 29.
McAvoy, Charles V., assignor to McAvoy Products Co., Chicago, Ill. Antifreeze solution. 1,798,547; Mar. 31.
McAvoy, Daniel E. (See McAvoy, Charles F. and D. E.)
McAvoy, Dan J., assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Sand displacer. 1,807,578; May 26.
McAvoy Products Co. (See McAvoy, Charles V., assignor.)
McBee Binder Company, The. (See Morton, William J., assignor.)
McBee Binder Company, The. (See Siegfreid, Wilbur L., assignor.)
McBee Binder Co., The. (See Welk, Nelson S., assignor.)
McBee, Lorene, St. Louis, Mo. Doll and toy animal. 1,790,872; Feb. 3.
McBerty, Fred P., Warren, Ohio. Combined electric welder and flash stripper. 1,832,719; Nov. 17.

McBeth, Ira G., and J. R. Allison, assignors to Leffingwell Rancho Company, Whittier, Calif. Insecticide and fungicide. 1,787,585; Jan. 6.
McBeth, Ira G., and J. R. Allison, assignors to Leffingwell Rancho Company, Whittier, Calif. Insecticide and fungicide. 1,787,586; Jan. 6.
McBride, Arthur C., and F. W. Renworth, assignors of one-third to C. H. E. Remondino, San Diego, Calif. Automobile hood-holding means. 1,794,786; Mar. 3.
McBride, Byron V. (See Frost, L. E., and McBride.)
McBride, Byron V., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Continuous method of chromium plating metallic wires or strips. 1,794,973; Mar. 3.
McBride, Byron V., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Producing chromium plated tools. 1,838,273; Dec. 29.
McBride, Carl M., Eureka, Calif. Pneumatic heel. 1,819,565; Aug. 18.
McBride, Charles C., Sanger, Calif. Clinometer. 1,836,079; Dec. 15.
McBride, Dorothy, New Orleans, La. Bathing cap. 1,798,024; Mar. 24.
McBride, George, Belfast, Ireland. Mail bag. 1,797,961; Mar. 24.
McBride, Herbert D., Bellevue, and J. S. Campbell, Pittsburgh, Pa. Grass trimmer. 1,796,606; Mar. 17.
McBride, John J., Bayonne, N. J. Side frame for car trucks. 1,787,990; Jan. 6.
McBride, John J., Bayonne, N. J. Truck for railway cars. 1,821,104; Sept. 1.
McBride, Lewis M., Edgewood, Md. Manually-supported mortar. 1,789,530; Jan. 20.
McBride, Lewis M., Edgewood, Md. Ordnance piece. 1,790,873; Feb. 3.
McBride, Lewis M., Fort Sill, Okla. Shell construction. 1,812,010; June 30.
McBride, Lewis M., Fort Sill, Okla., and F. B. Hale, Bel Air, Md. Shell construction. 1,819,106; Aug. 18.
McBride, Lewis M., Fort Sill, Okla. Mechanical loader for muzzle loading mortars. 1,827,031; Oct. 13.
McBride, Thomas C., Philadelphia, Pa., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Feed-water heater. 1,796,717; Mar. 17.
McBride, Thomas C., Philadelphia, Pa., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Feed water heater. 1,837,876; Dec. 22.
McBrien, Roger W., Alton, Ill. Clamp for hose or compressible tubing. 1,789,013; Jan. 13.
McBurney, John D., and E. H. Nollau, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Prevention of livering in pigmented carbohydrate-compound compositions. 1,836,264; Dec. 15.
McBurney, John D., and E. H. Nollau, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nonlivering coating composition. 1,836,265; Dec. 15.
McCaa, David G., Philadelphia, Pa. Method of and apparatus for controlling alternating current. 1,814,051; July 14.
McCabe, Eva. (See McCabe, Horace B., assignor.)
McCabe, Frank E., assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Treating molding sand. 1,804,629; May 12.
McCabe, Frank E., assignor to The Grabler Manufacturing Company, Cleveland, Ohio. Igniting gas expelled from foundry molds. 1,822,229; Sept. 8.
McCabe, Horace B., assignor to Eva McCabe, Madison, Wis. Machine for measuring unbalance in a rotative body. 1,800,553; Apr. 14.
McCabe, Ira E. (See Armstrong, R. W., and McCabe.)
McCabe, Ira E., Chicago, Ill. Pressure actuated switch operating device. 1,817,634; Aug. 4.
McCabe, Ira E., Chicago, Ill. Control for electrically operated liquid fuel burning devices. 1,817,635; Aug. 4.
McCabe, Ira E., Chicago, Ill. General utility switch mechanism. 1,824,612; Sept. 22.
McCabe, Ira E., Chicago, Ill. Liquid fuel burner control. 1,834,287; Dec. 1.
McCabe, Ira E., Chicago, Ill. Electric switch mechanism. 1,834,288; Dec. 1.
McCabe, Ira E., Chicago, Ill. Incandescent ignition device. 1,834,289; Dec. 1.
McCabe, Joseph J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens surfacing machine. 1,824,559; Sept. 22.
McCabe, Joseph J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Measuring instrument. 1,827,093; Oct. 13.
McCafferty, James E. (See Kane, G. A., and McCafferty.)
McCafferty, Robert H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley frog. 1,814,004; July 14.
McCahey, George F., assignor of one-half to W. C. Johnson, Providence, R. I. Core covering machine. 1,805,494; May 19.
McCaig, William J., assignor to The Republic Metalware Company, Buffalo, N. Y. Ventilating fan. 1,793,814; Feb. 24.
McCain, Benjamin F. and H. C., Paducah, Ky. Agricultural machine. 1,797,476; Mar. 24.
McCain, Benjamin Z., Oak Park, Ill., assignor to McCain Bros. Mfg. Co. Sheet feeder. 1,789,826; Jan. 20.
McCain, Benjamin Z., Oak Park, and H. L. Thompson, Elgin, Ill., assignors to Addressograph Company, Wilmington, Del. Printing device. 1,812,889; July 7.
McCain Bros. Mfg. Co. (See McCain, Benjamin Z., assignor.)
McCain, Cecil C. (See Hubbard, H. E., and McCain.)
McCain, Henry C. (See McCain, Benjamin F. and H. C.)
McCain, Wes W., Oak Park, Ill., assignor, by mesne assignments, to Cherry-Burrell Corporation, Wilmington, Del. Cartoning machine. 1,803,633; May 5.
McCaleb, Albert G. (See Allen, Hugh E., assignor.)
McCaleb, Albert G., Evanston, assignor to Pines Winterfront Company, Chicago, Ill. Thermostatic control. 1,837,564; Dec. 22.
McCall, Alexander, Brooklyn, N. Y. Joint or coupling for air ducts. 1,796,528; Mar. 17.
McCall Company, The. (See Rohr, Mayer, assignor.)
McCall, Furman H., Anderson, assignor of one-half to C. C. McCall, Greenville, S. C. Fishing line. 1,805,410; May 12.
McCall, John J., Philadelphia, Pa., assignor of one-half to D. N. Safran. Self sealing tube and making the same. 1,831,967; Nov. 17.
McCall, William W., Kansas City, Mo. Spinning top. 1,830,367; Nov. 3.
McCallen, Perry S. (See Jones, G. E., jr., and McCallen.)
McCallen, Winslow, Windsor, Wis. Steel and iron post anchor. 1,831,678; Nov. 10.
McCalley, Roderick M., Portland, Oreg. Leakproof cover for bell and spigot pipe-joints. 1,834,102; Dec. 1.
McCallum, John W., and A. S. Muscovitch, Winnipeg, Manitoba, Canada. Snow plow. 1,817,998; Aug. 11.
McCalmon, Charles, Manitowoc, Wis. Window screen construction. 1,807,425; May 26.
McCandless, Albert A., assignor to C. M. Gerhold, New York, N. Y. Spiral-drain smoke washer. 1,800,395; Apr. 14.
McCandless, Harry E., Rochester, N. Y. Infant's combination bathtub and dressing table. 1,812,971; July 7.
McCandless, Harry E., Rochester, N. Y. Combination crib, bathtub and dressing table. 1,827,687; Oct. 13.
McCandless, Harry E., assignor to Kennedy-McCandless Corporation, Rochester, N. Y. Tray for nursery chairs. 1,804,057; May 5.
McCandless, Lyon., and J. D. Sartakoff, Rochester, Pa., assignors, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Liquid dispensing apparatus. 1,815,926; July 28.
McCandlish, Edward, Northville, Mich., assignor to S. S. Kresge Company, Detroit, Mich. Doll. Des. 85,884; Dec. 29.
McCandliss, Edgar S., Topeka, Kans. Awning support. 1,828,332; Oct. 20.
McCann, Charles S., assignor of one-half to G. B. McCann, Montgomery County, near Dayton, Ohio. Radial internal combustion engine. 1,827,094; Oct. 13.
McCann, George M., New Castle, Del. Firing mechanism. 1,795,563; Mar. 10.
McCann, George M., New Castle, Del. Breech block operating mechanism. 1,802,727; Apr. 28.
McCann, George M., New Castle, Del. Gun. 1,808,052; June 2.
McCann, George S. (See McCann, Charles S., assignor.)
McCann, John H. (See Chandler, E. A., and McCann.)
McCann, John H., Chicago, Ill. Protective cover for plumbing fixtures. 1,793,815; Feb. 24.
McCann, John H., Chicago, Ill. Protective cover for plumbing fixtures. 1,826,010; Oct. 6.
McCann, Michael, Woodhaven, assignor to Gotham Knitbac Machine Corporation, New York, N. Y. Apparatus for repairing runs in fabrics. 1,837,463; Dec. 22.
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,802,611; Apr. 28.
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,808,243; June 2.
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,822,498; Sept. 8.
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuits. 1,825,236; Sept. 29.
McCann, Ronald A., and C. A. Brooks, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 1,793,184; Feb. 17.
McCann, Thomas A. (See Watson, E. F., and McCann.)
McCann, Thomas A., Orange, N. J., assignor to American Telephone and Telegraph Company. Radio telephone and telegraph system. 1,823,948; Sept. 22.
McCann, Thomas J., Warren, R. I. Belt. 1,828,196; Oct. 20.
McCann, William, New York, N. Y. Check protecting device. 1,825,153; Sept. 29.
McCann, William J., Lakewood, Ohio. Pneumatic toy gun. 1,818,264; Aug. 11.
McCargar, Joseph R., Grand Rapids, Mich. Desk. Des. 84,485; June 23.
McCargar, Joseph R., Grand Rapids, Mich. Desk. Des. 84,532; June 30.
McCarl, Carl C. (See McCall, Furman H., assignor.)
McCarley, Clark V., Toledo, Ohio. Caliper. 1,790,277; Jan. 27.
McCarley, Wiliam, D., assignor of one-half to C. F. Glass, Loraine, Tex. Well casing jack. 1,817,261; Aug. 4.

McCarney, Geo. B. (See Warwick, Harold L., assignor.)
McCarrier, William V., West Sunbury, Pa. Golf tee. 1,839,040; Dec. 29.
McCarroll, Charles, Kingsport, Tenn. Aeroplane control. 1,816,688; July 28.
McCarroll, Walker W., New Haven, Conn. Implement heater for electrotype builders. 1,791,421; Feb. 3.
McCarter, Roley C., Rising Star, Tex. Paraffin gopher. 1,807,123; May 26.
McCarthy, Charles J., et al. (See Ryan, Thomas H., and Boyens, assignors.)
McCarthy, Charles M., Minneapolis, Minn. Table with dustless structure. 1,809,418; June 9.
McCarthy, Daniel C., Chicago, Ill. Dough-forming machine. 1,790,589; Jan. 27.
McCarthy, Edward F., assignor to Chicago Pump Company, Chicago, Ill. Fluid displacement pump. 1,823,459; Sept. 15.
McCarthy, George L., Rye, N. Y. Photographing apparatus. 1,806,763; May 26.
McCarthy, George L., Rye, and A. Novick, Flushing, N. Y.; said Novick assignor to said McCarthy. Photographing apparatus. 1,806,762; May 26.
McCarthy, Henry J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Attaching handles to trays and the like. 1,808,503; June 2.
McCarthy, J. Clarence. (See Humphreys, C. F., and McCarthy.
McCarthy, J. Clarence, assignor to Armstrong Cork Company, Lancaster, Pa. Printing block and making the same. 1,814,758; July 14.
McCarthy, John, Hollywood, Calif. Oven. Des. 84,156; May 12.
McCarthy, John E., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Stretching machine. 1,822,104; Sept. 8.
McCarthy, John H., Chicago, Ill. Gear shifting mechanism. 1,835,167; Dec. 8.
McCarthy, John J., Malden, Mass. Combined dome light and speech transmission device. Des. 84,789; Aug. 4.
McCarthy, John J., Malden, Mass. Internal combustion engine. 1,823,500; Sept. 15.
McCarthy, John S. (See Day, William B., assignor.)
McCarthy, John S. (See Price, Osborne I., assignor.)
McCarthy, Lawrence J., Ogdensburg, N. Y. Aircraft. 1,818,809; Aug. 11.
McCarthy, Richard B., Swampscott, assignor to Attlast Company, Inc., Boston, Mass. Last. 1,795,661; Mar. 10.
McCarthy, Richard B., Swampscott, assignor to Attlast Company, Inc., Boston, Mass. Lasting shoes. 1,819,911; Aug. 18.
McCarthy, Richard J., jr., Bethlehem, Pa., assignor to Bethlehem Steel Company. Gearing. 1,807,000; May 26.
McCarthy, William J., Chicago, Ill. Waste trap. 1,808,471; June 2.
McCartney, Charles E., and R. Miller, Los Angeles, Calif.; said McCartney assignor to said Miller. Apparatus for generating heat. 1,822,356; Sept. 8.
McCartney, Robert F., Wellington, New Zealand. Electrical immersion heater. 1,804,885; May 12.
McCartney, Will C., Cambridge, Ohio. Goblet or similar article. Des. 85,618; Nov. 24.
McCarty, Calvin W. (See McCarty, Robert W. and C. W.)
McCarty, Charles B. (See London, J. S., and McCarty.)
McCarty, Mabel, Peru, Ind. Bag closure. 1,787,914; Jan. 6.
McCarty, Madison P., assignor of fifty-one per cent to W. Clark, B. L. Laird, G. B. Moody, L. W. Orynski, and E. R. Wall, Dallas, Tex. Electromagnetic oscillator. 1,813,630; July 7.
McCarty, Robert W. and C. W., Los Angeles, Calif. Cleaning ollas. 1,789,657; Jan. 20.
McCarty, Worth G. (See Donkin, W. L., and McCarty.)
McCarville, Mary C., Arcadia, Calif. Cover and polisher device for brooms. 1,836,677; Dec. 15.
McCash, Perry V., Seattle, Wash. Automatic electric-current-controlling means. 1,794,721; Mar. 3.
McCaskell, Jasper A., Salt Lake City, Utah. Continuous filter. 1,835,796; Dec. 8.
McCaskey, George G., Brooklyn, N. Y. Receptacle and holder. 1,794,700; Mar. 3.
McCaskey, Perry A., Lakewood, Ohio. Package. 1,833,999; Dec. 1.
McCaskey Register Company, The. (See Dunning, William E., assignor.)
McCaskey Register Company, The, (See Dunning, W. E., and Middleton, assignors.)
McCaughey, Frank E., Los Angeles, Calif. Pump piston. 1,797,781; Mar. 24.
McCauley, Charles F., and F. A. Weaver, Detroit, Mich. Packing table. 1,794,701; Mar. 3.
McCauley, Ernest G., Dayton, Ohio. Fluid pressure brake control. 1,812,269; June 30.
McCauley, Ernest G., Dayton, Ohio, assignor to The Hamilton Standard Propeller Corporation. Propeller for air craft. 1,790,163; Jan. 27.
McCauley, Ernest G., Dayton, Ohio, assignor to Standard Steel Propeller Corporation. Propeller-control mechanism. 1,799,828; Apr. 7.
McCauley, Etta H., New York, N. Y. Clothes-washing implement. 1,794,974; Mar. 3.
McCauley, George T., Butte, Mont. Automobile spring. 1,807,541; May 26.
McCauley, Herbert J., Buffalo, N. Y. Electric furnace and electric resistance element therefor. 1,794,310; Feb. 24.
McCausland, Maurice B., Toronto, Ontario, Canada. Advertising display stand. 1,835,714; Dec. 8.
McCaw, Frederick, Belfast, Northern Ireland. Fiber-preparing treatment of bast or vegetable fiber plants. 1,807,221; May 26.
McChesney, David, Kirkland Lake, Ontario, Canada. Exterior corner connection for wallboards. 1,804,564; May 12.
McChesney, David, Kirkland Lake, Ontario, Canada. Interior wall board connection. 1,804,630; May 12.
McChesney, Donald S., and J. Cooper, assignors to Hall & McChesney, Inc., Syracuse, N. Y. Making books. 1,799,617; Apr. 7.
McChesney, John S., Chicago, Ill. Joint nail. 1,793,185; Feb. 17.
McChesney, John S., Chicago, Ill. Vise. 1,799,474; Apr. 7.
McChesney, John S., Chicago, Ill., assignor, by mesne assignments, to The Gerrard Company, Inc., San Francisco, Calif. Wire tying appliance. Re18,219; Oct. 6.
McChesney, John S., Chicago, Ill., assignor, by mesne assignments to The Gerrard Company, Inc., San Francisco, Calif. Package wiring machine. 1,821,389; Sept. 1.
McClaim, Thomas H., Cliffside Park, N. J., assignor to R. G. MacPherson, Framingham, Mass. Sound-reproducing device. 1,800,868; Apr. 14.
McClary, G. H. (See Wages, Lawrence L., assignor.)
McClatchey, Thomas G. (See Pittman, Clovis C., assignor.)
McClatchie, John M., assignor to The Borden Company, New York, N. Y. Apparatus for testing the density of liquids in vacuum pans and the like. 1,801,168; Apr. 14.
McClatchie, John M., assignor to The Borden Company, New York, N. Y. Manufacture of evaporated milk. 1,821,943; Sept. 8.
McClatchie, John M., assignor to The Borden Company, New York, N. Y. Sealing cans. 1,833,030; Nov. 24.
McClatchie, John M., assignor to The Borden Company, New York, N. Y. Can and sealing same. 1,837,366; Dec. 22.
McClatchie, Stanley, Berlin-Wilmersdorf, Germany. Electromagnetic pick up. 1,830,800; Nov. 10.
McClatchie, Stanley, Berlin-Wilmersdorf, Germany. Magnetic pick up device. 1,830,801; Nov. 10.
McClatchie, Stanley, Berlin-Wilmersdorf, Germany. Electric pickup device. 1,835,072; Dec. 8.
McClatchie, Stanley, Berlin-Wilmersdorf, Germany. Phonograph pickup device. 1,835,073; Dec. 8.
McClay, Roy C., Los Angeles, Calif., assignor of one-half to C. Eastwood. Reamer. 1,797,582; Mar. 24.
McClay, Samuel R., Canton, Ohio. Spring equalizer. 1,822,499; Sept. 8.
McClean, John G., Chicago, Ill., assignor to The Grant Manufacturing and Machine Company, Bridgeport, Conn. Riveting machine. 1,813,415; July 7.
McCleary, Clarence F., Prescott, Ariz. Musical instrument. 1,795,259; Mar. 3.
McCleary Hydraulic Brake Company. (See Kauffman, Paul R., assignor.)
McCleary Hydraulic Brake Company. (See Price, William G., assignor.)
McCleary, William E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for axminster looms. 1,826,320; Oct. 6.
McClellan, Joseph G., St. Louis, Mo. Binding post. 1,803,718; May 5.
McClellan, Leslie N., P. A. Kinzie, J. L. Savage, and C. M. Day, assignors to Universal Hydraulic Corporation, Denver, Colo. Pressure-relief valve. 1,795,662; Mar. 10.
McClellan, Stanley, Highland Park, Mich. Whirligig. 1,791,678; Feb. 10.
McClellan, William D., Laurel, Miss. Car rerailer. 1,789,634; Jan. 20.
McClellan, William D., Richmond, Va. Mooring cleat for boats and the like. 1,811,400; June 23.
McClintic-Marshall Company. (See Kimball, R. E., and Lewis, assignors.)
McClintic-Marshall Company. (See Overholtz, George D., assignor.)
McClintic-Marshall Corporation. (See Millard, Emmor H., assignor.)
McClintock, Earl F., et al. (See Loerke, Walter J. assignor.)
McClintock, Edward, Minneapolis, Minn. Lamp. 1,820,027; Aug. 25.
McClintock, James W., assignor to E-Z Reach Paper Cutter Corporation, Ltd., Los Angeles, Calif. Roll-paper cutter. 1,797,432; Mar. 24.
McClintock, John D., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Injector. 1,830,476; Nov. 3.
McClintock, O. B., Company. (See Blair, R. B., and Roach, assignors.)
McClintock, O. B., Company. (See McClintock, Oliver B., assignor.)
McClintock, O. B., Company. (See McClintock, O. B., Popp, and Hanson, assignors.)
McClintock, Oliver B., assignor to O. B. McClintock Co., Minneapolis, Minn. Head for a vault ventilator. Des. 83,232; Feb. 3.

McClintock, Oliver B., assignor to O. B. McClintock Co., Minneapolis, Minn. Head for a vault ventilator. Des. 83,233; Feb. 3.
McClintock, Oliver B., assignor to O. B. McClintock Co., Minneapolis, Minn. Head for a vault ventilator. Des. 83,234; Feb. 3.
McClintock, Oliver B., assignor to O. B. McClintock Co., Minneapolis, Minn. Revolving hold-up deterrent. Des. 83,985; Apr. 21.
McClintock, Oliver B., assignor to O. B. McClintock Company, Minneapolis, Minn. Protector for vault ventilators. 1,814,839; July 14.
McClintock, Oliver B., S. R. Popp, and E. C. Hanson, assignors to O. B. McClintock Company, Minneapolis, Minn. Vault ventilator. 1,810,184; June 16.
McClintock, William, assignor to Pacific Clay Products, Los Angeles, Calif. Brick and making the same. 1,825,969; Oct. 6.
McClintock, William, and F. Y. Pearne, assignors to Pacific Clay Products, Los Angeles, Calif. Extrusion machine. 1,808,964; June 9.
McClintock, William S., jr., assignor to The Ekko Company, Chicago, Ill. Electric sound reproducer. 1,836,266; Dec. 15.
McClinton Theophilus H., Fort Smith, Ark. Well bucket bottom. 1,821,441; Sept. 1.
McCloskey, Alfred C., Philadelphia, Pa. Safety box for matches. 1,792,110; Feb. 10.
McCloskey, Arthur J., Philadelphia, Pa. Attachment for combs. 1,795,957; Mar. 10.
McCloskey, Arthur J., Maracaibo, Venezuela. Reamer for drill bits. 1,803,267; Apr. 28.
McCloud, Clifford C., Mayville, Wis. Electric humidifier. 1,811,727; June 23.
McCloud, Edward H., Columbus, assignor to The Central Brass & Fixture Company, Springfield, Ohio. Automobile tire carrier. 1,800,309; Apr. 14.
McCloud, Leonard C. (See Cooley, J. L., and McCloud.)
McCluney, Chester L. (See McCluney, David D., C. L., and H. C.)
McCluney, David D., C. L., and H. C., Los Angeles, Calif. Ventilator. Des. 83,411; Feb. 17
McCluney, Herbert C. (See McCluney, David S., C. L., and H. C.)
McClure, Earl N., Chicago, Ill. Golf ball container. 1,810,491; June 16.
McClure, Elmer P., Western Spring, Ill., assignor to Aluminum Products Company. Casting blooms of aluminum. 1,792,545; Feb. 17.
McClure, Foster M., San Diego, Calif. Material loading apparatus. 1,822,598; Sept. 8.
McClure, Harry W., Ann Arbor, Mich. Operating internal combustion engines. 1,829,050; Oct. 27.
McClurg, John G., Oak Park, Ill. Tie plate. 1,802,121; Apr. 21.
McClurg, William J., Pittsburgh, Pa. Carburetted-water-gas apparatus. 1,788,400; Jan. 13.
McClurkin, John C., Lakin, Kans. Ditcher. 1,794,787; Mar. 3.
McClurkin, John C., Lakin, Kans. Weed-cutting attachment for ditchers. 1,794,788; Mar. 3.
McClurkin, John C., and A. Stallard, Larkin, Kans. Geared rod. 1,827,248; Oct. 13.
McColl, Peter, and E. J. McCormick, St. James, Manitoba, Canada. Automatic coin register. 1,795,342; Mar. 10.
McCollam, Clarence E., Maringouin, La. Signaling device. 1,802,922; Apr. 28.
McCollough, James H. (See Johnson, Alfred C., assignor.)
McCollough, William A., Webster City, Iowa. Poultry feeder. 1,822,302; Sept. 8.
McCollum, Alfred F., assignor to The Magee Carpet Co., Bloomsburg, Pa. Printing machine. 1,789,244; Jan. 13.
McCollum, Alfred F., assignor to The Magee Carpet Co., Bloomsburg, Pa. Mechanism for attaching fringe to the edges of carpet. 1,798,025; Mar. 24.
McCollum, Alfred F., assignor to The Magee Carpet Co., Bloomsburg, Pa. Method of and apparatus for printing pile fabrics. 1,799,111; Mar. 31.
McColm, William H., Denver, Colo. Adjustable package sealing apparatus. 1,835,797; Dec. 8.
McComb, James B., Scarsdale, N. Y. Rug cleaning composition. 1,837,976; Dec. 22.
McCombs, Edward S. (See McCullough, J. B., and McCombs.)
McConkey, Montgomery W., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake operating mechanism. 1,820,472; Aug. 25.
McConkey, Montgomery W., assignor to General Motors Corporation, Detroit, Mich. Booster brake. 1,837,464; Dec. 22.
McConkey, Montgomery W., Ferndale, Mich., assignor to General Motors Corporation, Detroit, Mich. Booster brake. 1,837,465; Dec. 22.
McConnaughay, Kenneth E., Indianapolis, Ind. Paving machine and process. 1,802,087; Apr. 21.
McConnel, Charles W., et al. (See Colby, Harold L., assignor.)
McConnel, Frederic W., Martley, England. Internal combustion engine. 1,815,572; July 21.
McConnell, Cora H., New York, N. Y. Mop cleaning receptacle. 1,803,339; May 5.
McConnell, John R. (See Black, J. C., Rial, and McConnell.)
McConnell, Samuel. (See Wilson, J. E., McConnell, and Brown.)
McConnell, Samuel, et al. (See Wilson, J. E., McConnell, and Brown.)
McConnell, Virgil M., Jamestown, N. Y. Wall fixture. 1,792,853; Feb. 17.
McConnell, Virgil M., Jamestown, N. Y. Awning. 1,808,564; June 2.
McConnell, Wythe, El Paso, Colo. Shocking attachment for grain binders. 1,806,407; May 19.
McConoughey, Merle S., East Orange, N. J., assignor to Congoleum-Nairn, Inc. Linoleum product and making same. 1,826,217; Oct. 6.
McConway & Tarley Company, The. (See Regan, William J., assignor.)
McConway & Torley Company, The. (See George, Enoch, jr., assignor.)
McConway & Torley Company, The. (See Kelso, William, assignor.)
McCook, Edward L., San Gabriel, Calif. Laundry list. 1,790,994; Feb. 3.
McCord, John I., assignor of one-fourth to R. B. Lyon, Paso Robles, Calif. Reversible self-sharpening chisel. 1,807,998; June 2.
McCord Radiator & Mfg. Co. (See Bailey, Claude B., assignor.)
McCord Radiator & Mfg. Co. (See Barlow, Lester P., assignor.)
McCord Radiator & Mfg. Co. (See Hyde, Rollin M., assignor.)
McCord, William D. (See McWeeny, J. L., and McCord.)
McCorkindale, William P., South Hadley Falls, Mass. Combined cigarette holder and lighter. Des. 83,333; Feb. 17.
McCormack, Alfred D., Mankato, Minn. Auto window screen. 1,814,322; July 14.
McCormack, Harry, assignor to North Shore Coke & Chemical Company, Chicago, Ill. Treatment of waste liquors from gas purification. 1,831,968; Nov. 17.
McCormick, Bradley, assignor to Wagner Electric Corporation, St. Louis, Mo. Manufacturing squirrel-cage windings. 1,800,869; Apr. 14.
McCormick Brothers Company. (See Brubaker, Ora H., assignor.)
McCormick Brothers Company. (See McCormick, Ora N., assignor.)
McCormick, Charles P., Chicago, Ill. Tire boot. 1,828,333; Oct. 20.
McCormick, Edward J. (See McColl, P., and McCormick.)
McCormick, Fowler, Chicago, Ill. Factory apparatus for growing plants. 1,793,626; Feb. 24.
McCormick, Francis H., Glen Ellyn, assignor to Edison Electric Appliance Company, Chicago, Ill. Electric heater. 1,801,099; Apr. 14.
McCormick, Francis H., Glen Ellyn, assignor to Edison Electric Appliance Company, Chicago, Ill. Counterbalance for doors. 1,809,715; June 9.
McCormick, George C., Needham, assignor to General Alloys Company, Boston, Mass. Furnace hearth. 1,821,658; Sept. 1.
McCormick, J. S., Company. (See Bumbaugh, George C., assignor.)
McCormick, John H., C. G. Allen, and F. M. Bender, assignors to Vendicator, Inc., Williamsport, Pa. Vending machine. 1,820,671; Aug. 25.
McCormick, Lewis M., Palo Alto, Calif. Dispenser. 1,806,981; May 26.
McCormick, Norman E., F. J. Dearinger, and E. D. Stewart, Kansas City, Mo.; said Dearinger and said Stewart assignors to said McCormick. Magazine gun. 1,833,431; Nov. 24.
McCormick, Ora N., assignor to McCormick Brothers Company, Albany, Ind. Sifter for flour, etc. 1,808,426; June 2.
McCormick, Peter J., Hagerstown, Md. Washing machine. 1,814,724; July 14.
McCormick, Robert J., et al. (See Bongiovanni, A., and Papotto, assignors.)
McCormick, Thomas J., Detroit, Mich. Tire cover. 1,827,095; Oct. 15.
McCormick, Thomas J., Detroit, Mich. Tire cover. 1,829,011; Oct. 27.
McCormick, Thomas J., and R. E. Linn, Detroit, Mich., said Linn assignor to said McCormick. Combination fender and tire well. Des. 83,235; Feb. 3.
McCormick, Thomas J., and R. E. Linn, Detroit, Mich.; said Linn assignor to said McCormick. Tire cover. Des. 85,295; Oct. 6.
McCornack, Herbert, Glen Ridge, N. J. Pulsator. 1,829,907; Nov. 3.
McCosh, James L., Tulare, Calif. Material support. 1,791,735; Feb. 10.
McCosh, James L., Tulare, Calif. Cabinet. 1,791,736; Feb. 10.
McCourt, John T., Los Angeles, Calif. Smelting furnace. 1,789,531; Jan. 20.
McCoy, Charles W., Syracuse, N. Y. Picture frame. Des. 85,386; Oct. 20.
McCoy, Clarence E., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for serving material upon cores. 1,795,876; Mar. 10.
McCoy, Earl, Deer Lodge, Mont. Firearm. 1,835,715; Dec. 8.

McCoy, Harry E., assignor to Specialties Manufacturing Company, Pittsburgh, Pa. Exercising device. 1,826,254; Oct. 6.
McCoy, Harry E., Pittsburgh, assignor to McDowell Manufacturing Company, Millvale, Pa. Mechanical exercising device. 1,838,183; Dec. 29.
McCoy, Harry J., et al. (See Stanbrough, Roy C., assignor.)
McCoy, James L. (See Wensley, R. J., and McCoy.)
McCoy, James L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,802,728; Apr. 28.
McCoy, James N., Vincennes, Ind., assignor of one-half to Harry R. Champ, Indianapolis, Ind. Stimulating vegetation. 1,835,888; Dec. 8.
McCoy, Jay W., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electric conduit coupling. 1,827,249; Oct. 13.
McCoy, Kenneth A., assignor of one-half to E. T. Brown, Fullerton, Calif. Safety swinging finger board for well drilling derricks. 1,810,720; June 16.
McCoy, Milton B., Pueblo, Colo. Mop wringing device. 1,824,286; Sept. 22.
McCoy, Philip W. (See Cowan, R. J., and McCoy.)
McCoy, Rush O., Berwyn, Ill., assignor to International Patents Development Company, Wilmington, Del. Manufacture of starch. 1,832,229; Nov. 17.
McCoy, Rush O., Berwyn, and O. A. Sjostron, Chicago, Ill., assignors to International Patents Development Company, Wilmington, Del. Manufacturing starch. 1,828,334; Oct. 20.
McCoy, Walter E., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Corporation. Circuit interrupter. 1,799,985; Apr. 7.
McCoy, William C. (See Russon, Harry R., assignor.)
McCoy, William C., Shaker Heights, assignor to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,802,180; Apr. 21.
McCoy, William C., Shaker Heights, assignor to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,825,750; Oct. 6.
McCoy, William C., Shaker Heights, assignor to The Cleveland Trust Company, Cleveland, Ohio. Forming pistons. 1,830,519; Nov. 3.
McCrackan, Robert F., Richmond, Va. Sanitary attachment for pipettes. 1,791,829; Feb. 10.
McCracken, James N., Los Angeles, Calif., assignor to Blacksand Mining and Manufacturing Company, Ltd. Collecting magnetic materials and separating them from other materials. 1,804,998; May 12.
McCracken, John, Davenport, Iowa. Electric motor. 1,814,945; July 14.
McCrady Brothers Company. (See Reed, Arthur G., assignor.)
McCray, Harold E., assignor to John Deere Tractor Company, Waterloo, Iowa. Internal combustion engine. 1,803,120; Apr. 28.
McCrea, George E., San Francisco, Calif. Retractable landing gear for flying machines. 1,812,211; June 30.
McCrea, Hugh A., Schenectady, N. Y., assignor to General Electric Company. Starting arrangement for dynamo-electric machines. 1,796,210; Mar. 10.
McCrea, John E., assignor to Dealers Motor Transport Inc., Detroit, Mich. System of automobile loading and transportation. 1,818,342; Aug. 11.
McCrea, Mary, Newburg Heights, Ohio. Nursing bottle and nipple. 1,797,433; Mar. 24.
McCreary, Harry W., assignor to Animal Trap Company of America, Lititz, Pa. Animal trap. 1,832,644; Nov. 17.
McCreary, Miller A., assignor to The Hegeler Zinc Company, Danville, Ill. Rolling mill installation. 1,828,426; Oct. 20.
McCree, Eben, Arlington, N. J. Pen or pencil case. 1,789,387; Jan. 20.
McCree, Eben, Arlington, N. J. Barrel for fountain pens and method of making. 1,795,569; Mar. 10.
McCreery, Robert W., New York, N. Y. Collar and making the same. 1,829,939; Nov. 3.
McCrerry, George E. (See Schuck, Eugene, assignor.)
McCrery, Harold E., assignor to Apollo Holding Corporation, Apollo, Pa. Sheet bar unstacking device. 1,817,387; Aug. 4.
McCrery, Harold E., Apollo, assignor, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Method and apparatus for cleaning sheet metal. 1,829,599; Oct. 27.
McCrery, Harold E., and A. E. Jesser, Apolle, assignors to Copperweld Steel Company, Pittsburgh, Pa. Molding method and apparatus therefor. 1,802,823; Apr. 28.
McCrosky Tool Corporation. (See Miller, F. P., and Skeel, assignors.)
McCrosson, John T., Port au Prince, Haiti, assignor to Fresh-Keeping Package Corporation. Package for cigars, cigarettes, and smoking tobacco. 1,821,472; Sept. 1.
McCrystal, Robert C. (See Field, H. D., and McCrystal.)
McCue, Charles T., assignor to Universal Button Fastening & Button Company, Detroit, Mich. Attachment of fasteners. 1,815,792; July 21.
McCue, Charles T., assignor to Universal Button Fastening & Button Company, Detroit, Mich. Attaching machine. 1,815,862; July 21.
McCue, Chrystal C., Goodells, Mich. Binding post. 1,790,551; Jan. 27.
McCuen, Charles L., Lansing, assignor to General Motors Corporation, Detroit, Mich. Oil-filter head. 1,788,884; Jan. 13.
McCuen, Charles L., Lansing, assignor to General Motors Corporation, Detroit, Mich. Water circulating system. 1,822,857; Sept. 8.
McCuen, Charles L., Lansing, assignor to General Motors Corporation, Detroit, Mich. Metering means for oil filters. 1,837,665; Dec. 22.
McCulloch, Leon, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacture Company. Composition of matter. 1,821,390; Sept. 1.
McCulloch, Noble, Oakland, Calif. Suspenders. 1,823,369; Sept. 15.
McCulloch, William A., Cooperstown, N. Dak. Gate latch. 1,787,869; Jan. 6.
McCullough, Campbell R. (See Jenkins, R. L., Karrh, and McCullough.)
McCullough, Campbell R., and R. L. Jenkins, Anniston, assignors, by mesne assignments, to Swann Research, Inc., Birmingham, Ala. Transformer oil. 1,836,180; Dec. 15.
McCullough, Ervin W., Indianapolis, Ind. Garbage reducer. 1,812,106; June 30.
McCullough, Ervin W., Indianapolis, Ind. Garbage tankage extraction. 1,812,107; June 30.
McCullough, Ervin W., Indianapolis, Ind. Separator. 1,812,108; June 30.
McCullough, Ervin W., Indianapolis, Ind. Rendering tank door. 1,813,671; July 7.
McCullough, Frederick S., Wilkinsburg, Pa. Thermionic tube. 1,791,140; Feb. 3.
McCullough, Frederick S., Edgewood, Pa. Hot cathode device. 1,806,108; May 19.
McCullough, Frederick S., Edgewood, Pa. Amplification of electrical currents. 1,806,109; May 19.
McCullough, Frederick S., Edgewood, Pa. Cathode structure. 1,814,759; July 14.
McCullough, Frederick S., Wilkinsburg, Pa. Radio circuits employing alternating current radio tubes. 1,819,783; Aug. 18.
McCullough, Frederick S., Wilkinsburg, Pa. Electron emitting cathode and forming same. 1,826,011; Oct. 6.
McCullough, Frederick S., Edgewood, Pa. Electrical discharge device. 1,830,802; Nov. 10.
McCullough, Frederick S., Edgewood, assignor to Stupakoff Laboratories, Inc., Pittsburgh, Pa. Electrode structure. 1,820,396; Aug. 25.
McCullough, Frederick S., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vacuum tube construction. 1,822,162; Sept. 8.
McCullough, Ira J., Huntington Park, Calif. Jarring tool. 1,798,480; Mar. 31.
McCullough, John F. K., and B. W. Gilchrist, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Chromium plating. 1,797,357; Mar. 24.
McCullough, John F. K., and B. W. Gilchrist, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Chromium plating. 1,838,777; Dec. 29.
McCullough, John W. (See Skeen, W. O., McCullough, and Thomas.)
McCullough, Joseph B., and E. S. McCombs. Baster Springs, Kans. Fluid saving device. 1,807,222; May 26.
McCullough, Paul J., assignor to Scullin Steel Co., St. Louis, Mo. Brake beam safety device. 1,806,635; May 26.
McCullough, William E., assignor to Simmons Company, Kenosha, Wis. Hydraulic press. 1,808,244; June 2.
McCune, Edward J., Arvada, Colo. Brake lining means. 1,831,312; Nov. 10.
McCune, George W., assignor of one-half to J. A. Cornell, Bridgeport, Conn. Self centering reamer head. 1,838,564; Dec. 29.
McCune, John F., Cleveland, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Paper shell for explosives. 1,831,537; Nov. 10.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car-control equipment. 1,793,627; Feb. 24.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Auxiliary-reservoir release valve. 1,793,628; Feb. 24.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor control device. 1,805,629; May 19.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Dynamic and fluid pressure brake control. 1,805,630; May 19.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake device. 1,805,631; May 19.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake valve device. 1,807,319; May 26.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Reservoir release valve. 1,816,088; July 28.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,816,089; July 28.
McCune, Joseph C., Edgewood, assignor to the Westinghouse Air Brake Company, Wilmerding, Pa. Signal valve device. 1,820,147; Aug. 25.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Straight air emergency valve device. 1,824,053; Sept. 22.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake and door interlock. 1,824,054; Sept. 22.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car control equipment. 1,837,466; Dec. 22.
McCune, Joseph W. (See McFarland, Jesse R., assignor.)
McCurdy, Alexander C., Towson, Md. Starter attachment for automobiles. 1,812,352; June 30.
McCurdy, Arville E., Clarendon, Va. Bezel. 1,839,041; Dec. 29.
McCurdy, Hugh W., Chicago, Ill. Window awning. 1,795,031; Mar. 3.
McCurdy, Hugh W., Chicago, Ill. Window awning. 1,812,638; June 30.
McCurdy, Ralph G., Englewood, N. J., assignor to American Telephone and Telegraph Company. Cable testing system. 1,824,829; Sept. 29.
McCurdy, Sanford M., Ada, Ohio. Adjustable road guard. 1,798,548; Mar. 31.
McCurdy, William A., Duluth, Minn. Ferrule for blasting cartridges. 1,827,032; Oct. 13.
McCurrach, James C., Brooklyn, assignor to McCurrach Organization, New York, N. Y. Necktie. 1,809,594; June 9.
McCurrach Organization. (See McCurrach, James C., assignor.)
McCushker, John E., Ogalalla, Nebr. Draft equalizer. 1,813,752; July 7.
McCutchen, Brunson S., North Plainfield, and C. V. Sandell, East Orange, N. J. Radiocircuit. 1,819,298; Aug. 18.
McCutchen, Edward R., Galveston, Tex. Portable distribution block. 1,833,295; Nov. 24.
McCutchen, John E., assignor to Coleman Lamp and Stove Co., Wichita, Kans. Thermostatic cut off. 1,806,636; May 26.
McCutcheon, Albert B., Middletown, Conn. Spinet lamp support. Des. 84,533; June 30.
McCutcheon, Eva, Brooklyn, N. Y. Can cover remover. 1,818,732; Aug. 11.
McDade, James E., Chicago, Ill. Device for teaching division. 1,818,566; Aug. 11.
McDanel, Abram J., New Brighton, Pa. Gauge. 1,826,807; Oct. 13.
McDaniel, Alex S., Bradford, Pa. Hand truck. 1,825,196; Sept. 29.
McDaniel, James E., Columbia, S. C. Locomotive throttle and drifting valve mechanism. 1,793,371; Feb. 17.
McDaniel, Leroy H., West Haven, assignor, by mesne assignments, of one-half to J. I. Shrebnik, New Haven, Conn. Amusement device. 1,837,055; Dec. 15.
McDaniel, Levi B., Concrete, Wash. Pan rotary kiln. 1,807,069; May 26.
McDaniel, Willard C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass. 1,818,235; Aug. 11.
McDaniels, Bennett, and W. C. Brooks, Lovell, Me. Ice-cutting machine. 1,787,636; Jan. 6.
McDasiel, William R. (See Lillard, D. L., and McDaniel.)
McDavitt, Marcellus B., and P. C. Schwantes, jr., New York, N. Y., assignors to American Telephone and Telegraph Company. Telephone exchange system. 1,831,922; Nov. 17.
McDermet, John R., assignor to Elliott Company, Jeannette, Pa. Method and apparatus for desuperheating steam. 1,800,740; Apr. 14.
McDermet, John R., Jeanette, assignor to Elliott Company, Pittsburgh, Pa. Method and apparatus for treating liquids. 1,830,764; Nov. 10.
McDermott, Charles J., et al., executors. (See Scott, Robert W.)
McDermott, George R., Chicago, Ill. Controlling combustion in metallurgical and glass furnaces. 1,810,776; June 16.
McDermott, George R., assignor to The Chapman-Stein Company, Mount Vernon, Ohio. Combustion apparatus. 1,832,133; Nov. 17.
McDermott, Harold R., Waterloo, Iowa. Loading skip. 1,838,952; Dec. 29.
McDermott, John M. (See Amera, Carl J., assignor.)
McDermott, John W., San Francisco, Calif. Heel protector. 1,816,784; July 28.
McDermott, Stephen T., assignor to Universal Oil Products Company, Chicago, Ill. Metallic lining for high temperature vessels. 1,825,154; Sept. 29.
McDermott, Wilfred D. (See Callahan, J. J., and McDermott.)
McDevitt, Frank J., St. Louis, Mo. Reclaiming apparatus. 1,791,102; Feb. 3.
McDevitt, James B., Chicago, Ill. Automobile ventilator. 1,804,264; May 5.
McDevitt, John H., Culpeper, Va. Gate. 1,798,096; Mar. 24.
McDill, Rex D., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Treating fruit to preserve the same in transit to market. 1,836,267; Dec. 15.
McDonald, Alex K., et al. (See Crouch, Claude C., assignor.)
McDonald, Charles C., and C. L. Troutman, Elyria, Ohio. Asparagus trimming and canning machine. 1,808,676; June 2.
McDonald, Charles D., assignor to McDonald Machine Co., Chicago, Ill. Apparatus for forming scroll-edge metal blanks. 1,819,431; Aug. 18.
McDonald, Charles D., and B. A. Deisch, assignors to McDonald Machine Co., Chicago, Ill. Can end. 1,813,810; July 7.
McDonald, Charles D., and B. A. Deisch, Chicago, Ill., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Can end lining device. 1,838,318; Dec. 29.
McDonald, Clarence T., and H. R. Cook, assignors to Jefferson Electric Company, Chicago, Ill. Cartridge fuse. 1,804,886; May 12.
McDonald, Eugene G., assignor to Bendix Brake Company, South Bend, Ind. Brake-operating mechanism. 1,798,549; Mar. 31.
McDonald, Eugene G., assignor to Bendix Brake Company, South Bend, Ind. Trunnion. 1,799,598; Apr. 7.
McDonald, Eugene G., assignor to Bendix Brake Company, South Bend, Ind. Brake-operating means. 1,831,073; Nov. 10.
McDonald, Gordon R., Erie, Pa., assignor to General Electric Company. Regulating system. Re17,953; Feb. 3.
McDonald, Guy A. (See Woostock, W. H., and McDonald.)
McDonald, Harry, Dunkirk, Ind., assignor to Jewett and Sherman Company, Milwaukee, Wis. Bottle. Des. 85,340; Oct. 13.
McDonald, Harry R., assignor to Hart Glass Manufacturing Company, Dunkirk, Ind. Glass jar. Des. 84,948; Aug. 25.
McDonald, James, Weehawken, assignor to Todd Dry Dock, Engineering & Repair Corporation, Brooklyn, N. Y. Apparatus for liquid and pulverized fuel furnaces. 1,793,111; Feb. 17.
McDonald, John C., assignor of one-half to E. L. Corbett, New York, N. Y. Electric meter system. 1,818,929; Aug. 11.
McDonald, John U., Columbus, Ohio. Gas-producing apparatus. 1,798,617; Mar. 31.
McDonald, Lewis. (See Day, C. L., and McDonald.)
McDonald Machine Co. (See Deisch, Bert A., assignor.)
McDonald Machine Co. (See McDonald, Charles D., assignor.)
McDonald Machine Co. (See McDonald, C. D., and Deisch, assignors.)
McDonald, Mert C. (See Setzler, H. B., and McDonald.)
McDonald, William J. (See Clarke, B. F., and McDonald.)
McDonald, William J. (See Jamieson, A. C., Gardiner, and McDonald.)
McDonell, William E., and C. W. Stickel, Rochester, N. Y. Eyelash curler. Des. 83,872; Apr. 7.
McDonnell, Aloysius S., Chicago, Ill. Railway rail anchor or anticreeper. 1,817,455; Aug. 4.
McDonnell, Francis M., administrator. (See Trumble, Milon J.)
McDonnell, Francis S., Milton, assignor to H. A. Baker, Norwood, Mass., as trustee. Paper machine. 1,839,158; Dec. 29.
McDonough, Ambrose A. (See Gates, C. J., jr., Nathan, and McDonough.)
McDonough, Francis T., assignor to Gisholt Machine Company, Madison, Wis. Dynamic balancing machine and recording amplimeter therefor. 1,800,651; Apr. 14.
McDonough, Francis T., Madison, Wis., and A. F. Moyer, assignors, by mesne assignments, to Precision Balancing Machine Company, Minneapolis, Minn. Balancing machine. 1,812,353; June 30.
McDonough, Frank J., assignor to Glaser, Crandell Co., Chicago, Ill. Food product container. Des. 84,839; Aug. 11.
McDonough, James B., jr., New York, N. Y. Toy. 1,803,506; May 5.
McDonough, John, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Screw inserting and driving apparatus. 1,793,236; Feb. 17.
McDonough, John, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Riveting. 1,796,852; Mar. 17.
McDonough, John, and L. Normann, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for removing connecting elements. 1,826,808; Oct. 13.
McDonough, Lawrence E., Chicago, Ill. Plaiting machine. 1,809,716; June 9.
McDougal, Taine G., assignor to A C Spark Plug Company, Flint, Mich. Gravity-feed tunnel kiln. 1,788,885; Jan. 13.
McDougall, Allan J., assignor of one-half to E. J. James, Denver, Colo. Automatic hog feeder and grinder. 1,825,633; Sept. 29.
McDougall, Frank C. (See Dye, B. R., and McDougall.)
McDougall, George F., Portland, Oreg. Steam trap. 1,816,541; July 28.
McDougall, George F., Portland, Oreg. Ice cream freezer. 1,837,565; Dec. 22.
McDougall, Gilbert W., assignor to Erie Meter Systems, Inc., Erie, Pa. Gas-meter indicating-dial face. Des. 83,559; Mar. 3.
McDow, Lester. (See Braasch, A. D., McDow, and Twells.)
McDowall, James F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Core paste. 1,837,877; Dec. 22.

McDowall, James F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Core putty. 1,837,878; Dec. 22.
McDowell, Charles T., Lexington, Ky. Attachment for telephone money boxes. 1,832,720; Nov. 17.
McDowell, Emma E., Monrovia, Calif. Inverted flatiron holder. 1,814,517; July 14.
McDowell, George, Floral Park, N. Y. Valve for internal-combustion engines. 1,799,759; Apr. 7.
McDowell, Hamilton E., New York, N. Y. Dead end clamp. 1,825,913; Oct. 6.
McDowell, John S., and W. Carson, Midland, Ontario, Canada. Shoe shining machine. 1,805,832; May 19.
McDowell, Lamont A., and O. F. Graebner, Detroit, Mich., assignors to The Murray Corporation, of America. Vehicle body construction. 1,823,156; Sept. 15.
McDowell Manufacturing Company. (See McCoy, Harry E., assignor.)
McDowell, Thomas S., Wauwatosa, Wis. Chain clip. 1,796,607; Mar. 17.
McEachern, Joseph H., assignor, by mesne assignments, to Standard-Oil Company of California, San Francisco, Calif. Shut off valve and control for tank trucks. 1,801,749; Apr. 21.
McEachern, Joseph H., assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Tank truck emergency valve system and controller. 1,801,750; Apr. 21.
McEachron, Karl B., Pittsfield, Mass., assignor to General Electric Company. Discharge device and resistance material. 1,822,742; Sept. 8.
McEldowney, Robert E., assignor to New Martinsville Glass Mfg. Co., New Martinsville, W. Va. Display vase. 1,801,281; Apr. 21.
McEldowney, Wilber E., Denver, Colo. Swing-rail switch. 1,827,158; Oct. 13.
McEllin, Thomas J., Balla, Irish Free State. Device for packing. 1,838,274; Dec. 29.
McElroy, Frank C., Columbus, Ohio. Vehicle head lamp. 1,801,357; Apr. 21.
McElroy, Isaac E. (See Kunin, P., and McElroy.)
McElroy, Isaac E., Minneapolis, Minn. Pedestal structure for standards. 1,789,905; Jan. 20.
McElroy, Isaac E., assignor to Charles Arnao Company, Minneapolis, Minn. Drying machine. 1,796,384; Mar. 17.
McElroy, Karl P., Washington, D. C., assignor to The Permutit Company, New York, N. Y. Purifying water. 1,811,587; June 23.
McElroy, Robert B., and F. A. Anderson, Portland, Oreg. Automatic dust bin. 1,838,698; Dec. 29.
McElroy, Robert E., assignor to Reynolds Spring Company, Jackson, Mich. Spring structure. 1,826,012; Oct. 6.
McElroy, Robert L. (See Nolen, James G., assignor.)
McElroy, Robert L., Daytona, Fla., and J. E. Shepherd, Charlottesville, Va., assignors to McElroy, Shepherd & Company, Dover, Del. Fire fighting and fire protection. 1,829,714; Oct. 27.
McElroy, Shepherd & Company. (See McElroy, R. L., and Shepherd, assignors.)
McElroy, William, Brooklyn, N. Y. Spark plug. 1,789,078; Jan. 13.
McElwee, Winfred. (See Abrogast, William H., assignor.)
McElyea, Barney E., St. Louis, Mo. Screen. 1,811,553; June 23.
McEnery, Joseph P., Flushing, N. Y. Combined pencil and clip. 1,810,109; June 16.
McEnery, Joseph P., Flushing, N. Y. Pencil holder. 1,810,110; June 16.
McEntire, Victor H., Greenville, Pa. Three-spoke steering wheel for automobiles. Des. 83,334; Feb. 17.
McErlane, Daniel, Madison Lake, Minn. Fire extinguisher. 1,790,995; Feb. 3.
McEvan, David J., Wilmington, Del. Hinge. 1,793,946; Feb. 24.
McEvoy, J. H., & Company. (See Howard, James H., assignor.)
McEvoy, Joseph H., jr., Houston, Tex. Well strainer. 1,821,659; Sept. 1.
McEvoy Wireless Well Strainer Corporation. (See Trumble, Milton J., assignor.)
McEwen, John D., assignor to Lee C. Moore & Company, Incorporated, Pittsburgh, Pa. Clamp for derricks. 1,795,032; Mar. 3.
McEwen, Norman S., Nashville, Tenn. Garment bagging device. 1,830,368; Nov. 3.
McFadden, Fay, Rutland, Vt. Katopter. 1,827,250; Oct. 13.
McFadden, George V. (See Swearingen, Donald L., assignor.)
McFadden, Glenn E., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric-lantern fixture. Des. 83,236; Feb. 3.
McFadden, Glenn E., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric-lantern fixture. Des. 83,237; Feb. 3.
McFadden, Glenn E., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric-lantern fixture. Des. 83,238; Feb. 3.
McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture glass shade or the like. Des. 83,262; Feb. 10.
McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture glass shade or the like. Des. 83,263; Feb. 10.
McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture glass shade or the like. Des. 83,264; Feb. 10.
McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture glass shade or the like. Des. 83,265; Feb. 10.
McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture chandelier or the like. Des. 83,266; Feb. 10.
McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture chandelier or the like. Des. 83,267; Feb. 10.
McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Combined bracket and back for a side-wall lighting fixture. Des. 83,268; Feb. 10.
McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Bracket back for a side-wall lighting fixture. Des. 83,269; Feb. 10.
McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture glass shade or the like. Des. 83,270; Feb. 10.
McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture chandelier or the like. Des. 83,271; Feb. 10.
McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Bracket back for a side-wall lighting fixture. Des. 83,272; Feb. 10.
McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture chandelier or the like. Des. 83,633; Mar. 10.
McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture chandelier or the like. Des. 83,634; Mar. 10.
McFadden, Glenn E., assignor to Markel Electric Products, Buffalo, N. Y. Shade for an electric lamp. Des. 83,986; Apr. 21.
McFadden, Glenn E., assignor to Markel Electric Products, Buffalo, N. Y. Shade for an electric lamp. Des. 83,987; Apr. 21.
McFadden, Glenn E., assignor to Markel Electric Products, Buffalo, N. Y. Lamp shade. Des. 83,988; Apr. 21.
McFadden, Glenn E., assignor to Markel Electric Products, Buffalo, N. Y. Lantern type lamp shade. Des. 83,989; Apr. 21.
McFadden, Glenn E assignor to Markel Electric Products Inc., Buffalo, N. Y. Electric light fixture. Des. 84,095; May 5.
McFadden, Glenn E., assignor to Markel Electric Products Inc., Buffalo, N. Y. Electric light fixture. Des. 84,096; May 5.
McFadden, Glenn E., assignor to Markel Electric Products Inc., Buffalo, N. Y. Electric light fixture. Des. 84,097; May 5.
McFadden, Glenn E., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Shade for an electric lamp. Des. 84,199; May 19.
McFadden, Glenn E., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Lamp chimney. Des. 84,253; May 26.
McFadden, Glenn E., assignor to Markel Electric Products, Buffalo, N. Y. Wall bracket electric lighting fixture. Des. 84,790; Aug. 4.
McFadden, Glenn E., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Shade for an electric light fixture. Des. 85,254; Sept. 29.
McFadden, Glenn E., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Shade for an electric light fixture. Des. 85,255; Sept. 29.
McFadden, Glenn E., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Shade for an electric lamp. Des. 85,256; Sept. 29.
McFadden, Glenn E., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric light fixture. Des. 85,707; Dec. 8.
McFadden, John G., Camp Holabird, Md. Cylinder lapping tool. 1,818,491; Aug. 11.
McFadin, Searcy L., Borger, Tex., assignor to E. W. Hines, trustee, Cordell, Okla. Radio control system. 1,828,672; Oct. 20.
McFadyen, John C., Lakeport, Calif., assignor of one-third to W. H. Edmands and one-third to N. M. Sleeper. Aeroplane construction. 1,817,089; Aug. 4.
McFarland, Arthur E. (See McFarland, A. F. and A. E.)
McFarland, Artie F. and A. E., Houston, Tex. Internal combustion motor. 1,836,081; Dec. 15.
McFarland, Curtis, Felicity, Ohio. Spring winding and setting tool. 1,812,494; June 30.
McFarland, Dale F., Minneapolis, and R. E. Davis, Anoka, assignors to A. E. Carlsen, Minneapolis, Minn. Lighter for burners. 1,836,268; Dec. 15.
McFarland, Frank R., Cumberland, Md. Making conveyer and elevator screws. 1,818,492; Aug. 11.
McFarland, James C., Fort Thomas, assignor to The Wadsworth Watch Case Co., Dayton, Ky. Decorating watch dials, etc. 1,821,561; Sept. 1.
McFarland, James L. (See Ipsen, C. L., and McFarland.)
McFarland, James L., Schenectady, N. Y., assignor to General Electric Company. Furnace. 1,789,187; Jan. 13.
McFarland, Jesse R., assignor of one-half to J. W. McCune, Oak Creek, Colo. Repeating gun for shooting elastic bands. 1,809,208; June 9.
McFarland, Robert E. (See Hill, W. M., and McFarland.)

McFarland, Samuel E., Southgate, Calif. Railway-signal system. 1,787,752; Jan. 6.
McFarlane, George W., jr., Lufkin, Tex. Separator. 1,795,958; Mar. 10.
McFarlin, Gerald H., Rosemead, Calif., assignor to Tudor Potteries, Inc. Fixture tile. 1,807,630; June 2.
McFarlin, John R., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lightning arrester and making the same. 1,788,437; Jan. 13.
McFarlin, William K., East Orange, N. J. Hydraulic ram system. 1,829,051; Oct. 27.
McFarren, Stanley E., et al. (See Leeseberg, Henry C., assignor.)
McFerran, John B., jr., assignor to Louisville Electric Manufacturing Company, Louisville, Ky. Pressure lubricating system. 1,811,240; June 23.
McFerren, Henry J., Tiffin, Ohio. Door closer. 1,819,187; Aug. 18.
McFerren, Willard L., Saugus, Calif. Wheel, rim, and tire lock. 1,831,024; Nov. 10.
McFerson & Foster Co. (See Clifford, Samuel G., assignor.)
McGaffey, Hildred, Carmel, N. Y. Golf bag umbrella. 1,819,912; Aug. 18.
McGaffic, Walter C., Buffalo, N. Y. Compartment tank construction. 1,808,427; June 2.
McGarry, Christopher J., Paterson, N. J. Paper roll holder for printing presses. 1,813,307; July 7.
McGarry, John T., Cincinnati, Ohio. Railway switch apparatus. 1,814,323; July 14.
McGarry, John T., assignor to The American Valve and Meter Company, Cincinnati, Ohio. Track lubricating apparatus. 1,831,313; Nov. 10.
McGary, Francis L., Hardinsburg, Ky. Collapsible container. 1,839,111; Dec. 29.
McGary, Stanton U., W. F. Rogers, and S. Gill, assignors to Gulf Production Company, Houston, Tex. Metallic protective coating. 1,790,643; Feb. 3.
McGaugh, Calvin C., Elk City, Okla. Merchandising cabinet. Des. 83,463; Feb. 24.
McGauley, Walter G., New York, N. Y. Toothbrush. Des. 85,112; Sept. 15.
McGavack, John, Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Molding composition. 1,831,538; Nov. 10.
McGavern, Charles L., Olean, N. Y. Transmission control. 1,837,978; Dec. 22.
McGavic, Arthur, Kansas City, Mo., assignor to Nathan Paine, Miami Beach, Fla. Louver door. 1,806,637; May 26.
McGavin, Charles T., Los Angeles, Calif. Method and apparatus for handling and storing vehicles. 1,816,053; July 28.
McGavin, James, Springfield, Ill. Amusement and exercising device. 1,826,944; Oct. 13.
McGee, Frank R., Steubenville, Ohio. Furnace regenerator. 1,799,856; Apr. 7.
McGee, Frank R., Steubenville, Ohio. Gas cleaner. 1,818,905; Aug. 11.
McGee, Harvey E., assignor of one-fifth to F. J. Brown, Du Bois, Pa. Life-saving apparatus. 1,800,310; Apr. 14.
McGee, James L., Starr, S. C. Plowsweep. 1,799,564; Apr. 7.
McGee, John E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,834,856; Dec. 1.
McGee, Rupert E., Tampa, Fla. Switch. 1,822,706; Sept. 8.
McGee, Thurman, and P. Woodhead, Hayward, Calif., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Filling valve. 1,820,197; Aug. 25.
McGehee, John H., Sacramento, Calif. Coupon filing and canceling device. 1,796,873; Mar. 17.
McGeorge, Herbert. (See Tyler, R. S., McGeorge, and Reichart.)
McGeorge, Hubert J., Temuka, New Zealand. Converting rectilinear movement to rotary movement. 1,814,946; July 14.
McGeorge, James A., New Cross, London, assignor to The London Valve Company, Limited, Great Bridge, Staffordshire, England. Connection for pipes, tubes, bars, and the like. 1,829,101; Oct. 27.
McGerry, James J., Chicago, Ill., and C. H. Whiting, Kalamazoo, Mich., assignors to Rotary Utility Corporation, Chicago, Ill. Rotary automatic control means. 1,808,901; June 9.
McGhee, Henry, Rushcutters Bay, near Sydney, New South Wales, Australia. Manufacture of rubber soled footwear. 1,807,487; May 26.
McGiffert, John R., assignor to Clyde Iron Works, Duluth, Minn. Winding engine. Re18,220; Oct. 6.
McGibbon, William, Detroit, Mich. Flower-bed border. 1,798,265; Mar. 31.
McGill, Andrew D. (See Wright, S. M., and McGill.)
McGill, Chester T., assignor to Reiter Company, Elgin, Ill. Multiple flow base exchange water softener. 1,818,638; Aug. 11.
McGill, George F., Marengo, Ill. Telescoping and folding garment hanger. 1,787,991; Jan. 6.
McGill Manufacturing Company. (See Despard, Victor R., assignor.)
McGill Manufacturing Company. (See Despard, V. R., and Popp, assignors.)
McGill Manufacturing Company. (See Popp, Rudolf, assignor.)
McGill Metal Products Company. (See Sharp, Robert H., assignor.)
McGill, Russell, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of organic nitrates. 1,817,456; Aug. 4.
McGill, William B., Dormont, assignor to Neon Signal Devices, Inc., Pittsburgh, Pa. Traffic signal. 1,805,429; May 12.
McGill, William J., assignor to Standard Oil Company, Whiting, Ind. Lubricant oil. 1,837,279; Dec. 22.
McGill, William J., Homestead, and E. L. Stalnecker, Munhall, Pa. Radio and television cabinet. 1,831,817; Nov. 17.
McGinley, James M., Fort Worth, assignor of twenty-seven and one-half per cent to W. L. McGinley, San Antonio, and seventy-two and one-half per cent to Tray Service Company, Dallas, Tex. Detachable support. Re18,249; Nov. 10.
McGinley, James M., Fort Worth, assignor to Tray Service Company, Dallas, Tex. Adjustable support. 1,788,800; Jan. 13.
McGinley, W. L. (See McGinley, James M., assignor.)
McGinness, James F., Spring Valley, N. Y., and H. W. Cahill, Allendale, N. J. Fright-handling apparatus. 1,793,332; Feb. 17.
McGinness, Joseph E., Pittsburgh, Pa. Golf ball marker. 1,817,317; Aug. 4.
McGinnis, Basil W., Birmingham, Ala. Flange lubricator. 1,823,157; Sept. 15.
McGinnis, Herbert P., assignor to General Raincoat Co., Parkersburg, W. Va. Garment. 1,825,197; Sept. 29.
McGinty, Anthony C., Los Angeles, Calif. Turbine. 1,811,515; June 23.
McGirr, Theodore G., Brooklyn, N. Y. Holder. 1,817,262; Aug. 4.
McGlaughlin, John P., Crugers, N. Y. Filtering device. 1,816,785; July 28.
McGlone, Bernard T., Chicago, Ill. Retarding mechanism for railway rolling stock. 1,838,275; Dec. 29.
McGlothlen, Edward, Chicago, Ill. Cultivator shovel. 1,794,722; Mar. 3.
McGlothlen, John L., assignor to Fulton Tool Works, Huntington, W. Va. Metal-window construction. 1,791,219; Feb. 3.
McGogy, Donald H., assignor to McGogy Pump Co. Inc., McMinnville, Oreg. Liquid meter. 1,814,725; July 14.
McGogy Pump Co. Inc. (See McGogy, Donald H., assignor.)
McGovern, Byrne, Evansville, Ind., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Machine for forming hollow glass articles. 1,789,471; Jan. 20.
McGovern, Henry P., assignor to Dennison Manufacturing Company, Framingham, Mass. Inlay pad and making the same. 1,838,102; Dec. 29.
McGovern, W. T. (See Hoban, Fairfield W., assignor.)
McGowan, Edward M., Toledo, Ohio. Tally device. 1,826,520; Oct. 6.
McGowan, Harold, assignor of one-half to Bindery Service Company, Inc., and one-half to L. M. Pryor and M. G. Pryor, Chicago, Ill. Presser roller. 1,830,120; Nov. 3.
McGowan, Joseph. (See Rea, Alfred, assignor.)
McGowan, Joseph, Providence, R. I. Centrifugal spinning machine. 1,789,107; Jan. 13.
McGowan, Peter J., Hyde Park, assignor to Wellman Company, Medford, Mass. Valve. 1,793,331; Feb. 17.
McGowen, Francis J. (See McGowen, Ida R. and F. J.)
McGowen, Ida R. and F. J., San Pedro, Calif. Electrical water heating device. 1,817,090; Aug. 4.
McGrail, Michael J., Gardiner, Me., assignor, by mesne assignments, to Boston Machine Works Company. Shoe lining and making the same. 1,814,518; July 14.
McGrath, Arthur J., Washington, D. C. Course indicator for aircraft. 1,821,844; Sept. 1.
McGrath, John L., Astoria, N. Y. Signal lamp for vehicles. 1,797,782; Mar. 24.
McGrath, Lawrence F. (See Thomas, J., and Flanigan, assignors.)
McGrath, William H., Elizabeth, N. J., assignor to Standard Oil Development Company. Pipe coil heat exchange equipment. 1,833,876; Nov. 24.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. Re18,040; Apr. 14.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Starter drive. 1,808,115; June 2.
McGrath, William L., Elmira, assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine starting mechanism. 1,811,401; June 23.
McGrath, William L., Elmira, assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine starter. 1,820,397; Aug. 25.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,820,945; Sept. 1.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,822,163; Sept. 8.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,830,204; Nov. 3.
McGraw, George P., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for manufacturing articles. 1,815,721; July 21.

McGraw, George P., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacturing electrical connecting plugs. 1,837,723; Dec. 22.
McGregor, Alexander G., London, England. Crushing roll. 1,795,663; Mar. 10.
McGregor, Alexander G., London, England. Liquid circulating plant. 1,833,400; Nov. 24.
McGregor, Alexander G., London, England. Ore reduction. 1,838,427; Dec. 29.
McGregor, Archie G., Caldwell, Ohio. Anæsthetic holding and heating accessory. 1,829,600; Oct. 27.
McGregor, James A., Cleveland, Ohio. Wall structure. 1,797,010; Mar. 17.
McGrew, John A., Albany, N. Y. Starting mechanism. 1,830,614; Nov. 3.
McGrew, John A., Albany, N. Y., assignor to Bethlehem Steel Company. Locomotive booster frame. 1,827,665; Oct. 13.
McGruer, Alfred E., assignor to H. E. Hall and W. J. Dobbin, Toronto, Ontario, Canada. Illuminator for water gauges. 1,802,122; Apr. 21.
McGuigan, Daniel J., Detroit, Mich. Splice lock for railroad rails. 1,832,230; Nov. 17.
McGuigan, James D., Palm Beach, Fla. Hat-shape retainer for use in men's soft hats. 1,789,188; Jan. 13.
McGuineas, William. (See Parker, Thomas J., assignor.)
McGuinness, Maxwell, London, England. Agitating and conveying apparatus. 1,798,026; Mar. 24.
McGuinness, William V. (See Creedon, M. V., and McGuinness.)
McGuinness, William V., Flushing, N. Y., and W. H. Francis, Jersey City, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Automatic selective pneumatic tube carrier relay. 1,814,947; July 14.
McGuire, Cornelius E., Norwood, Ohio. Latch for windows. 1,799,523; Apr. 7.
McGuire, Donald D. (See Hansard, O. H., and McGuire.)
McGuire, Harold E. Shelby, Ohio. Airfoil construction. 1,832,314; Nov. 17.
McGuire, James, National Soldiers Home, Va. Handle attachment for garden implements. 1,836,609; Dec. 15.
McGuire, Louis, assignor to Sloan Brothers, Lonaconing, Md., a partnership composed of Alexander Sloan and Dixon C. Sloan. Goblet or similar article. Des. 83,990; Apr. 21.
McGuire, Michael J., Chicago, Ill. Tobacco pouch. 1,820,282; Aug. 25.
McHale, Michael J., Scranton, Pa. Flyer construction. 1,813,893; July 7.
McHale, Michael J., Scranton, Pa. Flyer construction. 1,813,894; July 7.
McHale, Michael J., Scranton, Pa. Flyer construction. 1,813,895; July 7.
McHale, Michael J., Scranton, Pa. Flyer construction. 1,827,161; Oct. 13.
McHale, Ulric J. (See Dicola, Rocco, assignor.)
McHall, Joseph. (See Kaminski, J. J., and McHall.)
McHardy, George J., Long Beach, Calif. Seal apparatus for well tubing and casing. 1,835,418; Dec. 8.
McHenry, Clinton A. (See Gilleland, J. W., McHenry, and Krueger.)
McHenry, Samuel B., Bloomsburg, Pa. Tidewater power plant. 1,793,743; Feb. 24.
McHorney, Selma T. (See Reis, Marion O., assignor.)
McHugh, Irene, Seattle, Wash. Statuette. Des. 84,157; May 12.
McHugh, Robert H., Hornby, Ontario, Canada. Bag holder. 1,802,437; Apr. 28.
McHugh, Thomas P., and W. T. McHugh, Pittsburgh, Pa. Reversible doorframe. 1,826,516; Oct. 6.
McHugh, William P., St. Louis, Mo. Miniature theater. 1,800,948; Apr. 14.
McHugh, William T. (See McHugh, Thomas P. and W. T.)
McIlvain, Howard S. (See Jones, C. L., and McIlvain.)
McIlvaine, John H., Evanston, Ill. Air-control shutter. 1,797,293; Mar. 24.
McIlvaine, Oran T., East Cleveland, assignor to The Radio Television Company, Cleveland, Ohio. Aerial navigation and protection. 1,787,992; Jan. 6.
McIlvaine, Oran T., East Cleveland, Ohio, assignor to McIlvaine Patent Corporation, St. Charles, Ill. Apparatus for producing light waves. 1,821,442; Sept. 1.
McIlvaine, Oran T., assignor to McIlvaine Patent Corporation, St. Charles, Ill. Thermionic tube. 1,837,566; Dec. 22.
McIlvaine Patent Corporation. (See McIlvaine, Oran T., assignor.)
McIlvin, Leon D., Lynn, Mass., assignor to General Electric Company. Automatic arc welding machine. 1,818,859; Aug. 11.
McIlvried, Edwin J., Cleveland, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Wire drawing machine and process of threading the same. 1,821,845; Sept. 1.
McIlvried, Howard G., Gary, Ind., assignor to American Sheet and Tin Plate Company. Hoisting mechanism. 1,822,629; Sept. 8.
McIlwaine Patent Corporation. (See Raus, John, assignor.)
McInnes, J. T. (See Brammer, Anthony C., assignor.)
McInnis, Louis H., Brandon, Tex. Tie holder. 1,823,959; Sept. 22.
McInnis, Walter J., Stelton, assignor to Widescope Camera Company, Newark, N. J. Motion picture camera. 1,837,467; Dec. 22.
McIntire, Charles V., East Orange, N. J., assignor to Consolidation Coal Products Company, Wilmington, Del. Distillation of pitch into coke. 1,817,926; Aug. 11.
McIntire, Charles V., East Orange, N. J., assignor to Consolidation Coal Products Company, Wilmington, Del. Retort discharging means. 1,818,567; Aug. 11.
McIntire, Christian H., Chicago, Ill. Method and apparatus for hair waving. 1,827,434; Oct. 13.
McIntire, Gaston C., Wilmington, N. C. Hedge saw. 1,834,000; Dec. 1.
McIntire, James E., Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Folding machine. 1,838,428; Dec. 29.
McIntire, James F., assignor to United States Radiator Corporation, Detroit, Mich. Radiator. Des. 85,192; Sept. 22.
McIntire, James F., assignor to United States Radiator Corporation, Detroit, Mich. Radiator. Des. 85,296; Oct. 6.
McIntosh, Donald H. (See Austin, John F., and McIntosh.)
McIntosh Electrical Corporation. (See Chesney, J. W. D., and MacLagan, assignors.)
McIntosh Electrical Corporation. (See MacLagan, Hector P., assignor.)
McIntosh, Frederick F., Glen Osborne, Pa., assignor to Crucible Steel Company of America. Manufacture of steel. 1,797,728; Mar. 24.
McIntosh, Henry, et al. (See Green, Elmer, assignor.)
McIntosh, James, Norristown, Pa., assignor, by mesne assignments, to Continental-Diamond Fibre Company, Newark, Del. Synthetic resin and making same. 1,820,816; Aug. 25.
McIntosh, James A. (See Begue, F. F., and McIntosh.)
McIntosh, James R., Bobcaygeon, Ontario, Canada, assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fish lure. 1,831,870; Nov. 17.
McIntosh, John T., Chicago, Ill. Vehicle spring suspension. 1,812,061; June 30.
McIntosh, Leo, and I. T. Brown, San Antonio, Tex.; said McIntosh assignor to said Brown. Brooder and heating accessory therefor. 1,831,504; Nov. 10.
McIntosh, Roderick J. (See Dougherty, R. S. A., and McIntosh.)
McIntosh, Roy E., New York, N. Y., and A. R. Van Tassell, Bayonne, N. J., assignors, by mesne assignments, to J. Edward Ogden Company, New York, N. Y. Anchor. 1,795,279; Mar. 3.
McIntosh, Roy S., Chicago, Ill. Clutch transmission. 1,830,369; Nov. 3.
McIntyre, Allen H., Winchester, Va., assignor of one-half to F. B. Pease Company, Rochester, N. Y. Fruit grading or sorting machine. 1,835,889; Dec. 8.
McIntyre, Arthur C. and W. H., Kalamazoo, Mich. Valve structure. 1,805,777; May 19.
McIntyre, Brouwer D., assignor to Monroe Auto Equipment Company, Monroe, Mich. Piston construction. 1,837,914; Dec. 22.
McIntyre, David A., assignor of one-half to E. L. Mueller, Newark, N. J. Page numbering sheets for books. 1,823,692; Sept. 15.
McIntyre, Edward W., Cleveland, Ohio, assignor to Westinghouse Electric & Manufacturing Co. Ventilator. 1,819,255; Aug. 18.
McIntyre, Gordon. (See Stratford, R. K., and McIntyre.)
McIntyre, Gordon. (See Stratford, R. K., McIntyre, and Moor.)
McIntyre, John, Portobello, Scotland. Machine for grinding and refining paint, cellulose, chocolate, chemicals, and such like materials. 1,838,565; Dec. 29.
McIntyre, John J., Hartford, Conn. Shock absorber. 1,802,350; Apr. 28.
McIntyre, John J., Hartford, Conn. Metal ball grinding machine. 1,805,878; May 19.
McIntyre, Joseph J., Brooklyn, N. Y. Folding chair. 1,789,245; Jan. 13.
McIntyre, Michael J., Eden Center, N. Y. Safety guard for machines. 1,794,469; Mar. 3.
McIntyre, Patrick J., assignor to Wolverine Tube Company, Detroit, Mich. Heat-exchange apparatus. 1,789,591; Jan. 20.
McIntyre, Peter F. (See Fingland, J. J., Turnbull, and McIntyre.)
McIntyre, Sydney S., Sedro Woolley, Wash. Variable-pressure valve. 1,791,901; Feb. 10.
McIntyre, Sydney S., Sedro-Woolley, Wash. Control for a plurality of variable pressure valves. 1,815,628; July 21.
McIntyre, Thomas A., San Francisco, Calif. Automobile actuating mechanism. 1,823,208; Sept. 15.
McIntyre, Thomas A., San Francisco, Calif. Variable speed transmission. 1,833,031; Nov. 24.
McIntyre, William H. (See McIntyre, Arthur C. and W. H.)
McIver, Percival E., Auckland, New Zealand. Wave-receiving apparatus. 1,790,054; Jan. 27.
McJannet, William J., assignor to Economy Irrigation Company, Inc., Seattle, Wash. Quick coupling valve device. 1,817,830; Aug. 4.
McJilton, Karl F., Moberly, Mo. Valve. 1,822,230; Sept. 8.
McJoynt, Thomas L., Janesville, Wis. Pad filling apparatus. 1,828,673; Oct. 20.

McKain, Edward, Los Angeles, Calif. Grain huller. 1,814,398; July 14.
McKamey, William O. (See Sanford, H. W., and McKamey.)
McKamey, William O., Knoxville, Tenn., assignor to Sanford Investment Company, Wilmington, Del. Wheel and axle. 1,830,707; Nov. 3.
McKaughan, Jesse A., Troutmans, N. C. Tobacco stick. 1,798,214; Mar. 31.
McKay, Archie B., New London, Conn. Dirigible headlight. 1,805,589; May 19.
McKay Company, The. (See Appleton, Wallace N., assignor.)
McKay Company, The. (See Lewis, Fred H., assignor.)
McKay, Donald, Flatonia, Tex. Citrus fruit holder. 1,829,664; Oct. 27.
McKay, George G., Youngstown, Ohio, assignor to The Ohio Corrugating Company, Warren, Ohio. Machine for expanding cylinders. 1,825,081; Sept. 29.
McKay, H. V., Proprietary Limited. (See Taylor, Headlie S., assignor.)
McKay, Hobart J., P. J. Carlsen, A. O. Fuhrman, St. Paul, and E. Unzel, Minneapolis, assignors to American Container Corporation, St. Paul, Minn. Molding apparatus. 1,826,945; Oct. 13.
McKay, Stewart R., Shaker Heights, Ohio, assignor of one-half to P. E. Selby, Incorporated, Cleveland, Ohio. Building construction. 1,789,827; Jan. 20.
McKay, William F., La Grange, Ill. Device for supporting bedclothes. 1,835,798; Dec. 8.
McKeage, Robert S., Cicero, assignor to Speedway Manufacturing Company, Chicago, Ill. Rotary cutter device. 1,803,068; Apr. 28.
McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Package holder. 1,795,877; Mar. 10.
McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Slub catcher. 1,804,019; May 5.
McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Cop cone holder for creels. 1,805,495; May 19.
McKean, John W., assignor to Titan Tool Company, Erie, Pa. Slip driving device. 1,835,168; Dec. 8.
McKee, Amos L., and W. D. Campbell, Spokane, Wash. Vehicle spring. 1,788,626; Jan. 13.
McKee, Arthur G., Cleveland, Ohio. Gas scrubber. 1,797,271; Mar. 24.
McKee, Arthur G., Cleveland, Ohio. Heat exchange device. 1,835,074; Dec. 8.
McKee, Charles R., Milwaukee, Wis., assignor to American Hair & Felt Company, Chicago, Ill. Coating. 1,827,822; Oct. 20.
McKee, Garnet W., Rockford, Ill. Proportional-mixer-control apparatus. 1,788,925; Jan. 13.
McKee, Garnet W., Rockford, Ill. Cock. 1,800,554; Apr. 14.
McKee, Garnet W., Rockford, Ill. Meter connection. 1,814,173; July 14.
McKee, Garnet W., Rockford, Ill. Fuel mixing device. 1,829,102; Oct. 27.
McKee, Garnet W., Rockford, Ill. Fluid control system. 1,834,130; Dec. 1.
McKee, Garnet W., Rockford, Ill. Meter connecting device. 1,838,778; Dec. 29.
McKee Glass Company. (See Sailer, George D., assignor.)
McKee Glass Company. (See Smith, Maurice A., assignor.)
McKee Glass Company. (See Wood, Arch K., assignor.)
McKee, Harry H., assignor to Swift & Company, Chicago, Ill. Meat marker. 1,806,076; May 19.
McKee, Harry H., and G. Schuler, assignors to Swift and Company, Chicago, Ill. Branding machine. 1,807,631; June 2.
McKee, Harry H., and C. T. Walter, assignors, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Vending device. 1,837,625; Dec. 22.
McKee, Neal T., Bronxville, assignor to American Throttle Company, Inc., New York, N. Y. Throttle valve. 1,801,441; Apr. 21.
McKee, Philip L., Chicago, Ill. Ventilator-door construction for greenhouses and the like. 1,796,113; Mar. 10.
McKee, Philip L., Chicago, Ill. Bench construction. 1,801,315; Apr. 21.
McKee, Philip L., Chicago, Ill. Greenhouse bench. 1,809,055; June 9.
McKee, Philip L., Pana, Ill. Greenhouse ventilator. 1,838,184; Dec. 29.
McKee, Ralph H., Leonia, N. J. Preparation of chlorine for the treatment of colds and the like. 1,802,661; Apr. 28.
McKee, Ralph H., Leonia, N. J. Denatured spirits and making the same. 1,804,632; May 12.
McKee, Ralph H., Jersey City, N. J. Administering chlorine gas for the treatment of colds and the like. 1,802,662; Apr. 28.
McKee, Ralph H., Jersey City, N. J. Making fire proofed wood and like cellular products. 1,804,633; May 12.
McKee, Ralph H., New York, N. Y., assignor to Tennessee Corporation. Manufacture of sulphates. 1,804,631; May 12.
McKee, Robert, Philadelphia, Pa. Drainage device for roof gutters and the like. 1,811,728; June 23.
McKee, Stanley H., Youngstown, Ohio. Open-hearth furnace. 1,798,618; Mar. 31.
McKee, W. A. (See Dryer, Edwin H., assignor.)
McKee, Walter S., assignor to Kensington Steel Company, Chicago, Ill. Dipper tooth. 1,787,695; Jan. 6.
McKee, Walter S., assignor to Kensington Steel Company, Chicago, Ill. Excavating dipper. 1,807,632; June 2.
McKee, William J., Los Angeles, Calif. Clamp. 1,810,777; June 16.
McKee, Willis, Cleveland, Ohio. Motor-driven conveyer roller. 1,788,167; Jan. 6.
McKee, Willis, Cleveland, Ohio, assignor to The Central United National Bank. Connecter. 1,820,984; Sept. 1.
McKee, Willis, Cleveland, Ohio, assignor to The Central United National Bank. Temperature controlled motor driven roller. 1,820,985; Sept. 1.
McKee, Willlis, Cleveland, Ohio, assignor to The Central United National Bank. Apparatus for demagnetizing magnetically conveyed material. 1,824,403; Sept. 22.
McKee, Willis, Cleveland, Ohio, assignor to The Central United National Bank. Hotbed. 1,824,439; Sept. 22.
McKeefe, Edward P. (See Bradley, L., and McKeefe.)
McKeegan, Cornelius J., jr., Baker, Oreg. Hook for ceiling fans and the like. 1,790,065; Jan. 27.
McKeel, George A., Jackson, Mich., assignor to The American Fork & Hoe Company, Cleveland, Ohio. D-top. 1,802,153; Apr. 21.
McKeen, Arthur H., Omaha, Nebr., assignor to The Union Switch & Signal Company, Swissvale, Pa. Wheel counting apparatus. 1,835,234; Dec. 8.
McKelvey, John M. (See Reynolds, J. L., and McKelvey.)
McKendrick, Paul C., St. Paul, assignor to Fusaline, Inc., Minneapolis, Minn. Relay for high-tension fuses. Re18,031; Apr. 7.
McKenna, Charles J., assignor to Atlas Supply Company, Newark, N. J. Combined testing apparatus and stock stand. Des. 85,885; Dec. 29.
McKenna, Hugh H., Los Angeles, Calif., assignor, by mesne assignments, to Wonderful Development Company. Dry air separator. 1,837,915; Dec. 22.
McKenna, John B., Los Angeles, Calif. Water tube boiler. 1,815,377; July 21.
McKenna Process Company of Illinois. (See Langford, George, assignor.)
McKenney, Fred Y., assignor of one-half to J. Z. Easley, Chattanooga, Tenn. Hydraulic brake mechanism. 1,811,019; June 23.
McKenny, Charles A., assignor to The Joseph E. Barrett Co., Detroit, Mich. Mechanical overload release. 1,805,879; May 19.
McKenny, Edward C., assignor to Independent Pneumatic Tool Company, Chicago, Ill. Tool retainer device. 1,831,818; Nov. 17.
McKenny, Van S., and R. R. Crooke, assignors to The Page McKenny Company, Seattle, Wash. Curtain hoist. 1,831,128; Nov. 10.
McKenzie, Angus D., Mansfield, assignor to The American Safety Navigation Company, Canton, Ohio. Load-carrying and launching device. 1,827,534; Oct. 13.
McKenzie, Angus D., Mansfield, assignor to The American Safety Navigation Company, Canton, Ohio. Boat launching device. 1,827,535; Oct. 13.
McKenzie Company, The. (See Tuerck, Oscar, assignor.)
McKenzie, Frank, deceased, assignor of one-third to J. Thornell and one-third to J. Chris Jensen, Council Bluffs, Iowa; R. A. Smith, administrator. Electric safety ignition device. 1,801,519; Apr. 21.
McKenzie Mortar Company. (See Harrison, Douglas M., assignor.)
McKenzie, Ralph E., La Crosse, Wis., assignor, by mesne assignments, to Oliver Farm Equipment Company. Spraying apparatus. 1,836,269; Dec. 15.
McKercher, Joseph A., New Westminster, British Columbia, Canada. Paint surfacing and distributing machines for dipped shingles. 1,794,702; Mar. 3.
McKercher, Leroy R., California, Iowa, assignor of one-half to James E. McKerchner, Valparaiso, Nebr. Washing machine. 1,806,982; May 26.
McKerchner, James E. (See McKerchner, Leroy R., assignor.)
McKerlie, William R., Regina, Saskatchewan, Canada. Switch for the control of light signals. 1,794,193; Feb. 24.
McKesson & Robbins, Incorporated. (See Danco, Leon A., assignor.)
McKesson & Robbins, Inc. (See Fanto, Emil C., assignor.)
McKesson & Robbins, Inc. (See Horn, William J., assignor.)
McKibben, Frank S., Chula Vista, Calif. Automatic regulator for incubators. 1,794,412; Mar. 3.
McKibben, Robert E., Pittsburgh, Pa. Ice-cream holder or cone. 1,794,238; Feb. 24.
McKim, Wilmer E., New Kensington, assignor to W. E. Spill, trustee, Pittsburgh, Pa. Scale apparatus. 1,827,758; Oct. 20.
McKinley, Benjamin P., assignor to The Bryant Electric Company, Bridgeport, Conn. Tumbler switch. 1,793,412; Feb. 17.
McKinley, Benjamin P., Bridgeport, Conn., assignor to The Bryant Electric Company. Electric attachment plug. 1,804,020; May 5.
McKinley, Benjamin P., Brooklyn, N. Y., assignor to The Bryant Electric Company. Combined lamp socket cluster and connection plug. 1,810,570; June 16.
McKinley, Charles W., assignor to A C Spark Plug Company, Flint, Mich. Mounting for oil filters. 1,792,854; Feb. 17.
McKinley, Charles W., assignor to A C Spark Plug Company, Flint, Mich. Oil-filter-cover assembly. 1,798,947; Mar. 31.

McKinley, Charles W., assignor to A C Spark Plug Company, Flint, Mich. Bracket. 1,806,560; May 19.
McKinley, Charles W., assignor to A C Spark Plug Company, Flint, Mich. Oil pressure booster. 1,806,561; May 19.
McKinley, Charles W., assignor to A C Spark Plug Company, Flint, Mich. Oil filter. 1,830,742; Nov. 3.
McKinley, Charles W., Flint, and G. H. Willits, Pleasant Ridge, assignors to A C Spark Plug Company, Flint, Mich. Oil filter mounting. 1,816,600; July 28.
McKinley, Edwin W., assignor to Merit Water Heater Co. Ltd., Los Angeles, Calif. Burner control 1,827,993; Oct. 20.
McKinley, John P., and C. F. Ulrich, Buffalo; said Ulrich assignor to E. Roy Alling, Kenmore, N. Y. Rotary can washer. 1,799,618; Apr. 7.
McKinley, William, assignor of one-half to D. W. Benninghoff, Toronto, Ohio. Shade bracket. 1,836,483; Dec. 15.
McKinney, Bella R., Los Angeles, Calif. Resilient heel. 1,824,287; Sept. 22.
McKinney, E. Kirk, special administrator. (See Humphries, Chad H., assignor.)
McKinney, E. Kirk, special administrator. (See Young, A. W., and Stinson.)
McKinney, Harold F. (See Steinmetz, C. R., and McKinney.)
McKinney, Henry H., Burgettstown, Pa. Clothesline-prop holder. 1,789,765; Jan. 20.
McKinney, James P., jr., assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Hinge. 1,800,311; Apr. 14.
McKinney Manufacturing Company. (See McKinney, James P., jr., assignor.)
McKinney Manufacturing Company. (See Scott, William A., assignor.)
McKinney Manufacturing Company. (See Woernle, Harry E., assignor.)
McKinney Manufacturing Company. (See Wread, William E., assignor.)
McKinnie, Beverly R., et al. (See Snodgrass, Joseph C., assignor.)
McKinnon, Daniel F., Boston, Mass. Waterproof cover for caps. Des. 85,193; Sept. 22.
McKinnon Dash Company. (See Wheaton, P. T., and Kinghorn, assignors.)
McKinzie, Edward R., Memphis, Tenn. Elevator lubricator. 1,812,540; June 30.
McKissick, William H., Tulsa, Okla. Stuffing box. 1,813,308; July 7.
McKissock, Alexander C., assignor to Linoleum Manufacturing Company, Limited, London, England. Tile linoleum. 1,808,116; June 2.
McKnight, Edgar W., Bayonne, N. J., assignor to General Cable Company, New York, N. Y. Mechanism for wrapping strip material around conductors, cables, cores, and the like. 1,798,334; Mar. 31.
McKnight, Edward, Amsterdan, N. Y. Fabric take-up for looms. 1,815,793; July 21.
McKnight, Richard, Chicago, Ill. Filing apparatus. 1,827,296; Oct. 13.
McKnight, Robert, Pittsburgh, Pa. Electrical furnace. 1,836,721; Dec. 15.
McKnight, Rufus R., and A. Webber, assignors to The De Moe Engineering Laboratories, Inc. Automotive steam generator. 1,798,550; Mar. 31.
McKnight, Samuel H., Jersey City, N. J. Heating apparatus. 1,790,828; Feb. 3.
McKnight, Samuel H., Jersey City, N. J., assignor to Troy Laundry Machinery Co. Inc., New York, N. Y. Collapsible conveyer. 1,828,780; Oct. 27.
McKone, Leo J., Minneapolis, Minn. Connecting rod structure. 1,819,784; Aug. 18.
McKoy, Edwin A., New Orleans, La. Hacker for turpentine trees. 1,818,906; Aug. 11.
McKuen, Edward, Madera, Calif. Lumber-loading device. 1,800,555; Apr. 14.
McLagan, George E., assignor to Abegg & Reinhold Company, Los Angeles, Calif. Drill pipe slip. 1,834,316; Dec. 1.
McLain Fire Brick Company. (See Blewett, John B., assignor.)
McLain, Harry E. (See Broad, William, assignor.)
McLain, Lewis A., Wichita, Kans. Crooked hole indicator. 1,820,082; Aug. 25.
McLaine, William L., Los Angeles, Calif. Casing head. 1,830,205; Nov. 3.
McLamarrah, Robert R., Woonsocket, S. Dak. Tractor-plow guide. 1,795,225; Mar. 3.
McLamarrah, Robert R., Woonsocket, S. Dak. Automobile trailer hitch. 1,816,121; July 28.
McLamore, John T., Scotia, N. Y., assignor to General Electric Company. High frequency electrical apparatus. 1,833,788; Nov. 24.
McLanahan-Stone Machine Company. (See Krider, George E., assignor.)
McLaren, Alex C., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Locking device for vacuum-cleaner handles. 1,787,696; Jan. 6.
McLaren-Consolidated Cone Corporation. (See Turnbull, Werd W., assignor.)
McLaren, Malcolm W., Jackson Heights, assignor, by mesne assignments, to W. Kidde & Company, Inc., New York, N. Y. Nozzle. 1,809,787; June 9.
McLaren, Volney A., Wichita, Kans. Chili booth. Des. 83,335; Feb. 17.
McLaughlin, Belknap. (See Sacerdote, Guido M., assignor.)
McLaughlin, Donald A., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 1,790,716; Feb. 3.
McLaughlin, Frank, assignor, by mesne assignments, to W. C. Goffatt, Toronto, Ontario, Canada. Fishing lure. 1,808,565; June 2.
McLaughlin, George E., Peabody, Mass., assignor to The Turner Tanning Machinery Company, Portland, Me. Machine for operating upon hides, skins, and leather. 1,816,154; July 28.
McLaughlin, Harold A. (See Breisky, J. V., and McLaughlin.)
McLaughlin, Herrold L. (See McLaughlin, Wilson L. and H. L.)
McLaughlin, James J., Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Packing for closures. 1,801,442; Apr. 21.
McLaughlin, John E., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,832,814; Nov. 17.
McLaughlin, Stephen D. (See Collins, A. E., and McLaughlin.)
McLaughlin, Wilson L. and H. L., Des Moines, Iowa. Pneumatic separator for pulverizing mills. 1,797,434; Mar. 24.
McLaughlin, Wilson L. and H. L., assignors of one-fourth to E. L. Twining, Des Moines, Iowa. Fabric separator. 1,823,693; Sept. 15.
McLaurin, King H., Duquesne, Pa. Clay gun clamping mechanism. 1,822,630; Sept. 8.
McLauthlin, Herbert F. (See Teale, W., and McLauthlin.)
McLay, John L., Sacramento, Calif. Speed wrench. 1,835,315; Dec. 8.
McLean, Anthony E., Fullerton, assignor of one-third to C. M. Gravett, Long Beach, Calif. Drill bit. 1,797,690; Mar. 24.
McLean, Charles D., Fenton, Mich. Incubator. 1,815,927; July 28.
McLean, Charles E., South Portland, Me. Wrapped coin container. 1,809,523; June 9.
McLean, Harry L., Scranton, assignor of one-third to G. W. Wilmot and one-third to F. H. Blatch Hazleton, Pa. Coal-cleaning apparatus. 1,792,179; Feb. 10.
McLean, Jennie C. (See Butler, John R., assignor.)
McLean, John C., assignor to The M and M Company, Cleveland, Ohio. Electric battery. 1,801,282; Apr. 21.
McLean, John H. (See Barrows, A. C., McLean, and Langford.)
McLean, John H. (See Langford, G. W., Barrows, and McLean.)
McLean, Robert W., Bridgewater, Mass., assignor to Carver Cotton Gin Company, East Bridgewater, Mass. Cutter. 1,790,106; Jan. 27.
McLean, Robert W., Bridgewater, assignor to Carver Cotton Gin Company, East Bridgewater, Mass. Trimmer for brush bristles. 1,808,312; June 2.
McLeary, Eddie, and D. Lamb, Lander, Wyo. Clock. 1,792,435; Feb. 10.
McLeish, James G., Irvine, Alberta, Canada. Tripod or the like. 1,789,317; Jan. 20.
McLellan, David M. (See Rowley, D. D., and McLellan.)
McLellan, James H., Vancouver, British Columbia, Canada. Measuring and circulating device. 1,808,117; June 2.
McLendon, Alex M., assignor of one-third to A. P. Solomon, jr., and one-third to A. L. Hildreth, Savannah, Ga. Collar pressing machine. 1,817,574; Aug. 4.
McLendon, Millen H. (See Floyd, D. G., and McLendon.)
McLendon, Willis B., and M. F. Wagner, San Diego, Calif. Airplane tail jack and dolly. 1,794,027; Feb. 24.
McLeod, Bradford L., Frankfort, Ind. Exhaust nozzle. 1,809,942; June 16.
McLeod, Daniel, jr., Dallas, Tex. Clip. 1,805,833; May 19.
McLeod, Edward P., Lexington, Mass. Ground-sending apparatus. 1,794,470; Mar. 3.
McLeod Furniture Company. (See McLeod, Raymond H., assignor.)
McLeod, Neil P., Seattle, Wash. Fluid controlled curtain. 1,820,148; Aug. 25.
McLeod, Oliver D., Ottawa, Ontario, Canada. Valve-spring-compressing mechanism. 1,788,581; Jan. 13.
McLeod, Raymond H., assignor to McLeod Furniture Company, Laurel, Miss. Veneer cutter and matcher. 1,811,757; June 23.
McLeod, Robert J., West Drayton, England. Thread milling machine. 1,806,359; May 19.
McLeod, Warren H., Boulder, Colo. Golf tee and manufacturing the same. 1,815,520; July 21.
McLimans, John P., Duluth, Minn. Slag pocket. 1,795,959; Mar. 10.
McLimans, John P., Duluth, Minn. Collapsible port for furnaces. 1,802,663; Apr. 28.
McLimans, John P., Duluth, Minn. Water cooled collapsible port. 1,802,664; Apr. 28.
McLimans, John P., Duluth, Minn. Supporting, constructing, and repairing furnace roofs. 1,809,209; June 9.
McLimans, John P., Duluth, Minn. Sectional buckstay. 1,809,210; June 9.
McLimans, John P., Duluth, Minn. Repairing furnace roofs. 1,824,222; Sept. 22.

McLoughlin, Arthur J., Corona, N. Y. Signaling and indicating device for protecting the molds and mold liners of typesetting machines. 1,811,144; June 23.
McLoughlin, Patrick, Worcester, Mass. Repair link. 1,798,849; Mar. 31.
McMahon, Eugene D., Beaumont, Tex. Traction attachment for vehicle wheels. 1,787,753; Jan. 6.
McMahon, Frank, Dayton, Ohio. Angle plate. 1,793,112; Feb. 17.
McMahon, Harry R., Coraopolis, Pa. Bumper end construction. 1,835,663; Dec. 8.
McMahon, Harry R., Coraopolis, Pa., assignor to Standard Steel Spring Company. Bumper end construction. 1,793,947; Feb. 24.
McMahon, Harry R., Coraopolis, Pa., assignor to Standard Steel Spring Company. Bumper end construction. 1,793,948; Feb. 24.
McMahon, Harry R., Coraopolis, Pa., assignor to Standard Steel Spring Company. Bumper end construction. 1,793,949; Feb. 24.
McMahon, Harry R., Coraopolis, Pa., assignor to Standard Steel Spring Company. Bumper construction. 1,826,626; Oct. 6.
McMahon, James J., Forest Hills, L. I., assignor to American Car and Foundry Motors Company, New York, N. Y. Tank vehicles. 1,797,217; Mar. 17.
McMahon, William F., Riverside, Calif. Pump piston. 1,789,318; Jan. 20.
McMahon, William F., Riverside, Calif. Oil well pump. 1,801,520; Apr. 21.
McMaken, Oran H. (See Ross, S., and McMaken.)
McManis, Fred, assignor to W-K-M Company, Houston, Tex. Device for cleaning the outside of pipes. 1,815,573; July 21.
McManis, Fred, assignor to W-K-M Company, Houston, Tex. Device for cleaning and coating pipe. 1,821,352; Sept. 1.
McMann, Forrest S. (See Schoepp, L. W., and McMann.)
McMann, Warren R., assignor of one-half to W. Henderson, New York, N. Y. Ventilating window pane. 1,817,494; Aug. 4.
McManus, Charles, Belleville, Ill., assignor of one-third to C. C. Schrott, St. Louis, Mo., and one-third to J. H. Weare, Little Rock, Ark. Tie remover. 1,836,082; Dec. 15.
McManus, Charles E., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Making bottle closures. 1,806,880; May 26.
McManus, Frank C., Brooklyn, N. Y., assignor to International Motor Company, New York, N. Y. Combined gas tank and running-board apron. 1,797,873; Mar. 24.
McManus, Frank C., Brooklyn, assignor to International Motor Company, New York, N. Y. Steering wheel rim. 1,801,283; Apr. 21.
McManus, Frank C., Brooklyn, assignor to International Motor Company, New York, N. Y. Individual wheel mounting. 1,832,871; Nov. 17.
McManus, Frank C., Brooklyn, assignor to International Motor Company, New York, N. Y. Six wheel chassis with individual wheel mounting. 1,833,053; Nov. 24.
McManus, John H. (See Rinehart, E., Day, and McManus.)
McMarlin, William J., and L. S. Gunderman, Pittsburgh, Pa. Mechanical exercising device of the motor driven type. 1,823,568; Sept. 15.
McMaster, Archie J., and C. E. Parsons, assignors to G-M Laboratories, Inc., Chicago, Ill. Photo electric tube. 1,831,314; Nov. 10.
McMaster, Samuel B., Columbia, S. C. Football down signal. 1,809,211; June 9.
McMath, John E. (See Townsend, Frank B., assignor.)
McMeans, Frank L., Apollo, assignor of one-half to P. B. Doverspike, Vandergrift, Pa. Cleaning galvanizing pots. 1,821,105; Sept. 1.
McMichael, Floyd J., Brownsville, Tex. Recording instrument. 1,790,996; Feb. 3.
McMichael, Floyd J., Brownsville, Tex. Mask. 1,828,427; Oct. 20.
McMillan Book Company. (See McMillan, John L., assignor.)
McMillan Book Company. (See Unger, Paul O., assignor.)
McMillan, Duncan. (See Paroubek, A. J., and McMillan.)
McMillan, James O., El Dorado, assignor to Air-O-Matic Manufacturing Company, Wichita, Kans. Combined check valve and unloader. 1,789,388; Jan. 20.
McMillan, James O., El Dorado, Kans., assignor to Oil-O-Matic Manufacturing Company. Pump. 1,796,298; Mar. 17.
McMillan, James O., Wichita, Kan. Unloading device. 1,817,698; Aug. 4.
McMillan, John L., assignor to McMillan Book Company, Syracuse, N. Y. Visible-index binder. 1,794,338; Feb. 24.
McMillan, John L., assignor to McMillan Book Company, Syracuse, N. Y. Loose leaf binder. 1,808,727; June 2.
McMillan, John L., assignor to McMillan Book Company, Syracuse, N. Y. Loose leaf binder. 1,825,360; Sept. 29.
McMillan, John L., assignor to McMillan Book Company, Syracuse, N. Y. Shifting plate for loose leaf binders. 1,838,953; Dec. 29.
McMillan, John W., Marshfield, Mass. Display-case scale. Des. 83,635; Mar. 10.
McMillan, Milton, Anaheim, and R. S. MacMillan, Long Beach; said Robert S. MacMillan assignor, by mesne assignments of one-tenth to G. A. Roalfe, Long Beach, Calif. Hammer mill. 1,832,468; Nov. 17.
McMillan, Wesley K., San Francisco, Calif., assignor, by mesne assignments, to American Tractor Equipment Co. Slip tongue for scrapers. 1,811,275; June 23.
McMonies, Frederick J. and W. H., Portland, Oreg. Top ring of golf bags. 1,838,699; Dec. 29.
McMonies, Walter H. (See McMonies, Frederick J. and W. H.)
McMorris, Emil R., Miami Beach, Fla. Battery-corrosion eliminator. 1,796,156; Mar. 10.
McMullan, Samuel, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding apparatus. 1,796,853; Mar. 17.
McMullan, Samuel, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system for material handling apparatus. 1,833,654; Nov. 24.
McMullen, Arthur J., et al. (See McMullen, John, assignor.)
McMullen, Frederick E., assignor to Gleason Works, Rochester, N. Y. Finishing gears. 1,821,188; Sept. 1.
McMullen, Frederick E., and A. P. Slade, assignors to Gleason Works, Rochester, N. Y. Fixture for testing or lapping gears. 1,802,388; Apr. 28.
McMullen, Frederick E., J. E. Gleason, and A. L. Stewart, assignors to Gleason Works, Rochester, N. Y. Method of and apparatus for grinding gears. 1,830,952; Nov. 10.
McMullen, John, Buffalo, N. Y. Running board anchor for railway cars. 1,814,519; July 14.
McMullen, John, assignor of one-fifth to A. J. McMullen, one-fifth to V. J. McMullen, one-fifth to H. L. Ailinger, Buffalo, and one-fifth to J. F. McMullen, Kenmore, N. Y. Shipping automobiles. 1,797,294; Mar. 24.
McMullen, John F., et al. (See McMullen, John, assignor.)
McMullen, Joseph I., Bethesda, Md. Preparing liquid fuel for burning. 1,820,755; Aug. 25.
McMullen, Maurice W., Waterloo, and H. P. Hansen, Mason City, Iowa. Antirobbery machine. 1,823,750; Sept. 15.
McMullen, Vincent J., et al. (See McMullen, John, assignor.)
McMullin, Claud E., St. Louis, Mo., assignor to MacLean-Fogg Lock Nut Co., Chicago, Ill. Bolt. 1,830,554; Nov. 3.
McMurdo, George M., McAlester, Okla. Automobile bumper. 1,836,610; Dec. 15.
McMurray, Francis A. (See Hays, F. K., and McMurray.)
McMurray, Harrie D., Sioux City, Iowa. Vehicle body trunk. 1,815,656; July 21.
McMurray, Walter E., assignor to Clearfield Machine Company, Clearfield, Pa. Grinding and mixing pan. 1,806,077; May 19.
McMurrin, John C., assignor to C. A. Dunham Company, Marshalltown, Iowa. Differential controller. 1,829,807; Nov. 3.
McMurty, Donald H., Los Angeles, Calif. Lawn mower sharpener. 1,829,289; Oct. 27.
McMurty, Edward P., Pasadena, Calif. Universally adjustable tool holder. 1,807,999; June 2.
McNab Absorbolift, Inc. (See McNab, Alexander, assignor.)
McNab, Alexander, Bridgeport, Conn. Boiler circulator. 1,816,335; July 28.
McNab, Alexander, Bridgeport, Conn., assignor to McNab Absorbolift, Inc., New York, N. Y. Air extractor. 1,787,637; Jan. 6.
McNab, Alexander, Bridgeport, Conn., assignor to McNab Absorbolift, Inc., New York, N. Y. Piston device applicable to shock absorbers. 1,792,111; Feb. 10.
McNab, Alexander, Bridgeport, Conn., assignor to McNab Absorbolift, Inc., New York, N. Y. Hydraulic jack or shock absorber for vehicles. 1,829,451; Oct. 27.
McNab, Alexander, Bridgeport, Conn., assignor to McNab Absorbolift, Inc., New York, N. Y. Shock absorber. 1,836,381; Dec. 15.
McNabb, Arthur E., Monessen, Pa. Card holder. 1,832,941; Nov. 24.
McNairy, Jacob W., Erie, Pa., assignor to General Electric Company. Control system. 1,817,756; Aug. 4.
McNairy, Jacob W., Erie, Pa., assignor to General Electric Company. Electroresponsive device and system. 1,824,728; Sept. 22.
McNairy, Jacob W., and J. F. Tritle, Schenectady, N. Y., assignors to General Electric Company. Electromagnetic device. 1,837,977; Dec. 22.
McNally, James G. (See Sheppard, S. E. and McNally.)
McNally, Joseph F. (See Toomey, P. F., and McNally.)
McNally, Thomas, Massillon, Ohio. Ingot mold. 1,818,236; Aug. 11.
McNally, Thomas, Pittsburg, Kans. Attachment for wheels. 1,821,269; Sept. 1.
McNally, William J., assignor to Dennison Manufacturing Company, Framingham, Mass. Inlay pad and making same. 1,838,103; Dec. 29.
McNamara, John F., Chicago, Ill. Drying form. 1,836,270; Dec. 15.
McNary, Robert R. (See Midgley, T., jr., Henne, and McNary.)
McNaught, Norris F., assignor to Duro Metal Products Company, Chicago, Ill. Valve seat reconstruction tool. 1,825,007; Sept. 29.

McNaught, Norris F., and E. H. Peterson, assignors to Duro Metal Products Company, Chicago, Ill. Socket-wrench kit. 1,788,535; Jan. 13.
McNaught, Norris F., and E. H. Peterson, assignors to Duro Metal Products Company, Chicago, Ill. Hatchet lever. 1,798,481; Mar. 17.
McNaught, Norris F., and E. H. Peterson, assignors to Duro Metal Products Company, Chicago, Ill. Ratchet lever. 1,798,482; Mar. 31.
McNaught, Robert P., San Francisco, Calif. Constant compression combustion engine. 1,828,976; Oct. 27.
McNaughton, William B., Fairfield, assignor to The Grant Manufacturing and Machine Company, Bridgeport, Conn. Rotatable head for rivet-spinning machines. 1,790,829; Feb. 3.
McNeal, Daniel R., Abington, assignor to Andale Engineering Company, Philadelphia, Pa. Heater or cooler. 1,811,402; June 23.
McNeal, Daniel R., Abington, assignor to Andale Company, Philadelphia, Pa. Rotary strainer. 1,826,361; Oct. 6.
McNeal, Edward K., Forestville, N. Y. Cap connecter for containers. 1,836,811; Dec. 15.
McNeff, John, and S. Hogan, Pyote, Tex. Blow out preventing device and oil saver for drilling rigs. 1,810,431; June 16.
McNeil Boiler Company, The. (See Engstrom, Ernest P., assignor.)
McNeil Boiler Company, The. (See Worley, George I., assignor.)
McNeil, Claude P. (See Rogers, F. M., and McNeil.)
McNeil, Duncan, St. Helens, Oreg. Combined gaining and boring machine. 1,802,824; Apr. 28.
McNeil, James, Pittsburgh, Pa. Electrically heated scraper. 1,809,718; June 9.
McNeil, James E., Raleigh, Tenn. Oil tank gauge. 1,817,457; Aug. 4.
McNeil, James S., Detroit, Mich. Automobile traveling road map device. 1,823,209; Sept. 15.
McNeill, George A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 1,816,601; July 28.
McNeill, George K. (See Smith, C. J., McNeill, and Dolding.)
McNeill, Ralph W., Denver, Colo., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,802,770; Apr. 28.
McNeish, Arthur W. (See Anderson, D. M., and McNeish.)
McNish, Alexander F., Perth, assignor of one-half to John Moncrieff Limited, Perth, Scotland. Paddle mechanism for circulating molten glass. 1,792,386; Feb. 10.
McNish, Alexander F., assignor of one-half to J. Moncrieff Limited, Perth, Scotland. Glass furnace forehearth. 1,816,982; Aug. 4.
McNish, Alexander F., assignor of one-half to J. Moncrieff Limited, Perth, Scotland. Rotary machine for manufacturing glass hollow-ware and other molded articles of glass. 1,825,082; Sept. 29.
McNolty, George H., Saskatoon, Saskatchewan, assignor of one-half to A. F. Thomas, Saskatoon, Canada. Movable grain door jamb. 1,813,753; July 7.
McNulty, Thomas E., San Francisco, Calif. Casement fastener. 1,801,284; Apr. 21.
McNutly, Alexis C., Rutherford, N. J. Supporting device. 1,832,315; Nov. 17.
McNutt, Joseph D., assignor, by mesne assignments, to Winchester Repeating Arms Company, New Haven, Conn. Priming mixture. Re18,137; July 28.
McNutt, Joseph D., assignor, by mesne assignments, to Winchester Repeating Arms Company, New Haven, Conn. Priming mixture. 1,800,223; Apr. 14.
McNutt, Joseph D., assignor to Winchester Repeating Arms Company, New Haven, Conn. Priming mixture. 1,825,466; Sept. 29.
McPartland, James H., Houlton, Me. Ball cock valve. 1,839,042; Dec. 29.
McPhail, Gus R. (See Buckle, C. H., and McPhail.)
McPhee, George, assignor to Webb's Beverages (Canada) Limited, Toronto, Ontario, Canada. Bottle. Des. 85,486; Nov. 3.
McPhee, William F., and H. C. Krueger, Chicago, Ill., assignors, by mesne assignments, to T. H. Hulbert. Heat intensifier for boilers. 1,827,033; Oct. 13.
McPherson, John W., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio Coal mining machine. 1,808,053; June 2.
McPherson, William L., U. S. Army, Dover, N. J. Explosive composition. 1,827,895; Oct. 20.
McPhillips, Arthur M., Beloit, Wis. Bar for beater-engine rolls. Re17,971; Feb. 17.
McPhillips, Viola, Memphis, Tenn. Radiator ornament. 1,810,289; June 16.
McQuaid, Harry W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Surface hardening steel. 1,804,176; May 5.
McQuaid, Howard S. (See Walker, H. W., and McQuaid.)
McQuay-Norris Manufacturing Company. (See Smith, Dallas M., assignor.)
McQuay Radiator Corporation. (See Haynsworth, Julius D., assignor.)
McQuay Radiator Corporation. (See Scott, Clifford E., assignor.)
McQuay Radiator Corporation. (See Seelbert, Edward H., assignor.)
McQuay Radiator Corporation. (See Willcox, Jay C., assignor.)
McQueer, Bert H., Fostoria, Ohio, assignor to National Carbon Company, Inc. Bearing. 1,797,833; Mar. 24.
McQuirk, Phil S., Audubon, Iowa. Plaster belt. 1,815,110; July 21.
McQuiston, Raymond C., Newton, and H. von Loesecke, Arlington, assignors to United Fruit Company, Boston, Mass. Treating bagasse and similar fibrous products for the production of pulp and the extraction of cellulose. 1,813,184; July 7.
McQuown, Charles, Detroit, Mich. Rotary engine. 1,819,718; Aug. 18.
McRae, Arthur K. (See Patch, L. W., and McRae.)
McRae, Donald F., San Francisco, Calif. Laying and protecting underground pipe lines. 1,792,855; Feb. 17.
McRae, James, Brooklyn, assignor of one-half to J. Langenhop, Maspeth, Long Island, New York. Equalizing device. 1,790,590; Jan. 27.
McRae, Malcolm W., assignor to Crane Co., Chicago, Ill. Radiator shield. 1,831,361; Nov. 10.
McRae, Martin J., Spokane, Wash. Salt shaker, etc. 1,820,817; Aug. 25.
McRae Pain Products, Inc. (See Hiskey, Daniel R., assignor.)
McRae, Walter L., Euclid Village, and F. F. Kregenow, Cleveland, Ohio. Conduit anchoring. 1,837,626; Dec. 22.
McRae, Walter S., St. David, Ariz. Windmill. 1,820,818; Aug. 25.
McRoberts, Donal C., Detroit, assignor to Morgan & Wright, Detroit, Mich. Holland cloth and its manufacture. 1,823,112; Sept. 15.
McShane, Phelan, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,802,771; Apr. 28.
McSheen, Edward W., Schenectady, N. Y., assignor to General Electric Company. Phonograph apparatus. 1,817,758; Aug. 4.
McSkimming, James, Santa Barbara, Calif. Wire spacing and fastening device. 1,822,781; Sept. 8.
McSpadden, Stonewall J., Alpine, Tex. Builder's straight-wire anchor. 1,799,054; Mar. 31.
McSpedon, William J., jr., Nepera Park, N. Y. Safety gas cock. 1,787,488; Jan. 6.
McTaggart, Daniel B., Butte, Mont. Automatic air line connecter. 1,810,778; June 16.
McVay, Samuel B. E., and A. M. D. Martin, assignors to Buffalo Box Factory, Buffalo, N. Y. Container. 1,791,367; Feb. 3.
McVay, Samuel B. E., and A. M. D. Martin, assignors to Buffalo Box Factory, Buffalo, N. Y. Container. 1,791,422; Feb. 3.
McVeety, Charles, Cheltenham, Pa. Automobile ventilator. 1,834,167; Dec. 1.
McVeigh, Charles A., San Francisco, Calif. Toothbrush. 1,196,893; Mar. 17.
McVey, Elmer E. (See Evans, J. D., McVey, and McAllister.)
McVey, Elmer E. (See Isaacs, W., and McVey.)
McWade, Stephen, Cobden, Ontario, Canada. Screw driver. 1,809,719; June 9.
McWain, Eugene E., Los Angeles, Calif. Tile making attachment to vibrating machines. 1,805,180; May 12.
McWane, Arthur T., Birmingham, Ala. Window guard. Re17,978; Feb. 24.
McWane, Arthur T., Birmingham, Ala. Pipe coupling. 1,818,493; Aug. 11.
McWane Cast Iron Pipe Company. (See McWane, James R., assignor.)
McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Plant for and method of manufacturing cast iron pipe and the like. 1,808,366; June 2.
McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Pipe joints. 1,824,560; Sept. 22.
McWane, James R., assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Pipe flask. 1,826,083; Oct. 6.
McWeeny, John L., and W. D. McCord, Chicago, Ill. Resistance unit. 1,789,150; Jan. 13.
McWhirter, William C., Wilkinsburg, assignor to the Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 1,820,756; Aug. 25.
McWhirter, William C., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Machine for controlling railway traffic governing apparatus. 1,823,058; Sept. 15.
McWhirter, William C., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 1,830,803; Nov. 10.
McWhorter, Allie E., Taft, Tex. Combined tool cabinet and workbench. 1,812,890; July 7.
McWhorter, Ellis, Algona, Iowa. Tobacco can. 1,809,742; June 9.
McWilliam, James E. (See Doyle, J. E., and McWilliam.)
McWilliams, Alexander, assignor to Ford Motor Company of Canada, Limited, Ford City, Ontario, Canada. Device useful in the shipping and packing of automobiles. 1,787,870; Jan. 6.
McWilliams, Arthur C., Chicago, Ill. Thermostatic flue regulator. 1,798,431; Mar. 31.
McWilliams, Homer, assignor to Lockwood, Lockwood, Goldsmith & Galt, trustees, Indianapolis, Ind. Severable egg carton. 1,836,100; Dec. 15.
McWilliams, Irwin K. (See Richards, H. I., and McWilliams.)

McWilliams, James B., assignor to Railway Maintenance Corporation, Pittsburgh, Pa. Railway ballast handling machine. 1,815,950; July 28.
McWilliams, Jane C., executrix. (See McWilliams, Rowland.)
McWilliams, John P., and F. Ditchfield, assignors to The Youngstown Steel Door Company, Cleveland, Ohio. Car. 1,806,173; May 19.
McWilliams, Joseph L., San Francisco, Calif. Floor-laying device. 1,788,315; Jan. 6.
McWilliams, Rowland, deceased, New York, N. Y.; J. C. McWilliams, executrix, assignor to Republic Fireproofing Company, Inc., New York, N. Y. Fireproof floor construction. 1,825,237; Sept. 29.
Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Range. Des. 83,001; Jan. 6.
Meachem, Ernest A., Oakland, Calif. Saw filing machine. 1,828,150; Oct. 20.
Meacham, William M., Seattle, Wash. Method of and apparatus for pressure concrete molding. 1,811,950; June 30.
Meacher, Wyatt, London, England. Machine for removing the surface scale from metal plates. 1,804,537; May 12.
Mead, Brian. (See Coleman, S. P., and Mead.)
Mead, Charles H., Beckley, W. Va. Track sanding pipe. 1,830,708; Nov. 3.
Mead, Charles M., Los Angeles, Calif. Attached shirt collar support. 1,837,567; Dec. 22.
Mead, Earl G., and W. B. Flosse, Cleveland Heights, Ohio. Archery target. 1,837,627; Dec. 22.
Mead, Edward S., assignor of one-half to J. P. Edwards, Philadelphia, Pa. Distillation of coal. 1,827,896; Oct. 20.
Mead, George J., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Device for cutting rubber tubes. 1,813,246; July 7.
Mead, Harry L., Brewster, Fla., assignor to American Cyanamid Company, New York, N. Y. System and method of hydraulic mining. 1,810,571; June 16.
Mead, Homer A., Turlock, Calif. Oil retaining dip. 1,837,825; Dec. 22.
Mead, Howard C., Cleveland, assignor to Delco Remy Corporation, Dayton, Ohio. Head lamp for vehicles. 1,788,728; Jan. 13.
Mead Johnson & Company. (See Bills, Charles E., assignor.)
Mead, Larkin J., assignor to Aurora Corset Company, Aurora, Ill. Combination corset and brassière. 1,836,382; Dec. 15.
Mead-Morrison Manufacturing Company. (See Snow, Frederick O., jr., assignor.)
Mead Paperboard Corporation. (See Zimmerman, Walter J., assignor.)
Mead Pulp and Paper Company, The. (See Rawling, Francis G., assignor.)
Mead Research Engineering Company, The. (See Zimmerman, Walter J., assignor.)
Mead, Richard R., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 1,824,911; Sept. 29.
Mead, Sallie P. (See Carson, J. R., and Mead.)
Mead, Stuart P., Tacoma, Wash. Scupper. 1,800,556; Apr. 14.
Meade, Harold W., Yeddo, Ind. Automatic spark control. 1,818,079; Aug. 11.
Meade, J. A. (See George, William B., assignor.)
Meade, John N., Denver, Colo., assignor to The Rail Joint Company, New York, N. Y. Toeless rail joint bar. 1,811,951; June 30.
Meader, John F., New York, N. Y. Gas combustion apparatus. 1,815,322; July 21.
Meader, Ralph I., Lynbrook, N. Y. Table for tape printing telegraph. Des. 85,194; Sept. 22.
Meader, Ralph I., Lynbrook, N. Y. Apparatus for moistening and cutting gummed tape, labels, etc. 1,834,632; Dec. 1.
Meadowcroft, Joseph W., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Electric welding apparatus. 1,794,789; Mar. 3.
Meadowcroft, Joseph W., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Door and method of constructing same. 1,796,114; Mar. 10.
Meadows, John J., New York, N. Y. Railway-switch-control apparatus. 1,789,108; Jan. 13.
Meadows, W. R., Incorporated. (See Brown, Arthur E., assignor.)
Meagher, John R., assignor to Carborundum Company, Niagara Falls, N. Y. Method and apparatus for controlling electric circuits. 1,788,401; Jan. 13.
Meaker Company, The. (See Miller, Constantine G., assignor.)
Meakin, Edgar T., Berkeley, Calif. Manufacturing olive oil. 1,814,005; July 14.
Mealy, Charles A., West Barrington, assignor to The Hadley Company, Inc., Providence, R. I. Watch bracelet. Des. 83,336; Feb. 17.
Mealy, Charles A., West Barrington, assignor to The Hadley Company, Inc., Providence, R. I. Watch bracelet. Des. 85,051; Sept. 8.
Mealy, Charles A., West Barrington, assignor to The Hadley Company, Inc., Providence, R. I. Watch-bracelet connecter. 1,798,619; Mar. 31.
Mealy, Charles A., West Barrington, assignor to the Hadley Company, Inc., Providence, R. I. Bracelet construction. 1,820,576; Aug. 25.
Means, Thomas H., Los Angeles, Calif., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Device for renovating feathers and the like. 1,835,511; Dec. 8.
Means, Winthrop J., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistance unit. 1,832,466; Nov. 17.
Meany, James M., Portland, Oreg., and J. H. Dickinson, Winter Park, Fla. Aerial hoisting and hauling apparatus of the form commonly known as canyon skidders. 1,789,472; Jan. 20.
Meara, Charles W., San Mateo, Calif. Building wall. 1,818,416; Aug. 11.
Mears, Atherton H., assignor to Leeds & Northrup Company, Philadelphia, Pa. Speed-control apparatus. 1,797,510; Mar. 24.
Mears, Charles W., and H. Eisele, Cleveland, Ohio; said Eisele assignor to said Mears. Device for extinguishing and holding cigarettes. 1,810,492; June 16.
Mears, Henry S., Portland, Oreg. Rope structure. 1,803,912; May 5.
Mears, Henry S., Portland, Oreg., assignor to International Harvester Company. Former for combination fiber paper twine. 1,832,942; Nov. 24.
Mears, Norton A. (See Hynes, D. P., and Mears.)
Mears, Norton A., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Hinge. 1,794,790; Mar. 3.
Mears, Norton A., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Hinge. 1,799,309; Apr. 7.
Mears, Norton A., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Hinge. 1,799,310; Apr. 7.
Mears, Norton A., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood latch. 1,824,912; Sept. 29.
Mears, Norton A., and D. P. Hynes, assignors to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood latch. 1,809,720; June 9.
Mears, Norton A., and D. P. Hynes, assignors to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood latch. 1,820,238; Aug. 25.
Mears, Norton A., and D. P. Hynes, assignors to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood latch. 1,829,601; Oct. 27.
Meath, Campbell A., Neodesha, Kans. Toilet seat. 1,817,520; Aug. 4.
Mechanical Development Company. (See Land, Charles H., assignor.)
Mechanical Development Corporation of America. (See Robbins, Azor D., assignor.)
Mechanical Devices Company. (See Sperry, Frank E., assignor.)
Mechanical Engineering Corporation, The. (See MacKenzie, Thomas W., assignor.)
Mechanical Handling Systems. (See Bennett, W. E., and Bishop, assignors.)
Mechanical Manufacturing Company, The. (See Hubbard, James W., assignor.)
Mechanical Manufacturing Company. (See Keebler, Elmer, assignor.)
Mechanical Royalties Corporation. (See Bailey, Henry H., assignor.)
Mechanical Royalties Corporation. (See Bailey, H. H., and Thomas, assignors.)
Mechanical Rubber Company, The. (See Bell, Harry A., assignor.)
Mechanical Rubber Company, The. (See Foster, B. H., and Cook, assignors.)
Mechanical Rubber Company. (See Keys, Walter C., assignor.)
Mechanical Rubber Company, The. (See Saurer, Curt, assignor.)
Mechanite Metal Corporation. (See Meehan, Augustus F., assignor.)
Mechau, Robert, assignor to the Firm Carl Zeiss, Jena, Germany. Device for ascertaining the opacity of blackened portions of photographic plates. 1,821,391; Sept. 1.
Mechdovits, Bernat, New York, N. Y. Apparatus for casting bars for buckles. 1,820,757; Aug. 25.
Mechetti, Giovanni, Rochester, N. Y. Automatic automobile control. 1,823,950; Sept. 22.
Mechling, Thomas J. (See Ewing, L. R., and Mechling.)
Mechling, William H., Whitemarsh, Pa. Elevator safety device. 1,798,165; Mar. 31.
Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 83,273; Feb. 10.
Mecklenburg, Richard J., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Overshoe and making same. 1,820,149; Aug. 25.
Mecucci, Prospero, Rome, Italy. Tracing and copying or manifolding apparatus. 1,800,312; Apr. 14.
Medaris, Le Roy. (See Besal, J. A., and Medaris.)
Medean, Charles A., jr., Inglewood, Calif. Bolt cutter. 1,818,237; Aug. 11.
Medholdt, Louis T., assignor to Mattison Machine Works, Rockford, Ill. Feed mechanism. 1,803,973; May 5.
Medin, Harry A., Minneapolis, Minn. Machine for making infusions of coffee and other material. 1,837,368; Dec. 22.
Mednikoff, Nicolai, Scarsdale, N. Y. Piano attachment. 1,812,706; June 30.

Medveczky, Julius F., Redwood City, Calif. Watering flowerpots. 1,815,676; July 21.
Medville, Albert B., assignor to Auto Radiator Manufacturing Company, Chicago, Ill. Radiator core. 1,802,263; Apr. 21.
Medville, Albert B., assignor to Auto Radiator Manufacturing Company, Chicago, Ill. Radiator core. 1,821,562; Sept. 1.
Meehan, Albert, and E. Gray, New York, N. Y. Glove stretching device. 1,807,070; May 26.
Meehan, Augustus F., assignor to Meehanite Metal Corporation, Chattanooga, Tenn. Alloy for manufacture of cast iron. 1,790,552; Jan. 27.
Meehan, Francis X., assignor of one-half to A. D. Luehrman, St. Louis, Mo. Exercising belt for massaging machines. 1,812,891; July 7.
Meehan, George F., New York, N. Y. Fish lure. 1,832,037; Nov. 17.
Meehan, James L., Ashland, Ky. Amusement device. 1,811,758; June 23.
Meehan, Paul A., Cleveland, Ohio, assignor, by mesne assignments, to Swindell-Dressler Corporation, Pittsburgh, Pa. Annealing furnace. 1,808,000; June 2.
Meek, Carl J., St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon soles. 1,824.962; Sept. 29 .
Meeker, John H., Somerville, N. J., and E. K. Skonberg, Brooklyn, N. Y. Power hammer. 1,827,877; Oct. 20.
Meeker, Lloyd. (See Hudkins, Clyde, assignor.)
Meeks, Martha W., and A. C. Alt, Compton, Calif. Brassière. 1,821,353; Sept. 1.
Meeks, Thomas H., et al. (See Hitchcock, Guy F., assignor.)
Meem, James C., Brooklyn, N. Y. Conveyer apparatus. 1,823,370; Sept. 15.
Meer, Edward F., Monrovia, Calif. Packing fruit. 1,829,230; Oct. 27.
Meerse, Jacob. (See Hunter, John C., assignor.)
Meerson, Semion. (See Braunstein, S., and Meerson.)
Meese, Frank, Chicago, Ill. Lead and rule cutter. 1,808,054; June 2.
Meffert, Hermann. (See Pink, Leonhard, assignor.)
Meggitt, Robert F., Cheboygan, Mich. Fly swatter. 1,820,360; Aug. 25.
Megley, Harley J., Chicago, Ill. Printing means. 1.838,779; Dec. 29.
Meglitz, William B. (See Sleeper, C. W., Meglitz, and Parker.)
Meglitz, William B., Berlin, N. H., assignor to Brown Company, Berlin, N. H. Expanding pulley. 1,838,104; Dec. 29.
Mego, Joseph, West Orange, N. J. Air float. 1,836,928; Dec. 15.
Mehan, Thomas O., Chicago, Ill. Total key mechanism. 1,835,170; Dec. 8.
Mehline, Emil O., Alameda, assignor to V. V. Kunkel, Oakland, Calif. Metallic tile. 1,820,624; Aug. 25.
Mehlum, Casper, Waltham, Mass. Machine for rolling tubes. 1,837,879; Dec. 22.
Mehren Lock Company. (See Von Mehren, Oswald D., assignor.)
Mehrkens, Fred. (See Johnson, Ernest W., assignor.)
Meibers, Harry B., Springfield, Ohio. Puzzle. 1,803,763; May 5.
Meier, Axel W., Menasha, Wis. Insert for automobile springs. 1,822,816; Sept. 8.
Meier, Charles. (See Wettig, T. A., and Meier.)
Meier, Charles H., Postville, Iowa. Thistle exterminator. 1,802,264: Apr. 21.
Meier, Charles, Haverhill, Iowa. Transporting structure for grain binders. 1,837,056; Dec. 15.
Meier, Charles, and T. A. Wettig, assignors to The Acme Machine Tool Company, Cincinnati, Ohio. Tapering attachment for machine tools. 1,797,991; Mar. 24.
Meier, Ernst, assignor to Braunschweiger Hüttenwerk G. m. b. H., Brunswick, Germany. Apparatus for mechanically combining metallic and nonmetallic matter. 1,797.992; Mar. 24.
Meier, Frederic, Chicago, Ill. Method and apparatus for forming can tops. 1,826,559; Oct. 6.
Meier, George, assignor to The Regina Corporation, Rahway, N. J. Handle latch for vacuum cleaners. 1,791,423; Feb. 3.
Meier, Hans, New York, N. Y. Adjustable portière hanger. 1,823,909; Sept. 22.
Meier, Karl H., Zurich, assignor of one-half to W. Huessy, Aarburg, Switzerland. Continuous clock winder and overwind preventer. 1,788,729; Jan. 13.
Meigs, Basil, Washington, D. C. Wheel construction. 1,817,699; Aug. 4.
Meigs, Joseph V., Brooklyn, N. Y., assignor to Meigsoid Corporation, Jersey City, N. J. Resinous condensation product and making same. 1,801,052; Apr. 14.
Meigs, Joseph V., Boston, Mass., assignor to Meigsoid Corporation, Jersey City, N. J. Carbohydrate product and making same. 1,801.053; Apr. 14.
Meigs, Joseph V., Boston, Mass., assignor to Meigsoid Corporation, Jersey City, N. J. Artificial resin and making same. 1,832,038; Nov. 17.
Meigsoid Corporation. (See Meigs, Joseph V., assignor.)
Meilink, Charles F. (See Kells, H., and Meilink.)
Meilink, Charles F., assignor to The Meilink Steel Safe Company, Toledo, Ohio. Safe double-wall structure. 1,796,385; Mar. 17.

Meilink Steel Safe Company, The. (See Kells, H., and Meilink, assignors.)
Meilink Steel Safe Company, The. (See Meilink, Charles F., assignor.)
Meilner, Joseph, West Orange, N. J., assignor to Eagle Pencil Company, New York, N. Y. Mechanical pencil. 1,793,237; Feb. 17.
Meinecke & Company. (See Schneider, Ralph F., assignor.)
Meingast, Rudolf, and M. Mugdan, assignors to Consortium Fuer Elektrochemische Industrie, Munich, Germany. Manufacturing acetic anhydride. 1,817,318; Aug. 4.
Meinken, John, St. Paul, assignor of one-half to E. E. Johnson, Minneapolis, Minn. Relief valve. 1,800,463; Apr. 14.
Meinken, John, St. Paul, and E. E. Johnson, Minneapolis, Minn. Relief valve. 1,821,189; Sept. 1.
Meis, Helmuth. (See Tschunkur, E., and Meis.)
Meiselbach, August D., assignor of one-half to W. J. Sandberg, Chicago, Ill. Filling boards. 1,792,856; Feb. 17.
Meiselbach, August D., assignor of one-half to W. J. Sandberg, Chicago, Ill. Strip-corrugating machine. 1,793,629; Feb. 24.
Meiser, Josef, Dortmund, Germany. Iron coffer-dam pile. 1,837,787; Dec. 22.
Meissner, Alexander. (See von Arco, G., and Meissner.)
Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Indicating changes in gases. 1,789,369; Jan. 20.
Meissner, Alexander, assignor to Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Method and means to damp mechanically-vibrating bodies. 1,794,723; Mar. 3.
Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Hallesches, Berlin, Germany. Converting electrical oscillations into mechanical movement. 1,804,838; May 12.
Meissner, Alexander, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Oscillation generation. 1,805,918; May 19.
Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Eliminating disturbances in receiving wireless telegraphy and telephony. 1,809,134; June 9.
Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., H., Berlin, Germany. Radio direction finding. 1,818,639; Aug. 11.
Meissner, Alexander, and O. von Bronk, assignors to Gesellschaft fur Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Indicator. 1,814,399; July 14.
Meissner, Gustav E., New York, N. Y. Child's lamp. Des. 83,739; Mar. 24.
Meissner, Gustav E., New York, N. Y. Teapot. Des. 83,824; Mar. 31.
Meissner Manufacturing Company, The. (See Meissner, William O., assignor.)
Meissner, Theodor. (See Thiess, K., Meissner, and Heyna.)
Meissner, Theodor. (See Thiess, K., and Meissner.)
Meissner, Theodore. (See Thiess, K., Meissner, and Zerweck.)
Meissner, William O., assignor to The Meissner Manufacturing Company, Chicago, Ill. Coil winding machine. 1,806,697; May 26.
Meissner, William P., Cuero, Tex. Portable grinding and resurfacing device. 1,823,371; Sept. 15.
Meister, Albert R., Sacramento, Calif. Motor vehicle. 1,795,731; Mar. 10.
Meister, John Herbert, Bend, assignor to Electric Steel Foundry Companying, Portland, Oreg. Apparatus for and method of moving material. 1,797,063; Mar. 17.
Meitzler, Charles R., assignor of one-half to O. H. Pieper and one-half to A. F. Pieper, Rochester, N. Y. Surgical instrument. 1,817,417; Aug. 4.
Meiwald, Franz, Vienna, Austria Machine for knitting tubular envelopes. 1,814,324; July 14.
Mekeel, Van Cortright, Oak Park, Ill. Reversible dipper tooth. 1,805,527; May 19.
Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Heating and furnace used therewith. 1,828.373; Oct. 20.
Mekota, John E. (See Carlon, John, assignor.)
Melazzo, Giovanni, Naples, Italy. Synchronous motor-driven converter. 1.838.629: Dec. 29.
Melbye, Oskar, Sedro Woolley, Wash. Shears. 1,832,495; Nov. 17.
Melcher, Franz, Vienna, Austria. Hull or body of craft. 1,801,875; Apr. 21.
Melcher, Franz, and E. Schneider, Vienna, Austria. Blade of screw propellers. 1,800,313; Apr. 14.
Melcher, Lee W., De Pere, Wis., assignor to Fafnir Bearing Company, New Britain, Conn. Method and apparatus for casting journal boxes. 1,817,388; Aug. 4.
Melcher, Lee W., Winnetka, Ill. Air conditioning apparatus. 1,825,808; Oct. 6.
Melcher, Walter P., Chicago, Ill. Cutting implement. 1,821,718; Sept. 1.
Melchionna, Frank A., Cincinnati, Ohio. Turn shoe structure. 1,809,247; June 9.
Melcsok, Alois F., New York, N. Y. Railroad collision safety device. 1,830,670; Nov. 3.
Meletio, Monroe L., Washington, D. C. Mount for range finders or other attachments. 1,828,541; Oct. 20.
Melhardt, Hans. (See Hofmeister, F., and Melhardt.)

Melhuish, Laurence E., Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Railway traffic controlling system. 1,811,857; June 30.
Melick, John M., Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collection apparatus. 1,818,568; Aug. 11.
Melin, William, Flint, Mich. Pipe wrench. 1,808,001; June 2.
Melind, Louis, Chicago, Ill. Stamp. 1,788,681; Jan. 13.
Melish, Thomas G., Cincinnati, Ohio. Anode container. 1,792,998; Feb. 17.
Melish, Thomas G., Cincinnati, Ohio. Flour sifter. 1,802,923; Apr. 28.
Melish, Thomas G., Cincinnati, Ohio. Flour sifter. 1,835,235; Dec. 8.
Melish, Thomas G., assignor to The Cincinnati Patent Engineering Company, Cincinnati, Ohio. Lamp bulb. 1,796,530; Mar. 17.
Melkman, Saul E., Montreal, Quebec, Canada, assignor to Thelma Carburator Company, Societe Anonyme, Brussels, Belgium. Carburetor. 1,809,387; June 9.
Mellander, Jean, Brussels, Belgium. Propeller for helicopterous aircraft. 1,818,238; Aug. 11.
Mellano, Aimable V., Thames Ditton, England. Pneumatic seat, cushion and the like. 1,823,569; Sept. 15.
Mellanoff, Isadore S., Philadelphia, Pa., assignor to Kemikal, Inc. Plastic from natural resin, phenol, aldehyde, and alkali. 1,804,379; May 5.
Mellberg, Paul W., Detroit, Mich. Heating means for airplane wings. 1,795,664; Mar. 10.
Meller, Harry B., and S. A. Bockius, Pittsburgh, Pa. Dust and soot separator. 1,790,481; Jan. 27.
Mellers, James H., and J. R. Young, jr., Compton, Calif. Gas torch. 1,830,067; Nov. 3.
Mellin, Max., Wiesdorf-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Dispensing device for small commodities. 1,816,542; July 28.
Melling, George, Jackson, Mich. Milling and drilling machine. 1,812,601; June 30.
Melling, Herbert T., New York, N. Y. Transport valve. 1,789,340; Jan. 20.
Mello, Enos V. (See Costa, F. I., and Mello.)
Melio, James, Chicago, Ill. Valve for flush tanks. 1,838,429; Dec. 29.
Mellon, James A., assignor to American Engineering Company, Philadelphia, Pa. Davit winch. 1,806,482; May 19.
Mellon, James A., assignor to American Engineering Company, Philadelphia, Pa. Hand operated windlass. 1,827,597; Oct. 13.
Mellor, Frederic W. (See Hirons, F. C., Mellor, and Alvord.)
Mellor, Gilmore M., Oak Park, Ill., assignor to The American Oak Leather Company, Cincinnati, Ohio. Tap for shoes. 1,811,473; June 23.
Mellor, Horace, assignor to Sanford Mills, Sanford, Me. Pile fabric and making the same. 1,812,602; June 30.
Mellor, Horace, assignor to Sanford Mills, Sanford, Me. Pile fabric and making the same. 1,835,316; Dec. 8.
Mellor, John, Bay Head, N. J. Packing for reciprocating or rotating members. 1,798,268; Mar. 31.
Mellor, John, Bayhead, N. J. Metallic packing. 1,809,056; June 9.
Mellowes, Alfred W., assignor of one-half to E. B. H. Tower, jr., Milwaukee, Wis. Air cooling and water freezing evaporator for mechanical refrigerating apparatus. 1,833,846; Nov. 24.
Mellquist, Jonas H., Stockholm, Sweden. Applying protective layers on metals or other electric conductors. Re18,030; Apr. 7.
Mellquist, Wesley E. (See Beechlyn, J. T., assignor, and Sjogren.)
Melms, John D., Portsmouth, Va. Rescue device for submarines. 1,803,199; Apr. 28.
Meloche, Daniel H., Bronxville, assignor to American Radiator Company, New York, N. Y. Casting. 1,789,943; Jan. 20.
Meloche, Daniel H., assignor to American Radiator Company, New York, N. Y. Furnace treatment of metal and metalliferous material. 1,831,254; Nov. 10.
Meloche, Daniel H., assignor to American Radiator Company, New York, N. Y. Apparatus for furnace treatment of metal and metalliferous material. 1,834,630; Dec. 1.
Meloney, Charles W. (See Cramer, C. G., Meloney, and Urban.)
Melott, John, Los Angeles, Calif. Blow-out preventer. 1,800,694; Apr. 14.
Meloy, Guy S., Lanham, Md. Device for sampling bulk material. 1,789,246; Jan. 13.
Melton, Burton E., Chicago, Ill. Headlight. 1,814,326; July 14.
Melton, Henry E. (See Russell, J. L., and Melton.)
Meltzer, Walter D., near Shelbyville, Ind. Corn-turner-adjusting means. 1,792,857; Feb. 17.
Melville, Alexander, K. Dundas, and R. A. Whitson, Glasgow, Scotland. Manufacture, centrifugally, of pipes and other hollow articles. 1,819,188; Aug. 18.
Melville, Herbert J., assignor to Wm. Wrigley, Jr., Company, Chicago, Ill. Box wrapping machine. 1,822,054; Sept. 8.
Melvin, Edward P., et al. (See Rice, Merrit H., assignor.)
Melvin, John F., jr., New York, N. Y. Sound recording apparatus. 1,834,168; Dec. 1.
Melzer, Martha, Leipzig, Germany. Stretcher. 1,795,435; Mar. 10.
Melzer, Otto. (See Wahl, J., and Melzer.)
Menard, Henry W., Los Angeles, Calif. Ornamental tree. Des. 85,590; Nov. 17.
Menasha Products Company. (See Horwitt, Paul H., assignor.)
Mendel, Alfred, and E. Kleinmann, Berlin-Lichtenberg, Germany. Hair slide. 1,828,254; Oct. 20.
Mendel, Sam, Manchester, H. Aaronson, executor, Charlton-on-Medlock, Manchester, England. Automatic safety apparatus for gas-lighting and gas-heating appliances. 1,838,185; Dec. 29.
Mendel, William, Beverly, N. J. Trade marking carbon paper. 1,828,374; Oct. 20.
Mendell, Alfred, Glendale, assignor to Mendell Candies, Inc., Brooklyn, N. Y. Display card. 1,794,311; Feb. 24.
Mendell Candies, Inc. (See Mendell, Alfred, assignor.)
Mendelson, Jacob, Council Bluffs, Iowa. Towing motor vehicles and the like. 1,820,314. Aug. 25.
Mendenhall, Charles H., Homer, La. Cant hoister. 1,827,034; Oct. 13.
Mendenhall, Earl. (See Johnson, C. E., and Mendenhall.)
Mendius, William. (See Tifft, T. D., and Mendius.)
Mendius, William, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Refining hydrocarbons. 1,812,446; June 30.
Mendius, William, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Distillation and cracking of oil. 1,836,181; Dec. 15.
Mendosa, John A., Manteca, Calif. Combination buckle and fastener for overalls. 1,822,357; Sept. 8.
Menefee, Thomas W. (See Craig, Richard M., assignor.)
Meneley, Fred L., Glendale, Calif. Curtain fitting means. 1,836,484; Dec. 15.
Menge, Anton C., New Orleans, La. Filter. 1,800,093; Apr. 7.
Menger, Adolf, Krefeld-Bockum, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Adhesive. 1,798,097; Mar. 24.
Menges, Albert C., deceased, Denver, Colo., by L. E. Menges, administratrix, Denver, Colo., assignor by mesne assignments, to General Motors Research Corporation, Detroit, Mich. Lubricating system for motor vehicles. 1,797,358; Mar. 24.
Menges, Lillie E., administratrix. (See Menges, Albert C.)
Menges, Theodore C., assignor to Associated Manufacturers Company, Waterloo, Iowa. Carburetor. 1,791,318; Feb. 3.
Meninno, Vincent, Nashua, N. H. Shoe heel base. 1,829,150; Oct. 27.
Menk, Rudolph W., Joliet, Ill. Sectional boiler furnace. 1,822,707; Sept. 8.
Menke, Adolf, Oakland, Calif. Soldering iron. 1,831,819; Nov. 17.
Menke, Edward W., and E. A. Marsh, Chicago, Ill., assignors, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Automatic charge forming and feeding device. 1,806,110; May 19.
Menking, Heinz, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Improving magnesium alloys. 1,802,265; Apr. 21.
Menkus, Ben. (See Menkus, Morris and B.)
Menkus, Morris and B., Los Angeles, Calif. Toy. 1,815,378; July 21.
Mennie, Fred L., Omaha, Nebr. Composition of matter for treating solid fuel. 1,799,631; Apr. 7.
Menniges, Michael B., St. Louis, Mo. Speed controlling means for engines. 1,825,701; Oct. 6.
Menninger, Edward A., and W. R. Thompson; said Menninger assignor, by mesne assignments, to The Tompax Manufacturing Company, Cincinnati, Ohio. Cup-filling device. 1,790,626; Jan. 27.
Menninger, Elmore W., Los Angeles, Calif. Furring construction. 1,816,387; July 28.
Menninger, Elmore W., Los Angeles, Calif. Furring construction. 1,832,231; Nov. 17.
Menough, Paul S., Pittsburgh, Pa. Process of annealing and heat treating cast iron. 1,803,340; May 5.
Menschner, Johannes, Rossweni, assignor to the Firm Kock & Te Kock, Voigtland, Germany. Picking the weft threads in looms for wearing preparatory chenilles. 1,805,046; May 12.
Mensforth, Thomas, Middleton, St. George, England. Foot attachment for pit props or steel arches employed as colliery or mining roof supports. 1,821,020; Sept. 1.
Mensik, Albert S., Chicago, Ill. Screen frame. 1,797,511; Mar. 24.
Mensing, Carl E., Bridgewater Township, Somerset County, N. J., assignor, by mesne assignments, to The Calco Chemical Company, Inc. Beta-naphthol pellet. 1,798,166; Mar. 31.
Mensman, Charles J., Washington, D. C. Phonograph record. 1,812,751; June 30.
Mensman, Charles J., Washington, D. C. Optical simulation of ruled lines. 1,837,979; Dec. 22.
Menten, Pedro, Sao Paulo, Brazil. Container for packing glass capsules such as are used for holding medicinal substances. 1,803,028; Apr. 28.
Mentges, John, Sidney, Ohio, assignor to Dexter Folder Company, New York, N. Y. Folding machine. 1,833,296; Nov. 24.)

Mentink, Anthony J., Troy, Ohio. Sign. 1,788,468; Jan. 13.
Mentmore Manufacturing Company, The. (See Sweetser, George, assignor.)
Menton, Joseph B., Detroit, Mich., assignor to The Murray Corporation of America. Securing foot mats on running boards of automotive vehicles. 1,833,584; Nov. 24.
Menz, Hermann, Berlin-Baumschulenweg, Germany. Air cleaner for carburetors. 1,802,729; Apr. 28.
Menzel, Friedrich, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electric switch. 1,820,361; Aug. 25.
Menzer, Joseph G. (See Khoury, H. E., and Menzer.)
Menzies, John, New Haven, Conn. Golf club shaft and the like. 1,831,255; Nov. 10.
Menzies, William C., Scranton, Pa. Coal-washing apparatus. 1,790,107; Jan. 27.
Mercadante, Joseph. (See Thomson, Alfred M., assignor.)
Mercedes Büro - Maschinen - und Waffen - Werke. (See Schulze, Max, assignor.)
Mercedes Buromaschinen-Werke Aktiengesellschaft. (See Knoll, Hans, assignor.)
Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Lubricator. 1,815,111; July 21.
Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Boring tool. 1,821,473; Sept. 1.
Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Boring tool. 1,821,474; Sept. 1.
Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling mechanism. 1,834,595; Dec. 1.
Mercer, Herman A., Arkansas City, Kans. House number. 1,799,055; Mar. 31.
Mercer, Richard, Harrow, England, assignor to Associated Telephone & Telegraph Company, Kansas City, Mo. Telephone system. 1,805,778; May 19.
Merchant, Donald. (See Kerr, A. G., and Merchant.)
Merchants Advertising Company. (See Mott, John E., assignor.)
Mercier, Jean, Paris, France. Apparatus for the depolymerization of hydrocarbons. 1,831,185; Nov. 10.
Mercier, Warren C. (See Parkerton, Clarence E., assignor.)
Mercier, Yves, assignor to l'Air Liquide, Societe Anonyme pour l'Etude & l'Exploitation des Procedes Georges Claude, Paris, France. Electric arc treatment of liquid hydrocarbons. 1,830,615; Nov. 3.
Mercil Plating Equipment Company. (See O'Neill, William J., assignor.)
Merck & Co. (See Engels, William H., assignor.)
Merck, Wilhelm, Darmstadt, Germany. Device for opening vials. 1,805,369; May 12.
Merckel, Charles O., Milwaukee, Wis. Rod holder. 1,788,536; Jan. 13.
Merckelbach, Wanda, née Werner, Flushing, N. Y. Breast beautifier. 1,792,180; Feb. 10.
Mercur, Nathan L. (See Hook, C. H., and Mercur.)
Mercury Manufacturing Company. (See Henkle, John R., assignor.)
Meredith, Frederick W., Farnborough, England. Gyroscopic control system for dirigible craft. 1,826,013; Oct. 6.
Mergenthaler Linotype Company. (See Atkins, Edgar H., assignor.)
Mergenthaler Linotype Company. (See Goldblatt, David, assignor.)
Mergenthaler Linotype Company. (See Hilpman, John H., assignor.)
Mergenthaler Linotype Company. (See Kingsbury, George P., assignor.)
Mergenthaler Linotype Company. (See Mead, Richard R., assignor.)
Mergenthaler Linotype Company. (See Muehleisen, Carl, assignor.)
Mergenthaler Linotype Company. (See Paine, Arthur P., assignor.)
Mergenthaler Linotype Company. (See Rogers, John R., assignor.)
Mergenthaler Linotype Company. (See Rogers, J. R., and Sytz, assignors.)
Mergenthaler Linotype Company. (See Southern, Hugh A., assignor.)
Mergenthaler Linotype Company. (See Straughan, Otis J., assignor.)
Mergentime, Charles B., assignor to I. B. Kleinert Rubber Company, New York, N. Y. Sanitary napkin. 1,829,231; Oct. 27.
Mergott, J. E., Company. (See Hiering, William C., assignor.)
Merian, Frederic, Pittsburgh, Pa., assignor, by mesne assignments, to Pilkington Brothers Limited, Lancashire, England. Apparatus for use in surfacing sheet material. 1,803,434; May 5.
Merica, Paul D., Westfield, J. S. Venick, Elizabeth, and T. H. Wickenden, Roselle, N. J., assignors, by mesne assignments, to The International Nickel Company, New York, N. Y. Gray cast iron. 1,803,480; May 5.
Merica, Paul D., Westfield, N. J., and A. E. Kayes, Huntington, W. Va., assignors, by mesne assignments, to The International Nickel Company, Inc., New York, N. Y. Carbon-free metal. 1,811,696; June 23.
Merickle, Arnold J., West Allis, Wis. Outboard motor for boats. 1,834,068; Dec. 1.
Mericko, Stephen A., Hinckley, Minn. Mouthpiece for pipes. 1,805,880; May 19.
Meriden Gravure Company, The. (See Robinson, Karl D., assignor.)
Meridith, Russell L., East Cleveland, Ohio. Hydrocarbon burner. 1,807,247; May 26.
Merit Water Heater Co. Ltd. (See McKinley, Edwin W., assignor.)
Merk, Friedrich, Frankfort-on-the-Main, Germany. Selector for automatic telephone exchangers. 1,789,489; Jan. 20.
Merk, Friedrich, Frankfort-on-the-Main, Germany. Automatic telephone system. 1,799,175; Apr. 7.
Merkel, Joseph F. (See Beckley, W. R., Church, and Merkel.)
Merkel, Joseph F., Rochester, N. Y., assignor to General Railway Signal Company. Adjustable support for lamp sockets in light signals. 1,822,105; Sept. 8.
Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Illuminated track diagram. 1,824,164; Sept. 22.
Merkel, Joseph F., assignor to Beckley & Church., Inc., Rochester, N. Y. Color attachment for cinema projectors. 1,830,121; Nov. 3.
Merkel, Oskar. (See Askenasy, P., and Merkel.)
Merkle, Arthur J., Dayton, Ohio. Silent drive chain. 1,800,557; Apr. 14.
Merkle, Christian R. E., Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition and preparing same. 1,829,999; Nov. 3.
Merklinger, Frank E. (See Vauclain, C. P., and Merklinger.)
Merkt, Gustav A., assignor to Morgan Construction Company, Worcester, Mass. Recirculating system and apparatus for waste furnace gases. 1,814,567; July 14.
Merle, André N., Vincennes, assignor to Pathe Cinema Anciens Etablissements Pathe Freres, Paris, France. Arrangement of electric lamps in cinematographic apparatus. 1,796,038; Mar. 10.
Merle, André N., Vincennes, assignor to Pathé Cinéma, Anciens Établissements Pathé Fréres, Paris, France. Pocket view-taking cinematographic camera with spring-motor. 1,808,566; June 2.
Merle, André N., Vincennes, assignor to Pathe Cinema Anciens Etablissements Pathe Freres, Paris, France. Loading device for view taking cinematographic apparatus. 1,829,103; Oct. 27.
Merle Centrifugal Processes, Inc. (See Merle, Joseph, assignor.)
Merle, Joseph, Newark, N. J., assignor to Merle Centrifugal Processes, Inc., New York. N. Y. Process and machine for centrifugally extruding and casting substances. 1,817,012; Aug. 4.
Merley, Sylvan R., Dover, N. J., assignor to Doherty Research Company, New York, N. Y. Production of alcohol from olefines. 1,809,788; June 9.
Merley, Sylvan R., Dover, N. J., assignor to Doherty Research Company, New York, N. Y. Separation of secondary alcohols. 1,835,571; Dec. 8.
Merlino, Domenico F., assignor of one-half to Alfonso Borreli, Fresno, Calif. Automatic press for the manufacture of macaroni products. 1,801,967; Apr. 21.
Merlub-Sobel, Menahem. (See Cooper, Hugh S., and Merlub-Sobel.)
Merlub-Sobel, Menahem, New York, N. Y. Detergent. 1,813,247; July 7.
Merriam, Henry F., West Orange, N. J., assignor to General Chemical Company, New York, N .Y. Manufacture of H_2SO_4 from weak SO_2 gas. 1,822,447; Sept. 8.
Merriam, Henry F., West Orange, N. J., assignor to General Chemical Company, New York, N. Y. Recovering sulphur dioxide from exit gas. 1,823,372; Sept. 15.
Merrick, Charles E., Baltimore, Md. Cutter head for meat skinning machines. 1,803,341; May 5.
Merrick, Frank W., Boston, Mass. Lasting and fastening machine. 1,788,841; Jan. 13.
Merrick, Frank W., Boston, Mass. Thread-controlling device for sewing machines. 1,790,591; Jan. 27.
Merrick, Frank W., Boston, Mass. Sewing machine and the like. 1,823,059; Sept. 15.
Merrick, Frank W., Dorchester, assignor to Wonder Weave, Inc., Boston, Mass. Thread tension. 1,788,199; Jan. 6.
Merrick, Frank W., Dorchester, assignor to Wonder Weave, Inc., Boston, Mass. Needle loom. 1,797,962; Mar. 24.
Merrick Scale Mfg. Company. (See Messiter, Edwin H., assignor.)
Merrifield, Maxwell C., Seattle, Wash. Caponizing stretcher. 1,812,892; July 7.
Merrilies, Floy C., Oak Park, Ill. Fender and guard. 1,807,044; May 26.
Merrill, Albert D., Watertown, N. Y. Digesting and cooking liquor preparation system. 1,807,320; May 26.
Merrill, Charles S. (See Whitehead, Robert H., assignor.)
Merrill Company, The. (See Cornell, Mead, assignor.)
Merrill Company, The. (See Mills, L. D., and Crowe, assignors.)
Merrill, Frank W., Fort Wayne, Ind. Electrical regulator. 1,825,079; Sept. 29.
Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Single-unit frequency changer. 1,800,027; Apr. 7.
Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Single-unit frequency changer. 1,800,028; Apr. 7.

Merrill, George S., Shaker Heights, Ohio, assignor to General Electric Company. Variable chart. 1,812,752; June 30.
Merrill, Josiah L., Media, Pa. Electric kiln. 1,829,290; Oct. 27.
Merrill, Leslie M. (See Luce, R. W., and Merrill.)
Merrill, Ralph K., Grand Rapids, Mich. Cushioning shield for retractable seats. 1,820,754; Aug. 25.
Merrill, Ralph K., assignor to American Seating Company, Grand Rapids, Mich. Table. Des. 84,486; June 23.
Merrill, Ralph K., assignor to American Seating Company, Grand Rapids, Mich. School desk. Des. 84,487; June 23.
Merrill, Ralph L., Brooklyn, assignor, by mesne assignments, to Merrill Super-Power System, Inc., New York, N. Y. Apparatus for distilling solid carbonaceous material. 1,828,781; Oct. 27.
Merrill Super-Power System, Inc. (See Merrill, Ralph L., assignor.)
Merrill, Whitney, Brooklyn, N. Y. Connecting tubular articles. 1,797,691; Mar. 24.
Merriman, Arthur G., Philadelphia, Pa. Moving picture cabinet. 1,827,598; Oct. 13.
Merriman Brothers, Inc. (See Merriman, Frank W., assignor.)
Merriman, Frank W., Cambridge, assignor to Merriman Brothers, Inc., Jamaica Plain, Mass. Deck block. 1,837,628; Dec. 22.
Merriman, Isaac B., Barrington, assignor to Manville Jenckes Company, Providence, R. I. Method of and apparatus for printing warp threads. 1,831,969; Nov. 17.
Merriman, Thomas C., Tunstall, England, assignor to W. S. Pitcairn Corporation. Plate or similar article. Des. 85,837; Dec. 22.
Merritt, Arthur A., Worcester, Mass., assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y. Sewing machine feeding mechanism. 1,837,468; Dec. 22.
Merritt, Ericsson H. (See Meyers, Sidney E., assignor.)
Merritt, Floyd C., Los Angeles, Calif., assignor to Elliott Core Drilling Company. Core drill construction. 1,837,469; Dec. 22.
Merritt, John B., Taft, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Special standpipe reinforcing for derricks. 1,796,469; Mar. 17.
Merritt, Robert G., Kensington, Md. Submarine closure. 1,801,358; Apr. 21.
Merritt, Robert G., Kensington, Md. Submarine device. 1,838,566; Dec. 29.
Merritt, Samuel J., Central City, Ky. Control device for pumping apparatus. 1,811,952; June 30.
Merritt, Vernon, Montgomery, Ala. Antifreezing apparatus. 1,834,344; Dec. 1.
Merrow Brothers, Inc. (See Segrin, Oscar E., assignor.)
Merrymon, William W. (See Rentschler, H. C., and Merrymon.)
Merryweather, George E., deceased, Cleveland Heights; L. E. Merryweather, executrix, assignor to The Motch & Merryweather Machinery Company, Cleveland, Ohio. Grinding machinery. 1,813,503; July 7.
Merryweather, Laura E., executrix. (See Merryweather, George E.)
Mersey Paper Company. (See Silvus, William G., assignor.)
Mersfelder, Frederick J., and P. Balze, assignors to M. & B. Manufacturing Co. Inc., Leonia, N. J. Clean out plug. Re18,100; June 16.
Mershimer, Lawrence M., New Castle, Pa. Lighting rod point connection. 1,818,494; Aug. 11.
Mershon, Fred J. (See Cotton, R. C., and Mershon.)
Mershon, Ralph D., New York, N. Y. Operating electrolytic apparatus. 1,814,174; July 14.
Mershon, Ralph, assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,794,975; Mar. 3.
Mershon, Ralph D., New York, and P. A. Ross, Yonkers, N. Y.; said Ross assignor to said Mershon. Electrolytic apparatus. 1,817,200; Aug. 4.
Merté, Willy, assignor to the firm Carl Zeiss, Jena, Germany. Photographic objective. 1,792,917; Feb. 17.
Merte, Willy, assignor to the firm Carl Zeiss, Jena, Germany. Photographic lens. 1,826,362; Oct. 6.
Merten, William J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Purifying metals and the product produced thereby. 1,790,164; Jan. 27.
Merten, William J., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Chromium plated article. 1,835,664; Dec. 8.
Mertens, Stella, Paris, France. Unit element for the packing of fruits, early products, fragile objects, and the like and manufacture of the same. 1,795,788; Mar. 10.
Mertes, Robert G., Cleveland, Ohio, assignor, by mesne assignments, to The Pittsburgh Plate Glass Company, Pittsburgh, Pa. Cup shaped rotary brush. 1,829,665; Oct. 27.
Mertz, Pierre. (See Brand, S., and Mertz.)
Mertz, Pierre, Bellerose Manor, N. Y., assignor to American Telephone and Telegraph Company. Television. 1,806,638; May 26.
Mertzanoff, André M., assignor to American Radiator Company, New York, N. Y. Radiator section. Des. 84,788; Aug. 4.
Mertzanoff, André M., assignor to American Radiator Company, New York, N. Y. Automatic regulating device for boilers. 1,788,582; Jan. 13.
Mertzanoff, André M., assignor to American Radiator Company, New York, N. Y. Automatic regulating device for boilers. 1,788,583; Jan. 13.
Mertzanoff, André M., New York, assignor to American Radiator Company, New York, N. Y. Cooling and ventilating apparatus. 1,796,658; Mar. 17.
Merville, Frank F. (See Dorner, M. J., and Merville.)
Méry, Jean, Epinay, France. Cinematographic view-taking camera of the portable automatic type. 1,792,436; Feb. 10.
Merz, Eduard, South Orange, N. J., assignor to Charlton & Co., New York, N. Y. Cuff button. 1,804,944; May 12.
Merz, John M., assignor to P. C. Sutton, Springfield, Ill. Heating boiler. 1,822,981; Sept. 8.
Merz, Karl, Tiengen, Germany. Compensating oscillating masses. 1,820,239; Aug. 25.
Merz, Louis, Milwaukee, Wis. Burner guard. 1,831,362; Nov. 10.
Merzinger, Eduard, Dresden, Germany. Buckle. 1,796,336; Mar. 17.
Meserve, Forrest C. (See Meserve, William F. and F. C.)
Meserve, William F. and F. C., Salem, N. H. Snow-removing device. 1,790,315; Jan. 27.
Mesinger, Frederick, Mount Vernon, N. Y. Tool holder. 1,801,443; Apr. 21.
Mesinger, Frederick, Mount Vernon, N. Y. Vehicle saddle. 1,803,029; Apr. 28.
Mesinger, Frederick, Mount Vernon, N. Y. Saddle. 1,813,672; July 7.
Mesinger, Henry, Mount Vernon, N. Y. Adjusting means for spring cushioning devices. 1,811,403; June 23.
Mesinger, William F., Indianapolis, Ind., assignor to Prest-O-Lite Co. Inc. Hydraulic flash arrester. 1,825,970; Oct. 6.
Mesker, Louis H., Shaker Heights, assignor to The Cleveland Planer Company, Cleveland, Ohio. Tool lifter. 1,806,696; May 26.
Messer, Abraham, et al. (See Heilweil, Samuel, assignor.)
Messer, Abraham, New York, assignor to J. Schierer, New York, N. Y. Identification seal. 1,810,493; June 16.
Messer, Adolf, Frankfort-on-the-Main, Germany. Separation of air into oxygen and nitrogen by liquefaction. 1,800,353; Apr. 14.
Messer, Edward, Cincinnati, Ohio. Making edible bar brittles. 1,829,568; Oct. 27.
Messer, Robert B., et al. (See Heilweil, Samuel, assignor.)
Messerknecht, Carl. (See Winkler, F., and Messerknecht.)
Messerschmitt, Willy, Augsburg, Germany. Connection between the longitudinal and transverse bracing members in hollow bodies for aircraft. 1,802,438; Apr. 28.
Messerschmitt, Willy, Augsburg, Germany. Single spar aircraft wing. 1,803,030; Apr. 28.
Messick, Charles, Brentwood, N. Y. Run-up train control. 1,835,171; Dec. 8.
Messier, George L. R. J., Montrouge, France. Brake controlling device. 1,821,719; Sept. 1.
Messier, George L. R. J., Montrouge, France. Brake thrust distributor. 1,822,900; Sept. 15.
Messier, George L. R. J., Montrouge, France. Resilient wheel. 1,834,857; Dec. 1.
Messing, Joseph, Philadelphia, Pa. Run mending needle. 1,831,872; Nov. 17.
Messing, Joseph, assignor to Bull Dog Electric Products Company, Detroit, Mich. Fuse block. 1,817,521; Aug. 4.
Messinger, Lester H., jr., assignor to The Black Rock Manufacturing Company, Bridgeport, Conn. Rubber-cutting machine. 1,823,501; Sept. 15.
Messinger, William, Philadelphia, Pa. Securing eccentric motion. 1,812,109; June 30.
Messiter, Edwin H., New York, assignor to Merrick Scale Mfg. Company, Passaic, N. J. Weigher. 1,808,930; June 9.
Messler, Eugene L., Pittsburgh, Pa. Press for plastic materials. 1,808,367; June 2.
Messler, Eugene L., Pittsburgh, and J. Thomas, Sharpsville, Pa. Hot top for ingot molds. 1,803,342; May 5.
Messler, Madge. (See Messler, Matie C., assignor.)
Messler, Matie C., assignor to M. Messler, Providence, R. I. Cushioning insole for boots and shoes. Re18,237; Oct. 27.
Messler, Matie C., assignor to Madge Messler, Providence, R. I. Cushioning insole for boots and shoes. 1,807,341; May 26.
Messmer, Charles A., jr., St. Louis, Mo., assignor to B. W. Freeman, Cincinnati, Ohio. Shoe ornamenting machine. Re18,201; Sept. 22.
Messmer, Charles A., jr., St. Louis, Mo., assignor to B. W. Freeman, Cincinnati, Ohio. Die. Re18,260; Nov. 24.
Messmer, Rodolphe, Montreal, Quebec, Canada. Acoustic device. 1,795,178; Mar. 3.
Messner, John H., Pittsburgh, Pa. Bearing chuck for roller-mill rolls. 1,792,999; Feb. 17.
Messter, Oskar, Berlin, Germany. Method of and device for showing cinematographic pictures. 1,798,335; Mar. 31.
Messter, Oskar, Dahlen, near Berlin, Germany. Roll-film camera. 1,823,751; Sept. 15.
Mesta Machine Company. (See Iversen, Lorenz, assignor.)

Mestice, William R., Newark, N. J. Marine vessel. 1,813,248; July 7.
Mestler, George L. (See Ferngren, E. T., and Mestler.)
Meszar, John, Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,835,802; Dec. 8.
Metal Castings Holding Corporation, The. (See Quinn, Nelson J., assignor.)
Metal Chlorides Corporation. (See Brindley, George F., assignor.)
Metalcraft Corporation, The. (See Conway, Robert E., assignor.)
Metalcraft Heater Corporation. (See Bovey, Sidney J. V., assignor.)
Metalcraft Heater Corporation. (See Harding, J. V., and De Boer, assignors.)
Metalcraft Heater Corporation. (See Roberts, T. M., and Bovey, assignors.)
Metal Door & Trim Company. (See Pearson, J. P., and Zahner, assignors.)
Metal Door & Trim Co. (See Zahner, Edward J., assignor.)
Metalfilters Limited. (See Pickard, Joseph A., assignor.)
Metal Forms Corporation. (See Miller, George H., assignor.)
Metal Forms Corporation. (See Wotnoske, Fred C., assignor.)
Metal Lamp Corporation. (See Kornblum, Morris, assignor.)
Metallgesellschaft Aktiengesellschaft. (See Von Forster, H., and Lay, assignors.)
Metallurgica Bresciana Gia Tempini. (See Orlando, Luigi, assignor.)
Metallurgica Bresciana Gia Tempini. (See Revelli, Bethel A., assignor.)
Metal Mouldings Corporation. (See Chamberlin, Clarence P., assignor.)
Metal Office Furniture Company. (See Wege, Peter M., assignor.)
Metal Package Corporation. (See Anthony, Charles A., assignor.)
Metal Package Corporation of New York. (See Bruns, Alfred E., assignor.)
Metal Package Corporation. (See Buschman, Sol L., assignor.)
Metal Products Company. (See Cocks, Harry J., assignor.)
Metal Propellers Limited. (See Leitner, H., and Watts, assignors.)
Metal Specialties Manufacturing Co. (See Hermann, Wolfgang, assignor.)
Metals Protection Corporation. (See Humphries, Chad H., assignor.)
Metals Protection Corporation. (See Patten, James C., assignor.)
Metal Stampings Corporation. (See Gillooly, William, assignor.)
Metal Stampings Corporation. (See Mason, Frank C., assignor.)
Metal Textile Corporation. (See Hartwell, Ralf L., assignor.)
Metal Textile Corporation. (See Mayer, Daniel J., assignor.)
Metal & Thermit Corporation. (See Fischer, Hellmut, assignor.)
Metal & Thermit Corporation. (See Schmidt, H., Erlwein, and Hosenfeld, assignors.)
Metal Ware Corporation. (See Marvin, Walter S., assignor.)
Metal Ware Corporation. (See Marvin, W. S., and Sibenhorn, assignors.)
Metalwash Machinery Company. (See Zademach, Erich R., assignor.)
Metalweld Service Corporation. (See Oechsle, Joseph S., assignor.)
Metcalf, Alpha H., Attleboro, Mass., assignor to Saart Brothers Company. Vanity case. 1,798,620; Mar. 31.
Metcalf, Edgar E., Moville, Iowa, assignor to Deere & Company, Moline, Ill. Harvester. 1,828,844; Oct. 27.
Metcalf, Ella M., administratrix. (See Metcalf, G. A., and Bruce.)
Metcalf, Elton C., Wrentham, assignor to Murdock & Geb Company, Franklin, Mass. Bobbin holder. 1,822,858; Sept. 8.
Metcalf, George A., deceased, Framingham, E. M. Metcalf, administratrix, and J. D. Bruce, assignors to Draper Corporation, Hopedale, Mass. Slub catcher and yarn cleaner. 1,833,054; Nov. 24.
Metcalf, George R., jr., assignor to Erie Malleable Iron Company, Erie, Pa. Connecter. 1,793,113; Feb. 17.
Metcalf, George R. jr., assignor to Erie Malleable Iron Company, Erie, Pa. Connecter fitting. 1,814,478; July 14.
Metcalf, George R., jr., assignor to Erie Malleable Iron Company, Erie, Pa. Connecter. 1,814,479; July 14.
Metcalf, George R., jr., assignor to Erie Malleable Iron Company, Erie, Pa. Connecter. 1,819,650; Aug. 18.
Metcalf, George R., jr., assignor to Erie Malleable Iron Company, Erie, Pa. Connecter. 1,819,651; Aug. 18.
Metcalf, George R., jr., assignor to Erie Malleable Iron Company, Erie, Pa. Connecter. 1,819,652; Aug. 18.
Metcalf, George R., jr., assignor to Erie Malleable Iron Company, Erie, Pa. Connecter fitting. 1,819,653; Aug. 18.
Metcalf, George R., jr., assignor to Erie Malleable Iron Company, Erie, Pa. Connecter. 1,819,654; Aug. 18.
Metcalf, George R., jr., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fittings. 1,823,553; Sept. 15.
Metcalf, George R., jr., and F. J. Raybould, assignors to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,814,480; July 14.
Metcalf, George R., jr., and F. J. Raybould, assignors to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,814,481; July 14.
Metcalf, Harold G., assignor to Columbian Rope Company, Auburn, N. Y. Rope. 1,812,354; June 30.
Metcalf, Irving R., St. Charles, Ill., assignor to Letham Machinery Company. Convertible table for stitching machines and the like. 1,800,949; Apr. 14.
Metcalf, Jay H., Grand Rapids, Mich. Plastic modeling machine. 1,804,224; May 5.
Metcalf, Robert E. (See Clark, H., and Metcalf.)
Metcalfe, Roy M., Olympia, Wash. Hosiery protecting compound. 1,814,221; July 14.
Metcalfe-Shaw, Edward, Imperial Beach, Calif. Heat transference. 1,831,679; Nov. 10.
Metcalfe, Thomas, Birkby, Huddersfield, assignor of one-third to Hopkinsons Limited, and one-third to R. A. Hopkinson, Britannia Works, Birkby, Huddersfield, England. Intermittent drive. 1,801,359; Apr. 21.
Meter Parts Company. (See Waddell, Homer J., assignor.)
Meth, Max, Pittsburgh, Pa., assignor to I. R. Stewart, New York, N. Y. Glass and method of making. 1,789,658; Jan. 20.
Methlin, Nicolas E., Paris, assignor to Schneider & Cie., Paris, France. Disappearing carriage for guns mounted on board submersible craft and for other like uses. 1,796,573; Mar. 17.
Methlin, Nicolas E., assignor to Schneider & Cie, Paris, France. Synchronous motor. 1,807,001; May 26.
Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Artillery gun more particularly applicable for firing against aircraft. 1,812,800; June 30.
Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Transportable ordnance material for firing against aircraft. 1,835,890; Dec. 8.
Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Mechanism for automatically opening and closing the breech of guns. 1,837,980; Dec. 22.
Methudy Automatic Lighter Co. (See Methudy, Carl E., assignor.)
Methudy, Carl E., St. Louis, assignor to Methudy Automatic Lighter Co., East St. Louis, Ill. Valve. 1,794,703; Mar. 3.
Methudy, Carl E., St. Louis, Mo., assignor to Methudy Automatic Lighter Co., East St. Louis, Ill. Gas burner. 1,823,460; Sept. 15.
Methudy, Carl E., St. Louis, Mo., assignor to Methudy Automatic Lighter Co., East St. Louis, Ill. Ignition device for gas burners. 1,823,621; Sept. 15.
Metje, Adolf, New York, N. Y. Combination cigarette container and match guard. 1,807,299; May 26.
Metler, William S., and H. O. Schumacher, assignor to Home Sash and Manufacturing Company, Spokane, Wash. Window frame. 1,821,910; Sept. 1.
Metlox Corporation, Ltd. (See Bannister, Glenn B., assignor.)
Metlox Corporation, Ltd. (See Prouty, Theodore C., assignor.)
Metlox Corporation, Ltd. (See Prouty, Willis O., assignor.)
Metlox Corporation, Ltd. (See Wilson, William B., assignor.)
Met-L-Wood Corporation. (See Lewis, George K., assignor.)
Metro-Goldwyn-Mayer Corporation. (See Arnold, John, assignor.)
Metro-Goldwyn-Mayer Corporation. (See Ceccarini, Olindo O., assignor.)
Metro-Goldwyn-Mayer Corporation. (See Shearer, Douglas G., assignor.)
Metro-Goldwyn-Mayer Corporation. (See Taylor, Alfred T., assignor.)
Metropolitan Device Corporation. (See Jessup, George K., assignor.)
Metropolitan Device Corporation. (See Murray, Thomas E., assignor.)
Metropolitan Device Corporation. (See Rypinski, Albert B., assignor.)
Metropolitan Edison Company. (See Spangler, Charles H., assignor.)
Metropolitan Electric Mfg. Co. (See Gwynne, Walter C., assignor.)
Metropolitan Engineering Company. (See Bennett, Irving T., assignor.)
Metropolitan Engineering Company. (See Holmes, Henry S., assignor.)
Metropolitan Engineering Company. (See Kennan, Walter M., assignor.)
Metropolitan Engineering Company. (See Lawrence, John H., assignor.)
Metropolitan Engineering Company. (See Murray, Thomas E., assignor.)
Metropolitan Engineering Company. (See Murray, Thomas E., jr., assignor.)

Metropolitan Engineering Company. (See Murray, T. E., jr., and Hoffer, assignors.)
Metropolitan Engineering Company. (See Murray, T. E., and Lawrence, assignors.)
Metropolitan Engineering Company. (See Phelps, George H., assignor.)
Metropolitan Engineering Corporation. (See Wolfe, H. G., and Freiday, assignor.)
Metropolitan Importing & Mfg. Co. (See Selikowitz, Adolph, assignor.)
Metropolitan Paving Brick Company, The. (See Fry, C. A., Harsh, and Schory, assignors.)
Metropolitan Sewing Machine Corporation. (See Weis, John P., assignor.)
Metropolitan-Vickers Electrical Company Limited. (See Bailey, James N., assignor.)
Metten, John F., Philadelphia, Pa. Vacuum pump. 1,829,908; Nov. 3.
Mettler, Carl, assignor to the Firm of J. R. Geigy S. A., Basel, Switzerland. Manufacture of direct dyeing diazo-dyestuffs. 1,810,839; June 16.
Mettler, Fred A., Emery, S. Dak. Temperature control for crank-case oil. 1,788,117; Jan. 6.
Mettler, Josef, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Switch controlling mechanism. 1,829,364; Oct. 27.
Metz, Emil G., Dunsmuir, Calif. Rail-oiling device. 1,800,464; Apr. 14.
Metz, George F., Yonkers, N. Y. Coating. 1,930,236; Nov. 3.
Metz, Gustave P., Bayside, assignor to H. A. Metz Laboratories, Inc., New York, N. Y. Receptacle for packing ampules. 1,826,809; Oct. 13.
Metz, H. A., Laboratories, Inc. (See Metz, Gustave P., assignor.)
Metz, Raymond, and W. J. Quirk, Evanston, Ill. Lock. 1,805,779; May 19.
Metzgar, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Inlet unloader valve. 1,793,000; Feb. 17.
Metzgar, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Heat exchanger. 1,813,754; July 7.
Metzgar, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drain valve for coolers. 1,836,929; Dec. 15.
Metzger, Benjamin L., Toledo, Ohio. Adjustable center for rotary speed indicators and the like. 1,813,065; July 7.
Metzger, Chester A. (See Knuuti, C. O., and Metzger.)
Metzger, Chester A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for removing core-covering material. 1,800,950; Apr. 14.
Metzger, Claude W., Houston, Tex. Drilling tool. 1,805,991; May 19.
Metzger, Dave. (See West, George E., assignor.)
Metzger, Peter C. (See Trix, H. B., Metzger, and Souder.)
Metzger, Raymond T., and P. D. Potter, Winnetka, assignors to Sprague, Warner & Company, Chicago, Ill. Preparing and preserving the beverage, Tea. 1,813,120; July 7.
Metzger, Roy, and D. W. Kirkpatrick, Conshohocken, Pa. Hammer. 1,792,437; Feb. 10.
Metzger, Rudolf. (See Hevesi, M., and Metzger.)
Metzger, William F. (See Swoboda, H. O., and Metzger.)
Metzl, Heinrich. (See Hentrich, W., Hardtmann and Metzl.)
Metzl, Zdenko, Paris, France, assignor to Societe Anonyme: Selbi, Societe d'Exploitation de Licences de Brevets Industriels, Geneva, Switzerland. Manufacture of fertilizer from residues of distilleries and sugar factories. 1,799,176; Apr. 7.
Metzler, Charles, jr. (See Horan, E. S., and Metzler.)
Metzler, Earl, Greensburg, Pa. Wing adjusting device. 1,834,858; Dec. 1.
Metzler, Kurt, Grossenhain, Saxony, Germany. Rotary feed device for the work spindles of tool-grinding machines. 1,791,424; Feb. 3.
Metzler, Kurt, Grossenhain, Germany. Tool grinding machine. 1,815,112; July 21.
Metzner, Albert W. (See Sherman, J. Q., and Metzner.)
Metzner, Robert B., Wheeling, W. Va., assignor by mesne assignments, to Continental Can Company, Inc. Can-feeding apparatus. 1,799,857; Apr. 7.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Rotary feed-through snap switch. Des. 83,464; Feb. 24.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric appliance plug. Des. 84,200; May 19.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 1,799,920; Apr. 7.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 1,812,410; June 30.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 1,818,265; Aug. 11.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric snap switch. 1,818,569; Aug. 11.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric snap switch. 1,828,059; Oct. 20.
Meunier, Charles A., assignor to C A M Manufacturing Company, Inc., Great Neck, N. Y. Adjustable ornamental leader strap. 1,789,906; Jan. 20.
Meunier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Chuck. 1,789,559; Jan. 20.
Meunier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Adjustable spring counterbalance for power drills. 1,822,231; Sept. 8.
Meunier, Leon F., and C. J. Dresser, Cleveland, Ohio, assignors to Chicago Pneumatic Tool Company, New York, N. Y. Switch. 1,817,013; Aug. 4.
Meunier, Ross M., Glendale, Calif. Adjustable shade. 1,804,634; May 12.
Meurer, August, San Bruno, Calif. Dog carrier. 1,813,458; July 7.
Měurer, Hans. (See Haanen, C. A., and Měurer.)
Meurer, Hans, Cologne, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Insulating layers of different dielectric coefficient. 1,802,030; Apr. 21.
Meurisse, Gordon, assignor to Charles Meurisse & Company, Chicago, Ill. Polo ball. 1,803,121; Apr. 28.
Meuser, Ludwig. (See Cadwell, S. M., and Meuser.)
Meves, Charles W., assignor to Sheboygan Couch Company, Sheboygan, Wis. Bed davenport. 1,809,859; June 16.
Mevis, William, Tuscola, Ill. Closure fastener. 1,795,402; Mar. 10.
Mewborne, Robert G., assignor to Consumers Tobacco Company, Inc., Albuquerque, N. Mex. Treating tobacco material and apparatus therefore. 1,823,554; Sept. 15.
Mexican American Hat Company. (See Holmes, G. E., and Treiman, assignors.)
Meyer, Adolf. (See Frey, K., and Meyer.)
Meyer, Adolf. (See Noack, W. G., and Meyer.)
Meyer, Adolf, Kusnacht, near Zurich, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Steam-turbine-sealing device. 1,795,311; Mar. 10.
Meyer, Adolf Kusnacht, near Zurich, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Gas-turbine plant. 1,797,783; Mar. 24.
Meyer, Adolf, Zurich, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Turbine rotor disk fastening means. 1,825,239; Sept. 29.
Meyer, Albert C., Glenshaw, Pa. Bottle. Des. 85,487; Nov. 3.
Meyer, Albert E., assignor to The Master Electric Company, Dayton, Ohio. Electric-motor housing and stand. Des. 83,636; Mar. 10.
Meyer, Albert W., New York, N. Y. Percolator. 1,831,923; Nov. 17.
Meyer, Albert W., New York, N. Y. Percolator. 1,836,541; Dec. 15.
Meyer, Alcid A., Minneapolis, Minn. Foundry tool. 1,820,819; Aug. 25.
Meyer, Alfred F., Yale, Okla. Fishing rig for deep wells. 1,816,602; July 28.
Meyer, Alfred W., and L. W. Haas, Chicago, Ill., assignors to The W. E. Long Co. Imparting coffee aroma to soluble coffee. 1,836,931; Dec. 15.
Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine crank shaft. 1,817,389; Aug. 4.
Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,817,390; Aug. 4.
Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine construction. 1,824,440; Sept. 22.
Meyer, August. (See Baseler, W., and Meyer.)
Meyer-Berg, Huldreich, Baden, and R. Keller, Ennetbaden, assignors to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Quick-acting regulator of the vibrating type. 1,789,031 Jan. 13.
Meyer-Berg, Huldreich, Baden, and R. Keller, Ennetbaden, assignors to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Quick-acting regulator of the vibrating type. 1,822,232; Sept. 8.
Meyer, Charles F., Bridgeport, Conn. Safety gas cock. 1,829,365; Oct. 27.
Meyer, Christian F., assignor to Textile Machine Works, Wyomissing, Pa. Electrically controlled loop regulating mechanism for full fashioned knitting machines. 1,821,982; Sept. 8.
Meyer, Clifford L., Bellevue, Pa. Suspenders. 1,806,909; May 26.
Meyer-Delius, Heinrich, Mannheim, Germany, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Mercury vapor rectifier. 1,830,437; Nov. 3.
Meyer, Elizabeth M., Sherman, Pa. Extracting albumin and sugar from milk whey. 1,787,754; Jan. 6.
Meyer, Emil A., Springfield, Ohio. Illuminated clock. 1,804,999; May 12.
Meyer, Ernst A., Hamburg, Germany. Device for preventing back draughts in fireplaces, stoves, and the like. 1,794,724; Mar. 3.
Meyer, Felix, Aachen, Germany. Hypodermic syringe for injecting liquids into the body or for taking them therefrom. 1,809,487; June 9.
Meyer, Ferd H., Oakland, assignor of one-half to G. H. Roberts, and one-half to J. Schor, San Francisco, Calif. Slicing machine. 1,827,251; Oct. 13.

Meyer, Frank A., Norwood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic stop governor. 1,816,020; July 28.
Meyer, Frank, and O. Link, New York, N. Y. Mouthpiece for woodwind instruments. 1,803,268; Apr. 28.
Meyer, Frank H., Warren, assignor, by mesne assignments, to The Goodyear Tire & Rubber Company, Akron, Ohio. Vehicle wheel structure. 1,804,635; May 12.
Meyer, Fred, Galesburg, Ill. Pulley. 1,832,871; Nov. 24.
Meyer, Fred W., Buechel, Ky. Cover for manholes, etc. 1,788,118; Jan. 6.
Meyer, Frederick. (See Aronson, L. V., and Meyer.)
Meyer, Frederick G. (See Nelson, Nels S., assignor.)
Meyer, Frederick H., assignor to Leitelt Iron Works, Grand Rapids, Mich. Lifting grapple. 1,807,124; May 26.
Meyer, Frederick S., Minneapolis, Minn. Making molds for inlays and crowns. 1,796,470; Mar. 17.
Meyer, Friedrich, and H.-J. Spanner, Berlin-Halensee, Germany, assignors, by mesne assignments, to Electrons, Inc. Electron emissive materials. 1,817,636; Aug. 4.
Meyer, Friedrich W., assignor to Ural Maschinen Vertriebsgesellschaft, m. b. H., Vienna, Austria. Portable motor. 1,838,700; Dec. 29.
Meyer, Fritz W., Johnstown, Pa., assignor to Robert S. Walters, Southmont, Pa. Manufacture of elongated tubular articles. 1,790,108; Jan. 27.
Meyer, Geo. J., Manufacturing Company. (See Dufford, Lawrence O., assignor.)
Meyer, Geo. J., Manufacturing Company. (See Meyer, George J., assignor.)
Meyer, Geo. J., Manufacturing Company. (See Meyer, George L. N., assignor.)
Meyer, Geo. J., Manufacturing Company. (See Meyer, G. J., and Dreher, assignors.)
Meyer, Geo. J., Manufacturing Company. (See Meyer, G. J., Dreher, and Campo, assignors.)
Meyer, George J., assignor to Geo. J. Meyer Manufacturing Company, Milwaukee, Wis. Bottle-cleaning machine. 1,787,993; Jan. 6.
Meyer, George J., assignor to Geo. J. Meyer Manufacturing Co., Milwaukee, Wis. Milk treating apparatus. 1,809,135; June 9.
Meyer, George J., Milwaukee, Wis., assignor to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Bottle cleaning apparatus. 1,825,008; Sept. 29.
Meyer, George J., assignor to Geo. J. Meyer Manufacturing Company, Milwaukee, Wis. Dry heat sterilizer. 1,835,799; Dec. 8.
Meyer, George J., and O. Dreher, assignors to Geo. J. Meyer Manufacturing Company, Milwaukee, Wis. Bottle feeder. 1,825,751; Oct. 6.
Meyer, George J., O. Dreher, Milwaukee, Wis., and James Campo, Stafford Springs, Conn., assignors to Geo. J. Meyer Manufacturing Company, Milwaukee, Wis. Swinging outside brush for bottle washing machines. 1,817,014; Aug. 4.
Meyer, George J., and O. Dreher, assignors to Geo. J. Meyer Manufacturing Company, Milwaukee, Wis. Cam operated swinging brush for bottle washing machine. 1,830,068; Nov. 3.
Meyer, George L. N., Jackson Heights, N. Y., assignor to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Washer for bottles of different sizes. 1,813,066; July 7.
Meyer, George U., Riverview, R. I., assignor to Providence Stock Company. Bracelet chain. Des. 84,357; June 9.
Meyer, Gerhard, Los Angeles, Calif. Novel packer for use with overshot. 1,822,412; Sept. 8.
Meyer, Gerhart, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Suppressing ground currents. 1,814,006; July 14.
Meyer, Gottfried, assignor to Arnold Krebs, Zurich, Switzerland. Implements for moving railway wagons. 1,812,603; June 30.
Meyer, Gustav, Matanzas, Cuba. Apparatus for feeding heavy crude oil in internal combustion engines of the injection type. 1,819,474; Aug. 18.
Meyer, Herbert W., North Fond du Lac, Wis. Storm sash ventilating devices. 1,836,611; Dec. 15.
Meyer, Hermann, Berlin, Germany. Method of and apparatus for inflating inflatable bodies, such for example as inflatable boats. 1,805,370; May 12.
Meyer, Howard M., and R. R. Scheidler, Indianapolis, assignors, by mesne assignments, to Automatic Safety Signal Gate Company, Columbus, Ind. Crossing gate. 1,832,645; Nov. 17.
Meyer-Jagenberg, Günther, Dusseldorf, Germany. Box-making machine. 1,794,413; Mar. 3.
Meyer, Jean, Franiere, Belgium, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Temperature control of glass working or transporting rolls. 1,833,297; Nov. 24.
Meyer, John F., Pasadena, Calif. Amusement-machine casing. Des. 83,560; Mar. 3.
Meyer, John F., Pasadena, Calif. Amusement machine cabinet. Des. 84,840; Aug. 11.
Meyer, John F., Pasadena, Calif. Display plate. Des. 85,341; Oct. 13.
Meyer, John F., Flintridge, Calif. Delivery chute for vending machines. 1,801,100; Apr. 14.
Meyer, John W., West Cape May, N. J. Lacquer surface tar remover and polish. 1,795,134; Mar. 3.
Meyer, Joseph H., Brothers. (See Meyer, Maximilian C., assignor.)
Meyer, Julius A., St. Louis, Mo. Snare holder. 1,789,319; Jan. 20.
Meyer, Kurt H., Mannheim, and C. Schuster, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Manufacture of azo dyestuffs. 1,805,919; May 19.
Meyer, Lewis J., Tererro, N. Mex. Picture frame. 1,787,541; Jan. 6.
Meyer, Lewis J., Tererro, N. Mex. Luggage rack for automobiles. 1,824,288; Sept. 22.
Meyer, Maximilian C., assignor to Joseph H. Meyer Brothers, Brooklyn, N. Y. Article of manufacture. 1,791,507; Feb. 10.
Meyer, Maximilian C., assignor to Joseph H. Meyer Brothers, Brooklyn, N. Y. Article of jewelry. 1,791,567; Feb. 10.
Meyer Mineral Separation Company. (See Meyer, Ralph F., assignor.)
Meyer, Otto, Wettelswalde, near Crimmitschau, Germany. Automatic weighing machine. 1,803,913; May 5.
Meyer, Peter H., Buffalo, N. Y. Vase. Des. 83,117; Jan. 20.
Meyer, Peter H., Buffalo, N. Y. Vase. Des. 83,118; Jan. 20.
Meyer, Peter H., Buffalo, N. Y. Vase. Des. 83,119; Jan. 20.
Meyer, Peter H., Buffalo, N. Y. Vase. Des. 83,120; Jan. 20.
Meyer, Peter H., Buffalo, N. Y. Nose-bridge mounting for spectacles. Des. 83,240; Feb. 3.
Meyer, Pierre H., New York, N. Y. Wedge device. 1,836,930; Dec. 15.
Meyer, Ralph F., Freeport, assignor to Meyer Mineral Separation Company, Pittsburgh, Pa. Metallurgical process. 1,822,995; Sept. 15.
Meyer, Ralph F., Freeport, Pa., assignor to Meyer Mineral Separation Company, Pittsburgh, Pa. Recovery of precious metals from refractory ores. 1,824,093; Sept. 22.
Meyer, Ralph F., Freeport, assignor to Meyer Mineral Separation Company, Pittsburgh, Pa. Treating ores. 1,833,682; Nov. 24.
Meyer, Ralph F. Freeport, assignor to Meyer Mineral Separation Company, Pittsburgh, Pa. Metallurgical process. 1,833,683; Nov. 24.
Meyer, Ralph F., Freeport, assignor to Meyer Mineral Separation Company, Pittsburgh, Pa. Metallurgical process. 1,833,684; Nov. 24.
Meyer, Ralph F., Freeport, assignor to Meyer Mineral Separation Company, Pittsburgh, Pa. Chloridizing metalliferous materials. 1,833,685; Nov. 24.
Meyer, Ralph F., Freeport, assignor to Meyer Mineral Separation Company, Pittsburgh, Pa. Beneficiating iron ores. 1,833,686; Nov. 24.
Meyer, Richard, Marmora, N. J. Fluid transmission mechanism. 1,831,505; Nov. 10.
Meyer, Simon M., New York, N. Y. Sugar unit. 1,836,604; Dec. 15.
Meyer, Victor, Brooklyn, N. Y. Bridle bit. 1,796,608; Mar. 17.
Meyer, Victor, Brooklyn, N. Y. Horse bit. 1,806,483; May 19.
Meyer, Walter A., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Belt splice. 1,792,751; Feb. 17.
Meyer, Walter E., Kansas City, Kans. Combination paste table and case. 1,809,142; June 9.
Meyer, William, Chicago, Ill. Hair drier. 1,794,860; Mar. 3.
Meyer, William H., St. Louis, Mo. Motion picture projecter. 1,812,212; June 30.
Meyer, William H., Brooklyn, N. Y. Card mount for strings. 1,821,354; Sept. 1.
Meyer, Willy. (See Rohrmann, L., and Meyer.)
Meyercord, Geo. R., and Associates. (See Meyercord, G. R., and Basquin, assignors.)
Meyercord, George R., Chicago, Ill., and C. B. Norris, Grand Rapids, Mich., assignors to Haskelite Manufacturing Corporation. Embossed plywood. 1,794,194; Feb. 24.
Meyercord, George R., Chicago, and O. H. Basquin, Evanston, Ill., assignors to Geo. R. Meyercord and associates. Cotton harvesting machine. 1,824,223; Sept 22.
Meyerhans, August, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Electric transformer. 1,788,627; Jan. 13.
Meyerhans, August, assignor to Aktiengesellschaft, Brown, Boveri & Cie., Baden, Switzerland. Transformer. 1,807,854; June 2.
Meyerhoff, Jacob, Chicago, Ill. Educational device. 1,812,110; June 30.
Meyers, Arthur R., Brooklyn, N. Y. Safety-carrier apparel. 1,797,359; Mar. 24.
Meyers, Clarence L., Inc. (See Meyers, Maxwell, assignor.)
Meyers, Henry C., assignor to The Challenge Machinery Company, Grand Haven, Mich. Knife guard. 1,838,492; Dec. 29.
Meyers, Herbert H., Pittsburgh, Pa., assignor to Armour Fertilizer Works, Chicago, Ill. Treatment of phosphate rock and alunite. 1,791,103; Feb. 3.
Meyers, Herbert H., Pittsburgh, Pa., assignor to Armour Fertilizer Works, Chicago, Ill. Producing ammonium sulphate nitrate. 1,801,677; Apr. 21.
Meyers, J. A., and Company. (See Meyers, J. A., and Johnson, assignors.)

Meyers, Joseph A., and H. H. Johnson, assignors to J. A. Meyers and Company, Inc., Los Angeles, Calif. Ring. Des. 84,427; June 16.
Meyers, Joseph J. R., New York, N. Y. Hatchet. Des. 85,297; Oct. 6.
Meyers, Louis W., Chicago, Ill. Book-finishing machine. 1,796,574; Mar. 17.
Meyers, Maxwell, assignor to C. L. Meyers, Inc., Philadelphia, Pa. Double knitted fabric and process for treating the same. 1,831,747; Nov. 10.
Meyers, Otto J., Frederickton, assignor, by mesne assignments to Sun Glow Industries, Inc., Mansfield, Ohio. Furniture. 1,793,709; Feb. 24.
Meyers, Roy L., Janesville, Wis. Boltless casing. 1,821,228; Sept. 1.
Meyers, Roy L., Janesville, Wis. Heating apparatus. 1,838,430; Dec. 29.
Meyers, Sidney E. (See Jewett, J. E., and Meyers.)
Meyers, Sidney E., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Method and apparatus for heating substances. 1,792,918; Feb. 17.
Meyers, Sidney E., assignor of one-half to E. H. Merritt, Lockport, N. Y. Consistency responsive device. 1,810,111; June 16.
Meyers, Sidney E., assignor of one-half to E. H. Merritt, Lockport, N. Y. Consistency controlling device. 1,825,155; Sept. 29.
Meyers, Stanley W., Indianapolis, Ind. Pool ball rack. 1,837,981; Dec. 22.
Meyerson, Louis, Brooklyn, N. Y. Combination cigarette and vanity case. 1,821,660; Sept. 1.
Meyerson, Max, New York, N. Y. Temporary binder. 1,816,021; July 28.
Meyerson, Max, New York, N. Y. Loose leaf binder. 1,826,627; Oct. 6.
Mezer, Marcus, Philadelphia, Pa. Acoustic material. 1,823,405; Sept. 15.
Mezeray, Francois H., Perpignan, France. Weft threading device for the shuttles of automatic and other looms. 1,819,189; Aug. 18.
Mezger, Charles A., Brooklyn, N. Y. Envelope sealing device. 1,808,567; June 2.
Mically, Emanuel, Jackson Heights, assignor to Universal Fixture Corporation, New York, N. Y. Shelving structure. 1,814,090; July 14.
Mically, Emanuel, Jackson Heights, assignor to Universal Fixture Corporation, New York, N. Y. Shelving structure. 1,814,091; July 14.
Micha, Léon, Antwerp, Belgium. Screw nut. 1,804,058; May 5.
Michael, Arnold J., Plymouth, Vt. Internal combustion engine. 1,828,060; Oct. 20.
Michael, Charles F. (See Hedeen, Elmer, assignor.)
Michael, Effie L., Hot Springs, Ark. Portable kitchenette. 1,801,874; Apr. 21.
Michael, Franz, Baumschulenweg-Berlin, and M. Grebarse, Adlershof-Berlin, assignors to Knorr-Bremse Aktiengesellschaft, Berlin, Germany. Control gear for aircraft. 1,834,859; Dec. 1.
Michael, Gus F., assignor to Bendix Brake Company, South Bend, Ind. Brake applying means. 1,801,444; Apr. 21.
Michael, Gus F., assignor to Bendix Brake Company, South Bend, Ind. Brake operating means, 1,812,011; June 30.
Michael, Loren P., Elmhurst, Ill., assignor of one-half to The Baldwin Locomotive Works, Philadelphia, Pa. Locomotive construction. 1,827,666; Oct. 13.
Michael, Wilhelm, Oppau, and W. Haag, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of α-hydroxycarboxylic acids. 1,802,154; Apr. 21.
Michael, Wilhelm, and W. Haag, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of esters of a-hydroxy carboxylic acids. 1,831,025; Nov. 10.
Michaelis, Victor H., and W. I. Jasinsky, Mlwaukee, Wis. Baker's appliance. 1,836,485; Dec. 15.
Michaels, Frank L., Covington, Ky. Window sash. 1,793,503; Feb. 24.
Michaels, Frank L., Covington, Ky. Metal window and weather strip. 1,793,504; Feb. 24.
Michaels, Frank L., Covington, Ky. Weather strip apparatus. 1,812,840; June 30.
Michaels, George Z., New York, N. Y. Dirigible headlight. 1,792,503; Feb. 17.
Michaels, George Z., New York, N. Y. Automobile light controlling system. 1,812,355; June 30.
Michaelson, Andrew E., assignor, by mesne assignments, of forty-nine per cent to H. Eschenfeld, Portland, Oreg. Garage door operator. 1,810,320; June 16.
Michaelson, James McK., et al. (See Roberts, John P., assignor.)
Michal, James, Chicago, assignor to Storkline Furniture Corporation, Chicago, Ill. Drop-side mechanism for cribs. 1,788,318; Jan. 6.
Michalicek, Fred, Estacada, Oreg. Anchoring device. 1,807,488; May 26.
Michalk, Otto. (See Büttner, Max, assignor.)
Michalk, Otto. (See Sachse, E., and Michalk.)
Michalka, William J., Cameron, Tex. Stalk cutter. 1,817,999; Aug. 11.
Michaud, Lionel, Hartford, Conn. Folding umbrella. 1,797,993; Mar. 24.
Michaud, Oscar, Salem, Mass. Knife for cutting shoes. 1,806,484; May 19.
Michel, Clarence A., Cleveland, assignor to Delco Remy Corporation, Dayton, Ohio. Automobile headlight. 1,792,598; Feb. 17.
Michel, Clarence A., Cleveland, Ohio, assignor to Delco Remy Corporation, Dayton, Ohio. Reflector for automobile headlamps. 1,825,084; Sept. 29.
Michel, Gilbert, Bagneux, France, assignor to Societe "Le Magnesium Industriel," Paris, France. Forging magnesium alloys. 1,816,983; Aug. 4.
Michel, Hyman H., Chicago, Ill. Garment. 1,788,731; Jan. 13.
Michel, Philip A., New Brighton, N. Y. Coil. 1,820,240; Aug. 25.
Michel, Richard, Uerdingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Separating ethylene from the higher homologues thereof in gaseous mixtures containing olefines. 1,822,358; Sept. 8.
Michelin, André J., Paris, assignor to Michelin et Cie., Clermont-Ferrand, France. Automatic device for raising the wheels at the desired level in case of puncture of the pneumatic tire. 1,816,543; July 28.
Michelin, André J., Paris, assignor to Michelin et Cie., Clermont-Ferraund, France. Railway vehicle wheel fitted with pneumatic tires. 1,830,879; Nov. 10.
Michelin, André J., Paris, assignor to Michelin et Cie., Clermont-Ferrand, France. Weighing apparatus. 1,831,186; Nov. 10.
Michelin, André J., Paris, assignor to Michelin et Cie., Clermont-Ferrand, France. Tire for railway vehicles. 1,833,718; Nov. 24.
Michelin, André J., Paris, assignor to Michelin et Cie., Clermont-Ferrand, France. Inflating device for pneumatic tires. 1,834.033; Dec. 1.
Michelin et Cie. (See Michelin, André J., assignor.)
Michelin, Marcel, Staten Island, assignor to Pinaud Incorporated, New York, N. Y. Container for toilet powder. 1,823,861; Sept. 15.
Michelin, Marcel M., Staten Island, assignor to Pinaud Incorporated, New York, N. Y. Powder container. 1,834,413; Dec. 1.
Michell, Anthony G. M., Melbourne, Australia. Bearing. 1,805,992; May 19.
Michell, Anthony G. M., Melbourne, Victoria, Australia, assignor, by mesne assignments, to Michell-Crankless Engines Corporation, New York, N. Y. Gearing for actuating sleeve valves for crankless engine. 1,793,238; Feb. 17.
Michell, Anthony G. M. Melbourne, Victoria, Australia, assignor, by mesne assignments, to Michell-Crankless Engines Corporation, New York, N. Y. Bush for reciprocating members. 1,828,289; Oct. 20.
Michell, Anthony G. M., Melbourne, Victoria, Autralia, assignor to Michell-Crankless Engines Corporation, New York, N. Y. Crankless mechanism and method of making crankless mechanism. 1,837,724; Dec. 22.
Michell-Crankless Engines Corporation. (See Michell, Anthony G. M., assignor.)
Michell-Crankless Engines Corporation. (See Sherman, Thomas L., assignor.)
Michell-Crankless Engines Corporation. (See Wilson, Victor R., assignor.)
Michelman, Joseph, Boston, Mass. Making decomposition products from leather, and certain products thereof. 1,830,921; Nov. 10.
Michelman, Nathan, Brooklyn, N. Y. Metal door. 1,791,679; Feb. 10.
Michelman, Nathan, Brooklyn, N. Y. Metal door. 1,810,321; June 16.
Michelman, Nathan, Brooklyn, N. Y. Weatherproof sidewalk door. 1,837,916; Dec. 22.
Michelsen, William O., Woodhaven, N. Y. Spark plug. 1,819,107; Aug. 18.
Michelsen, William O., Woodhaven, N. Y. Spark plug. 1,819,108; Aug. 18.
Michelson, Carl H., Abo, Finland. Refining the soap floating on the waste-liquors obtained in the manufacture of sulphate- or sodium cellulose as well as sulphite waste liquor. 1,823,752; Sept. 15.
Michelson, Hansine, Laramie, Wyo. Knitting elastic-topped stockings. 1,794,312; Feb. 24.
Michelson, Lawrence M., St. Louis, Mo. Counter-seat pedestal. 1,829.960; Nov. 3.
Michelssen, Fritz. (See Schroeter, F., and Michelssen.)
Michelssen, Fritz, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Light control. 1,792,752; Feb. 17.
Michiels, Peter, Orland Park, Ill. Casement window. 1,798,694; Mar. 31.
Michigan, Regents of the University of. (See Bailey, Benjamin F., assignor.)
Michigan State Board of Agriculture. (See Miller, Elroy J., assignor.)
Michigan Steel Corporation. (See Pitts, Frederick W., signor.)
Michigan Tool Company. (See Drader, Joseph C., assassignor.)
Michigan Wire Goods Company. (See Smith, Benjamin H., assignor.)
Michl, Robert, Kosice, Czechoslovakia, assignor, by mesne assignments, to The Hammond Clock Company, Chicago, Ill. Fine speed governor for motor engines. 1,807,698; June 2.

Michot-Dupont, George F., Vincennes, France. Fluid motor. 1,824,336; Sept. 22.
Mickelsen, Canute H., Lava Hot Springs, Idaho. Restraining device. 1,828,610; Oct. 20.
Mickle, Benjamin C. (See Finn, John, jr., assignor.)
Mickle, Frank A. (See Haines, H. L., and Mickle.)
Mickle, William, Pilot Mound, Manitoba, Canada. Attachment to harvester-thrashers. 1,819,432; Aug. 18.
Micklin Lumber Company. (See Wilson, Theodore R., assignor.)
Micon, David, Milwaukee, Wis. Mattress and cushion filling machine. 1,834,531; Dec. 1.
Micon, David, Milwaukee, Wis. Mattress. 1,834,546; Dec. 1.
Micro Machine Company. (See Baumberger, William J., assignor.)
Micro Machine Company. (See Yerk, H. H., and Baumberger, assignors.)
Micromatic Hone Corporation. (See Jeschke, Frank J., assignor.)
Micromatic Hone Corporation. (See Quigley, Thomas F., assignor.)
Midboe, Gabriel, Brooklyn, assignor to International Motor Company, New York, N. Y. Inclosed chain drive and suspension therefor. 1,830,400; Nov. 3.
Midcap, John R., St. Louis, Mo. Metal corner bead with attachment. 1,825,914; Oct. 6.
Middagh, Harry M. (See Hammerstrom, Henry H., assignor.)
Middendorp, Daniel J., Utrecht, Netherlands, assignor to William Paterson, London, England. Apparatus for measuring the turbidity of liquids. 1,803,269; Apr. 28.
Middle States Mfg. Co. (See Knoll, Roy C., assignor.)
Middlekauff, Robert P., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Composite relay stud. 1,827,205; Oct. 13.
Middlesex Lace and Embroidery Works. (See Lorenz, Ernest.)
Middleton, Edmund B., New Brunswick, N. J., assignor to Du Pont Film Manufacturing Corporation, Wilmington, Del. Ink for photographic films. 1,833,086; Nov. 24.
Middleton, Eugene, Salt Lake City, Utah. Kitchen implement. 1,791,826; Feb. 10.
Middleton, Harry N., Westville, N. J,. assignor to B. F. Sturtevant Company, Hyde Park, Mass. Eliminator. 1,806,535; May 19.
Middleton, John R., Boise, Idaho. Antitheft device. 1,808,245; June 2.
Middleton, Minnie C., Yeadon, Pa. Breast supporter. 1,824,613; Sept. 22.
Middleton, Ray. (See Dunning, W. E., and Middleton.)
Middleton, William V., and J. W. Thropp, Trenton, N. J. Ditch filling machine. 1,807,489; May 26.
Midgley, Herbert, Worcester, Mass. Hand card. 1,818,495; Aug. 11.
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire construction. 1,802,088; Apr. 21.
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire testing machine. 1,809,860; June 16.
Midgley, Thomas, jr., C. A. Thomas, and C. A. Hochwalt, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Manufacture of rubber. 1,806,547; May 19.
Midgley, Thomas, jr., Worthington, A. L. Henne, Columbus, and R. R. McNary, Dayton, assignors to Frigidaire Corporation, Dayton, Ohio. Heat transfer. 1,833,847; Nov. 24.
Midhat, Chakir, Berlin-Eichkamp, Germany. Stringed loudspeaker. 1,829,909; Nov. 3.
Midhat, Chakir, Berlin-Eichkamp, Germany. Loud speaker. 1,829,910; Nov. 3.
Midland Steel Products Company, The. (See Neale, Fred, assignor.)
Midland Steel Products Company, The. (See Riemenschneider, Ernest, assignor.)
Midland Steel Products Company, The. (See Sneed, John, assignor.)
Midland Steel Products Company, trustee, The. (See Sneed, John, assignor.)
Midnight, Wilbur G. (See Chadwick, L. S., Resek, and Midnight.)
Mid-States Gummed Paper Co. (See Huempfner, Ferdinand W., assignor.)
Mid-States Steel & Wire Company. (See Van Deventer, James E., assignor.)
Miduno, Takeo, Garden City, near Tokyo, Japan. Ventilating apparatus. 1,790,433; Jan. 27.
Midway Chemical Company. (See Glover, John, assignor.)
Mid-West Chandelier Company, The. (See Williams, Victor, assignor.)
Midwest Engineering Co. (See Freeman, W. R., and Schweering, assignors.)
Mid-West Forging Company. (See Rogers, Earl B., assignor.)
Midwest-Fulton Machine Co. (See Knoll, William V., assignor.)
Mid-West Machine Company, The. (See Knoll, William V., assignor.)
Midwest Metal Products Company. (See Smith, E. F., and Wilson, assignors.)
Midwest Motor Supply. (See Johnson, Ellsworth W., assignor.)
Midwest Piping & Supply Co. Inc. (See Fantz, Fred C., assignor.)
Miedbrodt, Carl, Berlin-Rosenthal, Germany. Automatic reversing device. 1,799,112; Mar. 31.
Miedbrodt, Carl, Berlin-Rosenthal, Germany. Safety and stopping arrangement for intermittently-operating apparatus. 1,799,113; Mar. 31.
Miedbrodt, Carl, Berlin-Rosenthal, assignor to Bamag-Meguin Aktiengesellschaft, Berlin, Germany. Automatic reversing apparatus for controlling the closure members of periodically operating gas producers. 1,826,363; Oct. 6.
Mieder, Fritz, Leipzig, Germany. Clarifying plant. 1,792,919; Feb. 17.
Mieg, Walter, Vohwinkel, near Elberfeld, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs. 1,804,538; May 12.
Mieg, Walter, Opladen, and R. Berliner, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the dianthraquinonylamine-carbazole series. 1,801,678; Apr. 21.
Mieg, Walter, Opladen, and F. Baumann, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New amino-1.1'-anthrimidcarbazols. 1,809,212; June 9.
Miehle Printing Press & Manufacturing Company, The. (See Blaine, Joheph R., assignor.)
Miehle Printing Press & Manufacturing Company, The. (See Dudley, Edward F., assignor.)
Mielke, Herman D., Chicago, Ill. Paper drill. 1,808,472; June 2.
Mielke, Paul H., assignor to The Paper & Textile Machinery Co., Sandusky, Ohio. Shower pipe. 1,788,469; Jan. 13.
Mieres, José, Buenos Aires, Argentina. Garter. 1,807,224; May 26.
Mieres, Limited. (See Levy, Leonard A., assignor.)
Miersbe, Adolf, Raderthal, near Cologne-on-the-Rhine, Germany. Steam heating plant. 1,806,304; May 19.
Mies, Ludwig, Berlin, Germany. Chair. 1,791,453; Feb. 3.
Miescher, Karl, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Derivative of quinoline carboxylic acids and making same. 1,825,623; Sept. 29.
Miesse, Richard E., assignor to Q. R. S. De Vry Corporation, Chicago, Ill. High electron emissive cathode. 1,822,359; Sept. 8.
Miesse, Richard E., assignor to Q. R. S. De Vry Corporation, Chicago, Ill. Projection lamp. 1,822,360; Sept. 8.
Miesse, Richard E., assignor to Q. R. S. De Vry Corporation, Chicago, Ill. Electrode for electrical discharge devices. 1,822,361; Sept. 8.
Miesse, Richard E., assignor, by mesne assignments, to Q. R. S. Neon, Inc., Chicago, Ill. Multiple gaseous conduction device. 1,830,953; Nov. 10.
Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical supply and filter system. 1,788,342; Jan. 6.
Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron tube energizing method and apparatus. 1,806,813; May 26.
Miessner, Benjamin F., assignor to Miessner Inventions Inc., Short Hills, N. J. Electromagnetic sound reproducer. 1,830,401; Nov. 3.
Miessner, Benjamin F., assignor to Miessner Inventions Inc., Short Hills, N. J. Electromagnetic sound reproducer. 1,830,402; Nov. 3.
Miessner, Benjamin F., Short Hills, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Unidirectional current system. 1,832,646; Nov. 17.
Miessner, Benjamin F., South Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical signal amplifying and repeating system. 1,789,950; Jan. 20.
Miessner, Benjamin F., South Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical amplifier system. 1,790,874; Feb. 3.
Miessner, Benjamin F., South Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Method of and apparatus for changing voltage. 1,823,837; Sept. 15.
Miessner, Benjamin F., South Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge apparatus. 1,834,131; Dec. 1.
Miessner, Benjamin F., South Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical amplifying system. 1,834,414; Dec. 1.
Miessner Inventions Inc. (See Miessner, Benjamin F., assignor.)
Miessner, William O., Milwaukee, Wis. Selective rhythm sounder. 1,790,278; Jan. 27.
Mietzsch, Fritz. (See Klarer, J., and Mietzsch.)

Mietzsch, Fritz, and H. Klös, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. 6.8-dihydroxyquinoline ether. 1,790,066; Jan. 27.
Miffitt, Anthony F., Rockville, Conn., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter. 1,807,745; June 2.
Migeot, Louis E., St.-Michel-Sougland, France. Enamel containing barium and strontium compounds and for the enamelling of metals. 1,833,087; Nov. 24.
Miguet, Paul L. J., St-Julien-de-Maurienne (Savoie), France. Electric furnace. 1,806,210; May 19.
Miguet, Paul L. J., assignor to Société Electrometallurgique de Montricher, Ste. Julien de Maurienne, France. Electrode for electric furnaces. 1,820,625; Aug. 25.
Mihaliak, Edward, Brookfield, Ill. Weed puller. 1,832,647; Nov. 17.
Mihalyi, Frank, assignor to Benjamin Air Rifle Company, St. Louis, Mo. Air rifle. 1,848,999; Dec. 29.
Mihalyi, Joseph, Rochester, N. Y. Stereoscopic telemeter. 1,813,673; July 7.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Camera view finder construction. 1,813,674; July 7.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter. 1,831,791; Nov. 10.
Mijer, Pieter, assignor, by mesne assignments, to The Two-Tone Corporation, New York, N. Y. Process of and apparatus for dyeing textile fabrics. 1,796,039; Mar. 10.
Mijnbouw En Handelsmaatschappij "Wonoh Gedeh." (See Ellinger, Fritz, assignor.)
Mikalasek, John, assignor to The Maytag Company, Newton, Iowa. Driving means for washing machines. 1,803,974; May 5.
Mikesell, Daniel B. (See Hersey, H. J., jr., and Mikesell.)
Mikitta, William, Cleveland, Ohio. Knife for lifting inside cord layers of casings. 1,790,014; Jan. 27.
Mikkelsen, Carl G., Hilliard, Fla. Rotary egg holder for incubators. 1,801,679; Apr. 21.
Mikota, Archie R., Minneapolis, assignor of one-half to M. V. Landis, St. Paul, Minn. Garment hanger. 1,828,611; Oct. 20.
Mikulasek, John. (See Miller, G. L., and Mikulasek.)
Mikulka, Aladar. (See Nachtigall, Richard J., assignor.)
Milam, Oran A., assignor of one-third to D. Coalson and one-third to R. E. Milam, Brownwood, Tex. Machine for hulling nuts and the like. 1,837,369; Dec. 22.
Milam, Robert E., et al. (See Milam, Oran A., assignor.)
Milam, William A., Austin, Tex. Gun casting rod. 1,810,779; June 16.
Milani, Edward, San Francisco, Calif. Preserving food products. 1,821,106; Sept. 1.
Milanovich, John, assignor of one-third to George H. Marsh, Hollidays Cove, W. Va. Scrubbing machine. 1,804,636; May 12.
Milar, Karl A., Chicago, Ill. Atomizing and spraying semi-fluid material containing asbestos fiber. 1,805,632; May 19.
Milarski, John, Paterson, N. J. Curtain rod bracket. Des. 85,488; Nov. 3.
Milazo, Thomas, and H. Schaffer, Chicago, Ill. Garment renovator. 1,797,011; Mar. 17.
Milbourn, Frank W., assignor to The Coe Manufacturing Company, Painesville, Ohio. Roller mounting for veneer lathes. 1,833,655; Nov. 24.
Milbourne, Charles G. (See Huff, W. J., and Milbourne.)
Milburn, Lessiter C., Wickliffe, assignor to The Glenn L. Martin Company, Cleveland, Ohio. Truss structure. 1,791,827; Feb. 10.
Milburn, Lessiter C., Wickliffe, assignor to The Glenn L. Martin Company, Cleveland, Ohio. Landing gear. 1,818,417; Aug. 11.
Milburn, Lessiter C., Wickliffe, assignor to The Glenn L. Martin Co., Cleveland, Ohio. Airplane wing slot control. 1,830,122; Nov. 3.
Milbury, Seth R., Irvington, N. J. Checking ring. 1,810,218; June 16.
Milcor Steel Company. (See Kuehn, Louis, assignor.)
Milcor Steel Company. (See Miller, E. S., and Stambaugh, assignors.)
Milcor Steel Company. (See Siebenlist, Anthony G., assignor.)
Mildenberger, Frederick J., Passaic, N. J. Alarm or signal for boilers. 1,811,800; June 23.
Mildren, Lory J. (See Taylor, James S., assignor.)
Mildren, Lory J., Ponca City, assignor to Hinderliter Tool Company, Tulsa, Okla. Casing head and tubing support. 1,835,891; Dec. 8.
Mileham, Willies E., Ottumwa, Iowa. Adjustable shoe heel cover guard for heel trimming machines. 1,832,994; Nov. 24.
Miles, Cecil W., et al. (See Albertson, Luther D., assignor.)
Miles, Fred J., Bakersfield, Calif. Ditch. 1,830,848; Nov. 10.
Miles, George W. (See Dreyfus, C., and Miles.)
Miles, George W., Boston, Mass., and C. Dreyfus, New York, N. Y., assignors to Celanese Corporation of America. Phosphoric acid solution of cellulose. 1,787,542; Jan. 6.
Miles, James C., Cleveland, Ohio. Heating and ventilating apparatus. 1,838,493; Dec. 29.
Miles, Lester H., Los Angeles, Calif. Siren rotor. 1,792,858; Feb. 17.
Miles Manufacturing Company, The. (See Gumper, Herman M., assignor.)
Miles, Ray C. (See Grisham, R. B., Vandivort, Grisham, and Miles.)
Miles, Thomas J., Buechel, Ky. Chair. 1,821,107; Sept. 1.
Miles, William A., Salisbury, Conn. Apparatus for molding in sand. 1,821,270; Sept. 1.
Miles, William C., White Plains, N. Y. Fish bait. 1,813,416; July 7.
Milette, Joseph A., Montreal, Quebec, Canada. Wind musical instrument. 1,823,838; Sept. 15.
Miley, Frank S. (See Jones, H. W., and Miley.)
Milhander, Jacob, Los Angeles, Calif. Pedal pad. 1,824,289; Sept. 22.
Milhime, John G., Chicago, Ill. Wardrobe hook. 1,835,419; Dec. 8.
Milhomme, Alexander, Ridgefield Park, assignor to Progressive Silk Finishing Co., Hoboken, N. J. Machine for producing moiré fabrics. 1,821,392; Sept. 1.
Millar, David, St. Louis, Mo. Cooking candy. 1,789,983; Jan. 27.
Millar, George A., Ridgefield Park, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Glass-working machine. 1,788,926; Jan. 13.
Millar, George A., Ridgefield Park, assignor to General Electric Vapor Lamp Co., Hoboken, N. J. Glass-working machinery. 1,788,927; Jan. 13.
Millar, George A., Ridgefield Park, assignor to General Electric Vapor Lamp Co., Hoboken, N. J. Glass-working machine. 1,789,014; Jan. 13.
Millar, George A., Ridgefield Park, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Glass working machinery. 1,832,039; Nov. 17.
Millar, Harold H. (See Millar, Preston S., and H. H.)
Millar, Preston S., Brooklyn, and H. H. Millar, assignors to Electrical Testing Laboratories, New York, N. Y. Optical illuminating system. 1,813,185; July 7.
Millar, William J., London, England. Electric resistance furnace. 1,832,872; Nov. 24.
Millard, Emmor H., Edgeworth, assignor, by mesne assignments, to McClintic-Marshall Corporation, Bethlehem, Pa. Steel frame house construction. 1,818,418; Aug. 11.
Millard, William R., Fort Worth, Tex. Re-railing frogs. 1,831,632; Nov. 10.
Milldown, Thomas, Red Lodge, Mont. Pie-removing device. 1,795,260; Mar. 3.
Millen, James, Malden, Mass. Illuminated dial. 1,790,939; Feb. 3.
Millen, James K., Lombardy, Miss. Vegetation chopper. 1,791,063; Feb. 3.
Miller, A. K. (See Miller, S. L., and Anderson, assignors.)
Miller, Albert F., Kansas City, Kans. Joint lock. 1,791,680; Feb. 10.
Miller, Alexander, Davenport, Iowa, assignor of one-third to I. Izack, and one-third to S. Riman, Chicago, Ill. Tank-cap-locking means. 1,794,386; Mar. 3.
Miller, Alexander, assignor to M. Miller and himself, as trustees, Donora, Pa. Amusement device. 1,814,520; July 14.
Miller, Amos L., Philadelphia, Pa., assignor to The Ault & Wiborg Co., Cincinnati, Ohio. Process and apparatus for the production from hydrocarbon oil of black pigment consisting of carbon. 1,807,321; May 26.
Miller, Anthony P. (See Roberts, Owen H., assignor.)
Miller, Anthony P., Pleasantville, N. J. Method of and apparatus for water filtration. 1,805,993; May 19.
Miller, Anthony P., Pleasantville, N. J. Installing sheet piling. 1,835,665; Dec. 8.
Miller, Anthony P., Pleasantville, N. J. Forming piling. 1,836,083; Dec. 15.
Miller, Arthur E. (See Salisbury, H. M., and Miller.)
Miller, Arthur E., Sacramento, Calif. Auxiliary propelling means for motor vehicles. 1,804,887; May 12.
Miller, Arthur E., and Charles H. Johnson, Sacramento, Calif. Incinerator. 1,799,829; Apr. 7.
Miller, Austin J., Detroit, Mich. Sprinkler head. 1,799,243; Apr. 7.
Miller, Benjamin H., Wadsworth, and R. M. Given, Barberton, Ohio, assignors to The Babcock & Wilson Company, Bayonne, N. J. Cooling chain grates. 1,798,747; Mar. 31.
Miller, Bert. (See Adams, J. S., and Miller.)
Miller, Bert C., Newark, N. J., assignor to S. D. Warren Company, Boston, Mass. Apparatus for treating flexible materials. 1,819,109; Aug. 18.
Miller, Bianca A., Ardmore, Pa. Separation method and apparatus. 1,818,640; Aug. 11.
Miller, Bianca A., Ardmore, Pa. Concentration method and apparatus. 1,822,362; Sept. 8.
Miller, Bruce, Louisville, Ky., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y. Acetylene cylinder. 1,799,803; Apr. 7.
Miller, Byron W., Denver, Colo. Power transmission mechanism. 1,819,566; Aug. 18.
Miller, Carl. (See Miller, Gustave, assignor.)
Miller, Carlton E., Palo Alto, Calif. Composition of matter. 1,791,630; Feb. 10.
Miller, Carlton E., Palo Alto, Calif. Golf balls. 1,795,732; Mar. 10.

Miller, Carlton E., Redwood City, Calif. High temperature heat insulation material and making the same. 1,811,516; June 23.
Miller, Charles. (See Feinstein, Max, assignor.)
Miller, Charles, Long Island, N. Y. Shoe. Des. 84,254; May 26.
Miller, Charles, Long Island City, N. Y. Shoe. Des. 84,587; July 7.
Miller, Charles, Long Island City, and A. A. Livers, New York, N. Y. Shoe. 1,807,792; June 2.
Miller, Charles, and L. Sholtz, New York, N. Y. Shoe. Des. 85,440; Oct. 27.
Miller, Charles, and L. Sholtz, New York, N. Y. Shoe. Des. 85,441; Oct. 27.
Miller, Charles A., New York, N. Y. Safety razor. 1,823,839; Sept. 15.
Miller, Charles C., Fort Wayne, Ind. Folding box. 1,833,492; Nov. 24.
Miller, Charles E., Pittsburgh, Pa. Insulator. 1,838,319; Dec. 29.
Miller, Charles F., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Stoker. 1,809,595; June 9.
Miller, Charles F., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Underfeed stoker construction. 1,809,906; June 16.
Miller, Charles F., Columbus, Ohio. Step attachment for ladders. 1,820,315; Aug. 25.
Miller, Charles H. (See Kanton, J., and Miller.)
Miller, Charles H., De Witt, Nebr. Chick feeder. 1,807,633; June 2.
Miller, Christian, New York, N. Y., assignor to Edwards and Company, Inc. Signaling apparatus. 1,831,873; Nov. 17.
Miller, Clarke C. (See Whitman, W. G., and Miller.)
Miller, Clytus C., Memphis, Tenn. Vending machine. 1,824,441; Sept. 22.
Miller, Company, The. (See Doane, Leroy C., assignor.)
Miller Company, The. (See Doane, L. C., and Norton, assignors.)
Miller Company, The. (See Ellis, H. E., and Williams, assignors.)
Miller Company, The. (See Farrar, Louis L., assignor.)
Miller Company, The. (See Norton, Guy P., assignor.)
Miller Company, The. (See Williams, F. T., and Ellis, assignors.)
Miller, Conda, Woodbury, Pa. Plow hitch. 1,815,794; July 21.
Miller, Conrad C. (See Eichenlaub, A. C., and Loeffler, assignors.)
Miller, Constantine G., Chicago, Ill., assignor to The Meaker Company. Plating machine automatic work shift. 1,809,136; June 9.
Miller, Constantine G., Chicago, Ill., assignor to The Meaker Company. Automatic conveyer and transfer mechanism. 1,809,137; June 9.
Miller, Constantine G., Chicago, Ill., assignor to The Meaker Co. Automatic chromium plating machine. 1,809,138; June 9.
Miller, Constantine G., Chicago, Ill., assignor to The Meaker Company. Automatic work shift for plating machines. 1,809,139; June 9.
Miller, Cuyler C., jr., Gillespie, Ill. Coal loading machine. 1,805,951; May 19.
Miller, Cyrus E. (See Farmer, Thomas A., assignor.)
Miller, Dale O., Detroit, Mich. Automatic regulator for stokers. 1,825,279; Sept. 29.
Miller, Daniel D., and E. J. Pratt, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic device. 1,795,499; Mar. 10.
Miller, Daniel L., Monroeton, and W. E. Pelton, Canton, Pa. Safety ax. 1,795,227; Mar. 3.
Miller, Daniel N., Pine Lawn, assignor to Multiplex Display Fixture Co., St. Louis, Mo. Display fixture. 1,838,276; Dec. 29.
Miller, Dewey M., and G. D. Thomas, Tralee, W. Va.; said Thomas assignor to said Miller. Method and apparatus for testing and truing emergency valves of triple valves. 1,823,279; Sept. 15.
Miller, Donald A., New Philadelphia, assignor to The Reeves Manufacturing Company, Dover, Ohio. Stove pipe seam. 1,829,754; Nov. 3.
Miller, Dora S., Los Angeles, Calif. Auto purse. Des. 83,002: Jan. 6.
Miller, Dorothy B., Repton, Isle of Wight, England. Funnel for liquids. 1,836,612; Dec. 15.
Miller, Dorr. (See Haskins, H. B. Floraday, and Miller.)
Miller, E. L., administrator. (See Mason, E. J., assignor, and Croft.)
Miller, Earl C., Gadsden, Ala. Roof covering. 1,829,488; Oct. 27.
Miller, Earl H., Sunnyside, Wash. Automatic air rifle. 1,818,810; Aug. 11.
Miller, Edward, Huntington Park, Calif., assignor to Evans Auto Loading Company, Inc., Detroit, Mich. Riving machine. 1,787,994; Jan. 6.
Miller, Edward, Huntington Park, Calif., assignor to Evans Products Company, Detroit, Mich. Riving machine. 1,828,873; Oct. 27.
Miller, Edward, Chicago, Ill. Handle for street car straps. 1,812,972; July 7.
Miller, Edward, Adrian, assignor to Evans Products Company, Detroit, Mich. Riving machine. 1,814,726; July 14.
Miller, Edward D., Inwood, W. Va., assignor to The C. H. Musselman Company, Biglerville, Pa. Can filling machine. 1,828,936; Oct. 27.
Miller, Edward M., assignor to J. B. Miller Keyless Lock Company, Kent, Ohio. Keyless lock. 1,825,467; Sept. 29.
Miller, Edward T. (See Young, Jacob C., assignor.)
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear generating machine. 1,802,181; Apr. 21.
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine and tool for shaving gear teeth. 1,807,665; June 2.
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Formed truing tool for helicoidal abrading wheels. 1,807,666; June 2.
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Truing means for helical cutting tools. 1,824,442; Sept. 22.
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Thread generating cutter. 1,833,255; Nov. 24.
Miller, Elias N., Los Angeles, Calif. Tie. 1,800,802; Apr. 14.
Miller, Elroy J., assignor to Michigan State Board of Agriculture, East Lansing, Mich. Production of ash free adsorbent carbon. 1,803,943; May 5.
Miller, Elsie F., New York, N. Y. Hat protector. 1,831,680; Nov. 10.
Miller, Emmet S., and R. W. Stambaugh, assignors, by mesne assignments, to Milcor Steel Company, Milwaukee, Wis. Staple. 1,793,816; Feb. 24.
Miller, Ernest B. (See Phillips, James I., assignor.)
Miller, Ernest B., Baltimore, Md. Regenerative refrigerating apparatus. 1,790,757; Feb. 3.
Miller, Ernest B., assignor to The Silica Gel Corporation, Baltimore, Md. Catalyzing gaseous reactions. 1,799,858; Apr. 7.
Miller, Ernest B., assignor to The Silica Gel Corporation, Baltimore, Md. Revivifying adsorbent materials. 1,822,303; Sept. 8.
Miller, Ernest B., and A. Benzon, assignors to The Silica Gel Corporation, Baltimore, Md. Refrigeration. 1,790,067: Jan. 27.
Miller, Ernest B., and W. L. Edel, assignors to The Silica Gel Corporation, Baltimore, Md. Oscillating type refrigeration plant. 1,807,855; June 2.
Miller, Ernest E., David City, Nebr. Vehicle radiator. 1,803,764; May 5.
Miller, Ernest W., Bowling Green, Ohio. Ventilating system for brooders. 1,798,695; Mar. 31.
Miller, Erwin E., Fullerton, Calif. Expansible packer for hydraulic plungers. 1,806,078; May 19.
Miller, Erwin E., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing adjusting and locking device. 1,812,973; July 7.
Miller, Eseck C., Newark, N. J., assignor of one-fourth to M. Kirschstein, New York, N. Y. Candy machine and making candy. 1,800,695; Apr. 14.
Miller, Everett, Blackfork, Ohio. Apple picker. 1,825,599; Sept. 29.
Miller, Frank D. (See Sadusky, T. A., Marlowe, and Miller.)
Miller, Frank E., New York, N. Y. Electrical system for producing musical tones. 1,791,319; Feb. 3.
Miller, Frank E., New York, N. Y. Electrical stethoscope. 1,791,932; Feb. 10.
Miller, Frank P., and L. Skeel, assignors to McCrosky Tool Corporation, Meadville, Pa. Power hammer. 1,800,465; Apr. 14.
Miller, Frank W., Chicago, Ill. Locomotive refilling apparatus. 1,822,233; Sept. 8.
Miller, Frank W., assignor to Franclare Company, Chicago, Ill. Boiler blow-off and refilling system. 1,812,974; July 7.
Miller, Frank W., assignor to H. S. Hart and C. F. Fitts, trustees, Chicago, Ill. Cleaning apparatus. 1,820,316; Aug. 25.
Miller, Frans E., assignor of thirty one-hundredths to S. Miller and thirty one-hundredths to F. B. Rourke, Oakland, Calif. Floor supported wall bed. 1,834,794; Dec. 1.
Miller, Fred A. (See Bullivant, F. J., and Miller.)
Miller, Fred W., Armstrong, Ind. Animal trap. 1,797,784; Mar. 24.
Miller, Fred W., Chicago, Ill. Valve grinder. 1,808,856; June 9.
Miller, Frederic H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Suspension clamp. 1,793,505; Feb. 24.
Miller, Frederic H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Conductor clamp. 1,799,114; Mar. 31.
Miller, Frederic H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Suspension clamp. 1,801,779; Apr. 21.
Miller, Frederic H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Suspension clamp. 1,801,780; Apr. 21.
Miller, Frederic H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Suspension clamp. 1,810,053; June 16.
Miller, Frederick W., Hockley Heath, England. Reproducing designs in metal. 1,804,021; May 5.

Miller, George, Chicago, Ill. Wing structure for aircraft and the like. 1,809,721; June 9.
Miller, George, North Syracuse, N. Y. Collapsible tripod. 1,824,165; Sept. 22.
Miller, George E., Etna, Pa. Tap. 1,817,575; Aug. 4.
Miller, George F., Jersey City, N. J. Locomotive headlight. 1,817,091; Aug. 4.
Miller, George H., assignor to Metal Forms Corporation, Milwaukee, Wis. Step form. 1,803,719; May 5.
Miller, George H., assignor to Metal Forms Corporation, Milwaukee, Wis. Stake box. 1,814,521; July 14.
Miller, George J., Chelsfield, England. Seed drill. 1,826,560; Oct. 6.
Miller, George L., and J. Mikulasek, assignor to The Maytag Company, Newton, Iowa. Safety overload governor cut out switch for electric motors. 1,822,304; Sept. 8.
Miller, George M., assignor to Slaymaker Lock Company, Lancaster, Pa. Finger operable padlock. 1,835,317; Dec. 8.
Miller, Gustav A., Seattle, Wash. Glider propulsion device. 1,805,834; May 19.
Miller, Gustave, assignor to Carl Miller, New Haven, Conn. Golf tee. 1,821,475; Sept. 1.
Miller, Gyon, and A. H. Standley, assignors to Downington Manufacturing Company, Downingtown, Pa. Pneumatic suction box for suction rolls. 1,800,149; Apr. 7.
Miller, H. H., Industries Company, The. (See Hagen, John H., assignor.)
Miller, H. H., Industries Company, The. (See Miller, Morris E., assignor.)
Miller, H. H., Industries Company, The. (See Morrow, Clifford, assignor.)
Miller, H. H., Industries Company, The. (See Pfouts, Leroy S., assignor.)
Miller, Hans R., Fergus Falls, Minn. Road building machine. 1,827,897; Oct. 20.
Miller, Harry A., Akron, Ohio, assignor to Seiberling Rubber Company. Flexible sealing ring for the manufacture of pneumatic-tire casings. 1,791,737; Feb. 10.
Miller, Harry A., Edmond, Okla. Locking device for gear shift levers. 1,815,417; July 21.
Miller, Harry D. (See Nichols, W. S., and Miller.)
Miller, Harry E., Baltimore, Md., assignor to General Electric Company. Electric switch. 1,832,721; Nov. 17.
Miller, Harry G., Denver, Colo., assignor to Miller Service Tool Co., Milwaukee, Wis. Grinding machine. 1,789,490; Jan. 20.
Miller, Harry J., Reading, Pa. Box. Des. 84,997; Sept. 1.
Miller, Harry L., Chester, Pa. Heat exchange apparatus. 1,803,435; May 5.
Miller, Harry L., Chester, Pa. Cooler. 1,816,984; Aug. 4.
Miller, Harry L., Chester, Pa. Cooler. 1,821,846; Sept. 1.
Miller, Harvey B., Staunton, Va., and P. X. Rice, Danville, Ill., assignors to The Miller Train Control Corporation, Staunton, Va. Train control system. 1,835,716; Dec. 8.
Miller, Harvey O., Chicago, Ill. Device for scraping and cleaning the face of a golf club. Des. 84,534; June 30.
Miller, Henry, Lincoln, Nebr. Shirt. 1,818,811; Aug. 11.
Miller, Henry, assignor to W. C. Edge Jewelry Co., Newark, N. J. Fabricated metallic structure for jewelry and the like. 1,797,583; Mar. 24.
Miller, Henry, assignor to A. O. Smith Corporation, Milwaukee, Wis. Tool for bending tubular articles. 1,804,384; May 5.
Miller, Henry, St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Locomotive tender. 1,833,466; Nov. 24.
Miller, Henry, assignor to A. O. Smith Corporation, Milwaukee, Wis. Welding electrode. 1,834,069; Dec. 1.
Miller, Henry C., Waterford, N. Y. Buttonhole machine. 1,807,699; June 2.
Miller, Henry C., deceased, First Wisconsin Trust Company, of Milwaukee, executor, assignor, by mesne assignments, to Stationers Loose Leaf Co., Milwaukee, Wis. Visible-record system. 1,787,755; Jan. 6.
Miller, Henry C., and G. P. Sumner, deceased, London, M. Sumner, executrix, Acton, England; said executrix assignor to said Henry C. Miller. Hydraulic jack. 1,816,736; July 28.
Miller, Henry R., Bernville, assignor of one-half to Paul A. Holzman, Tulpehocken, Pa. Switch. 1,831,604; Nov. 10.
Miller, Herbert A. (See Poole, Roscoe D., assignor.)
Miller, Herbert E., Allentown, Pa. Cable support. 1,830,438; Nov. 3.
Miller, Herbert W., Beverly Hills, Calif. Direction signal. 1,828,119; Oct. 20.
Miller, Herman, Zeeland, Mich. Combined clock case and shelving. Des. 84,358; June 9.
Miller, Herman, assignor to Burrel Engineering & Construction Company, Chicago, Ill. Oil burner. 1,820,758; Aug. 25.
Miller, Herman C., assignor to The United Metal Products Company, Canton, Ohio. Producing wood effects upon metal panels. 1,794,528; Mar. 3.
Miller, Herman, Clock Company. (See De Pree, Dick J., assignor.)
Miller, I., & Sons, Inc. (See Perugia, Andre, assignor.)
Miller Improved Gas Engine Company, The. (See Watts, Elmer A., assignor.)
Miller, Isaac. (See Becker, E., and Miller.)
Miller, J. B., Keyless Lock Company. (See Miller, Edward M., assignor.)
Miller, Jacob C., Milwaukee, Wis., assignor, by mesne assignments, to The Fuller Company. Dispensing-nozzle device. 1,797,272; Mar. 24.
Miller, James A., jr., New Rochelle, N. Y. Fastening means. 1,814,760; July 14.
Miller, James S., Trenton, N. J. Towel holder. 1,832,040; Nov. 17.
Miller, James S., Pittsburgh, Pa., assignor to Dravo Contracting Company. Dam. 1,809,636; June 9.
Miller, James W., Louisville, Ky. Lid fastener. 1,802,214; Apr. 21.
Miller, John. (See Birong, N. J., and Miller.)
Miller, John A., Homewood, Ill. Pleasure railway structure. 1,825,468; Sept. 29.
Miller, John A., Homewood, Ill. Brake structure. 1,827,162; Oct. 13.
Miller, John C., Chicago, Ill. Apparatus for cleaning out conduits and the like. 1,817,015; Aug. 4.
Miller, John C., Cantonment, Fla. Mold. 1,817,391; Aug. 4.
Miller, John C., jr., Chicago, Ill., assignor, by mesne assignments, to The Lake Erie Chemical Company, Cleveland, Ohio. Safe-protection installation. 1,788,119; Jan. 6.
Miller, John C., jr., Chicago, Ill., assignor, by mesne assignments, to The Lake Erie Chemical Company, Cleveland, Ohio. Vault protection. 1,788,120; Jan. 6.
Miller, John C., jr., Chicago, Ill., assignor, by mesne assignments, to The Lake Erie Chemical Company, Cleveland, Ohio. Vault-protective device. 1,797,785; Mar. 24.
Miller, John J. A., Denver, Colo. Combined clamp and hook for cables and ropes. 1,791,631; Feb. 10.
Miller, John J. A., Denver, Colo. Attaching means for tow lines, slings, and the like. 1,831,074; Nov. 10.
Miller, John J., R. J. Demeree, and H. Delafield; said Demeree assignor to R. L. Hunter, Chicago, Ill. Coffee urn. 1,830,000; Nov. 3.
Miller, John H., Oak Park, assignor to Jewell Electrical Instrument Co., Chicago, Ill. Electric meter. 1,794,117; Feb. 24.
Miller, John H., Oak Park, assignor to Jewell Electrical Instrument Co., Chicago, Ill. Balance mechanism for instruments. 1,824,561; Sept. 22.
Miller, John L. (See Bailey, J., and Miller.)
Miller, John M., Washington, D. C., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Method of and apparatus for the control of electrical currents. 1,787,732; Jan. 6.
Miller, John M., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. System of reaction control. 1,787,950; Jan. 6.
Miller, John M., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. System for reducing or eliminating reaction. 1,790,165; Jan. 27.
Miller, John M., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Tuning system. 1,819,299; Aug. 18.
Miller, John M., New Brunswick, N. J., assignor to C. Shepard, Rochester, N. Y. Hull. 1,809,306; June 9.
Miller, John M., assignor to Owens Development Corporation, New York, N. Y. Compensating governor. 1,823,280; Sept. 15.
Miller, John R. (See Loch, H. O., Miller, and Tibbals.)
Miller, John R., Baldwin Park, Calif. Can punch and cover. 1,824,290; Sept. 22.
Miller, John W., et al. (See Spiegel, Edward R., assignor.)
Miller, Joseph, assignor to Universal Luggage Carrier Inc., Brooklyn, N. Y. Trunk rack. 1,800,466; Apr. 14.
Miller, Joseph A., assignor to Draper Corporation, Hopedale, Mass. Oil-measuring device. 1,792,464; Feb. 10.
Miller, Joseph A., Hopedale, Mass., assignor to Draper Corporation. Spindle bearing. 1,802,772; Apr. 28.
Miller, Joseph H., Houston, Tex. Can for dispensing fluids. 1,794,086; Feb. 24.
Miller, Joseph H., San Diego, Calif. Sausage linking machine. 1,839,043; Dec. 29.
Miller, Joseph J., Fresno, Calif. Machine for trade-marking and grade-marking lumber. 1,796,609; Mar. 17.
Miller, Joseph J., and G. A. Weigt, Fresno, assignors of one-third to E. Weimar, Pinedale, Calif. Automatic material feeding machine. 1,838,780; Dec. 29.
Miller, Josephus, Louisville, Ky. Edge trimming and mowing machine. 1,831,681; Nov. 10.
Miller, Juanita, Oakland, Calif. Harp. 1,799,696; Apr. 7.
Miller, Kenneth W. (See Halperin, H., and Miller.)
Miller, Kinney I., Lancaster, Mo. Automatic water fountain for poultry. 1,801,932; Apr. 21.
Miller, Lavon D., Hicksville, Ohio. Bent wood handle manufacture. 1,825,409; Sept. 29.
Miller, Leonard L., Louisville, Ky. Comb. 1,819,433; Aug. 18.
Miller, Lewis N., Elyria, Ohio. Journal-bearing protector. Re17,972; Feb. 17.
Miller, Lloyd P., Allerton, Mass. Steering device for outboard motor boats. 1,825,240; Sept. 29.
Miller, Lloyd E., Cleveland Heights, assignor to The Reliance Electric and Engineering Company, Cleveland, Ohio. Winder drive. 1,824,614; Sept. 22.
Miller, Lorin O., Dunkirk, Ind. Device for transferring aeroplane mail. 1,802,730; Apr. 28.
Miller, Loyal J., et al. (See Rodgers, Arthur L., assignor.)
Miller Manufacturing Co., The. (See Miller, Robert E., assignor.)

Miller, Mary A., Lancaster, Pa. Support for baking crust. 1,825,535; Sept. 29.
Miller, Maurice, Pottstown, Pa. Method of and apparatus for blocking hats. 1,805,220; May 12.
Miller, Max A., assignor to Milwell Electric Devices Corporation, New York, N. Y. Method of and apparatus for testing metals and alloys. 1,814,522; July 14.
Miller, Max C., Cumberland, R. I. Knitting machine. 1,790,940; Feb. 3.
Miller, Max C., Cumberland, R. I. Knitting machine. 1,797,435; Mar. 24.
Miller, Max C., Cumberland, R. I. Knitting machine. 1,797,436; Mar. 24.
Miller, Max C., Cumberland, R. I. Knitting machine. 1,805,000; May 12.
Miller, Max C., Cumberland, R. I. Knitting machine. 1,809,057; June 9.
Miller, Max C., Cumberland, R. I. Knitting machine. 1,830,069; Nov. 3.
Miller, Max C., Cumberland, R. I. Yarn changing mechanism for knitting machines. 1,837,470; Dec. 22.
Miller, Michael E., Washington, D. C. Valve. 1,811,418; June 23.
Miller, Morris E., assignor to The H. H. Miller Industries Company, Canton, Ohio. Valve. 1,807,856; June 2.
Miller, Morris E., assignor to The H. H. Miller Industries Company, Canton, Ohio. Packing means for food materials. 1,824,359; Sept. 22.
Miller, Mose. (See Miller, Alexander, assignor.)
Miller, O. A., Treeing Machine Company. (See Loney, John W., assignor.)
Miller, Ohmer R., Floral Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control system for transmission of signals. 1,811,858; June 30.
Miller, Osborn M., New York, N. Y. Print. 1,818,080; Aug. 11.
Miller, Oscar, Spokane, Wash. Pig feeding and oiling device. 1,818,419; Aug. 11.
Miller, Paul, Chicago, Ill. Envelope. 1,823,114; Sept. 15.
Miller, Paul M. (See Cooke, Erwin T., assignor.)
Miller, Paul V., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I. Snap thread gauge. 1,817,637; Aug. 4.
Miller, Peter J. N. (See Extrom, V. E., and Miller.)
Miller, Philip M., Brooklyn, N. Y. Means locking pneumatic tires on wheels. 1,817,700; Aug. 4.
Miller, Ralph, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Internal combustion engine. 1,805,670; May 19.
Miller, Ralph J., assignor to Gishold Machine Company, Madison, Wis. Stock bar feeder. 1,815,574; July 21.
Miller, Ralph K., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,829,417; Oct. 27.
Miller, Rasmus K., jr., Winchester, Mass. Mattress tick. 1,835,075; Dec. 8.
Miller, Richard G., Huntington, W. Va., assignor to Roberts and Schaefer Company, Chicago, Ill. Picking screen. 1,830,070; Nov. 3.
Miller, Robert A., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifying system. 1,816,862; Aug. 4.
Miller, Robert A., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission system. 1,823,659; Sept. 15.
Miller, Robert A., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Plate glass surfacing block. 1,836,542; Dec. 15.
Miller, Robert E., Bronxville, N. Y. Combination pot and pot-cover rack. 1,787,587; Jan. 6.
Miller, Robert E., Bronxville, N. Y. Furniture leg shoe. 1,805,252; May 12.
Miller, Robert E., assignor to The Miller Manufacturing Co., Bainbridge, Ga. Bottle unloader. 1,810,432; June 16.
Miller, Robert H., Los Angeles, assignor to Shell Oil Company, San Francisco, Calif. Inclination recording device. 1,829,104; Oct. 27.
Miller, Robert N., Altoona, Pa. Locomotive scale. 1,821,661; Sept. 1.
Miller, Robert W., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Knuckle joint means. 1,824,028; Sept. 22.
Miller, Rollin B., Toledo, Ohio. Hydraulic variable speed power transmitting mechanism. 1,820,083; Aug. 25.
Miller, Rollin B., Detroit, Mich. Variable speed power transmitting mechanism. 1,835,318; Dec. 8.
Miller, Roy. (See McCartney, C. E., and Miller.)
Miller, Roy E., Pottsville, Pa. Merry-go-round. 1,798,098; Mar. 24.
Miller Rubber Company. (See Howes, Leonard R., assignor.)
Miller Rubber Company, The. (See Collins, Arthur E., assignor.)
Miller Rubber Company Inc. (See Collins, A. E., and McLaughlin, assignors.)
Miller Rubber Company, Inc., The. (See Fenton, Frank, assignor.)
Miller Rubber Company, Inc. (See Griffiths, Richart T., assignor.)
Miller Rubber Company Inc. (See Riley, Ralph E., assignor.)
Miller, Rudolph W., Brooklyn, N. Y. Cribbing. 1,794,704; Mar. 3.
Miller, Samuel E. (See Hentschel, E. J., and Miller.)
Miller, Samuel F., Bay Head, N. J., assignor to Pacific Flush Tank Company, New York, N. Y. Sludge digestion apparatus. 1,806,698; May 26.
Miller, Samuel L., and C. J. Anderson, assignors to A. K. Miller, Chicago, Ill. Coin-controlled timing device. 1,799,056; Mar. 31.
Miller, Samuel M. D., Detroit, Mich. Clutch. 1,812,163; June 30.
Miller, Samuel W., Hollis, N. Y., assignor to Oxweld Acetylene Company. Heat retaining hood for gas or electric fusion welding. 1,805,181; May 12.
Miller, Samuel W., Hollis, N. Y., assignor to Oxweld Acetylene Company. Annealing fusion welds. 1,828,977; Oct. 27.
Miller, Samuel W., Hollis, N. Y., assignor to The Linde Air Products Company. Fusion welded joint. 1,835,236; Dec. 8.
Miller Service Tool Co. (See Miller, Harry G., assignor.)
Miller, Sherman, Schenectady, N. Y. Bell. 1,808,313; June 2.
Miller, Siegfried, et al. (See Miller, Frans E., assignor.)
Miller, Simon, & Co. (See Stetter, Fritz C., assignor.)
Miller, Stuart P., Philadelphia, Pa., assignor to The Barrett Company. Distillation process. 1,800,224; Apr. 14.
Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Flaking pitch. 1,807,223; May 26.
Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Production of fuel, etc. 1,812,829; June 30.
Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company. Recovering tar acids. 1,819,687; Aug. 18.
Miller, Stuart P., Glen Ridge, N. J., assignor to The Barrett Company, New York, N. Y. Fuel composition and preparing the same. 1,811,953; June 30.
Miller, Stuart P., Glen Ridge, N. J., assignor to The Barrett Company, New York, N. Y. Recovery of tar acids. 1,825,809; Oct. 6.
Miller, Stuart P., Glen Ridge, N. J., assignor to The Barrett Company, New York, N. Y. Producing creosote oils. 1,826,429; Oct. 6.
Miller, Stuart P., Glen Ridge, N. J., assignor to The Barrett Company, New York, N. Y. Recovery of creosote oils, tar acids, etc. 1,826,430; Oct. 6.
Miller, Stuart P., Glen Ridge, N. J., assignor to The Barrett Company, New York, N. Y. Recovery of tar acids and other products. 1,826,431; Oct. 6.
Miller, Stuart P., Glen Ridge, N. J., assignor to The Barrett Company, New York, N. Y. Recovery of ammonia and other products from coke oven gases. 1,826,561; Oct. 6.
Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Company, New York, N. Y. Pitch composition and making the same. 1,826,428; Oct. 6.
Miller, Taylor L., Silverton, Tex. Carrying handle. 1,810,840; June 16.
Miller, Theodore A., assignor to A. J. Fleiter, Akron, Ohio. Vulcanizer. 1,811,276; June 23.
Miller, Thomas S., South Orange, N. J. Device for hoisting a floating object subject to wave action. 1,804,945; May 12.
Miller, Thomas W., and A. D. Greene, assignors to The Faultless Rubber Company, Ashland, Ohio. Cover for containers. 1,819,913; Aug. 18.
Miller, Tillie, Cheyenne, Wyo. Edging fabrics. 1,793,630; Feb. 24.
Miller Train Control Corporation, The. (See Miller, H. B., and Rice, assignors.)
Miller Train Control Corporation, The. (See Rice, Philip X., assignor.)
Miller, Victor F. (See Labaugh, James H., and Miller.)
Miller, Waldemar, New York, N. Y. Landing gear for aeroplanes. 1,810,054; June 16.
Miller, William, Dunston-on-Tyne, and H. T. Lam, Newcastle-on-Tyne, England. Free wheel clutch for motor vehicles and the like. 1,823,113; Sept. 15.
Miller, William B., Lakewood, Ohio. Floor and component elements thereof. 1,800,951; Apr. 14.
Miller, William B., Lakewood, Ohio. Flooring and component parts thereof. 1,800,952; Apr. 14.
Miller, William G. (See Mahon, R. C., and Miller.)
Miller, William G., Bellevue, Pa. Transmission chock for automobiles. 1,819,914; Aug. 18.
Miller, William H. (See Monn, J. C., and Miller.)
Miller, Wm. J., et al. (See Miller, W. J., and Jones, assignors.)
Miller, William J., Swissvale, Pa. Pottery-forming machine. 1,788,402; Jan. 13.
Miller, William J., Swissvale, Pa. Automatic manufacture of pottery ware. 1,809,861; June 16.
Miller, William J., Swissvale, Pa. Pottery forming machine. 1,812,893; July 7.
Miller, William J., Swissvale, Pa. Feeding glass and means therefor. 1,830,849; Nov. 10.
Miller, William J., Swissvale, Pa. Method of and apparatus for forming and applying appendages to ware in the manufacture of pottery. 1,838,277; Dec. 29.
Miller, William J., Swissvale Borough, assignor to W. J. Miller, Inc., Swissvale, Pa. Take-out for glass-fabricating machines. 1,795,665; Mar. 10.
Miller, William J., Swissvale, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Glass fabricating machine. 1,835,172; Dec. 8.

Miller, William J., Sulphur, La. Release spear. 1,789,247; Jan. 13.
Miller, William J., Sulphur, La. Rotating spear. 1,813,459; July 7.
Miller, William J., Sulphur, La. Balanced slide valve for steam engines. 1,824,224; Sept. 22.
Miller, William J., Sulphur, La. Oil well testing device. 1,837,788; Dec. 22.
Miller, William J., assignor of one-half to W. E. Ranney, Columbus, Ohio. Apparatus for electric welding. 1,804,059; May 5.
Miller, William J., assignor to F. O. Schoedinger, Columbus, Ohio. Operating table. 1,814,482; July 14.
Miller, William J., Swissvale, Pa. Method of and apparatus for feeding and forming plastic material in the manufacture of pottery. 1,827,759; Oct. 20.
Miller, William J., Swissvale, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Mechanism for manufacturing glassware. 1,828,674; Oct. 20.
Miller, William J., Inc. (See Miller, William J., assignor.)
Miller, William J., and F. R. Jones, Sulphur, La., assignors of three-fourths to W. J. Miller and one-fourth to F. R. Jones. Wedge key block. 1,824,729; Sept. 22.
Miller, William L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Leading-in conductor. 1,834,132; Dec. 1.
Miller, William M., assignor to Excel Rosary & Novelty Co., Inc., North Attleboro, Mass. Neck chain or similar article. Des. 84,046; Apr. 28.
Miller, William R. (See Voorhies, J., Miller, and Peoples.)
Miller, Willmam I., Chicago, Ill. Propeller. 1,814,175; July 14.
Millermaster, Ralph A., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric snap switch. 1,796,854; Mar. 17.
Millermaster, Ralph A., and C. Petersen, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Key operated electric switch. 1,825,325; Sept. 29.
Millers Falls Company. (See Fox, Charles H., assignor.)
Millers Falls Company. (See Moretti, Whitfield, assignor.)
Millers Falls Company. (See Wilcox, George R., assignor.)
Milleville, Michel, Detroit, Mich. Metal wall construction. 1,807,667; June 2.
Milligan, Abner L., Atlanta, Ga., assignor to American Slicing Machine Co., Chicago, Ill. Stacker. 1,824,913; Sept. 29.
Milligan, Albert J., San Francisco, Calif. Gas appliance. 1,805,835; May 19.
Milligan, Charles H., assignor to The Champion Coated Paper Company, Hamilton, Ohio. Optical apparatus for determining finish on paper. 1,810,433; June 16.
Milligan, Charles H., Newark, N. J., assignor to The American Agricultural Chemical Company. Obtaining orthophosphoric acid and/or conversion products thereof. 1,838,431; Dec. 29.
Milligan, George, Manchester, England. Camera using roll films. 1,814,727; July 14.
Milligan, Henry C., Canton, Ohio. Flexible vitreous coating for metals. 1,827,536; Oct. 13.
Milligan, Lowell H. (See Saunders, L. E., Milligan, and Beecher.)
Milligan, Williams G., Akron, Ohio. Control for motor vehicles. 1,793,817; Feb. 24.
Milliken, Foster, Lawrence, N. Y., assignor to Milliken Valve Corporation. Valve for use with heated fluids. 1,795,281; Mar. 3.
Milliken, Mahlon G., Parlin, N. J., assignor to Hercules Powder Company, Wilmington, Del. Digestion of nitrocellulose. 1,818,733; Aug. 11.
Milliken Valve Corporation. (See Milliken, Foster, assignor.)
Millman, David H., New York, N. Y. Making bust supporters. 1,799,921; Apr. 7.
Millmine, Herbert W. (See Penick, K. T., Penick, and Millmine.)
Millray, Joseph, Homewood, Ill., assignor of one-half to R. R. Kane, Chicago, Ill. Truck platform. 1,797,874; Mar. 24.
Mills, Alex. (See Boykin, Robert O., assignor.)
Mills, Alfred H., Elmhurst, N. Y. Storm door. 1,788,928; Jan. 13.
Mills Alloys Inc. (See Mills, Oscar L., assignor.)
Mills, Bertram M., Pawtucket, R. I. Air moistener. 1,815,951; July 28.
Mills, Bertram M., assignor to The Standard Engineering Works, Pawtucket, R. I. Humidifier. 1,812,356; June 30.
Mills, Chester B. (See Bassett, P. R., and Mills.)
Mills, Chester B., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Searchlight. 1,801,285; Apr. 21.
Mills, Chester B., deceased; L. H. Mills, Brooklyn, and The National City Bank of New York, New York, N. Y., coexecutors, assignors, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Indicating device. 1,815,575; July 21.
Mills, Chester H., Wichita, Kans. Self computing leveling rod. 1,811,859; June 30.
Mills Company, The. (See Winslow, Edward N., assignor.)
Mills, Frank L., Chicago, Ill. Animal bed. 1,820,283; Aug. 25.
Mills, Frank L., Chicago, Ill. Animal bed. 1,820 284; Aug. 25.
Mills, Frank L., Chicago, Ill. Bed. 1,820,285; Aug. 25.
Mills, Fred L., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Coin-controlled punch board. 1,790,055; Jan. 27.
Mills, Fred L., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Vending machine. 1,802,981; Apr. 28.
Mills, Fred L., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Coin-controlled vending machine. 1,805,837; May 19.
Mills, Fred L., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Target practice vending machine. 1,805,838; May 19.
Mills, George W., jr. (See Birdsall, Albert H., assignor.)
Mills, Harry L., Harvey, Ill., assignor to Centrifugal Separation Company. Centrifugal separating apparatus. 1,810,922; June 23.
Mills, Harry R., St. Louis, Mo., assignor, by mesne assignments, to E. Reich, Chicago, Ill. Electrical cooking machine. 1,839,112; Dec. 29.
Mills, J., & Co. et al. (See Willshaw, H., Gorham, and Ramsbottom, assignors.)
Mills, James E., Larchmont, assignor to Inecto, Inc., New York, N. Y. Hair sample color chart. 1,801,751; Apr. 21.
Mills, John B., assignor to Ohmer Fare Register Company, Dayton, Ohio. Registering device. 1,807,163; May 26.
Mills, John B., assignor to Ohmer Fare Register Company, Dayton, Ohio. Indicator. 1,815,722; July 21.
Mills, Joseph A., East Kirkby, England. Manufacture of knitted garments or fabrics on circular-knitting machines. 1,794,414; Mar. 3.
Mills, Joseph A., East Kirkby, England. Knitting machine. 1,794,415; Mar. 3.
Mills, Louis D., and T. B. Crowe, Palo Alto, assignors to The Merrill Company, San Francisco, Calif. Cyanide recovery process. 1,809,248; June 9.
Mills, Luella H., et al., coexecutors. (See Mills, Chester B., assignors.)
Mills Novelty Company. (See Long, Thomas, assignor.)
Mills Novelty Company. (See Mills, Fred L., assignor.)
Mills, Oscar L., Los Angeles, Calif. Electric welding process. 1,817,092; Aug. 4.
Mills, Oscar L., assignor to Mills Alloys Inc., Los Angeles, Calif. Electric-arc furnace. Re17,954; Feb. 3.
Mills, Oscar L., assignor to Mills Alloys Inc., Los Angeles, Calif. Manufacturing tungsten carbide. 1,812,357; June 30.
Mills, Percy E., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin-collection apparatus. 1,790,673; Feb. 3.
Mills, Thomas J. (See Morris, E. T., and Mills.)
Mills, Wallace C., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Spool. 1,792,753; Feb. 17.
Mills, Wallace C., assignor to J. L. Clark Manufacturing Company, Rockford, Ill. Spool or reel. 1,818,149; Aug. 11.
Mills, William C., and A. C. Frist, Long Beach, Calif. Windshield. 1,834,469; Dec. 1.
Mills, William H., Attleboro, Mass. Life saving and salvage apparatus for use with submarines. 1,803,944; May 5.
Mills, William S. (See Arnold, Satterlee T., assignor.)
Mills, William W., Rockford, Ill. Ventilating device. 1,794,635; Mar. 3.
Millspaugh, William H., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Traversable suction roll for paper-making machines. 1,789,445; Jan. 20.
Millspaugh, William H., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Combined boring and turning machine. 1,799,384; Apr. 7.
Millspaugh, William H., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Centrifugal casting machine. 1,802,613; Apr. 28.
Millspaugh, William H., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Gearless suction roll. 1,805,671; May 19.
Millspaugh, William H., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Countersunk suction roll shell. 1,805,780; May 19.
Millspaugh, William H., assignor to The Paper & Textile Machinery Co., Sandusky, Ohio. Paper making machine. 1,808,055; June 2.
Millspaugh, William H., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Centrifugal casting machine. 1,814,176; July 14.
Millspaugh, William H., assignor to Paper & Textile Machinery Company, Sandusky, Ohio. Gearless suction roll with extended suction box. 1,819,332; Aug. 18.
Millspaugh, William H., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Centrifugal casting method. 1,828,335; Oct. 20.
Millspaugh, William H., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Suction roll. 1,834,470; Dec. 1.
Milmoe, Michael J., assignor to F. B. Redington Company, Chicago, Ill. Package and forming the same. 1,793,710; Feb. 24.
Milmoe, Michael J., assignor to F. B. Redington Company, Chicago, Ill. Packaging machine. 1,818,496; Aug. 11.

Milmoe, Michael J., assignor to F. B. Redington Company, Chicago, Ill. Wrapping and sealing machine. 1,818,497; Aug. 11.
Milmoe, Michael J., assignor to F. B. Redington Co., Chicago, Ill. Wrapping and sealing machine. 1,818,498; Aug. 11.
Milne Neckwear Limited. (See Hall, Harvey C., assignor.)
Milne, Samuel, Edinburgh, Scotland. Fourdrinier paper-making machine. 1,798,801; Mar. 31.
Milne, Samuel, Edinburgh, Scotland. Digestion of raw materials. 1,800,870; Apr. 14.
Milne, William M., jr., Brooklyn, N. Y. Vanity box. 1,829,105; Oct. 27.
Milne, Winford G. (See Elliott, W. N., and Milne.)
Milner, Clyde H., Rochester, Pa. Nozzle for molten-metal containers. 1,832,873; Nov. 24.
Milner, Nugent, assignor to Graham Brothers, Evansville, Ind. Truck body. 1,809,348; June 9.
Milner, Wilfred R., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Roadster tire carrier. 1,837,666; Dec. 22.
Milner, William B., Dunkirk, N. Y. Valve. 1,807,490; May 26.
Milnesia Laboratories Incorporated. (See Crossley, Frank, assignor.)
Milnor, Joseph W. (See Sindeband, M. L., Tidd, and Milnor.)
Milnor, Joseph W., Maplewood, N. J. Loud speaker horn. 1,801,521; Apr. 21.
Milnor, Joseph W., Maplewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Artificial line network. 1,809,560; June 9.
Milnor, Joseph W., Maplewood, and W. D. Cannon, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Artificial line network. 1,815,629; July 21.
Milone, Samuel, assignor, by mesne assignments, to Earle Anti-Freeze Valve Corporation, Camden, N. J. Antifreeze device for water systems. 1,820,473; Aug. 25.
Milsk, George. (See Rymal, Cecil H., assignor.)
Miltenberger, Eugene F., Red Bank, N. J., assignor to Eastern Corporation, New York, N. Y. Mold carrying conveyer. 1,816,336; July 28.
Milton, John L., assignor to Cheatham Electric Switching Device Co., Louisville, Ky. Switch throwing device. 1,825,469; Sept. 29.
Milwaukee Air Power Pump Company. (See Rogers, Homer S., assignor.)
Milwaukee Brush Manufacturing Company, The. (See Cornell, Irsil L. G., assignor.)
Milwaukee Flush Valve Company. (See Judell, Julius S., assignor.)
Milwaukee Gas Specialty Company. (See Shadrick, Richard H., assignor.)
Milwaukee Lace Paper Company. (See Graffenberger, Friedrich, assignor.)
Milwaukee Paper Box Company. (See Buswell, James H., assignor.)
Milwaukee Paper Box Company, The. (See Carlson, Walter C., assignor.)
Milwaukee Saddlery Company. (See Swenson, Carl T., assignor.)
Milwaukee Stamping Company. (See Weltz, Henry F., assignor.)
Milwaukee Valve Company. (See Fraser, John, jr., assignor.)
Milwaukee Valve Company. (See Fraser, J., jr., and Hutchinson, assignors.)
Milwell Electric Devices Corporation. (See Miller, Max A., assignor.)
Mimms, Alphonso, assignor of fifteen per cent to L. E. Murray, Washington, D. C. Automatic railroad crossing gate. 1,832,232; Nov. 17.
Mims, G. L. (See Pope, Turner T., assignor.)
Min-A-Max Co. (See Boker, Vitus A., assignor.)
Minard, Frederick H. (See Litic, John F. B., assignor.)
Mincemoyer, Charles E., assignor of one-half to C. E. Hecht, Milton, Pa. Knitting machine. 1,805,440; May 12.
Minchevly, Velico H., Clinton, Iowa. Stove for sirup boiling. 1,795,789; Mar. 10.
Mine Safety Appliances Company. (See Davies, John B., assignor.)
Mine Safety Appliances Company. (See Henderson, Walter C., assignor.)
Mine Safety Appliances Company. (See Lewis, John M., assignor.)
Mine Safety Appliances Company. (See Perrott, G. S., and Yablick, assignors.)
Mine & Smelter Supply Company, The. (See Wells, Sidney D., assignor.)
Mineck, Walter, Cedar Rapids, Iowa. Container. 1,804,539; May 12.
Minehart, Jacob X., Fort Madison, Iowa. Key-ring holder. 1,797,098; Mar. 17.
Miner, Arlow W., Sioux City, Iowa. Box cover. 1,818,266; Aug. 11.
Miner, Charles L., Detroit, Mich. Washing machine. 1,809,177; June 9.
Miner, Charles R., San Francisco, Calif., assignor to American Airship Corporation, Wilmington, Del. Aerial navigation machine. 1,814,948; July 14.
Miner, Charles R., San Francisco, assignor of one-fourth to Mike Tambor, San Francisco, Calif. Muffler for internal combustion engines. 1,833,256; Nov. 24.
Miner, Claude G., Berkeley, Calif. Producing nitrides of aluminum or magnesium from their minerals. 1,803,720; May 5.
Miner, Claude G., Berkeley, Calif. Producing phosphorus acid and hydrogen. 1,837,230; Dec. 22.
Miner, Daniel P. (See Priebe, E. B., and Miner.)
Miner, Ernest L., and C. M. Leatherman, assignors to Coldwater Instrument Works, Coldwater, Mich. Topographic mechanism. 1,809,058; June 9.
Miner, Floyd E., Chicago, Ill. Totalizer. 1,797,273; Mar. 24.
Miner, Frederick M., jr., and W. C. Daumling, Madison, Wis. Boiler. 1,820,286; Aug. 25.
Miner, George H., San Francisco, Calif., assignor to Amusement Machine Corporation, Ltd., Reno, Nev. Game apparatus. 1,802,521; Apr. 28.
Miner, Henry A., Evanston, assignor to W. H. Miner, Inc., Chicago, Ill. Door operating mechanism. 1,829,106; Oct. 27.
Miner, Hiram P., Mission Ridge, S. Dak. Airship. 1,807,542; May 26.
Miner, Roy B., Nahant, Mass., assignor to General Electric Company. Supporting device for lamps. 1,821,763; Sept. 1.
Miner, Roy H., assignor of one-half to D. L. Smith, Lansing, Mich. Air wrench. 1,827,159; Oct. 13.
Miner, W. H., Inc. (See Dentler, Arnold E., assignor.)
Miner, W. H., Inc. (See Endicott, George F., assignor.)
Miner, W. H. Inc. (See Haseltine, Stacy B., assignor.)
Miner, W. H., Inc. (See Johnson, George A., assignor.)
Miner, W. H., Inc. (See Lewis, Goodrich Q., assignor.)
Miner, W. H., Inc. (See Lindeman, James E., assignor.)
Miner, W. H., Inc. (See Lounsbury, Harvey J., assignor.)
Miner, W. H., Inc. (See Miner, Henry A., assignor.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Miner, W. H., Inc. (See Olander, Roland J., assignor.)
Miner, William H., Springfield, Mass., assignor to Baush Machine Tool Company. Multiple-spindle-drilling machine. 1,793,239; Feb. 17.
Mineral Felt Insulating Company, The. (See Russell, F. C., and Savidge, assignors.)
Mineral Power Co. (See Dyer, E., and Sutherland, assignors.)
Minerals Separation North American Corporation. (See Broadbridge, W., Edser, and Stenning, assignors.)
Minerals Separation North American Corporation. (See Keller, Cornelius H., assignor.)
Minerals Separation North American Corporation. (See Lavers, H., and Higgins, assignors.)
Minerals Separation North American Corporation. (See Littleford, J. W., and Johnston, assignors.)
Minerals Separation North American Corporation. (See Trotter, W., and Wilkinson, assignors.)
Minet, Auguste, assignor to Construction Francaise D'Apparels De Laiterie, Société Anonyme, St. Etienne, France. Lubrication system for vertical shafts. 1,822,817; Sept. 8.
Mingos, James T., Boston, Mass. Positioning device for writing implements. 1,818,081; Aug. 11.
Mingus, Leslie C. (See Dunn, I. L., and Mingus.)
Minich, Verne E., Scarsdale, assignor to The American Foundry Equipment Company, New York, N. Y. Sand treating machine. 1,802,567; Apr. 28.
Minick, William L., jr., Waynesboro, Pa. Electrical toy. 1,804,265; May 5.
Minimax G. m. b. H. (See Grund, Paul, assignor.)
Mink, Isadore, Brooklyn, N. Y. Diaper. Des. 83,337; Feb. 17.
Minkler, Chester T. (See King, James L., Minkler, and Gill.)
Minkoff, Gregoire. (See Färber, E., Minkoff, and Pond.)
Minkoff, Gregoire, and M. Levy, Geneva, Switzerland, assignors to The International Sugar and Alcohol Company Limited, London, England. Recovery of hydrochloric acid. 1,798,099; Mar. 24.
Minneapolis-Honeywill Regulator Company. (See Bower, George D., assignor.)
Minneapolis-Honeywell Regulator Company. (See Cramblet, Paul K.)
Minneapolis-Honeywell Regulator Company. (See Denison, Frederick S., assignor.)
Minneapolis-Honeywell Regulator Company. (See Honeywell, Mark C., assignor.)
Minneapolis-Honeywell Regulator Company. (See Johnson, Roy W., assignor.)
Minneapolis-Honeywell Regulator Company. (See Phelan, Louis A. M., assignor.)
Minneapolis-Honeywell Regulator Company. (See Phelan, L. A. M., and Bear, assignors.)
Minneapolis-Honeywell Regulator Company. (See Shivers, Paul F., assignor.)
Minneapolis-Honeywell Regulator Company. (See Taylor, Daniel G., assignor.)
Minneapolis-Honeywell Regulator Company. (See Warnke, Carl J., assignor.)
Minneapolis-Honeywell Regulator Company. (See Worth, William E., assignor.)
Minneapolis-Moline Power Implement Co. (See Orelind, John R., assignor.)
Minneapolis-Moline Power Implement Company. (See Seaholm, John P., assignor.)

Minneci, Christ S., Chicago, Ill. Transom controller. 1,793,413; Feb. 17.
Minnesota Mining & Manufacturing Company. (See Drew, Richard G., assignor.)
Minnium, Byron B. (See Huth, W. H., and Minnium.)
Minnium, Byron B., assignor, by mesne assignments, to Story & Clark Radio Corp., Chicago, Ill. Thermionic amplifier system. 1,813,067; July 7.
Minnium, Byron B., assignor, by mesne assignments, to Story & Clark Radio Corp., Chicago, Ill. Radio receiving apparatus. 1,816,227; July 28.
Minondo, Francisco, Madrid, Spain. Firearm. 1,788,246; Jan. 6.
Minor, Burt S., San Pedro, Calif. Lubricating device. 1,794,725; Mar. 3.
Minor, Burt S., San Pedro, Calif. Hoisting clevis. 1,803,721; May 5.
Minor, Burt S., San Pedro, Calif. Oil well packing device. 1,812,358; June 30.
Minor, Burt S., San Pedro, Calif. Cement head for oil wells. 1,817,201; Aug. 4.
Minor, Burt S., San Pedro, Calif. Grease packed gland. 1,820,577; Aug. 25.
Minor, Burt S., San Pedro, Calif. Crown block. 1,826,946; Oct. 13.
Minor, Burt S., San Pedro, Calif. Crown block. 1,833,172; Nov. 24.
Minor, Earl O., New York, N. Y. Machine for removing and replacing piston wrist pins. 1,810,884; June 16.
Minor, Henry R., Ossining, N. Y., assignor, by mesne assignments, to The Liquid Carbonic Corporation. Curing tires and the like. 1,808,428; June 2.
Minor, Henry R., Ossining, N. Y., assignor, by mesne assignments, to The Liquid Carbonic Corporation. Regulating and maintaining heat transfer. 1,808,429; June 2.
Minor, Oscar T., Mayfield, Okla. Stalk cutter attachment for tractors. 1,813,631; July 7.
Minrath, William, New York, N. Y. Gas generator. 1,810,672; June 16.
Minshall, Robert J., assignor to Boeing Airplane Company, Seattle, Wash. Tail wheel support. 1,813,356; July 7.
Minshall, Robert J., assignor to Boeing Airplane Company, Seattle, Wash. Sliding oleo landing hook. 1,816,228; July 28.
Minshull, John A., assignor to Whitin Machine Works, Whitinsville, Mass. Eccentric connection for card condensers. 1,796,040: Mar. 10.
Minster, Norman P., Parma, Idaho. Valve structure. 1,829,666: Oct. 27.
Mintchell, Howard L. (See Lauterbur, Frank X. and E. J., and Mintchell.)
Minteer, Joseph M., Canfield, Ohio. Musical instrument. 1,835,892: Dec. 8.
Minter, William S. (See Potts, C., and Minter.)
Minto, Wallace M., Jersey City, N. J. Gas gun. 1,826,562; Oct. 6.
Minton, Clarence W., and T. H. Price, assignors of one-third to C. V. Hines, Nashville, Tenn. Knitting machine attachment. 1,831,129; Nov. 10.
Minton, Gustave M., New York, N. Y. Telephone stand. Des. 85,052: Sept. 8.
Minton, John P., White Plains, assignor to United Reproducers Corporation, Rochester, N. Y. Loud speaker. 1,812,213; June 30.
Minton, John P., White Plains, N. Y., assignor to Radio Corporation of America. Loud speaker. 1,827,994; Oct. 20.
Minton, Ogden, Greenwich, Conn., assignor to Minton Vacuum Dryer Corporation. Slip-control calender. 1,793,114: Feb. 17.
Minton Vacuum Dryer Corporation. (See Minton, Ogden, assignor.)
Minturn, Benjamin E., Chicago, Ill. Brake. 1,818,920; Aug. 11.
Minty, John E., assignor to Shaw-Crane-Putman Machine Company, Muskegon, Mich. Spring actuated reel. 1,803,481; May 5.
Mintz, Benjamin, New York, N. Y. Lollypop. Des. 85,536: Nov. 10.
Mintz, Harry, Dorchester, Mass. Couch hammock. 1,788,801; Jan. 13.
Minyard, Thomas B., Greenwood, Miss. Gravel well screen. 1,839,044; Dec. 29.
Mir, Lewis, Jersey City, N. J. Swab making machine. 1,815,478; July 21.
Mirabile, Natale, Albany, N. Y. Hone for razors or the like. 1,836,765; Dec. 15.
Mirafuentes, Alfonso F., Gaudalupe, Mexico. Musical toy. 1,806,485; May 19.
Mirafuentes, Alfonso F., Gaudalupe, Mexico. Hair cutting scissors. 1,806,486; May 19.
Mirafuentes, Alfonso F., Guadalupe, Mex. Tonsorial device. 1,829,667; Oct. 27.
Miraglia, Rocco, et al. (See Foti, Charles, assignor.)
Miranda, Francisco, Q., Cordoba, Argentina. Mute for stringed instruments. 1,825,915; Oct. 6.
Miriam Gross Company. (See Gross, Miriam, assignor.)
Mirick, Carlos B., Washington, D. C. Resonant electrical relay. 1,813,899; July 7.
Mirick, Carlos B., Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Electrical balance circuit. 1,822,996; Sept. 15.
Mirick, Edward M., Cleburne, Tex. Skate. 1,801,205; Apr. 14.
Mirkin, Max, et al. (See Schwaerzer, Max, assignor.)
Mirlink, James, Bradley, Ohio. Attachment for submarines and ships. 1,816,689; July 28.
Mirocourt, Henry, Sotteville-Lez-Rouen, assignor to Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France. Manufacture of chromed complexes of azo and ortho-hydroxy-azo dyestuffs. 1,824,914; Sept. 29.
Mirov, Nicholas T. (See Offord, H. R., and Mirov.)
Mirrey, James. (See Allan A., and Mirrey.)
Mirus, Gerhard. (See Engl, M., and Mirus.)
Mischke, Karl, Zurich, Switzerland, assignor to the firm Durkoppwerke Aktiengesellschaft, Bielefeld, Germany. Drawing-out needle for use in machines for drawing out threads from tissues. 1,788,730; Jan. 13.
Mischler, William N., Scotia, N. Y., assignor to General Electric Company. Clamping device. 1,799,019; Mar. 31.
Misenheimer, Harvey N., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Antenna circuit. 1,830,880; Nov. 10.
Mishawaka Rubber & Woolen Manufacturing Company. (See Blair, George W., assignor.)
Mishawaka Rubber and Woolen Manufacturing Company. (See Bradley, Charles E., assignor.)
Mishawaka Rubber and Woolen Manufacturing Company. (See Bradley, C. E., and Ferrettie, assignors.)
Mishawaka Rubber and Woolen Manufacturing Company. (See Bradley, C. E., and Mason, assignors.)
Mishawaka Rubber and Woolen Manufacturing Company. (See De Groote, August H., assignor.)
Mishawaka Rubber and Woolen Manufacturing Company. (See Giles, Eugene M., assignor.)
Mishawaka Rubber and Woolen Manufacturing Company. (See Mecklenburg, Richard J., assignor.)
Mishawaka Rubber and Woolen Manufacturing Company. (See Saunders, Emmett A., assignor.)
Mishelevich, Benjamin, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuits. 1,812,164: June 30.
Mishelevich, Benjamin, Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,825,238; Sept. 29.
Missillier, Harry B., Cleveland, Ohio. Flexible roadway. 1,795,228; Mar. 3.
Mission Dry Corporation, Ltd. (See Blattner, Carl F., assignor.)
Mission Dry Corporation. (See Crosby, Harry E., assignor.)
Mississippi Glass Company. (See Aurien, George, assignor.)
Mississippi Glass Company. (See Begeman, M. L., and Gutmann, assignors.)
Mississippi Glass Company. (See Gundlach, Conrad J., assignor.)
Mississippi Glass Company. (See Kingsley, Charles B., assignor.)
Mississippi Valley Trust Company, et al., Executors. (See Noxon, Elwin I.)
Missouri Rolling Mill Corporation. (See Lee, Delmer C., assignor.)
Mitchell, Alfred, and J. W. Smith, Bradford, England. Window-sash hinge. 1,799,859; Apr. 7.
Mitchell, Allister S., Detroit, Mich. Bat reeling machine. 1,824,782; Sept. 29.
Mitchell, August, New York, N. Y., assignor to Consolidated Safety Pin Company, Bloomfield, N. J. Vanity case. Des. 85,708; Dec. 8.
Mitchell Camera Corporation. (See Mitchell, George A., assignor.)
Mitchell, Carlos W. (See Tingleaf, Albert J., assignor.)
Mitchell, Charles G., Montreal, Quebec, Canada. Storage building. 1,806,699: May 26.
Mitchell, Charles G., Montreal, Quebec, Canada. Storage building. 1,809,140; June 9.
Mitchell, Charles G., assignor to R. M. Newman and B. A. Thomas, Cleveland, Ohio. Badge or similar article. Des. 83,825; Mar. 31.
Mitchel, Charles P., Detroit, Mich. Shoe rack. 1,830,804; Nov. 10.
Mitchell, Charles W., Morenci, Ariz. Gauging block for drill-bit-sharpening machines. 1,788,682; Jan. 13.
Mitchell, Clifford E. (See Bennett, A. F., and Mitchell.)
Mitchell, Courtney N., Cleveland Heights, Ohio. Shock absorber. 1,805,836: May 19.
Mitchell, Courtney N., Cleveland, Ohio. Doorcheck. 1,836,383; Dec. 15.
Mitchell, Curtis P. (See Palmer, C. R., and Mitchell.)
Mitchell, Donald L., Indianapolis, Ind. Accelerator operating means. 1,823,622; Sept. 15.
Mitchell, Doren. (See Wright, S. B., and Mitchell.)
Mitchell, Doren, New York, N. Y., assignor to American Telephone and Telegraph Company. Echo suppressor. 1,814,052; July 14.
Mitchell, Doren, New York, and H. C. Silent, Larchmont, N. Y., assignors to American Telephone and Telegraph Company. Transmission volume control. 1,811,954; June 30.
Mitchell, Doren, New York, and H. C. Silent, Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Transmission volume control. 1,811,955; June 30.

Mitchell, Edward F., Melbourne, Australia. Packing live-stock for conveyance in transport vehicles. 1,824,225; Sept. 22.
Mitchell Engineering Co., The. (See Mitchell, Raymond C., assignor.)
Mitchell, Frank A., London, England, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Sound-recording apparatus. 1,792,859; Feb. 17.
Mitchell, Frank A., Wandsworth, London, England, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Diaphragm for sound reproducing apparatus. 1,833,055; Nov. 24.
Mitchell, Frederick G., Ridgefield Park, N. J. Atomizer or sprayer. 1,822,743; Sept. 8.
Mitchell, George A., Los Angeles, Calif. Tripod clamp. 1,830,370; Nov. 3.
Mitchell, George A., Los Angeles, Calif., assignor, by mesne assignments, to Mitchell Camera Corporation. Erecting finder. Re17,995; Mar. 10.
Mitchell, George A., Los Angeles, Calif., assignor to Mitchell Camera Corporation. Camera mounting. 1,794,726; Mar. 3.
Mitchell, George A., Los Angeles, Calif., assignor to Mitchell Camera Corporation. View-finder mounting for cameras. 1,800,225; Apr. 14.
Mitchell, George A., Los Angeles, Calif., assignor to Mitchell Camera Corporation. Dissolving shutter. 1,812,056; June 30.
Mitchell, George A., Los Angeles, Calif., assignor to Mitchell Camera Corporation. Contractible film spool. 1,838,432; Dec. 29.
Mitchell, George J., et al. (See Boosalis, M. G., and Legaard, assignors.)
Mitchell, Grover C., et al. (See Dempsey, Edward C., assignor.)
Mitchell, Henry S., Portland, Oreg., and R. V. Schafer, Vancouver, Wash. Debarking machine. 1,817,158; Aug. 4.
Mitchell Holding Corporation. (See Hall, Edward S., assignor.)
Mitchell, Holger L., assignor to Harnischfeger Corporation, Milwaukee, Wis. Power hoe. 1,832,911; Nov. 24.
Mitchell, Holger L., and R. Ljungkull, assignors to Harnischfeger Corporation, Milwaukee, Wis. Power clutch. 1,813,068; July 7.
Mitchell, Holger L., and Rolf Ljungkull, assignor to Harnischfeger Corporation, Milwaukee, Wis. Excavator crane. 1,829,569; Oct. 27.
Mitchell, Howard C. (See Wagner, F., and Mitchell.)
Mitchell, Hugh E. (See Barton, G. J., and Mitchell.)
Mitchell-Hunter Co. (See Geisslinger, Jean, assignor.)
Mitchell, Irving L., Brooklyn, assignor to D. Robbins, New York, N. Y. Vending machine. 1,834,721; Dec. 1.
Mitchell, James, and J. H. Smith, Coatbridge, Scotland, assignors to Stewarts & Lloyds Limited, Glasgow, Scotland. External covering or coating of iron or steel pipes and other cylindrical bodies. 1,800,896; Apr. 14.
Mitchell, James M., Flushing, N. Y. Apparatus for settling and classifying sand. 1,807,125; May 26.
Mitchell, John C., Bloomfield, assignor to Lock Joint Pipe Company, Ampere, N. J. Pipe joint. 1,826,321; Oct. 6.
Mitchell, John E., Dallas, Tex. Cotton feeding, separating, and cleaning machine. 1,802,614; Apr. 28.
Mitchell, John E., Dallas, Tex. Combination feeder-cleaner and extracting machine. 1,805,221; May 12.
Mitchell, John E., St. Louis Mo. Combined harvesting and cotton cleaning machine. 1,814,761; July 14.
Mitchell, John N. Strathfield, near Sydney, New South Wales, Australia. Apparatus for separating grain or seed or the like. 1,824,915; Sept. 29.
Mitchell, Joseph S., Chicago, Ill., assignor to Sullivan Machinery Company. Core drill. 1,806,079; May 19.
Mitchell, Joseph S., Chicago, Ill., assignor to Sullivan Machinery Company. Core drill. 1,834,583; Dec. 1.
Mitchell, Kearney, Sulphur Mines, La. Drill pipe cutter. 1,805,703; May 19.
Mitchell, Leo W., San Francisco, Calif. Nozzle. 1,789,491; Jan. 20.
Mitchell, Leonard O. (See Mitchell, O. K. and L. O.)
Mitchell, Lewis E., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Rope-winding device. 1,797,477; Mar. 24.
Mitchell, Malcolm E., and A. F. Swan, Oakland, Calif. Tire gauge. 1,813,249; July 7.
Mitchell, Manley R., and R. W. Skoog, assignors, by mesne assignments, to The Baltimore Gas Engineering Corporation, Charleston, W. Va. Distilling apparatus. 1,819,190; Aug. 18.
Mitchell Manufacturing Company. (See Mitchell, William, assignor.)
Mitchell Manufacturing Co. (See Mitchell, William, and Blink, assignors.)
Mitchell, Mark D., Independence, Kans. Oil well torpedo. 1,835,666; Dec. 8.
Mitchell, Melville J. (See Raney, C. R., and Mitchell.)
Mitchell, Orville, Dallas, Tex. Cotton feeding, separating, and cleaning machine. 1,802,615; Apr. 28.
Mitchell, Ossian K. and L. O., Oak Park, Ill. Vertically and angularly adjustable table. 1,837,826; Dec. 22.
Mitchell, Ossian K. and L. O., Oak Park, Ill. Lap table. 1,838,856; Dec. 29.
Mitchell, Randolph. (See Howlett, C. W., and Mitchell.)
Mitchell, Raymond C., assignor to The Mitchell Engineering Co., Springfield, Ohio. Grinding and polishing lathe. 1,808,728; June 2.
Mitchell, Richard S. M., assignor to W. H. Wilson, Detroit, Mich. Shock absorber. 1,797,875; Mar. 24.
Mitchell, Robert, Company, The. (See Holland, St. Clair C., assignor.)
Mitchell, Robert J., Kent, Ohio. Refrigerating system. 1,808,056; June 2.
Mitchell, Rollie H. (See Enzenauer, E. M., and Mitchell.)
Mitchell, Theodore R., Wichita, Kans. Sound reproducing instrument. 1,833,789; Nov. 24.
Mitchell, Thomas A., assignor to L. M. Hughes, Denver, Colo. Obtaining zinc sulphide from its ore. 1,838,857; Dec. 29.
Mitchell, Voiley A. (See White, C. W., and Mitchell.)
Mitchell, Wells, Los Angeles, Calif. Self teaching of walking and dancing. 1,815,443; July 21.
Mitchell, Willard E., Great Falls, Mont., assignor to Anaconda Copper Mining Company. Treating zinc concentrate and plant residue. 1,834,960; Dec. 8.
Mitchell, William, assignor to Mitchell Manufacturing Company, Milwaukee, Wis. Bearing. 1,835,803; Dec. 8.
Mitchell, William, Milwaukee, and P. Blink, West Allis, assignors to Mitchell Manufacturing Co., Milwaukee, Wis. Carrier. 1,821,563; Sept. 1.
Mitchell, William D., and R. C. Albury, Tampa, Fla. Umpires' signal jacket. 1,839,113; Dec. 29.
Mitchell, William T. (See Hickox, G. E. F., and Mitchell.)
Mitchum, Cecil E., Kansas City, Kans. Centrifugal blood-separating machine for serum plants. 1,797,876; Mar. 24.
Mitkoff, Herman. (See Stangler, Jack, assignor.)
Mitscherling, Waldemar O., Bridgeport, Conn., assignor to A. M. Johnson, Chicago, Ill. Wood disintegration. 1,793,711; Feb. 24.
Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. System of distribution. 1,807,426; May 26.
Mittasch, Alwin. (See Gaus, W., Mittasch, and Schlecht.)
Mittasch, Alwin, Ludwigshafen-on-the-Rhine, M. Pier, Heidelberg, and C. Müller, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of oxygenated organic compounds. 1,791,568; Feb. 10.
Mittasch, Alwin, Ludwigshafen-on-the-Rhine, and C. Müller, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of iron carbonyl. 1,816,122; July 28.
Mittasch, Alwin, Ludwigshafen-on-the-Rhine, R. Lucas, Mannheim, and R. Griessbach, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing finely divided metal oxides. 1,816,388; July 28.
Mittasch, Alwin, Mannheim, W. Frankenburger, and G. Wietzel, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of unsaturated hydrocarbons. 1,823,503; Sept. 15.
Mittasch, Alwin, Mannheim, and L. Schlecht, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of metals from their carbonyls. 1,825,241; Sept. 29.
Mittell, Brenchley E. G., Iver, England, assignor to Victor Talking Machine Company, Camden, N. J. Sound recording and reproducing apparatus. 1,794,915; Mar. 3.
Mittell, Brenchley, E. G., Iver, England, assignor to Victor Talking Machine Company. Sound recording and reproducing machine. 1,798,891; Mar. 31.
Mittendorf, William R., Cincinnati, Ohio, assignor to International Business Machines Corporation, New York, N. Y. Computing scale. 1,792,112; Feb. 10.
Mittendorf, William R., Cincinnati, Ohio, assignor, by mesne assignments to International Business Machines Corporation, New York, N. Y. Computing scale. 1,800,741; Apr. 14.
Mittendorf, William R., Cincinnati, Ohio, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Registering device. 1,800,742; Apr. 14.
Mitterer, Albert R. (See Rorrer, C. E., and Mitterer.)
Mittermeier, Herman. (See Williams, N., and Mittermeier.)
Mittleburg, Samuel S., Brooklyn, N. Y. Ensemble unit for furniture and the like. 1,829,366; Oct. 27.
Mitton, Robert E., Salt Lake City, Utah. Brake system. 1,822,665; Sept. 8.
Mitulski, F. E., et al. (See Costello, Paul S., assignor.)
Miura, Ryoji. (See Hagiware, Tetsudo, assignor.)
Mix, Charles M. (See Bowyer, Horace A., assignor.)
Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Strap connection. 1,805,047; May 12.
Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. 1,812,214; June 30.
Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Strap edge finishing machine. 1,824,678; Sept. 22.
Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. 1,826,563; Oct. 6.
Mix, Edwin S., assignor to Hickok Manufacturing Company. Inc., Rochester, N. Y. Safety hook. 1,826.564; Oct. 6.

Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Fastener. 1,827,398; Oct. 13.
Mix, Edwin S., assignor to Hickok Mfg. Company, Inc., Rochester, N. Y. Button attaching tip for suspenders or braces. 1,832,406; Nov. 17.
Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Button attaching device for suspender ends. 1,832,407; Nov. 17.
Mixer, Harold P., assignor, by mesne assignments, to Gardner Company, Ebensburg, Pa. Calculating machine. 1,833,467; Nov. 24.
Mixing Equipment Company. (See Craddock, Frederick L., assignor.)
Miyagi, Shinsho, Tokyo, Japan. Apparatus for setting seed shell fish. 1,815,521; July 21.
Miyake, Masao, Yehime-Ken, Japan. Reducing the quantity of sulphurous acid gas set free from copper glance on its roasting. 1,825,536; Sept. 29.
Miyasaki, Leon M., Los Angeles, Calif. Safety device for aeroplanes. 1,814,325; July 14.
Miyo, Joseph, Perth Amboy, N. J. Landing gear for aeroplanes. 1,833,468; Nov. 24.
Mizer, Joseph J., assignor to Walker Manufacturing Company, Racine, Wis. Lifting jack. 1,791,828; Feb. 10.
Mizzy, Albert D., New York, and W. E. Favini, South Ozone Park, N. Y. 1,822,413; Sept. 8.
Mjelva, Ingvald, Seattle, Wash. Tire removing tool. 1,806,947; May 26.
Moad, Buren, Toledo, Ohio. Candy cotton forming machine. 1,806,111; May 19.
Moan, Leo H., and M. Waddell, Wichita, Kans. Bailer. 1,829,151; Oct. 27.
Moarles, Julio, Brooklyn, N. Y. Electric lamp. 1,809,790; June 9.
Moberg, Charles G., Brownlee, Saskatchewan, Canada. Grader blade. 1,816,389; July 28.
Moberg, Ivar O., Lowell, Mass. Loom. 1,832,496; Nov. 17.
Moberly, Rollie D., Moberly, Mo. Fertilizer distributing attachment. 1,830,123; Nov. 3.
Mobile Steel Company. (See Martin, W. B., and Evans, assignors.)
Möbius, Theodor P., Erlangen, Germany. Lead-pencil sharpener with case. 1,789,248; Jan. 13.
Moblard, Albert V., New York, N. Y. Attachment plug. 1,807,427; May 26.
Mobley, Ora L., Cincinnati, Ohio. Vending machine. 1,808,965; June 9.
Mobley, William R., Miami, Fla. Wave motor. 1,835,572; Dec. 8.
Möbus, Wilhelm, Dusseldorf, Germany. Nebulizing and antibackfiring device for internal combustion engines. 1,816,390; July 28.
Mochel, Norman L., Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Valve structure. 1,814,762; July 14.
Mock, Hugo. (See Lessin, Morris E., assignor.)
Mock, Hugo, New York, N. Y. Electric refrigerator. 1,810,841; June 16.
Mock, Hugo, New York, N. Y. Key can opener. 1,812,111; June 30.
Mock, Hugo, New York, N. Y. Spoon. 1,819,191; Aug. 18.
Mock, Hugo, New York, N. Y. Ice tray for electric refrigerators. 1,825,916; Oct. 6.
Mock, James C., Detroit, Mich. Light signal. 1,802,568; Apr. 28.
Mock, James C., Detroit, Mich. Highway crossing signal. 1,810,977; June 23.
Mock, John F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Handle for rock drills. 1,809,141; June 9.
Mocking, John N., and M. Indech, Chicago, Ill. Ice-cream cutter. 1,798,551; Mar. 31.
Modd, Thomas E., Detroit, Mich. Fountain brush. 1,802,616; Apr. 28.
Model, Simon J., Milwaukee, Wis. Strike plate. 1,793,115; Feb. 17.
Modell, Robert, Sacramento, Calif. Oil burning firebox. 1,821,944; Sept. 8.
Modern Coal Burner Co. (See Leach, Vernon G., assignor.)
Modern Equipment Company. (See Goldberg, Max W., assignor.)
Modern Laundry Machine Manufacturing Company. (See Fedler, Joseph H., assignor.)
Modern Oil Well Supply Company, The. (See Jackson, John C., assignor.)
Modern Utilities Company. (See Frantz, Grover C., assignor.)
Modern Wardrobe, Inc. (See Green, Edward B., jr., assignor.)
Modes, John H., Jamaica, N. Y. Producing novel effects in decoration and the like. 1,832,408; Nov. 17.
Modigliani, Umberto, Milan, Italy. Protective arrangement for electric installations. 1,799,057; Mar. 31.
Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating device. 1,800,842; Apr. 14.
Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Means for and method of packaging articles. 1,803,122; Apr. 28.
Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchange device. 1,805,101; May 12.
Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchange unit. 1,807,164; May 26.
Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating apparatus. 1,810,721; June 16.
Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating unit. 1,830,327; Nov. 3.
Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchange device. 1,830,954; Nov. 10.
Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Thermostatic appliance. 1,833,950; Dec. 1.
Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Radiator. 1,834,001; Dec. 1.
Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchange unit. 1,836,271; Dec. 15.
Modine Manufacturing Company. (See Modine, Arthur B., assignor.)
Mödler, Johann, Aschaffenburg, Germany. Roller bearing. 1,796,610; Mar. 17.
Modra, William, St. Louis, Mo. Cap for fire plugs. 1,837,880; Dec. 22.
Modra, William, St. Louis, Mo. Lock for fire plug caps. 1,837,881; Dec. 22.
Moe, Carl L., Salinas, Calif. Water cooling system for internal combustion engines. 1,828,978; Oct. 27.
Moe, Ingemon, and C. A. Smith, Ferndale, Mich., assignor to Liptak Fire-Brick Arch Company, Mexico, Mo. Furnace arch. 1,794,705; Mar. 3.
Moe, Ingemon and C. A. Smith, Ferndale, Mich., assignor to Liptak Fire-Brick Arch Company, Mexico, Mo. Water-cooled furnace arch. 1,794,706; Mar. 3.
Moe, Sigurd A. (See Moe, Sivert and S. A.)
Moe, Sivert and S. A., Chicago, Ill. Dampening device for plate cylinders in offset-process printing presses. 1,798,850; Mar. 31.
Moe, Sivert, and S. A. Moe, Chicago, Ill. Dampening device for plate cylinders in offset and other lithographic printing presses. 1,834,169; Dec. 1.
Moebus, August C., deceased, New York, and C. A. Moebus, New Rochelle, N. Y.; H. B. Moebus, administratrix. Embroidered textiles and mechanically producing the same. 1,791,599; Feb. 10.
Moebus, Charles A. (See Moebus, August C. and C. A.)
Moebus, Hazel B., administratrix. (See Moebus, August C. and C. A.)
Moecker, Henry, jr., Flossmoor, Ill., assignor to American Stove Company, St. Louis, Mo. Insulated range. 1,810,842; June 16.
Moecker, Henry, jr., Flossmoor, and T. Thompson, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo. Service drawer for ranges. 1,810,843; June 16.
Moecker, Henry, jr., Flossmoor, and H. B. Isaac, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo. Counterbalancing device. 1,828,675; Oct. 20.
Moehle, Benjamin W., Milwaukee, Wis. Filler. 1,795,613; Mar. 10.
Moehle, Edward W., Hopkins, Minn. Egg carton filler. 1,838,858; Dec. 29.
Moehler, Otto J., Newark, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Support means. 1,832,041; Nov. 17.
Moeller, E. (See Kelly, William P., assignor.)
Moeller Instrument Company. (See Moeller, Max E., assignor.)
Moeller, Max E., New York, N. Y., assignor, by mesne assignments, to Moeller Instrument Company, Inc., Brooklyn, N. Y. Thermometer tube and making the same. Re18,105; June 16.
Moeller, Max E., assignor, by mesne assignments, to Moeller Instrument Company, Inc., Brooklyn, N. Y. Thermometer. 1,793,950; Feb. 24.
Moeller, William A., Los Angeles, assignor to The Los Angeles Spring Bed Company, Los Angeles, Calif. Folding bed. 1,826,184; Oct. 6.
Moeller, William J., Mt. Healthy, and A. H. Zimmerman, Lockland, Ohio, assignors to The Philip Carey Manufacturing Company. Built-up roofing and application. 1,805,739; May 19.
Moen, Anver B., St. James, and S. Lien, Comfrey, Minn. Snowplow. 1,820,707; Aug. 25.
Moen, George E., Kelso, Wash. Tool for boring and reaming. 1,787,871; Jan. 6.
Moerch, Erik, Paris, France. Projection arrangement for advertising purposes. 1,811,956; June 30.
Moericke, Walter A. (See Koepsell, August J., assignor.)
Moerk, Frank N., assignor of one-half to E. Q. Landreth, Philadelphia, Pa. Treating nitrogenous waste. 1,820,920; Sept. 1.
Moerk, Frank N., and C. B. Irmer, Philadelphia, Pa. Control system. 1,816,603; July 28.
Moerman, George F. (See Souter, Edward W., assignor.)
Moers, Kurt. (See Koreg, F., and Moers.)
Moesta, Marvin W., Detroit, Mich., assignor to The Murray Corporation of America. Securing and retaining trim and upholstery. 1,789,015; Jan. 13.
Moesta, Marvin W., Detroit, Mich., assignor to The Murray Corp. of America. Joining metal panels. 1,789,109; Jan. 13.
Moesta, Marvin W., Detroit, Mich., assignor to The Murray Corporation of America. Vehicle body construction. 1,818,734; Aug. 11.

Möetteli, Arnold, Oberwinterthur, Switzerland, assignor to the firm: Dry Quenching Equipment Corporation, New York, N. Y. Apparatus for the dry-cooling of coke. 1,810,322; June 16.

Moetteli, Arnold, Oberwinterthur, Switzerland, assignor to Dry Quenching Equipment Corporation, New York, N. Y. Coke cooling apparatus. 1,836,605; Dec. 15.

Moffat, John H., Indianapolis, Ind. Vehicle parking and locking device. 1,815,207; July 21.

Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Presser foot for sewing machines. 1,793,372; Feb. 17.

Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Annular take-up for sewing machines. 1,801,360; Apr. 21.

Moffatt, James R., Chicago, and R. S. Kelso, Rockford, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,789,249; Jan. 13.

Moffatt, James R., Chicago, and R. S. Kelso, Rockford, assignors to Union Special Machine Company, Chicago, Ill. Tension-releasing mechanism for sewing machines. 1,792,387; Feb. 10.

Moffatt, James R., Chicago, and R. S. Kelso, Rockford, assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for top rock shaft machines. 1,831,506; Nov. 10.

Moffett, Ernest C., Woodbridge, N. J., assignor to American Cyanamid Company, New York, N. Y. Case-hardening composition. 1,796,800; Mar. 17.

Moffett, William A., Charleston, S. C. Hammock support for airships and other craft. 1,791,738; Feb. 10.

Mogaard, Richard P., Minneapolis, Minn., assignor to The Liberty Folder Company, Sidney, Ohio. Flash folding device for knife folding units of folding machines. 1,830,439; Nov. 3.

Mogford, Edmund C., and G. Spatta, assignors to Clark Equipment Company, Buchanan, Mich. Axle and making the same. 1,823,158; Sept. 15.

Moharram, Mohamed Abd El Latif, Paris, France. Water-power plant. 1,794,313; Feb. 24.

Mohawk Asphalt Heater Company. (See Van Vorst, John, assignor.)

Mohen, John P., St. Louis, Mo. Display carton. 1,802,123; Apr. 21.

Mohler, Valentine J., River Forest, Ill., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,790,717; Feb. 3.

Mohler, Valentine J., River Forest, assignor to Addressograph Company, Chicago, Ill. Printing device. 1,812,894; July 7.

Mohler, Valentine J., River Forest, assignor to Addressograph Company, Chicago, Ill. Printing device. 1,821,108; Sept. 1.

Mohler, Valentine J., River Forest, Ill., assignor to Addressograph Company, Wilmington, Del. Printing plate blank. 1,827,995; Oct. 20.

Mohler, Valentine J., River Forest, Ill., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,831,363; Nov. 10.

Mohr, Albert F., Western Springs, Ill., assignor to International Harvester Company. Draft appliance. 1,832,042; Nov. 17.

Mohr, Anders N. F., Stewart, Minn. Railroad lock switch. 1,816,337; July 28.

Mohr, Arnold, assignor to Gesellschaft fur Mess- und Full-Apparate m. b. H., Berlin, Germany. Apparatus for indicating the level of liquids. 1,819,655; Aug. 18.

Mohr, Georg, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Multirate meter. 1,813,186; July 7.

Mohr, Hubert C., assignor to The Packard Electric Company, Warren, Ohio. Cable terminal. 1,821,443; Sept. 1.

Mohr, Hubert C., assignor to The Packard Electric Company, Warren, Ohio. Carton. 1,826,084; Oct. 6.

Mohr, John D., Newark, N. J. Stamp affixing machine. 1,834,170; Dec. 1.

Mohr, Walter W., Chicago, Ill., assignor to The Edward Valve and Manufacturing Company, East Chicago, Ind. Mounting means for valve operating mechanism. 1,831,187; Nov. 10.

Mohr, Walter W., Chicago, Ill., assignor to The Edward Valve and Manufacturing Company, East Chicago, Ind. Screwed and welded flanges for forged steel valves and making the same. 1,836,384; Dec. 15.

Möhring, Paul, Essen, assignor to Fried, Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Muffle furnace. 1,833,088; Nov. 24.

Mohun, John L., Omaha, Nebr. Grain-loading arrangement for railway cars. 1,800,396; Apr. 14.

Mohun, John L., and H. Piesch, Omaha, Nebr., assignors to National Lock Washer Company, Newark, N. J. Curtain fixture. 1,787,451; Jan. 6.

Moinett, Frank, Canton, Ohio. Dust collector. 1,789,048; Jan. 13.

Moise, Harmon D., Sumter, assignor to M. B. Cross, Eutawville, R. Schwartz, W. Y. Yeadon, S. Brunson, and M. W. Seabrook, Sumter, S. C. Air bound siphon flush tank. 1,826,282; Oct. 6.

Moise, Joseph R., Houma, La. Advertising device. 1,821,021; Sept. 1.

Mojonnier Bros. Co. (See Hegg, Edward C., assignor.)

Mojonnier Bros. Co. (See Mojonnier, Julius J., assignor.)

Mojonnier Bros. Co. (See Mojonnier, J. J., and Phillips, assignors.)

Mojonnier Bros. Co. (See Phillips, H. R., and Clarke, assignors.)

Mojonnier, Julius J., Oak Park, Ill., assignor to Mojonnier Bros. Co. Distributing system. 1,794,387; Mar. 3.

Mojonnier, Julius J., Oak Park, Ill., assignor to Mojonnier Bros. Co. Chain conveyer. 1,804,701; May 12.

Mojonnier, Julius J., and H. R. Phillips, Oak Park, Ill., assignors to Mojonnier Bros. Co. Filling machine. 1,794,388; Mar. 3.

Mojonnier, Julius J., and H. R. Phillips, Oak Park, Ill., assignors to Mojonnier Bros. Co. Filling machine. 1,795,312; Mar. 10.

Mold, Joseph L. (See Heyorth, J., Packman and Mold.)

Moldaenke, Karl. (See Dereser, R., and Moldaenke.)

Moldowan, Dionis E., Detroit, Mich. Extracting culinary oil from seeds. 1,829,961; Nov. 3.

Moles, Howard R., Garden City, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Aerofoil operating mechanism. 1,818,000; Aug. 11.

Molin, Oscar and W. J., St. Paul, Minn. Conduit-forming mechanism. 1,788,200; Jan. 6.

Molin, William J. (See Molin, Oscar and W. J.)

Molinari, Michele, Philadelphia, Pa. Toy vehicle. 1,820,474; Aug. 25.

Molinari, Ralph, and J. Baldi, assignors to Seminole Furniture Shops, Inc., Chicago, Ill. Extensible table. 1,830,671; Nov. 3.

Moline, Ernest L., Mead, Nebr. Automobile wheel. 1,820,084; Aug. 25.

Moline Tool Company. (See Hunt, Wilson P., assignor.)

Molins Machine Company Limited. (See Ruau, Félix F., assignor.)

Molins, Walter E., London, England. Cutting mechanism. Re18,300; Dec. 29.

Molins, Walter E., Deptford, London, England. Printing machine. 1,787,872; Jan. 6.

Molins, Walter E., Deptford, London, England. Cigarette-making machinery. 1,793,865; Feb. 24.

Molins, Walter E., Deptford, London, England. Forming cigarette and like packets. 1,795,666; Mar. 10.

Molins, Walter E., Deptford, London, England. Carton or like container for cigarettes and the like. 1,805,371; May 12.

Molins, Walter E., Deptford, London, England. Cigarette making machinery. 1,811,759; June 23.

Molins, Walter E., Deptford, London, England. Cigarette container. 1,824,491; Sept. 22.

Molins, Walter E., London, England. Safety stop for cigarette machines. 1,813,811; July 7.

Molins, Walter E., London, England. Mechanism for feeding and severing cardboard and like sheets. 1,817,701; Aug. 4.

Molins, Walter E., London, England. Cigarette making machinery. 1,823,281; Sept. 15.

Molins, Walter E., and J. W. Chalmers, Deptford, London, England. Machine for sealing containers. 1,817,831; Aug. 4.

Molins, Walter E., and A. A. Stone, London, England. Cigarette machinery. 1,801,169; Apr. 14.

Molins, Walter E., and J. W. Chalmers, London, England. Labeling machinery. 1,830,882; Nov. 10.

Molitor Box Company. (See Rumpel, Paul S., assignor.)

Molkenbur, Henry F., Bellaire, White Bear Lake, Minn. Rotary engine. 1,811,729; June 23.

Molk, John A., Wesleyville, and H. L. Bates, Erie, Pa. Tobacco container. 1,830,403; Nov. 3.

Molkenthin, Henry H., Glenridge, assignor to International Safety Razor Corp., Bloomfield, N. J. Display card. 1,813,812; July 7.

Moll, Alfons. (See Zeiss, B., and Moll.)

Moll, Harry C., Honolulu, Hawaii, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Stake releasing pocket. 1,829,570; Oct. 27.

Moll, Jacob, Lucka, Sachsen-Anhalt, Germany. Corrugated cardboard. 1,802,522; Apr. 28.

Moll, Wilhelm K., assignor to Ditto, Incorporated, Chicago, Ill. Swinging margin bar. 1,827,760; Oct. 20.

Mollard, Thomas A., Oakland, assignor to Pacific Fire Extinguisher Company, San Francisco, Calif. Thermopile. 1,827,252; Oct. 13.

Moller, Emil R., assignor of one-half to G. A. Moller, Chicago, Ill. Snow handling implement. 1,810,026; June 16.

Möller, Ernst, Karlshorst, Berlin, Germany. Diaphragm piston, in particular for control valves for air brakes. 1,806,360; May 19.

Moller, George A. (See Moller, Emil R., assignor.)

Moller, John H. (See Callard, R. P., and Moller.)

Möller, K. & Th., Gesellschaft mit beschrankter Haftung. (See Sell, Willy, assignor.)

Möller, Otto, Wedel, assignor to the firm of Carl Zeiss, Jena, Germany. System of reversing prisms. 1,795,092; Mar. 3.

Molleson, Isabelle C., Baldwin, N. Y. Egg or pancake turner. 1,824,783; Sept. 29.

Mollett, Ira D. (See Winchell, Laurence J., assignor.)

Molloy, John. (See Marcroft, W., and Molloy.)

Molly, Hans, assignor to Zahnradfabrik Aktiengesellschaft, Friedrichshafen, Germany. Gear. 1,795,135; Mar. 3.

Molony, Donald P., assignor to Marvel Carbureter Company, Flint, Mich. Automatic charge-heating control for internal-combustion engines. Re18,052; Apr. 21.

Molter, Wm. H., Company. (See Wallis, Zella, assignor.)

Moltrup, James T., Beaver Falls, Pa. Production of drawn metal rods. 1,812,359; June 30.
Moltzan, Louis B., Buffalo, N. Y. Truss. 1,806,639; May 26.
Molyneux, William A., Blairstown, N. J. Handle device for utensils. 1,789,876; Jan. 20.
Mompou, Joaquin G., Barcelona, Spain. Cut out figures constituted by strips or rods. 1,827,599; Oct. 13.
Monadnock Mills. (See Thomas, Frederick R. L., assignor.)
Monaghan, James, Allentown, Pa. Sanitation device. 1,800,226; Apr. 14.
Monaghan, James, Allentown, Pa. Sanitation apparatus. 1,800,261; Apr. 14.
Monaghan, William H. (See Brenneman, R. B., and Monaghan.)
Monar, Fred B., Washington, D. C. Piezo crystal circuit. 1,795,343; Mar. 10.
Monar, Fred B., Washington, D. C. Communication system. 1,824,784; Sept. 29.
Monarch Governor Co. (See Anderson, James W., assignor.)
Monarch Governor Co. (See Moyers, G. L., and Abraham, assignors.)
Monarch Machine and Manufacturing Company. (See Nielson, Pontus W. G., assignor.)
Monarch Marking System Company, The. (See Kohnle, Frederick, assignor.)
Monarch Tool & Manufacturing Company, The. (See Hall, Louis M., assignor.)
Monckmeier, Gustav C., Tipton, Iowa. Bearing cap facer. 1,823,461; Sept. 15.
Monckmeier, Gustav C., Tipton, Iowa. Automatic take up bearing. 1,825,410; Sept. 29.
Monckmeier, Gustav C., Chicago, Ill. Wear compensating bolt. 1,829,940; Nov. 3.
Monckton, Sawyer Y., San Francisco, Calif. Aspirator device for flusher control. 1,817,016; Aug. 4.
Moncrieff, John, Limited. (See McNish, Alexander F., assignor.)
Mond, Albert L., London, England, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Process of producing castings of magnesium and high grade magnesium alloys. 1,825,242; Sept. 29.
Mondon, Jean R. (See Veyssiere, F., Jay, and Mondon.)
Moneta, Guilio, et al. (See Culimani, A., and Campana, assignors.)
Moneta, Giulio, et al. (See Paolini, Ugo, assignor.)
Moneyron, Marcel. (See Sarazin, R., and Moneyron.)
Mongere, Charles. (See Beatty, H., and Mongere.)
Monical Manufacturing Company. (See Day, Dana C., assignor.)
Monin, George, Los Angeles, Calif. Wedding ring. Des. 84,708; July 21.
Monin, George, Los Angeles, Calif. Wedding ring. Des. 84,709; July 21.
Monitor Controller Company. (See Whittingham, George H., assignor.)
Monjar, Percival C. (See White, W. E., and Monjar.)
Monk, Howard H., assignor to Karmelkorn Corporation, Rockford, Ill. Popcorn machine casing. Des. 85,883; Dec. 29.
Monk, John L., Oakland, Calif. Testing gauge. 1,822,599; Sept. 8.
Monkemeyer, Leonhard, Oberbruch, Kreis Heinsberg, Germany, assignor, by mesne assignments, to American Glanzstoff Corporation, New York, N. Y. Method for treating artificial silk obtained from centrifuges. 1,817,576; Aug. 4.
Monks, Charles. (See Pritchard A., and Monks.)
Monn, James C., Harrisburg, and W. H. Miller, Penbrook, Pa. Hydraulic brake. 1,820,362; Aug. 25.
Monnier, Alfred. (See André, H., and Monnier.)
Monnot, Edward L. (See Case, F. E., and Monnot.)
Monnot, Edward L., assignor to The Harvard Company, Canton, Ohio. Combined heater and illuminator. 1,805,291; May 12.
Monnot, Edward L., assignor to The Harvard Company, Canton, Ohio. Auxiliary foot rest. 1,828,470; Oct. 20.
Monnoyeur, Pierre. (See van Hasselt, D. H., and Monnoyeur.)
Monogram Lens Corporation. (See Arbuckle, Samuel F., assignor.)
Monogram Lens Corporation. (See Arbuckle, S. F., and Brockway, assignors.)
Monogram Lens Corporation. (See Coulter, Guy H., and Arbuckle, assignors.)
Monogram Lens Corporation of New York, N. Y. (See Arbuckle, Samuel F., assignor.)
Monopulse Teletype Corporation. (See Brownstein, Louis, assignor.)
Monosmith, Clayton E., administrator. (See Monosmith, Clayton E. and D. J.)
Monosmith, Clayton E. and D. J., deceased, assignors of one-fourth to G. W. Saywell, Cleveland, Ohio; C. E. Monosmith, administrator, assignor of three-eighths to C. E. Monosmith. Carburetor. 1,828,902; Oct. 27.
Monosmith, David J. (See Monosmith, Clayton E. and D. J.)
Monosmith, Le Roy B., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Metal working tool. 1,836,543; Dec. 15.
Mono-Spar Company, The. (See Stieger, Helmut J., assignor.)
Monotype Corporation Limited, The. (See Abrate, Jean B., assignor.)
Monowatt Electric Corporation, The. (See Benander, George B., assignor.)
Monowatt Electric Corporation, The. (See Clemence, Elliott, assignor.)
Monowatt Electric Corporation, The. (See Coleman, Roy E., assignor.)
Monowatt Electric Corporation, The. (See Coleman, R. E. and Groten, assignors.)
Monro, Randolph, and J. C. Goshorn, Edgewood, Md. Canister. 1,789,262; Jan. 13.
Monro, William L., jr., assignor to Window Glass Machine Company, Pittsburgh, Pa. Making sheet glass. 1,833,119; Nov. 24.
Monroe, Albert M., Palo Alto, Calif. Football score board. 1,814,729; July 14.
Monroe, Andrew G. and W., Arthur, Ill. Leaning-wheel road grader. 1,792,238; Feb. 10.
Monroe Auto Equipment Company. (See McIntyre, Brouwer D., assignor.)
Monroe Calculating Machine Company. (See Bricken, John, assignor.)
Monroe Calculating Machine Company. (See Britten, Edwin F., jr., assignor.)
Monroe Calculating Machine Company. (See Britten, E. F., and Brown, assignors.)
Monroe Calculating Machine Company. (See Brown, Lee R., assignor.)
Monroe Calculating Machine Company. (See Chase, George C., assignor.)
Monroe Calculating Machine Company. (See Chase, G. C., and Brown, assignors.)
Monroe Calculating Machine Company. (See Crosman, Loring P., assignor.)
Monroe Calculating Machine Company. (See Dennis, Adolphus S., assignor.)
Monroe Calculating Machine Company. (See Enders, Hugo E., assignor.)
Monroe Calculating Machine Company. (See Falstrom, Theodore G., assignor.)
Monroe Calculating Machine Company. (See Masch, Fred, assignor.)
Monroe Calculating Machine Company. (See Overbury, Austin A., assignor.)
Monroe Calculating Machine Company. (See Walter, Edward C., assignor.)
Monroe, Fred R., H. K. Dolson, and B. T. Tuttle, Middletown, N. Y. Static eliminator. 1,809,789; June 9.
Monroe, George, Detroit, Mich. Spring nut lock. 1,793,116; Feb. 17.
Monroe, George W. (See Monroe, Andrew J. and G. W.)
Monroe-Louisiana Carbon Company. (See Matlock, Chauncey, assignor.)
Monroe, Rollo., assignor to Smith-Monroe Company, South Bend, Ind. Air cooling device. 1,818,343; Aug. 11.
Monroe, Verne, Cameron, W. Va. Fishing tool. 1,790,387; Jan. 27.
Monroe, Verne, Cameron, W. Va. Fishing tool. 1,793,117; Feb. 17.
Monroe, Verne, Cameron, W. Va., and R. L. Fletcher, Washington, Pa. Drive clamp. 1,790,388; Jan. 27.
Monroe, William S., Chicago, Ill., assignor, by mesne assignments, to Fuller Lehigh Company. Steam boiler. 1,813,504; July 7.
Monsanto Chemical Works. (See Carswell, Thomas S., assignor.)
Monsanto Chemical Works. (See Watt, Lynn A., assignor.)
Monsch, Simon P., Pontezer, near Guingamp, France. Pipe coiled with steel wire for pressure conduits and vessels under pressure. 1,804,888; May 12.
Monschein, Robert, assignor to The National City Bank, Cleveland, Ohio, executors of M. H. Glauber, deceased, operating as Glauber Brass Manufacturing Co. 1,794,195; Feb. 24.
Monsees, Carl H., Salisbury, Md. Copy attachment for typewriters. 1,808,857; June 9.
Monson, Louis T. (See De Groote, M., and Monson.)
Monson, Louis T. (See De Groote, M., Monson, and Keiser.)
Montagnon, Jule, Hamden, Conn., assignor to American Telephone and Telegraph Company. Spanner wrench. 1,838,278; Dec. 29.
Montague Rod & Reel Company. (See Bennett, Raymond B., assignor.)
Montan, Inc. (See Coolidge, Joseph R., 3d, assignor.)
Montano, Antonio, La Jara, and E. R. Romero, Antonito, assignors of one-fourth to A. Gonzales and one-fourth to J. G. Gonzales, La Jara, Colo. Roller road planer. 1,790,758; Feb. 3.
Montaney, Louis P., Wenatchee, Wash. Pneumatic displacement pump. 1,838,433; Dec. 29.
Montambault, Wilfred J., Waterbury, Conn. Storage battery terminal clamp. 1,808,368; June 2.
Monteagle, Robert C., San Francisco, Calif. Piston ring. 1,808,057; June 2.
Monteith, Howard A., West Palm Beach, Fla. Vehicle brake. 1,801,522; Apr. 21.
Monteith, Robert H., Lockland, Ohio. Bail for hand lanterns. 1,807,491; May 26.
Montelius, Carl O. J., Stockholm, Sweden. Rotary pump, compressor or measuring device. 1,821,523; Sept. 1.
Montelius, Ernst E. L. (See Paulson, J. B., and Montelius.)

Monterio, José N., New Bedford, Mass. Meat cutter. 1,805,411; May 12.
Monteux, Benjamin E., assignor of one-half to P. L. Durand, Paris, France. Pipes of cement or reenforced cement. 1,802,265; Apr. 28.
Montgomery, Andrew P., Kew Gardens, N. Y., assignor to A. H. Grebe & Co., Inc., Richmond Hill, N. Y. Acoustical device. 1,824,730; Sept. 22.
Montgomery, Donald H., Berlin, Conn. Automobile. Des. 85,298; Oct. 6.
Montgomery, Donald H., Berlin, assignor to The New Britain-Gridley Machine Company, New Britain, Conn. Hydraulic apparatus. 1,796,936; Mar. 17.
Montgomery, Dorothy N., London, England. Portable container for toilet requisites and other small articles. 1,794,118; Feb. 24.
Montgomery, Fred H., et al. (See Hartman, Frank E., assignor.)
Montgomery, Gustavus A., Dallas, Tex. Control mechanism for rotary drill pipes. 1,794,196; Feb. 24.
Montgomery, Gustavus A., Dallas, Tex. Unscrewing preventer. 1,796,611; Mar. 17.
Montgomery, Gustavus A., Dallas, Tex. Drill stem guide. 1,801,968; Apr. 21.
Montgomery, Harry S., Oil City, Pa. Cord reel. 1,819,434; Aug. 18.
Montgomery, James H., Los Angeles, Calif. Spray device. 1,832,570; Nov. 17.
Montgomery, John A., Denver, Colo. Construction of zeolite water softeners. 1,787,698; Jan. 6.
Montgomery, Leon M., Montgomery, Ala. Headlight lens. 1,797,012; Mar. 17.
Montgomery, Stonewall J., Cedar Vale, Kans. Cross chain fastener. 1,837,982; Dec. 22.
Montgomery, Thomas. (See Ewing, C. R., and Montgomery.)
Montgomery, W. Ray, et al. (See Hartman, Frank E., assignor.)
Montgomery Ward & Co. (See Bonebrake, Paul K., assignor.)
Montgomery Ward & Co. (See Knapp, Leland G., assignor.)
Montgomery Ward & Co., Incorporated. (See Prall, Bert R., assignor.)
Montgomery, William J., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Centrifugal fan. 1,806,860; May 26.
Montuori, Felix C., Washington, D. C., assignor to Baker & Co. Inc. Swaging press. 1,794,197; Feb. 24.
Montuori, Felix C., Washington, D. C., assignor to Baker & Company, Inc. Denture retaining device. 1,826,014; Oct. 6.
Montuori, Felix C., Washington, D. C., assignor to Cook Laboratories, Inc., Chicago, Ill. Hypodermic syringe. 1,838,039; Dec. 22.
Monypenny Bros. Limited. (See Monypenny, Louis F., assignor.)
Monypenny, Louis F., assignor to Monypenny Bros. Limited, Toronto, Ontario, Canada. Undergarment. 1,832,043; Nov. 17.
Monzroll, Jeffroy, Dalhousie, New Brunswick, Canada. Wrench. 1,833,790; Nov. 24.
M O Och Domsjö Aktiebolag. (See Waenerlund, Torston E., assignor.)
Moodhe, Gilbert E., Spokane, Wash. Woodworking machine tool. 1,838,186; Dec. 29.
Moodie, Alexander, East Orange, N. J., assignor to Pendennis Toiletries, Incorporated, New York, N. Y. Cosmetic container. 1,813,121; July 7.
Moody, Graham B., et al. (See McCarty, Madison P., assignor.)
Moody, Herbert A., Turners Falls, Mass. Erecting cellular concrete structures. 1,799,697; Apr. 7.
Moody, Joseph F., Tulsa, Okla. Safety-hook device. 1,790,056; Jan. 27.
Moody, Lewis F., Philadelphia, Pa. Hydraulic turbine. 1,803,673; May 5.
Moody, Lewis F., Phildaelphia, Pa. Labyrinth packing for turbines. 1,820,150; Aug. 25.
Moody, Lewis F., Philadelphia, Pa. Valve. 1,824,916; Sept. 29.
Moody, Lewis F., Philadelphia, Pa. Hydraulic apparatus. 1,833,529; Nov. 24.
Moody, Lewis F., Philadelphia, Pa. Vane formation for rotary elements. 1,836,860; Dec. 15.
Moody, Lewis F., Philadelphia, Pa. Regulating system for hydraulic turbines. 1,836,861; Dec. 15.
Moody, Lewis F., Philadelphia, Pa. Hydraulic turbine. 1,837,568; Dec. 22.
Moody, Lewis F., Philadelphia, Pa. Hydraulic turbine. 1,837,569; Dec. 22.
Moody, Lewis F., Philadelphia, Pa. Hydraulic turbine. 1,837,570; Dec. 22.
Moody, Maxey D. (See Albertson, William E., assignor.)
Moody, Stanley L., Des Moines, and W. M. Loucks, Valley Junction, Iowa. Combination tobacco ash receptacle and cigarette snuffer. Des. 84,791; Aug. 4.
Moody, Walter S., Pittsfield, Mass., assignor to General Electric Company. Transformer. 1,833,719; Nov. 24.
Moody, William O., La Grange, Ill., assignor, by mesne assignments of one-half to Illinois Railway Equipment Company. Brake-hanger-supporting means. 1,795,033; Mar. 3.
Moody, William O., La Grange, Ill., assignor to Frederic Schaefer, Pittsburgh, Pa. Brake hanger support. 1,806,700; May 26.
Mooers, Louis P., assignor to The Columbia Axle Company, Cleveland, Ohio. Manufacture of pressed brake shoes. 1,810,923; June 23.
Mooers, Louis P., Cleveland, and H. W. Fies, Cleveland Heights, assignors to The Columbia Axle Company, Cleveland, Ohio. Brake mechanism. 1,819,192; Aug. 18.
Mooers, Louis P., Tonawanda, N. Y., assignor to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,826,185; Oct. 6.
Mooers, Louis P., assignor to The Columbia Axle Company, Cleveland, Ohio. Brake shoe and making same. 1,826,283; Oct. 6.
Moomau, John W., West Allis, assignor of one-half to G. W. Strauss, Milwaukee, Wis. Safety device for burners. 1,788,063; Jan. 6.
Moon, Alva H., assignor to The American Rolling Mill Company, Middletown, Ohio. Band tightening tool. 1,828,290; Oct. 20.
Moon, John W., assignor to Fretz-Moon Tube Company, Inc., Butler, Pa. Apparatus for treating metal-coated articles to insure uniformity of coating. 1,799,760; Apr. 7.
Moon, John W., assignor to Fretz-Moon Tube Company, Inc., Butler, Pa. Apparatus for electroplating articles of elongated contours. 1,838,187; Dec. 29.
Moon, Morris R., Portland, Oreg. Automatic window cleaner. 1,803,722; May 5.
Moon, Sampson W., assignor to W. J. Cameron, Chicago, Ill. Oscillatory motor for electric safety razors. 1,834,103; Dec. 1.
Moonbeam Manufacturing Company, The. (See David, Bruce W., assignor.)
Mooney, Albert W. (See Alexander, J. D., and Mooney.)
Mooney, Fred L., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and apparatus for locating elements upon shoe-bottoms. 1,804,427; May 12.
Moonyian, Karrey, et al. (See Boggs, Hugh L., assignor.)
Moor, Emanuel, Mont Pelerin sur Vevey, Switzerland. Keyboard for musical instruments. 1,788,775; Jan. 13.
Moor, Emanuel, Mont Pelerin Sur Vevey, Switzerland, assignor of part interest to the firm C. Bechstein, Pianofortefabrik A. G., Berlin, Germany. Stringed musical instrument. 1,807,746; June 2.
Moor, Herbert H. (See Stratford, R. K., McIntyre, and Moor.)
Moor, Herbert H., Rock Island, Ill. Toy. Des. 84,255; May 26.
Moore, Albert H. (See Pickering, A. V., and Moore.)
Moore, Almer F. (See Morrissey, M. A., and Moore.)
Moore, Ambrose C., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam support. 1,829,418; Oct. 27.
Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Apparatus for control of combustion in internal-combustion engines. 1,793,554; Feb. 24.
Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Charge-forming apparatus for internal-combustion engines. 1,793,555; Feb. 24.
Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Apparatus for modifying and supplementing charges for internal-combustion engines. 1,793,556; Feb. 24.
Moore, Arlington, New York, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Mechanical movement. 1,800,467; Apr. 14.
Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Manifold for supply of supplemental gases to internal combustion engines. 1,808,713; June 2.
Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Combustion chamber construction for internal combustion engines. 1,814,523; July 14.
Moore, Arlington, assignor to Moore Inventions Corporation, Worcester, Mass. Externally soldered can closure and making same. 1,816,440; July 28.
Moore, Benjamin S., Detroit, assignor to Oakes Products Corporation, North Chicago, Ill. Spare wheel locking device. 1,806,764; May 26.
Moore, Benjamin, and E. H. Benn, assignors to Rumble-top Corporation, Boston, Mass. Top for rumble seats of automobiles. 1,796,471; Mar. 17.
Moore, Bert W. (See Kendrick, C. E., and Moore.)
Moore Brothers. (See Dibble, Claude M., assignor.)
Moore Brothers Company. (See Dibble, Claude M., assignor.)
Moore Brothers Company. (See Moore, Lewis, assignor.)
Moore, Bruce A., Blawnox, Pa. Loading and unloading device. 1,804,266; May 5.
Moore, Carl M. (See Fuller, F. A., and Moore.)
Moore, Charles A., Edina, Minn. Heating, ventilating, and humidifying appliance. 1,789,560; Jan. 20.
Moore, Charles A., Edina, Minn. Refrigerating appliance. 1,789,561; Jan. 20.
Moore, Charles A., Edina, Minn. Refrigerating appliance for cold-storage rooms. 1,789,592; Jan. 20.
Moore, Charles A., Edina, Minn. Refrigerating means for precooling and cold-storage rooms. 1,789,984; Jan. 27.

Moore, Charles A., Edina, Minn. Refrigerating and controlling the circulation of air in cold storage rooms. 1,813,187; July 7.
Moore, Charles A., Edina, Minn. Air conditioning and circulating apparatus for cold storage chambers. 1,813,188; July 7.
Moore, Charles A., Edina, Minn. Conditioning and circulating the air in cold storage rooms. 1,813,250; July 7.
Moore, Charles A., Edina, Minn. Refrigerating system for cars. 1,822,305; Sept. 8.
Moore, Charles A., Edina, Minn. Air conditioning device for cold storage rooms. 1,832,874; Nov. 24.
Moore, Charles A., Edina, Minn. Structure for conditioning air for stored produce. 1,832,912; Nov. 24.
Moore, Charles C., San Francisco, Calif. Desulphurizing fruit. 1,835,237; Dec. 8.
Moore, Charles E., San Francisco, Calif. Feed-screw limit gauge for lathes. 1,799,311; Apr. 7.
Moore, Charles F., assignor to Dampney Company of America, Boston, Mass. Tube-coating brush. 1,796,337; Mar. 17.
Moore, Charles F., assignor to The Dampney Company of America, Boston, Mass. Coating the interior of tubes. 1,796,338; Mar. 17.
Moore, Charles F., assignor to Dampney Company of America, Boston, Mass. Tube-coating brush. 1,799,385; Apr. 7.
Moore, Charles G., Lakewood, and M. Zucker, assignors to The Glidden Company, Cleveland, Ohio. Synthetic resin compound and preparing the same. 1,812,639; June 30.
Moore, Charles R. (See Wegel, R. L., and Moore.)
Moore, Charles R., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Alternating-current rectifier. 1,788,028; Jan. 6.
Moore, Charles R., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Joining wires by means of sleeves. 1,827,297; Oct. 13.
Moore, Chester J., Baltimore, Md. Toy. 1,796,157; Mar. 10.
Moore, Clarence W., Roslyn, Pa., assignor to O. H. Pelper and A. F. Pieper, Rochester, N. Y. Dental unit. 1,815,953; July 28.
Moore, Clarence W., Roslyn, Pa., assignor, by mesne assignments, to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Lamp support. 1,819,842; Aug. 18.
Moore, Claude E. (See Sanine, Pierre, assignor.)
Moore, Columbus E., Keystone, W. Va. Headlight structure. 1,818,735; Aug. 11.
Moore Company, The. (See Houser, Edward, assignor.)
Moore, Creed F., Los Angeles, Calif. Hose reel. 1,799,599; Apr. 7.
Moore, Daniel M., East Orange, N. J., assignor to General Electric Company. Gaseous conduction lamp. 1,816,690; July 28.
Moore, Daniel M., East Orange, N. J., assignor to General Electric Company. Picture transmitting system. 1,824,731; Sept. 22.
Moore, Daniel M., East Orange, N. J., assignor to General Electric Company. Electrical discharge device. 1,834,251; Dec. 1.
Moore, David P., Avan Park, Fla. Knitted pile fabrics and making the same. 1,791,741; Feb. 10.
Moore, Donald L., St. Anthony, Newfoundland. Support for ear phones. 1,809,349; June 9.
Moore Drop Forging Company. (See Cross, Samuel C., assignor.)
Moore Dry Kiln Company. (See Harvey, Jesse W., assignor.)
Moore Dry Kiln Company. (See Rankin, Joseph A., assignor.)
Moore Dry Kiln Company. (See Williams, Patrick M., assignor.)
Moore, Edgar D., assignor to The Ohio Brass Company, Mansfield, Ohio. Current-collection scheme. 1,793,557; Feb. 24.
Moore, Edgar J., Columbus, Ohio. Powder puff. 1,821,393; Sept. 1.
Moore Fabric Company. (See Moore, John V., assignor.)
Moore Fabric Company. (See Moore, J. V., and Jenisch, assignors.)
Moore, Frank L., Chatham, N. J. Carrying device. 1,794,471; Mar. 3.
Moore, Frank R., Upper Darby, Pa. Grinding head or attachment. 1,825,883; Oct. 6.
Moore, Frank W. (See Harty, W. A., and Moore.)
Moore, Fred C., Spokane, Wash. Combination protractor and scale. 1,803,200; Apr. 28.
Moore, Frederick A., et al. (See Kavanagh, Michael J., assignor.)
Moore, Frederick T., East Hartford, and C. Pfeiffer, Hartford, Conn., assignors to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Reversible feed mechanism for machine guns. 1,803,351; May 5.
Moore, George, Flint, Mich. Combined rear view mirror and parking light for automobiles. 1,814,728; July 14.
Moore, George A., Boston, Mass. Finishing heads of set screws and other articles. 1,822,708; Sept. 8.
Moore, George A., Glendale, Calif. Aerial toy. 1,835,717; Dec. 8.
Moore, George A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Disk-spring commutator. 1,826,628; Oct. 6.
Moore, George C. (See Purnell, Charles W., assignor.)
Moore, George C., Company. (See Neidel, Oscar F., assignor.)
Moore, George L., and J. R. Steele, Owego, N. Y. Rail anchor. 1,830,477; Nov. 3.
Moore, George L., Chicago, Ill., assignor to Auto Research Corporation. Lubricating system. 1,813,122; July 7.
Moore, George L., assignor to Alemite Corporation, Chicago, Ill. Measuring unit for lubricating systems. 1,821,314; Sept. 1.
Moore, George W., Long Beach, Calif. Weldless elevator link. 1,810,978; June 23.
Moore, Giles S., Indianapolis, Ind. Sliding trolley. 1,789,250; Jan. 13.
Moore, Giles S., Indianapolis, Ind. Static eliminator for radioreceivers. 1,838,434; Dec. 29.
Moore, Giles S., Indianapolis, and O. Moore, Frankfort, Ind. Automatic retriever for trolleys. 1,796,211; Mar. 10.
Moore, Harry L. (See Rall, E. D., Moore, and Nivert.)
Moore, Henry A. (See Stuart, T. F., and Moore.)
Moore Inventions Corporation. (See Moore, Arlington, assignor.)
Moore, Ira, Peoria, Ariz. Land marker. 1,801,680; Apr. 21.
Moore, Irving B., Watertown, assignor of one-half to J. R. Sibley, West Roxbury, Mass. Bumper. 1,833,367; Nov. 24.
Moore, James A., Rochester, Pa. Spacing mechanism. 1,789,151; Jan. 13.
Moore, John B., Uleta, Fla. Awning. 1,799,020; Mar. 31.
Moore, John C., et al. (See Stafford, John E., assignor.)
Moore, John M., New York, N. Y. Day and night license plate for motor vehicles. 1,798,483; Mar. 31.
Moore, John M., New York, N. Y. Day and night license plate for motor vehicles. 1,809,524; June 9.
Moore, John T., Reading, Pa., assignor, by mesne assignments, to Rex-Watson Corporation, Canastota, N. Y. Wheel guide for tractor chains. 1,802,215; Apr. 21.
Moore, John T., Reading, Pa., assignor, by mesne assignments, to Rex-Watson Corporation, Canastota, N. Y. Link belt. 1,807,925; June 2.
Moore, John T., Reading, Pa., assignor, by mesne assignments, to Rex-Watson Corporation, Canastota, N. Y. Wheel guide for traction chains. 1,807,926; June 2.
Moore, John T., Reading, Pa., assignor, by mesne assignments, to Rex-Watson Corporation, Canastota, N. Y. Wheel guide. 1,828,375; Oct. 20.
Moore, John T., Reading, Pa., assignor, by mesne assignments, to Rex-Watson Corporation, Canastota, N. Y. Wheel guide for tractor chains. 1,830,910; Nov. 10.
Moore, John T., Reading, Pa., assignor, by mesne assignments, to Rex-Watson Corporation, Canastota, N. Y. Creeper attachment for tractor wheels. 1,830,911; Nov. 10.
Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Mechanism and method for producing elastic fabrics. Re17,934; Jan. 20.
Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Producing elastic fabric. Re17,935; Jan. 20.
Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Elastic fabric. 1,796,041; Mar. 10.
Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Supporting belt. 1,830,285; Nov. 3.
Moore, John V., and C. Jenisch, Pawtucket, assignors to Moore Fabric Company, Pawtucket, R. I. Machine for winding cone warps. 1,834,961; Dec. 8.
Moore, Joseph J., Karnack, Tex. Saw filing machine. 1,806,361; May 19.
Moore, Joseph W., Runcorn, Cheshire, and A. Lamble, Liverpool, assignors to Imperial Chemical Industries Limited, London, England. Manufacture of bleaching powder. 1,826,629; Oct. 6.
Moore, Kenneth L. (See Moore, Willard A. and K. L.)
Moore, L. F., et al. (See Bryant, Weaver H., assignor.)
Moore, Landon C., Dallas, and W. T. Jackson, San Antonio, assignors, to The Moore Process Chemical Co., Dallas, Tex. Removing paint, enamel, etc. Re18,242; Nov. 3.
Moore, Lee. (See Harding, Alfred L., assignor.)
Moore, Lee C. & Company. (See McEwen, John D., assignor.)
Moore, Lewis, assignor to Moore Brothers Company, Joilet, Ill. Kitchen heater gas range. Des. 84,428; June 16.
Moore, Lewis F., Roanoke, and P. Craighill, Lynchburg, assignors to Walker Machine & Foundry Corporation, Roanoke, Va. Bench. Des. 83,338; Feb. 17.
Moore, Lewis F., Roanoke, and P. Craighill, Lynchburg, assignors to Walker Machine & Foundry Corporation, Roanoke, Va. Table. Des. 83,339; Feb. 17.
Moore, Lewis F., Roanoke, and P. Craighill, Lynchburg, assignors to Walker Machine & Foundry Corporation, Roanoke, Va. Chair. Des. 85,387; Oct. 20.
Moore, Marcus D., Bloomington, Ind. Dirigible light. 1,794,239; Feb. 24.
Moore, Marcus D., Bloomington, Ind. Fuel control for internal combustion engines. 1,826,630; Oct. 6.
Moore, Marguerite E., New York, N. Y. Window shade fitting. 1,838,320; Dec. 29.
Moore, Matthew S. (See Black, William C., assignor.)
Moore, Orla L., Chicago, Ill. Laboratory sifter. 1,795,960; Mar. 10.
Moore, Oscar I., Shreveport, La. Valve. 1,801,361; Apr. 21.

Moore, Oscar W., Chicago, Ill. Container with article delivery means. 1,801,634; Apr. 21.
Moore, Otto. (See Moore, Giles S., and Otto.)
Moore, Paul B., and B. Lewis, Indianapolis, Ind., assignors to Martin-Parry Corporation, York, Pa. Windshield ventilator. 1,831,507; Nov. 10.
Moore, Philip W., Hubbard Woods, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,835,800; Dec. 8.
Moore Process Chemical Co., The. (See Moore, L. C., and Jackson, assignors.)
Moore, Ralph B., Portland, Oreg. Tractor hoist. 1,803,400; May 5.
Moore, Ralph B., Portland, Oreg. Lumber carrier. 1,818,420; Aug. 11.
Moore, Ray K., Freeport, assignor of one-half to W. J. Laffey, Chicago, Ill. Truck with convertible wheel structure and cooperating jack means. 1,807,793; June 2.
Moore, Ray K., Freeport, assignor of one-half to W. J. Laffey, Chicago, Ill. Vehicle for highway and railway travel. 1,827,898; Oct. 20.
Moore, Raymond G., Bridgeport, Conn. Hood catch. 1,822,164; Sept. 8.
Moore, Raymond G., Bridgeport, Conn. Hood catch. 1,822,165; Sept. 8.
Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,789,828; Jan. 20.
Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,805,496; May 19.
Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,836,544; Dec. 15.
Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Automobile hood clamp. 1,812,215; June 30.
Moore, Raymond H., Chicago, Ill. Material conveying system. 1,827,326; Oct. 13.
Moore, Raymond H., assignor to Whiting Corporation, Harvey, Ill. Dust arrester. 1,818,736; Aug. 11.
Moore, Raymond P., Kenmore, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Condensing apparatus. 1,793,119; Feb. 17.
Moore, Richard C., assignor to The Coe Manufacturing Company, Painesville, Ohio. Drier. 1,834,962; Dec. 8.
Moore, Robert E. (See Nelson, Henry F., assignor.)
Moore, Robert E., Maplewood, N. J. Composite curb. 1,789,829; Jan. 20.
Moore, Robert E., St. Louis, Mo. Combined door and partition. 1,810,780; June 16.
Moore, Robert H., New York, N. Y. Bookmark. 1,808,931; June 9.
Moore, Robert H., New York, N. Y. Bookmark. 1,816,910; Aug. 4.
Moore, Robert L. (See Spear, E. B. and Moore.)
Moore, Robert N., Tempe, Ariz. Device for forming plant protectors. 1,822,818; Sept. 8.
Moore, Robert S., Silver Spring, Md. Airplane. 1,827,253; Oct. 13.
Moore, Robert S., assignor to General Airmotors Company, Scranton, Pa. Gas engine. 1,820,475; Aug. 25.
Moore, Ross, Columbus, Ohio. Lamp. Des. 85,537; Nov. 10.
Moore, Roy S., Chicago, Ill., and E. B. Nickles, Manitowoc, Wis. Clutch-operating device. 1,791,739; Feb. 10.
Moore, Sherwood T., Orange, assignor to T. A. Edison, Incorporated, West Orange, N. J. Production of phonograph styli. 1,817,094; Aug. 4.
Moore Steam Turbine Corporation. (See Church, Maynard D., assignor.)
Moore, Sylvester E., Yuma, Ariz. Turntable. 1,802,439; Apr. 28.
Moore, Thomas M., Toronto, Ontario, Canada. Three way envelope. 1,822,997; Sept. 15.
Moore, Thomas P., Morris Plains, N. J. Centrifugal pumping system. 1,830,286; Nov. 3.
Moore, Tom. (See Steele, Lawrence L., assignor.)
Moore, Wallace F., assignor to The American Hardware Corporation, New Britain, Conn. Door closer. 1,816,391; July 28.
Moore, Wallace F., assignor to The American Hardware Corporation, New Britain, Conn. Door closer. 1,816,392; July 28.
Moore & White Company, The. (See White, Joseph A., assignor.)
Moore, Willard A. and K. L., Muncie, Ind. Molder's flask. 1,796,158; Mar. 10.
Moore, Willard C., Dayton, Ohio. Fuel and speed control device. 1,819,688; Aug. 18.
Moore, William, Chappaqua, N. Y., assignor to American Cyanamid Company, New York, N. Y. Insecticide. 1,797,877; Mar. 24.
Moore, William D., assignor to The Selby Shoe Company, Portsmouth, Ohio. Portable shoe rack for factories. 1,837,882; Dec. 22.
Moore, William E., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 1,801,635; Apr. 21.
Moore, William E., assignor to Pittsburgh Research Corporation, Pittsburgh, Pa. Electric furnace. 1,818,239; Aug. 11.
Moore, William J., Brooklyn, assignor to Nomac Corporation, New York, N. Y. Diffuser for exhaust gases. 1,813,189; July 7.
Moore, William J. P., New York, N. Y. Self-aligning hollow sphere bearing piston. 1,787,638; Jan. 6.
Moore, William L., Jersey City, N. J. Deck of playing cards. Des. 84,429; June 16.
Moore, William L., Dayton, Ohio. Photographic abrasive pencil. 1,813,675; July 7.
Moore, William M., Little Rock, Ark. Hot pan holder 1,818,344; Aug. 11.
Moore, William R., jr., Hagerstown, Md., assignor to Deca-Disc Phonograph Company, Waynesboro, Pa. Automatic talking machine. 1,800,803; Apr. 14.
Moore, William R., jr., Hagerstown, Md., assignor to Deca Disc Phonograph Company, Waynesboro, Pa. Synchronizing talking motion picture machines. 1,827,947; Oct. 20.
Moore, Wilma A. (See Swain, Rodney L., and Moore.)
Moorefield, William E. (See Smalley, R. C., and Moorefield.)
Moorehead, James W., Zelienople, Pa. Lubricant. 1,824,443; Sept. 22.
Moorehead, William R., assignor to L. A. Darling Company, Bronson, Mich. Display-stand base. Des. 83,873; Apr. 7.
Moores, Charles H., assignor to Moores & Dunford, Inc., New York, N. Y. Storage box. 1,793,118; Feb. 17.
Moores & Dunford, Inc. (See Moores, Charles H., assignor.)
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,788,732; Jan. 13.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,791,280; Feb. 3.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,793,186; Feb. 17.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,794,087; Feb. 24.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Pump for internal-combustion engines. 1,794,088; Feb. 24.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,798,100; Mar. 24.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,818,001; Aug. 11.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,818,002; Aug. 11.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle axle. 1,819,110; Aug. 18.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,823,694; Sept. 15.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,823,695; Sept. 15.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,830,124; Nov. 3.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,833,401; Nov. 24.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Hydraulic shock absorber. 1,836,932; Dec. 15.
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Hydraulic shock absorber. 1,836,933; Dec. 15.
Moorhouse, Alfred, and S. G. Bowman, Pittsburgh, Pa. Pipe organ. 1,796,386; Mar. 17.
Moorhouse, Louis B., Englewood, N. J., assignor to Combustion Utilities Corporation, New York, N. Y. Apparatus for generating water gas. 1,831,788; Nov. 10.
Moorman, Arthur R. (See Carpenter, I. C., and Moorman.)
Moorman, Arthur R., Wood River, Ill., and I. C. Carpenter, New Rochelle, N. Y., assignors to Contact Filtration Company, San Francisco, Calif. Refining oils. 1,809,862; June 16.
Moorman Manufacturing Company. (See Pfeiffer, Grover F., assignor.)
Moormann, Thomas A., Milwaukee, Wis., assignor to The Shaler Company, Wilmington, Del. Liquid heat transferring composition. 1,820,085; Aug. 25.
Moorshead, Thomas C., assignor to The United Glass Bottle Manufacturers, Limited, London, England. Glass shaping machine. 1,802,031; Apr. 21.
Moorshead, Thomas C., Strand, assignor to The United Glass Bottle Manufacturers Limited, London, England. Glass shaping machine. 1,807,857; June 2.
Moos, Paul. (See Pudelko, R., and Moos.)
Mooshruger, Alfonse. (See Helmlinger, Remi, assignor.)
Moorshead, Thomas C., assignor to The United Glass Bottle Manufacturers, Limited, London, England. Glass shaping machine. 1,838,435; Dec. 29.
Moosherr, John, New York, N. Y. Lace. Des. 83,693; Mar. 17.
Moosherr, John, New York, N. Y. Lace. Des. 85,257; Sept. 29.
Moosherr, John, New York, N. Y. Lace. Des. 85,258; Sept. 29.
Moosherr, John, New York, N. Y. Lace. Des. 85,619; Nov. 24.
Mooshy, George, Chicago, Ill. Single control combination hot and cold water supply faucet. 1,823,599; Sept. 15.
Moraine Products Company, The. (See Davis, James H., assignor.)
Moraine Products Company. (See Lemming, John C., assignor.)

Moraine Products Company, The. (See Lemming, J. C., and Valentine, assignors.)
Moraine Products Company, The. (See Short, Charles R., assignor.)
Moraine Products Company. (See Valentine, Albert H., assignor.)
Morali, Charles, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 83,561; Mar. 3.
Morali, Charles, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 84,047; Apr. 28.
Morali, Charles, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 84,048; Apr. 28.
Morali, Charles, assignor to Delman, Inc., New York, N. Y. Shoe. Des. 84,645; July 14.
Morales, Rita. (See Bushnell, L. S., and Morales.)
Moran, Frank D., San Carlos, Calif. Combined baby bib and harness. 1,837,983; Dec. 22.
Moran, Frank J. (See Lucas, Earl S., assignor.)
Moran, Harry F., Wooster, Ohio, assignor to The Parkersburg Rig and Reel Company, Parkersburg, W. Va. Sand reel post. 1,822,819; Sept. 8.
Moran, Henry L., Cleveland, Ohio. Treatment of rubber stock. 1,790,875; Feb. 3.
Moran, John F., Jersey City, N. J. Electromagnetic bell. 1,797,013; Mar. 17.
Moran, John L., and A. J. Lee, assignors of one-fourth to F. E. P. Wilder, Spokane, Wash., and one-fourth to R. Malcom, Chicago, Ill. Goggles. 1,800,558; Apr. 14.
Moran, John L., and A. J. Lee, Spokane, Wash., assignors, by mesne assignments of one-fourth to F. E. P. Wilder, Spokane, Wash., and one-fourth to R. Malcom, Chicago, Ill. Goggles. 1,805,633; May 19.
Moran, John L., and A. J. Lee, Spokane, Wash., assignors of one-fourth to R. Malcom, Chicago, Ill., and one-fourth to F. E. P. Wilder, Spokane, Wash. Strap. 1,810,027; June 16.
Moran, Joseph F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Sprinkler head. Des. 84,900; Aug. 18.
Moran, William C., Laurel Springs, N. J., assignor to Riehle Bros. Testing Machine Company, Philadelphia, Pa. Testing machine. 1,798,948; Mar. 31.
Moran, William C., Laurel Springs, N. J., assignor to Riehle Bros. Testing Machine Co., Philadelphia, Pa. Lever system for testing machines. 1,798,949; Mar. 31.
Moran, William C., Laurel Springs, N. J., assignor to Riehle Bros. Testing Machine Company, Philadelphia, Pa. Indicator mechanism. 1,809,525; June 9.
Moran, William J. (See Briggs, Edward, assignor.)
Morangier, Georges C., Moret-sur-Loing, France, assignor to Alemite Corporation, Chicago, Ill. Coupling. 1,802,523; Apr. 28.
Morant, Henry C. F., St. Kilda, Victoria, Australia. Controlling the exposure shutters of photographic cameras. 1,831,874; Nov. 17.
Morasky, Joseph, Brodhead, Colo. Price chart for gasoline pump bowls. 1,804,540; May 12.
Morawski, Adolf, Springfield, Mass. Cord adjuster for electric irons. 1,806,487; May 19.
Moray, Virgil W., New York, N. Y. Apparatus for displacing fluid. 1,823,910; Sept. 22.
Moray, Virgil W., New York, N. Y. Door and operating means therefor. 1,839,045; Dec. 29.
Moraz, Henri, Thoune, Switzerland. Cinematographic device. 1,815,208; July 21.
Morck, Alfred A., New York, N. Y. Shirt attachment. 1,820,287; Aug. 25.
Morck, Alfred A., New York, N. Y. Coat. 1,829,871; Nov. 3.
Morden, Charles W., Portland, Oreg. Pocket case. 1,793,951; Feb. 24.
Morden, Charles W., Portland, Oreg. Smoker's desk stand. 1,793,952; Feb. 24.
Mordt, Erik J., Evanston, Ill. Combined toy pistol holster and belt. Des. 84,841; Aug. 11.
More, Bessie H., executrix. (See Avakian, John C.)
More, Raulston H., assignor to Susquehanna Silk Mills, Sunbury, Pa. Loom shuttle. 1,800,652; Apr. 14.
Moreau, Albert L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,806,262; May 19.
Moreau, Albert L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,835,608; Dec. 8.
Moreau, Jules, La Garenne-Colombes, France. Oil loss preventing device. 1,811,588; June 23.
Moreau, Maurice F., Epinouze, France. Mechanically driven mowing machine. 1,810,781; June 16.
Morden Frog & Crossing Works. (See Gibbs, Benedict T., jr., assignor.)
Morecraft, Harry. (See Eppensteiner, W. M., and Morecraft.)
Morecroft, John H., Palisade, N. J. Electrical meter. 1,836,934; Dec. 15.
Moree, Arthur W., New York, N. Y. Wind deflector and ventilator. 1,830,616; Nov. 3.
Moree, Kinsel E., Racine, Wis., assignor to J. I. Case Plow Works, Inc. Internal-combustion engine. 1,790,674; Feb. 3.
Moree, Kinsel E., Racine, Wis., assignor, by mesne assignments, to The Massey-Harris Company. Tractor. 1,836,982; Dec. 15.
Morefield, Thomas W. (See Duncan, Cecil A., and Morefield.)
Morehouse, Eugene, Providence, R. I., assignor to B. A. Ballou & Co., Inc. Button. 1,793,712; Feb. 24.
Morehouse, Eugene, Providence, R. I., assignor to B. A. Ballou & Co., Inc. Clasp. 1,829,232; Oct. 27.
Morehouse, Francis G. (See Ranger, R. H., and Morehouse.)
Morehouse, Frank B., San Francisco, Calif., assignor to Trayway Mfg. Co. Clothes-washing machine. Re17,967; Feb. 17.
Morehouse, Harry W., Garden City, assignor to The Western Union Telegraph Company, New York, N. Y. Pneumatic tube system. 1,814,222; July 14.
Moreira, Nicolino G., Limeira, Brazil. Apparatus for drying grain and the like. 1,821,983; Sept. 8.
Morel, Emile, Domene, France. Magneto-electric machine. 1,810,844; June 16.
Morel, Louise, assignor of forty per cent to B. Colman, Altadena, Calif. Toy or similar article. Des. 84,998; Sept. 1.
Moreland, Floyd E., York, Pa. Hydraulic and vacuum clutch. 1,832,568; Nov. 17.
Moreland Motor Truck Company. (See Moreland, Watt L., assignor.)
Moreland, Paul C. (See Johns, Lawrence C., assignor.)
Moreland, Watt L., Los Angeles, assignor to Moreland Motor Truck Company, Burbank, Calif. Motor vehicle. 1,794,707; Mar. 3.
Morell, Pascal J., assignor to The American Brass Company, Waterbury, Conn. Zinc base alloy. 1,815,479; July 21.
Morell, Wilhelm, Leipzig, Germany. Speedometer. 1,793,120; Feb. 17.
Morelli, Enrico, Cincinnati, Ohio. Stuccoing and plastering machine. 1,797,437; Mar. 24.
Morelli, Enrico, Cincinnati, Ohio. Stuccoing and plastering machine. 1,797,438; Mar. 24.
Morelli, Enrico, Cincinnati, Ohio. Stuccoing and plastering machine. 1,797,666; Mar. 24.
Morenus, Robert F., Portland, Oreg. Game indicator. 1,833,223; Nov. 24.
Moreton, Henry H., Santa Monica, Calif. Gas heater. 1,790,644; Feb. 3.
Moreton, Henry H., Santa Monica, Calif. Gas heater. 1,805,781; May 19.
Moreton, Henry H., Santa Monica, Calif., assignor of one-third to O. B. Englisch, Chicago, Ill., and one-third to C. F. Craig, Los Angeles, Calif. Oil filter. 1,806,701; May 26.
Moreton, Henry H., Santa Monica, Calif., assignor of one-third to O. B. Englisch, Chicago, Ill., and one-third to C. F. Craig, Los Angeles, Calif. Method of reclaiming contaminated oils. 1,828,428; Oct. 20.
Moreton, Henry H., Santa Monica, Calif., assignor of one-third to O. B. Englisch, Chicago, Ill., and one-third to C. F. Craig, Los Angeles, Calif. Treating oils to remove suspended impurities. 1,828,429; Oct. 20.
Moreton, Henry H., Santa Monica, Calif., assignor of one-third to O. B. Englisch, Chicago, Ill., and one-third to C. F. Craig, Los Angeles, Calif. Purifying oils. 1,828,430; Oct. 20.
Moreton, Henry H., Santa Monica, Calif., assignor of one-third to O. B. Englisch, Chicago, Ill., and one-third to C. F. Craig, Los Angeles, Calif. Apparatus for reclaiming contaminated oils. 1,831,875; Nov. 17.
Moreton, Henry H., Santa Monica, Calif., assignor of one-third to O. B. Englisch, Chicago, Ill., and one-third to C. F. Craig, Los Angeles, Calif. Reclaiming contaminated oils. 1,831,876; Nov. 17.
Moretti, Whitfield, Montague, assignor to Millers Falls Company, Millers Falls, Mass. Electric tool. 1,828,903; Oct. 27.
Morey, Harry J., Syracuse, assignor to Pass & Seymour, Inc., Solvay, N. Y. Pull socket. 1,795,375; Mar. 10.
Morey, Harry J. and C. L. Nicholson, Syracuse, assignors to Pass & Seymour, Inc., Solvay, N. Y. Electric lamp receptacle. 1,816,292; July 28.
Morey, William O., Portland, Oreg. Automatic locator and recovery for sunken vessels. 1,811,241; June 23.
Morford, Arthur R., Kokomo, Ind. Plasterer's float. 1,825,080; Sept. 29.
Morgan, Alexander L., assignor to Display Products Company, Limited, Kansas City, Mo. Sign. 1,801,316; Apr. 21.
Morgan, Annette S., executrix. (See Morgan, William H., sr.)
Morgan, Benjamin H., and G. F. Jones, Westminster, London, England. Air-cooled internal combustion engine. 1,827,600; Oct. 13.
Morgan, Blodgett, Morgan, Inc. (See Morgan, Porter S., assignor.)
Morgan Construction Company. (See Bengtson, Sven L., assignor.)
Morgan Construction Company. (See Bradley, Anson K., assignor.)
Morgan Construction Company. (See Carroll, William E., assignor.)
Morgan Construction Company. (See Crosby, Fred B., assignor.)
Morgan Construction Company. (See Dahlstrom, Frank P., assignor.)
Morgan Construction Company. (See Gallagher, Robert T., assignor.)
Morgan Construction Company. (See George, Jerome R., assignor.)

Morgan Construction Company. (See George, J. R., and Buell, assignors.)
Morgan Construction Company. (See George, J. R., and Dahlstrom, assignors.)
Morgan Construction Company. (See Hult, Philip S., assignor.)
Morgan Construction Company. (See Isley, George H., assignor.)
Morgan Construction Company. (See Keller, Alfred R., assignor.)
Morgan Construction Company. (See Merkt, Gustav A., assignor.)
Morgan Construction Company. (See Nye, Theodore H., assignor.)
Morgan Construction Company. (See Quinn, Edward J., assignor.)
Morgan Construction Company. (See Sheperdson, John W., assignor.)
Morgan, David C., assignor of one-third to William N. Drake, and one-third to E. T. Boyd, Birmingham, Ala. Multiple-lamp headlight for automobiles. 1,795,614; Mar. 10.
Morgan, David H., assignor to The Truscon Steel Company, Youngstown, Ohio. Door-operating mechanism. 1,789,189; Jan. 13.
Morgan, David W. R., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,814,840; July 14.
Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Coal mining and loading machine. 1,790,057; Jan. 27.
Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Loading machine. 1,790,279; Jan. 27.
Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix of the estate. Mining and loading machine. 1,809,282; June 9.
Morgan, Edmund C., deceased, New York, N. Y., by O. E. Morgan, New York, N. Y., executrix. Controlling fluid pressure breaking mechanism for mining machines. 1,809,283; June 9.
Morgan, Edmund C.; O. E. Morgan, executrix, New York, N. Y. Fluid pressure breaking mechanism for mining machines. 1,809,307; June 9.
Morgan Engineering Company, The. (See Bigler, C. L., and Kloos, assignors.)
Morgan, Erving B., assignor to American Seating Company, Grand Rapids, Mich. Table. Des. 84,488; June 23.
Morgan, Gomar, assignor to The Armand Company, Des Moines, Iowa. Lip-stick mold. 1,799,524; Apr. 7.
Morgan, Gomar, assignor to The Armand Company, Des Moines, Iowa. Jar washer. 1,799,525; Apr. 7.
Morgan, Harry E., Longview, assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Sticker-discharge mechanism. 1,796,575; Mar. 17.
Morgan, Harry J., Walnut Park, assignor to P. L. & M. Company, Los Angeles, Calif. Welding method. 1,791,968; Feb. 10.
Morgan, Harry J., Walnut Park, assignor to P. L. & M. Company, Los Angeles, Calif. Welding composition. 1,803,634; May 5.
Morgan, Harry J., Walnut Park, assignor to P. L. & M. Company, Los Angeles, Calif. Welding method. 1,824,166; Sept. 22.
Morgan, Horace H., assignor to Palmer-Bee Company, Detroit, Mich. Paint guard for conveyers. 1,812,112; June 30.
Morgan, Howard H., Hollywood, Calif. Cap support. 1,825,810; Oct. 6.
Morgan, Hugh D., Youngstown, Ohio. Artificial denture and making the same. Re18,311; Dec. 29.
Morgan Hurrycane Company, The. (See Morgan, William H., assignor.)
Morgan, James E., Portland, Oreg. Flexible trolley. 1,817,093; Aug. 4.
Morgan, John C., Los Angeles, Calif. Hatband protective means. 1,808,966; June 9.
Morgan, John D. (See Goldsborough, W. E. Morgan, and Wyckoff, assignors.)
Morgan, John D., Summit, N. J. Windshield-protection means. 1,789,016; Jan. 13.
Morgan, John D., Maplewood, N. J., assignor to Doherty Research Company, New York, N. Y. High temperature electric heating furnaces. 1,803,282; Apr. 28.
Morgan, John D., Maplewood, N. J., assignor to Doherty Research Company, New York, N. Y. Silicate refractory and forming same. 1,807,543; May 26.
Morgan John D., Maplewood, N. J., assignor to Doherty Research Company, New York, N. Y. Refractory. 1,809,249; June 9.
Morgan, John D., Maplewood, N. J., W. G. Bjorkstedt, Jamaica, and R. E. Lowe, New York, assignors to Doherty Research Company, New York, N. Y. Heat conducting high temperature resistant refractory. 1,811,242; June 23.
Morgan, John J., Columbus, Ohio. Apparatus for forming concrete floors. 1,790,941; Feb. 3.
Morgan, John J., Columbus, Ohio. Apparatus for forming concrete floors. 1,817,757; Aug. 4.
Morgan, John S., Torrance, Calif., assignor to The National Supply Company, of Delaware, New York, N. Y. Rotary machine locking device. 1,819,193; Aug. 18.
Morgan, John S., Torrance, Calif., assignor, by mesne assignments, to The National Supply Company, Toledo, Ohio. Swivel wash pipe construction. 1,830,440; Nov. 3.
Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Worm drive axle. 1,811,058; June 23.
Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Self-lubricating gear seat. 1,811,059; June 23.
Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Adjusting brakes and other devices. 1,827,948; Oct. 20.
Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle brake. 1,828,061; Oct. 20.
Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Change speed driving axle. 1,837,883; Dec. 22.
Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Brake. 1,838,188; Dec. 29.
Morgan, Milas F., Tulsa, Okla. Guitar tone bar. 1,834,252; Dec. 1.
Morgan, Milton I., and B. C. Tate, Bristol, Tenn. Churn attachment for washing machines. 1,805,952; May 19.
Morgan, Olive E., executrix. (See Morgan, Edmund C., assignor.)
Morgan, Olive E., executrix. (See Morgan, Edmund C.)
Morgan, P. E., et al. (See Childress, Donal, assignor.)
Morgan, Phillip, Stockton, Calif. Gas mixing device. 1,814,949; July 14.
Morgan, Porter S., Darien, Conn. Clutch mechanism. 1,818,421; Aug. 11.
Morgan, Porter S., assignor to Morgan, Blodgett, Morgan, Inc., New York, N. Y. Shock absorber. 1,813,069; July 7.
Morgan, Purley V., Buffalo, N. Y. Device for removing tire shoes from drop-center rims. 1,791,681; Feb. 10.
Morgan, Purley V., Buffalo, assignor, by mesne assignments to Pneumatic Appliances, Inc., Kenmore, N. Y. Tire changer. 1,809,388; June 9.
Morgan, Saxton J., Albany, Wis. Swinging-door operators. 1,795,667; Mar. 10.
Morgan, Theodore H., Palo Alto, Calif. Inductive reactive power compounding. 1,828,062; Oct. 20.
Morgan, Thornton F., Worthington, W. Va. Equalizer for ladders. 1,832,648; Nov. 17.
Morgan, William C., assignor to J. M. Langton, jr., Los Angeles, Calif. Collapsible camp table. 1,792,698; Feb. 17.
Morgan, William H., sr., deceased, by A. S. Morgan, executrix, Alliance, Ohio; said W. H. Morgan, sr., assignor, by mesne assignments, to Morgan Hurrycane Company, New York, N. Y. Apparatus for and method of extracting juice from cane stalks. Re18,022; Mar. 31.
Morgan, William H., Alliance, Ohio, assignor, by mesne assignments, to The Morgan Hurrycane Company, New York, N. Y. Shearing or disintegrating sugar cane. 1,804,267; May 5.
Morgan, William H., Alliance, Ohio, assignor, by mesne assignments, to The Morgan Hurrycane Company, New York, N. Y. Apparatus for disintegrating cane stalks preparator to the extraction of the juice from same. 1,804,797; May 12.
Morgan, William H., Alliance, Ohio, assignor, by mesne assignments, to The Morgan Hurrycane Company, New York, N. Y. Apparatus for disintegrating sugar cane. 1,813,070; July 7.
Morgan, William H., Alliance, Ohio, assignor, by mesne assignments, to The Morgan Hurrycane Company, New York, N. Y. Cane stalk disintegrator. 1,814,177; July 14.
Morgan, William T., Neodesha, Kans. Measuring and mixing machine. 1,814,483; July 14.
Morgan, William T., Neodesha, Kans. Sanitary bead opening. 1,826,255; Oct. 6.
Morgan & Wright. (See Abbott, Adrian O., jr., assignor.)
Morgan & Wright. (See Christopherson, William G., assignor.)
Morgan & Wright. (See Dolding, Chester J., assignor.)
Morgan and Wright. (See Dreher, Myron A., assignor.)
Morgan & Wright. (See Eger, Ernst, assignor.)
Morgan & Wright. (See Ewart, Elliott S., assignor.)
Morgan & Wright. (See Faucher, J. A., and Halliburton, assignors.)
Morgan & Wright. (See Fisher, George F., assignor.)
Morgan & Wright. (See Gibbons, Willis A., assignor.)
Morgan & Wright. (See Hopkinson, Ernest, assignor.)
Morgan & Wright. (See Hopkinson, E., and Gibbons, assignors.)
Morgan and Wright. (See Keen, Alexis W., assignor.)
Morgan & Wright. (See McRoberts, Donal C., assignor.)
Morgan & Wright. (See Nesmith, Ralph H., assignor.)
Morgan & Wright. (See Pipes, Walter L., assignor.)
Morgan and Wright. (See Sloman, Cheri M., assignor.)
Morgan & Wright. (See Smith, Clyde J., assignor.)
Morgan & Wright. (See Smith, C. J., McNeill, and Dolding, assignors.)
Morgan & Wright. (See Ternes, Raymond F., assignor.)
Morgan & Wright. (See Thacher, Sheldon P., assignor.)
Morganstern, Joseph. (See Madden, J. J., and Morganstern.)

Morgenstern, Donald V., Metuchen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Repeater for signaling circuits. 1,836,000; Dec. 8.
Morgenstern, Joseph, Cleveland, Ohio. Switch box. 1,814,449; July 14.
Morgenstern, Ronald V., Metuchen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Superposed telegraph system and bridge duplex set for use with such systems. 1,788,316; Jan. 6.
Morgenstern, Ronald V., Metuchen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Metallic battery supply from grounded sources. 1,797,667; Mar. 24.
Morgenstern, Ronald V., Irvington, assignor to The Western Union Telegraph Company, New York, N. Y. Vacuum tube repeater and terminal set for superposed telegraph systems. 1,811,824; June 23.
Morgenstern, Ronald V., Irvington, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y. Combining alternating current channels with superposed telegraph circuits. 1,817,702; Aug. 4.
Morgenstern, Ronald V., Metuchen, and P. E. Teter, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Superposed telegraph system. 1,809,722; June 9.
Morgenstern, Ronald V., Irvington, N. Y., and G. L. Erickson Hasbrouck Heights, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Shaping arrangement for metallic telegraph circuits. 1,832,722; Nov. 17.
Mori, Albert. (See Ruse, John C., assignor.)
Morici, Nazarene G., Chicago, Ill. Power transmission apparatus. 1,831,633; Nov. 10.
Morier, Henry, Waterbury, Conn., and H. Comtois, New Rochelle, N. Y. Safety transmission brake. 1,788,317; Jan. 6.
Morimoto, Hikosaburo. Momoyama-Cho, Fushimi-Ku, Kyoto City, Japan. Culturing mushrooms. 1,833,089; Nov. 24.
Morimura Bros. Inc. (See Tomita, Urasaburo, assignor.)
Morin, Arthur J., Auburn, assignor to Rice, Barton & Fales, Inc., Worcester, Mass. Cover for suction boxes of paper making machines. 1,822,363; Sept. 8.
Morin, Emery F., Sioux City, Iowa. Beverage bottle carrying receptacle. 1,813,190; July 7.
Morin, George V. (See Lapierre, George J., assignor.)
Morin, Leon J., Taunton, Mass. Automobile curtain control. 1,823,623; Sept. 15.
Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Fruit-juice extractor or the like. Des. 85,709; Dec. 8.
Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Metal bed. 1,803,862; May 5.
Morin, Louis H., New York, N. Y., assignor, by mesne assignments, to Doehler Vending Machines, Inc. Liquid vender. 1,804,889; May 12.
Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Drawer and supporting means. 1,806,174; May 19.
Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Metal furniture. 1,812,360; June 30.
Morin, Louis H., New York, N. Y., assignor, by mesne assignments, to Doehler Vending Machines, Inc. Floor stand. 1,813,945; July 14.
Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Metal furniture. 1,819,616; Aug. 18.
Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Cabinet. 1,820,476; Aug. 25.
Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Furniture. 1,822,448; Sept. 8.
Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Radio tuning device. 1,828,197; Oct. 20.
Morin, Louis H., New York, N. Y., assignor, by mesne assignments, to United States Envelope Company. Cup vending machine. 1,830,371; Nov. 3.
Morin, Louis H., New York, N. Y., and S. Tour, Englewood, N. J., assignors to Doehler Die-Casting Co. Die casting machine. 1,832,316; Nov. 17.
Morin, Theodore, et al. (See St. Clair, Levi, assignor.)
Morishita, Buichi, Los Angeles, Calif. Nursing bottle holder. 1,826,810; Oct. 13.
Morison, George S., assignor to Morison Incorporated, Pittsburgh, Pa. Transmission mechanism. 1,817,159; Aug. 4.
Morison, George S., assignor to Morison Incorporated, Pittsburgh, Pa. Self tightening bearing. 1,817,160; Aug. 4.
Morison Incorporated. (See Morison, George S., assignor.)
Morisse, Adrien, assignor of one-half to L. Teifel, Rouen, France. Bottom for football shoes. 1,797,668; Mar. 24.
Moritz, Charles J., Effingham, Ill. Road scraper. 1,813,071; July 7.
Moritz, Robert, assignor to S. M. Langston Company, Camden, N. J. Sheet-feeding device. 1,797,692; Mar. 24.
Moriya, Saburo M., Wilmington, Del. Match book. 1,824,404; Sept. 22.
Mork, Sverre A., Washington, D. C. Roadbed equipment and using the same. 1,807,002; May 26.
Morland & Impey Limited. (See Power, Richard P., assignor.)
Morland & Impey Limited. (See Power, Richard P., assignor.)
Morland & Impey Limited. (See Rendall, Arthur G., assignor.)
Morley, George E., Detroit, Mich. Signaling system. 1,800,559; Apr. 14.
Morley, James P., Michigan City, assignor to Bastian-Morley Company, La Porte, Ind. Water heater. 1,805,222; May 12.
Morley, James P., Michigan City, assignor to Bastian-Morley Co., La Porte, Ind. Heating apparatus. 1,822,871; Sept. 8.
Morley, James P., Michigan City, Ind., assignor to Bastian-Morley Company, Laporte, Ind. Water heater. 1,825,326; Sept. 29.
Morley, William H., Manchester, N. H. Figure toy. 1,819,475; Aug. 18.
Morley, Willard T. (See Wilcox, G. R., and Morley.)
Morosini, Louis, et al. (See Arico, Joseph, assignor.)
Morra, Angelo, Brooklyn, N. Y. Measuring device. 1,835,804; Dec. 8.
Morral, Samuel E., Morral, Ohio. Transmission mechanism. 1,820,363; Aug. 25.
Morrall, James L., assignor to Quartermatic Photos Inc., Rochester, N. Y. Photographic apparatus. 1,792,025; Feb. 10.
Morreall, Herbert W., Mount Carmel, Pa. Gauge-glass illuminator. 1,788,776; Jan. 13.
Morrell, Albert H., Clinton, Iowa. Refrigerator cabinet. 1,789,532; Jan. 20.
Morrell, Albert H., Clinton, Iowa. Refrigerator construction. 1,789,533; Jan. 20.
Morrell, Charles W., South Pasadena, Calif. Fruit caliper. 1,814,401; July 14.
Morrell, Jacque C. (See Egloff, G., and Morrell.)
Morrell, Jacque C., Oak Park, Ill. Improving fuel and air mixtures for internal combustion engines. 1,818,240; Aug. 11.
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Refining and purification of hydrocarbon oils. 1,799,431; Apr. 7.
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Desulphurization and purification of hydrocarbon oil. 1,827,537; Oct. 13.
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Dehydration of emulsified oil. 1,827,714; Oct. 13.
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Refining of petroleum oils. 1,839,114; Dec. 29.
Morrell, Jacque C., and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Converting hydrocarbon oils. 1,811,642; June 23.
Morrell, Jacque C., and W. F. Faragher, assignors to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,810,673; June 16.
Morrell, Jacque C., and W. F. Faragher, assignors to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,827,899; Oct. 20.
Morrell, John, & Company. (See Swanson, Charles W., assignor.)
Morrill, Alfred R., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,789,534; Jan. 20.
Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 1,834,471; Dec. 1.
Morrill, Byron F. (See Hambleton, M. W., and Morrill.)
Morrill, Byron F., T. Cookson, and S. Sloane, Lebanon, N. H. Bit. 1,807,126; May 26.
Morrill, Elliott. (See Kritchevsky, W., and Morrill.)
Morrill, Herbert B., assignor to Atwood & Morrill Co., Salem, Mass. Safety relief valve. 1,804,060; May 5.
Morrill, Lewis H., Fort Wayne, Ind., assignor to International Harvester Company. Internal-combustion engine. 1,793,713; Feb. 24.
Morrill, Lewis H., Fort Wayne, Ind., assignor to International Harvester Company. Internal combustion engine. 1,838,436; Dec. 29.
Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. Dynamo electric machine. 1,834,860; Dec. 1.
Morrill, Weston, Pittsfield, Mass., assignor to General Electric Company. Aluminum alloy. 1,829,668; Oct. 27.
Morrion, Rolla O., Chicago Heights, Ill. Boiler flue rolling apparatus. 1,819,915; Aug. 18.
Morris, Albert W., Drexel Hill, and S. P. Wetherill, jr., Haverford, assignors to Wetherill-Morris Engineering Company, Philadelphia, Pa. Casting metals. 1,815,360; July 21.
Morris, Albert W., Drexel Hill, and S. P. Wetherill, jr., Haverford, assignors to Wetherill-Morris Engineering Company, Philadelphia, Pa. Apparatus for casting metal. 1,815,361; July 21.
Morris, Albert W., Drexel Hill, and S. P. Wetherill, jr., Haverford, assignors to Wetherill-Morris Engineering Company, Philadelphia, Pa. Control mechanism. 1,816,491; July 28.
Morris, Austin, Greenwood, Ind. Plant-setting machine. 1,805,839; May 19.
Morris, B. Frederick C., El Reno, Okla. Chick feeder. 1,810,782; June 16.
Morris, Benjamin F. C., Oklahoma City, Okla. Calibrated ventilator adjustment for incubators. 1,811,589; June 23.

Morris & Boogher, Inc. (See Durham, Kenneth P., assignor.)
Morris & Boogher, Inc. (See Tuck, Clarence M., assignor.)
Morris, Cedric A., Detroit, Mich. Copy-estimator's scale. 1,796,955; Mar. 17.
Morris, Charles, Hornell, N. Y. Broom band. 1,837,984; Dec. 22.
Morris, Clayton M., Los Angeles, Calif. Ironing board construction. 1,810,722; June 16.
Morris, Daniel, St. Petersburg, Fla., assignor of one-half to A. A. Noonan, New York, N. Y. Aeroplane. 1,802,825; Apr. 28.
Morris, Earl H., Paducah, Ky. Plummet. 1,814,484; July 14.
Morris, Earl H., Brookport, Ill. Plummet. 1,816,786; July 28.
Morris, Edward A., Sacramento, Calif. Certificate holder. 1,808,246; June 2.
Morris, Edward M., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Polishing and grinding machine. 1,700,743; Apr. 14.
Morris, Edward T. (See Quick, C. C., and Morris.)
Morris, Edward T., Catford, London, England, assignor to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing machines. 1,791,508; Feb. 10.
Morris, Edward T., London, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Printing and stitching machine. 1,808,504; June 2.
Morris, Edward T., and T. J. Mills, London, England, assignors, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Printing machine kicker mechanism. 1,809,389; June 9.
Morris, Edwin M., Galveston, Tex., assignor to Triple "XXX" Company. Front panel for a thirst station. Des. 84,296; June 2.
Morris, Elmer C., Chicago, Ill. Folded paper napkin. 1,819,753; Aug. 18.
Morris, Ernest F. (See Stockwell, S. E., Murdock, Winzig, and Morris.)
Morris, Fred C., San Francisco, Calif. Composition bushing and making the same. 1,808,247; June 2.
Morris, Fred C., San Francisco, Calif. Steering column bushing. 1,829,530; Oct. 27.
Morris, George B., assignor to Bradford Motor Works, Bradford, Pa. Plunger fitting for deep well pumps. 1,838,149; Dec. 29.
Morris, George D., assignor to New Castle Refractories Company, New Castle, Pa. Kiln car construction. 1,824,917; Sept. 29.
Morris, George J., Los Angeles, Calif. Wall fixture attaching means. 1,824,492; Sept. 22.
Morris, Howard A. (See Aldrich, J. P., and Morris.)
Morris, Harold H., Newark, N. J., assignor, by mesne assignments, to Krebs Pigment & Color Corporation, Wilmington, Del. Lithopone manufacture. 1,822,933; Sept. 15.
Morris, Howard A. (See Aldrich, J. P., and Morris.)
Morris, Howard A., assignor to The Automat Molding & Folding Company, Toledo, Ohio. Transmission. 1,791,141; Feb. 3.
Morris, Howard I., Lakewood, assignor to The Yoder Pencil Company, Cleveland, Ohio. Writing device. 1,813,251; July 7.
Morris, Howard I., Lakewood, assignor to The Yoder-Morris Company, Cleveland, Ohio. Power mechanism. 1,817,638; Aug. 4.
Morris, Howard I., Lakewood, assignor to The Yoder-Morris Company, Cleveland, Ohio. Operating mechanism. 1,824,679; Sept. 22.
Morris, Howard I., Lakewood, assignor to The Yoder-Morris Company, Cleveland, Ohio. Hingeing means. 1,833,328; Nov. 24.
Morris, Hubert C., Albany, Oreg. Automatic shaper feeding device. 1,836,036; Dec. 15.
Morris, I. P., Corporation. (See Rogers, Frank H., assignor.)
Morris, I. P., & De La Vergne, Incorporated. (See Kruse, O. V., and Larner, assignors.)
Morris, I. P., & De La Vergne, Incorporated. (See Larner, Chester W., assignor.)
Morris, Ira A., Liberty, Tex. Trailer. 1,816,393; July 28.
Morris, Le Roy C., Waterloo, Iowa. Reversible current heating apparatus. 1,819,333; Aug. 18.
Morris, Lewis, Washington, D. C. Book holder. 1,801,523; Apr. 21.
Morris Motors (1926) Limited. (See Seddon, W., and Cordey, assignors.)
Morris Paper Mills. (See Powell, Henry K., assignor.)
Morris Paper Mills. (See Walker, Paul, assignor.)
Morris, Paul L., Pottstown, Pa. Peanut-picking machine. 1,791,454; Feb. 3.
Morris, Russell G., et al. (See Schwaerzer, Max. assignor.)
Morris, Thomas L. (See Symons, Loren G., assignor.)
Morris, Tom, Garrison, W. Va., assignor of one-third to W. Flood and one-third to J. Mason. Car coupler. 1,829,835; Nov. 3.
Morris, Warren A., Wyoming, assignor to The Richardson Company, Lockland, Ohio. Carton and pouring spout therefor. 1,816,985; Aug. 4.
Morris, Wilfred, Mingo, Iowa. Greasing device for animals. 1,837,571; Dec. 22.
Morris, William C. (See Graham, B. S., and Morris.)
Morris, William H., Philadelphia, Pa., assignor to Ambler Asbestos Company. Coloring plastic material. 1,807,858; June 2.
Morris, William L., Wilmette, Ill., assignor to Bendix Aviation Corporation, New York, N. Y. Grease feeder. Re18,123; July 7.
Morris, William L., Wilmette, Ill., assignor to Bendix Aviation Corporation, New York, N. Y. Grease feeder. Re18,278; Dec. 8.
Morris, William L., assignor to Bendix Aviation Corporation, Chicago, Ill. Grease feeder. 1,816,022; July 28.
Morris, William S., Harrisburg, Pa. Culinary implement. 1,800,653; Apr. 14.
Morrison, Alan R., Spokane, Wash. Amalgamator machine and method. 1,830,125; Nov. 3.
Morrison, Albert R., Windsor, Conn. Reel swift brace. 1,803,201; Apr. 28.
Morrison, Archie T., South Braintree, assignor to S. H. Couch Company, Inc., Quincy, Mass. Front plate for flush telephones. Des. 84,999; Sept. 1.
Morrison, Archie T., South Braintree, assignor to S. H. Couch Company, Inc., Quincy, Mass. Combined front plate and mouthpiece for suite telephones. Des. 85,000; Sept. 1.
Morrison, Archie T., South Braintree, assignor to S. H. Couch Company, Inc., Quincy, Mass. Transmitter mouthpiece for concealed speaker cordless telephones. Des. 85,001; Sept. 1.
Morrison, Archie T., South Braintree, and S. H. Couch, Milton, Mass. Indicator holder. 1,791,682; Feb. 10.
Morrison, Bartholomew J., assignor to The Coale Muffle & Safety Company, Baltimore, Md. Blower valve. 1,794,791; Mar. 3.
Morrison, Bortle C. (See Nesbitt, C. A., and Morrison.)
Morrison, Charles N., et al. (See Nelson, Elving O., assignor.)
Morrison, Forbes M. (See Schaaf, C., Morrison, Henkel, and Williams.)
Morrison, Frank A., et al, trustees. (See Colby, Harold L., assignor.)
Morrison, George, Poughkeepsie, N. Y. Vending machine. 1,806,814; May 26.
Morrison, George, Denver, Colo., assignor to Swift and Company, Chicago, Ill. Machine for removing skins from pork bellies. 1,790,592; Jan. 27.
Morrison, George, Poughkeepsie, N. Y. Machine for vending articles. 1,827,900; Oct. 20.
Morrison, Hackley. (See Ellison, Frank H., assignor.)
Morrison, Hackley. (See Grimes, Harry M., assignor.)
Morrison, James, Cincinnati, assignor to The Highland Body Manufacturing Company, Elmwood, Ohio. Windshield. 1,808,058; June 2.
Morrison, Joe W., Highland Park, assignor to General Motors Corporation, Detroit, Mich. Self-washing oil filter. 1,798,950; Mar. 31.
Morrison, Louis, New York, N. Y. Combined desk stand and penholder or similar article. Des. 82,465; Feb. 24
Morrison, Louis, New York, N. Y. Lever for fountain pens. Des. 83,908; Apr. 14.
Morrison, Luther E., New York, N. Y. Tire valve and gauge. 1,803,270; Apr. 28.
Morrison, Montford, New York, N. Y., assignor to Westinghouse Electric and Manufacturing Company. X-ray tube. 1,787,699; Jan. 6.
Morrison, Montford, New York, N. Y., assignor, by mesne assignments, to Westinghouse Lamp Company. X-ray tube. 1,808,430; June 2.
Morrison, Montford, Chicago, Ill., assignor, by mesne assignments, to Westinghouse Lamp Company. Mercury vapor lamp. 1,807,927; June 2.
Morrison, Montford, Chicago, Ill., assignor, by mesne assignments, to Westinghouse Lamp Company. Mercury vapor lamp. 1,813,580; July 7.
Morrison, Paul D., et al. (See Tallmadge, Andrew P., assignor.)
Morrison, Robert E., Halls, Tenn. Condenser. 1,839,046; Dec. 29.
Morrison, Simon, New York, N. Y. Vanity box. 1,836,722; Dec. 15.
Morrison, Willard L. (See Johnson, G. I., and Morrison.)
Morriss, Benham, et al. (See Pettit, James C., assignor.)
Morriss, Edward T., Letchworth, England. Perambulator and the like. 1,815,952; July 28.
Morriss, Edward T., Letchworth, England. Perambulator and the like. 1,823,115; Sept. 15.
Morrissey, Martin A., Roslindale, and A. F. Moore, Brighton, Mass. Preparing concrete. 1,832,875; Nov. 24.
Morrow, Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Gas-valve structure. 1,788,547; Jan. 13.
Morrow, Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Burner. 1,791,509; Feb. 10.
Morrow, Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Safety valve for gas burners. 1,791,530; Feb. 10.
Morrow, Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Indirect water heater. 1,791,531; Feb. 10.
Morrow Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Adjustable collar. 1,809,059; June 9.
Morrow, Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Hot water heater. 1,809,143; June 9.

Morrow, Clarence H., assignor to The Hostream Heater Company, Cleveland, Ohio. Coupling means for heaters. 1,815,273; July 21.
Morrow, Clifford, assignor to The H. H. Miller Industries Company, Canton, Ohio. Cooler or heater. 1,790,015; Jan. 27.
Morrow, Clifford C., assignor to The H. H. Miller Industries Company, Canton, Ohio. Capping mechanism. 1,804,637; May 12.
Morrow, Harvey E., New London, Iowa. Window shade trimmer. 1,808,859; June 9.
Morrow, Howard B., La Porte, Ind. Oil-feed cup. 1,800,897; Apr. 14.
Morrow, J. H. (See Sippel, W. H., and Farnsworth, assignors.)
Morrow, John E., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Precipitation of aluminum fluoride. 1,797,994; Mar. 24.
Morrow, Joseph H., Catasauqua, Pa., assignor to Fuller Company. Portable pump. 1,804,565; May 12.
Morrow, Joseph H., assignor to Fuller Company, Catasauqua, Pa. Mixing and blending system. 1,812,604; June 30.
Morsbach, Kurt, Berlin-Lichterfelde, assignor, by mesne assignments, to Projector G. m. b. H., Berlin, Germany. Film stopping device. 1,803,271; Apr. 28.
Morsbach, Kurt, Berlin-Lichterfelde, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Photographic camera. 1,823,462; Sept. 15.
Morse, Arthur H., assignor to The Baldwin Company, Cincinnati, Ohio. Folding key bed for pianos. 1,827,096; Oct. 13.
Morse, Arthur H., assignor to The Baldwin Company, Cincinnati, Ohio. Music rest for pianos. 1,838,630; Dec. 29.
Morse Chain Company. (See Hawley, Frank M., assignor.)
Morse Chain Company. (See Morse, Frank L., assignor.)
Morse Chain Company. (See Thompson, Fred C., assignor.)
Morse, Clyde S. (See Carlson, H. E., and Morse.)
Morse, Clyde S., De Kalb, Ill. Drink-mixer standard. Des. 83,340; Feb. 17.
Morse, Delbert F. (See Mayo, G. W., and Morse.)
Morse, Eric D. (See Norris, C. C., and Morse.)
Morse, Frank L., Ithaca, N. Y. Door-operating mechanism. 1,788,491; Jan. 13.
Morse, Frank L., Ithaca, N. Y. Automatic garage door. 1,796,660; Mar. 17.
Morse, Frank L., Ithaca, N. Y. Chain manufacture. 1,828,506; Oct. 20.
Morse, Frank L., Ithaca, N. Y. Sound analyzing device. 1,830,237; Nov. 3.
Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Drive chain. 1,811,207; June 23.
Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Chain drive. 1,823,696; Sept. 15.
Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Power transmission chain. 1,825,675; Oct. 6.
Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Power transmission chain. 1,830,206; Nov. 3.
Morse, Frank L. and R. V., Ithaca, N. Y. Automatic control for garage doors. 1,801,445; Apr. 21.
Morse, Frank W., San Fernando, Calif. Tide and wave motor. 1,790,058; Jan. 27.
Morse, George H., Harrisburg, Pa. Calculating machine. 1,802,440; Apr. 28.
Morse, George H., Harrisburg, Pa. Television apparatus. 1,802,441; Apr. 28.
Morse, George H., Harrisburg, Pa. Television receiving device. 1,831,924; Nov. 17.
Morse, Harold F., Southport, Conn., assignor to General Electric Company. Hanger. 1,834,795; Dec. 1.
Morse, Harry W., Redwood City, Calif. Production of sodium-carbonate liquor. 1,791,281; Feb. 3.
Morse, Harry W., Redwood City, Calif. Manufacture of burkeite. 1,824,360; Sept. 22.
Morse, Harry W., Redwood City, Calif. Manufacture of sulphate of potash. 1,824,361; Sept. 22.
Morse, Irving J., Berkeley Calif. Cable and strand clamp. 1,834,495; Dec. 1.
Morse, Lawrence H., Cleveland, Ohio, assignor, by mesne assignments, to American Multigraph Co., Wilmington, Del. Ribbon holding and feeding device for printing machines. 1,807,322; May 26.
Morse, Louis S., assignor to York Ice Machinery Corporation, York, Pa. Ice can. 1,817,263; Aug. 4.
Morse, Normand W., assignor to Alemite Corporation, Chicago, Ill. Pneumatic lubricant compressor. 1,837,572; Dec. 22.
Morse, Robert B., Hyattsville, and H. R. Devilbiss, Riverdale, Md. Pipe connection. 1,810,434; June 16.
Morse, Robert V. (See Morse, Frank L. and R. V.)
Morse, Samuel, New York, N. Y. Speed reducing mechanism for training cycles. 1,825,083; Sept. 29.
Morse, Stanley E., Denver, Colo., assignor, by mesne assignments, to Union Carbide and Carbon Research Laboratories, Inc., New York, N. Y. Device for producing flame representation. 1,799,432; Apr. 7.
Morse, Sterne, Cleveland Heights, Ohio. Resistor block and making. 1,821,022; Sept. 1.
Morse, William J., Attleboro, Mass. Buckle. Des. 85,761; Dec. 15.
Morse, William J., Attleboro, Mass. Belt buckle. 1,836,678; Dec. 15.
Morss, Edward L., Needham, A. W. Buckwell, Quincy, and C. G. Smith, Watertown, assignors to Ginn and Company, Boston, Mass. Machine for preparing typewritten copy. 1,829,233; Oct. 27.
Morssen, Charles M., Montreal, Quebec, Canada. Anti-theft device. 1,808,248; June 2.
Mortensen, Cornelius, Louisville, Ky. Dairy apparatus. 1,793,631; Feb. 24.
Mortensen, Niels L. (See Stansbury, C., and Mortensen.)
Mortensen, Niels L., Whitefish Bay, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Controller for electric motors. 1,790,942; Feb. 3.
Mortensen, Niels L., Milwaukee, and E. W. Seeger, Wauwatosa, Wis., assignors, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Controller for electric motors. 1,825,009; Sept. 29.
Mortenson, Gustav M., Kane, Pa. Clamp. 1,808,059; June 2.
Mortenson, Oscar W., and G. E. Thelin, Chicago, Ill. Illuminated shiftable word sign. 1,836,983; Dec. 15.
Morter, Earl W., Washington Courthouse, Ohio. Ear trimming device. 1,815,984; July 28.
Morterud, Einar, Torderod near Moss, Norway. Pulp digester with interior circulation. 1,802,266; Apr. 21.
Morterud, Einar, Torderod, near Moss, Norway. Directly heated pulp digester. 1,807,544; May 26.
Morterud, Einar, Torderod, near Moss, Norway. Top screen for wood pulp digesters or the like. 1,810,845; June 16.
Morterud, Einar, Torderod, near Mose, Norway. Treatment of wood pulp by percolation. 1,819,963; Aug. 18.
Morterud, Einar, Torderod, near Moss, Norway. Arrangement for the circulation of digesting liquor in wood pulp digestors. 1,831,748; Nov. 10.
Morterud, Einar, Torderod, near Moss, Norway. Bottom sieve for wood pulp digesters. 1,833,848; Nov. 24.
Morterud, Einar, Torderod, near Moss, Norway. Removing liquor from wood pulp digesters. 1,836,862; Dec. 15.
Morterud, Einar, Torderod, near Moss, Norway. Pulp digester with forced circulation. 1,837,985; Dec. 22.
Mortimer, Winfield F., assignor to Wisconsin Heating Company, Milwaukee, Wis. Draft regulator. 1,830,036; Nov. 3.
Morton, Albert A., Oregon City, Oreg. Device for maintaining supporting structures in a state of equilibrium at varying distances from the supporting centers. 1,833,432; Nov. 24.
Morton, Alberta I., New York, N. Y. Fruit washer. 1,826,015; Oct. 6.
Morton, Allen W., assignor to American Hammered Piston Ring Company, Baltimore, Md. Piston ring. Re18,248; Nov. 10.
Morton, André, Paris, France. Pneumatic clutch for starters. 1,795,403; Mar. 10.
Morton, André A., assignor to Societe d'Installation de Lumiere et de Force Electriques, Paris, France. Device for injecting fuel into internal combustion engines. 1,828,676; Oct. 20.
Morton, Arnold H. (See Burch, J. F., and Morton.)
Morton, Avery A. (See Wolfard, M. R., Morton, and Hussey.)
Morton, Brayton, Fall River, and G. P. Welch, Cambridge, Mass. Gas turbine. 1,828,782; Oct. 27.
Morton, Benjamin A., New York, N. Y. Vault construction. 1,790,508; Jan. 27.
Morton, Benjamin A., New York, N. Y. Illuminating device. 1,793,818; Feb. 24.
Morton, Cecil J. (See Griffiths, L., and Morton.)
Morton, Charles D., River Forest, Ill. Card-frame mounting. 1,792,652; Feb. 17.
Morton, Duncan A. (See Peterson, W. E., and Morton.)
Morton, Edmund R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator system. 1,788,733; Jan. 13.
Morton, Edmund R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator system. 1,788,734; Jan. 13.
Morton, Edmund R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator system. 1,804,178; May 5.
Morton, Edmund R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator system. 1,811,860; June 30.
Morton, Harold A., Akron, Ohio. Mineral oil and anti-oxidant agent and process. 1,805,953; May 19.
Morton, Harold A., Akron, Ohio. Soap and soap product and stabilizing agent and process. 1,805,954; May 19.
Morton, Harold A., Akron, Ohio. Manufacture of aromatic derivatives of 1-2 diamino ethane. 1,836,486; Dec. 15.
Morton, Harry D., assignor to Automatic Arc Welding Company, Detroit, Mich. Metallic electrode arc welding. 1,826,186; Oct. 6.
Morton, Henry E., Muskegon Heights, Mich. Milling machine. 1,811,363; June 23.
Morton, Herbert A. (See MacKenzie, George F., assignor.)
Morton, James. (See Morton, John W. and J.)
Morton, James, West Lothian, Scotland. Manufacture of chenille and other fabrics. 1,804,106; May 5.
Morton, James, Cramond Bridge, West Lothian, Scotland. Manufacture of fabrics. 1,811,325; June 23.
Morton, James, Cramond Bridge, West Lothian, Scotland. Jacquard mechanism. 1,828,336; Oct. 20.

Morton, James, deceased; W. Morton, executor, assignor to R. H. Morton, Wishaw, Scotland, and himself. Device for measuring and depositing measured quantities of liquid, plastic, granular, and other similar substances. 1,811,957; June 30.

Morton, James, Edinburgh, Scotland, and J. I. M. Jones, Lancaster, assignors to Morton Sundour Fabrics, Limited, Carlisle, England. Dyeing and printing. 1,838,567; Dec. 29.

Morton, James, J. I. M. Jones, and B. Wylam, Lancaster, and J. E. G. Harris, Carlisle, England, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Direct-dyeing water-soluble stable derivatives of vat dyestuffs and making same. 1,790,759; Feb. 3.

Morton, James M., Jr., Fall River, Mass. Device for railroad ties and fasteners for rails. 1,821,720; Sept. 1.

Morton, John W., London, England, and J. Morton, deceased, Wishaw; W. Morton executor, assignors to W. Morton and R. H. Morton, Wishaw, Lanarkshire, Scotland. Method and apparatus for whisking liquid or semiliquid substances. 1,801,101; Apr. 14.

Morton, Julian W., Linville, N. C. Golf club. 1,835,718; Dec. 8.

Morton Manufacturing Company. (See Anderson, Arvid, assignor.)

Morton, Mortimer, Los Angeles, Calif. Toy windmill. 1,816,229; July 28.

Morton, Robert, Victoria, British Columbia, Canada, assignor to Rennie-Morton Manufacturing Company Limited. Pan-greasing machine. 1,792,699; Feb. 17.

Morton, Robert H. (See Morton, James, assignor.)

Morton, Robert H., et al. (See Morton, John W. and J., assignors.)

Morton, Sterling, and H. L. Krum, assignors, by mesne assignments, to Teletype Corporation, Chicago, Ill. Printing-telegraph receiver. 1,791,740; Feb. 10.

Morton, Sterling, and H. L. Krum, assignors to Teletype Corporation, Chicago, Ill. Selective system and apparatus. 1,821,109; Sept. 1.

Morton, Sterling, Chicago, H. L. Krum, Kenilworth, and E. E. Kleinschmidt, Park Ridge, assignors to Teletype Corporation, Chicago, Ill. Selecting and printing mechanism. 1,821,110; Sept. 1.

Morton Sundour Fabrics, Limited. (See Morton, J., and Jones, assignors.)

Morton, Thomas, Moseley, Birmingham, England. Cuff link and other dress fastening. 1,833,583; Nov. 24.

Morton, W. Brown. (See Arendt, Morton, assignor.)

Morton, William, et al. (See Morton, John W. and J., assignors.)

Morton, William, executor. (See Morton, James.)

Morton, William, executor. (See Morton, John W. and J.)

Morton, William A., Pittsburgh, Pa. Glass melting apparatus. 1,812,975; July 7.

Morton, William A., assignor to Amsler-Morton Company, Pittsburgh, Pa. Glass leer. Re18,004; Mar. 17.

Morton, William A., Pittsburgh, and P. L. Geer, Bellevue, assignors to Amco, Incorporated, Pittsburgh, Pa. Heat treatment chamber. 1,828,904; Oct. 27.

Morton, William A., Pittsburgh, and C. A. Nielsen, Bellevue, assignors to The Amsler Morton Company, Pittsburgh, Pa. Transferring mechanism. 1,833,951; Dec. 1.

Morton, William J. San Francisco, Calif., assignor to The McBee Binder Company, Athens, Ohio. Binder for loose leaf books. 1,805,314; May 12.

Morue, George C., Cromwell, Okla. Sucker-rod coupling. 1,787,831; Jan. 6.

Moscato, Francis, Brooklyn, N. Y. Safety device. 1,814,950; July 14.

Moschel, Wilhelm. (See Suchy, R., Staib, and Moschel.)

Moschetto, Frank. (See Moschetto, Joseph, assignor.)

Moschetto, Joseph, assignor to F. Moschetto, Paterson, N. J. Rotary cleaner. 1,821,394; Sept. 1.

Mosel, Joseph H., Lakewood, and C. I. Bohner, Bay Village, assignors, by mesne assignments, to The Jaeger Machine Company, Columbus, Ohio. Machine for spreading and surfacing construction material. 1,817,161; Aug. 4.

Moseley, Alexander W., Evanston, assignor to Sloan Valve Company, Chicago, Ill. Flush valve device. 1,830,955; Nov. 10.

Moseley, Madge S., Memphis, Tenn. Book holding attachment for typewriters. 1,830,478; Nov. 3.

Moser, Bryon W., St. Louis, Mo. Ornament for desks. 1,818,737; Aug. 11.

Moser, Felix, Holland, Mich. Damper action for grand pianos. 1,791,632; Feb. 10.

Moser, Franz R. (See Al, J., and Moser.)

Moser, Franz R., Bussum, assignor to N. V. De Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Separating emulsions. 1,788,684; Jan. 13.

Moser, Hugo J., Salt Lake City, Utah. Counter. 1,793,506; Feb. 24.

Moser, Jesse R. (See de Coriolis, E. G., Moser, and Larsen.)

Moser, Jesse R., assignor to The Surface Combustion Co., Incorporated, Toledo, Ohio. Conveying apparatus. 1,788,685; Jan. 13.

Moser, Ludwig. (See von Forster, H., and Moser.)

Moser, Stuart, Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. System for extinguishing fire in oil tanks. 1,787,792; Jan. 6.

Moser, Wilhelm. (See Böhm, O., and Moser.)

Moser, Wilhelm, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Centrifugal switch. 1,802,731; Apr. 28.

Moser, Wilhelm, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Vibrating converter. 1,819,617; Aug. 18.

Moses, Charles F., Sheboygan, Wis. Gang saw apparatus. 1,838,437; Dec. 29.

Moses, Douglas V. (See Dressler, R. E., and Moses.)

Moses, Frederick G., New York, R. W. Hess, Buffalo, and R. L. Perkins, East Aurora, assignors to The Barrett Company, New York, N. Y. Separation of minerals by flotation. 1,801,317; Apr. 21.

Moses, Frederick G., New York, R. W. Hess, Buffalo, and R. L. Perkins, East Aurora, assignors to The Barrett Company, New York, N. Y. Concentration of ores. 1,801,318; Apr. 21.

Moses, Frederick G., New York, R. W. Hess, Buffalo, and R. L. Perkins, East Aurora, assignors to The Barrett Company, New York, N. Y. Flotation of minerals. 1,801,319; Apr. 21.

Moses, Frederick G., New York, R. W. Hess, Buffalo, and R. L. Perkins, East Aurora, assignors to The Barrett Company, New York, N. Y. Concentration of ores. 1,801,320; Apr. 21.

Moses, Frederick G., New York, R. W. Hess, Buffalo, and R. L. Perkins, East Aurora, assignors to The Barrett Company, New York, N. Y. Concentration of ores by flotation. 1,806,362; May 19.

Moses, Frederick G., New York, R. W. Hess, Buffalo, and R. L. Perkins, East Aurora, assignors to The Barrett Company, New York, N. Y. Concentration of ores. 1,807,859; June 2.

Moses, Frederick G., New York, R. W. Hess, Buffalo, and R. L. Perkins, East Aurora, assignors to The Barrett Company, New York, N. Y. Separation of minerals. 1,807,860; June 2.

Moses, Kirke L., Brookline, Mass. Paper like product and making the same. 1,819,435; Aug. 18.

Moses, Wade, Cleveland, Ohio. Combined hammer, tamp, and pick. 1,812,753; June 30.

Mosgrove, Charles A., Waterbury, assignor to The Autoyre Company, Oakville, Conn. Slide buckle. 1,820,578; Aug. 25.

Mosher, Charles D., Hyde Park, assignor to B. F. Sturtevant Company, Boston, Mass. Plate air heater. Re17,973; Feb. 17.

Mosher, Fred A., Grand Rapids, assignor to Logan-Long Company, Chicago, Ill. Shingle and making same. 1,805,292; May 12.

Mosher, Harvey G., Detroit, Mich. Automatic signal light. 1,827,481; Oct. 13.

Moskovics, Frederick E., administrator. (See Lockhart, Frank S.)

Moskow, Isadore, Clayton, Mo. Shoe last. 1,817,639; Aug. 4.

Mosleh, Joseph, Brooklyn, N. Y. Magnetic brake for trains. 1,814,841; July 14.

Mosler, Arthur R., assignor to Mosler Ignition Corp., New York, N. Y. Spark plug. 1,799,922; Apr. 7.

Mosler Ignition Corp. (See Mosler, Arthur R., assignor.)

Mosler Lock Company, The. (See Benham, Edgar M., assignor.)

Mosler Safe Company, The. (See Goebel, C. J., and Bartels, assignors.)

Mosler Safe Company, The. (See Robinson, Harry J., assignor.)

Mosley, Abraham K., assignor to B. K. Stoll, Troy, N. Y. Pipe connecter. 1,811,277; June 23.

Mosley, James A. (See Jannings, Stephen P., assignor.)

Moss, Elizabeth, Los Angeles, Calif. Pie making process. 1,814,485; July 14.

Moss, James. (See LeBoeuf, E., Smith, and Moss.)

Moss, Rosco, assignor to Roscoe Moss Company, Los Angeles, Calif. Seam locator for casing perforators. 1,825,243; Sept. 29.

Moss, Roscoe Company. (See Moss, Roscoe, assignor.)

Moss Rose Manufacturing Company. (See Earnshaw, Joseph C., assignor.)

Moss, Sanford A. (See Puffer, S. R., and Moss.)

Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Supercharger for internal combustion engines. 1,816,737; July 28.

Moss, Sanford A., Lynn, Mass., assignor to General Electric Company. Control mechanism for supercharger. 1,816,787; July 28.

Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America. Uniting articles and products thereof. 1,815,444; July 21.

Moss, William H., Cumberland, Md., assignor to Celanese Corporation of America. Laminated glass and making the same. 1,831,462; Nov. 10.

Mossay & Company. (See Mossay, Paul A. H., assignor.)

Mossay, Paul A. H., Ipswich, assignor to Mossay & Company, Limited, London, England. Motor propelled crane. 1,828,905; Oct. 27.

Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Reel. 1,801,054; Apr. 14.

Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Reel. 1,811,517; June 23.

Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Reel. 1,816,651; July 28.

Mossberg, Frank, assignor to Mossberg Press Steel Corporation, Attleboro, Mass. Warp beam. 1,822,414; Sept. 8.

Mossberg, Frank, Attleboro, Mass. Cop holder. 1,828,337; Oct. 20.

Mossberg, O. F., & Sons Inc. (See Mossberg, Oscar F., assignor.)
Mossberg, Oscar F., assignor to O. F. Mossberg & Sons Inc., New Haven, Conn. Firearm. 1,790,482; Jan. 27.
Mossberg Pressed Steel Corporation. (See Mossberg, Frank, assignor.)
Mosshart, Donald J. (See Foresman, R. A., and Mosshart.)
Mosshart, Donald J., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Actuating means for fuel agitators. 1,804,638; May 12.
Mosshart, Donald J., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Stoker. 1,830,850; Nov. 10.
Mossinghoff, Bernard H., St. Louis, Mo., assignor, by mesne assignments, to Progressive Motor Devices Corporation, Chicago, Ill. Transmission control. 1,790,627; Jan. 27.
Mossinghoff, Bernard H., St. Louis, Mo., assignor, by mesne assignments, to Progressive Motor Devices Corporation, Chicago, Ill. Transmission control. 1,790,628; Jan. 27.
Most, Lucifer J., New York, assignor to Mabie Todd & Co., New York County, N. Y. Pen desk set. 1,809,985; June 16.
Most, Lucifer J., New York, assignor to Mabie Todd & Co., New York County, N. Y. Fountain pen cap. 1,822,166; Sept. 8.
Most, Lucifer J., Kearny, N. J., assignor to Mabie Todd & Co., New York County, N. Y. Fountain pen cap. 1,822,167; Sept. 8.
Most, Lucifer J., Kearny, N. J., assignor to Mabie Todd & Co., New York, N. Y. Combination pocket and desk set fountain pen. 1,822,168; Sept. 8.
Most, Lucifer J., and R. W. Wilson, New York, N. Y. Container. 1,824,029; Sept. 22.
Mostertz, Ferdinand W., Philadelphia, Pa. Match striker for match folders. 1,801,170; Apr. 14.
Mot-Acs, Incorporated. (See Rundlett, Carl W., assignor.)
Motch & Merryweather Machinery Company, The. (See Merryweather, George E., assignor.)
Motherwell, Joseph W., Melrose, assignor to The Ashton Valve Company, Cambridge, Mass. Pressure gauge. 1,814,092; July 14.
Motion Picture Improvements, Inc. (See Chouinard, Oscar, assignor.)
Motley, Lewis, Staines, England. Liquid fuel burning apparatus. 1,838,321; Dec. 29.
Moto Meter Gauge & Equipment Corporation. (See Adams, Clarke M., assignor.)
Moto Meter Gauge & Equipment Corporation. (See Bennett, Morris H., assignor.)
Moto Meter Gauge & Equipment Corporation. (See Cheney, Moses E., assignor.)
Moto Meter Gauge & Equipment Corporation. (See Chéron, Pierre J., assignor.)
Moto Meter Gauge & Equipment Corporation. (See Hurley, Roy T., assignor.)
Moto Meter Gauge & Equipment Corporation. (See Marindin, Henri L., assignor.)
Moto Meter Gauge & Equipment Corporation. (See Muzzy, William H., assignor.)
Moto Meter Gauge & Equipment Corporation. (See Schupp, Alfred B., assignor.)
Moto Meter Gauge & Equipment Corporation. (See Sieper, Otto, assignor.)
Moto-Mower Co., The. (See Blydenburgh, Harold L., assignor.)
Motor Car Advertising Device Co. (See Dobrowsky, Emmanuel, assignor.)
Motor Development Company. (See Schaefer, William D., assignor.)
Motorenfabrik Deutz, Aktiengesellschaft. (See Schmidt, Kurt, assignor.)
Motorenfabrik Deutz, Aktiengesellschaft. (See Winterlin, Karl, assignor.)
Motor Improvements, Inc. (See Liddell, Robert P. F., assignor.)
Motor Industries, Inc. (See La Brie, Ludger E., assignor.)
Motor Products Corporation. (See Kellogg, Homer G., assignor.)
Motor Products Corporation. (See Pritchard, William S., assignor.)
Motor Products Corporation, The. (See Thunder, Harold G., assignor.)
Motor Terminals Company. (See Fitch, Benjamin F., assignor.)
Motor Terminals Company. (See French, Henry H., assignor.)
Motor Wheel Corporation. (See Baker, Erle K., assignor.)
Motor Wheel Corporation. (See Nelson, Emil A., assignor.)
Motor Wheel Corporation. (See Piatt, Howard I., assignor.)
Motor Wheel Corporation. (See Valjean, Ben, assignor.)
Motor Wheel Corporation. (See Van Halteren, Andrew S., assignor.)
Motor Wheel Corporation. (See Wilson, Moses W. H., assignor.)
Motsinger, Armand V., Edgewood Arsenal, Edgewood, Md. Nozzle mechanism. 1,818,422; Aug. 11.
Mott, Floyd, Portland, Oreg. Protective casing for pneumatic tires. 1,798,484; Mar. 31.
Mott, Frederick R., Seekonk, Mass. Fuel burning means for cooking vessels. 1,822,106; Sept. 8.
Mott, Garret, Yonkers, assignor to Pinto Valley Co., New York, N. Y. Ore leaching process. 1,825,752; Oct. 6.
Mott, George T., Pearl River, N. Y. Supporting device. 1,801,206; Apr. 14.
Mott, George T., Pearl River, N. Y. Supporting device. 1,801,207; Apr. 14.
Mott, George T., Pearl River, N. Y. Apparatus for heat exchanging. 1,818,082; Aug. 11.
Mott, George T., Pearl River, N. Y. Suspension device. 1,819,754; Aug. 18.
Mott, James H., Minneapolis, Minn. Oat huller. 1,788,686; Jan. 13.
Mott, James H., and C. C. Gray, Minneapolis, Minn. Oat huller. 1,788,687; Jan. 13.
Mott, John E., assignor to Merchants Advertising Company, Adrian, Mich. Clock casing. Des. 83,874; Apr. 7.
Mott, John E., assignor to Merchants Advertising Company, Adrian, Mich. Clock casing. Des. 83,875; Apr. 7.
Mott, Lyndon F., Houston, Tex. Fastener lock. 1,804,839; May 12.
Mottlau, August J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. High speed circuit breaker. 1,813,191; July 7.
Mottweiler, Oliver F., and D. C. Drill, assignors to General Insulating and Manufacturing Company, Alexandria, Ind. Insulating structure. 1,818,345; Aug. 11.
Mottweiler, Oliver F., and D. C. Drill, assignors to General Insulating and Manufacturing Company, Alexandria, Ind. Methods of and apparatus for treating insulating materials. 1,818,346; Aug. 11.
Mottweiler, Oliver F., and D. C. Drill, assignors to General Insulating and Manufacturing Company, Alexandria, Ind. Insulating jacket. 1,827,035; Oct. 13.
Mouchly, Jacques, Haifa, Palestine. Valve and valve gear for locomotives and other engines. 1,824,830; Sept. 29.
Mougey, Harry C., assignor to General Motors Research Corporation, Detroit, Mich. Radiator. 1,795,878; Mar. 10.
Moulet, Jean L. L. A. A., Boulogne-sur-Seine, France, assignor to Stewart-Warner Corporation, Chicago, Ill. Diaphragm fuel pump. Re18,112; June 23.
Moulson, Charles E. (See Adams, F. W., and Moulson.)
Moulton, Albion, Philadelphia, Pa., assignor, by mesne assignments, to Conveyor Sales Company, New York, N. Y. Connecter bolt. 1,807,127; May 26.
Moulton, Alfred B., Riverhead, N. Y., assignor to Radio Corporation of America. Indicating device. 1,809,637; June 9.
Moulton, Bryant E., Boston, Mass. Key holder. 1,800,843; Apr. 14.
Moulton, Emmons, C., Pasadena, Calif. Gear shift lever lock. 1,818,241; Aug. 11.
Moulton, Forest R., assignor, by mesne assignments, to Acme Motion Picture Projector Company, Chicago, Ill. Method of and apparatus for kinetoscopy. 1,801,969; Apr. 21.
Moulton, Harley C., Maplewood, assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Piercing machine. 1,830,404; Nov. 3.
Moulton, Harold R. (See Tillyer, E. D., and Moulton.)
Moulton, Harold R., Sturbridge, and E. D. Tillyer, Southbridge, assignors to American Optical Company, Southbridge, Mass. Glass treatment. 1,838,781; Dec. 29.
Moulton, Lloyd W., Syracuse, N. Y. Castellating machine. 1,797,834; Mar. 24.
Moulton, Lloyd W., assignor to Gaylord Brothers, Inc., Syracuse, N. Y. Type card for printing machines. 1,830,555; Nov. 3.
Moulton, Rollin H., Berwyn, Ill., assignor to Fry Equipment Corporation, Rochester, Pa. Shock absorber. 1,796,267; Mar. 10.
Mount, Ellsworth L. (See Post, C. W., and Mount.)
Mountain Chemical Company. (See Patton, Arthur L., assignor.)
Mountford, Thomas, assignor to Blancard & Co., Newark, N. J. Finger ring, bracelet, and the like. 1,796,387; Mar. 17.
Mountford, Thomas A., Newark, N. J., assignor to Blancard & Co., Inc., New York, N. Y. Jewelry clasp. 1,814,486; July 14.
Mountz, Ray C., Altoona, Pa. Brake mechanism. 1,828,612; Oct. 20.
Mourceau, Emil, New York, N. Y. Sliding curtain for canopies. 1,834,796; Dec. 1.
Moure, Ramiro, Los Angeles, Calif., assignor to A. Backus, jr., & Sons, Detroit, Mich. Baker's peel. 1,823,159; Sept. 15.
Mouron, Robert A., and H. E. Dorsey, Indianapolis, Ind., said Mouron assignor to said Dorsey. Vegetable spraying atomizer. 1,830,709; Nov. 3.
Mouthe, Auguste, assignor to F. Damon, Lyon, France. Varicose stocking. 1,836,679; Dec. 15.
Mouton, Paul, Paris, France, assignor to Oriental Silk Printing Company, New York, N. Y. Textile fabric or similar article. Des. 83,991; Apr. 21.
Mowers, Walter. (See Ackerman, E., and Mowers.)
Mowery, James W., San Antonio, Tex. Disappearing seat unit. 1,801,681; Apr. 21.
Mowlds, Albert B., assignor of forty-nine per cent to W. G. Craig, Bremerton, Wash. Holding and serving device for cans, bottles, and the like. 1,837,057; Dec. 15.
Mowrey, Ralph, Camas, Wash. Paper oiler, waxer, and moistener. 1,827,667; Oct. 13.

Mox, George F., Dayton, Ohio, assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Brake. 1,837,573; Dec. 22.
Moxley, Berry C., Hoquiam, Wash. Automatic oil burner regulator. 1,806,080; May 19.
Moxley, Claud, Ford City, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for cracking off and handling sheet glass. 1,792,653; Feb. 17.
Moya, Ramon G., Cornella de Llobregat, Spain. Shutterless loom. 1,804,890; May 12.
Moyer, Albert, New York, N. Y. Mixer. 1,796,659; Mar. 17.
Moyer, Amos F. (See McDonough, F. T., and Moyer.)
Moyer, Amos F., assignor to The National Automatic Machines Company, Minneapolis, Minn. Weighing apparatus. 1,790,509; Jan. 27.
Moyer, Charles L., assignor to Quality Hardware and Machinery Corporation, Chicago, Ill. Gripper mechanism. 1,808,783; June 9.
Moyer, Charles L., assignor to Quality Hardware and Machine Corporation, Chicago, Ill. Book assembly machine. 1,832,876; Nov. 24.
Moyer, Charles T., Garwin, Iowa. Clothesline support. 1,822,364; Sept. 8.
Moyer, David A., near Birdsboro, Pa. Blade sharpener. 1,821,721; Sept. 1.
Moyer, James H., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Repairing dental bridgework. 1,833,720; Nov. 24.
Moyers, Glenn L., St. Clair Shores, and E. A. Abraham, assignors to Monarch Governor Co., Detroit, Mich. Governor. 1,788,403; Jan. 13.
Moyle, William J. (See Ericson, E. P., and Moyle.)
Moyneur, Joseph, et al. (See Harel, Eugene, assignor.)
Moyses, Harry E., Akron, Ohio. Device for picking up golf balls and like articles. 1,830,520; Nov. 3.
Mucher, John J., Brooklyn, N. Y. Resistance unit. 1,795,961; Mar. 10.
Muchlinski, Leon, Kenosha, Wis. Recess folding bed. 1,820,672; Aug. 25.
Muchlinski, Leon, Kenosha, Wis. Folding bed. 1,821,315; Sept. 1.
Muchnic, Henry E., Atchison, Kans. Railroad frog. 1,793,240; Feb. 17.
Muchnic, Henry E., Atchison, Kans. Steel car. 1,836,723; Dec. 15.
Muchnic, Henry E., assignor to The Locomotive Finished Material Company, Atchison, Kans. Locomotive driving box. 1,831,877; Nov. 17.
Muckenhirn, Charles H., Detroit, Mich. Combination of automobile radiator, lamps, and fenders. Des. 83,239; Feb. 3.
Muckey, Jeremiah, Compton, Calif. Mold for grave curbings. 1,795,879; Mar. 10.
Mudd, Garrett W., Chicago, Ill., assignor to Standard Sealing Equipment Corporation. Packaging machine. 1,803,123; Apr. 28.
Mudd, Garrett W., assignor to Manufacturers Machinery Company, Chicago, Ill. Feeding mechanism for interlacing machines. 1,805,528; May 19.
Mudd, Garrett W., Chicago, Ill., assignor, by mesne assignments, to Standard-Knapp Corporation, New York, N. Y. Packaging machine. 1,821,111; Sept. 1.
Mudd, Garrett W., Chicago, Ill., assignor, by mesne assignments, to Standard-Knapp Corporation. Packing machine. 1,831,130; Nov. 10.
Mudge, William A. (See Shoffstall, A. S., Mudge, Bagsar, and Bieber.)
Mudge, William A., and C. G. Bieber, Huntington, W. Va. Transformer. 1,806,408; May 19.
Muehleisen, Carl, Philadelphia, Pa. Safety device. 1,789,110; Jan. 13.
Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Slug-trimming knives for typographical line-casting machines. 1,811,145; June 23.
Muehlfeld, Peter, and H. Deubel, New York, N. Y. Rocking-moving vehicle toy. 1,807,428; May 26.
Muehlstein, H., & Co. Inc. (See Hutchens, Edward, assignor.)
Mueller, Addie E., Decatur, Ill. Pillow. 1,787,832; Jan. 6.
Mueller, Adolf, Cheektowaga, N. Y., assignor to Irving Engineering Co., Inc., Sioux City, Iowa. Shutter for automobile radiators. 1,807,165; May 26.
Mueller, Albert B., Chicago, Ill., assignor to Postergraph Inc., Cleveland, Ohio. Holder for projection apparatus. 1,818,499; Aug. 11.
Mueller, Alfred F., Bay City, Mich. Combination screw driver and pliers. 1,802,666; Apr. 28.
Mueller, Arthur W., Cincinnati, Ohio. Combined perforator and handle. 1,814,487; July 14.
Mueller, August J., Yankton, S. Dak. Automotive vehicle heater. 1,825,884; Oct. 6.
Mueller, August J., Chicago, Ill. Hot top for ingot molds. 1,830,479; Nov. 3.
Mueller, Bernhard W., San Francisco, Calif., assignor to Firm: Paul Lechler, Stuttgart, Germany. Preventing gas absorption in liquids and for preventing rusting of submerged iron. 1,814,053; July 14.
Mueller Brass Co. (See Mueller, O. B., Robinson, and Rader, assignors.)
Mueller Brass Co. (See Rader, Harold K., assignor.)
Mueller, Charles C., jr., and D. C. Wendel, assignors to Wendel Co. Inc., Newark, N. J. Sign. 1,824,444; Sept. 22.
Mueller, Charles J., Eagle Rock, Calif. Safety casing valve. 1,802,732; Apr. 28.
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Sewing machine. 1,791,220; Feb. 3.
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Feeding mechanism for sewing machines. 1,812,895; July 7.
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Needle thread controlling mechanism. 1,827,949; Oct. 20.
Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Cover plate for sewing machines. 1,834,633; Dec. 1.
Mueller, Christian R., Highland Park, Mich. Thermostatic control. 1,835,512; Dec. 8.
Mueller Co. (See Cheetham, Joseph H., assignor.)
Mueller Co. (See Mueller, Frank H., assignor.)
Mueller Co. (See Mueller, Philip, assignor.)
Mueller Co. (See Mueller, Robert, assignor.)
Mueller Co. (See Mueller, Robert H., assignor.)
Mueller Co. (See Simpson, J. W., and Mueller, assignors.)
Mueller Co. (See Sutliff, James T., assignor.)
Mueller Co. (See Wilkins, James M., assignor.)
Mueller Electric Company. (See Mueller, Ralph S., assignor.)
Mueller, Emil C., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone plug 1,808,902; June 9.
Mueller, Emil L. (See McIntyre, David A., assignor.)
Mueller, Emil M., Bronx, assignor to C. P. Goerz, American Optical Company, New York, N. Y. Auxiliary reel holder for movie cameras. 1,797,175; Mar. 17.
Mueller, Frank H. (See Simpson, J. W., and Mueller.)
Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Ground key stop with spring tension. 1,794,636; Mar. 3.
Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Combined drill, reamer, and tap. 1,826,323; Oct. 6.
Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. High pressure inverted plug valve. 1,832,725; Nov. 17.
Mueller, Fred A., Indianapolis, Ind. Spinning top. 1,794,314; Feb. 24.
Mueller, Fred K., Chicago, Ill. Bottle capping machine. 1,819,519; Aug. 18.
Mueller, George E. (See Maurer, Russell L., assignor.)
Mueller, Godfrey A., Point Place, assignor to The De Vilbiss Company, Toledo, Ohio. Spray head. 1,800,262; Apr. 14.
Mueller, Hans, Detroit, Mich. Battery carrier. 1,832,409; Nov. 17.
Mueller, Herman G., assignor to Skinner Engine Company, Erie, Pa. Locomotive valve gear. 1,801,752; Apr. 21.
Mueller, Hugo, Mannheim, and H. Bertelsmann, Bielefeld, Germany. Stand-up double collars. 1,803,765; May 5.
Mueller, Johann A., Berlin, Germany. Stenciling machine. 1,826,149; Oct. 6.
Mueller, John A., and L. H. Mueller, Farmington, Mo. Automatic hydraulic crossing signal. 1,799,058; Mar. 31.
Mueller, John G., Dayton, Ohio. Absorbing train shocks from railway tracks. 1,794,637; Mar. 3.
Mueller, John G., Dayton, Ohio. Gripping and shock-absorbing equipment for railway tracks. 1,834,104; Dec. 1.
Mueller, Julius. (See Nawiasky, P., and Mueller.)
Mueller, Karl, Detroit, Mich. Concrete-pipe construction. 1,789,877; Jan. 20.
Mueller, L. J., Furnace Company. (See Wagner, Charles H., assignor.)
Mueller, Leo H. (See Mueller, John A., and L. H.)
Mueller, Moritz L., Seattle, Wash. Lumber drying apparatus for yard use. 1,804,107; May 5.
Mueller, Oscar B., St. Clair County, W. M. Robinson, and H. K. Rader, assignors to Mueller Brass Co., Port Huron, Mich. Pipe fitting and making the same. 1,801,171; Apr. 14.
Mueller, Philip, assignor, by mesne assignments, to Mueller Co., Decatur, Ill. China spout. 1,790,316; Jan. 27.
Mueller, Philip, assignor, by mesne assignments, to Mueller Co., Decatur, Ill. China spout. 1,790,317; Jan. 27.
Mueller, Philip, assignor, by mesne assignments, to Mueller Co., Decatur, Ill. Lavatory soap dish. 1,794,639; Mar. 3.
Mueller, Philip, assignor, by mesne assignments, to Mueller Co., Decatur, Ill. Soap dish. 1,801,362; Apr. 21.
Mueller, Ralph S., Cleveland Heights, Ohio, assignor to Mueller Electric Company. Clamp. 1,794,976; Mar. 3.
Mueller, Richard W., assignor to Kerotest Manufacturing Company, Pittsburgh, Pa. Drilling valve. 1,789,878; Jan. 20.
Mueller, Richard W., assignor to Kerotest Manufacturing Company, Pittsburgh, Pa. Operating mechanism for valves. 1,806,305; May 19.
Mueller, Robert, assignor, by mesne assignments, to Mueller Co., Decatur, Ill. Adjustable combination mixing faucet. 1,832,723; Nov. 17.
Mueller, Robert A. (See Gray, E., and Mueller.)
Mueller, Robert A., Houston, Tex. Removing pipe from wells. 1,830,207; Nov. 3.
Mueller, Robert H., assignor, by mesne assignments, to Mueller Co., Decatur, Ill. Ring for chains on traps and making the same. 1,801,363; Apr. 21.

Mueller, Robert H., assignor to Mueller Co., Decatur, Ill. Ball cock. 1,826,322; Oct. 6.
Mueller, Robert H., assignor to Mueller Co., Decatur, Ill. Spray nozzle. 1,832,724; Nov. 17.
Mueller, V., & Co. (See Wallerich, George W., assignor.)
Mueller, William G., assignor to Gardner-Denver Company, Denver, Colo. Pile driver. 1,800,397; Apr. 14.
Mueller, William G., assignor to Gardner-Denver Company, Denver, Colo. Chuck structure. 1,809,308; June 9.
Mueller, William L., La Grange, assignor to The Petersen Oven Company, Chicago, Ill. Baker's oven. 1,790,876; Feb. 3.
Mueller, William L., La Grange, assignor to The Petersen Oven Company, Chicago, Ill. Tray for traveler ovens. 1,793,445; Feb. 17.
Muench, Eduard, Ludwigshafen-on-the-Rhine, Germany, and T. Voltz, Basle, Switzerland, assignors to General Aniline Works, Inc., New York, N. Y. Reduction of organic carbonyl compounds. 1,826,811; Oct. 13.
Muennink, George, sr., et al. (See Cameron, Hugh F., assignor.)
Muentener, Christian, Bogota, N. J. Window shade fixture. 1,801,682; Apr. 21.
Muentener, Christian, and P. Helbig, Bogota, N. J. Embroidery machine. 1,823,911; Sept. 22.
Mueser, Emil E., Mountain Lakes, N. J. Electrical prospecting. 1,791,933; Feb. 10.
Muff, Oliver W. (See Welcome, S. B., and Muff.)
Muffly, Glenn. (See Carroll, Louis W., assignor.)
Muffly, Glenn, Detroit, Mich., assignor to Copeland Products Inc. Piston. 1,787,452; Jan. 6.
Muffly, Glenn, Detroit, Mich, assignor to Copeland Products Inc. Refrigerating apparatus. 1,800,953; Apr. 14.
Muffly, Glenn, Detroit, Mich., assignor to Copeland Products, Inc. Refrigerating apparatus. 1,801,563; Apr. 21.
Muffly, Glenn, Detroit, Mich., assignor to Copeland Products, Inc. Refrigerating mechanism. 1,806,019; May 19.
Muffly, Glenn, Detroit, Mich., assignor to Copeland Products, Inc. Refrigerator construction. 1,816,863; Aug. 4.
Muffly, Glenn, Detroit, Mich., assignor to Copeland Products, Inc. Expansion chamber for refrigerating mechanisms. 1,817,202; Aug. 4.
Muffly, Glenn, Richmond, Mich., assignor to Copeland Products, Incorporated. Refrigerator cabinet. 1,801,564; Apr. 21.
Muffly, Glenn, Richmond, assignor to Copeland Products, Inc., Detroit, Mich. Refrigerating apparatus. 1,827,097; Oct. 13.
Muffly, Glenn, Richmond, assignor to Copeland Products, Inc., Detroit, Mich. Refrigerator. 1,838,954; Dec. 29.
Mug, Edward T., Pittsburgh, Pa., assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Individual motor drive for roller conveyer rolls. 1,825,119; Sept. 29.
Mugdan, Martin. (See Meingast, R., and Mugdan.)
Mugdan, Martin, and J. Wimmer, assignors to Consortium für Elektrochemische Industrie, G. m. b. H., Munich, Germany. Obtaining concentrated acetic acid. 1,792,113; Feb. 10.
Muggleton, Gerald D. (See Brallier, P. S., Dunlap, and Muggleton.)
Mugler, Herman A., Lynbrook, N. Y. Multiple automobile pit. 1,813,460; July 7.
Muhl, Charles H., assignor to The National Automatic Tool Company, Richmond, Ind. Drill unit with common feed. 1,825,971; Oct. 6.
Muhleisen, Karl, assignor to Schutte and Koerting Company, Philadelphia, Pa. Feed water heater. 1,819,785; Aug. 18.
Muhlenbruck, Roy F., Hampton, Iowa. Propeller mounting. 1,800,094; Apr. 7.
Muhlfeld, Frank J., New York, N. Y. Felt hat and making it. 1,824,785; Sept. 29.
Muhlfeld, Henry J., New York, N. Y. Typewriter fastener. 1,823,753; Sept. 15.
Muhlfeld, John E. (See Havemeyer, H. O., jr., and Muhlfeld.)
Muhlfeld, John E., Scarsdale, N. Y. Locomotive bed. 1,829,962; Nov. 3.
Muhlichen, Rudolf, Hoboken, N. J. Extension table. 1,793,819; Feb. 24.
Muhlichen, Rudolf, Hoboken, N. J. Article holder. 1,824,562; Sept. 22.
Muhr, Henry G., Sioux City, Iowa. Roof construction. 1,810,674; June 16.
Muhr, Joseph, Eugene, Oreg. Charge supply means for internal combustion engines. 1,801,446; Apr. 21.
Muhs, Henry, Company. (See Rumsey, Herbert, jr., assignor.)
Muhvic, Matthew, Cleveland, Ohio. Animal trap. 1,829,602; Oct. 27.
Muir, Joseph, New York, N. Y., assignor to The Radium Emanation Corporation. Surgical instrument for implanting capillary seeds containing radium emanation. 1,789,766; Jan. 20.
Muir, Joseph, assignor to The Radium Emanation Corporation, New York, N. Y. Surgical instrument for implanting capillary seeds containing radium emanation. 1,789,767; Jan. 20.
Muir, Wellington W., assignor to Harrison Radiator Corporation, Lockport, N. Y. Radiator core for automobile cooling systems. 1,838,568; Dec. 29.
Muirhead, William, Lockport, N. Y. Bag machine. 1,819,786; Aug. 18.
Mularkey, John W., Fernandina, Fla. Gasoline gauge for automobiles. 1,829,489; Oct. 27.
Mulburn, Lessiter C. (See Ebel, W. K., and Milburn.)
Mulder, Cornelis A. H., Eindhoven, Netherlands, assignor to General Electric Company. Method and apparatus for coiling wire. 1,801,102; Apr. 14.
Mulder, Johannes G. W. (See Reerink, E. H., and Mulder.)
Mulder, Johannes G. W., and E. Oosterhuis, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Rectifying installation. 1,829,603; Oct. 27.
Muldner, Carl C., jr., Maplewood, Mo. Portfolio for neckties and soft collars. 1,803,343; May 5.
Muldoon, Bernard F., Mountainview, N. J., assignor to Henry Hyman, Brooklyn, N. Y. Combination plug and socket device. 1,832,044; Nov. 17.
Muldoon, John E., Etna, Calif. Casing for a signaling device. Des. 83,168; Jan. 27.
Mulhern, Albert E., and W. C. Self, Wichita, Kans. Demountable wheel. 1,837,574; Dec. 22.
Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Leer for annealing glassware. 1,790,434; Jan. 27.
Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Leer. 1,798,552; Mar. 31.
Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for annealing glassware. 1,803,031; Apr. 28.
Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Electric leer. 1,833,090; Nov. 24.
Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for making glass. 1,834,631; Dec. 1.
Mulhollen, James L., Fort Wayne, Ind. Accelerator control mechanism. 1,830,441; Nov. 3.
Mulka, Friedrich, Suhl, Germany. Attachment for turning work pieces by means of broad cutters. 1,830,881; Nov. 10.
Mullan, Harry D., and C. W. Tingley, Milwaukee, Wis.; said Mullan assignor to said Tingley. Mechanical movement. 1,833,224; Nov. 24.
Mullaney, Dudley A., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus. 1,794,315; Feb. 24.
Mullaney, John F., Colorado Springs, Colo. Check valve. 1,822,365; Sept. 8.
Mullaney, John F., Colorado Springs, Colo. Lid for receptacles. 1,822,366; Sept. 8.
Mullaney, Ralph A., Chicago, Ill. Lamp construction. 1,804,566; May 12.
Mullen, James F., jr., Chicago, Ill. Carburetor. 1,814,402; July 14.
Mullen, Raymond F., assignor, by mesne assignments to North East Appliance Corporation, Rochester, N. Y. Overrunning clutch. 1,820,151; Aug. 25.
Mullen, Raymond F., assignor, by mesne assignments, to North East Appliance Corporation, Rochester, N. Y. 1,834,722; Dec. 1.
Mullen, Thomas J., Owensmouth, Calif. Continuous paper beater. 1,790,830; Feb. 3.
Mullendore, Vine L. (See Paslak, E. W., and Mullendore.)
Müller, Adolf, Zurzach, Switzerland. Pressure gauge. 1,811,326; June 23.
Müller, Arthur H., Blankenese, near Hamburg, Germany. Suspension-rail track system. 1,794,089; Feb. 24.
Müller, Carl. (See Mittasch, A., and Müller.)
Müller, Carl. (See Mittasch, A., Pier, and Müller.)
Müller, Carl, Mannheim, and G. Wietzel and E. Galle, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Conversion of solid fuels. 1,823,116; Sept. 15.
Müller, Carl E. (See Eckert, W., and Müller.)
Müller, Carl W., assignor to the Firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Tobacco spreader for cigarette machines. 1,817,319; Aug. 4.
Muller, Charles A., Brooklyn, N. Y. Internal combustion engine. 1,821,662; Sept. 1.
Müller-Cunradi, Martin. (See Krauch, C., and Müller-Cunradi.)
Müller-Cunradi, Martin, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of iron carbonyl. 1,828,376; Oct. 20.
Müller-Cunradi, Martin, Ludwigshafen-on-the-Rhine, and Anneliese Kossuth, Mannheim-Feudenheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Stable iron carbonyl composition. 1,802,155; Apr. 21.
Müller, Eduard, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Pointing mechanism for guns. 1,820,820; Aug. 25.
Muller, Edward, North Bergen, N. J. Valve. 1,809,419; June 9.
Muller, Edward A., Cincinnati, Ohio. Gear-box mechanism. 1,796,042; Mar. 10.
Müller, Elisabeth, Brooklyn, N. Y. Foldable garment hanger. 1,809,561; June 9.
Müller, Ernst, Berlin, Germany. Whip-stitch sewing machine. 1,837,917; Dec. 22.

Muller, Ernst F. (See Levin, N. D., and Muller.)
Muller, Fred, assignor to Radio Corporation of America, New York, N. Y. Radio dial. 1,814,403; July 14.
Müller, Friederich, Elizabeth, N. J. Tube swaging machine and method. 1,819,376; Aug. 18.
Müller, Friederich, assignor to The Whitney Manufacturing Company, Hartford, Conn. Chain gearing. 1,796,661; Mar. 17.
Müller, Fritz. (See Hoffa, E., and Müller.)
Müller, Fritz, assignor to Chemical Works formerly Sandoz, Basel, Switzerland. Making dialkyl barbituric acids and 1-phenyl-2,3 Dimethyl-4-dimethylamino-5-pyrazolone. 1,810,846; June 16.
Müller, Georg, Frankfort-on-the-Main, and J. Jaenicke, Cronberg, near Frankfort-on-the-Main, Germany. Reciprocal action between gases and finely subdivided materials. 1,810,055; June 16.
Müller, Gustav W., Berlin-Charlottenburg, Germany, assignor to General Electric Company. Electrical apparatus. 1,828,573; Oct. 20.
Müller, Heinrich, Nuremberg, Germany. Toy. 1,793,121; Feb. 17.
Müller, Heinrich J., Schaffhausen, Switzerland. Adjustable invalid couch. 1,790,435; Jan. 27.
Müller, Hermann, assignor to Hermann Lewinsohn, Siegen, Westphalia, Germany. Apparatus for cutting cardboard and similar substances for decorations of shop windows and sceneries. 1,791,320; Feb. 3.
Müller-Hillebrand, Dietrich, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. High tension apparatus. 1,824,818; Sept. 29.
Müller, Imanuel. (See Pinkert, M. A. and Müller.)
Müller, Imanuel W., Neuenburg, Germany. Seal. 1,821,984; Sept. 8.
Muller, Jacques, La Garenne Colombes, France. Apparatus for delivering measured quantities of liquid. 1,815,875; July 21.
Müller, Jens. (See Hoffa, E., and Müller.)
Muller, Johann C. (See Stelzer, Franz H. B., assignor.)
Müller, Johann G., Kiel-Ellerbek, Germany. Power drive for flat knitting machines. 1,805,315; May 12.
Müller, John H., Philadelphia, Pa., assignor to J. Baumann. Attachment for doughnut blank cutting machines. 1,814,951; July 14.
Müller, John P., New Rochelle, N. Y. Poise and manipulating device for same on balance beams. 1,804,177; May 5.
Muller, Lucien, Florange, France. Adjustable searchlight. 1,827,797; Oct. 20.
Müller, Max, Leipzig-Reudnitz, assignor to the firm Adolf Bleichert & Co., A. G., Leipzig, Germany. Car for passenger ropeways. 1,824,291; Sept. 22.
Müller, Michael, Berlin-Charlottenburg, assignor to Siemens Bauunion G. m. b. H. Kommanditgesellschaft, Siemensstadt, near Berlin, Germany. Chemically solidifying earth. 1,815,876; July 21.
Müller & Montag, Gesellschaft, mit beschränkter Haftung. (See Orbel, Curt G., assignor.)
Müller, Oskar A., Zurich, Switzerland. Working up materials containing lignin and cellulose. 1,816,394; July 28.
Muller, Otto, Richmond Hill, assignor to Kneher, Muller Company, Inc., New York, N. Y. Labeling and banding. 1,821,564; Sept. 1.
Muller, Otto, Richmond Hill, assignor to Kneher, Muller Company, Inc., New York, N. Y. Cigar band. 1,827,761; Oct. 20.
Müller, Otto A., Ambler, assignor to The Florex Gardens, North Wales, Pa. Carnation. Pl. Pat. No. 3; Oct. 20.
Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Carriage equipment for accounting machines. 1,787,489; Jan. 6.
Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Paper carriage. 1,814,178; July 14.
Muller, Rudolph G., Irvington, N. J. Hat blocker. 1,819,256; Aug. 18.
Müller, Werner. (See Holzach, K., Kämmerer, and Müller.)
Müller, Werner. (See Reddelien, G., and Müller.)
Müller, Werner. (See Spengler, O., and Müller.)
Muller, Wesley A., Monterey, and B. C. Youman, assignors to California Packing Corporation, San Francisco, Calif. Fish cleaning machine. 1,828,725; Oct. 20.
Müller, Wilhelm. (See Leggemann, W., and Müller.)
Müller, Wolf J., and H. Hiller, Vienna, Austria. Preparation of alumina. 1,826,895; Oct. 13.
Mullett, Charles J., Ottawa, Ohio. Anchor post. 1,791,368; Feb. 3.
Mullett, Howard A., and H. E. Heine, assignors to Bradley Washfountain Company, Milwaukee, Wis. Compartment shower bath. 1,821,229; Sept. 1.
Mullet, Howard A., and H. E. Heine, assignors to Bradley Washfountain Company, Milwaukee, Wis. Foot controlled wash fountain. 1,836,766; Dec. 15.
Mulligan, George, Chicago, Ill., assignor to Mulroco, Chicago, Ill. Clock case or similar article. Des. 85,195; Sept. 22.
Mulligan, Leonard A., assignor to J. N. Smith Co., Detroit, Mich. Frame corner bead. 1,817,162; Aug. 4.
Mulligan, Paul C., Seattle, Wash. Oil burner system. 1,827,950; Oct. 20.
Mullin, Jay M., Elmhurst, N. Y. Combined bookcase, clockcase and radiocabinet. Des. 84,588; July 7.
Mullin, John J., and J. L. Foley, Detroit, Mich. Ventilating apparatus. 1,802,617; Apr. 28.
Mullin, John W., Mount Vernon, Ohio. Metal-working machine. 1,790,943; Feb. 3.
Mullinax, Claude, et al. (See Pettit, James C., assignor.)
Mullins Manufacturing Corporation. (See Booth, Morris F., assignor.)
Mullins, Robert T., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Golf bag. 1,795,880; Mar. 10.
Mulock, Fred S., San Gabriel, Calif., assignor to United States Smelting, Refining & Mining Company, Portland, Me. Drill point and making the same. 1,826,085; Oct. 6
Mulroco. (See Mulligan, George, assignor.)
Multhaupt, Paul, Dusseldorf, Germany. Mandrel for tube rolling mills. 1,819,257; Aug. 18.
Multibestos Company. (See Waite, Edwin E., assignor.)
Multiple Valve and Manufacturing Company, The. (See Oweger, L., and Schoettinger, assignors.)
Multiplex Display Fixture Co. (See Miller, Daniel N., assignor.)
Multipose Portable Cameras, Limited. (See Josepho, Anatol M., assignor.)
Multipost Company. (See Gay, Azel, assignor.)
Mulvany, Harry A., Berkeley, Calif. Method and apparatus for projecting comminuted materials. 1,836,272; Dec. 15.
Mulvihill, Daniel C., Hannibal, Mo. Foundry and casting plant. 1,798,485; Mar. 31.
Mulville, Agnes, assignor to T. H. Haskett, Los Angeles, Calif. Composition of matter. 1,802,442; Apr. 28.
Mumaugh, Arthur H., assignor of one-half to W. J. Jacobs, Toledo, Ohio. Gear shift control mechanism. 1,806,211; May 19.
Mumaugh, Clarence L., Lima, Ohio. Coin container. 1,793,001; Feb. 17.
Mumford, Russell W., Trona, Calif., assignor, by mesne assignments, to American Potash & Chemical Corporation, New York, N. Y. Recovery of crystallizable constituents from liquors. 1,790,436; Jan. 27.
Mumm, Bernard J., St. Paul, Minn. Sausage casing and producing the same. 1,837,280; Dec. 22.
Mummert, Calvin J. (See Rodler, Hilmer F., assignor.)
Mummert-Dixon Company. (See Mummert, Ervin S., assignor.)
Mummert, Ervin S., assignor to Mummert-Dixon Company, Hanover, Pa. Sump drain pump. 1,801,103; Apr. 14.
Mummert, Harvey C., Hammondsport, N. Y. Metal framed structure for aeroplanes. 1,818,423; Aug. 11.
Mummery, Clyde W., Detroit, Mich. Stove. 1,827,951; Oct. 20.
Mumper, Norris M. (See Goodwin, N., and Mumper.)
Münchow, Erich B., Planegg, Germany. Production of fire lighters for coal or other fuel. 1,817,458; Aug. 4.
Munday, Horace D., Schenectady, N. Y. Brush and current collector. 1,807,794; June 2.
Munday, Horace D., Schenectady, N. Y. Truing commutators. 1,825,676; Oct. 6.
Munday, Horace D., Schenectady, N. Y. Brush holder device for truing commutators. 1,835,513; Dec. 8.
Munday, Horace D., Schenectady, N. Y. Method and apparatus for making collector brushes. 1,836,385; Dec. 15.
Munday, Horace D., Schenectady, N. Y. Brush holder. 1,837,827; Dec. 22.
Munday, J. S., Hoisting Engine Company. (See Faehrmann, Hermann, assignors.)
Mundet, L., & Son, Inc. (See Willanyi, Charles M., assignor.)
Mundis, Edgar R., Blairsville, Ind. Lubricating device. 1,833,402; Nov. 24.
Mundorf, Emil, Aachen, Germany. Washing and fulling of fabrics. 1,788,777; Jan. 13.
Mundy, James W., and G. E. Bohannon, Baltimore, Md. Antenna support. 1,791,425; Feb. 3.
Munford, Theodore W. (See Mantle, G. D., and Munford.)
Mungen, Theodore, assignor to Edw. G. Budd Mfg. Company, Philadelphia, Pa. Ash tray-menu holder. 1,829,755; Nov. 3.
Munger, Robert P., Sioux City, Iowa. Barber pole. 1,789,768; Jan. 20.
Municipal Street Sign Co. (See Sprung, Abraham, assignor.)
Municipal Street Sign Co. (See Sprung, Abraham and J., assignors.)
Muniente, Louis, Rome, N. Y. Clothesline support. 1,831,717; Nov. 10.
Munitex Corporation. (See Boehringer, R., and Wolf, assignor.)
Munk, Alvin N. (See Wickman, L. A., and Munk.)
Munn, Andrew A., Rapid City, S. Dak. Grapple. 1,831,573; Nov. 10.
Munns, Arthur T., Santa Monica, Calif. Elevator. 1,817,418; Aug. 4.
Munns, Ernest A., New York, N. Y. Paint and enamel composition. 1,821,444; Sept. 1.
Munoz, Gonzalo C. (See Watson, D. M., and Munoz.)
Munoz, Gonzalo C., and R. H. Bowen, assignors to The American Pulley Company, Philadelphia, Pa. Rack for hand trucks. 1,807,128; May 26.
Munro, Thomas, Philadelphia, Pa. Spring cover. 1,793,122; Feb. 17.
Munro, Thomas, Philadelphia, Pa. Spring cover. 1,797,835; Mar. 24.

Munroe, Thomas, Dayton, Ohio, and J. B. Coleman, Bloomington, Ind. Wedge support for objects packed in shipping boxes. 1,791,369; Feb. 3.
Munroe, Treadway B., assignor, by mesne assignments, to The Celotex Company, Chicago, Ill. Sprocket. 1,808,369; June 2.
Munroe, Treadway B., and E. C. Lathrop, Chicago, Ill.; said Lathrop assignor to said Munroe. Preservation of fibers. 1,813,632; July 7.
Munroe, Treadway B., and E. C. Lathrop, Chicago, Ill.; said Lathrop assignor to said Munroe. Felted material and manufacturing the same. 1,819,194; Aug. 18.
Munroe, Treadway B., and E. C. Lathrop, assignors to The Celotex Company, Chicago, Ill. Preservation of vegetable material in storage. 1,833,493; Nov. 24.
Müns, Ferdinand, Fechenheim, near Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Production of acid and lime resisting derivatives of unsaturated fatty acids. 1,796,801; Mar. 17.
Munsch, Hans, Klein-Glienicke, near Potsdam, assignor to the firm: Ideal Werke Aktiengesellschaft für drahtlose Telephonie, Berlin, Germany. Loud-speaker. 1,790,437; Jan. 27.
Munsell, Albert W. (See Fickett, E. L., and Munsell.)
Munsingwear Corporation, The. (See Chatfield, Franklin, assignor.)
Munsingwear Corporation, The. (See Sekey, Margaret, assignor.)
Munson, Burr N., Muncie, Ind. Shield for vehicle wheels. Des. 85,591; Nov. 17.
Munson, Frank L., et al. (See Darnell, Rex C., assignor.)
Munson, Henry L., Fort Wayne, Ind. Combination knob lock. 1,813,813; July 7.
Munson, Horace D., and G. A. Petroe, Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Fluid transmission. 1,821,524; Sept. 1.
Munson, John H., Hollywood, Calif. Automobile hub cap. 1,814,054; July 14.
Munson, John L., Arcadia, Calif. Poultry feed hopper. 1,836,488; Dec. 15.
Munson, John M. (See Becker, L. A., and Munson.)
Munson, Joseph J., Houma, La. Centrifugal machine. 1,794,792; Mar. 3.
Munson, Luther S., West Riverdale, Md. Building wall. 1,822,820; Sept. 8.
Munson, Nyle R., Waterbury, Conn. Apparatus for extruding seamless brass and copper tubes. 1,808,370; June 2.
Munson, Otto A., St. Paul, Minn. Metal window sash and frame. 1,806,263; May 19.
Munson, Sweney, Pittsburg, Kans. Pneumatic vehicle wheel. 1,789,769; Jan. 20.
Munson, Willard T., assignor to Collins Supply and Equipment Company, Scranton, Pa. Ring and traveler for spinning machines. 1,807,861; June 2.
Munson, Willard T., Scranton, Pa., assignor to Collins Supply & Equipment Company. Thread cleaner. 1,813,633; July 7.
Münter, Hans, Hennigsdorf, Germany, assignor to General Electric Company. Vaporizer. 1,837,986; Dec. 22.
Munters, Carl G. (See von Platen, B. C., and Munters.)
Munters, Carl G., Stockholm, Sweden. Device for cleaning, dyeing, drying, and the like. 1,819,618; Aug. 18.
Munters, Carl G., assignor to Platen-Munters Refrigerating System, Aktiebolag, Stockholm, Sweden. Refrigeration. 1,798,951; Mar. 31.
Munters, Carl G., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Absorption refrigerating apparatus. 1,805,293; May 12.
Munters, Carl G., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,808,723; June 2.
Munthesen, Niels, Copenhagen, Denmark. Water-tight electric switch. 1,789,017; Jan. 13.
Munz, Elmer G., Detroit, Mich. Spray head. 1,801,524; Apr. 21.
Munz, Elmer G., Detroit, Mich. Spray nozzle. 1,805,782; May 19.
Munz, Elmer G., Detroit, Mich. Spray head. 1,837,575; Dec. 22.
Münz, Ferdinand, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Fatty acid derivatives and making same. 1,822,977; Sept. 15.
Münz, Ferdinand, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Making fatty acid derivatives. 1,822,978; Sept. 15.
Münz, Ferdinand, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Esterified fatty acid derivatives and preparing same. 1,822,979; Sept. 15.
Münz, Ferdinand, Frankfort-on-the-Main, Mainkur, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Improved process for the production of acid and lime resisting derivatives of unsaturated fatty acids. 1,836,487; Dec. 15.
Murase, Eiichi, San Francisco, Calif. Bicycle gearing. 1,826,565; Oct. 6.
Murch, Frank G., Methuen, Mass. Textile material and process of making. 1,815,027; July 14.
Murch, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Cutting circular and other nonrectangular blanks from sheet metal. 1,818,150; Aug. 11.
Murch, Wilfred M., Hamburg, assignor to National Aniline & Chemical Co. Inc., New York, N. Y. Production of flavanthrone. 1,827,254; Oct. 13.
Murchi, Guy, jr., Dedham, Mass. Cuff link. 1,826,364; Oct. 6.
Murchie, James, Traverse City, assignor to Holland Furnace Company, Holland, Mich. Grate shaking and dumping device. 1,808,002; June 2.
Murck, Knud, Forest Hills, N. Y., assignor to Charles Bruning Company, Inc. Paper-developing apparatus. 1,795,344; Mar. 10.
Murck, Knud, Forest Hills, N. Y., assignor to Charles Bruning Company Inc. Paper-developing attachment. 1,800,697; Apr. 14.
Murdick, Charles C., Toledo, Ohio. Transmitting device. 1,835,076; Dec. 8.
Murdo, William. (See Steiner, G. A., Waileski, and Murdo.)
Murdock, Alfred E. (See Stockwell, S. E., Murdock, Winzig, and Morris.)
Murdock & Geb Company. (See Metcalf, Elton C., assignor.)
Murdock, Henry J., Statesville, N. C. Interlocking stretcher joint in furniture. 1,813,072; July 7.
Murdock, William J., Chelsea, Mass., assignor to Hazeltine Corporation, Jersey City, N. J. Vacuum tube socket. 1,823,331; Sept. 15.
Mureau, Charles A., Los Angeles, Calif. Powder puff. 1,824,226; Sept. 22.
Muren, Albert L., Dearborn, Mich. Automatically regulated semiflash boiler system. 1,821,112; Sept. 1.
Murnahan, Louis, Washington, D. C. Marking device. 1,814,488; July 14.
Murphy, A. B. (See Smith, Bennie H., assignor.)
Murphy, Arthur R., Milwaukee, and J. B. Oesch, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Chemical Corporation. Sulphonation of aromatic amines. 1,794,861; Mar. 3.
Murphy, Arthur R., Milwaukee, and J. B. Oesch, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Chemical Corporation. Improving the solubility of dyestuffs. 1,796,115; Mar. 10.
Murphy, Bertrand P. (See Devereaux, Francis A., assignor.)
Murphy, Charles J. (See Gamet, E. I., and Murphy.)
Murphy, Charles L., Cincinnati, Ohio. Ice-cream container. 1,790,068; Jan. 27.
Murphy, Daniel H., West Hartford, Conn. Portable sup port for massage apparatus. 1,815,928; July 28.
Murphy, Daniel H., West Hartford, Conn., assignor, by mesne assignments, to National Electric Products Corporation, New York, N. Y. Electrical conductor. 1,798,486; Mar. 31;
Murphy, Daniel H., West Hartford, assignor to The Wiremold Company, Hartford, Conn. Tubular fabric. 1,814,223; July 14.
Murphy, Daniel H., West Hartford, assignor to The Wiremold Company, Hartford, Conn. Woven tubular fabric. 1,814,224; July 14.
Murphy, Daniel H., West Hartford, assignor to The Wiremold Company, Hartford, Conn. Electrical conduit. 1,825,010; Sept. 29.
Murphy, Durward. (See Gilchrist, T. O., and Murphy.)
Murphy, Edward A. (See Trobridge, G. W., Murphy, Twiss, and Gorham.)
Murphy, Edward A. (See Twiss, D. F., and Murphy.)
Murphy, Edward B., Kansas City, Mo., assignor, by mesne assignments, to Wilson-Jones Company, Chicago, Ill. Protector for loose leaf binders. 1, 818.999; Aug. 18.
Murphy, Edwin J., Schenectady, N. Y., assignor to General Electric Company. Indicating system. 1,814,842; July 14.
Murphy, Ernest, assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Car-door control. 1,795,790; Mar. 10.
Murphy, Everett N., Chicago, Ill., assignor, by mesne assignments, to Johns-Manville Sales Corporation. Floor construction. 1,803,723; May 5.
Murphy, Francis, New York, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Carpet. Des. 85,592; Nov. 17.
Murphy, Frank J., Floral Park, assignor to S. W. Farber, Inc., Brooklyn, N. Y. Clamping lamp-shade support. 1,790,877; Feb. 3.
Murphy, George C., assignor of one-half to F. H. Poschinger, Louisville, Ky. Collapsible elevator-cab gate. 1,789,635; Jan. 20.
Murphy, George F., Philadelphia, Pa. Expansion joint and anchorage therefor. 1,805,102; May 12.
Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,795,034; Mar. 3.
Murphy, Howard J., Reading, Mass., assignor by mesne assignments to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,799,433; Apr. 7.
Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Charge determining device. 1,807,928; June 2.
Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating system. 1,811,958; June 30.

Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating system. 1,818,347; Aug. 11.
Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,821,230; Sept. 1.
Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Suction motor. 1,825,411; Sept. 29.
Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,825,972; Oct. 6.
Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating system. 1,825,973; Oct. 6.
Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,837,576; Dec. 22.
Murphy, Jack O., Imperial, Calif. Hay pick-up. 1,787,873; Jan. 6.
Murphy, James J., Washington, D. C. Fraternal lapel button. Des. 84,158; May 12.
Murphy, James J., Washington, D. C. Fraternal badge. Des. 84,430; June 16.
Murphy, John, Jefferson, Iowa. Weeder attachment. 1,814,404; July 14.
Murphy, John D., Chicago, Ill. Weather strip for swinging double doors. 1,796,043; Mar. 10.
Murphy, John J., Cincinnati, Ohio. Antislip rubber heel. 1,829,941; Nov. 3.
Murphy, Leonard, Dublin, Ireland. Apparatus for indicating the depth of liquids in tanks or other containers. 1,811,801; June 23.
Murphy, Martin, E., West Palm Beach, Fla. Form. 1,819,916; Aug. 18.
Murphy, Mary A., Pittsfield, Mass. Garment suspension means. 1,837,987; Dec. 22.
Murphy, Mary E., Dallas, Tex. Reversible window shade and securing means. 1,795,261; Mar. 3.
Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
Murphy, P. H., Company. (See Harter, Charles, assignor.)
Murphy, P. H., Company. (See Sisson, Vinton E., assignor.)
Murphy, P. H., Company. (See Small, Arthur E., assignor.)
Murphy, Patrick J., Scranton, Pa. Signal switch for trolley lines. 1,813,634; July 7.
Murphy, Paul B., Nyack, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit controlling device. 1,828,507; Oct. 20.
Murphy, Samuel J., Wink, Tex. Well cementing apparatus. 1,830,851; Nov. 10.
Murphy, Thomas A., Middletown, Conn., assignor of one-half to B. C. Stone, Portland, Conn. Piston-position indicator. 1,789,593; Jan. 20.
Murphy, Thomas F. (See Henry, Joseph G., assignor.)
Murphy, Thomas L., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve chest for rock drills. 1,791,036; Feb. 3.
Murphy, Thomas L., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Blowing device for fluid-actuated tools. 1,798,748; Mar. 31.
Murphy, Walter J., assignor to John A. Roebling's Sons Company, Trenton, N. J. Marking wire fabrics. 1,837,726; Dec. 22.
Murphy, Walter M., Company. (See Bresee, La Mar, assignor.)
Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. Device for operating car couplers. 1,800,898; Apr. 14.
Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. Cast metal hopper door for railway cars. 1,809,638; June 9.
Murphy, William G. (See Shuttleworth, J., and Murphy.)
Murray, Albert L., Auburn, Ind. Rubber soap dish. Des. 84,489; June 23.
Murray, Albert L., Auburn, Ind. Rubber sole for shoes. Des. 84,646; July 14.
Murray, Alfred H. (See Krone, Christian C., assignor.)
Murray, Arthur T., and J. F. Martin, assignor to American Bosch Magneto Corporation, Springfield, Mass. Magneto. 1,837,231; Dec. 22.
Murray Company, The. (See Behle, Joseph, assignor.)
Murray Company, The. (See Behle, J. T., Aven, and Linnartz, assignors.)
Murray Company, The. (See Behle, J., King, and Blackmon, assignors.)
Murray Company, The. (See Behle, J., and Linnartz, assignors.)
Murray Company, The. (See Hancock, William L., assignor.)
Murray Company, The. (See Woodford, B. C., Behle, and Conrad, assignors.)
Murray Corporation, The. (See McDowell, L. A., and Graebner, assignors.)
Murray Corporation of America, The. (See Avery, Clarence W., assignor.)
Murray Corporation of America, The. (See Bare, Erwin L., assignor.)
Murray Corporation of America, The. (See Menton, Joseph B., assignor.)
Murray Corporation of America, The. (See Moesta, Marvin W., assignor.)
Murray Corporation of America, The. (See Northup, Amos E., assignor.)
Murray Corporation of America, The. (See Smith, Chris E., assignor.)
Murray Corporation of America, The. (See Westrope, Fred J., assignor.)
Murray Corporation of America. (See Widman, Charles H., assignor.)
Murray, D. J., Manufacturing Company. (See Bassler, Edwin M., assignor.)
Murray, Edward J., Glenside, Pa. Adjustable wing safety device for aircraft. 1,821,764; Sept. 1.
Murray, Emslie E., Schenectady, N. Y. Steam drier. 1,827,798; Oct. 20.
Murray, George E., Battle Creek, Mich., assignor to Railway Engineering Equipment Company, Chicago, Ill. Locomotive terminal. 1,788,064; Jan. 6.
Murray, Harry D., Grove City, Pa., assignor, by mesne assignments, to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Gas engine. 1,791,969; Feb. 10.
Murray, Howard J., Brooklyn, N. Y. Synchronizer device. 1,828,508; Oct. 20.
Murray, Howard J., Brooklyn, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa. Rocking-arm switch. 1,791,478; Feb. 3.
Murray, Howard J., New York, N. Y., assignor to R. M. Company Inc., East Pittsburgh, Pa. Neon-light direction signal. 1,792,599; Feb. 17.
Murray, Howard J., New York, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa. Automatic release for gear synchronizers. 1,803,535; May 5.
Murray, Howard J., New York, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa. Pendulum controlled circuit closer. 1,805,147; May 12.
Murray, Howard J., Brooklyn, N. Y., assignor to Sure-Shift Transmission Corporation, East Pittsburgh, Pa. Double cone clutch synchronizer. 1,810,494; June 16.
Murray, Howard J., Brooklyn, N. Y., assignor to R. M. Company, Inc., East Pittsburgh, Pa. Cone gear synchronizer. 1,822,107; Sept. 8.
Murray, James M., Cleveland, Okla. Pump piston. 1,798,123; Mar. 24.
Murray, John F., et al., executors. (See Holmes, Henry S., assignor.)
Murray, John F., et al., executors. (See Murray, Thomas E.)
Murray, John F., et al., executors. (See Murray, T. E., and Lawrence.)
Murray, John F., et al., executors. (See Murray, Thomas E., assignor.)
Murray, John J., Arlington, Mass. Card-separating mechanism. 1,794,198; Feb. 24.
Murray, John J., Rye, assignor to American Bank Note Company, New York, N. Y. Sheet collecting machine. 1,825,885; Oct. 6.
Murray, John M., and B. P. Hoar, Los Angeles, Calif. Indicator for automobile headlights. 1,832,317; Nov. 17.
Murray, Joseph B., et al., executors. (See Holmes, Henry S.)
Murray, Joseph B., et al., executors. (See Murray, Thomas E.)
Murray, Joseph B., et al., executors. (See Murray, Thomas E., assignor.)
Murray, Joseph B., et al., executors. (See Murray, T. E., and Lawrence.)
Murray, Joseph Bradley, et al., executors. (See Murray, Thomas E., deceased.)
Murray, Joseph Bradley, et al., executors. (See Murray, T. E., and Lawrence.)
Murray, Larkin A., Des Moines, Iowa. Ventilating door or like. 1,827,996; Oct. 20.
Murray, Lawrence E. (See Mimms, Alphonso, assignor.)
Murray, L. S., et al. (See Beattie, Orville S., assignor.)
Murray, Mary J., Watertown, Mass. Garment hanger. 1,794,416; Mar. 3.
Murray, Norris F., Hinsdale, Ill. Patty forming device. 1,808,993; June 9.
Murray-Ohio Manufacturing Company. (See Johnson, Gustaf O., assignor.)
Murray, Patrick W., Dubuque, Iowa. Automobile signal device. 1,808,677; June 2.
Murray Radiator Corporation. (See Bennett, I. T., and Soehner, assignors.)
Murray Radiator Corporation. (See Murray, Thomas E., assignor.)
Murray Radiator Corporation. (See Murray, Thomas E., jr., assignor.)
Murray Radiator Corporation. (See Murray, T. E., jr., and Bennett, assignors.)
Murray Radiator Corporation. (See Phelps, George H., assignor.)
Murray Radiator Corporation. (See Usina, Domingo A., assignor.)
Murray Radiator Corporation. (See Usina, Domingo A., jr., assignor.)
Murray, Richard, New York, N. Y. Insulator and core. 1,787,453; Jan. 6.
Murray, Richard, New York, N. Y. Wall construction. 1,808,249; June 2.
Murray, Richard, New York, N. Y. Ceiling, floor, and roof construction. 1,821,355; Sept. 1.
Murray, Robert C., assignor to Economics Laboratory, Inc., St. Paul, Minn. Solution tank. 1,788,404; Jan. 13.
Murray, Stanley G., Passaic, N. J. Scale. 1,839,115; Dec. 29.

Murray, Thomas E. (See Holmes, Henry S., assignor.)
Murray, Thomas E., Brooklyn, N. Y., deceased; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Boiler structure. 1,791,064; Feb. 3.
Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Device Corporation. Conduit and method of production. 1,793,241; Feb. 17.
Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Device Corporation. Seal. 1,798,749; Mar. 31.
Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Superheater. 1,799,632; Apr. 7.
Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors of said T. E. Murray, assignors to Murray Radiator Corporation. Radiator. 1,813,123; July 7.
Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Device Corporation. Circuit breaking apparatus. 1,833,173; Nov. 24.
Murray, Thomas E., deceased, Brooklyn, N. Y.; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Superheater or the like. 1,838,105; Dec. 29.
Murray, Thomas E., deceased, Brooklyn, N. Y., and J. H. Lawrence, New York, N. Y.; said Lawrence assignor to said Murray; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors of said T. E. Murray, deceased, assignors to Metropolitan Engineering Company. Boiler wall. 1,799,633; Apr. 7.
Murray, Thomas E., deceased, Brooklyn, and J. H. Lawrence, New York, N. Y.; said Lawrence assignor to said Murray; J. B. Murray, T. E. Murray, jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Furnace. 1,823,117; Sept. 15.
Murray, Thomas E., jr., et al., executors. (See Holmes, Henry S., assignor.)
Murray, Thomas E., jr., et al., executors. (See Murray, Thomas E.)
Murray, Thomas E., jr., et al., executors. (See Murray, Thomas E., assignor.)
Murray, Thomas E., jr., et al., executors. (See Murray, Thomas E., deceased.)
Murray, Thomas E., jr., et al., executors. (See Murray, T. E., and Lawrence.)
Murray, Thomas E., jr., Brooklyn, N. Y., assignor to Murray Radiator Corporation. Radiator. 1,793,123; Feb. 17.
Murray, Thomas E., jr., Brooklyn, N. Y., assignor to Metropolitan Engineering Company. Heater. 1,798,892; Mar. 31.
Murray, Thomas E., jr., Brooklyn, N. Y., assignor to Metropolitan Engineering Company. Tank. 1,802,733; Apr. 28.
Murray, Thomas E., jr., Brooklyn, N. Y., assignor to Metropolitan Engineering Company. Car journal box. 1,811,554; June 23.
Murray, Thomas E., jr., Brooklyn, N. Y., assignor to Murray Radiator Corporation. Casing or cover for radiators. 1,816,604; July 28.
Murray, Thomas E., jr., Brooklyn, N. Y., assignor to Murray Radiator Corporation. Radiator. 1,816,605; July 28.
Murray, Thomas E., jr., Brooklyn, N. Y., assignor to Metropolitan Engineering Company. Welding method and apparatus. 1,816,864; Aug. 4.
Murray, Thomas E., jr., Brooklyn, N. Y., assignor to Murray Radiator Corporation. Radiator. 1,816,607; July 28.
Murray, Thomas E., jr., Brooklyn, N. Y., assignor to Metropolitan Engineering Company. Wheel and Production. 1,838,322; Dec. 29.
Murray, Thomas E., jr., and I. T. Bennett, Brooklyn, N. Y., assignors to Murray Radiator Corporation. Radiator. 1,790,241; Jan. 27.
Murray, Thomas E., jr., and I. T. Bennett, Brooklyn, N. Y., assignors to Murray Radiator Corporation. Radiator and other welded structure. 1,816,606; July 28.
Murray, Thomas E., jr., and L. H. Hoffer, Brooklyn, N. Y., assignors to Metropolitan Engineering Company. Machine for making radiators and other structures. 1,788,201; Jan. 6.
Murray, Thomas E., jr., Brooklyn, and H. H. Williams, New York, N. Y.; said Williams assignor to said Murray. Production of vehicle wheels. 1,821,663; Sept. 1.
Murray, Thomas E., jr., Brooklyn, N. Y., and G. H. Phelps, Warehouse Point, Conn.; said Phelps assignor to said Murray. Making electric resistance welds. 1,832,497; Nov. 17.
Murray, Thomas F., jr. (See Staud, C. J., and Murray.)
Murray, Thomas F., jr., and C. J. Staud, assignors to Eastman Kodak Company Rochester, N. Y. Cellulosic composition of matter containing piperidine. 1,826,667; Oct. 6.
Murray, Thomas F., jr., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulosic composition of matter containing anisidine. 1,826,668; Oct. 6.
Murray, Wallace J. (See Davis, H. S., and Murray.)
Murray, William, Astoria, Long Island, N. Y. Miter-cut finder. 1,791,221; Feb. 3.
Murray, William A., Spring Company, The. (See Murray, William A., sr., assignor.)
Murray, William A., sr., assignor to The William A. Murray Spring Company, Cincinnati, Ohio. Spring seat for vehicles. 1,795,881; Mar. 10.
Murray, William T. (See Barry, J. J., and Murray.)
Murrell, William P., and E. H. Shockley, Hobart, Okla. Automobile signal. 1,788,584; Jan. 13.
Murrill, Paul I., Plainfield, N. J., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Stabilization of compounds containing a fatty acid radical. 1,822,108; Sept. 8.
Murrill, Paul I., Plainfield, N. J., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Stabilization of fatty acids and their derivatives. 1,822,934; Sept. 15.
Murrill, Paul I., Plainfield, N. J., and W. W. Evans, Longmeadow, Mass., assignors to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Oil composition, etc. 1,789,926; Jan. 20.
Murrill, Paul I., Plainfield, N. J., and W. W. Evans, New Rochelle, assignors to R. T. Vanderbilt Co., Inc., New York, N. Y. Oil composition. 1,789,927; Jan. 20.
Murrin, Gahlbeth H. (See Lang, J. R., and Murrin.)
Murrish, William U., Oakland, Calif. Sewing basket. 1,788,804; Jan. 13.
Murrow, William R., assignor of one-half to O. W. Compton, Independence, Kans. Speed control device. 1,824,292; Sept. 22.
Mursch, John, Kenmore, assignor to Buffalo Hammer Mill Corporation, Buffalo, N. Y. Hammer mill. 1,818,570; Aug. 11.
Murton, Trevoe G. (See Guy, Frederick M., assignor.)
Muschler, Fred, Denville, N. J. Making copper plated shingles. 1,805,920; May 19.
Muscovitch, Alec S. (See McCallum, J. W., and Muscovitch.)
Musgrave, Joseph L., and E. Herring, London, England. Heating and cooling of buildings. 1,800,150; Apr. 7.
Musgrove, Charles A., and F. F. Benson, Chinook, Mont. Automatic stabilizer. 1,821,271; Sept. 1.
Musher, Sidney, Washington, D. C. Food product. 1,816,338; July 28.
Musher, Sidney, Baltimore, Md. Food product. 1,816,339; July 28.
Muskat, Louis R., assignor to Triangle Packaging Company, Chicago, Ill. Filling and sealing cartons. 1,791,104; Feb. 3.
Musselman, Alvin J., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Brake. 1,800,184; Apr. 7.
Musselman, Alvin J., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Pneumatic tire. 1,827,668; Oct. 13.
Musselman, Bert A., Des Moines, Iowa. Overhead automobile decking for railway cars. 1,805,881; May 19.
Musselman, C. H., Company, The. (See Miller, Edward D., assignor.)
Musselman, John, Orrtanna, Pa. Seed celling machine. 1,825,470; Sept. 29.
Musselwhite, Harry E., Portland, Oreg. Fluid motor. 1,835,173; Dec. 8.
Musselwhite, Harry E., assignor to Gas Turbine Co., Portland, Oreg. Air motor. 1,836,037; Dec. 15.
Mussey, William H. (See Carry, C., Mussey, and Blomberg.)
Mussey, William H., assignor to Pullman Car and Manufacturing Corporation, Chicago, Ill. Car underframe construction. 1,804,428; May 12.
Mussey, William H., assignor to Pullman Car and Manufacturing Corporation, Chicago, Ill. Clasp brake rigging. 1,807,575; May 26.
Mussey, William H., assignor to Pullman Car and Manufacturing Corporation, Chicago, Ill. Railway dump car. 1,827,997; Oct. 20.
Mussey, William H., assignor to Pullman Car and Manufacturing Corporation, Chicago, Ill. Shock absorber. 1,828,063; Oct. 20.
Mussey, William H., assignor to Pullman Car and Manufacturing Corporation, Chicago, Ill. Car window. 1,832,877; Nov. 24.
Mussey, William H., and H. A. Hellman, assignors to The Pullman Car & Manufacturing Corporation, Chicago, Ill. Conduit structure for railway cars. 1,803,482; May 5.
Mussler, Frank H. (See Bullard, E. C., and Mussler.)
Mussler, Frank H., assignor, by mesne assignments, to The Bullard Company, Bridgeport, Conn. Hydraulic change-speed gear mechanism. 1,794,472; Mar. 3.
Musslewhite, Clarence E., Houston, Tex. Vehicle. 1,821,395; Sept. 1.
Musso, Alfred, East Orange, N. J., assignor of one-half to W. P. Deppe, New York, N. Y. Electric furnace. 1,818,812; Aug. 11.
Mussy, William H., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Liquid-sealed pump. 1,801,447; Apr. 21.
Mustad, Hans C. H., assignor to O. Mustad & Son, Oslo, Norway. Manufacture of horseshoe nails. 1,814,952; July 14.
Mustad, O., & Son. (See Mustad, Hans C. H., assignor.)
Mustad, O., & Son. (See Topp, Mathias, assignor.)

Musto, Romeo J., assignor to The Quasi-Arc Company, London, England. Electric arc welding plant. 1,810,251; June 16.
Mustomatik Specialties, Inc. (See Coffin, Joseph G., assignor.)
Muth, Friedrich. (See Ballauf, F., Muth, and Schmelzer.)
Müth, Friedrich. (See Schmelzer, A., Müth, and Ballauf.)
Muth, Friedrich, Elberfeld, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Sulphur dyestuffs. 1,832,233; Nov. 17.
Muth, Friedrich, Elberfeld, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Sulphur dyestuffs. 1,832,234; Nov. 17.
Muth, Hans, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Indicator for telephony transmitters. 1,802,734; Apr. 28.
Muth, Karl, Dusseldorf, Germany. Certificate or coupon sheet for use in statistic machines. 1,836,332; Dec. 15.
Muther, Lorenz F. (See Hall, Clarence B., assignor.)
Muther, Lorenz F., Newton Center, Mass. Contact for electric circuits. 1,806,815; May 26.
Muther, Lorenz F., Newton Center, Mass. Support for measuring instruments. 1,822,500; Sept. 8.
Muther Manufacturing Company. (See Smith, Edward R., assignor.)
Mutschel, Oscar J., assignor to The De Vilbiss Company, Toledo, Ohio. Spraying device. 1,806,112; May 19.
Mutschel, Oscar J., and F. Custer, assignors to The De Vilbiss Company, Toledo, Ohio. Spraying device. 1,791,142; Feb. 3.
Mutscheller, Arthur, New York, N. Y., assignor to Wappler Electric Company, Inc. Constant high potential generator. 1,823,463; Sept. 15.
Mutter, Karl, Triptis, Germany. Loom. 1,799,860; Apr. 7.
Mutual-Sunset Lamp Mfg. Co. (See Collins, Frank, assignor.)
Muzyn, Clemens, Gary, Ind. Storage apparatus. 1,799,923; Apr. 7.
Muzyn, Clemens, Gary, Ind. Storage apparatus. 1,799,924; Apr. 7.
Muzzio, James A., assignor to R. S. Muzzio, Cleveland, Ohio. Tumbler lock and key therefor. 1,832,498; Nov. 17.
Muzzio, Joseph P., assignor to The Four-Way Lock Company, Cleveland, Ohio. Hasp. 1,799,861. Apr. 7.
Muzzio, Rosa S. (See Muzzio, James A., assignor.)
Muzzy, William H., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Engine-operated fuel pump. 1,799,434; Apr. 7.
Muzzy, William H., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Gasoline reserve signal for automobiles. 1,812,012; June 30.
Muzzy, William H., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Fuel feeding system for internal combustion engines. 1,812,013; June 30.
Muzzy, William H., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Limited suction feed device. 1,812,014; June 30.
Muzzy, William H., Evanston, Ill., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Overflow and steam indicator for automobiles. 1,834,797; Dec. 1.
Muzzy, William H., Evanston, Ill., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Indicating the thermal conditions of vehicle motors. 1,839,116; Dec. 29.
Mycalex (Parent) Company. (See Crossley, Percy B., assignor.)
Myer, Fred C., Sacramento, Calif. Coin selector. 1,812,165; June 30.
Myer, Fred C., Sacramento, Calif. Vending machine. 1,830,805; Nov. 10.
Myer, Fred C., Sacramento, Calif. Vending machine. 1,830,806; Nov. 10.
Myer, Fred C., Sacramento, Calif. Vending machine. 1,830,807; Nov. 10.
Myer, James G., Big Springs, W. Va. Gasoline economizer for motors. 1,798,027; Mar. 24.
Myers, Benjamin C., Trenton, N. J. Advertising novelty. Des. 85,113; Sept. 15.
Myers, Charles F., Baltimore, Md. Vent head. 1,831,718; Nov. 10.
Myers, Chester G., assignor to Leschey Myers Cigar Box Company, York, Pa. Cigar box. 1,833,469; Nov. 24.
Myers, Clair A., assignor to The Kontol Company, Dallas, Tex. Treatment of oil and water emulsions. 1,837,130; Dec. 15.
Myers, Cornelius T., Rahway, N. J. Transferring lubricant. 1,830,480; Nov. 3.
Myers, Don D., assignor, by mesne assignments, to The Tillotson Manufacturing Company, Toledo, Ohio. Liquid-level indicator. 1,792,754; Feb. 17.
Myers, Don D., assignor, by mesne assignments, to The Tillotson Manufacturing Company, Toledo, Ohio. Diaphragm pump. 1,792,920; Feb. 17.
Myers, Earl M., Mount Holly Springs, Pa. Combined match holder and burnt match receiver. 1,837,131; Dec. 15.
Myers, Edgar W., Los Angeles, Calif. Apparatus for amalgamating metals. 1,794,090; Feb. 24.
Myers, Eva V. (See Bender, H. W., and Myers.)
Myers, F. E., and Bro. Company, The. (See Myers, Philip A., assignor.)
Myers, Fred, Fallbrook, Calif. Packing stands. 1,832,410; Nov. 17.
Myers, Frederick J., Kansas City, Kans. Hydraulic riveting and bending machine. 1,828,874; Oct. 27.
Myers, George D., assignor to The Edwards Manufacturing Company, Cincinnati, Ohio. Traffic marker. 1,802,924; Apr. 28.
Myers, George D., W. A. Edwards and J. W. Hobing, assignors to The Edwards Manufacturing Company, Cincinnati, Ohio. Traffic marker. 1,803,635; May 5.
Myers, George D., Cincinnati, and S. Richmond, Batavia, assignors to The Edwards Manufacturing Company, Cincinnati, Ohio. Shank support. 1,823,282; Sept. 15.
Myers, George H., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,808,505; June 2.
Myers, Glenn H. (See Maker, D. L., and Myers.)
Myers, Grace L., executrix. (See Schwendner, A. F., and Myers, assignors.)
Myers, Gus, Fargo, N. Dak. Auto signal. 1,811,555; June 23.
Myers, Guy M., Clarendon, Va., assignor to The Standard Stoker Company, Incorporated. Fuel distributing system for stokers. 1,821,068; Sept. 1.
Myers, Harold L., Morristown, N. J., assignor to Eberhard Faber Pencil Co., Brooklyn, N. Y. Display tag. 1,832,318; Nov. 17.
Myers, Harry L. (See Wolfe, H. H., and Myers.)
Myers, Harry L., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Bench sander. Des. 83,121; Jan. 20.
Myers, Harry L., assignor to The American Floor Surfacing Machine Co., Toledo, Ohio. Casing, motor, and handle ensemble for a drum sanding machine. Des. 85,664; Dec. 1.
Myers, Harry L., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Base machine. 1,795,262; Mar. 3.
Myers, Hubert A., Toledo, Ohio. Door buffer. 1,796,388; Mar. 17.
Myers, Hubert A., Toledo, Ohio. Toy. 1,813,252; July 7.
Myers, Hubert A., assignor of one-half to A. S. Hickok, Toledo, Ohio. Sound instrument. 1,814,730; July 14.
Myers, Hubert A., assignor of one-half to A. S. Hickok, Toledo, Ohio. Pavement construction. 1,827,823; Oct. 20.
Myers, Hubert A., assignor to The Myers Regulator Company, Toledo, Ohio. Window regulator for automobiles. 1,833,615; Nov. 24.
Myers, James L., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Grooved bearing. 1,807,166; May 26.
Myers, John S. (See Schwender, A. F., and Myers.)
Myers, John S., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governor. 1,814,630; July 14.
Myers, John T., St. Andrews, Fla. Distilling plant. 1,795,404; Mar. 10.
Myers, Joseph W., Jackson, Mich. Thermostatic apparatus. 1,793,954; Feb. 24.
Myers, Joseph W., Jackson, Mich. Process and apparatus to be used in printing photographs from negatives. 1,818,003; Aug. 11.
Myers, Joseph W., and R. J. Wilkinson, Jackson, Mich. Automatic iris for cameras. 1,813,635; July 7.
Myers, L. A., jr. Inc. (See Myers, W. L., and Harrison, assignors.)
Myers, Latimer D., Cincinnati, Ohio, assignor to The Twitchell Process Company, St. Bernard, Ohio. Sulphonating mineral oil. 1,824,615; Sept. 22.
Myers, Leonidas H., Seymour, Ind. Deadfall trap. 1,794,240; Feb. 24.
Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,818,860; Aug. 11.
Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,836,863; Dec. 15.
Myers, Lewis C., Freeport, and G. F. Handley, Glendale, assignors to Royal Typewriter Company, Inc., New York, N. Y. Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. Re18,158; Aug. 18.
Myers, Lewis E., and N. S. Amstutz, Valparaiso, Ind., assignors, by mesne asignments, to The Northern Trust Company and H. H. Rockwell as trustees. Slide-on desk and adjustable table. 1,798,893; Mar. 31.
Myers, Luther B., Warren, Ohio. Dead end clamp. 1,818,571; Aug. 11.
Myers, Max A., Scranton, Pa., assignor to Scranton Glass Instrument Company. Correction table for thermohydrometers. 1,831,315; Nov. 10.
Myers, Philip A., assignor to The F. E. Myers and Bro. Company, Ashland, Ohio. Power head for pumps. 1,811,092; June 23.
Myers, Philip A., assignor to The F. E. Myers and Bro. Company, Ashland, Ohio. Power head for pumps. 1,813,309; July 7.
Myers, Philip A., assignor to The F. E. Myers & Bro. Company, Ashland, Ohio. Power head. 1,816,191; July 28.
Myers Regulator Company, The. (See Myers, Hubert A., assignor.)
Myers, Robert R., Los Angeles, Calif., assignor, by mesne assignments, to The Clean-Be-Tween Tooth Brush Corporation. Toothbrush. 1,835,319; Dec. 8.

Myers, Robert R., Las Vegas, Nev., assignor, by mesne assignments, to The Clean-Be-Tween Toothbrush Corporation. Brush. 1,835,320; Dec. 8.
Myers, Thomas G., assignor to U. S. Electrical Manufacturing Company, Los Angeles, Calif. Vertical electric motor. Des. 84,049; Apr. 28.
Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Embroidering machine. 1,791,321; Feb. 3.
Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stop-motion device for sewing machines. 1,791,322; Feb. 3.
Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-loop-cutting device. 1,793,866; Feb. 24.
Myers Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine work-support. 1,809,390; June 9.
Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 1,825,634; Sept. 29.
Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Pile fabric article and producing the same. 1,825,635; Sept. 29.
Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Zigzag-stitch sewing machine. 1,830,126; Nov. 3.
Myers, Walter L. (See Griffith, W. A., and Myers.)
Myers, William L., Newark, and G. D. Harrison, Belleville, assignors to L. A. Myers, jr., Inc., Newark, N. J. Buckle. 1,805,882; May 19.
Myers, William M., Dayton, Ohio. Refrigerator hinge. Des. 83,694; Mar. 17.
Myers, William M., Dayton, Ohio. Refrigerator latch. Des. 83,695; Mar. 17.
Myers, Wilson R., assignor to Ice Cream Smack Products Co., New York, N. Y. Cylinder-forming machine. 1,795,668; Mar. 10.
Mygas, Nicholas M., West Orange, N. J. Spring tire. 1,794,529; Mar. 3.
Myhre, Alvin, Colorado, Tex. Shingle clip. 1,814,405; July 14.
Mylius, Walter G. (See Bradshaw, W., and Mylius.)
Mylius, Walter G. (See La Bar, B. G., and Mylius.)
Mylius, Walter G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Mounting construction for meters. 1,806,306; May 19.
Mylius, Walter G., Summit, and B. G. La Bar, Union, N. J., assignors to Westinghouse Electric and Manufacturing Company. Casing for meters. Des. 83,740; Mar. 24.
Mylius, Walter G., Summit, and B. G. La Bar, Union, N. J., assignors to Westinghouse Electric and Manufacturing Company. Induction meter device. 1,818,151; Aug. 11.
Myracle, Hobart M., assignor to American Iron and Machine Works Company, Oklahoma City, Okla. Method and apparatus for making emergency pipe connections. 1,831,878; Nov. 17.
Myre, Nathan, Toledo, Ohio. Amusement device. 1,816,190; July 28.
Myrick, Lockwood, Jr., Honolulu, Hawaii. Internal combustion engines. 1,827,482; Oct. 13.
N & H Spreaders, Inc. (See Naber, C. H., and Holliday, assignors.)
N. T. Artificial Wool Company. (See Viallet, Joseph, assignor.)
N. V. De Bataafsche Petroleum Maatschappij. (See Moser, Franz R., assignor.)
N. V. Instituut voor Aero en Hydro-Dynamiek. (See Flettner, Anton, assignor.)
N. V. Internationale Automaten Maatschappij, la Lange Voorhout. (See Wetzell, C., and Inhoffen, assignors.)
N. V. Internationale Spinpot Exploitatie Maatschappij. (See Crull, Rento W. H. H., assignor.)
N. V. Maatschappij tot Beheer en Exploitatie van Octrooien. (See Genenger, Richard, assignor.)
N. V. Philips, Gloeilampenfabrieken. (See Bouwers, Albert, assignor.)
N. V. Phillips' Gloeilampenfabrieken. (See De Boer, Jan H., assignor.)
N. V. Philips Gloeilampenfabrieken. (See Dijksterhuis, Popko R., assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Mulder, J. G. W., and Oosterhuis, assignors.)
N. V. Philips' Gloeilampenfabrieken. (See Schoonenberg, Pancras, assignor.)
Naab, George F., assignor to The North American Manufacturing Company, Cleveland, Ohio. Proportioning valve. 1,812,015; June 30.
Naamlooze Vennootschap, Bakovenbouw V. H. P. (See den Boer, Marinus M., assignor.)
Naamlooze Vennootschap Bakovenbouw voorheen H. P. den Boer. (See Pelkman, Johannes H. N., assignor.)
Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij. (See Al, Jan, assignor.)
Naamlooze Vennootschap De Bataafoche Petroleum Maatschappij. (See Al, J., and Moser, assignors.)
Naamlooze Venootschap De Bataafsche Petroleum Maatschappij. (See Straatman, Alphons G. H., assignor.)
Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij. (See van Keulen, Godefridus H. C., assignor.)
Naamlooze Vennootschap "Delta" Maatschappij voor Commercielle en Industrielle Financiering, Société de Crédit Commercial et Industriel. (See Einstein, Max, assignor.)
Naamlooze Vennootschap: Electro Zuurstofen Waterstofabriek. (See de Liefde, Willem C., assignor.)
Naamlooze Vennootschap: Glasfabriek "Leerdam" vorrheen Jeekel, Mijnssen & Co. (See Janzen, Jetze W., assignor.)
Naamlooze Vennootschap Hollandsche Industrieen Handelmaatschappij. (See Schmidt, Leopold, assignor.)
Naamlooze Vennootschap Internationale Automaten-Maatschappij. (See Hennemann, A., and Inhoffen, assignors.)
Naamlooze Vennottschap Internationale Handelsvereeniging. (See Haalmeijer, J. D., Haalmeijer, and van de Reijden, assignors.)
Naamlooze Vennootschap Internationale Octrooi Maatschappij "Octropa." (See Van Niel, Cornelis B., assignor.)
Naamlooze,Vennootschap "Kamatec." (See Stuivenberg, Cornelis H., assignor.)
Naamlooze Vennootschap: Koninklijke Maatschappij de Schelde Scheepsbouw-en Werktuigenfabriek. (See Gunning, Maximiliaan F., assignor.)
Naamlooze Vennootschap Maatschappi tot Vervaardiging van Snipmachines volgens Van Berkel's Patent en van andere Werktuigen. (See van Berkel, Cornelis F. M., assignor.)
Naamlooze Vennootschap Maatschappij tot Vervaardiging van Snijmachines volgens van Berkel's Patent en van andere Werktuigen. (See Van Berkel, C. F. M., and Van Duyn, assignors.)
Naamlooze Vennootschap Maatschappij tot Veraardiging van Snijmachines volgens Van Berkel's Patent en van andere Wehktuigen. (See Van Buyn, Adrianus, assignor.)
Naamlooze Vennootschap Maatschappij tot Vervaardiging van Snijmachines volgens van Berkel's Patent en van audere Werktuigen. (See Van Duyn, Adriancs, assignor.)
Naamlooze Vennootschap Nederlandsche Gruyere-Blokmelk Fabriek. (See Born, Philipp, assignor.)
Naamlooze Venootschap Nederlandsche Kabelfabriek. (See Proos, Cornelis F., assignor.)
Naamlooze Vennootschap Philips' Gloeilampenfabreiken. (See Holst, G., and Dijksterhuis, assignor.)
Naamlooze Vennootschap Philips' Gloeilampenfabrieken. (See Van Arkel, A. E., and Bruijnes, assignors.)
Naber, Claude H., and C. Holliday, assignors to N & H Spreaders, Inc., Hamburg, N. Y. Road spreader. 1,838,631; Dec. 29.
Nabona, Yosmite, and W. B. Chapman, El Paso, Colo. Airplane landing field and remote-control means therefor. 1,793,744; Feb. 24.
Nabstedt, Arthur T., Hamden, assignor to The Snow & Petrelli Manufacturing Company, New Haven, Conn. Reverse gear. 1,832,467; Nov. 17.
Nachman, Fred A. (See Suekoff, Louis A., assignor.)
Nachman Spring-Filled Corporation. (See Suekoff, Louis A., assignor.)
Nachod and United States Signal Co. et al. (See Richterkessing, Frank H., assignor.)
Nachtigal, Daniel, Hibbing, Minn. Broom holder. 1,798,028; Mar. 24.
Nachtigall, Richard J., assignor of two-fifths to A. Mikulka, Philadelphia, Pa. Fireplace cabinet. Des. 84,359; June 9.
Nachtigall, Richard J., assignor of two-fifths to A. Mikulka, Philadelphia, Pa. Fireplace cabinet. Des. 84,360; June 9.
Nachtigall, Richard J., assignor of two-fifths to A. Mikulka, Philadelphia, Pa. Fireplace cabinet. Des. 84,361; June 9.
Nachtsheim, Peter, New York, N. Y. Valve. 1,815,113; July 21.
Nachtsheim, Peter, New York, N. Y. Swinging joint. 1,830.711; Nov. 3.
Nachtsheim, Peter, Sellers, La. Valve. 1,830,710; Nov. 3.
Nacker, Owen M., Pleasant Ridge, assignor to General Motors Corporation, Detroit, Mich. Ignition coil mount. 1,832,848; Nov. 24.
Naddaff, Naseeb A., Boston, Mass. Indicator. 1,809,723; June 9.
Nadeau, Albert N. (See Jones, L. E., and Nadeau.)
Nadeau, Armand, and J. P. Pepin, Haverhill, Mass. Game apparatus. 1,796,937; Mar. 17.
Nadeau, Joseph, Portland, Oreg. Rigging hook. 1,803,401; May 5.
Nadel, Louis, assignor to Pierce Steel Pile Corporation, New York, N. Y. Composite pile. 1,805,253; May 12.
Nadeo, James, assignor of twenty per cent to M. Speyer, ten per cent to J. J. Newman, and five per cent to J. A. Lyons, Cleveland, and five per cent to H. Brunl, Alliance, Ohio. Cheese and butter cutter. 1,796,212; Mar. 10.
Nador, Ernest, St. Louis, Mo. Boat. 1,794,417; Mar. 3.
Næsheim, Albert, Eidfjord, Norway. Gas pedal. 1,822,055; Sept. 8.
Nagai, Kenzo. (See Nukiyama, H., and Nagai.)
Nagai, Shoichiro, Hongo-Ku, Tokyo, and K. Kawamura, Kyobashi-Ku, Tokyo, assignors to Gosuke Imai, Tokyo-Fu, Japan. Special mixed cement of a high grade strength. 1,821,565; Sept. 1.
Nagano, Yasuhiko, Los Angeles, Calif. Can opener. 1,802,443; Apr. 28.
Nagano, Yasuhiko, Los Angeles, Calif. Nut lock. 1,816,192; July 28.
Nagel-Chase Manufacturing Company, The. (See Schultz, Edward, assignor.)

Nagel, Friedrich L. (See Nagel, Wilhelm R. and F. L.)
Nagel, George E., Columbus, Ohio. Armored reenforced concrete slab. 1,809,756; June 9.
Nagel, George E., Columbus, Ohio. Concrete fence post. 1,809,757; June 9.
Nagel, George E., Columbus, Ohio. Railway crossing. 1,812,707; June 30.
Nagel, Harry C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Locking device. 1,811,474; June 23.
Nagel, Otto, and W. Kaempfer, Durlach, assignor to Badische Maschinenfabrik & Eisengiesserei vormals G. Sebold und Sebold & Neff, Durlach, Bade, Germany. Conduit for projecting sand. 1,829,291; Oct. 27.
Nagel, W. R., & Company. (See Nagel, Wilhelm R. and F. L., assignors.)
Nagel, Wilhelm R. and F. L., assignors to W. R. Nagel & Company, Paducah, Ky. Curing tobacco. 1,827,707; Oct. 13.
Nägele, Georg, Ittlingen, Germany. Apparatus for agitating the air. 1,831,682; Nov. 10.
Nagelvoort, Adriaan, assignor to Delaware Chemical Engineering Company, Wilmington, Del. Sound reproducing means. 1,802,826; Apr. 28.
Nagelvoort, Adriaan, Lick Run, Va. Separation of minerals. 1,839,117; Dec. 29.
Nagelvoort, Adriaan, assignor to Delaware Chemical Engineering Company, Wilmington, Del. Sound reproducing means. 1,832,832; Nov. 17.
Nagl, William C., Aurora, Oreg. Electric switch. 1,796,612; Mar. 17.
Nagle, Claude, Elmira, N. Y., assignor to Hartford-Empire Company, Hartford, Conn. Windshield for leers. 1,803,032; Apr. 28.
Nagle, March E., Chicago Heights, Ill., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Glass-stopper machine. 1,797,920; Mar. 24.
Nagle, Peter J., Rochester, N. Y. Coin bank. 1,832,411; Nov. 17.
Nagler, Forrest, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic apparatus. 1,823,624; Sept. 15.
Nagoa, Kikuro, Kamisonocho, Nishiku, Nagoya, Japan. Door opening and shutting device for automobiles. 1,806,488; May 19.
Nagy, Peter M., assignor, by mesne assignments, to Transue and Williams Steel Forging Corporation, Alliance, Ohio. Swivel caster. 1,796,044; Mar. 10.
Nagy, Steve, Woodbridge, N. J. Joint chair and rail lock. 1,805,590; May 19.
Nahon, James M., Madrid, Spain. Nonskid device for boots and shoes. 1,806,212; May 19.
Naim, Felix, Detroit, Mich. Aircraft. 1,800,744; Apr. 14.
Nair, Archie F. and H., Glendale, Calif. Rescue bell for rescue work on sunken submarines. 1,834,798; Dec. 1.
Nair, Hobert. (See Nair, Archie F. and H.)
Naismith, Donald M. (See Naismith, George and D. M.)
Naismith, George and D. M., Pittsburgh, Pa., assignors to said D. M. Naismith. Furnace. Re18,308; Dec. 29.
Naismith, George and D. M., Pittsburgh, Pa., assignors to D. M. Naismith. Furnace. 1,805,001; May 12.
Naisuler, Solomon, and J. Hecht, Boston, Mass., assignors to The National Fire Door and Copper Store Front Company. Store-front construction. 1,799,115; Mar. 31.
Naito, Hide, Portland, Oreg. Hair clip. 1,798,487; Mar. 31.
Nakagwa, Harry, assignor of one third to A. B. Webster, Tanana, Alaska. Snare. 1,800,095; Apr. 7.
Nakagawa, Shoichi, San Jose, Calif. Collapsible mousetrap. 1,820,579; Aug. 25.
Nakagawa, Yoshio, Broderick, Calif. Engine. 1,814,489; July 14.
Nakahara, Sadayoshi, New York, N. Y. Clip for fountain pens or the like. 1,800,029; Apr. 7.
Nakahara, Sadayoshi, New York, N. Y. Rotary calendar. 1,835,514; Dec. 8.
Nakahara, William, San Francisco, Calif. Combined lamp base and switch. Des. 83,241; Feb. 3.
Nakanishi, Kinjiro, Fukuoka, Japan. Photoelectrically controlled pattern apparatus. 1,822,306; Sept. 8.
Nakashian, Karnik, Brooklyn, N. Y. Rubber binding for uniform suits and the like. 1,816,652; July 28.
Nakdimen, Iser H., et al. (See Martin, William O., assignor.)
Nakkerud, Trygve B., Seattle, Wash. Expressman's truck. 1,824,786; Sept. 29.
Nalle Charles R. (See Kemme, Joseph, assignor.)
Nameche, Gustavus J. (See Evans, A. E., and Nameche.)
Namur, Joseph, Kenosha, Wis., assignor to Specialty Brass Company. Sanitary centrifugal milk pump. 1,809,526; June 9.
Nance, Charles W., London, England. Treatment of hides for the production of leather. 1,832,235; Nov. 17.
Nandillon, Albert E. G., Cherbourg, France, and A. E. Cottet, Brussels, Belgium. Electromechanical vibrator. 1,819,964; Aug. 18.
Nanfeldt, William, assignor to World Bestos Corporation, Paterson, N. J. Detector. 1,803,724; May 5.
Nanfeldt, William, assignor to World Bestos Corporation, Paterson, N. J. Transmission lining. 1,810,723; June 16.
Nanji, Dinshaw R., Headingley, Leeds, assignor of one-half to Duncan Maybury Stewart, London, England. Treatment of plant materials in the preparation of fibers. 1,796,718; Mar. 17.
Nanji, Dinshaw R., assignor of one-half to D. M. Stewart, London, England. Manufacture of textile yarns. 1,796,719; Mar. 17.
Nanstiel, William F., et al. (See Jones, William R., assignor.)
Nanterme, Joseph, Lyon, France. Machine for folding or plaiting fabrics. 1,827,160; Oct. 13.
Napier, George R., Cleveland, Ohio. Woodworking machine. 1,803,402; May 5.
Napier, Melvin J., Akron, Ohio. Fluid transmission. 1,797,439; Mar. 24.
Napier, Melvin J., Akron, Ohio. Toy and securing means therefor. 1,814,055; July 14.
Napolitano, Ernesto B., Detroit, Mich. Shoe press. 1,805,182; May 12.
Narath, Albert, Berlin, Germany, assignor to General Electric Company. Kerr cell. 1,814,843; July 14.
Narbo, Lauritz Martin, Brooklyn, N. Y. Dispensing device. 1,806,363; May 19.
Nardin, Celestin F., Brooklyn, N. Y. Fuel valve. 1,821,396; Sept. 1.
Nardone, Frank, Philadelphia, Pa. Musical instrument. 1,797,921; Mar. 24.
Naromore, Glenn C. (See Belden, A. G., and Naromore.)
Narrow Fabric Co., The. (See Plumb, Frederic W., assignor.)
Nasalets Inc. (See Brennan, Edward J., assignor.)
Nash, Archibald F., Kingston Hill, Surrey, England. Crane, derrick, shear leg, and like lifting devices. 1,795,405; Mar. 10.
Nash, Archibald F., Kingston Hill, Surrey, England. Crane, derrick, shear leg, and like lifting device. 1,795,406; Mar. 10.
Nash, Benjamin S., Short Hills, N. J., assignor to The Stearns & Foster Company, Lockland, Ohio. Textile fabric. Des. 83,056; Jan. 13.
Nash, Charles J., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Shock absorber. 1,787,588; Jan. 6.
Nash, Charles J., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Railway brake. 1,804,475; May 12.
Nash, Charles J., and H. E. Bartsch, Chicago, Ill., assignors to Universal Draft Gear Attachment Co. Brake operating mechanism. 1,804,179; May 5.
Nash, Charles J., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Slack adjuster for railway car brakes. 1,834,105; Dec. 1.
Nash Engineering Company. (See Adams, Harold E., assignor.)
Nash Engineering Company. (See Jennings, Irving C., assignor.)
Nash Engineering Company. (See Singleton, Arthur B., assignor.)
Nash, Frank L., and J. E. Cox, Rosemary, N. C. Spray nozzle. 1,834,634; Dec. 1.
Nash, Henry E., and L. W. Babcock, Kenvil, N. J., assignors to Hercules Powder Company, Wilmington, Del. Blasting cap. 1,800,954; Apr. 14.
Nash, John M., Milwaukee, Wis. Finishing and polishing machine. 1,823,625; Sept. 15.
Nash, Joseph. (See Golod, Maurice P., assignor.)
Nash, Joseph H., Narberth, Pa., assignor to Johns-Manville Corporation, New York, N. Y. Sound absorbing material. 1,832,571; Nov. 17.
Nash Motors Company, The. (See Gunn, Earl G., assignor.)
Nashold, Leslie B. (See Peterson, J. C., and Nashold.)
Nashua Gummed & Coated Paper Company. (See Gautier, Trevor R., assignor.)
Nashua Manufacturing Company. (See Bonnaud, P., and Jourdan, assignors.)
Nashua Manufacturing Company. (See Caffray, William E., assignor.)
Nashua Manufacturing Company. (See Knowland, Richard G., assignor.)
Nashua Manufacturing Company. (See Knowland, R. G., and Kosak, assignors.)
Nashua Sure-Hold Company. (See Wilson, Edward W., assignor.)
Nasmith, John I., Eltham, and W. Kirby, Barnes, London, assignors to Vickers-Armstrongs Limited, London, England. Feeding of sheets of cardboard or other material. 1,795,436; Mar. 10.
Nasmith, John W., Heaton Mersey, Manchester, England. Combing machine for textile fibres. 1,827,689. Oct. 13.
Nasmith, John W., Heaton Mersey, England. Combing machine. 1,828,377; Oct. 20.
Nasmyth, Charles S., Sydney, New South Wales, Australia. Flush valve. 1,812,301; June 30.
Nason, Charles H. W., New York, N. Y., assignor to Jenkins Television Corporation, Jersey City, N. J. Electro-optical translation system. 1,828,875; Oct. 27.
Nason, Willis R., St. Paul, Minn. Combination canteen and mess kit. 1,809,596; June 9.
Nastri, Matthew, Akron, Ohio. Resilient automobile fender. 1,827,435; Oct. 13.
Nastukoff, Alexander M., Moscow, Union of Socialist Soviet Republics. Production of synthetic dressing or tanning materials. 1,806,910; May 26.

Nastukoff, Alexander M., Moscow, Union of Socialist Soviet Republics. Plastic composition. 1,827,558; Oct. 13.
Natalis, Friedrich, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric and Manufacturing Company. Oil immersed fuse. 1,829,604; Oct. 27.
Nath, Carl A., et al. (See Wooley, Ernest G., assignor.)
Nathan, Benjamin, assignor to Foremost Fabrics Corporation, New York, N. Y. Textile fabric. Des. 83,562; Mar. 3.
Nathan, Benjamin, assignor to Foremost Fabrics Corporation, New York, N. Y. Textile fabric. Des. 83,563; Mar. 3.
Nathan, Benjamin, assignor to Foremost Fabrics Corporation, New York, N. Y. Textile fabric. Des. 83,564; Mar. 3.
Nathan, Benjamin, assignor to Foremost Fabrics Corporation, New York, N. Y. Textile fabric. Des. 83,565; Mar. 3.
Nathan, Charles S. (See Gates, C. J., jr., Nathan, and McDonough.)
Nathan Manufacturing Company. (See Beattie, Daniel S., assignor.)
Nathan Manufacturing Company. (See Sharp, John C., assignor.)
Nathanson, Isidore. (See Rodstein, H., and Nathanson.)
Nathe, Charles G., jr., Minneapolis, assignor to Marquette Manufacturing Company, St. Paul, Minn. Tire changer jaw holding means. 1,813,310; July 7.
Nathorst, Harry J. H., assignor to Aktiebolaget Nordiska Armaturfabrikerna, Stockholm, Sweden. Pressure can. 1,820,948; Sept. 1.
National Accessories Corporation. (See Russell, John K., assignor.)
National Acme Company, The. (See Drissner, Alfred E., assignor.)
National Acme Company, The. (See Drissner, A. E., and Garey, assignors.)
National Acme Company, The. (See Hogg, W. J., and Newmann, assignors.)
National Acme Company, The. (See Trobeck, Olof E., assignor.)
National Aircraft Co. (See Streichert, Bertha, assignor.)
National Airoil Burner Company. (See Ferguson, William, assignor.)
National Alloys Co. (See Collins, J. G., and Reardon, assignors.)
National Aluminate Corporation. (See Kensig, Louis D., assignor.)
National Aluminate Corporation. (See Kern, H. A., and Fink, assignors.)
National Aluminate Corporation. (See Rudolfs Willem, assignor.)
National Aniline & Chemical Company. (See Dewey, Charles S., assignor.)
National Aniline & Chemical Company. (See Ellzey, Esco F., assignor.)
National Aniline & Chemical Co. (See Foster, Harold B., assignor.)
National Aniline & Chemical Co. (See Geller, Leon W., assignor.)
National Aniline & Chemical Co. (See Heritage, C. C., and Thornton, assignors.)
National Aniline & Chemical Co. (See Jewett, J. E., and Meyers, assignors.)
National Aniline and Chemical Co. (See Kiplinger, Clarence G., assignor.)
National Aniline & Chemical Company. (See Kladivko, Hugo, jr., assignor.)
National Aniline & Chemical Co. (See Kyrides, Lucas P., assignor.)
National Aniline & Chemical Company. (See Lyford, Chauncey A., assignor.)
National Aniline & Chemical Co. (See Masterson, Theodore L., assignor.)
National Aniline & Chemical Co. (See Meyers, Sidney E., assignor.)
National Aniline & Chemical Co. (See Murch, Wilfred M., assignor.)
National Aniline & Chemical Company. (See Perkins, Robert L., assignor.)
National Aniline & Chemical Company. (See Ralph, Walter M., assignor.)
National Aniline & Chemical Company. (See Spalding, William L., assignor.)
National Aniline & Chemical Company. (See Thornton, Irving T., assignor.)
National Aniline & Chemical Co. (See Wait, Justin F., assignor.)
National Aniline and Chemical Company. (See West, Byron L., assignor.)
National Aniline & Chemical Company. (See Wood, Robert O., and West, assignors.)
National Aniline & Chemical Co., Inc. (See Heritage, Clark C., assignor.)
National Aniline & Chemical Company Inc. (See Zwilgmeyer, Frithjof, assignor.)
National Automatic Doughnut Machine Company. (See Roehl, Frank M., assignor.)
National Automatic Doughnut Machine Company. (See Roehl, F. M., and Toews, assignors.)
National Automatic Machines Company, The. (See Moyer, Amos F., assignor.)
National Automatic Tool Company, The. (See Galloway, Robert M., assignor.)
National Automatic Tool Company, The. (See Muhl, Charles H., assignor.)
National Automatic Tool Company, The. (See Peters, Frebert J., assignor.)
National Automotive Fibres. (See Brintnall, F. W., and Ross., assignors.)
National Automotive Fibres, Inc. (See Ross, F. N., and Ratley, assignors.)
National Automotive Fibres, Inc. (See Stack, Maurice J., assignor.)
National Automotive Fibres, Inc., of Delaware. (See Stack, Maurice J., assignor.)
National Auto Tag Seal Corporation. (See Kiger, Luther J., assignor.)
National Bearing Metals Corporation. (See Crawford, Samuel W., assignor.)
National Bearing Metals Corporation. (See Vigne, Albert, assignor.)
National Benzole Association. (See Hoffert, Wilfred H., assignor.)
National Biscuit Company. (See Davidson, Bruce J., assignor.)
National Biscuit Company. (See Hauge, Oscar, assignor.)
National Blank Book Company. (See Schade, Frank S., assignor.)
National Blank Book Company. (See Schade, John, assignor.)
National Brake Company Incorporated. (See Brewster, William D., assignor.)
National Brake & Electric Company. (See Beimling, W. A., and Peterson, assignors.)
National Brass Company. (See Dexter, Lucien A., assignor.)
National Brass Company. (See Knapp, Edward L., assignor.)
National Brass & Copper Co., The. (See Hempstead, George A., assignor.)
National Brass Manufacturing Company. (See Wray, Charles F, assignor.)
National Bread Wrapping Machine Company. (See Sevigne, Henri A., assignor.)
National Brick Company. (See Therrien, Arthur J., assignor.)
National Bureau of Location and Statistics. (See Rebentisch, Grover A., assignor.)
National Canners Association. (See Kohman, Edward F., assignor.)
National Cantube Corporation Inc. (See Grimes, James E., assignor.)
National Carbon Company. (See Birdsall, Wilfred T., assignor.)
National Carbon Company. (See Chaney, Newcomb K., assignor.)
National Carbon Company. (See Crouse, George B., assignor.)
National Carbon Company. (See Dittrick, C. H., and Chaney, assignors.)
National Carbon Company. (See Gillingham, C. A., and Pflug, assignors.)
National Carbon Company. (See Graubner, Herman G., assignor.)
National Carbon Company. (See Heise, George W., assignor.)
National Carbon Company. (See Heise, G. W., and Schumacher, assignors.)
National Carbon Company. (See Jones, Homer W., assignor.)
National Carbon Company. (See Jones, H. W., and Graubner, assignors.)
National Carbon Company. (See Jones, H. W., and Miley, assignors.)
National Carbon Company. (See Ka Dell, Harold W., assignor.)
National Carbon Company. (See McQueer, Bert H., assignor.)
National Carbon Company. (See Ray, Arthur B., assignor.)
National Carbon Company. (See Smith, Ralph R., assignor.)
National Carbon Co. (See Strohl, E. J., and Smith, assignors.)
National Carbon Co. (See Williford, Edward A., assignor.)
National Carbon Company. (See Wright, Charles A., assignor.)
National Carbon Company. (See Yngve, Victor, assignor.)
National Carbon Company, Inc. (See Graubner, Herman G., assignor.)
National Cash Register Company. (See Brand, Samuel, assignor.)
National Cash Register Company, The. (See Fuller, Frederick L., assignor.)
National Cash Register Company, The. (See Goldberg, Maximilian M., assignor.)
National Cash Register Company, The. (See Haas, Fred S., assignor.)
National Cash Register Company, The. (See Kropff, Wilhelm, assignor.)
National Cash Register Company, The. (See Rawler, Jean, assignor.)
National Cash Register Company, The. (See Rist, Adolf, assignor.)
National Cash Register Company, The. (See Robertson, William H., assignor.)

National Cash Register Company, The. (See Sburlino, Pascal, assignor.)
National Cash Register Company, The. (See Shipley, Bernis M., assignor.)
National Cash Register Company, The. (See Skane, James F., assignor.)
National Cash Register Company, The. (See Towers, Charles H., assignor.)
National Cash Register Company, The. (See Von Pein, Edward J., assignor.)
National Cash Register Company, The. (See Von Pein, E. J., and Roux, assignors.)
National Cash Register Company, The. (See Warner, Edgar, assignor.)
National Cellulose Corporation. (See Wandel, Kurt, assignor.)
National Chemical Products Company, The. (See Donovan, Bernard S.)
National City Bank, The, executor. (See Monschein, Robert, assignor.)
National City Bank of New York City, The, et al., coexecutors. (See Mills, Chester B., assignor.)
National Cold Steam Company. (See Bird, Robert M., assignor.)
National Cold Steam Company. (See Shepherd, John E., assignor.)
National Container Corporation. (See Ginsberg, Harry, assignor.)
National Dry Kiln Company, The. (See Krick, Arthur E., assignor.)
National Electric Products Corporation. (See Calderwood, Hugh A., assignor.)
National Electric Products Corporation. (See Clayton, Martin M., assignor.)
National Electric Products Corporation. (See Frederickson, Otto A., assignor.)
National Electric Products Corporation. (See Fullman, James M. G., assignor.)
National Electric Products Corporation. (See Fullman, J. M. G., and Lutz, assignors.)
National Electric Products Corporation. (See Lamont, Neil C., assignor.)
National Electric Products Corporation. (See Mair, John E., assignor.)
National Electric Products Corporation. (See Murphy, Daniel H., assignor.)
National Electrical Supply Company. (See Burger, Clarence W., assignor.)
National Enameling and Stamping Company. (See Sladky, Alexander C., assignor.)
National Enameling & Stamping Company. (See Sladky, Joseph and A. C., assignors.)
National Enameling & Stamping Co. Inc. (See Smith, Alva T., assignor.)
National Equipment Company. (See Bausman, Alonzo L., assignor.)
National Fire Door and Copper Store Front Company, The. (See Naisuler, S., and Hecht, assignors.)
National Fireproofing Corporation. (See Babb, Edwin, assignor.)
National Fireproofing Corporation. (See Christie, Llewellyn M., assignor.)
National Fireproofing Corporation. (See Shipley, Roy A., assignor.)
National Fireworks, Inc. (See Anderson, Robert J., assignor.)
National Fireworks, Inc. (See Jones, Ernest B., assignor.)
National Folding Box Company. (See Reichel, Ferdinand, assignor.)
National Gypsum Company. (See Haggerty, J. F., and Crandall, assignors.)
National Gypsum Company. (See Turner, John J., assignor.)
National Hydrodriv Company. (See Springsteen, Luther W., assignor.)
National India Rubber Company. (See Polleys, Herbert R., assignor.)
National India Rubber Company. (See Rice, Harold de B., assignor.)
National India Rubber Company. (See Watkins, P. H., and Holmberg, assignors.)
National Industrial Laboratories Corporation. (See Bassett, Orin A., assignor.)
National Laundry Machinery Company. (See Reeps, Charles O., assignor.)
National Lock Co. (See Aldeen, Gedor W., assignor.)
National Lock Co. (See Burton, Edward, assignor.)
National Lock Co. (See North, Edwin W., assignor.)
National Lock Co. (See North, E. W., and Anderson, assignors.)
National Lock Co. (See North, E. W., and Larson, assignors.)
National Lock Washer Company. (See Cairncross, R. L., and Goodell, assignors.)
National Lock Washer Company. (See Cochrane, Robert L., assignor.)
National Lock Washer Company, The. (See Golden, Robert F., assignor.)
National Lock Washer Company. (See Mohun, J. L., and Piesch, assignors.)
National Machine Products Company. (See Stoll, Albert, assignor.)
National Machinery Company, The. (See Clouse, William L., assignor.)

National Machinery Co., The. (See Friedman, John H., assignor.)
National Malleable and Steel Castings Company. (See Buckius, Albert O., assignor.)
National Malleable and Steel Castings Company. (See Ekstedt, Ernest D., assignor.)
National Malleable and Steel Castings Company. (See Holt, John W., assignor.)
National Malleable and Steel Castings Company. (See Schmidt, Ernest H., assignor.)
National Malleable and Steel Castings Company. (See Shafer, James A., assignor.)
National Manicuring Machine Company. (See Stevenson, H. J., and Kessler, assignors.)
National Manufacturing Company. (See Bittorf, Louis A., assignor.)
National Manufacturing Company. (See Bittorf, L. A., and Behrens, assignors.)
National Marking Machine Company, The. (See Constable, Charles E., assignor.)
National Net & Twine Co. (See Barbour, John E., assignor.)
National Net & Twine Co. Inc. (See Brownlee, Thomas, assignor.)
National Paper Can Company, The. (See Frostad, George O., assignor.)
National Paper Can Company, The. (See Frostad, G. O., and Annen, assignors.)
National Paper Products Company. (See Frost, John A., assignor.)
National Parking Garages, Incorporated. (See Aitken, William J., assignor.)
National Pipe Bending Company. (See Hickey, John, assignor.)
National Pipe Bending Company, The. (See Hickey, J., and Wright, assignors.)
National Pneumatic Company. (See Conklin, Roscoe D., assignor.)
National Pneumatic Company. (See Forman, Paris R., assignor.)
National Pneumatic Company. (See Laurent, Thomas, assignor.)
National Pneumatic Company. (See Mallison, Harry D., assignor.)
National Pneumatic Company. (See Parvin, Edward G., assignor.)
National Pneumatic Company. (See Paul, Abram F., assignor.)
National Pneumatic Company. (See Rowntree, Harold, assignor.)
National Pneumatic Company. (See Vander Veer, John H., assignor.)
National Police Signal Company. (See Bauer, Gustav F. C., assignor.)
National Postage Stamp Machine Corporation. (See Barnes, James W., assignor.)
National Pressure Cooker Company. (See Nelson, Carl, assignor.)
National Processes Limited. (See Lambert, Bertram, assignor.)
National Processes Limited. (See Storer, George E., assignor.)
National Pumps Corporation, The. (See Eickmeyer, Earl E., assignor.)
National Pumps Corporation. (See Hatmaker, William T., assignor.)
National Radiator Corporation. (See Landvoigt, Thomas E., assignor.)
National Rail Joint Corporation. (See Wilbur, Lawrence S., assignor.)
National Refining Company, The. (See Setzler, H. B., and McDonald, assignors.)
National Refrigeration Corporation. (See Dennison, F. E., and Ireland, assignors.)
National Refrigeration Corporation. (See Osborn, Robert G., assignor.)
National Regulator Co. (See Larson, John M., assignor.)
National Rubber Machinery Company. (See Brundage, James W., assignor.)
National Rubber Machinery Company. (See De Mattia, Peter, assignor.)
National Rubber Machinery Company. (See Heston, Allen L., assignor.)
National Rubber Machinery Company. (See Shook, Florain J., assignor.)
National Safety Devices Company. (See Woodring, Alberto I., assignor.)
National Sales Machine Company. (See Fry, Benjamin L., assignor.)
National Sanitary Valve Corporation. (See Marchant, R. H., and Jurs, assignors.)
National Self Feeding Iron Company. (See Buccola, Joseph, assignor.)
National-Standard Company. (See Harrar, Clayton C., assignor.)
National-Standard Company. (See Hopkins, Arthur C., assignor.)
National-Standard Company. (See Pierce, Robert C., assignor.)
National Supply Company, The. (See Archer, Merton, T., assignor.)
National Supply Company, The, et al. (See Bennett, Edwin O., assignor.)
National Supply Company, The. (See Hill, Rowland F., assignor.)

National Supply Company, The. (See Long, Spencer W., assignor.)
National Supply Company, The. (See Morgan, John S., assignor.)
National Supply Company, The. (See Picard, John B., assignor.)
National Supply Company, The. (See Timbs, Edward, assignor.)
National Supply Company, The. (See Timbs, E., and Peck, assignors.)
National Supply Company, The. (See Wright, Clyde S., assignor.)
National Supply Company, The. (See Zerbe, Lewis E., assignor.)
National Supply Company of Delaware, The. (See Bache, Louis H., assignor.)
National Supply Company of Delaware, The. (See Faulkner, D. S., and Timbs, assignors.)
National Supply Company of Delaware, The. (See Timbs, Edward, assignor.)
National Tank Seal Company. (See Tucker, Robert R., assignor.)
National Tile Company. (See Bower, James A., assignor.)
National Tirecore Company, The. (See Rystedt, Ingemar K., assignor.)
National Title Company, The. (See Jones, L. S., Fisher, Henrikson, and Butler, assignors.)
National Tool Company, The. (See Simmons, Oliver G., assignor.)
National Tool and Metals, Incorporated. (See Belding, Elmer C., assignor.)
National Tube Company. (See Baines, J. E., and Bosle, assignors.)
National Tube Company. (See Bark, William, assignor.)
National Tube Company. (See Bark, W., and Mazurie, assignors.)
National Tube Company. (See Chappell, Eugene L., assignor.)
National Tube Company. (See Chappell, E. L., and Ely, assignors.)
National Tube Company. (See Davies, T. D., and Johnston, assignors.)
National Tube Company. (See Mazurie, Harry R., assignor.)
National Tube Company. (See Mazurie, J. V., and Patterson, assignors.)
National Tube Company. (See Offutt, John W., assignor.)
National Tube Company. (See Patterson, Thomas, assignor.)
National Tube Company. (See Wright, Edwin C., assignor.)
National Utilities Corporation. (See Ellsworth, L. J., and Ingalls, assignors.)
National Vending Service, Inc. (See Bunting, Herbert C., assignor.)
National Welding Equipment Company. (See Hammon, George L., assignor.)
National Welding Equipment Company Incorporated. (See Hammon, George L., assignor.)
National Wrought Iron Annealing Box Company. (See Brown, Frank J., assignor.)
Natta, Giulio, Milan, Italy. Manufacture of methanol. 1,815,677; July 21.
Natural-Color, Inc. (See Waide, Merrill, assignor.)
Natwick, Frank J., and O. G. Tinkey, Pittsburgh, Pa. Refrigerating apparatus. 1,831,256; Nov. 10.
Naugatuck Chemical Company. (See Cadwell, Sidney M., assignor.)
Naugatuck Chemical Company, The. (See Cadwell, S. M., and Hazell, assignors.)
Naugatuck Chemical Company, The. (See Cadwell, S. M., and Maximoff, assignors.)
Naugatuck Chemical Company, The. (See Cadwell, S. M., and Meuser, assignors.)
Naugatuck Chemical Company, The. (See Cadwell, S. M., and Strickhouser, assignors.)
Naugatuck Chemical Company, The. (See Gibbons, Willis A., assignor.)
Naugatuck Chemical Company, The. (See Howland, Louis H., assignor.)
Naugatuck Chemical Company, The. (See McGavack, John, assignor.)
Naugatuck Chemical Company, The. (See Nikitin, Alexander A., assignor.)
Naugatuck Chemical Company, The. (See Roberts, Elmer, assignor.)
Naugatuck Chemical Company, The. (See Steinle, William A., assignor.)
Naugatuck Chemical Company, The. (See Strickhouser, Sherman I., assignor.)
Naugatuck Chemical Company, The. (See ter Horst, William P., assignor.)
Naugatuck Chemical Company, The. (See Tuley, William F., assignor.)
Naugatuck Chemical Company. (See Watkins, Parke H., assignor.)
Naugle, Girardus G. (See Hoff, C. L., and Naugle.)
Naugle, John J. (See Ehrhart, E. N., and Wickenden, assignors.)
Naugle, John J. (See Wickenden, L., and Naugle.)
Naugle, John J., Brooklyn, N. Y. Filtering apparatus. 1,793,289; Feb. 17.
Naugle, John J., Brooklyn, N. Y. Prefiltering means. 1,794,862; Mar. 3.
Naugle, John J., Brooklyn, N. Y. Treating liquids. 1,794,916; Mar. 3.
Naugle, John J., Greenwich, Conn. Filtering means. 1,813,073; July 7.
Naul, James M., Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric sewing machine. 1,806,489; May 19.
Naul, James M., Plainfield, assignor to Diehl Manufacturing Company, Elizabeth, N. J. Electric phonograph motor. 1,823,555; Sept. 15.
Naumann, Hermann G. R., Nijmegen, Netherlands. Rotary cooling drum. 1,806,490; May 19.
Naumburg, Robert E., Winchester, Mass. Apparatus for translating impressions. 1,828,198; Oct. 20.
Naus, Arthur W., New York, N. Y. Buckle. Des. 84,297; June 2.
Naus, Arthur W., New York, N. Y. Buckle. 1,837,667; Dec. 22.
Nau-Touron, Albert, Grasse, France. Automatic thread tension regulator for continuously acting spinning machines. 1,703,124; Apr. 28.
Nave, Ora L. (See Lindquist, F., and Nave.)
Navratiel, Hans, Flint, Mich., assignor to Vacuumsschmelze G. m. b. H., Frankfort-on-the-Main, Germany. Metallurgical furnace. 1,825,011; Sept. 29.
Nawiasky, Paul. (See Luttringhaus, A., Nawiasky, and Krause.)
Nawiasky, Paul, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacture of grey to black vat dyestuffs. 1,804,840; May 12.
Nawiasky, Paul, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Production of vat dyestuffs of the n-methyl acridine anthrone naphthoquinone series. 1,832,236; Nov. 17.
Nawiasky, Paul and L. Eifflaender, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of anthraquinoneazines. 1,790,109; Jan. 27.
Nawiasky, Paul, Ludwigshafen-on-the-Rhine, and J. Mueller, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of new vat dyestuffs. 1,797,478; Mar. 24.
Nawiasky, Paul, Ludwigshafen-on-the-Rhine, O. Braunsdorf, Hochst-on-the-Main, and A. Ehrhardt, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation products of the benzanthrone series. 1,818,083; Aug. 11.
Nawiasky, Paul, Ludwigshafen-on-the-Rhine, and E. Holzapfel and O. Braunsdorf, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat Dyestuff of the benzanthrone series and making same. 1,821,023; Sept. 1.
Nawiasky, Paul, Ludwigshafen-on-the-Rhine, O. Braunsdorf and Eduard Holzapfel, Hochst-on-the-Main, Germany, assignors, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Manufacture of vat dyestuffs. 1,822,367; Sept. 8.
Nawiasky, Paul, and A. Krause, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works Inc., New York, N. Y. Production of blue dyestuffs of the halogenated anthracene series. 1,824,831; Sept. 29.
Nawiasky, Paul, and E. Krauch, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works Inc., New York, N. Y. Vat dyestuffs of the pyrazolanthrone series. 1,838,232; Dec. 29.
Naylor, Henry R., Derby, assignor to The H. A. Matthews Manufacturing Company, Seymour, Conn. Toggle bolt for trunks and other luggage, etc. 1,827,369; Oct. 13.
Naylor, Howard W., and Morris, N. Y. Packaging dilator. 1,799,059; Mar. 31.
Naylor, James P., London, England. Sign. 1,820,086; Aug. 25.
Naylor, Walter E., assignor to The Beardsley & Piper Company, Chicago, Ill. Apparatus for handling sand in foundries. Re18,106; June 16.
Naylor, Walter E., assignor to The Beardsley & Piper Company, Chicago, Ill. Apparatus for charging retorts. 1,796,802; Mar. 17.
Naylor, William F., Bergen Field, and T. L. Sponseller, Grantwood, assignors to Aluminum Screw Machine Products Company, Edgewater, N. J. Apparatus for shearing aluminum sections. 1,826,016; Oct. 6.
Naz, John A., Grosse Pointe Park, Mich. Wall-light screen or similar article. Des. 83,242; Feb. 3.
Neafie, Andrew J., Mountain Lakes, N. J. Apparatus for marking or scoring surfaces. 1,805,148; May 12.
Neahr, Jacob E., Scarsdale, N. Y. Smoker's wall set. Des. 83,566; Mar. 3.
Neahr, Jacob E., Scarsdale, N. Y. Smoker's utensil. 1,802,569; Apr. 28.
Neal, Brown, Wichita, Kans. Garment hanger support. 1,821,722; Sept. 1.
Neal, Cecil R., Portland, Oreg. Gas throttle. 1,819,111; Aug. 18.
Neal, Chester T., Springfield, Mass. Cartridge clip. 1,811,093; June 23.
Neal, Duane R., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,820,152; Aug. 25.
Neal, Elmer E., Coral Gables, Miami, Fla., assignor to Peerless Handcuff Company, Springfield, Mass. Handcuff. 1,821,566; Sept. 1.
Neal, Elmer E., New Haven, Conn., assignor to Peerless Handcuff Company, Springfield, Mass. Lock mechanism. 1,821,567; Sept. 1.

Neal, Franklin G. (See Welcker, Rudolph, assignor.)
Neal, Harry W., assignor to Hall-Neal Furnace Company, Indianapolis, Ind. Furnace. 1,811,182; June 23.
Neal, James R. (See Phillips, W. L., and Neal.)
Neal, Joseph W., Columbus, Ga. Interchangeable nib section and holder therefor. 1,818,424; Aug. 11.
Neal, Walter V., assignor of one-half to W. H. Davis, Lynn, Mass. Cement applying machine. 1,815,480; July 21.
Neale, Edgar W., and A. H. Handley, Birmingham, England. Double spindle molding machine. 1,809,488; June 9.
Neale, Fred, assignor, by mesne assignments, to The Midland Steel Products Company, Cleveland, Ohio. Compressor control apparatus. 1,812,057; June 30.
Neale, John, London, and H. R. Watson, Wimbledon, England. Control of railway and like vehicles. 1,789,251; Jan. 13.
Neall, Walter R., Glen Burnie, assignor of one-half to G. Heales, Lansdowne, Md. Outlet box. 1,793,187; Feb. 17.
Neave, Sidney L. (See Buswell, A. M., and Neave.)
Neaves, Joseph, R., jr., et al., trustees. (See Shipley, Marion R., assignor.)
Nebel, Ernst O., Philadelphia, Pa. Forming open work designs in stockings. 1,806,491; May 19.
Nebel, Ernst O., Philadelphia, Pa. Yarn moistening device. 1,807,492; May 26.
Neckar Water Softener Corporation. (See Contant, Peter M., assignor.)
Neder, Henry A. (See Duggan, J. M., and Neder.)
Nederlandsche Dok-Maatschappij N. V. (See Leupen, Petrus E., assignor.)
Nederlandsche Technische Handel Maatschappij "Giro." (See Richter, Oskar, assignor.)
Nedvidek, Robert D. (See Wilson, C. P., and Nedvidek.)
Nee, Albert H., Bozeman, Mont. Lumberman's tool. 1,797,360; Mar. 24.
Nee, Daniel J., et al. (See Pringle, William F., assignor.)
Neeb, Lawrence S., Bloomfield N. J., assignor to American Telephone and Telegraph Company. Designation label. 1,790,069; Jan. 27.
Need, Leslie R., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Lamp standard. Des. 85,442; Oct. 27.
Needham, Ollie, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,794,977; Mar. 3.
Needlman, Louis, Chicago, Ill. Clamp. 1,825,327; Sept. 29.
Neef, Adolph J., Brooklyn, N. Y., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Tuning indicator for radioreceivers. 1,821,568; Sept. 1.
Neef, Alfred, Audubon, N. J. Plate-clamping mechanism for printing presses. 1,800,468; Apr. 14.
Neeley, George S., Hartford, assignor of one-half to Griffin Watkins, Alton, Ill. Removing scale matter from liquids. 1,831,075; Nov. 10.
Neeley, George S., Hartford, assignor of one-half to Griffin Watkins, Alton, Ill. Apparatus for purifying water. 1,831,076; Nov. 10.
Neeley, Ira W., Memphis, Tex. Well casing lifter. 1,801,448; Apr. 21.
Neelmeier, Wilhelm, Leverkusen, near Cologne-on-the-Rhine, and W. Hentrich, Wiesdorf, near Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs derived from amino-acylamino-salicyl-diphenylsulfones. 1,803,202; Apr. 28.
Neelmeier, Wilhelm, and E. Glietenberg, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Monoazodyestuffs. 1,836,182; Dec. 15.
Neely, Andy L., and W. Tolle, San Antonio, Tex. Chair for concrete reenforcement stirrups. 1,814,007; July 14.
Neely, Fred W., Chicago, Ill. Stationery cabinet. 1,802,060; Apr. 21.
Neely Nut and Bolt Company. (See Lackner, Frederick, assignor.)
Neenan, Joseph M., Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass drawing apparatus. 1,828,845; Oct. 27.
Neevel, Harry L. (See Neevel, Jacob B., assignor.)
Neevel, Jacob B., Mrs., executrix. (See Neevel, Jacob B.)
Neevel, Jacob B., deceased, Kansas City, Mo.; Mrs. J. B. Neevel, executrix, assignor to H. L. Neevel. Planetarium. 1,811,825; June 23.
Neff, Frank H., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Rail bond and making same. 1,831,539; Nov. 10.
Neff, Frank M., Los Gatos, Calif. Hearing appliance. 1,828,151; Oct. 20.
Neff, Johannes, assignor to Firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Apparatus for distributing cigarettes from containers. 1,834,723; Dec. 1.
Negrini, Bruno, Bologna, Italy. Truck and guide member for roller blinds. 1,825,198; Sept. 29.
Neher, Charles, Chicago, Ill. Support for fabric hangings. 1,808,250; June 2.
Neher, Otto, North Plainfield, N. J. Tool. 1,824,616; Sept. 22.
Neher, Samuel I., Fort Wayne, Ind. Agricultural implement. 1,800,871; Apr. 14.
Nehin, Harry E., Buffalo, N. Y., assignor of one-half to E. Westbrook, Waco, Tex. Rotary lifting jack and wheel. 1,823,660; Sept. 15.
Nehl, Franz, Muhlheim-Ruhr, assignor to the Firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Hardening copper containing steels for structural and similar purposes. 1,835,667; Dec. 8.
Nehls, Charles H. (See Smith, F. A., and Nehls.)
Nehsmann, Fred, New York, N. Y. Clothes drier. 1,827,601; Oct. 13.
Neidel, Oscar F., assignor to George C. Moore Company, Westerly, R. I. Elastic fabric. 1,797,693; Mar. 24.
Neider, F. A., Company, The. (See Lane, Richard D., assignor.)
Neidich Process Company. (See Neidich, Samuel A., assignor.)
Neidich, Samuel A., Edgewater Park, N. J. Treating articles of celluloid and the like. 1,792,654; Feb. 17.
Neidich, Samuel A., Edgewater Park, N. J. Making tubes of celluloid and the like. 1,804,022; May 5.
Neidich, Samuel A., Edgewater Park, N. J. Making tubes of celluloid and the like. 1,804,023; May 5.
Neidich, Samuel A., Edgewater Park, N. J. Treating articles of celluloid and the like. 1,822,538; Sept. 8.
Neidich, Samuel A., Edgewater Park, N. J. Tube and forming the same. 1,837,471; Dec. 22.
Neidich, Samuel A., Edgewater Park, assignor to Neidich Process Company, Burlington, N. J. Trade-marking carbon paper. 1,796,956; Mar. 17.
Neidich, Samuel A., Edgewater Park, assignor to Neidich Process Company, Burlington, N. J. Transfer web. 1,800,560; Apr. 14.
Neidich, Samuel A., Edgewater Park, assignor to Neidich Process Company, Burlington, N. J. Transfer material. 1,800,561; Apr. 14.
Neidich, Samuel A., Edgewater Park, assignor to Sanite Corporation, Burlington, N. J. Tubes and forming the same. 1,826,669; Oct. 6.
Neidig, William J., Chicago, Ill. Folding machine. 1,838,106; Dec. 29.
Neighbour, Leonard B., assignor to Deere & Company, Moline, Ill. Lug for wheels. 1,810,219; June 16.
Neighbour, Wilbur S., assignor to American Saw Mill Machinery Company, Hackettstown, N. J. Mounting for rotary miter saws. 1,821,113; Sept. 1.
Neikirk, John O., assignor to Rodger Ballast Car Company, Chicago, Ill. Car construction. 1,804,702; May 12.
Neil, Edmund B., Overbrook, Pa. Lamp. 1,802,524; Apr. 28.
Neil, Percy W., Quebec, Quebec, Canada, assignor to T. L. Dunbar, Watertown, N. Y. Process and apparatus for digesting fibrous material. 1,815,576; July 21.
Neilan, Schumacher & Company. (See Annin, Douglas H., assignor.)
Neill, Charles W., Syracuse, N. Y. Reading lamp. 1,825,085; Sept. 29.
Neill, William A., Mount Vernon, N. Y., and W. A. Stedman, Westport, Conn., assignors, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Method and apparatus for aerating slurry. 1,832,469; Nov. 17.
Neilon, Patrick J., East Cleveland, Ohio. Pipe hanger. 1,805,006; May 12.
Neils, George. (See Wickes, Powers A., and Neils.)
Neilsen, Neils A., Cupertino, Calif. Gap filler. 1,820,288; Aug. 25.
Neilsen, Peter C., assignor of twenty-five per cent to Christian Stockholm and twenty-five per cent to O. K. Simonsen, Chicago, Ill. Scraper. 1,829,531; Oct. 27.
Neilson, Albert H., Tulsa, Okla. Sucker rod hanger. 1,802,526; Apr. 28.
Neilson, George W., Minneapolis, Minn. Glare eliminator for automobiles. 1,791,830; Feb. 10.
Neilson, Lars C., Bradley, Ill. Window-cleaning apparatus. 1,798,215; Mar. 31.
Neilson, Mary D., Minneapolis, Minn. Undergarment for men and women. 1,831,131; Nov. 10.
Neiman, Edgar P., Denver, Colo. Irrigating device. 1,791,873; Feb. 10.
Neimeyer, Charles, and W. A. Brubaker, Akron, assignors to H. F. Freeman, Lakewood, Ohio. Tire. 1,833,225 Nov. 24.
Neisler, Oscar L., Chicago, Ill. Spring. 1,808,473; June 2.
Neiss, Oskar, assignor of one-half to H. Bollmann, Hamburg, Germany. Induction heating apparatus. 1,814,225; July 14.
Neitz, John J. (See Hope, S. N., and Neitz.)
Neitzel, Ora E., South Bend, Ind. Game board. Des. 85,196; Sept. 22.
Neivert, Harry, New York, N. Y. Surgical snare. 1,833,687; Nov. 24.
Nejedly, Peter M. (See Bronander, W. B., and Nejedly.)
Nejedly, Peter M., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Cigarette cork-tipper. 1,810,979; June 23.
Nejelski, Leo, assignor of one-half to F. X. Trimbach, University City, Mo. Jar or similar receptacle. Des. 84,098; May 5.
Nekarda, Victor F. (See Bragger, W. B., and Nekarda.)
Nekoosa-Edwards Paper Company. (See Vanatta, Jean K., assignor.)
Nekoosa-Edwards Paper Company. (See Youngchild, C. E., Vanatta, and Youngchild.)
Nelarico, John. (See Benjamin Ralph, assignor.)

Neldner, Edward E., Milwaukee, Wis. Valve-seat-finishing tool. 1,789,080; Jan. 13.
Nelis, Joseph J., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Steam generator. 1,790,593; Jan. 27.
Nell, Albert, St. Louis, Mo. Elevator-gate-control means. 1,799,600; Apr. 7.
Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Fluid-pressure motor. 1,796,389; Mar. 17.
Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Valve mechanism for fluid pressure tools. 1,805,921; May 19.
Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Spike driving apparatus. 1,811,475; June 23.
Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Mounting for rock drills. 1,813,676; July 7.
Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Pile driving apparatus. 1,824,617; Sept. 22.
Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Fluid pressure tool. 1,825,328; Sept. 29.
Nell, Gustave M., Detroit, Mich, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Lock chuck for stoppers. 1,832,470; Nov. 17.
Nell, Gustave M., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Chuck for drilling machines. 1,832,471; Nov. 17.
Nellen, Arthur H., assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Punctureproof tire. 1,790,629; Jan. 27.
Neller, Albert H., Fairfield, Iowa. Water bowl. 1,797,963; Mar. 24.
Neller, Walter A., Woodland, Calif. Reamer. 1,791,902; Feb. 10.
Nellis, Charles N., jr. (See Wightman, R. J., and Nellis.)
Nelsch, William H., St. Louis, Mo. Airplane construction. 1,816,653; July 28.
Nelsen, Alfred N., Long Beach, Calif. Buoyant boat construction. 1,837,472; Dec. 22.
Nelsen, Arthur G., Willmar, Minn. Chain applying and removing equipment. 1,818,004; Aug. 11.
Nelsen, Monberg, assignor to Mathews Conveyer Company, Ellwood City, Pa. Conveying apparatus. 1,800,898; Apr. 14.
Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 1,792,504; Feb. 17.
Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Grinding. 1,818,084; Aug. 11.
Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Oval grinding. 1,818,085; Aug. 11.
Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 1,830,172; Nov. 3.
Nelson, Albert, Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake shoe. 1,821,069; Sept. 1.
Nelson, Albert, Chicago, Ill., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe. 1,821,070; Sept. 1.
Nelson, Albin J., Brooklyn, N. Y. Pneumatic controller recorder. 1,799,830; Apr. 7.
Nelson, Albin J., and C. J. Essmann, Brooklyn, N. Y. Tire inflating air pressure controller. 1,803,863; May 5.
Nelson, Andrew F., Seattle, Wash. Furnace. 1,827,370; Oct. 13.
Nelson, Andrew W., and W. Topping assignors to Columbian Enameling & Stamping Company, Terre Haute, Ind. Handle attachment for cooking utensils. 1,809,060; June 9.
Nelson, Arthur C., Alexandria, Minn. Pump. 1,802,827; Apr. 28.
Nelson, Arthur F., Chicago, Ill. Power belt. 1,833,091; Nov. 24.
Nelson, Arthur W., Park Ridge, assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,813,074; July 7.
Nelson, Arvid, Milwaukee, Wis., assignor to The Hamilton Standard Propeller Corporation, West Homestead, Pa. Balancing propeller blades. 1,805,149; May 12.
Nelson, August W., assignor of one-half to V. Sjodin, Spokane, Wash. Shield attachment for eating tables and the like. 1,810,618; June 16.
Nelson, Axel H., Turlock, Calif. Concrete stave making machine. 1,808,860; June 9.
Nelson, Bert W. (See Beutke, P. E., and Nelson.)
Nelson, C., Manufacturing Company. (See Nelson, James L., assignor.)
Nelson, Carl, assignor to National Pressure Cooker Company, Eau Claire, Wis. Pressure cooker. 1,826,947; Oct. 13.
Nelson, Carl E. (See Ranger, R. H., and Nelson.)
Nelson, Carl R., La Grange, Ill. Ice mud hook and cross chain. 1,830,556; Nov. 3.
Nelson, Charles A., East Berlin, Conn. Kiln brace. 1,831,316; Nov. 10.
Nelson, Charles E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Safety connection for power transmission. 1,796,803; Mar. 17.
Nelson, Charles E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material forming apparatus. 1,833,656; Nov. 24.
Nelson, Charles E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material forming apparatus. 1,833,657; Nov. 24.
Nelson, Charles E., and J. S. Stull, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Material forming apparatus. 1,833,616; Nov. 24.
Nelson, Charles J. (See Richards, W. L., and Nelson.)
Nelson, Charles S., Quebec, Quebec, Canada. Hoist-line sling. 1,792,439; Feb. 10.
Nelson, Christian B., Chicago, Ill. Sawing-trimming machine. 1,821,569; Sept. 1.
Nelson, Claude A., Wilmerding, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Triple valve device. 1,801,819; Apr. 21.
Nelson, Donald E., Iron Mountain, Mich. Rocking chair caster. 1,834,345; Dec. 1.
Nelson, Edward. (See Schoff, A. L., and E. and G. J. Nelson.)
Nelson, Edward, and G. Nelson, Belleville, N. J., assignors to Overman Cushion Tire Company, Inc., New York, N. Y. Apparatus for making cushion tires. 1,814,731; July 14.
Nelson, Edward L., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio television system. 1,830,173; Nov. 3.
Nelson, Elving O., assignor of one-third to L. R. Johnson and one-third to C. N. Morrison, Midland, Mich. Fluid-mixing device. 1,798,336; Mar. 31.
Nelson, Emil, Portland, Oreg. Watchcase pendant. 1,792,700; Feb. 17.
Nelson, Emil A., Detroit, Mich. Brake drum construction. Re18,176; Sept. 1.
Nelson, Emil A., Detroit, Mich. Rim-manipulating tool. 1,800,955; Apr. 14.
Nelson, Emil A., Detroit, Mich. Wheel. 1,802,773; Apr. 28.
Nelson, Emil A., Detroit, Mich. Tire carrier. 1,834,861; Dec. 1.
Nelson, Emil A., Detroit, assignor to Motor Wheel Corporation, Lansing, Mich. Felly and rim construction. 1,813,192; July 7.
Nelson, Emil A., Abington, assignor to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 1,807,167; May 26.
Nelson, Floyd R., assignor to Cotta Transmission Corporation, Rockford, Ill. Transmission. 1,838,859; Dec. 29.
Nelson, Fred N., assignor to Safety Boat Co., Seattle, Wash. Ventilator. 1,790,059; Jan. 27.
Nelson, Fred O. (See Fogel, C. A., and Nelson.)
Nelson, Fred O., and C. A. Fogel, Pittsburgh, Pa. Price card display holder. 1,824,918; Sept. 29.
Nelson, George. (See Nelson, Edward and G.)
Nelson, George J. (See Schoff, A. L., and E. and G. J. Nelson.)
Nelson, George S., Salt Lake City, Utah. Metal form and form holder for concrete joist and slab construction. 1,789,049; Jan. 13.
Nelson, George W., Cleveland, Ohio, assignor to The Stewart Machine Company, Elyria, Ohio; A. J. Curren trustee of said The Stewart Machine Company, defunct. Coin-controlling mechanism. 1,788,688; Jan. 13.
Nelson, Glenwood E., and A. E. Barker, Goderich, Ontario, Canada. Awning saver. 1,833,688; Nov. 24.
Nelson, Harold A., Brooklyn, N. Y. Street indicator. 1,801,104; Apr. 14.
Nelson, Harry T., Dallas, Tex.. Helicopter flying toy. 1,803,636; May 5.
Nelson, Henry F., assignor of one-fourth to R. E. Moore, Muncie, Ind. Carburetor. 1,827,255; Oct. 13.
Nelson, Herman, Corporation, The. (See Otis, Gerald E., assignor.)
Nelson, Herman, Corporation, The. (See Shurtleff, Wilfred, assignor.)
Nelson, Jabez C., Syracuse, N. Y. Combined wringer and casing for a washing machine. Des. 85,259; Sept. 29.
Nelson, Jabez C., and P. E. Geldhof, assignors to Syracuse Washing Machine Corporation, Syracuse, N. Y. Combined clothes washer and drier. Re18,036; Apr. 7.
Nelson, Jabez C., and P. E. Geldhof, assignors to Syracuse Washing Machine Corporation, Syracuse, N. Y. Combined clothes washer and drier. 1,795,733; Mar. 10.
Nelson, Jabez C., and W. A. Papworth, assignors to Syracuse Washing Machine Corporation, Syracuse, N. Y. Casing for a combined clothes washer and drier. Des. 84,159; May 12.
Nelson, James L., assignor to C. Nelson Manufacturing Company, St. Louis, Mo. Making liquid containers and container so produced. 1,805,552; May 19.
Nelson, John, Boston, Mass. Sign hook. 1,809,562; June 9.
Nelson, John, assignor to Automatic Washer Company, Newton, Iowa. Driving mechanism for washing machines. 1,834,133; Dec. 1.
Nelson, John E., Indianapolis, Ind. Adjustable thermostat. 1,838,955; Dec. 29.
Nelson, John H., and S. Quisling, Madison, Wis.; said Nelson assignor to said Quisling. Portable drinking fountain. 1,814,953; July 14.

Nelson, John N., Cranston, R. I., assignor to Universal Optical Corporation. Ophthalmic mounting. Des. 83,122; Jan. 20.
Nelson, John N., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,805,529; May 19.
Nelson, John N., assignor to Universal Optical Corporation, Providence, R. I. Spectacle temple. 1,810,220; June 16.
Nelson, John V. (See Krag, F. K., and Nelson.)
Nelson, John V., Elmhurst, assignor to F. K. Krag, Chicago, Ill. Corn popper. 1,826,948; Oct. 13.
Nelson, Lewen R., Peoria, Ill. Lawn sprinkler. 1,831,540; Nov. 10.
Nelson, L. R., Mfg. Co. (See Orr, Fingal C., assignor.)
Nelson, Leigh G., Chicago, Ill. Transparent display cover. 1,791,510; Feb. 10.
Nelson, Lewen R., Peoria, Ill. Sprinkler nozzle. 1,788,492; Jan. 13.
Nelson, Lewen R., Peoria, Ill. Attaching swivel nuts to sprinkler bodies. 1,800,844; Apr. 14.
Nelson, Martin L., Park Ridge, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Remote control system. 1,796,957; Mar. 17.
Nelson, Martin L., Park Ridge, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Remote control system. 1,814,524; July 14.
Nelson, Martin L., Park Ridge, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Supervisory system. 1,827,098; Oct. 13.
Nelson, Max C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Mold breaking and transporting device. 1,797,176; Mar. 17.
Nelson, Max C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Wheel mounting. 1,832,815; Nov. 17.
Nelson, Nels H., Arnolds Park, assignor to The Rolscreen Company, Pella, Iowa. Spring-roller assembly. 1,800,654; Apr. 14.
Nelson, Nels H., Des Moines, Iowa. Rolling awning. 1,804,798; May 12.
Nelson, Nels H., Des Moines, Iowa. Awning. 1,805,223; May 12.
Nelson, Nels H., Elbow Lake, Minn. Metal lath. 1,819,377; Aug. 18.
Nelson, Nels S., Pontiac, Mich., assignor, by mesne assignments, to Safety Tire Pop-Valve Company. Circuit breaker. 1,803,203; Apr. 28.
Nelson, Nels S., assignor of one-half to F. G. Meyer, Detroit, Mich. Thermoresponsive fuse. 1,825,811; Oct. 6.
Nelson, Nels T., assignor, to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Chain. 1,799,475; Apr. 7.
Nelson, Nels T., Attleboro, assignor to J. F. Sturdy & Son Co., Attleboro Falls, Mass. Buckle for wrist watch straps. 1,806,213; May 19.
Nelson, Nels T., Attleboro, Mass., assignor to J. F. Sturdy's Sons Company. Extension device. 1,817,163; Aug. 4.
Nelson, Nicolay, assignor to Blatchford Calf Meal Company, Waukegan, Ill. Grinding mill. 1,799,435; Apr. 7.
Nelson, Nils. (See Nilson, Fred W., assignor.)
Nelson, Ollie T., Bristol, Pa., assignor to Pacific Steel Boiler Corporation, Detroit, Mich. Metal to metal joint. 1,807,003; May 26.
Nelson, Olof, assignor to The Robbins Company, Attleboro, Mass. Name plate and the like. 1,802,982; Apr. 28.
Nelson, Oscar F., Chicago, Ill. Door silencer. 1,828,431; Oct. 20.
Nelson, Otis W., Atlantic, Iowa. Slatted automobile blind. 1,791,831; Feb. 10.
Nelson, Otto S., and W. M. Willy, Mitchell, S. Dak., assignors to Handy-Haul Auto Trunk Company, Minneapolis, Minn. Extensible auto trunk. 1,826,949; Oct. 13.
Nelson, Owen F., Grosse Pointe, Mich., assignor to Copeland Products, Incorporated. Refrigerating apparatus. 1,812,113; June 30.
Nelson, Raymond F., Philadelphia, Pa. Hat attachment. 1,831,776; Nov. 10.
Nelson, Richard, assignor of one-half to F. Rosner, Chicago, Ill. Fish bait. 1,814,450; July 14.
Nelson, Roy, Minot, N. Dak. Soldering pliers. 1,807,004; May 26.
Nelson, Rudolph S., Rockford, Ill., assignor to The Hoover Company, North Canton, Ohio. Method of and apparatus for producing refrigeration. 1,822,109; Sept. 8.
Nelson, Samuel A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector for drop box looms. 1,817,164; Aug. 4.
Nelson, Samuel A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector for box looms. 1,834,346; Dec. 1.
Nelson, Stanley F. (See Bailey, R. S., Nelson, and Shipley.)
Nelson, Sven, Hornepayne, Ontario, Canada. Animal trap. 1,808,903; June 9.
Nelson, Swan, Chicago, Ill. Corn popper. 1,803,204; Apr. 28.
Nelson, Theodore J., assignor to M. M. Young, Chicago, Ill. Ventilating guard for windows. 1,800,804; Apr. 14.
Nelson, Tolmar. (See Hendrickson, R. O., and Nelson.)
Nelson, William, Minneapolis, Minn. Wheel and rim structure. 1,818,572; Aug. 11.
Nelson, William, Minneapolis, Minn. Dual wheel. 1,818,573; Aug. 11.
Nelson, William E., Minneapolis, Minn. Insulating unit. 1,801,525; Apr. 21.
Nemarnick, Frank. (See Basola, Anthony, and Nemarnick.)
Nemcovsky, Louis A., assignor, by mesne assignments, to Markon Manufacturing Co., Inc., New York, N. Y. Doll eyes. 1,801,753; Apr. 21.
Nemcovsky, Louis A., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,812,447; June 30.
Nemcovsky, Louis A., assignor, by mesne assignments, to Margon Corporation, New York, N. Y. Eye mounting for dolls. 1,819,035; Aug. 18.
Nemcovsky, Louis A., assignor, by mesne assignments, to Margon Corporation, New York, N. Y. Eye mounting for dolls. 1,820,087; Aug. 25.
Nemcovsky, Louis A., assignor, by mesne assignments, to Margon Corporation, New York, N. Y. Eye set. 1,831,421; Nov. 10.
Nemenyl, Lajos, Mount Vernon, N. Y. Boiler feeding device. 1,826,017; Oct. 6.
Nemetz, Gustav, assignor to the firm Alex. Friedmann, Vienna, Austria. Pump for spinning liquid such as viscose. 1,809,489; June 9.
Nenna, Gennaro, assignor to C. Georgas, Owen Sound, Ontario, Canada. Automobile lifting device. 1,794,532; Mar. 3.
Nenna, Gennaro, Owen Sound, Ontario, assignor to C. Georgas, Owen Sound, Ontario, Canada. Cigarette and match dispenser. 1,803,536; May 5.
Nenna, Gennaro, assignor to C. Georgas, Owen Sound, Ontario, Canada. Vehicle parking device. 1,827,853; Oct. 20.
Nenninger, Lester F. (See Armitage, J. B., Kearney, Graves, and Nenninger.)
Nenninger, Lester F. (See Ernst, H., and Nenninger.)
Nenninger, Lester F. (See Binns, George W., Archea, and Nenninger, assignors.)
Nenninger, Lester F. (See Caster, J. E., and Nenninger, assignors.)
Nenninger, Lester F., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Truing mechanism. 1,825,753; Oct. 6.
Nenstiehl, Charles H., Huntington Station, N. Y. Handcuffs. 1,823,697; Sept. 15.
Nenzel, Joseph F., Los Angeles, Calif. Switch. 1,815,577; July 21.
Neon Appliances Ltd. of America. (See Aba, Eugene, assignor.)
Neon Arrowlite, Inc. (See Keating, Maurice, assignor.)
Neon, Claude, Lights Inc. (See Smalley, Robert C., assignor.)
Neon Process, Incorporated. (See Howard, Harold W., assignor.)
Neon Products, Inc. (See Kamin, Samuel, assignor.)
Neon Signal Devices, Inc. (See McGill, William B., assignor.)
Neon Specialty & Manufacturing Co. (See Jacobsen, Albert E., assignor.)
Neopost Limited. (See Langdon, Frank E., assignor.)
Ne Page, Justus F., Seattle, Wash. Concrete pole. 1,798,982; Mar. 31.
Neptune Meter Company. (See Hazard, Charles S., assignor.)
Neptune Meter Company. (See Marden, William L., assignor.)
Nerad, Anthony J., Schenectady, N. Y., assignor to General Electric Company. System for governing prime movers. 1,832,816; Nov. 17.
Neresheimer, Heinrich. (See Luettringhaus, A., Neresheimer, and Eichholz.)
Neresheimer, Heinrich. (See Luettringhaus, A., Neresheimer, and Emmer.)
Neresheimer, Heinrich. (See Lüttringhaus, A., Wolff, and Neresheimer.)
Neresheimer, Heinrich, and W. Schneider, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works Inc., New York, N. Y. Vat dyestuffs of the N-dihyro 1.2.2′:1′ anthraquinoneazine series. 1,830,852; Nov. 10.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Ophthalmic mounting. Des. 83,567; Mar. 3.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass lens. Des. 83,826; Mar. 31.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Ophthalmic mounting. Des. 84,362; June 9.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Ophthalmic mounting. Des. 84,363; June 9.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Ophthalmic mounting. Des. 84,751; July 28.
Nerney, George E., assignor to Bay State Optical Company, Attletboro, Mass. Front for a spectacle frame. Des. 85,593; Nov. 17.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,800,263; Apr. 14.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,820,627; Aug. 25.
Nero, Arvid H. (See Johnson, D. W., and Nero.)

Nero, Arvid H., West Hartford, assignor, by mesne assignments, to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Separable electric fitting. 1,837,058; Dec. 15.
Nero, John J., Hartford, Conn. Golf club. 1,825,244; Sept. 29.
Nesbit, T. M., jr. (See Proctor, Hubert M., assignor.)
Nesbitt, Charles A., and B. C. Morrison, Hobart, N. Y. Cow stall. 1,795,407; Mar. 10.
Nesbitt, John J., Inc. (See Henshall, Percival P., assignor.)
Nesměrák, Josef. (See Pokorný, E., and Nesměrák.)
Nesmith, Ralph H., Grosse Pointe Park, Mich., assignor to Morgan & Wright. Tire. Des. 83,637; Mar. 10.
Ness, Harold J., and C. H. Roth, Jersey City, N. J., assignors, by mesne assignments, to The New Departure Manufacturing Company, Bristol, Conn. Making ball bearing cages. 1,836,273; Dec. 15.
Ness, William H. C. (See Livingston, G. E., and Ness.)
Nessan, Edwin, Renner, S. Dak. Hand cart for milk cans. 1,831,026; Nov. 10.
Nesselbush, Louis M., assignor to The Falcon Bronze Company, Youngstown, Ohio. Tuyère. 1,824,919; Sept. 29.
Nessler, Charles, assignor to The Nestle-Le Mur Company, New York, N. Y. Testing hair preparatory to treating or waving the same. 1,837,577; Dec. 22.
Nestal, Marcelino L., San Diego, Calif. Vacuum pump. 1,814,179; July 14.
Nester, Howard W., assignor to Parker Wire Goods Company, Worcester, Mass. Road chair. 1,830,883; Nov. 10.
Nester, Joseph, sr., East St. Louis, Ill. Bottle. Des. 83,876; Apr. 7.
Nestle-Le Mur Company, The. (See Lewis, Wilbur S., assignor.)
Nestle-Le Mur Company, The. (See Nessler, Charles, assignor.)
Nestle-Lemur Company, The. (See Trafton, Howard A., assignor.)
Nestler, Paul R., Green Lane, assignor of one-half to E. L. Kotzen, Reading, Pa. Knitting garter extensions for hosiery. Re18,279; Dec. 8.
Nestler, Paul R., Green Lane, Pa., assignor of one-half to E. L. Kotzen, Reading, Pa. Knitting garter extensions for hosiery. 1,806,492; May 19.
Nestor Johnson Manufacturing Company. (See Johnson, Charles I., assignor.)
Nestor Johnson Manufacturing Company. (See Lewis, Harvey, assignor.)
Nestor, Leonard, assignor of one-half to E. J. Ring, Minneapolis, Minn. Slice stacker. 1,821,445; Sept. 1.
Neth, George J., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 1,820,241; Aug. 25.
Netherland, Edward W., and J. R. Walker, Columbus, Ga. Stop motion mechanism. 1,816,738; July 28.
Netherland, Nita G., Ballsville, Va. Hose protector and advertising novelty. 1,824,832; Sept. 29.
Netschert, Franz., assignor to Technical Glass Company, Los Angeles, Calif. Latch. 1,814,954; July 14.
Nettekoven, Daniel, Escondido, Calif. Ant trap. 1,822,307; Sept. 8.
Nettleton, Lewis L., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electro-responsive apparatus. 1,789,907; Jan. 20.
Netz, Fritz, Odell, Nebr. Chain hook. 1,818,813; Aug. 11.
Neu, Karl B., Alhambra, Calif. Piston pin tool. 1,824,743; Sept. 22.
Neubauer, Charles, assignor to The Armstrong Mfg. Co., Bridgeport, Conn. Cutting tool. 1,814,763; July 14.
Neubeck, William F., Brooklyn, N. Y. Electric switch. 1,808,060; June 2.
Neubeck, William H. (See Heaton, H. C., Neubeck, and Reisfeld.)
Neuber, Fritz, and R. Nowak, assignors to O. Trebitsch, Vienna, Austria. Manufacture of metallized fibrous materials metallized with a noble metal. 1,790,615; Jan. 27.
Neubert, Oscar, jr., Long Beach, Calif. Dough molding machine. 1,811,208; June 23.
Neuberth, George E., Newark, N. J. Tapering metal tubes. 1,810,885; June 16.
Neuberth, George E., Newark, N. J. Method of and apparatus for working metal. 1,810,886; June 16.
Neuerburg'sche Verwaltungsgesellschaft m. b. H. (See Schünemann, Heinrich, assignor.)
Neufang, Henry J., assignor to Boggs Plow Company, Inc., Atlanta, N. Y. Plow. 1,793,002; Feb. 17.
Neufang, Henry J., assignor to Boggs Plow Company, Inc., Atlanta, N. Y. Plow. 1,793,242; Feb. 17.
Neufang, Henry J., assignor to Boggs Plow Company, Inc., Atlanta, N. Y. Draft appliance for tractors and the like. 1,799,862; Apr. 7.
Neufang, Henry J., assignor to Boggs Plow Company, Inc., Atlanta, N. Y. Plow. 1,838,279; Dec. 29.
Neufang, Henry J., Atlanta, and W. S. Waldo, Batavia, assignors, by mesne assignments, to Boggs Plow Company, Inc., Atlanta, N. Y. Coupling device. 1,813,075; July 7.
Neufeld, Martin W. (See Mathiesius, W., and Neufeld.)
Neugebauer, Wilhelm. (See Schmidt, M. P., and Neugebauer.)
Neugebauer, Wilhelm. (See Schmidt, M. P., Neugebauer, and Franke.)
Neuhaus, Frieda C., Los Angeles, Calif. Restaurant building. 1,795,791; Mar. 10.
Neuhausen, Oscar E. (See White, H. E., Hess, and Neuhausen.)
Neukam, Joseph, Jasper, Ind. Minnow plug bait. 1,828,574; Oct. 20.
Neuland, Alfons H., assignor to Electro-Mobile Corporation, Irvington, N. J. Electric system for vehicles. 1,820,861; Aug. 25.
Neuland, Alfons H., assignor to Electro-Mobile Corporation, Irvington, N. J. Electric system for vehicles. 1,820,862; Aug. 25.
Neuland, Alfons H., assignor to Electro-Mobile Corporation, Irvington, N. J. Electric system for vehicles. 1,820,863; Aug. 25.
Neuland, Alfons H., assignor to Electro-Mobile Corporation, Irvington, N. J. Electric system for vehicles. 1,820,864; Aug. 25.
Neuls, Joseph D., Whittier, Calif. Applying insecticides to vegetable matter. 1,792,860; Feb. 17.
Neuman, Jacob, St. Louis, Mo. Conduit. 1,799,436; Apr. 7.
Neuman, Jacob J., New York, N. Y. Bag filling apparatus. 1,823,283; Sept. 15.
Neuman, William L., jr., Seattle, Wash. Power scooter. 1,801,526; Apr. 21.
Neumann, Carl. (See Werner, W. H., and Neumann.)
Neumann, Gustav, New York, N. Y. Propeller attachment for boats. 1,802,351; Apr. 28.
Neumann, Gustave F., jr., Milwaukee, Wis. Machine for cutting slate, roofing tile, and the like. 1,838,782; Dec. 29.
Neumann, Hans. (See Schirmacher, K., Schlichenmaier, Kross, Schaich, Tampke, and Neumann.)
Neumann, John, Chicago, Ill. Bleaching paper pulp and the like. 1,799,601. Apr. 7.
Neumann, John, Chicago, Ill. Fiber bleaching. 1,828,338; Oct. 20.
Neumann, Richard G., Wandsbek, near Hamburg, Germany. Wind separator for coca powder. 1,826,086; Oct. 6.
Neumann, W. & G., the Firm. (See Klopfer, Henriette, assignor.)
Neumann, Wilhelm, Wurzburg, assignor to the Firm Schering-Kahlbaum A. G., Berlin, Germany. Acylated k-strophanthidine and producing same. 1,825,812; Oct. 6.
Neumark, Hans. (See Baron von Girsewald, Conway, and Neumark.)
Neumeyer, Fritz, Berlin-Charlottenberg, Germany. Letters, figures, and signs for exhibition from aircraft. 1,805,002; May 12.
Neumiller, Harry J., assignor to Humitube Mfg. Co., Peoria, Ill. Making special containers. 1,792,388; Feb. 10.
Neundlinger, Karl, Dessau in Anhalt, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of silicic acid sol. 1,835,420; Dec. 8.
Neuner, Frederick W. C., assignor to Indiana Lamp Corporation, Connersville, Ind. Multiple-compartment lamp. 1,789,152; Jan. 13.
Neuner, Frederick W. C., assignor to Indiana Lamp Corporation, Connersville, Ind. Headlamp locating and clamping band construction. 1,813,755; July 7.
Neuner, Frederick W. C., assignor to Indiana Lamp Corporation, Connersville, Ind. Vehicle lamp. 1,820,477; Aug. 25.
Neurath, Jacob. (See Abel, Emil, assignor.)
Neureuther, Andrew H., assignor to Western Clock Company, Peru, Ill. Electric driving mechanism. 1,811,278; June 23.
Neureuther, Andrew H., assignor to Western Clock Company, Peru, Ill. Electric driving mechanism. 1,823,556; Sept. 15.
Neuschotz, Robert, New York, N. Y. Automatic braking mechanism. 1,837,884; Dec. 22.
Neuwirth, Herman, New York, N. Y. Electric lamp for flashlight photography or similar article. Des. 83,568; Mar. 3.
Neuwirth, Herman, New York, N. Y. Sundial. 1,811,183; June 23.
Neuwirth, Herman, Brooklyn, N. Y. Combination pocket burning and magnifying glass, and compass. 1,838,494; Dec. 29.
Neva-Clog Products, Inc. (See Vogel, Max, assignor.)
Neves, George S., and A. dos S. Vigas, Somerville, Mass. Waterproof pocket. 1,837,918. Dec. 22.
Neveu, Albert A., Northboro, assignor to The Worcester Knitting Company, Worcester, Mass. Bathing suit. 1,814,451; July 14.
Neveu, Anselme, Livry-Gargan, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Slack adjusting device. 1,837,473; Dec. 22.
Nevin, Mendel, Brooklyn, N. Y. Syringe. 1,819,258; Aug. 18.
Nevins-Church Press, The. (See Davis, Albert G., assignor.)
Nevius, C. M., Inc. (See Nevius, Condict M., assignor.)
Nevius, Condict M., assignor to C. M. Nevius, Inc., Hornell, N. Y. Coffee-brewing device. 1,794,639; Mar. 3.
Nevius, Walter I., Peoria, Ill., assignor to Commercial Solvents Corporation, Terre Haute, Ind. High pressure joint. 1,835,963; Dec. 8.

New, Alvin G., assignor to Variety Fire Door Company, Chicago, Ill. Metal-frame door. 1,797,440; Mar. 24.
New, Gustave A., assignor to The American Gypsum Co., Port Clinton, Ohio. Reenforced and protected wall board edge. 1,805,840; May 19.
New, Gustave A., assignor to American Gypsum Company, Port Clinton, Ohio. Gypsum wallboard. 1,808,003; June 2.
Newall, Archibald P. (See Hey, H., Evans, Williams, and Newall.)
Newall, Sidney, Brantwood, Moore, assignor to Joseph Crosfield & Sons Limited, Warrington, England. Measuring apparatus. 1,827,602; Oct. 13.
Newark Brush Company. (See Nielsen, Laurits H., assignor.)
Newark Concrete Pipe Co. (See Hudson, Richard D., assignor.)
Newark Metal Screen Company. (See Frye, Charles O., assignor.)
Newark Wire Cloth Company. (See Campbell, Leggett C., assignor.)
Newberg, Emil, Brockton, Mass. Duplex wrench. 1,793,714; Feb. 24.
Newberger, Herman H. (See Weiner, Samuel E., assignor.)
Newbern, Robert L., Palestine, Tex. Lubricating compound. 1,839,159; Dec. 29.
Newberry, Fenton S., New Rochelle, assignor to American Lithographic Company, Inc., New York, N. Y. Saddling literation upon bottles. 1,815,268; July 21.
Newbold, David M. (See Corbus, Frederick G., assignor.)
New Britain-Gridley Machine Company, The. (See Brown, Robert S., assignor.)
New Britain-Gridley Machine Company, The. (See Gridley, George O., assignor.)
New Britain-Gridley Machine Company, The. (See Montgomery, Donald H., assignor.)
New Britain Machine Company, The. (See Coates, James H., assignor.)
New Britain Machine Company, The. (See Costello, William F., assignor.)
Newbury, Walter W. (See O'Neal, T. M., and Newbury.)
Newby, Neal D., Woodridge, N. J., assignor to American Telephone and Telegraph Company. Signaling system. 1,829,836; Nov. 3.
Newby, Neal D., Woodridge, N. J., assignor to American Telephone and Telegraph Company. Signaling system. 1,829,837; Nov. 3.
Newby, Walter, Aliquippa, Pa. Mechanical pack carrier for furnaces. 1,825,537; Sept. 29.
New Castle Refractories Company. (See Morris, George D., assignor.)
New Castle Refractories Company. (See Rowland, Roger W., assignor.)
Newcomb, Edward C., North Scituate, Mass. Two-cycle engine. 1,789,535; Jan. 20.
Newcomb, Edward C., South Bend, Ind. Internal combustion engine. 1,832,726; Nov. 17.
Newcomb, Frank E., East Cleveland, Ohio. Rubbing or sanding pad. 1,809,907; June 16.
Newcomb, Howard A., Durham, N. C., assignor to Automatic Dowel Lock Corporation. Fastening device. 1,830,127; Nov. 3.
Newcomb, Philip P., assignor to The Pratt & Whitney Aircraft Company, Hartford, Conn. Connecting rod for radial engine. 1,827,436; Oct. 13.
Newcombe, Albert, St. Charles, assignor, by mesne assignments, to J. B. Hawley, Geneva, Ill. Device for and making fibrous cones and the like. 1,819,300; Aug. 18.
Newcomer, Paul W. (See Armitage, Percy C., assignor.)
New Departure Manufacturing Company, The. (See Brown, Raymond L., assignor.)
New Departure Manufacturing Company, The. (See Doane, John A., assignor.)
New Departure Manufacturing Company, The. (See Hughes, Frederick G., assignor.)
New Departure Manufacturing Company, The. (See Hutchison, Raymond, assignor.)
New Departure Manufacturing Company, The. (See Ness, H. J., and Roth, assignors.)
New Departure Manufacturing Company, The. (See Stevens, Clarence C., assignor.)
New Departure Manufacturing Company, The. (See Stockwell, S. E., Murdock, Winzig, and Morris, assignors.)
New Diamond Polishing Tool Company of America, Inc. (See Loesser, E., and E. W., assignors.)
Newe, Robert A., Houston, Tex. Electromechanical annunciator. 1,823,332; Sept. 15.
Newell, Floyd B., and F. W. Stalker, assignors to Taylor Instrument Companies, Rochester, N. Y. Aneroid barometer. 1,798,216; Mar. 31.
Newell, Frank. (See D'Asteck, Emir L., assignor.)
Newell, George K., Level Green, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Back up whistle and application valve. 1,837,474; Dec. 22.
Newell, George W., Burlington, Wis. Brush. 1,813,076; July 7.
Newell, John A., et al. (See Kaminski, John, assignor.)
Newell, Robert E., Irwin, Pa. Valve structure. 1,790,353; Jan. 27.
Newell, Robert E., Irwin, Pa. Furnace-control apparatus. 1,794,530; Mar. 3.
Newell, Robert E., Irwin, Pa. Valve structure. 1,794,531; Mar. 3.
Newell, Robert E., Irwin, Pa. Thermostat. 1,831,077; Nov. 10.
Newell, Wallace L., Seattle, Wash. Aerial tramway. 1,801,527; Apr. 21.
New England Deaconess Association. (See Lahey, Frank H., assignor.)
New England Lace Mills, Inc. (See Adaire, William R., assignor.)
New England Lace Mills, Inc. (See Daudy, Marc H., assignor.)
New England Lace Mills, Inc. (See Edson, Bert, assignor.)
New England Mica Co. (See Cooper, Henry W., assignor.)
New England Structural Products Co. (See Symonds, Ralph F., assignor.)
New England Trawler Equipment Co. (See Symonds, Ralph F., assignor.)
New England Wood Heel Co. (See Shaw, Wesley J., assignor.)
New England Wood Heel Co. (See Shaw, W. J., and Bastow, assignors.)
New Era Electro Devices. (See Whitehead, Connie W., assignor.)
Newhall, Carl A. (See Ashworth, F., and Newhall.)
Newhall, Charles A., Seattle, Wash. Hydraulic cement concrete and mortar. 1,802,667; Apr. 28.
Newhall, Henry B., Corporation. (See Hescock, Ethan N., assignor.)
Newhall, Henry B., Corporation. (See Karitzky, John, assignor.)
Newhall, Henry B., Corporation. (See Pleister, Henry W., assignor.)
Newhall, Henry B., Corporation. (See Pleister, H. W., and Karitzky, assignors.)
New Haven Clock Co., The. (See Porter, Wilson E., assignor.)
New Haven Clock Co., The. (See Whitehead, R. H., and Porter, assignors.)
Newhouse, George A., assignor of one-half to C. H. Wright, Yorktown, Ind. Auxiliary gearing. 1,820,886; Aug. 25.
Newhouse, Ray C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power-transmitting mechanism. 1,792,921; Feb. 17.
Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Crusher. 1,799,476; Apr. 7.
Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Crusher. 1,799,477; Apr. 7.
Newhouse, Ray C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Producing cement. 1,834,963; Dec. 8.
New Idea Spreader Company, The. (See Nichols, W. S., and Miller, assignors.)
New Idea Spreader Co., The. (See Oppenheim, Theodore H., assignor.)
New Idea Spreader Company, The. (See Synck, Henry, assignor.)
Newill, Edward B., assignor to General Motors Radio Corporation, Dayton, Ohio. Radio control. 1,836,490; Dec. 15.
New Jersey Button Works. (See Clemens, Emanuel, assignor.)
New Jersey Clock Company. (See Jauch, Martin, assignor.)
New Jersey Machine Corporation. (See Feybusch, Martin, assignor.)
New Jersey Machine Corporation. (See Fleischer, P. W., and Feybusch, assignors.)
New Jersey Machine Corporation. (See Fleischer, P. W., Feybusch, Hammer, and Dans, assignors.)
New Jersey Zinc Company, The. (See Anderson, E. A., and Kelton, assignors.)
New Jersey Zinc Company, The. (See Borcherdt, Walter O., assignor.)
New Jersey Zinc Company, The. (See Breyer, Frank G., assignor.)
New Jersey Zinc Company, The. (See Bunce, Earl H., assignor.)
New Jersey Zinc Company, The. (See Bunce, E. H., and Mahler, assignors.)
New Jersey Zinc Company, The. (See Bunce, E. H., and Routson, assignors.)
New Jersey Zinc Company, The. (See Cyr, H. M., and Waring., assignors.)
New Jersey Zinc Company, The. (See Farber, Clayton W., assignor.)
New Jersey Zinc Company, The. (See Flynn, E. J., and Hooey, assignors.)
New Jersey Zinc Company, The. (See Hooey, William C., assignor.)
New Jersey Zinc Company, The. (See Mahler, G. T., Handwerk, and Bunce, assignors.)
New Jersey Zinc Company, The. (See Peirce, W. M., and Anderson, assignors.)
New Jersey Zinc Company, The. (See Rowand, L. G., and Pellett, assignors.)
Newkirk, Frank, assignor to New York & Brooklyn Casket Co., New York, N. Y. Metallic lining for caskets. 1,794,793; Mar. 3.
Newkirk, Harland D., Syracuse, N. Y., assignor to Onondaga Steel Company, Inc. Rotary furnace. 1,809,563; June 9.
New, Lawrence A., et al. (See Bowersox, Joseph W., assignor.)
New, Lawrence A. (See Newman, G. I., and New.)

Newlin, George E., assignor of one-half to E. P. Ingle, Los Angeles, Calif. Oil well cleaner. 1,802,525; Apr. 28.
Newman, Arthur S., Highgate, assignor to Kodak, Limited, Holborn, London, England. Cinematograph apparatus. 1,803,864; May 5.
Newman, Charles, New York, N. Y., and E. G. Appleton, assignors to Roach-Appleton Manufacturing Company, Chicago, Ill. Outlet receptacle. 1,820,626; Aug. 25.
Newman, Delbert F., Schenectady, N. Y., assignor to General Electric Company. Condenser for refrigerating systems. 1,821,765; Sept. 1.
Newman, Fred R., St. Louis, Mo. Dehairing machine. 1,815,929; July 28.
Newman, George I., and L. A. New, assignors to United Spring Corporation, Chicago, Ill. Spring construction. 1,837,828; Dec. 22.
Newman, George I., and L. A. New, assignors to United Spring Corporation, Chicago, Ill. Spring construction. 1,837,885; Dec. 22.
Newman, George W., Chicago, Ill., assignor to Wilson-Jones Co. Loose-leaf binder. 1,794,917; Mar. 3.
Newman, Isidor, New York, N. Y. Protecting device for stamping presses. 1,797,239; Mar. 24.
Newman, Isidor, New York, N. Y. Closure for receptacles. 1,818,574; Aug. 11.
Newman, Isidor, New York, N. Y. Dispensing spout for cans. 1,831,188; Nov. 10.
Newman, Isidor, Bronx, N. Y. Frangible seal for receptacles. 1,805,003; May 12.
Newman, Jerome J., et al. (See Nadeo, James assignor.)
Newman, John A., et al. (See Jacquesson, André, assignor.)
Newman Manufacturing Company, The. (See Dreker, Stanley C., assignor.)
Newman, Maude M., et al. (See Lombard, Thomas R., assignor.)
Newman, Milton T., Jacksonville, Fla. Container for insecticides, etc. 1,804,891; May 12.
Newman, Nathan E., Bronxville, N. Y. Structural slab or panel. 1,789,111; Jan. 13.
Newman, Neal E., St. Louis, Mo., and F. A. Niemann, assignors to Felt & Tarrant Manufacturing Company, Chicago, Ill. Record sheet holder for facilitating distribution of accounts. 1,817,640; Aug. 4.
Newman, R. M., et al. (See Mitchell, Charles G., assignor.)
Newman-Rudolph Lithographing Co. (See Horwarth, Julius, assignor.)
Newman, Samuel, assignor to J. Schoeneman, Incorporated, Baltimore, Md. Patch pocket. 1,818,738; Aug. 11.
Newman, Samuel F., assignor to Landis Machine Company, Waynesboro, Pa. Collapsible tap. 1,811,802; June 23.
Newman, Samuel S., Winfield, Kans. Alarm. 1,828,979; Oct. 27.
Newman, Thomas S., Okmulgee, Okla. Closure cap for collapsible and other containers. 1,806,364; May 19.
Newman, W. J., Company. (See Gault, John J., assignor.)
Newman, Walter H., et al. (See Lombard, Thomas R., assignor.)
Newman, William J., Chicago, Ill. Apparatus for drilling wells. 1,826,087; Oct. 6.
Newmann, Frederick. (See Hogg, W. J., and Newmann.)
Newmann, John, Glendale, C. G. Hensley, receiver, New York, N. Y. Radial motor. 1,823,464; Sept. 15.
New Martinsville Glass Mfg. Co. (See McEldowny, Robert E., assignor.)
Newnham, Eugene, assignor to Galvin Electric Mfg. Co., St. Louis, Mo. Mixer. 1,790,242; Jan. 27.
Newport Chemical Corporation. (See Gubelmann, I., Goodrich and Howell, assignors.)
Newport Chemical Corporation. (See Gubelmann, I., Oesch, and Havas, assignors.)
Newport Chemical Corporation. (See Gubelmann, I., and Tinker, assignors.)
Newport Chemical Corporation. (See Gubelmann, I., and Weiland, assignors.)
Newport Chemical Corporation. (See Gubelmann, I., Weiland, and Stallmann, assignors.)
Newport Chemical Corporation. (See Lee, H. R., and Gubelmann, assignors.)
Newport Chemical Corporation. (See Murphy, A. R., and Oesch, assignors.)
Newport Chemical Corporation. (See Ulich, Lynne H., assignor.)
Newport Chemical Corporation. (See Weiland, H. J., and Gubelmann, assignors.)
Newport Chemical Corporation. (See Zinner, Daniel, assignor.)
Newport Company, The. (See Gubelmann, I., and Henke, assignors.)
Newport Company, The. (See Logan, William B., assignor.)
Newport Company, The. (See Palmer, Robert C., assignor.)
Newport Company, The. (See Palmer, R. C., and Henke, assignors.)
Newport, Jesse H., Kenilworth, Ill. Water heater. 1,812,253; July 7.
Newport Manufacturing Company. (See Schroeter, Georg, assignor.)
Newport News Shipbuilding and Dry Dock Company. (See Terry, Roger V., assignor.)
Newsom, Joseph N., St. Louis, Mo. Plow. 1,836,984; Dec. 15.
Newsom, Lewis W., assignors to E. Burns, and G. M. Boulter, Los Angeles, Calif. Jar for drilling operations. 1,798,337; Mar. 31.
Newsome, Ralph G., Newport News, Va. Grading level. 1,805,004; May 12.
Newson, Hugh R. (See Ives, H. C., and Newsom.)
Newspaper Mechanical Sales Company. (See Schofield, John G., assignor.)
Newspaper Stuffing Machine Company, The. (See Halvorsen, Severin, assignor.)
Newton, Andy. (See Fugle, C. H., Ostenberg, Maglein, Trudo, and Newton.)
Newton, Bertha M., Sapulpa, Okla. Music instruction board. 1,816,865; Aug. 4.
Newton, Carl D. (See Long, Millard E., assignor.)
Newton, Carl D. (See de Silva, R., and Long, assignors.)
Newton, Carl D., and R. de Silva, San Antonio, Tex.; said de Silva assignor to said Newton. Photographic-printing-machine frame. 1,796,213; Mar. 10.
Newton, Carl D., and R. de Silva, San Antonio, Tex.; said de Silva assignor to said Newton. Negative holder. 1,822,783; Sept. 8.
Newton, Clarence D., assignor to The American Heat Transfer Company, Cleveland, Ohio. Heat exchange apparatus. 1,832,412; Nov. 17.
Newton, E. C., Corporation. (See Newton, Edward C., assignor.)
Newton, Edward C., assignor to E. C. Newton Corporation, Los Angeles, Calif. Piston ring squeezer. 1,821,356; Sept. 1.
Newton, Edwin B., assignor to American Anode, Inc., Akron, Ohio. Manufacturing rubber articles. 1,797,240; Mar. 24.
Newton, Frank E. (See Crosby, R. S., and Newton.)
Newton, Frank E., Hartford, Conn. Hopper feed. 1,794,794; Mar. 3.
Newton, Frank E., Hartford, Conn. Self-centering drive screw. 1,802,668; Apr. 28.
Newton, Frank H., Los Angeles, Calif., assignor to The Electro Thermal Company, Steubenville, Ohio. Dilator. 1,826,284; Oct. 6.
Newton, Frederick, Derby, England. Wind turbine. 1,833,403; Nov. 24.
Newton, Harry E., Hardy, Iowa. Grapple for storage batteries and the like. 1,811,730; June 23.
Newton, Herbert B. and T. C., N. Brookline, assignors to Auto Sicke Company, Boston, Mass. Lawn mower. 1,837,725; Dec. 22.
Newton, Herbert E., Tonbridge, England. Lifting jack. 1,825,702; Oct. 6.
Newton, Jay E., Madison, Wis. Incense burner. 1,824,055; Sept. 22.
Newton, Noël B., Acton, London, England. Shock absorber. 1,791,832; Feb. 10.
Newton, Ora L., Kansas City, Mo. Garment stretcher. 1,824,293; Sept. 22.
Newton, Richard T., New York, N. Y. Vibratory machine. 1,814,606; July 14.
Newton, Robert C., Needham, assignor to H. F. Livermore Co., Allston, Mass. Dobby lever. 1,811,209; June 23.
Newton, Robert S., Watertown, N. Y., assignor to The New York Air Brake Company. Back-up valve. 1,834,253; Dec. 1.
Newton, Roy S. (See Weller, J. H., and Newton.)
Newton, Sam, Altrincham, assignor to Linotype and Machinery Limited, London, England. Inking mechanism of intaglio-printing machines. 1,794,316; Feb. 24.
Newton, Thomas C. (See Newton, Herbert B. and T. C.)
Newton & Thompson Manufacturing Company. (See Cahill, Thomas, assignor.)
Newton, Wiliam T., assignor to The Artkraft Sign Company, Lima, Ohio. Method and apparatus for producing raised configurations on metallic surfaces. 1,837,629; Dec. 22.
New Way Luggage Carrier Co. (See Bryant, William A., assignor.)
New York Air Brake Company, The. (See Bickel, Henry F., assignor.)
New York Air Brake Company, The. (See Bloom, Samuel C., assignor.)
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
New York Air Brake Company, The. (See Campbell, C. A., and Cartin, assignors.)
New York Air Brake Company, The. (See Newton, Robert S., assignor.)
New York Air Brake Company, The. (See Silicox, Lewis K., assignor.)
New York Belting & Packing Company. (See Hopkinson, E., and Gibbons, assignors.)
New York Brick Handling Corporation. (See Dupuy, Arthur O., assignor.)
New York Brick Handling Corporation. (See Wallace, William W., assignor.)
New York & Brooklyn Casket Co. (See Newkirk, Frank, assignor.)
New York Knife Company. (See Fuller, James E., assignor.)
New York Power & Light Corporation. (See Delacour, Henry M., assignor.)
News Projection Corporation. (See Eitzen, August D., assignor.)

Ney, Adolphe H., Passaic, N. J., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Manufacturing substituted mercapto-benzo-thiazoles. 1,788,585; Jan. 13.
Ney, Eugene J., New York, N. Y. Window ventilator. 1,798,348; Mar. 31.
Niagara Blower Company. (See Bulkeley, Claude A., assignor.)
Niagara Electro Chemical Company, The. (See Baum, Gustav, assignor.)
Niagara Fold, Inc. (See Fleming, John S., assignor.)
Niagara Machine and Tool Works. (See Hahnemann, Paul R., assignor.)
Niagara Smelting Corporation. (See Brallier, P. S., Dunlap, and Muggleton, assignors.)
Niagara Sprayer Company. (See Knapp, E., and Allgrunn, assignors.)
Niblock, Frederick, Singapore, Straits Settlements. Milling machine attachment. 1,830,128; Nov. 3.
Nice, Budd G., Hatboro, Pa. Caster. 1,791,833; Feb. 10.
Nicely, George W., Montreal, Quebec, assignor to British American Silk Mills Limited, Montreal, Canada. Feeler motion for automatic silk looms. 1,811,590; June 23.
Nicetown Manufacturing Company. (See Keeney, Edgar, assignor.)
Nichol, Orr T., assignor of one-half to L. B. Cohn, Omaha, Nebr. Rotary combustion engine. 1,790,280; Jan. 27.
Nicholas, Frederick. (See Jones, A. J., and Nicholas.)
Nicholas, John P., Enumclaw, Wash. Adjustable crayon holder. 1,798,029; Mar. 24.
Nicholas, Victor. (See Federico, L., and Nicholas.)
Nicholls, Henry M., Chicago, Ill., assignor to American Can Company, New York, N. Y. Compartment can. 1,814,180; July 14.
Nichols Copper Company. (See Brockway, George G., assignor.)
Nichols Copper Company. (See Connolly, George E., assignor.)
Nichols Copper Company. (See Fitzpatrick, E., Clark, and Tiernan, assignors.)
Nichols Copper Company. (See Fowler, Edward J., assignor.)
Nichols Copper Company. (See Fowler, E. J., and Baird, assignors.)
Nichols Copper Company. (See Hartley, H. J., and Schilling, assignors.)
Nichols, Edgar B., Rochester, N. Y. Milk-treatment tank. 1,797,014; Mar. 17.
Nichols, Edward C., Upton, assignor to Draper Corporation, Hopedale, Mass. Shuttle feeler for looms. 1,820,821; Aug. 25.
Nichols, Eugene D., Fortuna, Mo. Baling press. 1,825,600; Sept. 29.
Nichols, George B., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tube-end buffer. 1,790,354; Jan. 27.
Nichols, Hart E., Phoenix, Ariz. Rotary internal-combustion engine. 1,792,026; Feb. 10.
Nichols, Henry J., jr., Roselle, and E. W. Luster, Westfield, N. J., assignors to Standard Oil Development Company. Treating gases. 1,799,619; Apr. 7.
Nichols, John, Bluff City, Ark. Subsoil attachment for plows. 1,800,899; Apr. 14.
Nichols, John M., Hempstead, N. Y. Attachment for fastening trays or the like to supporting structures. 1,801,637; Apr. 21.
Nichols, John S., Pittsfield, Mass., assignor to General Electric Company. Expulsion fuse. 1,833,849; Nov. 24.
Nichols, Katherine, and R. Bettien, Chicago, Ill.; said Bettien assignor to said Nichols. Telephone. 1,825,471; Sept. 29.
Nichols, Lawrence B., Inglewood, assignor of one-half to W. B. Stewart, Los Angeles, Calif. Garden hose nozzle. 1,838,438; Dec. 29.
Nichols, Louis C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Transformer or the like. 1,793,820; Feb. 24.
Nichols, Louis C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Cooling system. 1,836,864; Dec. 15.
Nichols, Orvin N. (See Holden, J. N., and Nichols.)
Nichols Products Corporation. (See Plews, William J., assignor.)
Nichols, Roscoe W., assignor to Oil Products Appliance Co., Maywood, Ill. Flow indicator for oil display pumps. 1,809,350; June 9.
Nichols, Thomas W., London, England. Rotary compressor. 1,787,543; Jan. 6.
Nichols, Thomas W., London, England. Rotary pump. 1,802,527; Apr. 28.
Nichols, Winfield S., Rockford, Ill. Lawn mower. 1,804,703; May 12.
Nichols, Winfield S., Rockford, Ill. Lawn mower. 1,834,964; Dec. 8.
Nichols, Winfield S., and H. D. Miller, Sandwich, Ill., assignors, by mesne assignments, to The New Idea Spreader Company, Coldwater, Ohio. Lawn mower. 1,836,386; Dec. 15.
Nicholson, Albert H. (See Dunbar, G. S., Nicholson, and Barry.)
Nicholson, Albert H., assignor to The Federal Glass Company, Columbus, Ohio. Glass tumbler or article of similar nature. Des. 84,792; Aug. 4.
Nicholson, Alexander W., Dickerson Run, Pa. Feed valve for air brake systems. 1,812,361; June 30.
Nicholson, Charles E., Detroit, Mich. Roller screen. 1,803,674; May 5.
Nicholson, Coleman L. (See Morey, H. J., and Nicholson.)
Nicholson, Frank H. (See Allison, L. R., and Nicholson.)
Nicholson, Frank H., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,837,789; Dec. 22.)
Nicholson, Henry H., Old Washington, Ohio. Apparatus for roasting ores. 1,819,436; Aug. 18.
Nicholson, John T., Laramie, Wyo. Transparent tile and making same. 1,804,508; May 12.
Nicholson, Leslie G., Saint Helena, Calif. Motor vehicle. 1,796,339; Mar. 17.
Nicholson, Leslie G., St. Helena, Calif. Motor vehicle. 1,835,077; Dec. 8.
Nicholson, Nicholas A., Johnstown, Pa. Motion-picture apparatus. 1,800,745; Apr. 14.
Nicholson, Robert H., assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener slider. 1,833,689; Nov. 24.
Nicholson, Samuel T., assignor to Vulcan Iron Works, Wilkes-Barre, Pa. Self locking floating tire. 1,832,784; Nov. 17.
Nicholson, Soterios. (See Rentos, Constantinos G., assignor.)
Nicholson, Stanley W. (See Lawrence, J. D., and Nichols.)
Nicholson, Stanley W., assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Gear segment for window regulators. 1,788,168; Jan. 6.
Nicholson, Stanley W., assignor to The Loclif Company, Toledo, Ohio. Operating device for windows and the like. 1,797,786; Mar. 24.
Nicholson, Stanley W., assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Window-control mechanism. 1,798,553; Mar. 31.
Nicholson, Stanley W., assignor, by mesne assignments, to The Dura Company, Toledo, Ohio. Window regulator. 1,818,641; Aug. 11.
Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Window regulator. 1,818,642; Aug. 11.
Nickel, Oscar, Mulheim-Ruhr, and R. Markwitz, Duisburg, Germany. Manufacture of cement. 1,834,799; Dec. 1.
Nickell, Charles F., R. M., and H. E., Glendale, Calif. Signal-light switch. 1,787,833; Jan. 6.
Nickell, Harry E. (See Nickell, Charles F., R. M., and H. E.)
Nickell, Randsome M. (See Nickell, Charles F., R. M., and H. E.)
Nickerson, Alma N., assignor, by mesne assignments, to Highway Service, Incorporated, New Bedford, Mass. Road spreading machine. 1,818,500; Aug. 11.
Nickerson, Cassious W., Bandon, Oreg., assignor of one-twentieth to H. C. Harnagel. Lifting and transferring device. 1,817,264; Aug. 4.
Nickerson, Ira L., Sound Beach, Conn., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Refrigerating apparatus. 1,818,348; Aug. 11.
Nickerson, William H., Newton, Mass. Making pronged sheet-metal stiffeners. 1,801,018; Apr. 14.
Nickerson, William H., Newton, Mass. Orthopedic footwear. 1,806,409; May 19.
Nickl, Josef, assignor to Mauser-Werke A. G., Oberndorf A. N., Germany. Safety device for firearms. 1,818,086; Aug. 11.
Nickle, Clifford A., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,788,247; Jan. 6.
Nickle, Clifford A., Schenectady, N. Y., assignor to General Electric Company. Circuit making and breaking device. 1,821,813; Sept. 1.
Nickle, Clifford A., Schenectady, N. Y., assignor to General Electric Company. Circuit interrupter. 1,821,814; Sept. 1.
Nickle, Clifford A., Schenectady, N. Y., assignor to General Electric Company. Electrical power transmission. 1,825,624; Sept. 29.
Nickles, Edward B. (See Moore, R. S., and Nickles.)
Nicklos, John. (See Griswold, E. H., and Nicklos.)
Niclausse, Albert. (See Niclausse, Jules and A.)
Niclausse, Jules and A., Paris, France. Steam generator. 1,793,867; Feb. 24.
Nicodemus, Otto, and W. Berndt, Hochst-on-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Polycyclic compound containing the -CO- group and making same. 1,803,205; Apr. 28.
Nicodemus, Otto, Frankfort-on-the-Main-Hochst, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Extracting acetylene of high value from gases poor in acetylene. 1,813,946; July 14.
Nicolai, Arthur F. (See Stevens, E. R., and Nicolai.)
Nicolai, Arthur F., Portland, Oreg. Device for assembling elements for coating in mass production. 1,838,701; Dec. 29.
Nicolai, Charles A. (See Ferguson, J. E., and Nicolai.)
Nicolas, Herbert B., Charltonville, Manchester, and T. R. Fothergill, Rossendale, England. Metal printing rollers and printing plates. 1,804,024; May 5.
Nicolaysen, Herman A. (See Sönnichsen, F., Frisch, and Nicolaysen.)
Nicolini, Pablo F., Buenos Aires, Argentina. Apparatus for producing perfect combustion. 1,795,345; Mar. 10.
Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Composite piezo-electric acoustic device. 1,788,405; Jan. 13.

Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Mechanically-self-excited piezo-electric stabilizing modulator. 1,796,116; Mar. 10.
Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Double-grid piezo-electric modulation. 1,796,117; Mar. 10.
Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Orientation of component crystals in composite piezo-electric devices. 1,798,101; Mar. 24.
Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Sensitized phonograph apparatus. 1,798,750; Mar. 31.
Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Piezo-electric-crystal stabilizer-modulator. 1,801,636; Apr. 21.
Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Double reentrant cone loud speaker. 1,809,597; June 9.
Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Piezo electric crystal apparatus. 1,813,461; July 7.
Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Thermionic device. 1,814,327; July 14.
Nicolson, Alexander M., New York, assignor, by mesne assignments, to Federal Telegraph Company. Eccentric drive cone loud speaker. 1,823,118; Sept. 15.
Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Cathode for thermionic devices. 1,823,984; Sept. 22.
Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Piezo-electric crystal transformer. 1,829,234; Oct. 27.
Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Cast piezo-electric device. 1,830,328; Nov. 3.
Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Federal Telegraph Company. Frequency control for oscillation generators. 1,830,329; Nov. 3.
Nicomede, Joseph W., Altoona, Pa. Support for musical instruments. 1,791,088; Feb. 3.
Niconoff, Dimitry. (See Fowler, M. G., and Niconoff.)
Niebel, Gottfried, New York, N. Y. Electric bulb or similar article. Des. 83,341; Feb. 17.
Niebel, Gottfried, New York, N. Y. Electric bulb or similar article. Des. 83,696; Mar. 17.
Niebel, Gottfried, New York, N. Y. Electric bulb or similar article. Des. 83,741; Mar. 24.
Niebel, Gottfried, New York, N. Y. Electric bulb or similar article. Des. 83,827; Mar. 31.
Niebel, Gottfried, New York, N. Y. Electric bulb or similar article. Des. 83,909; Apr. 14.
Niedecken, Edward F., Milwaukee, Wis., and W. I. Jones, Joliet, Ill. Drain connection. 1,836,491; Dec. 15.
Niederhauser, Jack G., et al. (See Burgen, Fred F., assignor.)
Niederhauser, Sallie, et al. (See Burgen, Fred F., assignor.)
Niederlitz, Joseph D., Rochester, N. Y. Pack of playing cards. Des. 83,342; Feb. 17.
Niedermayer, Carl, assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Regulating safety valve for hydraulic shock absorbers. 1,828,432; Oct. 20.
Niederreither, Hans, and W. Ernst, Munich, assignors to the firm Lawaczeck Gesellschaft mit beschrankter Haftung, Berlin, Germany. Regulating the circulation of the electrolyte in pressure decomposers with a separate circulation of the anolyte and catholyte. 1,819,917; Aug. 18.
Niedringhaus, Inc. (See Woehler, Henry G., assignor.)
Niele, Edward A., Pittsburgh, Pa. Indicator device. 1,797,553; Mar. 24.
Niëloud, Charles, Marseille, France. Electrically heated apparatus for drying coffee and the like. 1,812,016; June 30.
Nielsen, Albert E., Oslo, Norway. Manufacture of cellulose. 1,816,739; July 28.
Nielsen, Arild A. M., Brooklyn, N. Y. Electric swivel connection. 1,800,698; Apr. 14.
Nielsen, Carl A. (See Morton, W. A., and Nielsen.)
Nielsen, Carl E., Spencer, Iowa. Adjustable foot rest. 1,801,609; Apr. 21.
Nielsen, Charles I., Weehawken, N. J. Lifeboat. 1,795,437; Mar. 10.
Nielsen, Emanuel, assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Hair drier. 1,821,525; Sept. 1.
Nielsen, Emanuel, assignor to Hamilton Beach Mfg. Co., Racine, Wis. Vacuum cleaner brush mounting. 1,835,321; Dec. 8.
Nielsen, Emil J., assignor, by mesne assignments, to The San-Duro Manufacturing Co., Rockford, Ill. Toilet seat or cover hinge construction. 1,830,330; Nov. 3.
Nielsen, Harald. (See Patart, G., and Nielsen.)
Nielsen, Harald, Bromley, and B. Laing, Westminster, England. Distillation of carbonaceous materials. 1,830,884; Nov. 10.
Nielsen, Harry, Askov, Minn. Fence post. 1,817,832; Aug. 4.
Nielsen, Jens P., Chicago, Ill. Package holder. 1,838,860; Dec. 29.
Nielsen, Jens P., Chicago, Ill. Package holder. 1,838,861; Dec. 29.
Nielsen, Jens P., assignor, by mesne assignments, to Horace Hills, Inc., Reno, Nev. Electric-lamp-socket circuit interrupter. Re18,008; Mar. 24.
Nielsen, John. (See Feinberg, M., and Nielsen.)
Nielsen, Laurits H., Kolding, Denmark, assignor to Newark Brush Company. Apparatus for making rotary brushes. 1,818,087; Aug. 11.
Nielsen, Laurits M., assignor to Wizard Adding Machine Company, Fitchburg, Mass. Calculating machine. 1,797,995; Mar. 24.
Nielsen, Martin A., Odense, Denmark. Cargo hatchway. 1,795,571; Mar. 10.
Nielsen, Niels P., Custer, Wash. Hen house dropping board cleaner. 1,806,816; May 26.
Nielsen, Vilhelm C. H., Frederiksberg by Copenhagen, Denmark. Bottle closure. 1,838,323; Dec. 29.
Nielson, Andrew S., and R. S. Abernethy, Marpole, British Columbia, Canada. Rear braking system for motor vehicles. 1,798,102; Mar. 24.
Nielson, Pontus W. G., Greensboro, N. C., assignor to Monarch Machine and Manufacturing Company, Incorporated. Feed mixer. 1,795,792; Mar. 10.
Nieman, Henry W., Bethlehem, Pa., assignor to Bethlehem Steel Company. Power transmission mechanism. 1,818,643; Aug. 11.
Nieman, Henry W., and J. P. Madden, Bethlehem, Pa., assignors to Bethlehem Steel Company. Clutch. 1,823,912; Sept. 22.
Niemann, Clarence, and H. E. Schmidt, Litchfield, Ill. Agricultural machine. 1,836,767; Dec. 15.
Niemann, Frederick A. (See Newman, N. E., and Niemann.)
Niemann, Frederick A., assignor to Felt & Tarrant Mfg. Co., Chicago, Ill. Calculating machine. 1,818,425; Aug. 11.
Niemann, Karl, and E. Leuteritz, assignors to the firm Siemens-Reiniger-Veifa Gesellschaft fur medizinische Technik m. b. H., Berlin, Germany. Regulating system for transformers. 1,820,242; Aug. 24.
Niemeyer, Alvin D., St. Louis, Mo. Ice-cream cone. Des. 83,742; Mar. 24.
Niemeyer, William, Sheridan, Tex. Aeroplane. 1,805,994; May 19.
Niemi, Andrew, Hancock, Mich. Boot tree. 1,828,937; Oct. 27.
Niemi, Matti, Seattle, Wash. Aeroplane launching device. 1,832,499; Nov. 17.
Niemtzow, Samuel, Freehold, N. J. Fountain writing implement. 1,794,533; Mar. 3.
Nies, Arnold V., Cincinnati, Ohio. Sanitary knife scabbard. 1,812,302; June 30.
Nies, Frank J., Glen Ridge, N. J., assignor to The Peelle Company, Brooklyn, N. Y. Canopy-type door. 1,787,589; Jan. 6.
Nies, John D., assignor to Kimble Electric Company, Chicago, Ill. Electric-motor support. 1,795,313; Mar. 10.
Nietsche, Hans E., Detroit, Mich. Power-transmission apparatus. 1,798,269; Mar. 31.
Nieuwland, Julius A., Notre Dame, Ind., assignor to Canadian Electro Products Company, Limited, Montreal, Canada. Vulcanization accelerator and manufacture thereof. 1,804,226; May 5.
Nieuwland, Julius A., Notre Dame, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl derivatives of acetylene and preparing the same. 1,811,959; June 30.
Nieuwland, Julius A., Notre Dame, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous product and preparing the same. 1,812,541; June 30.
Nieuwland, Julius A., Notre Dame, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic process for the preparation of vinyl chloride. 1,812,542; June 30.
Nieuwland, Julius A., Notre Dame, Ind., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acetals of alkyl ethers of polyethylene glycols. 1,824,963; Sept. 29.
Nifticraft Moulding Works, Inc. (See Oulton, Charles B.)
Niggle, Alfred F., jr., Grand Rapids, Mich. Shoe heel. 1,831,925; Nov. 17.
Nightingale, Edgar L. (See Nightingale, Francis B., assignor.)
Nightingale, Francis B., Pasadena, assignor to E. L. Nightingale, Los Angeles, Calif. Hanger for suspension lighting fixtures. 1,813,863; July 7.
Nigrolit-Werke, G. m. b. H. (See Schellhorn, Fritz, assignor.)
Nihon Densen Seizo Kabushiki Kaisha. (See Teramoto, Kumatoshi, assignor.)
Nikitin, Alexander A., Passaic, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Preservation of latex. 1,801,754; Apr. 21.
Nikitin, Alexander A., Passaic, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Preservation of latex. 1,823,119; Sept. 15.
Niklas, George A. (See Schuhbauer, F. X., and Niklas.)
Nikoloff Kostl, Detroit, Mich. Electric bulb. 1,832,413; Nov. 17.

Nikonow, John P., New York, N. Y. Key holder. 1,815,209; July 21.
Niks, Nickolas J., Chillicothe, Ohio. Paper machine. 1,818,267; Aug. 11.
Niles, Glenn H., Ridgewood, N. J., assignor of one-half to Doherty Research Company and one-half to A. E. Truesdell, Pittsfield, Mass. Method of and apparatus for burning carbonate rock. 1,798,802; Mar. 31.
Niles, Harry F., Chicago, Ill. Envelope. 1,815,323; July 21.
Niles Steel Products Company, The. (See Fitzgerald, James E., assignor.)
Niles Steel Products Company, The. (See Thomas, David W., assignor.)
Niles Steel Products Company, The. (See Thomas, W. B., and Sprague, assignors.)
Nilsen, Carl D., Los Angeles, Calif. Tile panel strip construction. 1,806,948; May 26.
Nilson, Carl E. J., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Electromagnetic relay. 1,812,545; June 30.
Nilson, Carl E. J., and D. L. Lienzén, assignors to Telefon Aktiebolaget L. M. Ericsson, Stockholm, Sweden. Automatic and semiautomatic telephone system. 1,812,546; June 30.
Nilson, Fred W., assignor of one-half to N. Nelson, Worcester, Mass. Hook. 1,790,831; Feb. 3.
Nilson, Gustaf A., Chicago, Ill. Shower-bath construction. 1,800,562; Apr. 14.
Nilson, Gustaf A., Chicago, Ill. Shower compartment. 1,817,641; Aug. 4.
Nilson, Leonard D., Wayzata, Minn. Planetary operating mechanism for lifting jacks. 1,821,231; Sept. 1.
Nilson, Leonard D., Wayzata, assignor to Marquette Manufacturing Company, St. Paul, Minn. Disconnectible driving mechanism. 1,790,243; Jan. 27.
Nilson, Leonard D., Wayzata, assignor to Marquette Manufacturing Company, St. Paul, Minn. Driving unit and controlling mechanism for cranes and the like. 1,790,281; Jan. 27.
Nilson, Leonard D., Wayzata, assignor to Marquette Manufacturing Company, St. Paul, Minn. Planetary gear operated lifting jack. 1,805,841; May 19.
Nilson, Leonard D., Wayzata, assignor to Marquette Manufacturing Company, St. Paul, Minn. Hydraulic jack structure. 1,811,556; June 23.
Nilson, Leonard D., Wayzata, assignor to Marquette Manufacturing Company, St. Paul, Minn. Curb hydraulic and general garage service jack. 1,819,378; Aug. 18.
Nilson, Leonard D., Wayzata, assignor to Marquette Manufacturing Company, St. Paul, Minn. Hydraulic lifting jack. 1,834,547; Dec. 1.
Nilson, Nils D., assignor to Patentaktiebolaget Velock, Stockholm, Sweden. Locking device for nuts and screws. 1,795,570; Mar. 10.
Nilsson, Nils E., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Call metering circuits in telephone systems. 1,833,586; Nov. 24.
Nilsson, Nils E., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Call metering in telephone systems. 1,835,893; Dec. 8.
Nilsson-Stig, Torsten, Umea, Sweden. Electrical machine. 1,836,882; Dec. 15.
Nineteen Hundred Corporation. (See Behan, Thomas W., assignor.)
Nineteen Hundred Corporation. (See Keil, G. B., and Upton, assignors.)
Nineteen Hundred Washer Company, The. (See Behan, Thomas W., assignor.)
Niogret, Henri F., Lyon, France, assignor to Du Pont Rayon Company, New York, N. Y. Thread winding machine. 1,822,415; Sept. 8.
Nisbet, Alexander H., London, England. Rotatable grip mechanism. 1,834,724; Dec. 1.
Nisbet, George B., assignor to The Otis Steel Company, Cleveland, Ohio. Annealing box. 1,808,314; June 2.
Nisbet, Nicholas. (See Thomson, T., and Nisbet.)
Nisbet, Theodore B., Irvington, N. Y. Wind shield support. 1,805,341; May 12.
Nisbet, Theodore B., Irvington, N. Y. Tonneau windshield supporting means. 1,812,362; June 30.
Nisbet, Theodore B., Irvington, N. Y. Windshield and support therefor. 1,817,577; Aug. 4.
Nisbett, Ada., and A. Wilberg, Pontiac, Mich. Combination gas-tank and filling-neck lock. 1,789,492; Jan. 20.
Nischke, Henry, South Milwaukee, assignor of one-half to A. Hartman, Wescott, Wis. Antislipping device for vehicle wheels. 1,816,395; July 28.
Nishimura, Shinichi, Honolulu, Hawaii. Kitchen utensil. 1,800,096; Apr. 7.
Nishimura, Tokuzo, Toyotama Gun, Tokyo Fu, Japan. Portable automatic pencil sharpener. 1,793,558; Feb. 24.
Nison, Moses C., and A. F. Kaptuller, Chicago, Ill., said Kaptuller assignor to said Nixon. Crank means for bed operating mechanism. 1,828,980; Oct. 27.
Nissen, Arvid E., Upper Darby, Pa. Shell construction. 1,803,537; May 5.
Nissen, John P., jr., Philadelphia, Pa. Marking implement. 1,839,160; Dec. 29.
Nisson, Philip S., and M. R. Mandelbaum, Brooklyn, N. Y., assignor to The Gray Processes Corporation, Newark, N. J. Production of mercaptans and mercaptides. 1,836,183; Dec. 15.
Nissrod, John W. (See Hulack, E., and Nissrod.)
Nistle, Frank P., West Lawn, Pa. Conveying apparatus. 1,812,976; July 7.
Nitardy, Ferdinand W., Brooklyn, assignor to E. R. Squibb and Sons, New York, N. Y. Composition containing agar and preparing same. 1,799,804; Apr. 7.
Nitardy, Ferdinand W., Brooklyn, assignor to E. R. Squibb and Sons, New York, N. Y. Production of cod-liver oil. 1,829,571; Oct. 27.
Nitchy, George W., Kansas City, Mo. Air tempering and humidifying unit. 1,825,813; Oct. 6.
Niterday Signal Co. (See Bergen, W. V., and Shute, assignors.)
Nitka, Albert, Milwaukee, Wis. Ventilator hat for stoves. 1,825,245;; Sept. 29.
Nitralloy Corporation, The. (See Fry, Adolf, assignor.)
Nitta, Chojiro, Osaka, Japan. Making leather. 1,823,754; Sept. 15.
Nittel, Frederick W., Attleboro Falls, assignor to M S Co., Attleboro, Mass. Chain bracelet. 1,816,810; July 28.
Nittinger, Carl, assignor to Carnitt-Rostschutz & Farbstoff G. m. b. H., Breslau, Germany. Producing bright paints. 1,795,962; Mar. 10.
Nitzsche, Max, Potsdam, Germany. Device for taking down articles from high places and replacing same. 1,833,120; Nov. 24.
Nitzschke, Oswin. (See Noeck, E., Nitzschke, and Pfleiderer.)
Niutta, Thomas J., Hollis, N. Y. Automatic circuit breaker for boilers. 1,830,672; Nov. 3.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,788,929; Jan. 13.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,788,930; Jan. 13.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve-valve driving mechanism. 1,789,341; Jan. 20.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve-valve engine. 1,796,472; Mar. 17.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve-valve engine. 1,801,970; Apr. 21.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,806,175; May 19.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve valve engine. 1,810,924; June 23.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve valve and making same. 1,814,764; July 14.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve valve. 1,814,765; July 14.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Cylinder head. 1,820,628; Aug. 25.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve valve and making same. 1,820,629; Aug. 25.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,820,630; Aug. 25.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve valve actuating mechanism. 1,825,412; Sept. 29.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Engine construction. 1,828,745; Oct. 27.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Sleeve valve engine cylinder head. 1,832,572; Nov. 17.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,832,573; Nov. 17.
Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine. 1,832,574; Nov. 17.
Niver, Raymond W. (See Sharp, J. E., and Niver.)
Nivert, William B. (See Rall, E. D., Moore, and Nivert.)
Nixon, Charles H., Detroit, Mich. Insect trap. 1,802,774; Apr. 28.
Nixon, Clifton W. (See Larsen, L. H., and Nixon.)
Nixon, Clifton W., assignor to Nixon Vending and Change Making Machines, Inc., New York, N. Y. Coin testing device. 1,821,357; Sept. 1.
Nixon, Jeddy D., Houston, Texas. Wrist pin. 1,813,193; July 7.
Nixon, Jeddy D., Houston, Tex. Slip. 1,836,680; Dec. 15.
Nixon, Jeddy D., assignor to Texas Iron Works Sales Corporation, Houston, Tex. Balanced valve mechanism. 1,836,184; Dec. 15.
Nixon, Jeddy D., and W. L. Church, Houston, Tex. Combination packer and setting tool. 1,797,177; Mar. 17.
Nixon, Jessie E., Niceville, Fla. Fish catching device. 1,832,727; Nov. 17.
Nixon, Robert P., Forest Grove, Oreg. Nut cracking machine. 1,834,347; Dec. 1.
Nixon Vending and Change Making Machines, Inc., (See Nixon, Clifton W., assignor.)
Noack, Erich. (See Busch, W., and Noack.)

Noack, Erich, Wiesdorf-on-the-Rhine, O. Nitzschke, Leverkusen-on-the-Rhine, and G. Pfleiderer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Electrolytical manufacture of compounds containing active oxygen. 1,792,389; Feb. 10.
Noack, Walter G., assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. High pressure steam generator. 1,817,419; Aug. 4.
Noack, Walter G., Baden, and A. Meyer, Zurich, Switzerland, assignors to Aktiengesellschaft Brown, Boveri & Co. Steam-turbine plant for high pressures and very high superheating. 1,798,894; Mar. 31.
Nobbe, Morris O., assignor to Krementz & Company, Newark, N. J. Collar fastener. Des. 84,431; June 16.
Nobbe, William E. (See Drake, J. L., and Nobbe.)
Nobbe, William E. (See Reece, J. A., and Nobbe.)
Nobbe, William E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for forming sheet glass. 1,810,980; June 23.
Nobbe, William E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for forming sheet glass. 1,818,152; Aug. 11.
Nobbe, William E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for forming sheet glass. 1,818,153; Aug. 11.
Nobbe, William E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for the manufacture of sheet or plate glass. 1,818,154; Aug. 11.
Nobbs, George H., Cambridge, Mass. Water craft. 1,819,787; Aug. 18.
Nobbs, George H., Watertown, Mass. Waxing and polishing device. 1,831,463; Nov. 10.
Noble, A. E. (See Noble, William H., assignor.)
Noble, Arthur H., Pawtucket, assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Vanity case. 1,794,339; Feb. 24.
Noble, Clarence W., assignor to The Noble and Wood Machine Co., Hoosick Falls, N. Y. Cutting element. 1,792,505; Feb. 17.
Noble, Clarence W., assignor to The Noble and Wood Machine Co., Hoosick Falls, N. Y. Cutting element. 1,792,546; Feb. 17.
Noble and Cooley Company. (See Hiers, Herbert A. and R. H., assignors.)
Noble, Edward J., assignor to Gillette-Vibber Company, Incorporated, New London, Conn. Ground connecter. 1,813,417; July 7.
Noble, Edward J., assignor to Gillette-Vibber Company, Incorporated, New London, Conn. Rigid conduit ground connecter. 1,816,608; July 28.
Noble, Edward J., assignor to Gillette-Vibber Company, Incorporated, New London, Conn. Threadless pipe connecter. 1,822,056; Sept. 8.
Noble, Edward J., assignor to Gillette-Vibber Company, Incorporated. New London, Conn. Ground clamp. 1,830,331; Nov. 3.
Noble, Elmer C., assignor of one-half to R. V. Noble, Tulsa, Okla. Belt clamp. 1,827,327; Oct. 13.
Noble, Glenn S. (See Boillot, Henry F., assignor.)
Noble & Harris. (See Harris, Henry H., assignor.)
Noble, James A., assignor to Eastman Kodak Company, Rochester, N. Y. Carrying case. 1,787,793; Jan. 6.
Noble, Joseph S., assignor to V. Mangiapane, Omaha, Nebr. Bottle cap. 1,834,548; Dec. 1.
Noble, Leo A., Longmont, Colo. Shoe-shine cabinet. Des. 83,828; Mar. 31.
Noble, Leo A., Longmont, Colo. Shoe shine cabinet. 1,832,785; Nov. 17.
Noble, Lester E., et al., receivers. (See Andres, Paul G.)
Noble, Mark, Oakland, Calif. Shoe displayer. 1,821,024; Sept. 1.
Noble, Olbert C., assignor to Tygart Valley Glass Company. Washington, Pa. Vase. Des. 85,594; Nov. 17.
Noble, Olbert C., assignor to Tygart Valley Glass Company, Washington, Pa. Jar or similar article. Des. 85,838; Dec. 22.
Noble, Olbert C., assignor to Tygart Valley Glass Company, Washington, Pa. Method of and apparatus for forming glass articles. 1,798,217; Mar. 31.
Noble, Oliver E., Oklahoma City, Okla. Adjustable screen intake. 1,810,981; June 23.
Noble, Reade V. (See Noble, Elmer C., assignor.)
Noble, Ronald B., Spokane, Wash. Bearing puller. 1,794,494; Mar. 3.
Noble, Royce J. (See Pratt, W. B., and Noble.)
Noble, Warren, Detroit, Mich. Internal-combustion engine. 1,789,190; Jan. 13.
Noble, Warren, Detroit, Mich. Hydraulic valve gear. 1,801,683; Apr. 21.
Noble, Warren, Detroit, Mich. Internal combustion engine. 1,815,445; July 21.
Noble, Warren, Detroit, Mich. Cooking apparatus. 1,819,301; Aug. 18.
Noble, Warren, Detroit, Mich. Oven construction and hinge therefor. 1,821,232; Sept. 1.
Noble, Warren, Detroit, Mich. Oven and burner. 1,831,820; Nov. 17.
Noble, Warren, Detroit, Mich. Oven construction. 1,831,821; Nov. 17.
Noble, Warren, Detroit, Mich. Stove burner. 1,837,829; Dec. 22.
Noble, William H., assignor of forty-nine per cent to A. E. Noble, Lepanto, Ark. Steering walking cultivator. 1,810,783; June 16.
Noble and Wood Machine Co., The. (See Noble, Clarence W., assignor.)
Noble & Wood Machine Co., The. (See Weir, Harry N., assignor.)
Noblitt, Quintin G., Indianapolis, Ind. Heating apparatus for vehicles. 1,818,268; Aug. 11.
Noblitt-Sparks Industries, Inc. (See Booth, Earl C., assignor.)
Nobst, Georg, and E. Ulbricht, Mittweida, Germany, assignors to Scott & Williams, Incorporated, New York, N. Y. Jacquard apparatus. 1,821,766; Sept. 1.
Nobst, Georg, and E. Ulbricht, Mittweida, Germany, assignors to Scott & Williams, Incorporated, New York, N. Y. Device for the production of jacquard patterned seamless goods. 1,830,712; Nov. 3.
Nock, Cecil J., Brooklyn, and J. Djazos, New York, N. Y. Window antirattle and lock device. 1,801,638; Apr. 21.
Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Spoon or analogous article. Des. 84,099; May 5.
Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Coffee pot or article of analogous nature. Des. 85,489; Nov. 3.
Nock, Joseph A., jr. (See Bossert, T. W., and Nock.)
Noddack, Ida. (See Noddack, Walter and I.)
Noddack, Walter and I., Berlin-Grunewald, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Production of concentrates of rhenium. 1,804,429; May 12.
Noddack, Walter and I., Berlin-Grunewald, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt near Berlin, Germany. Electric incandescent body. 1,806,410; May 19.
Noddack, Walter, and I. Noddack, Berlin-Grunewald, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Homogeneous body consisting of rhenium. 1,829,756; Nov. 3.
Noden, Thomas M., Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Generator-core punching. 1,795,882; Mar. 10.
Noe, Roy H., Memphis, Tenn. Exerciser. 1,815,863; July 21.
Noeggerath, Jacob E., Berlin, Germany. Electrolytic apparatus. 1,799,116; Mar. 31.
Noel, Ernest J., Ironton, Ohio, assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,813,077; July 7.
Noel, Ernest J., Ironton, Ohio, assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,814,257; July 14.
Noel, John A., Washington, D. C. Attachable gate closer. 1,802,444; Apr. 28.
Noël, Pierre, Paris, France. Glass paving. 1,795,229; Mar. 3.
Noell, Elmer F., and E. E. Thiel, assignors to The Printing Machinery Company, Cincinnati, Ohio. Printer's registering device. 1,830,037; Nov. 3.
Noelting, Clarence B. and W. H., assignors to Faultless Caster Company, Evansville, Ind. Ball bearing caster. 1,804,639; May 12.
Noelting, William H. (See Goldsmith, E. L., and Noelting.)
Noelting, William H. (See Noelting, Clarence B. and W. H.)
Noelting, William H., assignor to Faultless Caster Company, Evansville, Ind. Antifriction caster wheel and support. 1,822,998; Sept. 15.
Noerenberg, Clarence E., Los Angeles, Calif. Building construction. 1,793,188; Feb. 17.
Noeth, John J. (See Hummel, F. E., and Noeth.)
Noeth, John J., and F. E. Hummel, Chicago, Ill. Food toaster. 1,824,362; Sept. 22.
Noetzli, Fred A., Los Angeles, Calif. Dam and constructing the same. 1,808,904; June 9.
Noetzli, Fred A., Los Angeles, Calif. Dam. 1,836,333; Dec. 15.
Noffs, Fred W., Bellwood, Ill. Electric-circuit controller. 1,798,895; Mar. 31.
Noffsinger, John, Jewell, Ohio. Automatic coupler for air line hose of railway cars. 1,804,509; May 12.
No Frost Clear Vision Shield Company. (See Steinman, Harry H., assignor.)
Noftzger, Charles F., Chicago, Ill. Material adapted for bearings, and bearings thereof. 1,791,834; Feb. 10.
Noftzger, Charles F., and N. L. Etten, Chicago, Ill.; said Etten assignor to said Noftzger. Mixing and measuring valve mechanism. 1,800,314; Apr. 14.
Noggle Shirt Company. (See Kurtz, William S., assignor.)
Nogradi, Mihaly, New Brunswick, N. J. Vapor-bath cabinet. 1,797,153; Mar. 17.
Nolan, Claude, and W. J. Ray, Jackson, Fla. Starter mechanism lock. 1,828,575; Oct. 20.
Nolan, Frank J., New York, N. Y. Manufacturing oil gas. 1,796,299; Mar. 17.
Nolan, Frank J., assignor to Thermo Industries, Inc., New York, N. Y. Oil-gas making. 1,790,166; Jan. 27.
Nolan, John R., New York, N. Y. Machine for applying reenforcing wire to clothespins. 1,799,698; Apr. 7.
Nolan, Nicholas J., assignor to Advance Stamping Company, Detroit, Mich. Roller bearing and making same. 1,824,787; Sept. 29.
Nolde and Horst Company, The. (See Gosch, William H., assignor.)
Nolde and Horst Company, The. (See Vogt, J. H., and McAdams, assignors.)

Nolen, James G., New York, N. Y., assignor to R. L. McElroy, Charlottesville, Va. Trapped key signal transmitter and valve control means. 1,810,323; June 16.
Nolen, Ralph. (See Jimopoulos, Sam C., assignor.)
Nolette, Abraham, jr. (See Nolette, George L., assignor.)
Nolette, George L., assignor of one-half to A. Nolette, jr., Worcester, Mass. Jack. 1,814,226; July 14.
Nölke, Ernst, Berlin, Halensee, assignor to Siemens & Halske, Aktiengesellschaft, Wernerwerk Siemensstadt, near Berlin, Germany. Cheek microphone. 1,812,114; June 30.
Nollau, Edgar H. (See McBurney, J. D., and Nollau.)
Nollesche Werke Komm.-Ges. (See Wollny, Karl, assignor.)
Nolte, Herman L., Terre Haute, Ind. Display fixture. 1,823,840; Sept. 15.
Nolte, Karl, Dortmund, Germany. Iron sheet-piling wall. 1,790,458; Jan. 27.
Noma Electric Corporation. (See Sadacca, Albert, assignor.)
Nomac Corporation. (See Moore, William J., assignor.)
Nonamaker, Frederick C., Gloucester City, N. J., assignor to Furness Corporation, Philadelphia, Pa. Delustering artificial silk. 1,822,416; Sept. 8.
Nonamaker, Frederick C., assignor to Welsbach Company, Gloucester City, N. J. Lubricating and sealing fluid. 1,822,449; Sept. 8.
Nonamaker, William B., Oakland, Calif. Push button latch. 1,828,152; Oct. 20.
Nonneman, Ira W., assignor to The Borden Company, Warren, Ohio. Diestock. 1,808,315; June 2.
Noonan, Albert S., Utica, N. Y. Exhaust muffler for internal combustion engines. 1,810,252; June 16.
Noonan, Alice A. (See Morris, Daniel, assignor.)
Noonan, James A., Lowell, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Apparatus for covering rolls with toothed wire. 1,809,144; June 9.
Noppenz, Richard, Ozone Park, N. Y. Combined window screen, wind deflector, and ventilator. 1,813,756; July 7.
Norberg Manufacturing Company. (See Bennett, George W., assignor.)
Norbom, Ragnar A. (See Elliott, J. H., and Norbom.)
Norcross, Fred A., Nelson, British Columbia, Canada. Toy airplane. 1,818,426; Aug. 11.
Norcross, Herbert B., Brockton, Mass. Attachment for rubber-goods-trimming machines. 1,799,386; Apr. 7.
Norcross, Thomas. (See Willshaw, H., Norcross, and Broadbent.)
Nord, Swan E., Seattle, Wash. Nonsplash and self-draining can. 1,825,120; Sept. 29.
Nordberg, Bruno V., deceased, by Helena C. Nordberg, executrix, Milwaukee, Wis. Reversible rolling mill engine. 1,811,020; June 23.
Nordberg, Bruno V. E., and R. Wintzer, assignors to Nordberg Manufacturing Company, Milwaukee, Wis. Power plant. 1,824,833; Sept. 29.
Nordberg, Helena C. (See Nordberg, Bruno V.)
Nordberg Manufacturing Company. (See Anderson, John W., assignor.)
Nordberg Manufacturing Co. (See Buettner, R. W., Erickson, and Talboys, assignors.)
Nordberg Manufacturing Company. (See Nordberg, B. V. E., and Wintzer, assignors.)
Nordberg Manufacturing Company. (See Smith-Petersen, Morten, assignor.)
Nordberg Manufacturing Company. (See Symons, Edgar B., assignor.)
Nordberg Manufacturing Company. (See Talboys, Henry H., assignor.)
Nordberg Manufacturing Company. (See Wintzer, Rudolf, assignor.)
Nordberg Manufacturing Company. (See Zoerb, H. M., and Buettner, assignors.)
Nordell, Carl H., Chicago, Ill. Separating comminuted matter from the liquid in which it is immersed. 1,815,159; July 21.
Nordell, Carl H., and P. E. Erlinder, assignors to Folding Products Corporation, Chicago, Ill. Foldable curtain. 1,810,847; June 16.
Nordell, Eskel, and W. J. Hughes, Fort Wayne, Ind., assignors, by mesne assignments, to The Permutit Company, New York, N. Y. Feeding a regenerating brine solution to the top surface of a zeolite bed in a zeolite water softener of the filter type. 1,827,603; Oct. 13.
Norden Laboratories. (See Trump, Darrell E., assignor.)
Norden, Mortimer, assignor to General Outdoor Advertising Co. Inc., New York, N. Y. Illuminated sign. 1,795,572; Mar. 10.
Nordgren, Algot W., assignor to Marquette Manufacturing Company, St. Paul, Minn. Bumper adapter for trunk platforms. 1,790,244; Jan. 27.
Nordgren, George A., Chicago, Ill. Flashing. 1,793,821; Feb. 24.
Nordgren, Gustav. (See Eriksson, E. O., and Nordgren.)
Nordhem, Eric. (See Alsaker, A., and Nordhem.)
Nordhop, Bertha, Rockford, Ill. Fruit picker. 1,802,267; Apr. 21.
Nordlander, Axel W., assignor to Aktiebolaget Rapidografi, Stockholm, Sweden. Producing printing plates or the like. 1,835,175; Dec. 8.
Nordlander, Birger W., Schenectady, N. Y., assignor to General Electric Company. Treating sulphur dioxide gas. 1,823,698; Sept. 15.
Nordlander, Birger W., Schenectady, N. Y., assignor to General Electric Company. Vulcanization of rubber. 1,827,604; Oct. 13.
Nordlund, John N., Detroit, Mich. Radio apparatus. 1,813,194; July 7.
Nordseth, Halfdan J., assignor to The Sidley Co., San Francisco, Calif. Separable fastener. 1,800,655; Apr. 14.
Nordström, Abel, Buenos Aires, Argentina. Roller for crushing clods. 1,829,605; Oct. 27.
Nordstrom, Gustaf E., assignor to American Fibre Corporation, Gardner, Mass. Loom for weaving fiber reed. 1,832,943; Nov. 24.
Nordwenswan, Carl-Johan H., assignor to Hercules Powder Company, Wilmington, Del. Producing building board. 1,805,883; May 19.
Norén, Bengt I. (See Gustafsson, E. G. T., and Norén.)
Noren, Harry E., Oak Park, assignor to A. Herz, Chicago, Ill. Flow indicator switch housing. 1,830,673; Nov. 3.
Norge Corporation. (See Blood, Howard E., assignor.)
Norge Corporation. (See Buchanan, John C., assignor.)
Norge Corporation. (See Lapsley, Robert, assignor.)
Norgren, Carl A., Denver, Colo. Air chuck. 1,806,983; May 26.
Norgren, Carl A., Denver, Colo. Spray gun. 1,824,363; Sept. 22.
Norheim, Ludwig, Dearborn, Mich. Automatic control means for aeroplanes. 1,796,576; Mar. 17.
Norin, Adolf A., assignor to Hanna Engineering Works, Chicago, Ill. Plate closer. 1,811,643; June 23.
Norin, Carl E., Jersey City, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,803,125; Apr. 28.
Norinder, Ernst H., Uppsala, Sweden. High vacuum molecular pump. 1,810,083; June 16.
Norko Mfg. Co. (See Erikson, Harry, assignor.)
Norlein Research Laboratories. (See Leinau, Norman, assignor.)
Norling, Oscar, Aberdeen, Wash. Clamp truck. 1,801,971; Apr. 21.
Norling, Oscar, Tacoma, Wash. Banana stalk stringer. 1,830,208; Nov. 3.
Norling, Wilhelm H., Stockholm, Sweden. Rod for suspending curtains on doors and windows. 1,819,965; Aug. 18.
Norma-Hoffman Bearings Corp. (See Bott, George R., assignor.)
Norma-Hoffmann Bearings Corporation. (See Eisenlohr, F., and Uebelen, assignors.)
Norman, George M., assignor to Hercules Powder Company, Wilmington, Del. Producing glycol esters of abietic acid. 1,839,161; Dec. 29.
Norman, Harold H., El Dorado, Ark. Connecting derrick sections. 1,836,865; Dec. 15.
Norman, Sidney, Pittsburg, Kans, assignor to United Iron Works, Inc., Kansas City, Mo. Hoist. 1,838,783; Dec. 29.
Norman, Sigurd, Newberg, Oreg. Device for increasing the capacity of wet machines and for increasing the thickness of sheets emanating therefrom. 1,801,238; Apr. 14.
Norman, William F. (See Harner, Joseph P., assignor.)
Normand, Ernest A., San Francisco, Calif. Freight hook. 1,832,045; Nov. 17.
Normand, Ernest A., San Francisco, Calif. Freight hook. 1,836,545; Dec. 15.
Normann, Lars. (See McDonough, J., and Normann.)
Norment, Alva S., Richmond, Va. Tire. 1,824,680; Sept. 22.
Norquist, Glenn H. (See Norquist, Ralph A., and G. H.)
Norquist, Ralph A., and G. H. Norquist, Jamestown, N. Y. Window screen. 1,794,534; Mar. 3.
Norquist, Ralph A. and G. H., Jamestown, N. Y. Window screen. 1,796,760; Mar. 17.
Norquist, Ralph A., and G. H., Jamestown, N. Y. Window screen. 1,832,414; Nov. 17.
Norris, Almon E., Brookline, Mass. Tractor. 1,833,032; Nov. 24.
Norris, Charles B. (See Meyercord, G. R., and Norris.)
Norris, Charles B., Grand Rapids, Mich., assignor to Haskelite Manufacturing Corporation. Making dies. 1,835,805; Dec. 8.
Norris, Charles C., Riverside, and E. D. Morse, Chino, Calif. Ventilating attachment for toilet seats. 1,831,257; Nov. 10.
Norris, Charles E., London, Ontario, Canada, assignor to The Summit Mold and Machine Company, Akron, Ohio. Tire repair vulcanizer. 1,820,478; Aug. 25.
Norris, Edward O., Greenwich, Conn. Surfacing machine. 1,808,732; June 2.
Norris, Eric D. T., assignor to Ferranti, Limited, Hollinwood, England. Electric transformer. 1,838,280; Dec. 29.
Norris, George E., Columbus, Ohio. Slip clutch for vending machines. 1,831,317; Nov. 10.
Norris, Gerald C. (See Stevens, R. H., Norris, and Watson.)
Norris, Harry. (See Fulenwider, H., and Norris.)
Norris, Harry B. (See Heftler, V. R., and Norris.)
Norris, James F. (See Jenkins, R. L., and Norris.)
Norris, James F., Boston, Mass., assignor, by mesne assignments, to Petroleum Chemical Corporation, New York, N. Y. Purification of synthetic or substitution products such as alkyl halides. 1,825,814; Oct. 6.

Norris, Neil J. (See Scott, B. H., Ross, and Norris.)
Norris, Ralph F., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Furring strip. 1,833,174; Nov. 24.
Norris, Raymond R. (See Rowse, William A, assignor.)
Norris, William A., Alhambra, Calif. Electrical switch device. 1,837,281; Dec. 22.
Norsk Staal Elektrisk-Gas-Reduktion. (See Edwin, Emil, assignor.)
North American Chemical Company. (See Thoma, Andrew, assignor.)
North American Manufacturing Company, The. (See Naab, George F., assignor.)
North American Press. (See Frisch, Edwin, assignor.)
North Bro's. M'f'g. Co. (See Fegley, T. J., and Leopold, assignors.)
North Bro's M'f'g Co. (See Leopold, George O., assignor.)
North, Charles E., Montclair, N. J., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Milk-pasteurizing apparatus. 1,791,511; Feb. 10.
North, Charles E., Montclair, N. J., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Milk-heating apparatus. 1,796,577; Mar. 17.
North, Charles H., San Francisco, Calif. Remote mechanical brake control for trailers. 1,804,025; May 5.
North, Clayton O., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Vulcanization of rubber. 1,838,862; Dec. 29.
North, Clayton O., and C. W. Christensen, assignors to The Rubber Service Laboratories Company, Akron, Ohio. Aniline-Crotonaldehyde condensation product. 1,832,415; Nov. 17.
North, Edwin W., assignor to National Lock Co., Rockford, Ill. Escutcheon plate. Des. 85,342; Oct. 13.
North, Edwin W., assignor to National Lock Co., Rockford, Ill. Sash pulley. 1,819,334; Aug. 18.
North, Edwin W., and R. E. Larson, assignors to National Lock Co., Rockford, Ill. Shelf peg or refrigerator hook. 1,799,602; Apr. 7.
North, Edwin W., and L. Anderson, assignors to National Lock Co., Rockford, Ill. Latch. 1,807,668; June 2.
North, John D., assignor to Boulton & Paul Limited, Norwich, England. Cowling for air cooled internal combustion engines. 1,816,544; July 28.
North & Judd Manufacturing Company. (See Freysinger, John B., assignor.)
North Pacific Cedar Products Corporation. (See Dietz, Frank L., assignor.)
North, Paul, Lakewood, assignor to The Chamberlain Cartridge & Target Company, Cleveland, Ohio. Target trap. 1,819,567; Aug. 18.
Northam Warren Corporation. (See Brekke, Marshall T., assignor.)
Northam Warren Corporation. (See Roessinger, Walter C., assignor.)
Northcutt, Jacob, Long Beach, Calif. Vegetable knife. 1,793,003; Feb. 17.
North East Appliance Corporation. (See Dorsey, Farnum F., assignor.)
North East Appliance Corporation. (See Hutchins, W. H., and Carlson, assignors.)
North East Appliance Corporation. (See Lee, Thomas L., assignor.)
North East Appliance Corporation. (See Mullen, Raymond F., assignor.)
North East Appliance Corporation. (See Tappan, De Witt, assignor.)
Northern Conveyor & Mfg. Co. (See Bebinger, Charles H., assignor.)
Northern Conveyor & Mfg. Co. (See Bebinger, C. H., and Whitnall, assignors.)
Northern Engraving Company. (See Wittenberg, Edward H., assignor.)
Northern Equipment Company. (See Veenschoten, Vincent V., assignor.)
Northern Liquite Coal Company. (See Traer, Glenn W., assignor.)
Northern Malleable Iron Company. (See Cummins, Thomas K., assignor.)
Northern Trust Company, The, et al., trustee. (See Amstutz, Noah S., assignor.)
Northern Trust Company, The, et al., trustee. (See Myers, L. E., and Amstutz, assignors.)
Northey, John J., and R. V. Northey, Toronto, Ontario, assignors to Consolidated Bolt Company, Limited, Toronto, Canada. Key bolt. 1,812,216; June 30.
Northey, John P., Toronto, Ontario, Canada. Sound-producing device. 1,799,387; Apr. 7.
Northey, John P., Toronto, Ontario, Canada. Sound-producing device. 1,799,388; Apr. 7.
Northey, Rodney V. (See Northey, J. P. and R. V.)
Northington, Marshall W. (See Quam, L. B., Northington, and Sawyer.)
Northington, Norfleet J., St. Albans, N. Y. Manipulating attachment for the lens focusing mechanism of moving picture projecting machines. 1,804,268; May 5.
Northrop, John K., Burbank, Calif. Automatic flushing valve. 1,789,493; Jan. 20.
Northrop, John K., Brentwood Heights, Calif. Flushing valve. 1,795,669; Mar. 10.
Northrop, Jonas, Hopedale, assignor to Standard Looms, Inc., Milford, Mass. Let-off mechanism for looms. 1,790,016; Jan. 27.
Northrop, Jonas, Hopedale, Mass., assignor to Standard Looms, Inc., Spartanburg S. C. Battery-feed mechanism for looms. 1,790,017; Jan. 27.
Northrop, Jonas, Hopedale, Mass., assignor to Standard Looms, Inc., Spartanburg, S. C. Battery-feed mechanism for looms. 1,790,018; Jan. 27.
Northrop, Jones, Hopedale, assignor to Standard Looms, Inc., Milford, Mass. Loom temple. 1,798,621; Mar. 31.
Northrup, Edwin F., Near Princeton, assignor to Ajax Electrothermic Corporation, Trenton, N. J. Induction heating. 1,791,934; Feb. 10.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Electric-furnace method. 1,794,863; Mar. 3.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Electric induction furnace. 1,795,136; Mar. 3.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Trenton, N. J. Inductor type furnace. 1,805,150; May 12.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Induction electric furnace. 1,811,644; June 23.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Induction electric furnace. 1,822,539; Sept. 8.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Induction electric furnace. 1,824,618; Sept. 22.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Electric induction furnace. 1,828,291; Oct. 20.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Induction electric furnace. 1,830,481; Nov. 3.
Northrup, Edwin F., near Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, near Trenton, N. J. Apparatus for correcting power factors. 1,833,617; Nov. 24.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, near Trenton, N. J. External field eliminator. 1,834,725; Dec. 1.
North Shore Coke & Chemical Company. (See McCormack, Harry, assignor.)
North Side Tool Works, The. (See Serapin, George, assignor.)
Northup, Amos E., Detroit, Mich., assignor to The Murray Corporation of America. Vehicle body construction. 1,829,052; Oct. 27.
Northwest Engineering Corporation. (See Burke, Paul, assignor.)
Northwest Engineering Corporation. (See Burke, P., and Orloff, assignor.)
Northwest Engineering Corporation. (See Orloff, Arthur, assignor.)
Northwest Paper Company, The. (See Hogstad, Anton, jr., assignor.)
Northwestern Corporation. (See Weaver, H. H., and Bolen, assignors.)
Norton, Aaron, Applegate, Calif. Poultry feeder. 1,836,274; Dec. 15.
Norton, Bertram, Claverley, assignor to Nortons (Tividale) Limited, Tipton, England. Coal washer box. 1,806,493; May 19.
Norton, Charles H., Plainville, Conn., assignor to Norton Company, Worcester, Mass. Grinding machine. 1,790,245; Jan. 27.
Norton, Charles H., Plainville, Conn., assignor to Norton Company, Worcester, Mass. Grinding machine. 1,802,389; Apr. 28.
Norton, Charles H., assignor to Norton Company, Worcester, Mass. Grinding machine. 1,803,807; May 5.
Norton, Charles H., Plainville, Conn., assignor to Norton Company, Worcester, Mass. Self adjusting bearing for spindles. 1,807,700; June 2.
Norton, Charles H., Plainville, Conn., assignor to Norton Company, Worcester, Mass. Bearing. 1,807,701; June 2.
Norton, Charles L., jr., Boston, Mass. Furnace. 1,820,028; Aug. 25.
Norton, Charles M., Grand Rapids, Mich. Door latch. 1,812,411; June 30.
Norton Company. (See Belden, A. G., and Naromore, assignors.)
Norton Company. (See Belden, A. G., and Trefethen, assignors.)
Norton Company. (See Beth, Hugo W. H., assignor.)
Norton Company. (See Cole, Raymond A., assignor.)
Norton Company. (See Cook, J., Spence, and Cole, assignors.)
Norton Company. (See Holt, Samuel, assignor.)
Norton Company. (See Indge, Herbert S., assignor.)
Norton Company. (See Indge, H. S., and Player, assignors.)
Norton Company. (See Larsson, Thure, assignor.)
Norton Company. (See Larsson, T., and Beth, assignors.)
Norton Company. (See Martin, Richard H., assignor.)
Norton Company. (See Norton, Charles H., assignor.)
Norton Company. (See Player, S., and Indge, assignors.)
Norton Company. (See Saunders, L. E., Milligan, and Beecher, assignors.)
Norton Company. (See Silven, Herbert A., assignor.)
Norton Company. (See Silven, H. A., and Belden.)
Norton Company. (See Summers, Kenneth E., assignor.)
Norton Company. (See Trefethen, Charles G., assignor.)

Norton Company. (See Webster, Duane E., assignor.)
Norton, Edward D., Minneapolis, Minn. Humidifier. 1,801,535; Apr. 21.
Norton, Edward L. (See Keller, A. C., and Norton.)
Norton, Edward L., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Filtering circuits. 1,788,538; Jan. 13.
Norton, Edward L., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound reproducer. 1,792,655; Feb. 17.
Norton, Edward L., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave transmission. 1,799,634; Apr. 7.
Norton, Edward R., and A. G. Wheeler, Pine Bluff, Ark. Stave planer cutter head. 1,834,034; Dec. 1.
Norton, Edwin K., Brooklyn, N. Y., assignor to Norton Gauge Company. Depth gauge. 1,833,850; Nov. 24.
Norton, Ernest C., Moline, Ill. Piston ring. 1,831,574; Nov. 10.
Norton, Frederick H. (See Harter, I., Kohler, and Norton.)
Norton Gauge Company. (See Norton, Edwin K., assignor.)
Norton, George, Birmingham, England. Coal breaker and the like. 1,831,683; Nov. 10.
Norton, Guy P. (See Doane, L. C., and Norton.)
Norton, Guy P., assignor to The Miller Company, Meriden, Conn. Lighting fixture. Des. 83,638; Mar. 10.
Norton, Harold F., Newport News, and J. W. Owens, Cradock, Va. Structural steel assembly and producing same. 1,823,699; Sept. 15.
Norton, John S., et al. (See Greene, Harlis C., assignor.)
Norton, John S., San Francisco, Calif. Electrically operated welder's hood. 1,822,308; Sept. 8.
Norton, John S., San Francisco, assignor of one-third to H. C. Greene, Vallejo, and one-third to W. F. Hollingsworth, San Francisco, Calif. Welder's hood. 1,800,656; Apr. 14.
Norton, John S., assignor of one-half to W. F. Hollingsworth, San Francisco, Calif. Welder's hood. 1,833,257; Nov. 24.
Norton Laboratories, Inc. (See Rathbun, Merrill, assignor.)
Norton-Lasier Company. (See Lasier, David R., assignor.)
Norton-Lasier Company. (See Lasier, D. R., and Hume, assignors.)
Norton-Lasier Company. (See Norton, Lewis C., assignor.)
Norton, Lewis C., Altadena, Calif., assignor to Norton-Lasier Co., Chicago, Ill. Doorcheck, floor type. 1,821,570; Sept. 1.
Norton, Lewis C., Pasadena, Calif., assignor to Norton-Lasier Company, Chicago, Ill. Door arm. 1,821,571; Sept. 1.
Norton, Lewis C., Altadena, Calif., assignor to Norton-Lasier Company, Chicago, Ill. Control means for door closers. 1,833,121; Nov. 24.
Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake-shoe structure. 1,788,319; Jan. 6.
Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake rotor. 1,800,900; Apr. 14.
Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake closure. 1,805,183; May 12.
Norton, Raymond J., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake element. 1,818,088; Aug. 11.
Norton, Samuel H., Meadville, Pa., assignor to Hookless Fastener Company. Separable fastener. 1,830,078; Nov. 3.
Norton, Samuel H., Meadville, Pa., assignor to Hookless Fastener Company. Fastener. 1,836,392; Dec. 15.
Norton, Sereno G., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Smokeless powder. 1,788,438; Jan. 13.
Norton, Swan E., Rockford, Ill. Ice removing system. 1,828,613; Oct. 20.
Norton, Theodore. (See Lange, M. E., and Norton.)
Norton, William H., Chicago, Ill., assignor of nineteen-twenty-fifths to A. C. Hutchinson, Bangor, and six-twenty-fifths to E. S. Yule, Summer, Wis. Wrapping machinery. 1,817,017; Aug. 4.
Nortons (Tividale) Limited. (See Norton, Bertram, assignor.)
Norviel, Harry E. (See Chryst, W. A., and Norviel.)
Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,789,708; Jan. 20.
Norviel, Harry E., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Electrical switch. 1,798,751; Mar. 31.
Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,798,752; Mar. 31.
Norviel, Harry E., assignor to Delco-Remy Corporation, Anderson, Ind. Switch. 1,800,469; Apr. 14.
Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,801,610; Apr. 21.
Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,801,611; Apr. 21.
Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Lock switch. 1,806,307; May 19.
Norviel, Harry E., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition switch. 1,814,258; July 14.
Norviel, Harry E., Anderson, assignor to Delco-Remy Corporation, Dayton, Ohio. Apparatus for locking ignition timers. 1,820,243; Aug. 25.
Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Antitheft device. 1,825,413; Sept. 29.
Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,825,414; Sept. 29.
Norviel, Harry E., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Ignition apparatus. 1,828,378; Oct. 20.
Norviel, Harry E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Coincidental lock. 1,831,078; Nov. 10.
Norviel, Harry E., assignor to Delco-Remy Corporation, Anderson, Ind. Switch. 1,828,433; Oct. 20.
Norwood, Harry G., assignor to Theodore F. Von Dorn, New York, N. Y. Spring nut-locking device for rail joints. 1,793,745; Feb. 24.
Norwood, Harry G., Washington, D. C., assignor to T. F. von Dorn, New York, N. Y. Railway rail anchor. 1,804,510; May 12.
Norwood, Harry G., assignor to T. F. Von Dorn, New York, N. Y. Spring nut locking device for rail joints. 1,805,413; May 12.
Norwood, Harry Y., West Rush, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,811,184; June 23.
Norwood, Robert R., Mineral Wells, Tex. Food mixer. 1,802,061; Apr. 21.
Nose, Toichi, Kamakura Gun, Kanagawa Ken, Japan. Device for constructing long culverts or continuous concrete tubes. 1,794,199; Feb. 24.
Noss, Marsena A., New York, N. Y. Radio telegraph system. 1,832,237; Nov. 17.
Notbohm, Leonard C., Rome, Wis. Vegetable grater. 1,814,844; July 14.
Nothacker, Edward M., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Railway rolling stock. 1,827,854; Oct. 20.
Nott, Albin J., Richmond, N. Y. Surface condenser. 1,826,521; Oct. 6.
Nottage, Stanley G., Murraysville, Pa., assignor to Westinghouse Electric & Manufacturing Company. Earth drilling. 1,838,956; Dec. 29.
Nottingham, Avon R., Detroit, Mich. Expansion chamber and condenser for engine cooling systems. 1,829,757; Nov. 3.
Nottingham, Starl, Cuba, N. Y. Alarm switch. 1,838,233; Dec. 29.
Nottke, Clayton J., Huron, Ohio. Tractor lug. 1,824,227; Sept. 22.
Notzke, Walter H., Pekin, Ill. Coaster. 1,816,691; July 28.
Nourry, Paul, and D. Kluksmann-Rodanski, Lyon, France. Rotary valve for reciprocating engines. 1,818,921; Aug. 11.
Novack, Maurice L., Minneapolis, Minn. Finger-ring construction. 1,800,227; Apr. 14.
Novak, Albert, New York, N. Y. Fur hanger loop. 1,837,059; Dec. 15.
Novak, Izador J., Bridgeport, Conn., assignor, by mesne assignments, to Raybestos-Manhattan, Inc. Producing friction elements. 1,790,944; Feb. 3.
Novak, Izador J., assignor to The Raybestos Company, Bridgeport, Conn. Soluble gilsonite and making same. 1,803,637; May 5.
Novak, Leon, Cleveland, Ohio. Exercising device. 1,824,920; Sept. 29.
Novak, Paul. (See Heule, E. J., and Novak.)
Novelite, Inc. (See Sarafian, Haig, assignor.)
Noveltoy Corporation. (See Crandall, Weller R., assignor.)
Noveltoy Corporation. (See Klug, William, assignor.)
Novelty Electric Company. (See Mason, Charles E., assignor.)
Novelty Manufacturing Company. (See Friedman, Abe.)
Novelty Manufacturing Company. (See Friedman, Abraham.)
Novick, Abraham. (See McCarthy, G. L., and Novick.)
Novick, Abraham, Flushing, N. Y. Making envelopes and machine therefor. 1,827,539; Oct. 13.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Delivery mechanism. 1,791,569; Feb. 10.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope feed mechanism. 1,804,476; May 12.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope machine. 1,807,862; June 2.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope machine. 1,807,863; June 2.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope making machinery. 1,807,864; June 2.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Mechanism for feeding sheets or blanks. 1,807,865; June 2.

Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope machinery. 1,807,866; June 2.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Machine for making envelopes. 1,807,867; June 2.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Feeding mechanism for envelopes and the like. 1,808,706; June 2.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Blank holder. 1,827,901; Oct. 20.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Patch applying mechanism. 1,831,575; Nov. 10.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope machine. 1,837,727; Dec. 22.
Novo, Angelo R., Guadalupe, Calif. Aeronautic device. 1,822,782; Sept. 8.
Novocol Chemical Mfg. Co. Inc. (See Kahn, Benjamin, assignor.)
Novotny, Emil E., Logan, assignor to J. S. Stokes, Huntingdon Valley P. O., Pa. Synthetic resin and making the same. 1,793,715; Feb. 24.
Novotny, Emil E., Philadelphia, assignor to J. S. Stokes, Spring Valley Farms, Huntingdon Valley P. O., Pa. Synthetic resin and making the same. 1,802,390; Apr. 28.
Novotny, Emil E., Philadelphia, assignor to J. S. Stokes, Spring Valley Farms, Huntingdon Valley P. O., Pa. Camera part. 1,835,421; Dec. 8.
Novotny, Emil E., Logan, Philadelphia, and C. J. Romieux, West Philadelphia, assignors to J. S. Stokes, Huntingdon Valley Post Office, Pa. Condensation product of phenols and starches. 1,815,930; July 28.
Novotny, Emil E., Logan, Philadelphia, and W. W. Johnson, Philadelphia, assignors to J. S. Stokes, Huntingdon Valley P. O., Pa. Furfural-urea resin and making the same. 1,827,824; Oct. 20.
Novotny, Johann, Karlsbad, Czechoslovakia. Device for attaching saving means to sunken submarines. 1,823,862; Sept. 15.
Nowack, Wilhelm, Berlin, and H. Buwert, Berlin-Wilmersdorf, Germany. Advertising device. 1,812,547; June 30.
Nowak, Rudolf. (See Neuber, F., and Nowak.)
Nowakowski, Alfred, Milwaukee, Wis. Waste-pipe cleaner. 1,796,340; Mar. 17.
Nowakowski, John, Detroit, Mich. Ornamental ship. Des. 84,160; May 12.
Nowakowski, Josef, Berlin, Germany. Hearth-ring stand. 1,798,622; Mar. 31.
Nowalk, Frank T., Scranton, Pa. Jack-hammer support. 1,795,573; Mar. 10.
Nowosielski, Edward B., Bloomfield, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Tachometer. 1,807,702; June 2.
Nowosielski, Edward B., Bloomfield, assignor to Splitdorf Electrical Company, Newark, N. J. Combined condenser and resistance unit. 1,831,027; Nov. 10.
Nowosielski, Edward B., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Spark plug. 1,831,132; Nov. 10.
Noxon, Dorothy V., et al., executors. (See Noxon, Elwin I.)
Noxon, Elwin I., deceased, by D. V. Noxon, Webster Groves, G. A. Noxon, and Mississippi Valley Trust Company, executors, assignors to Ralston Purina Company, St. Louis, Mo. Molding machine. 1,803,344; May 5.
Noxon, George A., et al., executors. (See Noxon, Elwin I.)
Noyes, Harry F., and R. Weigel, Chicago Heights, Ill., assignors to Victor Chemical Works. Manufacture of phosphoric acid and phosphate compounds. 1,818,644; Aug. 11.
Noyes, Hazlehurst R., Los Angeles, Calif. Folding furniture. 1,827,952; Oct. 20.
Noyes, Ira W., assignor to Draper Corporation, Hopedale, Mass. Lubricated roll bearing. 1,824,744; Sept. 22.
Nozieres, Henri L. A. F., Paris, France. Signaling system. 1,794,708; Mar. 3.
Nuberg, Matthys, assignor to American Seating Company, Grand Rapids, Mich. Chair-back construction. 1,800,097; Apr. 7.
Nuebling, Edward, New York, N. Y. Liquid-flow meter. 1,799,635; Apr. 7.
Nubone Company, The. (See Koford, Carl C., assignor.)
Nuckolls, Samuel H., Stone Mountain, assignor to G. F. Willis, Atlanta, Ga. Portable electric lamp. 1,807,129; May 26.
Nuckolls, Samuel H., Stone Mountain, assignor to G. F. Willis, Atlanta, Ga. Portable electric lamp. 1,814,056; July 14.
Nudelman, Charles S., and H. Kruglick, Chicago, Ill. Hanger for draperies. 1,819,379; Aug. 18.
Nudelman, Morris, St. Louis County, Mo. Whirling toy. 1,803,638; May 5.
Nuerwell, Frederick W., Tulsa, Okla. Transplanter. 1,829,107; Oct. 27.
Nugent, John J., Ogden, Utah. Spinal extensor. 1,803,556; May 5.
Nugent, William W., Chicago, Ill. Lubricating system. 1,796,531; Mar. 17.
Nugent, William W., Chicago, Ill. Filter element. 1,796,532; Mar. 17.
Nugent, William W., Chicago, Ill. Leak-proof filtering apparatus. 1,796,613; Mar. 17.
Nukiyama, Heiichi, and K. Nagai, Sendai City, Japan, assignors to Western Electric Company, Incorporated, New York, N. Y. Relay and discharge tube circuit. 1,830,238; Nov. 3.
Null, Jesse, Arcadia, Calif. Poultry fountain. 1,787,544; Jan. 6.
Nulsen, Marvin E. (See Smellie, D. G., White, and Nulsen.)
Nulsen, Marvin E., and B. J. Buchtel, Canton, Ohio, assignors to The Hoover Company. Suction sweeper. 1,815,067; July 21.
Nulty, Joseph J. (See Hesskew, W. R., and Nulty.)
Numberall Stamp and Tool Co. (See Powers, Timothy B., assignor.)
Nunamaker, John W., Los Angeles, Calif. Hand coil spring making tool. 1,831,777; Nov. 10.
Nuñez, Ignacio, San Luis Potosi, Mexico. Dough cutting machine. 1,822,309; Sept. 8.
Nunn, Robert M., Orange, Calif. Fabricated anchor means for stucco material. 1,798,381; Mar. 31.
Nunnally, James C., Greer, S. C. Knock-off mechanism for slubbers and roving frames. 1,811,404; June 23.
Nunns, John W. (See Stone, B., Redshaw, and Nunns.)
Nurre Mirror Plate Company, The. (See Simonel, G., and Johnson, assignors.)
Nus, Glen F., Arlington, Iowa. Front wheel drive for automobiles. 1,812,801; June 30.
Nusbaum, Hermien D., Chicago, Ill. Child's dressing stand. Des. 84,535; June 30.
Nu-Shine Company, The. (See Richardson, Robert P., assignor.)
Nüsslein, Joseph, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Dyeing fibrous materials. 1,821,476; Sept. 1.
Nüsslein, Joseph, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Treating fibrous materials or textiles. 1,835,422; Dec. 8.
Nutt, Arthur, Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc., Crank case oil seal. 1,832,320; Nov. 17.
Nutt, Frank N., assignor to A C Spark Plug Company, Flint, Mich. Fuel pump. 1,788,886; Jan. 13.
Nutt, William H. (See Knowlton, N. H., and Nutt.)
Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Covering heels. 1,804,430; May 12.
Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and making the same. 1,837,282; Dec. 22.
Nutt, William H., Newburyport, and N. H. Knowlton, Rockport, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for trimming heel covers. 1,836,185; Dec. 15.
Nuttall, John H., Lake Worth, Fla. Flash-light-holding device. 1,797,154; Mar. 17.
Nuttall, Tom, Farnworth, near Bolton, and S. A. Shorter, Didsbury, Manchester, assignors of one-third to The British Cotton Industry Research Association, Manchester, England. Opening, mixing, blowing room and like machinery used in cotton mills. 1,810,675; June 16.
Nuttall, Thomas D., assignor of one-half to Bentley & Jackson Limited, Bury, England. Pulp beating or refining machine. 1,814,452; July 14.
Nutter, Orda D., assignor to Acme Fishing Tool Co., Parkersburg, W. Va. Rotary trip spear. 1,794,864; Mar. 3.
Nutter, William S., assignor to Goodall Worsted Company, Sanford, Me. Pile fabric and making the same. 1,812,640; June 30.
Nuver, Joseph C., sr., Allentown, Pa. Combined shuttle and tip. 1,833,753; Nov. 24.
Nu-Way Corporation, The. (See Braden, Marshall H., assignor.)
Nuway Electric Company. (See Zamboni, Frank J., assignor.)
Nyborg, Tage G., assignor of one-half to Mark F. Higgins, Worcester, England. Conveyer belt. 1,813,311; July 7.
Nyborg, Tage G., assignor of one-half to M. F. Higgins, Worcester, England. Shaker conveyer. 1,817,927; Aug. 11.
Nyborg, Tage G., Meco Works, assignor of one-half to M. F. Higgins, Worcester, England. Conveyer. 1,830,557; Nov. 3.
Nyborg, Tage G., and M. F. Higgins, Worcester, England. Belt conveyer. 1,791,835; Feb. 10.
Nyborg, Tage G., and M. F. Higgins, Worcester, England. Electrically driven shaker conveyer. 1,814,732; July 14.
Nycum, Homer C. (See Ashbaugh, J. H., and Nycum.)
Nycum, Homer C. (See Gulliksen, F. H., and Nycum.)
Nycz, Louis, Binghamton, N. Y. Vending machine for cigarettes and matches. 1,799,312; Apr. 7.
Nycz, Louis, Binghamton, N. Y. Nonsinkable aeroplane body. 1,809,061; June 9.
Nycz, Louis, Binghamton, N. Y. Spring tire for automobiles. 1,836,866; Dec. 15.
Nydegger, Roland R., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for supplying material. 1,815,269; July 21.
Nye, Alvin F., Rochester, N. Y. Rolling screen. 1,810,848; June 16.

Nye, Alvin F., Rochester, N. Y. Roller screen mounting. 1,810,849; June 16.
Nye, Alvin F., Rochester, N. Y. Screen mounting. 1,836,387; Dec. 15.
Nye, Henry V., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Switch gear. 1,792,861; Feb. 17.
Nye, Henry V., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Motor control system. 1,804,180; May 5.
Nye, Maximilian K., Ellwood City, Pa. Billet conveying apparatus for heating furnaces. 1,813,195; July 7.
Nye, Norman H., assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Distributing apparatus for spoolers on wire drawing machines. 1,808,714; June 2.
Nye, Oliver, Toledo, Ohio. Kite. Des. 84,536; June 30.
Nye, Ralph D., Columbus, Ohio. Reversing valve and equipment for combustion control. 1,825,815; Oct. 6.
Nye, Theodore H., assignor to Morgan Construction Company, Worcester, Mass. Conveying means and method. 1,795,137; Mar. 3.
Nyffeler, Schüpbach and Co. (See Elsaesser, Georg, assignor.)
Nygaard, Karl F. V. (See Everett, Z. R., and Nygaard.)
Nygaard, Oscar, Saugus, Mass. Furnace wall. 1,791,244; Feb. 3.
Nygaard, Oscar, Saugus, Mass. Furnace wall. 1,793,004; Feb. 17.
Nygaard, Oscar, Saugus, Mass. Furnace wall. 1,806,113; May 19.
Nygaard, Oscar, Saugus, Mass. Expansion furnace wall. 1,807,868; June 2.
Nygaard, Oscar, Saugus, Mass. Furnace wall. 1,807,929, June 2.
Nygaard, Oscar, Saugus, and B. H. Snow, Melrose, assignors to Bernitz Furnace Appliance Company, Boston, Mass. Gas generator. 1,790,110; Jan. 27.
Nygard, Halvard F., assignor to Burgess Battery Company, Madison, Wis. Hand lamp. 1,792,547; Feb. 17.
Nygard, Rudolf, Axel Finnila, and Torsten Lindell, Sandwich, Ontario, Canada. Harrow. 1,812,708; June 30.
Nylander, Albert L., Blue Island, Ill. Clippers. 1,789,370; Jan. 20.
Nylander, Albert L., Blue Island, Ill. Vise-operating mechanism. 1,799,526; Apr. 7.
Nylén, Karl R. A., Solleftea, Sweden. Chain for timber in combination with a tightening device and key. 1,809,420; June 9.
Nyman, Alexander, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,789,263; Jan. 13.
Nyman, Alexander, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical transformer. 1,796,254; Mar. 10.
Nyman, Alexander, Dobbs Ferry, assignor to Radio Patents Corporation, New York, N. Y. Illuminating apparatus. 1,811,861; June 30.
Nyman, Alexander, East Orange, N. J., assignor to Dubilier Condenser Corporation. Electrical insulator. 1,823,502; Sept. 15.
Nyman, Alexander, assignor to Dubilier Condenser Corporation, New York, N. Y. Electric terminal. 1,824,834; Sept. 29.
Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Electrooptical system. 1,788,470; Jan. 13.
Nyquist, Harry, Milburn, N. J., assignor to American Telephone and Telegraph Company. Electrooptical transmissions. 1,826,812; Oct. 13.
Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Transmission delay measuring system. 1,829,838; Nov. 3.
Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Distortion neutralizing repeater. 1,834,002; Dec. 1.
Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Transmission line. 1,838,281; Dec. 29.
Nyrop, Michael, Mount Vernon, N. Y. Automatic pump control means. 1,813,078; July 7.
Nystrom, A. J., and Company. (See Beckley, Major H. E., assignor.)
Nystrom, A. J., & Co. (See Swanson, Frank H., assignor.)
Nystrom, Carl F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Refrigerating apparatus. 1,798,696; Mar. 31.
Nystrom, Ernest H., Quincy, Mass. Reserve music-holding attachment for music racks. 1,816,340; July 28.
Nystrom, Karl F., Milwaukee, Wis., assignor to General Steel Castings Corporation, Granite City, Ill. Pedestal filler unit. 1,806,411; May 19.
Nystrom, Martin, Chicago, Ill., assignor, by mesne assignments, to United Research Corporation, Long Island City, N. Y. Cabinet for acoustic devices. 1,794,091; Feb. 24.
Nystrom, Martin, Chicago, Ill., assignor, by mesne assignments, to United Research Corporation, Long Island City, N. Y. Sound reproducing device. 1,822,450; Sept. 8.
Nystrom, Oscar P., assignor to Holland Furnace Company, Holland, Mich. Grate shaking and dumping device. 1,808,004; June 2.
O & J Machine Company, The. (See Oslund, C. H., and Johnson, assignors.)
O. K. Tool Company, Inc. (See Severson, Ole, assignor.)
O-N. Spring Shackle Company. (See Henry R., and Bradfield, assignors.)
O. & S. Bearing Co. (See Skillman, Newton, assignor.)
Oakes, George C., Njoro, Kenya Colony, Africa. Beater drum mechanism for shelling maize. 1,821,316; Sept. 1.
Oakes Manufacturing Company, The. (See Lord, Fred W., assignor.)
Oakes Products Corporation. (See Ellenberger, Clarence M., assignor.)
Oakes Products Corporation. (See Hershey, Orville S., assignor.)
Oakes Products Corporation. (See Hershey, O. S., and Van Sickel, assignors.)
Oakes Products Corporation. (See Hershey, O. S., Van Sickel, and Henderson, assignors.)
Oakes Products Corporation. (See Moore, Benjamin S., assignor.)
Oakes Products Corporation. (See Smith, F. A., and Nehls, assignors.)
Oakes, W. B., et al. (See Davis, Kenneth, assignor.)
Oakes, William B., et al., trustees. (See Davis, Kenneth, assignor.)
Oakey, Clifford G., Norfolk, Va. Sheet holder for beds. 1,833,298; Nov. 24.
Oakley, Erastus G., Southport, assignor to Bridgeport Brass Company, Bridgeport, Conn. Waste fitting for sinks or the like. 1,820,673; Aug. 25.
Oakley, John. (See Perkins, J. L., Oakley, and Croft.)
Oakley, Laurence M., assignor to Essex Rubber Company, Trenton, N. J. Shoe heel. Des. 83,639; Mar. 10.
Oakley, Laurence M., assignor to Essex Rubber Company, Trenton, N. J. Rubber sole and heel for boots and shoes. 1,811,803; June 23.
Oakley, Richard O., St. Louis, Mo. Calking and glazing machine. 1,792,656; Feb. 17.
Oakley, William J., Brooklyn, N. Y. Inlaid store front. 1,836,724; Dec. 15.
Oatley, Henry B., Great Neck, assignor to The Superheater Company, New York, N. Y. Superheater header. 1,807,248; May 26.
Oatway, John W., Willesden Green, England. Radiator. 1,793,005; Feb. 17.
O'Bannon, Walter A., Tulsa, Okla., assignor to Walter O'Bannon Co. Sucker-rod socket. 1,787,834; Jan. 6.
O'Bannon, Walter A., Tulsa, Okla., assignor to Walter O'Bannon Co. Combination sucker rod socket. 1,828,938; Oct. 27.
O'Bannon, Walter, Co. (See O'Bannon, Walter A., assignor.)
Obee, Leon E., Whitehouse, Ohio. Circuit closer for automobile rear lights. 1,825,917; Oct. 6.
Obenhaus, Francis W., Glendale, and G. R. Adams, Los Angeles, Calif., assignors, by mesne assignments, to Gas Furnace Control Co. System of heat control. Re18,289; Dec. 15.
Ober, Beverly. (See Wight, E. H., and Ober.)
Ober, Beverly. (See Wight, E. H., Waggaman, and Ober.)
Ober, Beverly, and E. H. Wight, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Manufacturing acid phosphate. 1,837,283; Dec. 22.
Ober, Beverly, and E. H. Wight, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Producing soluble phosphates. 1,837,284; Dec. 22.
Ober, Beverly, E. H. Wight, and W. H. Waggaman, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Manufacturing double superphosphate. 1,837,285; Dec. 22.
Ober, Beverly, and E. H. Wight, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Manufacturing fertilizer mixtures. 1,837,328; Dec. 22.
Ober, Beverly, and E. H. Wight, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Manufacturing acid phosphate. 1,837,329; Dec. 22.
Ober, Beverly, E. H. Wight, and W. H. Waggaman, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Double superphosphates. 1,837,330; Dec. 22.
Ober, Beverly, and E. H. Wight, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Preparing phosphatic fertilizer. 1,837,331; Dec. 22.
Ober, Beverly, E. H. Wight, and W. H. Waggaman, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Manufacturing phosphatic fertilizers. 1,837,332; Dec. 22.
Ober, Hermon P., assignor to General Railway Signal Company, Rochester, N. Y. Connecting means for electric conductors. 1,824,167; Sept. 22.
Ober, Katharine H., Baltimore, Md. Baking unit of a waffle mold. Des. 84,432; June 16.
Oberdier, Frank R., assignor, by mesne assignments, to himself and W. D. Wood, Lafayette, Ohio. Hydraulic clutch. 1,828,677; Oct. 20.
Oberdorfer, Henry D., Newcastle, Ind., and J. B. Johnson, Louisville, Ky. Steel bleacher. 1,809,598; June 9.
Oberdorfer, M. L., Brass Company. (See Hedglon, Mead, assignor.)
Oberg, Anton J., and R. R. Stoefen, Los Angeles, Calif. Spotlight projecting machine. 1,835,176; Dec. 8.
Oberg, John A., Worcester, Mass. Tip-up. 1,803,914; May 5.
Oberg, William C., Munhall, Pa. Making flanged shapes. 1,812,246; June 30.
Oberg, William C., Munhall, Pa. Roll. 1,812,248; June 30.

Oberg, William C., and A. W. Soderberg, Munhall, Pa. Rolling mill plant and method of operating same. 1,812,247; June 30.
Obergfell, Herbert F., River Forest, assignor to Reserve Holding Company, Chicago, Ill. Wall telephone. Des. 83,123; Jan. 20.
Obergfell, Herbert F., River Forest, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Automatic switch. 1,800,563; Apr. 14.
Obergfell, Herbert F., River Forest, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Calling device. 1,836,492; Dec. 15.
Oberhoffken, Alexander, and E. M. Bowen, assignors to The Ingersoll Milling Machine Company, Rockford, Ill. Machine tool. Des. 83,743; Mar. 24.
Oberhuber, William F., Drexel Hill, Pa. Making high pressure steam joints. 1,816,293; July 28.
Oberhuber, William F., Lansdowne, Pa. Disk pipe joint. 1,819,036; Aug. 18.
Oberhuber, William F., Lansdowne, assignor to Franklin Development Company, Philadelphia, Pa. Rubber slug for condenser tubes. 1,803,126; Apr. 28.
Oberhuber, William F., Lansdowne, assignor to Franklin Development Company, Philadelphia, Pa. Gun for driving slugs. 1,814,766; July 14.
Oberhuber, William F., Lansdowne, assignor to Franklin Development Company, Philadelphia, Pa. Rotary slug for cleaning tubes. 1,835,119; Dec. 8.
Oberhuber, William F., Drexel Hill, assignor to Franklin Development Company, Philadelphia, Pa. Condenser slug. 1,835,238; Dec. 8.
Oberle, Alfred, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for heating petroleum oil. 1,812,217; June 30.
Oberlin, Max, Darmstadt, Germany. Production of "1-M-amidophenyl-) 1 - hydroxy - 2 - methylamido - propane. 1,829,452; Oct. 27.
Oberly, Eugene L., and H. Hansen, Chicago, Ill. Semi-automatic drill and tapping jig. 1,791,532; Feb. 10.
Oberly, Lawrence W., Humboldt, Nebr. Hog feeder. 1,837,668; Dec. 22.
Obermaier, Carl F., York, Pa., assignor to General Electric Company. Electric conductor. 1,828,614; Oct. 20.
Obermaier, John A., Chicago, Ill. Switch. 1,798,896; Mar. 31.
Obermaier, Otto J., Neustadt-on-the-Hardt, Germany. Apparatus for the fluid treatment of textile fibers. 1,798,623; Mar. 31.
Obermaier, Otto J., Neustadt-on-the-Hardt, Germany. Dyeing textile fiber laps. 1,825,974; Oct. 6.
Obermark, Frank J., assignor of 49 per cent to A. O. Wickert, St. Louis, Mo. Ventilator. 1,831,189; Nov. 10.
Obermiller, Julius, Munich-Gladbach, Germany. Producing a constant degree of humidity in air or other gases. 1,812,548; June 30.
Oberphos Company, The. (See Ober, B., and Wight, assignors.)
Oberphos Company, The. (See Ober, B., Wight, and Waggaman, assignors.)
Oberphos Company, The. (See Wight, Edward H., assignor.)
Oberphos Company, The. (See Wight, E. H., and Ober, assignors.)
Oberphos Company, The. (See Wight, E. H., Waggaman, and Ober, assignors.)
Oberschulte, Hermann, Essen-on-the-Ruhr, Germany. Device for use in forming undercut sections of rolled metal. 1,826,813; Oct. 13.
Oberschulte, Hermann, Ruhr, Germany. Dolphin. 1,837,988; Dec. 22.
Oberst, Frank, Fosterdale, N. Y., assignor to Wilbur Products Company. Automatic stop device. 1,829,053; Oct. 27.
Oberti, James M., San Francisco, Calif. Floor squeegee. 1,789,636; Jan. 20.
Oberting, Marie R., Mineral Point, Mo. Lambrequin. Des. 84,537; June 30.
Obidine, Wladimire J., Los Angeles, Calif. Face-steaming appliance. 1,797,554; Mar. 24.
Obidine, Wladimire J., Los Angeles, Calif. Safety device for emergency brakes. 1,827,256; Oct. 13.
Oborski, Adolph J., Chicago, Ill. Tool retainer. 1,795,963; Mar. 10.
O'Brien, Falconer, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring structure. 1,815,210; July 21.
O'Brien, Falconer, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring structure. 1,815,211; July 21.
O'Brien, Frank, Flint, assignor to General Motors Corporation, Detroit, Mich. Process and apparatus for bending tubing. 1,826,403; Oct. 6.
O'Brien, Frank J., assignor to Continental Can Company, Inc., New York, N. Y. Easy opening container. 1,811,147; June 23.
O'Brien, Frederick J., assignor to Struthers Wells-Titusville Corporation, Titusville, Pa. Lifting device for pipe slips. 1,802,156; Apr. 21.
O'Brien, Frederick J., assignor to Struthers Wells-Titusville Corporation, Titusville, Pa. Casing slip. 1,820,479; Aug. 25.
O'Brien, Frederick J., assignor to Struthers Wells-Titusville Corporation, Titusville, Pa. Casing slip. 1,838,439; Dec. 29.
O'Brien, Glen, Troy, Kans. Water cooling system. 1,823,661; Sept. 15.
O'Brien, Glen, Troy, Kans. Air cooler. 1,836,812; Dec. 15.
O'Brien, James D., Brooklyn, N. Y. Protective lining. 1,806,494; May 19.
O'Brien, James F. (See Jones, Llewellyn J. W., assignor.)
O'Brien, James R., Chicago, Ill., assignor, by mesne assignments, to J. Loda, Dover, Del. Road marker. 1,789,446; Jan. 20.
O'Brien, Jeremiah J., Pittsburgh, Pa. Rolling mill. 1,815,578; July 21.
O'Brien, John O. (See Thornton, John E., assignor.)
O'Brien, Joseph L., East Norwalk, Conn., assignor to The Crofut and Knapp Co., New York, N. Y. Blind stitch sewing machine. 1,835,959; Dec. 8.
O'Brien, Norman B. M., Wimbledon, London, England. Advertising device. 1,818,739; Aug. 11.
O'Brien, Philip L., Lowell, Mass. Tube tester. 1,798,624; Mar. 31.
O'Brien, Timothy F., Newark, N. J. Heater. 1,796,761; Mar. 17.
O'Brien, William J., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Pigment. 1,832,416; Nov. 17.
O'Brien, William J., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Pigment. 1,832,417; Nov. 17.
O'Brien, William J., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Pigment. 1,832,418; Nov. 17.
O'Brien, William J., Baltimore, Md., assignor, by mesne assignments, to Krebs Pigment and Color Corporation, Newark, N. J. Producing improved lithopone. 1,836,275; Dec. 15.
O'Bryan, William G., Seaside, Calif. Radially expansive piston ring device and fusible locking means therefor. 1,815,418; July 21.
O'Bryan, William V., Latrobe, Pa. Jack knife mine post. 1,835,515; Dec. 8.
Obstbaum, Stanley, Brooklyn, N. Y. Set of playing cards. Des. 84,100; May 5.
Obstfeld, Abe I. (See Obstfeld, Lou, assignor.)
Obstfeld, Lou, Brooklyn, N. Y. Attachment for stapling machines. 1,810,982; June 23.
Obstfeld, Lou, assignor, by mesne assignments, to said Lou Obstfeld and Abe I. Obstfeld, Brooklyn, N. Y. Staple clip and fabricating the same. 1,811,060; June 23.
Obstler, Jacob, New York, N. Y. Form filler. 1,825,246; Sept. 29.
Ocasek, Edward, assignor to The Undertakers Supply Co., Chicago, Ill. Closure for fluid or aspirating bottles and the like. 1,808,784; June 9.
Occhipinti, Carlos and G., and C. Gonzalez, Buenos Aires, Argentina. Spittoon. 1,795,793; Mar. 10.
Occhipinti, Gaspar. (See Occhipinti, Carlos and G., and Gonzalez.)
Ocean City Manufacturing Co. (See Hirsch, Stephen G., assignor.)
O-Cedar Corp'n. (See Welling, Matthew J., assignor.)
Ochs & Bonn. (See Weil, Ferdinand, assignor.)
Ochsner, Jakob, Zurich, Switzerland. Device for the collecting of refuse. 1,789,050; Jan. 13.
Ockenden, Pierce, assignor of one-half to W. D. Lee, Edmonton, Alberta, Canada. Bookmarker. 1,809,943; June 16.
O'Connell, Daniel. (See Malone, Joseph E., assignor.)
O'Connell, Edward J., Schenectady, N. Y., assignor to General Electric Company. Welding apparatus. 1,804,269; May 5.
O'Connell, Frank. (See Costello, J. P., and O'Connell.)
O'Connell, Herbert, assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Striping tool. 1,810,221; June 16.
O'Connell, James. (See Robbins, H. V., and O'Connell.)
O'Connell, Joseph, and H. H. Kerr, Kensington, Victoria, Australia. Wooden barrel or drum for churns. 1,803,127; Apr. 28.
O'Connell, Joseph, and H. H. Kerr, Kensington, Victoria, Australia. Churn. 1,817,833; Aug. 4.
O'Connell, Thomas, St. Paul, Minn. Radiator hanger. 1,827,540; Oct. 13.
O'Connell, William L. (See Bartlett, Linton G., assignor.)
O'Connor, Arthur F., assignor to Union Railway Equipment Company, Chicago, Ill. Hand brake. 1,804,225; May 5.
O'Connor, Arthur F., assignor to Union Railway Equipment Company, Chicago, Ill. Hand brake. 1,823,570; Sept. 15.
O'Connor, Arthur F., assignor to Union Railway Equipment Company, Chicago, Ill. Refrigerating car. 1,826,814; Oct. 13.
O'Connor, Arthur F., assignor to Union Railway Equipment Company, Chicago, Ill. Hand brake wheel. 1,826,815; Oct. 13.
O'Connor, Clara B., San Francisco, Calif. Airplane. 1,827,953; Oct. 20.
O'Connor, Edward P., Pittsburg, Kans., assignor of one-half to J. S. Lemley, St. Louis, Mo. Blow-off valve. 1,797,015; Mar. 17.
O'Connor, George W., Grand Rapids, Mich. Greenhouse aerator. 1,824,563; Sept. 22.
O'Connor, John A. (See Simon, M. E., and O'Connor.)
O'Connor, John B. (See Adler, J. B., O'Connor, and Vance.)

O'Connor, John B. (See Vance, W. N., O'Connor, and Adler.)
O'Connor, John B., and J. B. Adler, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Folding table. 1,809,564; June 9.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. Re18,012; Mar. 24.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Antifriction journal bearing. 1,788,539; Jan. 13.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,788,540; Jan. 13.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Journal bearing. 1,793,124; Feb. 17.
O'Connor, John F., assignor to W. H. Miner, Inc, Chicago, Ill. Door-operating mechanism. 1,793,125; Feb. 17.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Antifriction bearing. 1,796,300; Mar. 17.
O'Connor, John F., Chicago, Ill., assignor by mesne assignments to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,796,615; Mar. 17.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Journal bearing. 1,796,616; Mar. 17.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,796,617; Mar. 17.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Journal bearing. 1,800,564; Apr. 14.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Antifriction side bearing. 1,800,565; Apr. 14.
O'Connor, John F., Toledo, Ohio, assignor to Doherty Research Company, New York, N. Y. Furnace. 1,805,634; May 19.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Draft gear. 1,806,264; May 19.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,813,707; July 7.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Door construction. 1,823,755; Sept. 15.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,823,756; Sept. 15.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft rigging. 1,829,152; Oct. 27.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Door operating mechanism. 1,830,956; Nov. 10.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Door operating mechanism. 1,830,957; Nov. 10.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Antifriction side bearing. 1,831,926; Nov. 17.
O'Connor, John F., assignor to W. H. Miner Inc., Chicago, Ill. Hand brake. 1,835,177; Dec. 8.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,836,186; Dec. 15.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,837,475; Dec. 22.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,837,476; Dec. 22.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,837,477; Dec. 22.
O'Connor, Maurice, Oakland, assignor of one-half to J. M. Finley, San Francisco, Calif. Airplane. 1,833,258; Nov. 24.
O'Connor, Raymond L., Oakland, Calif. Ornament for radiator caps or the like. Des. 83,744; Mar. 24.
O'Connor, Rebecca, Newark, Ohio. Diaper washer. 1,817,759; Aug. 4.
O'Connor, Walter J., Pittsburgh, Pa. Nonfreezing windshield wiper. 1,795,964; Mar. 10.
O'Connor, William J., Newmarket, N. H. Automatic stop mechanism for winding machines. 1,801,019; Apr. 14.
O'Daniell, George R. (See Stout, F. and O'Daniell.)
Odd Sanitary Toothpick Dispenser, Inc. (See Oddsen, Gustav A., assignor.)
Odda Smelteverk A/S. (See Johnson, Erling, assignor.)
Oddsen, Gustav A., assignor to Odd Sanitary Toothpick Dispenser, Inc., Brooklyn, N. Y. Sanitary toothpick dispenser. 1,814,955; July 14.
Odee, Ole., and P. P. E. Richards, Batavia, Ill. Ignition mechanism for internal combustion engines. 1,812,709; June 30.
Odell, Albert B., assignor to The Strong, Carlisle & Hammond Company, Cleveland, Ohio. Combined table and truck. 1,828,434; Oct. 20.
O'Dell, Arthur. (See Peaden, William H., assignor.)
O'Dell, Edward Oscar, Lubbock, Tex. Double folding bed. 1,799,437; Apr. 7.
Odell, Herbert B., Toronto, Ontario, Canada. Turnstile. 1,816,193; July 28.
Odell, John B., Riverside, Calif. Electric steam boiler. 1,791,970; Feb. 10.
Odell, William W. (See Botsford, Claude W., assignor.)
Odell, William W., San Francisco, and E. N. Percy, Oakland, Calif. Gas producer and process for making combustible gas, chiefly for use with automotive mechanisms. 1,795,670; Mar. 10.
Oden, Eugene R., North Hollywood, Calif. Concrete storage reservoir. 1,818,005; Aug. 11.
Oden, John M., Brooklyn, N. Y. Flexible gasoline proof hose. 1,836,489; Dec. 15.
Odenheimer, Edwin H., Allentown, Pa. Illuminating device. 1,796,614; Mar. 17.
Odin, Eugene A., Chicago, Ill. Universal vise. 1,818,501; Aug. 11.
Odin Stove Manufacturing Company. (See Hoffstetter, Carl H., assignor.)
O'Donnell, Cornelius, San Jose, Calif. Vending machine. 1,837,919; Dec. 22.
O'Donnell, Edward J., Lowell, Mass. Font of type. Des 85,053; Sept. 8.
O'Donnell, John W., Salem, Mass., assignor to The Turner Tanning Machinery Company, Portland, Me. Machine for operating upon hides, skins and leather. 1,807,669; June 2.
O'Donnell, Joseph, Hillside, N. J., assignor to International Motor Company, New York, N. Y. Generator field control. 1.791.143: Feb. 3.
O'Dowd, Earl W., New Orleans, La. Faucet. 1,832,728; Nov. 17.
O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Gas stove casing. Des. 85,710; Dec. 8.
O'Dowd, Henry W., Jersey City N., J., assignor to Standard Gas Equipment Corporation. Gas stove casing. Des. 85,711; Dec. 8.
O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Thermostatic fuel controlling device. 1,814,491; July 14.
Odquist, Victor, Yonkers, assignor to American Can Company, New York, N. Y. Sheet metal container. 1,831,133; Nov. 10.
Oechsle, Joseph S., assignor to Metalweed Service Corporation, Philadelphia, Pa. Tractor supporting unit. 1,805,704; May 19.
Oechslin, Carl, Ablon, France, assignor to Les Etablissements Poulenc Freres. Reducing nitroarylarsonic acids. 1,798,030; Mar. 24.
Oeffner, Abiram A., and V. Trotta, Mount Union, assignors to Harbison-Walker Refractories Company, Pittsburgh, Pa. Brick molding machine. 1,824,493; Sept. 22.
Oehler, Theodor, Berlin-Lichterfelde, assignor to the Firm Hydor G. m. b. H.,-Regenanlagen- und Silo-Bau, Berlin-Mariendorf, Germany. Periodic jet rotary sprinkler. 1,811,591; June 23.
Oehmichen, Etienne, Valentigney, France. Steering and propelling device for helicopters. 1,797,669; Mar. 24.
Oehmichen, Etienne, Valentigney, France. Sustaining device with regulators. 1,800,470; Apr. 14.
Oehmichen, Etienne, Valentigney, France. Lifting device. 1,828,783; Oct. 27.
Oehmichen, Etienne, Valentigney, France. Cinematographic apparatus. 1,836,613; Dec. 15.
Oelerich, Heinrich, assignor to H. Hofmann, Leipzig, Germany. Carburetor. 1,789,473; Jan. 20.
Oelerich, Heinrich, Gautbsch, near Leipzig, assignor to H. Hofmann, Leipzig, Germany. Carburetor. 1,801,684; Apr. 21.
Oelwerke Noury & Van Der Lande. (See Van Der Lande, Johannes C. L., assignor.)
Oertel, Bruno W., Portland, Oreg. Diving hurdle. 1,808,371; June 2.
Oertz, Anna, administratrix. (See Oertz, Max.)
Oertz, Max, deceased; A. E. Oertz, administratrix, assignor, by mesne assignments, to A. E. Oertz, Hamburg, Germany. Hollow rudder for ships. 1,834,003; Dec. 1.
Oesch, Joseph B. (See Gubelmann, I., Oesch, and Havas.)
Oesch, Joseph B. (See Murphy, Arthur R., and Oesch.)
Oesman, Rudolph A., Brooklyn, N. Y. Cloth handling machine. 1,809,213; June 9.
Oesterle, Oscar A., Henryetta, Okla. Ore sintering car 1,827,799; Oct. 20.
Oestnaes, Victor L., Westfield, assignor to American Gasaccumulator Company, Elizabeth, N. J. Reflector and providing the reflecting surface thereof with means for coloring the light reflected therefrom. 1,805,224; May 12.
Oestnaes, Victor L., Westfield, assignor to American Gasaccumulator Company, Elizabeth, N. J. Combination lamp and reflector. 1,814,328; July 14.
Oestnaes, Victor L., Westfield, assignor to American Gasaccumulator Company, Elizabeth, N. J. Mold for molding central triple reflectors. 1,822,451; Sept. 8.
Oestnaes, Victor L., Westfield, assignor to American Gasaccumulator Company, Elizabeth, N. J. Reflector signal. 1,824,094; Sept. 22.
Oestnaes, Victor L., Westfield, and R. W. Luce, Maplewood, assignors to American Gasaccumulator Company, Elizabeth, N. J. Producing highly polished metal reflectors. 1,831,541; Nov. 10.
Oestreich, Charles H., Brooklyn, N. Y. Toilet-powder container. Des. 83,057; Jan. 13.
Oestreich, Charles H., Brooklyn, N. Y. Bottle. Des. 85,490; Nov. 3.
Oestreich, Norman, Milwaukee, Wis. Threading tool. 1,830,209; Nov. 3.
Oexmann, Heinrich. (See Pfleumer, H., Kruger, and Oexmann.)
Ofeldt, Frank W., McKeesport, Pa. Heat exchanger. 1,796,662; Mar. 17.
Offenhauser, Christopher, Philadelphia, Pa. Machine for cooking sausages. 1,827,902; Oct. 20.
Offenhiser, Harold L., et al. (See Davis, G. C., and Griswold, assignors.)
Offer, Samuel. (See Sabik, G., and Offer.)

Officine Meccaniche Fratelli Grosso & Tribola. (See Grosso, Dante, assignor.)
Offord, Harold R., and N. T. Mirov, Berkeley, Calif. Fireproofing and waterproofing textiles. 1,821,317; Sept. 1.
Offutt, John W., Ellwood City, Pa., assignor to National Tube Company. Flexible pipe bending die. 1,837,060; Dec. 15.
Offutt, Lawrence H., Raspeburg, assignor to D. R. S. Company, Inc., Baltimore, Md. Cigarette lighter. 1,813,312; July 7.
Offutt, Lawrence H., Raspeburg, assignor to D. R. S. Company, Inc., Baltimore, Md. Device for extinguishing fire on cigarettes. 1,813,313; July 7.
Offutt, Reginald J., Keyser, W. Va., assignor to Johns-Manville Corporation, New York, N. Y. Steam-pipe connection for articulated locomotives. 1,833,299; Nov. 24.
Oftedahl, Elfrida M. (See Oftedahl, Peter, assignor.)
Oftedahl, Peter, assignor to E. M. Oftedahl, San Francisco, Calif. Can construction. 1,810,925; June 23.
Ogawa, Yoshio, Nishinomiya, Japan. Ventilator. 1,802,314; Apr. 21.
Ogden, Clarence E., Cincinnati, Ohio. Rectifier. 1,788,541; Jan. 13.
Ogden, James E., et al. (See White, Charles S., assignor.)
Ogden, J. Edward, Company. (See McIntosh, R. E., and Van Tassell, assignors.)
Ogden, J. Edward, Company. (See Ogden, Ralph E., assignor.)
Ogden, J. Edward, Company. (See Tomkinson, Charles C., assignor.)
Ogden, Joseph R., jr., Atlantic City, N. J. Vehicle spring suspension. 1,813,757; July 7.
Ogden, Ralph E., Lawrence, assignor, by mesne assignments, to J. Edward Ogden Company, New York, N. Y. Expansion shield. 1,806,640; May 26.
Ogden, Walter. (See Ball, H. V., and Ogden.)
Ogg, Robert A., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Terminal connecter. 1,815,212; July 21.
Ogilvie, Edward L. (See Vierling, Frank J., assignor.)
Ogilvie, Thomas S., Los Angeles, Calif. Musical reed. 1,790,167; Jan. 27.
Ogle Construction Company. (See Bledsoe, Carl F., assignor.)
Ogle, Harry C. (See Cobb, J. L., and Ogle.)
Oglesby, Nicholas E., and R. S. Brown, Edgewood, assignors to H. A. Kuhn, Edgewood Arsenal, Md. Impregnation of filters. 1,818,155; Aug. 11.
Ogletree, William D., Tulsa, Okla. Oil pump. 1,832,995; Nov. 24.
Ogletree, Joseph W., U. S. Army, Fort Slocum, N. Y., Method and apparatus for producing visual depth in projection pictures. 1,802,570; Apr. 28.
Oglin, Louis E., Des Moines, Iowa. Lamp shade. Des. 85,620; Nov. 24.
Ogonowski, Matthew S., Utica, N. Y. Centrifugal clothes drier for washing machines. 1,826,816; Oct. 13.
O'Gorman, Gaynor, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Loaded rubber heel. 1,806,641; May 26.
O'Gorman, William F. (See Langley, C. J., and O'Gorman.)
O'Grady, Frederick T., Flushing, N. Y. Shutter for motion-picture-projecting machines. 1,794,727; Mar. 3.
Ogren, Carl F., assignor to Thermoid Rubber Company, Trenton, N. J. Flexible armored hose. 1,816,740; July 28.
Ogren, Olof, Braddock, Pa. Rotary engine. 1,820,859; Aug. 25.
Ogsbury, James S., Dayton, Ohio, assignor to International Time Recording Company of New York, Endicott, N. Y. Printing attachment for pay roll recorders. 1,827,036; Oct. 13.
Ogush, Ben, assignor to Katz & Ogush, Inc., New York, N. Y. Connection device for wrist watches. 1,808,474; June 2.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,799,636; Apr. 7.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,806,817; May 26.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,814,329; July 14.
O'Hagan, Bernard E., Swissvale, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,824,619; Sept. 22.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuit apparatus. 1,827,825; Oct. 20.
Ohagen, Heinrich, Breslau, Germany. Making and playing phonograph or sound records. 1,818,006; Aug. 11.
O'Hara, Charles G., Norristown, Pa. Cast-metal window frame. 1,790,760; Feb. 3.
O'Hara, Charles G., Norristown, Pa. Water heater. 1,797,922; Mar. 24.
O'Hare, John S., Bethune, Colo. Screed support. 1,790,945; Feb. 3.
O'Hearn, George E., assignor to O'Hearn Manufacturing Company, Gardner, Mass. Woven fabric. Des. 84,949; Aug. 25.
O'Hearn, George E., assignor to O'Hearn Manufacturing Company, Gardner, Mass. Panel fabric for furniture or similar article. Des. 85,299; Oct. 6.
O'Hearn, George E., assignor to O'Hearn Manufacturing Company, Gardner, Mass. Woven fabric. Des. 85,343; Oct. 13.
O'Hearn, George E., Gardner, Mass. Chair or similar article. Des. 85,538; Nov. 10.
O'Hearn, George E., Gardner, Mass. Chair or similar article. Des. 85,539; Nov. 10.
O'Hearn Manufacturing Company. (See O'Hearn, George E., assignor.)
Ohio Brass Company, The. (See Allenbaugh, George G., assignor.)
Ohio Brass Company, The. (See Austin, Arthur O., assignor.)
Ohio Brass Company, The. (See Birch, Leland W., assignor.)
Ohio Brass Company, The. (See Bower, George W., assignor.)
Ohio Brass Company, The. (See Chandler, Homer P., assignor.)
Ohio Brass Company, The. (See Graham, Walter F., assignor.)
Ohio Brass Company, The. (See Kiley, Edward J., assignor.)
Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
Ohio Brass Company, The. (See Moore, Edgar D., assignor.)
Ohio Brass Company, The. (See Pipes, Pliny P., assignor.)
Ohio Brass Company, The. (See Rupp, Herbert E., assignor.)
Ohio Brass Company, The. (See Way, Clarence J., assignor.)
Ohio Corrugating Company, The. (See McKay, George G., assignor.)
Ohio Corrugating Company, The. (See Vaughn, Harold G., assignor.)
Ohio Cultivator Company, The. (See Englund, Ernst E., assignor.)
Ohio Cultivator Company, The. (See Rollman, Bruce, assignor.)
Ohio Drilling Company, The. (See Bowman, Kiel B., assignor.)
Ohio Electric Manufacturing Co., The. (See Wertz, Roy O., assignor.)
Ohio Foundry & Manufacturing Co., The. (See Sharp, William L., assignor.)
Ohio Instrument Manufacturing Company, The. (See Bates, Charles F. W., assignor.)
Ohio Instrument Manufacturing Company, The. (See Gebauer, Charles L., assignor.)
Ohio Match Company, The. (See Parker, Lucian E., assignor.)
Ohio Oil Company, The. (See Skinner, Alva L., assignor.)
Ohio Parts Company, The. (See Terrell, H. C., and Kerkhoff, assignors.)
Ohio Pattern Works and Foundry Company, The. (See Hinnekamp, Elmer F., assignor.)
Ohio Power Shovel Company, The. (See Rauch, J. D., and Reid, assignors.)
Ohio Power Shovel Company, The. (See Rauch, John P., assignor.)
Ohio Rubber Company, The. (See Bronson, Budd, assignor.)
Ohio Sanitary Engineering Corporation, The. (See Travers, John T., assignor.)
Ohio Sanitary Engineering Corporation, The. (See Travers, J. T., and Urbain, assignors.)
Ohio State Stove Corporation, The. (See Clark, Joseph C., assignor.)
Ohio State Bank & Trust Company, The. (See Buquor, A., and Stebbins, assignors.)
Ohio Steel Foundry Company, The. (See Duffee, Paul Y., assignor.)
Ohio Steel Foundry Company, The. (See Harbison, Clarence B., assignor.)
Ohio Truss Company, The. (See Pease, Isaac M., assignor.)
Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Radio signaling system. 1,792,600; Feb. 17.
Ohl, Russell S., New York, N. Y., assignor to American Telephone & Telegraph Company. Signaling system. 1,805,591; May 19.
Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Oscillation generator. 1,812,977; July 7.
Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Radio signaling system. 1,814,956; July 14.
Ohlendorf, Emil F., Moline, Ill. Bumper mechanism. 1,805,414; May 12.
Ohlendorf, Emil F., Moline, Ill. Bumper mechanism. 1,825,086; Sept. 29.
Ohler, Frank L., assignor to The Haughton Elevator & Machine Company, Toledo, Ohio. Elevator-control device. 1,797,512; Mar. 24.
Ohler, Katharine, Los Angeles, Calif. Combination ink stand and penwiper. 1,800,699; Apr. 14.
Ohliger, Ernest, Pelham, N. Y. Truck crane. 1,817,392; Aug. 4.
Ohlin, Erik A., Hyltebruk, Sweden. Drying paper in the form of a continuous web. 1,830,287; Nov. 3.
Ohlrich, Charles H., assignor of one-half to L. W. Hummel, Philadelphia, Pa. Aircraft. 1,814,957; July 14.

Ohlson, Albert J., assignor to Bakeries Service Corporation, New York, N. Y. Self supporting display card. 1,821,025; Sept. 1.
Ohlson, Edgar A., Ogden, Iowa. Liquid filter. 1,822,368; Sept. 8.
Ohlson, Hjalmar B., Stockholm, Sweden. Page lock for printers' forms. 1,823,060; Sept. 15.
Ohlsson, Charles J., Brooklyn, assignor to Paramount Oil Burners, Inc., New York, N. Y. Oil burner. 1,822,540; Sept. 8.
Ohm, Albert J. D., Oak Park, assignor to Beardslee Chandelier Manufacturing Company, Chicago, Ill. Lighting fixture. Des. 84,589; July 7.
Ohm, Albert J. D., Oak Park, assignor to Beardslee Chandelier Manufacturing Company, Chicago, Ill. Lighting fixture. Des. 84,590; July 7.
Ohm, Johannes, Bottrop, Westphalia, Germany. Apparatus for producing nystagmus. 1,827,954; Oct. 20.
Ohmer Fare Register Company. (See Gluck, J., and Karich, assignors.)
Ohmer Fare Register Company. (See Kelly, John C. assignor.)
Ohmer Fare Register Company. (See Mills, John B., assignor.)
Ohmer Fare Register Company. (See Ohmer, Henry B., assignor.)
Ohmer Fare Register Company. (See Ohmer, J. F., and Maley, assignors.)
Ohmer Fare Register Company. (See Palmer, Brian C. assignor.)
Ohmer Fare Register Company. (See Tingley, Bruce H., assignor.)
Ohmer, Henry B. (See Apple, V. G., and Ohmer.)
Ohmer, Henry B., assignor to Ohmer Fare Register Company, Dayton, Ohio. Printing mechanism. 1,794,795; Mar. 3.
Ohmer, John F., and T. C. Maley, assignors to Ohmer Fare Register Company, Dayton, Ohio. Means to prevent misuse of a ticket issuing machine by the introduction of an instrument through the ticket delivery slot. 1,819,195; Aug. 18.
Ohmer Mare Register Company. (See Apple, V. G., and Ohmer, assignors.)
Ohnell, Ernst J., New York, N. Y. Measuring instrument. 1,797,441; Mar. 24.
Ohnesorge, O., Bochum, Germany. Rope gearing and the like. 1,828,255; Oct. 20.
Ohno, Tadashi, Hongoku, Tokyo, Japan. Shutter. 1,830,405; Nov. 3.
Ohnstrand, Enoch, Kenmore, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Bookstack. 1,806,642; May 26.
Ohnstrand, Enoch, Kenmore, N. Y., assignor to Remington Rand Inc., New York, N. Y. Desk drawer lock. 1,806,643; May 26.
Ohnstrand, Enoch, Kenmore, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Insulated furniture construction. 1,826,670; Oct. 6.
Ohnstrand, Enoch, Kenmore, assignor to Remington Rand Inc., New York, N. Y. Label holder. 1,826,671; Oct. 6.
Ohnstrand, Enoch, Kenmore, assignor to Remington Rand Inc., New York, N. Y. Drawer guide. 1,832,729; Nov. 17.
Ohnstrand, Enoch, Kenmore, and B. G. Rand, North Tonawanda, assignors to Remington Rand Inc., New York, N. Y. Furniture construction. 1,795,138; Mar. 3.
Ohran, Charles, Burlingame, Calif. Damper for fireplaces. 1,837,061; Dec. 15.
Ohrberg, John F., Moline, Ill. Vibratory exercising and massaging machine. 1,815,630; July 21.
Ohse, Walter R. (See Smiley, G. T., and Ohse.)
Ohta, Hirotaro, Ushigome-Ku, Tokio, assignor to The Asahi Glass Company, Limited, Tokio, Japan. Producing insulating varnish, which principally consists of rosin and tung-oil. 1,801,364; Apr. 21.
Oil City Boiler Works. (See Mays, James J., assignor.)
Oil Conservation Engineering Company, The. (See Calhoun, Tracy J., assignor.)
Oil Devices Corporation. (See Breese, James L., jr., assignor.)
Oildraulic Lift Company. (See Stukenborg, Louis C., assignor.)
Oil Finding Corporation. (See Billotte, L. C., and Lipson, assignor.)
Oilgear Company, The. (See Ferris, John P., assignor.)
Oilgear Company. (See Ferris, Walter, assignor.)
Oil-O-Matic Manufacturing Company. (See McMillan, James O., assignor.)
Oil Products Appliance Co. (See Nichols, Roscoe W., assignor.)
Oil Well Supply Company. (See Greve, Edgar E., assignor.)
Oil Well Supply Company. (See Lemex, John D., assignor.)
Oishei, John R. (See Hueber, H., and Oishei.)
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Vehicle heater. 1,824,921; Sept. 29.
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Windshield parker. 1,826,672; Oct. 6.
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Sleet blade. 1,828,715; Oct. 20.
Oishei, John R., and H. Hueber, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner motor. 1,834,219; Dec. 1.
Oishei, William E., and F. Wieland, assignor to Trico Products Corporation, Buffalo, N. Y. Sign. 1,828,716; Oct. 20.
Oiwa, Kazue. (See Takemura, Kazuo, assignor.)
Okada, Frank G., Denver, Colo. Automobile. Des. 83,343; Feb. 17.
Okadee Company, The. (See Ayers, Augustine R., assignor.)
Okamota, Tetsuo, Osaka-Shi, Japan. Electric heating apparatus. 1,792,390; Feb. 10.
Okamoto, Yuichi, Ebara-Gun, Tokyo, Japan. Printing telegraph. 1,801,528; Apr. 21.
Okamoto, Yuichi, Ebara-Gun, Tokyo, Japan. Printing telegraph. 1,801,529; Apr. 21.
O'Kane, Robert G. (See Esselen, G. J., jr., and O'Kane.)
O'Keefe, Walter, Schenectady, N. Y. Brake equalizer. 1,796,874; Mar. 17.
O'Keeffe, George W., New Rochelle, N. Y. Apparatus for drying. 1,803,766; May 5.
O'Keeffe, George W., New Rochelle, N. Y. Drying. 1,803,767; May 5.
O'Keeffe, George W., Milton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Rotary control switch. 1,829,606; Oct. 27.
O'Keeffe, George W., Milton, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and undervoltage protective device. 1,837,830; Dec. 22.
Okey, Perry, Columbus, Ohio. Apparatus for feeding lines. 1,810,143; June 16.
Okey, Perry, Columbus, Ohio, assignor, by mesne assignments, to The American Fork & Hoe Company. Shaft wrapping machine. 1,807,869; June 2.
Oklahoma Iron Works. (See Wright, William, assignor.)
Okochi, Masatosi, Shitaya-ku, Tokyo, assignor to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Apparatus for aerated oil injection for internal-combustion engines. 1,798,349; Mar. 31.
Okonite-Callender Cable Company, The. (See Loomis, Evarts G., assignor.)
Okonite Company, The. (See Charles, Henry E., assignor.)
Oksenholt, Jens N., and J. A. Coleman, Jena, La. Drilling and coring tool. 1,791,370; Feb. 3.
Okun, Joseph H., Brooklyn, assignor to Kny-Scheerer Corporation, New York, N. Y. Bedpan washer. 1,807,634; June 2.
Olander, Robert O., Calumet, Mich. Fluid operated tool. 1,809,309; June 9.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,796,301; Mar. 17.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 1,809,908; June 16.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,831,927; Nov. 17.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 1,832,944; Nov. 24.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Antifriction bearing. 1,835,178; Dec. 8.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Manually operated brake. 1,836,276; Dec. 15.
Olaszy, Joseph, Linden, N. J., assignor of one-third to B. Wiseman, New York, N. Y., and one-third to B. Siman, Elizabeth, N. J. Aeroplane air station. 1,807,429; May 26.
Olcott, Charles A., New York, N. Y., assignor to S. S. Hepworth Company, New York, N. Y. Centrifugal drier. 1,795,179; Mar. 3.
Olcott, James H., Waterbury, Conn. Spring shackle bearing. 1,813,708; July 7.
Old Ben Coal Corporation. (See Greene, F. C., and Lauck, assignors.)
Old, Clayton W., Montclair, N. J., assignor to International Fire Equipment Corporation, New York, N. Y. Fire extinguisher. 1,804,477; May 12.
Old Colony Envelope Company. (See Fountain, Joseph Lautrup, assignors.)
Old Colony Trust Company, executor. (See Lang, James S.)
Old Colony Trust Company, trustee. (See Spencer, Percy L., assignor.)
Oldfield, Lee, Chicago, Ill. Automobile package car. 1,835,609; Dec. 8.
Oldham, Edward L., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill. 1,808,817; June 9.
Oldham, Nile, assignor to Chicago Roll Screen Company, Chicago, Ill. Roll screen guide. 1,833,226; Nov. 24.
Old Jewry Trust Ltd. (See Dufay, Louis, assignor.)
Old Monk Oil Co. (See Dole, Vincent P., assignor.)
Olds, F. E., & Son, Inc. (See Olds, Reginald B., assignor.)
Olds, Reginald B., assignor to F. E. Olds & Son, Inc., Los Angeles, Calif. Piston valve for wind instruments. 1,821,397; Sept. 1.
O'Leary, Chas. M., jr. (See Banks, Charles G., assignor.)
O'Leary, Charles M., and J. F. Hiltscher, Los Angeles, Calif.; L. U. Hiltscher, administratrix of said J. F. Hiltscher, deceased, assignor to said O'Leary. Orifice meter fitting. 1,813,418; July 7.
O'Leary, John P., Long Island City, N. Y. Supplemental wheel for motor vehicles. 1,810,290; June 16.
O'Lena, Louis A., Forest Hills, N. Y. Knitted fabric and machine for producing same. 1,790,832; Feb. 3.
Olen, John E. (See Sandberg, P. A., and Olen.)

Oles, Charles M., Unadilla, N. Y. Apparatus for cleaning lubricant cases. 1,824,095; Sept. 22.
Olier, André, Clermont-Ferrand, assignor to Societe Anonyme Des Etablissements A. Olier, Clermont-Ferrand, France. Automatic apparatus for the continuous extraction of the sugar contained in sugar plants. 1,832,472; Nov. 17.
Olin, August, Alameda, assignor to Atlas Imperial Diesel Engine Company, Oakland, Calif. Spray valve control mechanism for internal combustion engines. 1,835,322; Dec. 8.
Oliphant, John, Chicago, Ill., assignor to Sullivan Machinery Company. Pumping system. 1,807,747; June 2.
Oliphant, John, Chicago, Ill., assignor to Sullivan Machinery Company. Pumping system. 1,834,586; Dec. 1.
Oliva, Vincent, assignor to Grand Central Wicker Shop, Inc., New York, N. Y. Chair or the like. Des. 84,201; May 19.
Olivarius, Holger de F., assignor to California Packing Corporation, San Francisco, Calif. Treating sugar solutions. 1,788,628; Jan. 13.
Olive, Theodore R. (See Butler, E. A., and Olive.)
Oliver, Anthony F. (See Palmer, R. C., Burda, and Oliver.)
Oliver, Charles E., Penticton, British Columbia, Canada. Manufacture of concentrated emulsions of oil and water. 1,790.070; Jan. 27.
Oliver, Earl L., Little Rock, Ark. Reenforcing means for nipples. 1,794,728; Mar. 3.
Oliver, Eben F., assignor to Reynolds Electric Company, Chicago, Ill. Color lamp. 1,833,122; Nov. 24.
Oliver Farm Equipment Company. (See Altgelt, Herman E., assignor.)
Oliver Farm Equipment Company. (See Ashton, James T., assignor.)
Oliver Farm Equipment Company. (See Aspinwall, Lewis A., assignor.)
Oliver Farm Equipment Company. (See Cowell, Harry H., assignor.)
Oliver Farm Equipment Company. (See Dewend, William D., assignor.)
Oliver Farm Equipment Company. (See Gemberling, Cameron H., assignor.)
Oliver Farm Equipment Company. (See McKenzie, Ralph N., assignor.)
Oliver, Fay. (See Allen, Chester T., assignor.)
Oliver, Fay. (See Spencer, E. A., jr., and Oliver.)
Oliver, Francis. (See Francis, H., and Oliver.)
Oliver, George L., Pomeroy, Wash. Sack jigger and shaper for grain thrashing machines. 1,834,472; Dec. 1.
Oliver, Guy C., Whittier, assignor of one-half to R. R. Crum, Los Neitos, Calif. Drilling bit. 1,809,351; June 9.
Oliver, James C. (See Hoecher, Paul V., assignor.)
Oliver, John R., Medfield, assignor to Reece Shoe Machinery Company, Boston, Mass. Press operating mechanism. 1,817,703; Aug. 4.
Oliver United Filters, Inc. (See Campbell, Robert C., assignor.)
Oliver United Filters Incorporated. (See Culver, Edwin S., assignor.)
Oliver United Filters Incorporated. (See Gardella, William, assignor.)
Oliver United Filters Inc. (See Gardella, William M., assignor.)
Oliver United Filters Inc. (See Hoyt, John T., assignor.)
Oliver United Filters Inc. (See Stanley, C. M., and Evans, assignors.)
Oliver United Filters Inc. (See Sweetland, Ernest J., assignor.)
Oliver United Filters Inc. (See Sweetland, E. J., Zanthoefer, and Hoyt, assignors.)
Oliver, Wallace F., Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Semirigid brake shoe. 1,832,135; Nov. 17.
Oliver, Wallace F., Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Brake shoe and mounting therefor. 1,832,136; Nov. 17.
Oliver, Walter E., assignor to Autgraphico Register Company, Hoboken, N. J. Manifolding device. 1,836,546; Dec. 15.
Ollagnon, Paul, St.-Etienne, France. Wrench. 1,802,954; Apr. 28.
Olley, Edwin A., assignor to Crouse-Hinds Company, Syracuse, N. Y. Wall cover plate and mounting therefor. 1,818,269; Aug. 11.
Olley, Edwin A., and D. B. Winter, assignors to Crouse-Hinds Company, Syracuse, N. Y. Fastener for boxes. 1,826.817; Oct. 13.
Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Lock for lamp sockets. 1,796,118; Mar. 10.
Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Lamp receptacle. 1,796,120; Mar. 10.
Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Switch operating mechanism. 1,812,896 July 7.
Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Switch operating mechanism. 1,821,026; Sept. 1.
Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Conduit outlet box. 1,829.054; Oct. 27.
Olmstead, Frederick A., assignor to The Chain Products Company, Cleveland, Ohio. Chain tool. 1,819,520; Aug. 18.
Olmstead, Henry H., Wharton, N. J. Apparatus for and method of loading bombs. 1,811,061; June 23.
Olmstead, Orimell B., Pulaski, N. Y. Steam and hot water boiler. 1,807,249; May 26.
Olmsted, Russell C., Hudson Heights, N. J., and E. D. Reed, Philadelphia, Pa.; said Reed assignor to said Olmsted. Chair and spacer for concrete reenforcements. 1,835,806; Dec. 8.
Olpp, Ernest A., New York, N. Y. Circuit controlling means. 1,826,477; Oct. 6.
Olschewsky, Henry F., Olympia, Wash. Manufacture of cake frosting. 1,788,493; Jan. 13.
Olsen, Andrew, jr., and J. A., assignors to Golden Nuggett Sweets, San Francisco, Calif. Candy handling system. 1,804,026; May 5.
Olsen, Axel M., Brooklyn, N. Y. Combined motion picture and talking machine. 1,838,440; Dec. 29.
Olsen, Carl E. (See Peterson, J. A., and Olsen.)
Olsen, Carl, Lynn, assignor to Excel Taping Machine Co., Lynn, Mass. Method and apparatus for applying tape. 1,801,972; Apr. 21.
Olsen, Christen, assignor to Manz Corporation, Chicago, Ill. Color printing process. 1,814,845; July 14.
Olsen, Edgar H. (See Good, J., and Olsen.)
Olsen, Fredrich, Dover, N. J. Purification of cellulose esters. 1,798,270; Mar. 31.
Olsen, Fredrich, and C. J. Bain, Dover, N. J. Apparatus for testing explosives. 1,801,449; Apr. 21.
Olsen, Gustav. (See Albertson, F. O., and Olsen.)
Olsen, Haakon T. (See Andrēn, K. H., and Olsen.)
Olsen, Halvor M., Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Socket. 1,805,783; May 19.
Olsen, Isaac, Brooklyn, N. Y. Reversible superturbine. 1,836,388; Dec. 15.
Olsen, Isak A. (See Olson, S. and Olsen.)
Olsen, James A. (See Olsen, Andrew, jr., and J. A.)
Olsen, John B., Milwaukee, Wis. Window shade. 1,793,822; Feb. 24.
Olsen, John C., assignor to Flexible Lacing Steel Co., Chicago, Ill. Holder for belt fastening means. 1,801,566; Apr. 21.
Olsen, Joseph, Portland, Oreg. Paper tape machine. 1,806,412; May 19.
Olsen, Julius C., Racine, assignor to Western Metal Specialty Co., Milwaukee, Wis. Chemical toilet. 1,792,181; Feb. 10.
Olsen, Niels H. F., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Bumper. 1,802,925; Apr. 28.
Olsen, Ove A. (See Sarheim, J. O., and Olsen.)
Olsen, Tinius, Testing Machine Company. (See Lewis, Robert B., assignor.)
Olsen, Tinius, Testing Machine Co. (See Olsen, Tinius, assignor.)
Olsen, Tinius, assignor to Tinius Olsen Testing Machine Co., Philadelphia, Pa. Lever for testing machine weighing systems. 1,811,210; June 23.
Olshansky, Max J., et al. (See Stubner, John F., assignor.)
Olshevsky, Dimitry E., Milford, Conn. Wind tunnel for testing aeroplanes. 1,811,364; June 23.
Olson, Albert, Minneapolis, Minn. Toy. Des. 85,540; Nov. 10.
Olson, Albert, Tompkinsville, N. Y. Gypsum mixer. 1,801,685; Apr. 21.
Olson, Albin C., Duluth, Minn. Vehicle wheel. 1,795,574; Mar. 10.
Olson, Alex H., Evanston, assignor to Droll Patents Corporation, Chicago, Ill. Machine for handling fibrous material. 1,812,412; June 30.
Olson, Andrew. (See Tufts, L. R., and Olson.)
Olson, Andrew, New York, N. Y. Dustproof oil bearing. 1,792,922; Feb. 17.
Olson, Andrew, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Sliding deflector. 1,825,247; Sept. 29.
Olson, Berndt A., assignor to Tacoma Veneer Company, Tacoma, Wash. Panel rip saw mechanism. 1,833,470; Nov. 24.
Olson Bros. Saw Manufacturing Co. (See Olson, John, assignor.)
Olson, Carl A., assignor to Lisle Manufacturing Company, Clarinda, Iowa. Cylinder edge dressing tool. 1,824,494; Sept. 22.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Hob. 1,787,590; Jan. 6.
Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Screw and lock washer. 1,788,735; Jan. 13.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Grinding hobs. 1,788,737; Jan. 13.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Hob. 1,792,548; Feb. 17.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Thread-milling cutter. 1,795,093; Mar. 3.
Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Lock nut. 1,813,947; July 14.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Making milling cutters. 1,815,324; July 21.
Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Making lock washers. 1,822,600; Sept. 8.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Hob cutter and making same. 1,829,292; Oct. 27.

Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Screw lock. 1,829,293; Oct. 27.
Olson, Carl G., assignor to Shakeproof Lock Washer Company, Chicago, Ill. Rotary cutting apparatus. 1,829,532; Oct. 27.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Forming teeth in gear blanks. 1,833,227; Nov. 24.
Olson, Carl J., Minneapolis, Minn. Making glass signs. 1,810,526; June 16.
Olson, Charles, Grand Rapids, Mich. Air compressor. 1,819,966; Aug. 18.
Olson, Charles A., Geneva, Ill., assignor to Crane Co., Chicago, Ill. Self-packing valve. 1,822,666; Sept. 8.
Olson, Charles E., Bridgeport, Conn. Apparatus for rescuing crews of submarines. 1,819,918; Aug. 18.
Olson, Charles E., Bridgeport, Conn. Light and signal switch. 1,835,894; Dec. 8.
Olson, Charles S., Duluth, Minn. Molding. 1,798,897; Mar. 31.
Olson, Charles S., Duluth, Minn. Condiment shaker. 1,833,851; Nov. 24.
Olson, Fridolph A., Milwaukee, Wis. Casement window and hinge therefor. 1,833,972; Dec. 1.
Olson, George E., Hibbing, Minn. Brake beam fulcrum. 1,823,504; Sept. 15.
Olson, Gunner, and E. H. Kehl, Chicago, Ill. Heater. 1,835,323; Dec. 8.
Olson, Halvor, Moorhead, Minn. Boat structure with detachable cabin. 1,832,046; Nov. 17.
Olson, Hans M., Fallbrook, Calif. Chlorine-treated cement. 1,792,755; Feb. 17.
Olson, Harry F. (See Wolff, I., and Olson.)
Olson, Helmer, Milaca, Minn. Apparatus for filling receptacles with liquid. 1,831,028; Nov. 10.
Olson, Henry E., Racine, Wis. Latch for hinged doors. 1,830,288; Nov. 3.
Olson, Johan H., Larchmont, N. Y., assignor to M. H. Treadwell Company. Braking mechanism. 1,819,788; Aug. 18.
Olson, John, administrator. (See Hentschel, Ernest R., assignor.)
Olson, John, assignor to Olson Bros. Saw Manufacturing Co., Inc., Brooklyn, N. Y. Clamp. 1,830,558; Nov. 3.
Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Manger guard. 1,819,335; Aug. 18.
Olson, John O., St. Paul, Minn. Manufacturing heat exchangers. Re18,078; May 19.
Olson, Joseph, Houston, Tex. Steam engine valve gear. 1,807,005; May 26.
Olson Manufacturing Company. (See Hanson, Casper F., assignor.)
Olson, Nancy V. (See Olson, Rudolph E. and N. V.)
Olson, Ole N., and L. F. Johnk, Moorhead, Minn., said Johnk assignor to said Olson. Carburetor choke control. 1,915,631; July 21.
Olson, Olle, Chicago, Ill. Sled with brake. 1,836,768; Dec. 15.
Olson, Olof, Kingsburg, Calif. Agricultural machine. 1,793,746; Feb. 24.
Olson, Oscar A., St. Paul, Minn. Garment hanger. 1,792,236; Feb. 10.
Olson, Patrick, et al. (See Bovee, Hiram N., assignor.)
Olson, Peter, Oak Park, Ill., assignor to Samuel Olson & Company, Inc., Chicago, Ill. Automatic safety control for conveyers. Re18,262; Nov. 24.
Olson, Rudolph E. and N. V., Bryant, S. Dak. Dough cutter. 1,800,315; Apr. 14.
Olson, Samuel, Oak Park, assignor to Samuel Olson & Company Inc., Chicago, Ill. Tray elevator. 1,796,119; Mar. 10.
Olson, Samuel, Oak Park, assignor to Samuel Olson & Company, Inc., Chicago, Ill. Safety shut-off device for conveyer systems. 1,820,674; Aug. 25.
Olson, Samuel & Company. (See Erby, Philip, assignor.)
Olson, Samuel, & Company. (See Olson, Peter, assignor.)
Olson, Samuel, & Company. (See Olson, Samuel, assignor.)
Olson, Samuel & Company Inc. (See Olson, Samuel and Olsen, assignors.)
Olson, Samuel and I. A. Olsen, assignors to Samuel Olson & Company Inc., Chicago, Ill. Refuse chute. 1,834,171; Dec. 1.
Olson, Wayne E., Junction City, Kans. Drinking fountain. 1,838,324; Dec. 29.
Olsson, Johan G., Lidingon, and F. I. E. Stenfors, Alsten, Sweden. Apparatus for alternately heating and cooling circulating drying mediums during drying by means of the same. 1,795,094; Mar. 3.
Olthoff, Frank H., Pearl City, Ill. Lug fastening means. 1,828,815; Oct. 27.
Olvis, James E., Los Angeles, Calif. Rejection means for perforated coins. 1,821,233; Sept. 1.
O'Malley, John F., Flushing, N. Y. Safety attachment for aeroplanes. 1,829,607; Oct. 27.
Oman, Christopher H. (See Smith, William M., assignor.)
Omansky, Morris, Roxbury, Boston, assignor to Arthur D. Little, Inc., Cambridge, Mass. Reclaiming vulcanized rubber. 1,807,930; June 2.
O'Meara, Denis H., Detroit, Mich., assignor to American Optical Company, Southbridge, Mass. Magnifying measuring instrument. 1,803,483; May 5.
O'Meara, Denis H., Detroit, Mich., assignor to American Optical Company, Southbridge, Mass. Eyeshade. 1,834,415; Dec. 1.
O'Meara, Thomas J. (See Lockhart, W. K., and O'Meara.)
O'Meara, Thomas J. (See Shaw, N. C., and O'Meara.)
O'Meara, Thomas J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,819,789; Aug. 18.
O'Meara, Thomas J., Pittsburgh, and N. C. Shaw, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electromagnetic apparatus. 1,792,318; Feb. 10.
Omenitsch, Hans, Jackson Heights, assignor of one-third to Arthur Baumann, Elmhurst, Long Island, and one-third to Herbert Holden, New York, N. Y. Tire-casing cushion. 1,791,935; Feb. 10.
Omoto, Bunnosuke, Green River, Wyo. Automobile tire. Des. 83,640; Mar. 10.
Omoto, Ryo, Tokyo-Fu, assignor of one-half to M. Tada, Toyko, Japan. Black line photographic sensitized paper and making the same. 1,805,592; May 19.
Omundson, Mae F., Minneapolis, Minn. Finger comb. 1,795,500; Mar. 10.
Ondoli, Ernesto J., Buenos Aires, Argentina. Motor-control system. 1,795,095; Mar. 3.
Ondrasina, Anna, administratrix. (See Terry, Jimmy.)
Ondricek, Adolph, Astoria, N. Y. Package handle. 1,829,533; Oct. 27.
O'Neal, Peggy Cigar Corporation, The. (See Bendheim, Clarence D., assignor.)
O'Neal, Peggy, Cigar Corporation. (See Weber, Charles, assignor.)
O'Neal, Theodore M., and W. W. Newbury, Delray Beach, Fla. Power-transmission apparatus. 1,788,065; Jan. 6.
Oneida Community, Limited. (See Allen, G. N., and Bennett, assignors.)
Oneida Community, Limited. (See Allen, G. N., and Parker, assignors.)
Oneida Community, Limited. (See Allen, G. N., Parker, and Ressegger, assignors.)
Oneida Community Limited. (See Gerth, William H., assignor.)
Oneida Community Limited. (See Helander, Lillian V. M., assignor.)
Oneida Community, Limited. (See Tauschek, Otto, as signor.)
O'Neil, Edward J., Bridgeport, Conn. Bed. 1,793,006; Feb. 17.
O'Neil, Edward L., London, Ontario, Canada. Knockdown sectional display shelves. 1,824,682; Sept. 22.
O'Neil, James A., Lynn, Mass., assignor to General Electric Company. Flood light lamp. Des. 83,058; Jan. 13.
O'Neil, James A., Lynn, Mass., assignor to General Electric Company. Flood-light lamp. Des. 83,208; Feb 3.
O'Neil, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Forming a lacquered can end with attached opening key for containers. 1,799,863; Apr. 7.
O'Neil, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Automatic can testing machine. 1,815,523; July 21.
O'Neil, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Brine supplying attachment for can closing machines. 1,820,480; Aug. 25.
O'Neil, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Container and vacuumizing the same. 1,820,481; Aug. 25.
O'Neil, James H., and G. Flook, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Automatic can testing machine. 1,815,522; July 21.
O'Neil, James H., and A. L. Kronquest, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Hermetically sealing food products in vacuum. 1,819,437; Aug. 18.
O'Neil, Jeremiah J., Winchester, Mass., assignor to Converse Rubber Company, Malden, Mass. Shoe sole. Des. 83,169; Jan. 27.
O'Neil, Jeremiah J., Winchester, Mass., assignor to Converse Rubber Company, Malden, Mass. Shoe sole. Des. 83,170; Jan. 27.
O'Neil, Jeremiah R., Boston, Mass. Ring. 1,798,103; Mar. 24.
O'Neil, John. (See O'Neil, R. D. and J.)
O'Neil, Ralph D., Roseville, and J. O'Neil, Columbus, Ohio. Float operated valve. 1,831,318; Nov. 10.
O'Neil, Richard W., assignor to The Shoe Hardware Co., Waterbury, Conn. Buckle. 1,792,923; Feb. 17.
O'Neil, Robert E. (See Lennon, H. E., and O'Neil.)
O'Neill, Benjamin A., assignor to Schutz-O'Neill Co., Minneapolis, Minn. Machine for cutting coffee and the like. 1,824,681; Sept. 22.
O'Neill, Charles A., Pottstown, Pa. Electrical piano. 1,831,749; Nov. 10.
O'Neill, Charles J. (See Chestnut, John, assignor.)
O'Neill, Edward J. (See Vieau, H. F., and O'Neill.)
O'Neill, Edward J., et al. (See Vieau, Harold F., assignor.)
O'Neill, Frank, jr., assignor to Empire Hood Seal Corporation, New York, N. Y. Container cover. 1,793,632; Feb. 24.
O'Neill, Frank, jr., assignor to Empire Hood Seal Corporation, New York, N. Y. Container cover and forming and applying same. 1,828,906; Oct. 27.
O'Neill, Henry W., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Echo-suppressing and energy-limiting circuits. 1,788,736; Jan. 13.

O'Neill, Henry W., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Designation strip. 1,818,156; Aug. 11.
O'Neill, Henry W., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling and communication system. 1,823,120; Sept. 15.
O'Neill, Hugh T., and A. J. Harriman, Washington, D. C. Treating fruits. 1,813,357; July 7.
O'Neill, Hugh T., and A. J. Harriman, Washington, D. C. Treating fruits. 1,813,358; July 7.
O'Neill, James A., Lynn, Mass., assignor to General Electric Company. Lighting unit. 1,837,989; Dec. 22.
O'Neill, John E., Corning, N. Y. Saw. 1,806,702; May 26.
O'Neill, John W., Chicago, Ill. Radium emanator. 1,815,213; July 21.
Oneill, John W., Chicago, Ill. Irrigation tube. 1,823,951; Sept. 22.
O'Neill, Joseph, Akron, Ohio. Advertising display device. 1,820,708; Aug. 25.
O'Neill, Joseph A., New York, N. Y. Automatic disk record player. 1,818,645; Aug. 11.
O'Neill, Leo M., Evanston, Ill. Washing apparatus. 1,797,584; Mar. 24.
O'Neill, Michael J., Chicago, Ill. Take off and landing platform for aeroplanes. 1,803,507; May 5.
O'Neill, Paul A., San Francisco, Calif. Internal combustion engine. 1,838,495; Dec. 29.
O'Neill, Thomas, Brooklyn, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Binder for sewing machines. 1,812,830; June 30.
O'Neill, Thomas, Brooklyn, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Ribbon shirring device for sewing machines. 1,823,505; Sept. 15.
O'Neill, William J., River Forest, assignor to Mercil Plating Equipment Company, Chicago, Ill. Clamp. 1,823,465; Sept. 15.
Onions, John W., Waterside South, Lincoln, assignor to Ruston & Hornsby, Limited, Waterside South, Lincoln, England. Fuel-distributing pump for internal-combustion engines. 1,791,600; Feb. 10.
Onofrio, Anastas, Detroit, Mich. Coffee urn. 1,802,268; Apr. 21.
Onondaga Steel Company. (See Newkirk, Harland D., assignor.)
Onsrud Machine Works, Inc. (See Onsrud, Oscar, assignor.)
Onsrud, Oscar, assignor to Onsrud Machine Works, Inc., Chicago, Ill. Oscillating-bit mortiser. 1,787,756; Jan. 6.
Onsrud, Oscar, assignor to Onsrud Machine Works, Inc., Chicago, Ill. Fluid actuated gripping and work-positioning means. 1,822,501; Sept. 8.
Onsrud, Oscar, assignor to L. L. Valentine, Chicago, Ill. Air driven cotton picker head. 1,836,547; Dec. 15.
Onstad, Henry G., assignor to Fegles Construction Company, Limited, Minneapolis, Minn. Loading-spout device. 1,791,371; Feb. 3.
Oosterhuis, Ekko. (See Mulder, J. G. W., and Oosterhuis.)
Oothout, William J., Queens Village, N. Y. Beam-head brake for looms. 1,796,647; Mar. 17.
Opacity, Paul, Newark, assignor to J. Gitz, jr., West Orange, N. J. Sole cementing machine. 1,835,079; Dec. 8.
Opavsky, Walter, Siegen, Germany. Apparatus for drying goods of any character. 1,791,038; Feb. 3.
Operadio Manufacturing Co. (See Stone, John M., assignor.)
Opfermann, Erich, Berlin, assignor to I. G. Farbenindustrie, Aktiengesellschaft, Frankfort-on-the-Main, Germany. Bleaching cellulose fiber. 1,801,876; Apr. 21.
Opheim, Torgils S., Long Beach, Calif. Locking sheave. 1,809,179; June 9.
Opie, Ernest J., Menands, assignor to Ramsey Chain Co., Inc., Albany, N. Y. Automatic chain or belt tightener. 1,815,954; July 28.
Opitz, Bernard O., Portland, Oreg., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Automatic measuring and filling machine. 1,789,018; Jan. 13.
Opitz, Bernhard O., Portland, Oreg., assignor to Individual Drinking Cup Company, Inc. Automatic measuring and filling device. 1,789,051; Jan. 13.
Opitz, Georg, Berlin, Germany. Check-book. 1,833,433; Nov. 24.
Opolo, Charles, Los Angeles, Calif. Tractor. 1,829,808; Nov. 3.
Oppe, Charles. (See Wheeler, G. E., and Oppe.)
Oppe, Charles, assignor to The G & O Manufacturing Company, New Haven, Conn. Radiator. 1,813,079; July 7.
Oppenheim, Charles, assignor to Sears, Roebuck and Co., Chicago, Ill. Watch fob or similar article. Des. 83,745; Mar. 24.
Oppenheim, Charles, assignor to Sears, Roebuck and Co., Chicago, Ill. Watchcase. Des. 83,746; Mar. 24.
Oppenheim, Oberndorf & Co. (See Atkinson, Joseph M., assignor.)
Oppenheim, Rudolph S., Seattle, Wash. Recovery of protein matter from liquids containing the same. 1,815,160; July 21.
Oppenheim, Rudolph S., Hollywood, Calif. Ozone process of obtaining metals from ores. 1,837,286; Dec. 22.
Oppenheim, Theodore H., assignor to The New Idea Spreader Co., Coldwater, Ohio. Crating and shipping corn pickers. 1,837,062; Dec. 15.
Oppenländer, Emil, Waiblingen, near Stuttgart, Germany. Combined insect catching lamp and killing device. 1,816,396; July 28.
Oppermann, Ernst. (See Taube, K., and Oppermann.)
Opperman, Otto F., Seattle, Wash. Child's power shovel. 1,827,541; Oct. 13.
Oppfelt, Carl A. (See Henry, C. A., and Oppfelt.)
Oppy, Alwyn G., and G. B. Sadler, Welch, W. Va. Coal cleaner. 1,792,440; Feb. 10.
Orange County Manufacturing Co. (See Stewart, Howard R., assignor.)
Orange-Crush Company. (See Bost, William D., assignor.)
Orange-Crush Company. (See Ebbesen, Alf C., assignor.)
Orawiec, John, Chicago, Ill. Valve grinder. 1,790,071; Jan. 27.
Orawiec, John, Chicago, Ill. Wrench. 1,838,957; Dec. 29.
Orbel, Curt G., assignor to Müller & Montag, Gesellschaft mit beschränkter Haftung, Leipzig, Germany. Multiple-spindle machine tool. 1,797,729; Mar. 24.
Orbon Stove Co. (See Herrenbruck, Herman, assignor.)
Orchestraphone Company. (See Cloud, Raymond T., assignor.)
Ordway, Donald P. (See Sherman, H. B., and Ordway.)
Ordway, Ernest J., Dorchester, and A. E. Cushing, Brockton, Mass. Edge binding and applying same. 1,791,836; Feb. 10.
O'Reilly, Daniel, and J. Howe, Waterbury, Conn. Apparatus for cleaning blackboard erasers. 1,830,129; Nov. 3.
O'Reilly, Francis, San Francisco, Calif. Bowl type concrete mixer. 1,837,287; Dec. 22.
O'Reilly, John J., New York, N. Y. Concrete, masonry and steel construction. 1,807,323; May 26.
O'Reilly, Orrill, Houston, Tex. Portable booth. 1,796,578; Mar. 17.
Orelind, John R., assignor to Minneapolis-Moline Power Implement Co., Moline, Ill. Cultivator. 1,808,932; June 9.
Orelind, John R., assignor to Minneapolis-Moline Power Implement Company, Moline, Ill. Thrust bearing. 1,832,649; Nov. 17.
Orelup, John W., East Orange, N. J. Production of dihydroxyanthraquinone and its derivatives. 1,790,510; Jan. 27.
Orelup, John W., East Orange, and O. I. Lee, Jersey City, N. J. Noncorroding composition. 1,795,883; Mar. 10.
Orester, Jacob, and W. J. Gee, Syracuse, N. Y. License plate holder. Des. 84,125; May 5.
Orester, Jacob, and W. J. Gee, Syracuse, N. Y. Tag or sign holder. 1,816,741; July 28.
Orester, Jacob, and W. J. Gee, Syracuse, assignors of one-third to J. E. Boyle, Solvay, N. Y. License-plate holder. 1,787,545; Jan. 6.
Orfanson, George J., Chicago, Ill. Orange crusher. Des. 84,066; Apr. 28.
Orford Soap Company, The. (See Hendrickson, Victor, assignor.)
Oriental Silk Printing Company. (See Monton, Paul, assignor.)
Orkin, Leopold L., assignor, by mesne assignments, to Du Fold Brush Manufacturing Co., Inc., New York, N. Y. Foldable wardrobe appliance. 1,836,935; Dec. 15.
Orlando, Luigi, Milan, assignor, by mesne assignments, to Metallurgica Bresciana Gia Tempini, Fiumegrande, Brescia, Italy. Device for loading firearms. 1,812,363; June 30.
Orlando, Paolo, assignor to Silurificio Whitehead Di Fiume Societa Anonima, Fiume, Italy. Torpedo. 1,820,822; Aug. 25.
Orlando, Paolo, assignor to Silurificio Whitehead Di Fume Società Anonima, Fiume, Italy. Torpedo. 1,825,816; Oct. 6.
Orling, Axel. (See Creed, F. G., and Orling.)
Orloff, Arthur. (See Burke, P., and Orloff.)
Orloff, Arthur, assignor to Northwest Engineering Corporation, Green Bay, Wis. Trench hoe. 1,793,126; Feb. 17.
Orloff, Arthur, assignor to Northwest Engineering Corporation, Green Bay, Wis. Excavator. 1,812,662; June 30.
Orloff, Arthur, assignor to Northwest Engineering Corporation, Green Bay, Wis. Excavator. 1,823,662; Sept. 15.
Orme, Wilber L., Cambridge, Ohio. Goblet or similar article. Des. 83,412; Feb. 17.
Orme, Wilber L., Cambridge, Ohio. Goblet or similar article. Des. 83,413; Feb. 17.
Orme, Wilber L., Cambridge, Ohio. Goblet or similar article. Des. 85,388; Oct. 20.
Orme, Wilber L., Cambridge, Ohio. Goblet or similar article. Des. 85,389; Oct. 20.
Orme, Wilber L., Cambridge, Ohio. Candle holder. 1,817,834; Aug. 4.
Ormesher, Frank L. (See Byland, H. C., and Ormesher.)
Ormesher, Frank L. (See Martin, E. R., Byland, Baldenhofer, and Ormesher.)
Ormesher, Frank L., assignor to Cemroc, Inc., Cincinnati, Ohio. Building material. 1,803,557; May 5.
Ormiston, Gilbert J., Judson, N. Dak. Riding spur. Des. 84,490; June 23.
Ormsbee, Willard A., Taunton, Mass., assignor to Taunton Pearl Works, Inc. Soft-collar holder. 1,798,803; Mar. 31.

Ormsby, Elon A., Centerville, Calif. Can opener. 1,826,324; Oct. 6.
Ormsby, Erle, assignor to Central Mine Equipment Company, St. Louis, Mo. Blasting cartridge. 1,805,672; May 19.
Ormsby, Erle, assignor to Central Mine Equipment Company, St. Louis, Mo. Blasting cartridge and tamper. 1,826,150; Oct. 6.
Ornamental Iron Work Company, The. (See Cook, Theodore L., assignor.)
Orna-Metal Awning Corporation. (See Capell, Carl F., assignor.)
Ornberg, Ivan, assignor to Hupp Motor Car Corporation, Detroit, Mich. Cooling system for internal-combustion engines. 1,791,572; Feb. 10.
Ornberg, Ivan, assignor to Hupp Motor Car Corporation, Detroit, Mich. Running board assembly. 1,825,012; Sept. 29.
Ornberg, Ivan, assignor to Hupp Motor Car Corporation, Detroit, Mich. Supporting bracket. 1,835,078; Dec. 8.
O'Rourke, Daniel J., Chicago, Ill. Method of and apparatus for tunneling. 1,833,368; Nov. 24.
O'Rourke, Daniel J., Phoenix, Ariz. Tunneling. 1,833,369; Nov. 24.
O'Rourke, John F., New York, N. Y. Tunnel or conduit lining. 1,788,248; Jan. 6.
O'Rourke, John F., New York, N. Y. Submarine air lock. 1,795,408; Mar. 10.
O'Rourke, John F., New York, N. Y. Subway and tunnel. 1,823,757; Sept. 15.
O'Rourke, John F., New York, N. Y. Lowering and raising submarine airlocks. 1,830,442; Nov. 3.
Orr, Calvin P., Laona, Wis. Tie handle. 1,805,845; May 19.
Orr, Claude L. (See Whitridge, J. C., and Orr.)
Orr, Fingal C., Rosemead, Calif. Water-sprinkling device. 1,798,488; Mar. 31.
Orr, Fingal C., Los Angeles, Calif., assignor to L. R. Nelson Mfg. Co., Inc. Sprinkling device. 1,791,222; Feb. 3.
Orr, Fred B. (See Orr, Walter L., assignor.)
Orr, Mark P. (See Gill, D. W., Orr, and Taylor.)
Orr, Melville L., Cincinnati, Ohio. Game. 1,811,960; June 30.
Orr, Roy T. (See Boden, J. E., and Orr.)
Orr, Samuel W., Peoria, Ill. Valve. 1,814,330; July 14.
Orr, Thomas C., Willows, Calif. Stock and poultry hook. 1,811,437; June 23.
Orr, Walter L., Denver, Colo., assignor of one-half to F. B. Orr, Chicago, Ill. Animal trap. 1,797,923; Mar. 24.
Orr, William F. (See Phillips, Thomas J., assignor.)
Orr, William G. D., assignor to A. B. Dick Company, Chicago, Ill. Interleaving sheet. 1,803,033; Apr. 28.
Orser, Otto J., Denver, Colo. Street cleaner. 1,807,259; May 26.
Orsett, Coy, Boston, Mass. Vehicle suspension. 1,824,096; Sept. 22.
Orswell, Israel C., assignor to The Amrad Corporation, Medford, Mass. Electrical tube. 1,823,373; Sept. 15.
Ortega, Carlos, New York, N. Y. Aeroship. 1,833,033; Nov. 24
Orth, George W., Philadelphia, Pa. Metal flashing. 1,799,637; Apr. 7.
Orth, William G., New York, N. Y. Portable power-driven machine for scrubbing, polishing, resurfacing, or otherwise treating floors. 1,820,482; Aug. 25.
Ortleb, Douglas B., St. Louis, Mo. Agitating device for the inking fountains of printing presses. 1,835,325; Dec. 8.
Ortlip, Walter H., Williamstown, N. J., assignor of one-half per cent to Bennett Bear, Carlisle, Pa. Control for traveling mechanism. 1,832,650; Nov. 17.
Ortman, Carl F., Martinton, Ill. Four-horse hitch for plows. 1,800,098; Apr. 7.
Ortner, Joseph L., Buffalo, N. Y. Journal bearing. 1,837,578; Dec. 22.
Ortner, Joseph L., Buffalo, N. Y. Car buffer mechanism. 1,837,579; Dec. 22.
Ortolon, Arthur P., Cotton Valley, La. Tool. 1,790,761; Feb. 3.
Orton, Albert W., assignor to American La France and Foamite Corporation, Utica, N. Y. Fire apparatus. 1,812,978; July 7.
Orton Crane & Shovel Co. (See Orton, Philo A., assignor.)
Orton, Ernest W., Mountain View, Calif., assignor to The Pelton Water Wheel Company, San Francisco, Calif. Butterfly valve. 1,824,168; Sept. 22.
Orton, Ernest W., Mountain View, and C. V. Foulds, Berkeley, assignors to The Pelton Water Wheel Company, San Francisco, Calif. Fluid-operated valve. 1,791,570; Feb. 10.
Orton, Philo A., Chicago, Ill., assignor to Orton Crane & Shovel Co., Huntington, Ind. Excavating machine. 1,793,507; Feb. 24.
Orussa, Lorence, Roanoke, Ill. Electric scissors. 1,802,571; Apr. 28.
Orwick, Harry R., and E. J. Bognar, assignor to Corundite Refractories, Inc., Massillon, Ohio. Grooved refractory lining. 1,789,474; Jan. 20.
Orynski, Leonard W., et al. (See McCarty, Madison P., assignor.)
Osako, Cleotra, Worland, Wyo. Cattle guard. 1,807,130; May 26.
Osann, Frenerick, Company. (See Plumley, Raymond L., assignor.)
Osawa, Naoshige, Nakano-Machi, Toyotama-Gun, Tokyo-fu, assignor to Ko Watanabe, Nagoya, Japan. Manufacture of paper making material. 1,833,852; Nov. 24.
Osbon, James G. (See Leeper, F., and Osbon.)
Osborn, Byrle J., Boston, Mass. Awning structure. 1,836,548; Dec. 15.
Osborn, Frederick J., and N. F. Wood, Gosport, England. Frame for vehicles. 1,816,788; July 28.
Osborn, George G., et al. (See Bishop, John H., assignor.)
Osborn, Harold C., Palatine, Ill. Automatic fire alarm. 1,814,733; July 14.
Osborn, Jacob R., Du Bois, Pa. Runner block and mounting means therefor. 1,805,254; May 12.
Osborn Manufacturing Company, The. (See Curtis, Edward E., assignor.)
Osborn Manufacturing Company, The. (See Oyster, Earl F., assignor.)
Osborn, Mark L., Elida, N. Mex. Cotton picking and gathering machine. 1,819,438; Aug. 18.
Osborn, Robert G., assignor to National Refrigeration Corporation, Beloit, Wis. Counter-evaporator. 1,818,740; Aug. 11.
Osborn, Roy T., et al. (See Cornner, A. F., and King, assignors.)
Osborn, Warren M., Chicago, Ill. Rail silencing tie plate. 1,826,566; Oct. 6.
Osborne, David H. (See Hawley, K. A., and Osborne.)
Osborne, David H., Jeffersonville, assignor to Electric Service Supplies Company, Philadelphia, Pa. Manufacturing insulators. 1,816,023; July 28.
Osborne, David H., Victor, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator connection. 1,819,380; Aug. 18.
Osborne, Edmund B., Montclair, N. J. Securing register of impressions in web fed printing machines. 1,822,902; Sept. 15.
Osborne, Frank C., St. Petersburg, Fla. Attachment for automobiles. 1,787,757; Jan. 6.
Osborne, Frederick E., Stratford-on-Avon, assignor to Permanent Posters, London, England. Ornamental Plaque and the like. 1,789,153; Jan. 13.
Osborne, John G., Milwaukee, Wis., and W. W. Hicks, Fort Worth, Tex. Wire fastening means. 1,811,892; June 30.
Osborne, John L., assignor to General Railway Signal Company, Rochester, N. Y. Counterweight. 1,794,535; Mar. 3.
Osborne, Oliver M., Madison, Wis. Musical instrument. 1,817,704; Aug. 4.
Osborne, Orien V., Greenville, Ill. Scratch awl. 1,797,016; Mar. 17.
Osborne, Paul J., Ozone Park, N. Y. Vehicle window. 1,835,174; Dec. 8.
Osborne, Ralph W., Toronto, Ontario, Canada. Protective device for communication apparatus used with communication lines subjected to extraneous voltage. 1,814,453; July 14.
Osborne, Raymond G., Los Angeles, Calif. Protecting concrete piling. 1,814,332; July 14.
Osborne, Raymond S., Sewickley, Pa. Riveting apparatus. 1,808,431; June 2.
Osburn, Wallace N., Detroit, Mich., assignor to Gemmer Manufacturing Company. Motor vehicle steering gear. 1,821,945; Sept. 8.
Oscanyan, Elsie S., et al., executors. (See Oscanyan, Paul C.)
Oscanyan, Paul C., deceased, Bogota, N. J.; E. S. Oscanyan and J. A. H. Hopkins, executors. Flushing apparatus. 1,793,446; Feb. 17.
Oscillating Motors Company. (See Wolff, Louis J., assignor.)
Osgian, James M., Racine, Wis. Signal switch. 1,808,316; June 2.
Osgian, James M., Racine, Wis. Signal switch. 1,819,196; Aug. 18.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,791,742; Feb. 10.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,791,743; Feb. 10.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Hoist apparatus. 1,791,744; Feb. 10.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,792,116; Feb. 10.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,792,467; Feb. 10.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,801,239; Apr. 14.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,804,946; May 12.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Feeding mechanism. 1,824,495; Sept. 22.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,824,964; Sept. 29.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,824,965; Sept. 29.

Osgood, Charles F., Claremont, N. H., assignor Sullivan Machinery Company. Mining apparatus. 1,826,218; Oct. 6.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,836,277; Dec. 15.
Osgood, George H., Tacoma, Wash. Vegetable protein-base glue. 1,804,640; May 12.
Osgood, George H., Tacoma, Wash. Pressure bar for veneer machines. 1,804,704; May 12.
Osgood, John L., Buffalo, N. Y. Milling machine. 1,796,663; Mar. 17.
Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,791,745; Feb. 10.
Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Traction mechanism. 1,792,114; Feb. 10.
Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,792,115; Feb. 10.
Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Lubricating device. 1,834,172; Dec. 1.
Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Hoist. 1,834,598; Dec. 1.
Osgood, Victor L. (See Crouse, G. B., and Osgood.)
Osgood, Victor L., New York, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 1,834,416; Dec. 1.
O'Shaughnessy, Clara M. (See Roark, Ernest O., assignor.)
O'Shaughnessy, James, Tuckahoe, N. Y. Writing implement. 1,810,983; June 23.
O'Shea, James J., Dallas, Tex. Laundry machine. 1,788,321; Jan. 6.
O'Shea, James J., Dallas, Tex. Laundry machine. 1,788,322; Jan. 6.
O'Shea, James J., Dallas, Tex. Shirt setting device. 1,833,909; Dec. 1.
Osinga, Thomas J., Chicago, Ill. Elevator door control. 1,807,006; May 26.
Osius, Conrad, Stettin, Germany. Holding means for glass. 1,793,127; Feb. 17.
Oskow, Louis, et al. (See Felshin, Judah B., assignor.)
Oskow, Louis, Brooklyn, assignor of one-half to M. Kirschstein, New York, N. Y. Television apparatus. 1,814,181; July 14.
Oskow, Louis, Brooklyn, assignor of one-half to M. Kirschstein, Brooklyn, N. Y. Wheeled toy. 1,823,663; Sept. 15.
Oslund, Charles H., Worcester, Mass., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Wiping device for labels. 1,790,594; Jan. 27.
Oslund, Charles H., Worcester, Mass., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Wiping rolls for labeling machines. 1,810,619; June 16.
Oslund, Charles H., and J. E. Johnson, assignor to The O & J Machine Company, Worcester, Mass. Label wiping device. 1,806,911; May 26.
Oslund, Charles H., Worcester, Mass., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Labeling machine. 1,830,289; Nov. 3.
Osman, Ralph T., Mansfield, Ohio. Dump body. 1,808,251; June 2.
Osman, Ralph T., Mansfield, Ohio. Frame mounting. 1,834,965; Dec. 8.
Osman, William B., Indianapolis, Ind. Loose leaf binder. 1,822,310; Sept. 8.
Osmer, James H., El Segundo, assignor to Standard Oil Company of California, San Francisco, Calif. Refining hydrocarbon oils with metallic halide. 1,811,243; June 23.
Osmon, Elmer A., Denver, Colo. Direction indicator. 1,814,331; July 14.
Osmundson, William H., Perry, Iowa. Cultivator shovel. 1,801,567; Apr. 21.
Osnos, Mendel, Berlin, Germany. Method and apparatus for measuring the active components of electric quantities. 1,809,062; June 9.
Osnos, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulation system. 1,792,756; Feb. 17.
Osnos, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Frequency multiplication. 1,829,419; Oct. 27.
Osolin, Alfred, Cleveland, Ohio. Sintering machine. 1,837,063; Dec. 15.
Ossanna, Johann, H. Graner, Munich, and F. Hofmann, Munich-Talkirchen, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Cascade connection for commutator machines. 1,822,369; Sept. 8.
Ossenbrunner, Armin. (See Hagedorn, M., and Ossenbrunner.)
Ossing, Fred, Cleveland, Ohio. Roller and key for printing presses. 1,803,069; Apr. 28.
Ost, Karl. (See Balle, G., Lange, and Ost.)
Ostburg, Ralph A., jr., Winchester, Mass. Practice keyboard. 1,815,579; July 21.
Ostenberg, Charles H. (See Fugle, C. H., Ostenberg, Maglein, Trudo, and Newton.)
Oster, Herman W., and G. D. Sleeth, assignors to The Oster Manufacturing Company, Cleveland, Ohio. Portable power-driven threading tool. 1,789,411; Jan. 20.
Oster, Herman W., and G. D. Sleeth, assignors to The Oster Manufacturing Company, Cleveland, Ohio. Portable power-driven tool. 1,789,412; Jan. 20.
Oster, John, assignor to John Oster Mfg. Company, Racine, Wis. Hand clipper. 1,803,345; May 5.
Oster, John, Mfg. Company. (See Oster, John, assignor.)
Oster Manufacturing Company, The. (See Hyde, Ralph E., assignor.)
Oster Manufacturing Company, The. (See Hyde, R. E., and Schappi, assignors.)
Oster Manufacturing Company, The. (See Oster, H. W., and Sleeth, assignors.)
Oster Manufacturing Company, The. (See Tewksbury, Russell B., assignor.)
Oster, Walter E., Chicago, Ill. Artificial fish bait. 1,820,759; Aug. 25.
Österberg, Karl E. R., assignor to J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag, Stockholm, Sweden. Sawing-machine frame. 1,794,350; Feb. 24.
Österberg, Karl E. R., assignor to J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag, Stockholm, Sweden. Sawing-machine frame. 1,794,351; Feb. 24.
Österberg, Karl E. R., assignor to J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag, Stockholm, Sweden. Sawing-machine frame. 1,794,352; Feb. 24.
Osterday, George A., Hamilton, assignor of one-half to E. Dome, Collinsville, Ohio. Composite roofing compound. 1,796,474; Mar. 17.
Ostergard, Alexander, New York, N. Y. Resilient foot rest. 1,837,064; Dec. 15.
Osterhage, Otto C. (See Zinkil, R. H., and Osterhage.)
Osterhage, Otto C., assignor to Crane Co., Chicago, Ill. Aerator for baths 1,830,853; Nov. 10.
Osterholm, William C., Oak Park, Ill., assignor to Wilcox Products Corporation, Detroit, Mich. Valve tappet and forming the same. 1,805,255; May 12.
Ostersetzer, Alfons, Klosterneuburg, and F. Riesenfeld, Vienna, Austria, assignors to Pollopas Limited, Nottingham, England. Making phenol aldehyde condensation products. 1,807,545; May 26.
Osterstrom, Rudolph C. (See Watson, C. B., and Osterstrom.)
Osterstrom, Rudolph C., assignor to The Pure Oil Company, Chicago, Ill. Decolorizing oils. 1,811,185; June 23.
Osterstrom, Rudolph C., and J. Hyman, and Cary R. Wagner, assignors to The Pure Oil Company, Chicago, Ill. Polymerizing hydrocarbon distillates. 1,789,413; Jan. 20.
Osterstrom, Rudolph C., Chicago, Ill., and R. T. Tucker, Muskogee, Okla., assignors to The Pure Oil Company, Chicago, Ill. Refining. 1,797,513; Mar. 24.
Osthoff, Walter, Barmen, Germany. Method of and apparatus for singeing textile fabrics. 1,807,703; June 2.
Ostlind, Oscar J., Marshfield, Oreg. Pressure operated valve. 1,826,088; Oct. 6.
Ostline, John E. (See Smith, S. R., and Ostline.)
Ostline, John E., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Kansas City, Mo. Telephone system. 1,796,804; Mar. 17.
Ostlund, John V., Newcastle, Ind. Drill holder. 1,789,830; Jan. 20.
Ostrak, Joseph, St. Louis, Mo. Electrical heat producing element. 1,809,565; June 9.
Ostrey, Joseph M., Los Angeles, Calif. Typewriter keyboard. 1,828,939; Oct. 27.
Ostrom, John N., Chicago, Ill. Tie spacer for railroad and like bridges. 1,838,784. Dec. 29.
Ostromislensky, Iwan, New York, assignor to L. A. Van Dyk, Yonkers, N. Y. Obtaining various polymerized vinyl chloride modifications. 1,791,009; Feb. 3.
Ostromislensky, Iwan, assignor to The Pyridium Corporation, New York, N. Y. Obtaining water soluble azo-dyes. 1,802,062; Apr. 21.
Ostromislensky, Iwan, assignor to The Pyridium Corporation, New York, N. Y. Obtaining phenyl-azo-alpha-alpha-diamino-pyridine hydrochlorides. 1,809,332; June 9.
Ostromislensky, Iwan, assignor to The Piridium Corporation, New York, N. Y. Obtaining an azo compound from phenyl-diazo-amino-alpha-monamino-pyridine. 1,820,483; Aug. 25.
Ostwald, William, assignor to Central Metallic Casket Co., Chicago, Ill. Burial casket. Des. 84,842; Aug. 11.
Ostwald, William, assignor to Central Metallic Casket Co., Chicago, Ill. Burial casket. Des. 84,843; Aug. 11.
Ostwald, William, assignor to Central Metallic Casket Co., Chicago, Ill. Burial casket. Des. 84,844; Aug. 11.
Oswald, Alfred E., Hackensack, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Electric motor. 1,799,925; Apr. 7.
Oswald, Alfred E., Hackensack, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,802,391; Apr. 28.
Oswald, Alfred E., Hackensack, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Electric motor. 1,821,071; Sept. 1.
Oswald, Alfred E., Hackensack, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Brush for electric motors. 1,826,478; Oct. 6.
Oswald, Alfred E., Hackensack, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Electric motor. 1,829,872; Nov. 3.

Oswald, André, Paris, France, assignor, by mesne assignments, to Keller-Dorian Colorfilm Corporation, New York, N. Y. Objective for color photography. 1,825,122; Sept. 29.
Oswald, Arthur A., and J. C. Schelleng, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Electric discharge apparatus. 1,830,210; Nov. 3.
Oswald, Jean, assignor to Etablissements Georges Koechlin, Belfort, France. Throstle frame for continuous spinning. 1,792,182; Feb. 10.
Oswald, Leopold, assignor to the firm J. R. Geigy S. A., Basel, Switzerland. Manufacture of mordant disazo dyestuffs. 1,822,784; Sept. 8.
Oswald, Robert C. (See Kreft, F. W., and Oswald.)
Oswald, William S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Keying punchings. 1.823,333; Sept. 15.
Oswego Board Corporation. (See Wiener, John A., assignor.)
Oswego Falls Corporation. (See Lodge, William C., assignor.)
Oswego Falls Corporation. (See Wright, Wilbur L., assignor.)
Oswego Falls Corporation. (See Wright, W. L., and Bond, assignors.)
Otaka, Yoshiro, Tokyo, Japan, assignor to General Electric Company. Automatic mount making machine for incandescent lamps and similar articles. 1,821,894; Sept. 1.
Othmer, Donald F. (See Clarke, H. T., and Othmer.)
Otis, Albert N., Schenectady, N. Y., assignor to General Electric Company. Electric steam generator. 1,818,861; Aug. 11.
Otis, Charles M., Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Casing doorlock. 1,815,724; July 21.
Otis Company, Inc. (See Stokes, Imogene D., assignor.)
Otis, Edward C., Parma, assignor to The Weaver Wall Company, Cleveland, Ohio. Apparatus for cutting sheet material. 1,831,422; Nov. 10.
Otis Elevator Company. (See Anderson, John N., assignor.)
Otis Elevator Company. (See Bjorkman, Axel W., assignor.)
Otis Elevator Company. (See Boedtcher, Franz A., assignor.)
Otis Elevator Company. (See Brady, Thomas, assignor.)
Otis Elevator Company. (See Davis, L. I., Larson, and E., assignors.)
Otis Elevator Company. (See Dunn, Edward L., assignor.)
Otis Elevator Company. (See Gies, John W., assignor.)
Otis Elevator Company. (See Hall, Harry E., assignor.)
Otis Elevator Company. (See Lautrup, G. W., and Crabbe, assignors.)
Otis Elevator Company. (See Lindquist, David L., assignor.)
Otis Elevator Company. (See Lindquist, D. L., and Crabbe, assignors.)
Otis Elevator Company. (See Lindquist, D. L., and Lewis, assignors.)
Otis Elevator Company. (See Lucas, William B., assignor.)
Otis Elevator Company. (See Marks, Alexander, assignor.)
Otis Elevator Company. (See Simmons, T. H. J., and Blackburne, assignors.)
Otis Elevator Company. (See Smith, Frank I., assignor.)
Otis Elevator Company. (See Werner, Herman C., assignor.)
Otis, Gerald E., assignor to The Herman Nelson Corporation, Moline, Ill. Heating and ventilating apparatus. Re18,109; June 23.
Otis, Gerald E., assignor to The Herman Nelson Corporation, Moline, Ill. Effective temperature control apparatus. 1.827,099; Oct. 13.
Otis, Herbert C., Shreveport, La. Well tubing snubber. 1,837,990; Dec. 22.
Otis, Russell M. (See Burns, B., Lewis, and Otis.)
Otis, Spencer, Barrington, assignor to The Locomotive Terminal Improvement Company, Chicago, Ill. Multiple-unit storage for boiler-washing apparatus. 1,793,508; Feb. 24.
Otis Steel Company, The. (See Bost, H. A., and Hummel, assignors.)
Otis Steel Company, The. (See Nisbet, George B., assignor.)
O'Toole, Edward, Gary, W. Va. Airplane and propeller. 1,789,252; Jan. 13.
O'Toole, Martin H., Everett, assignor to Boston Rubber Mat Company, Boston, Mass. Link mat and border. 1,804,027; May 5.
Otsuka, Kanichi, Uchisaiwai-Cho Kojimachi-Ku Tokyo, Japan. Steam finishing apparatus. 1,807,007; May 26.
Ott, Arthur W., Dubuque, Iowa. Manufacturing inner tubes for pneumatic tires. 1,818,349; Aug. 11.
Ott, Charles S., and J. R. Lewis, San Francisco, Calif., assignors of one-half to said Ott and one-half to M. E. Lewis. Machine for cleaning ham-boiling molds. 1,795,671; Mar. 10.
Ott, Conrad, assignor to Landis Tool Company, Waynesboro, Pa. Holding normally reciprocating spindles from reciprocating. 1,795,230; Mar. 3.
Ott, Harry G., Kenmore, assignor to Spencer Lens Company, Buffalo, N. Y. Microscope slide or counting chamber. 1,824,097; Sept. 22.
Ott, Harvey N., assignor to Spencer Lens Company, Buffalo, N. Y. Microtome. 1,797,694; Mar. 24.
Ott, Harvey N., assignor to Spencer Lens Company, Buffalo, N. Y. Objective mounting for microscopes. 1.817,642; Aug. 4.
Ott, John. (See Cadwell, W. H., and Ott.)
Ott, John E. (See MacChesney, C. M., and Ott.)
Ott, John E., assignor to Acme Steel Company, Chicago, Ill. Gripping dog. 1,809,566; June 9.
Ott, Karl, Leverkusen-on-the-Rhine, and H. Schuessler, Cologne-Deutz, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of cellulose. 1,806,703; May 26.
Ott, Percy O., Rockford, Ill., assignor to Racine Tool & Machine Company, Racine, Wis. Hydraulic pump. 1,819,689; Aug. 18.
Ott, Thomas O., assignor to Cen-Tennial Cotton Gin Co., Columbus, Ga. Yielding mounting for picker rolls. 1,834.862; Dec. 1.
Otte, Claus, Anaheim, Calif. Rope cinch. 1,835,516; Dec. 8.
Otte, Otho M., Tarentum, Pa. Tray-operating mechanism for compartments. 1,793,128; Feb. 17.
Otte, Otho M., Tarentum, Pa. Tray-operating mechanism for compartments. 1,793,955; Feb. 24.
Otte, Otho M., Tarentum, Pa. Refrigerator tray support. 1,828,435; Oct. 20.
Otte, Otho M., Tarentum, assignor to W. T. Pierce, Reading, Pa. Fastening means for doors. 1,815,580; July 21.
Otten, Lawrence F., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Extension device for wrist-watch straps. 1,796,341; Mar. 17.
Otten, Lawrence F., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Bracelet extension device. 1,825,156; Sept. 29.
Otten, Lawrence F., Fort Thomas, Ky., and G. D. Cullis, Evanston, Ill., assignors to The Wadsworth Watch Case Co., Dayton, Ky. Twin fold for bracelets. 1,791,037; Feb. 3.
Otten, Noah. (See Brass, F., Otten, and Toland.)
Ottenheimer, Reuben E., Baltimore, Md. Refrigerating apparatus. 1,819,568; Aug. 18.
Ottenheimer, Reuben E., Baltimore, Md. Refrigerating apparatus. 1,819,669; Aug. 18.
Ottenheimer, Reuben E., Baltimore, Md. Refrigerator. 1,836,614; Dec. 15.
Otterholt, Henry. (See Berry, Edwin D., assignor.)
Ottersland, Peter N. (See Valentine, C. W., and Ottersland.)
Ottevaere, Constant, Spokane, Wash. Fluid current motor. 1,809,180; June 9.
Ottinger, Leon, New York, N. Y. Door latch. 1,787,591; Jan. 6.
Ottinger, Leon, New York, N. Y. Operating means for automobile door latches and window regulators. 1,803,725; May 5.
Ottinger, Nathan, New York, N. Y. Folder or similar container constructed of flexible material. Des. 85,300; Oct. 6.
Otto, Carl, Essen-Ruhr, Germany. Vertical coke oven. 1,787,490; Jan. 6.
Otto, Carl, Essen-Ruhr, Germany. Coke oven. 1,798,129; Mar. 24.
Otto, Carl, Essen-Ruhr, Germany. Horizontal coke oven. 1,805,922; May 19.
Otto, Carl, Essen-Ruhr, Germany. Closure for coke oven chambers. 1,810,495; June 16.
Otto, Carl, Essen-on-the-Ruhr, Germany. Device for sealing coke oven closures. 1,823,121 Sept. 15.
Otto, Carl, Essen-Ruhr, Germany. Regenerative coke oven. 1,824,922; Sept. 29.
Otto, Carl, Essen-Ruhr, Germany. Coke oven door. 1,827,329; Oct. 13.
Otto, Carl, Essen-Ruhr, Germany. Vertical chamber coke oven. 1,829.608; Oct. 27.
Otto, Carl, Essen-Ruhr, Germany. Coke oven door. 1,830.958; Nov. 10.
Otto, Carl, Essen-Ruhr, Germany. Coke oven door. 1,833,494; Nov. 24.
Otto, Carl, Hellerup, Denmark. Vertical chamber oven. 1,827,328; Oct. 13.
Otto, Carl, Hellerup, Denmark, and C. W. Andrews, Duluth, Minn. Apparatus and process for producing coke and water gas in vertical chamber ovens. 1,809,421; June 9.
Otto, Carl, Pasadena, Calif. Cartridge magazine. 1,835,517; Dec. 8.
Otto, Carl A., assignor to Johnson Service Company, Milwaukee, Wis. Valve motor. 1,805,342; May 12.
Otto Food Machinery Company. (See Erl, Otto, assignor.)
Otto, Franz, Magdeburg, assignor of one-half to W. Küstermann, Culbe-on-the-Saale, Germany. Sewing machine attachment for sewing on buttons. 1,824,564; Sept. 22.
Otto, Karl R. (See Klemm, E. O., and Otto.)
Otto, Marius P. (See Crespi, E., and Otto.)
Otto, Marius P., Paris, France. Ozonizer. 1,796,214; Mar. 10.
Otto, Max C. (See King, W. S., and Otto.)
Otto, Michael. (See Hofmann, F., and Otto.)

Otto, Wilhelm, Berlin, Germany. Heating flue installation for baking ovens. 1,831,768; Nov. 10.
Otto, William F. (See Herschell, Walter G.)
Otwell, Ralph B., Detroit, Mich. Combined air heater and exhaust manifold for internal-combustion engines. 1,795,734; Mar. 10.
Otwell, Ralph B., Detroit, Mich. Heater for motor driven vehicles. 1,802,669; Apr. 28.
Otwell, Ralph B., Detroit, Mich. Combined heater and exhaust manifold. 1,803,436; May 5.
Otwell, Ralph B., Detroit, Mich. Heater for motor vehicles. 1,827,998; Oct. 20.
Otwell, Ralph B., assignor to Detroit Harvester Company, Detroit, Mich. Traction apparatus for agricultural implements. 1,790,595; Jan. 27.
Otwell, Walter E., Linn, Kans. Battery terminal. 1,822,744; Sept. 8.
Oulton, Charles B., Attleboro, Mass., assignor to Nifticraft Moulding Works, Inc. Bracelet. Des. 85,839; Dec. 22.
Oungst, Webb M., Fort Smith, Ark. Transferring device 1,818,862; Aug. 11.
Oursler, George. (See Oursler, James A., assignor.)
Oursler, James A., Steubenville, assignor of one-half to George Oursler, Cincinnati, Ohio. Retaining wall structure. 1,812,364; June 30.
Oursler, John S., Munhall, Pa. Sawing apparatus. 1,810,144; June 16.
Ouse, Knute M., Ambrose, N. Dak. Water trough. 1,797,996; Mar. 24.
Ouss, Andrew A., New York, N. Y. Filter press. 1,801,933; Apr. 21.
Outboard Motors Corporation. (See Evinrude, Ole, assignor.)
Outboard Motors Corporation. (See Hillborn, Herbert J., assignor.)
Outboard Motors Corporation. (See Irgens, Finn T., assignor.)
Outboard Motors Corporation. (See Irgens, F. T., and Baldus, assignors.)
Outing Manufacturing Company. (See Dewey, Clarence L., assignor.)
Outlet Industries Inc. (See Schutt, Emmett J., assignor.)
Out of the Inkwell Films, Inc. (See Fleischer, Max, assignor.)
Outterside, James W., Detroit, Mich. Attachment for auto fenders. 1,817,705; Aug. 4.
Ove., Edward N., Dike, Iowa. Double-acting pump. 1,811,557; June 23.
Oven, Frank J., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Spark-plug gasket. 1,789,594; Jan. 20.
Oven, Frank J., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Spark-plug gasket. 1,789,595; Jan. 20.
Oven, Frank J., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Spark-plug gasket. 1,789,770; Jan. 20.
Oven, Frank J., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,823,284; Sept. 15.
Oven, Frank J., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,828,471; Oct. 20.
Oven, Frank J., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Gasket. 1,838,496; Dec. 29.
Ovenhausen, Franz, Steinheim, Germany. Producing veneers. 1,807,251; May 26.
Ovens, James, Toronto, Ontario, Canada. Device for showing the names of the streets or stops. 1,794,729; Mar. 3.
Overacker, Horace E., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Modulating system and method. 1,800,471; Apr. 14.
Overall, Robert L., Auburntown, Tenn. Electric hack saw. 1,834,635; Dec. 1.
Overberg, Harry, Cincinnati, Ohio. Lure carrier. 1,814,490; July 14.
Overbury, Austin A., West Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Register. 1,792,391; Feb. 10.
Overbury, Frederick C. (See Kirschbraun, L., and Overbury).
Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Laminated roofing. 1,788,121; Jan. 6.
Overbury, Frederick C., Hillsdale, N. J., assignor to The Flintkote Company, Boston, Mass. Apparatus for mixing materials. 1,789,320; Jan. 20.
Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Method of and machine for making roofing elements of assorted colors. 1,791,571; Feb. 10.
Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Making thick butt shingle strips. 1,802,032; Apr. 21.
Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Roofing element. 1,834,966; Dec. 8.
Overbury, Frederick C., Hillsdale, N. J., and O. A. Heppes, La Grange, Ill., assignors, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Producing shingle strips. 1,834,004; Dec. 1.
Overhead Door Corporation. (See Blodgett, Herbert C., assignor.)
Overholtz, George D., Leetsdale, assignor to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Erection hanger. 1,788,842; Jan. 13.
Overholtz, George D., Fair Oaks, assignor to McClintic-Marshall Company, Pittsburgh, Pa. Outdoor advertising structure. 1,788,843; Jan. 13.
Overholtz, George D., Fair Oaks, assignor to McClintic-Marshall Company, Pittsburgh, Pa. Outdoor advertising structure. 1,792,701; Feb. 17.
Overland Candy Corporation. (See Leaf, Sol S., assignor.)
Overlander, Evarts W. (See Overlander, Rufus M., jr., and E. W.)
Overlander, Rufus M., jr., and E. W., New York, N. Y. Desk holder for watch movements. 1,799,926; Apr. 7.
Overly, Clarence B. (See Blaskewitz W. Overly, Lambert, and Ironside.)
Overman Cushion Tire Company. (See Nelson, Edward and G., assignors.)
Overman Cushion Tire Company. (See Schoff, A. L., and Nelson, assignors.)
Overmiller, Roy A., Sharon Hill, Pa. Railway switch. 1,825,415; Sept. 29.
Overmire, Charles C., Berkeley, Calif. Combined backing and reenforcing means for plaster and the like. 1,801,530; Apr. 21.
Overmyer Mould Company. (See Longnecker, M., and Elkins, assignors.)
Overpeck, Charles F., and F. M. Allen, Greensburg, Ind. Coin controlled gasoline pump. 1,829,534; Oct. 27.
Overstreet, Coleman, Hollywood, Calif. Sawblade for cutting meat and bone. 1,838,785; Dec. 29.
Overstreet, Malcolm D. (See Whitaker, H. M., and Overstreet.)
Overton, Antoinette E., Houston, Tex. Harmonica holder. 1,793,823; Feb. 24.
Overton, James W., assignor of one-half to S. D. Bell, Flint, Mich. Piston. 1,798,489; Mar. 31.
Overtoom, John N., Harvey, Ill. Mud shoe for auto tires. 1,831,542; Nov. 10.
Ovington, Earle L., Santa Barbara, Calif. Combined fountain pen holder and humidor. 1,837,991; Dec. 22.
Ow, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Selective braking for circuit interrupters. 1,836,985; Dec. 15.
Owe, Aage W., Oslo, Norway. Producing vitamine preparations. 1,805,593; May 19.
Oweger, Leo, and G. Schoettinger, assignors to The Multiple Valve and Manufacturing Company, Dayton, Ohio. Valve-operating device. 1,788,586; Jan. 13.
Owen, Ambrose L. (See Craft, Cecil C., assignor.)
Owen Automatic Spring Machinery Company, The. (See Bond, Alexander R., assignor.)
Owen Automatic Spring Machinery Company, The. (See Owen, David T., assignor.)
Owen, David T., assignor to The Owen Automatic Spring Machinery Company, Cleveland, Ohio. Spring mattress, etc. 1,789,154; Jan. 13.
Owen, David T., Cleveland Heights, assignor to The Owen Automatic Spring Machinery Company, Cleveland, Ohio, Spring structure. 1,797,787; Mar. 24.
Owen, Donald T. (See Scofield, T. J., and Owen.)
Owen, Frank M., assignor of one-half to American Iron and Machine Works Co., Oklahoma City, Okla. Bit or like vise. 1,806,912; May 26.
Owen, Frederick C., Fayetteville, N. C. Transformer for electric arc cutting and welding apparatus. 1,836,615; Dec. 15.
Owen, George W., Baltimore, Md. Filing device. 1,814,259; July 14.
Owen, Henry A., Foxboro, assignor to Davis & Furber Machine Company, North Andover, Mass. Threadboard-lifting mechanism for spinning frames. 1,796,390; Mar. 17.
Owen, Henry A., Foxboro, assignor to Davis & Furber Machine Company, North Andover, Mass. General drive for spinning frame. 1,796,391; Mar. 17.
Owen, Henry A., Foxboro, assignor to Davis & Furber Machine Company, North Andover, Mass. Spindle rail lifting mechanism. 1,824,788; Sept. 29.
Owen, Henry A., Foxborough, assignor to Davis & Furber Machine Company, North Andover, Mass. Bunch builder for spinning frames. 1,838,059; Dec. 22.
Owen, Henry A., Foxboro, and A. Ambye, Andover, assignors to Davis-Furber Machine Company, North Andover, Mass. Differential spindle-drum drive for spinning frames. 1,796,392; Mar. 17.
Owen, Hoy, Lufkin, Tex. Vibrating doffer for cotton gins. 1,795,794; Mar. 10.
Owen, Ira J., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweeper brush and pulley. 1,826,432; Oct. 6.
Owen, Ira J., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweeper. 1,830,443; Nov. 3.
Owen, John A., Alvin, Tex. Incinerator. 1,797,670; Mar. 24.
Owen, Thomas J., Akron, Ohio. Reinforced-concrete slab. 1,797,295; Mar. 24.
Owen, William. (See Fox, J. H., and Owen.)
Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for trimming glass sheets. 1,798,625; Mar. 31.

Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making composite glass. 1,806,861; May 26.
Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Severing composite glass. 1,806,862; May 26.
Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Machine for severing composite glass sheets and the like. 1,825,886; Oct. 6.
Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Glass tank construction. 1,825,887; Oct. 6.
Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making plate glass. 1,836,493; Dec. 15.
Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making plate glass. 1,836,494; Dec. 15.
Owen, William E., jr., Cedar Rapids, Iowa. Combination compass protractor and ruler. 1,808,705; June 2.
Owen, William H., London, England. Heat exchange apparatus. 1,812,249; June 30.
Owens, Cephis E., Detroit, Mich. Compressor for refrigeration apparatus. 1,826,479; Oct. 6.
Owens Development Corporation. (See Miller, John M., assignor.)
Owens Development Corporation. (See Owens, Freeman H., assignor.)
Owens, Edward A. (See Johnston, C. L., and Owens.)
Owens, Edward M., Dallas, Tex. Garbage incinerator. 1,803,206; Apr. 28.
Owens, Frank R., Beaver Crossing, Nebr. Safety device for aeroplanes. 1,823,758; Sept. 15.
Owens, Freeman H., New York, N. Y. Motion-picture device. 1,787,592; Jan. 6.
Owens, Freeman H., New York, N. Y. Optical printer. 1,789,112; Jan. 13.
Owens, Freeman H., New York, N. Y. Slit holder for sound cameras. 1,796,121; Mar. 10.
Owens, Freeman H., New York, N. Y. Optical printer. 1,801,450; Apr. 21.
Owens, Freeman H., New York, N. Y. Recording photographic sound records. 1,803,346; May 5.
Owens, Freeman H., New York, N. Y. Combined picture machine and elevating support therefor. 1,803,347; May 5.
Owens, Freeman H., New York, N. Y. Sound reproducing or recording apparatus. 1,803,403; May 5.
Owens, Freeman H., New York, N. Y. Motion picture film printing apparatus. 1,803,404; May 5.
Owens, Freeman H., New York, N. Y. Film gate. 1,808,252; June 2.
Owens, Freeman H., New York, N. Y. Talking cartoon motion picture. 1,809,599; June 9.
Owens, Freeman H., New York, N. Y. Sound shutter. 1,810,527; June 16.
Owens, Freeman H., New York, N. Y. Motion picture apparatus. 1,821,946; Sept. 8.
Owens, Freeman H., New York, N. Y. Recording photographic sound records. 1,822,057; Sept. 8.
Owens, Freeman H., New York, N. Y. Motion picture apparatus. 1,833,371; Nov. 24.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Sound-reproducing apparatus. 1,791,039; Feb. 3.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Photographic sound-reproducing apparatus. 1,793,956; Feb. 24.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Reproducing photographic sound records. 1,809,310; June 9.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Sound reproducing apparatus. 1,810,324; June 16.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Roller support for traveling films. 1,811,365; June 23.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Sound reproducing means. 1,812,303; June 30.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Talking picture vehicle. 1,813,542; July 7.
Owens, Freeman H., assignor to Owens Development Corporation. New York, N. Y. Continuous printer. 1,814,525; July 14.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Sound recording and reproducing apparatus. 1,815,481; July 21.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Sound recording and reproducing apparatus. 1,816,397; July 28.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Motion picture printing apparatus. 1,817,320; Aug. 4.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Sound reproducing apparatus. 1,818,502; Aug. 11.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Lens mount. 1,819,476; Aug. 18.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Focusing lens mount. 1,820,484; Aug. 25.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Apparatus for indicating printing light values. 1,821,399; Sept. 1.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Optical printer. 1,822,417; Sept. 8.
Owens, Freeman, H., assignor to Owens Development Corporation, New York, N. Y. Sound and picture film matching means. 1,824,294; Sept. 22.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Lamp-holder. 1,825,121; Sept. 29.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Apparatus and method for reproducing photographic sound records. 1,826,522; Oct. 6.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Film support for photographic apparatus. 1,827,206; Oct. 13.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Toy talking movie device. 1,828,199; Oct. 20.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Slit-forming device for photographic sound apparatus. 1,829,235; Oct. 27.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Camera. 1,830,239; Nov. 3.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Spring. 1,831,258; Nov. 10.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Photographic sound reproducing apparatus. 1,833,370; Nov. 24.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Intermittent film moving mechanism. 1,834,496; Dec. 1.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Multiple cell reproducing apparatus. 1,835,423; Dec. 8.
Owens, Freeman H., assignor to Owens Development Corporation, New York, N. Y. Projection printer. 1,836,038; Dec. 15.
Owens-Illinois Glass Company. (See Allen, Russell G., assignor.)
Owens-Illinois Glass Company. (See Benoit, Joseph P., assignor.)
Owens Illinois Glass Company. (See Brownlee, W. K., and Owens, assignors.)
Owens-Illinois Glass Company. (See Cramer, Albert N., assignor.)
Owens-Illinois Glass Company. (See Fuerst, Edwin W., assignor.)
Owens-Illinois Glass Company. (See Hoge, John R., assignor.)
Owens-Illinois Glass Company. (See Kadow, August, assignor.)
Owens-Illinois Glass Company. (See Kadow, A., and Smith, assignors.)
Owens-Illinois Glass Company. (See Kndow, A., and Bragg, assignors.)
Owens-Illinois Glass Company. (See Knepper, Shelby V., assignor.)
Owens-Illinois Glass Company. (See La France, Richard, assignor.)
Owens-Illinois Glass Company. (See McGovern, Byrne, assignor.)
Owens-Illinois Glass Company. (See McLaughlin, John E., assignor.)
Owens-Illinois Glass Company. (See Nagle, March E., assignor.)
Owens-Illinois Glass Company. (See Owens, Michael J., assignor.)
Owens-Illinois Glass Company. (See Robrich, Harold A., assignor.)
Owens-Illinois Glass Company. (See Rule, John F., assignor.)
Owens-Illinois Glass Company. (See Rule, J. F., and Soubier, assignors.)
Owens-Illinois Glass Company. (See Soubier, Leonard D., assignor.)
Owens-Illinois Glass Company. (See Treece, Jesse H., assignor.)
Owens, James A., El Paso, Ill. Emasculating device. 1,797,017; Mar. 17.
Owens, James W. (See Norton, H. F., and Owens.)
Owens, Jesse C., Los Angeles, Calif. Tank flushing valve. 1,794,640; Mar. 3.
Owens, John H., Racine, Wis. Pipe rest. 1,806,176; May 19.
Owens, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Cutout for series incandescent street lighting circuits and the like. 1,807,430; May 26.
Owens, Michael J. (See Brownlee, W. K., and Owens.)
Owens, Michael J., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Delivering charges of molten glass. 1,825,416; Sept. 29.
Owens, Percy R., Mount Kisco, assignor of twenty-five per cent to P. S. Haselton, Bayside, N. Y. Heat controlling system. 1,812,897; July 7.
Owens, Robert H., assignor to The P. H. & F. M. Roots Company, Connersville, Ind. Instrument. 1,815,161; July 21.

Owens, Robert H., Connersville, Ind., assignor, by mesne assignments, to International-Stacey Corporation, Columbus, Ohio. Fluid handling apparatus. 1,821,895; Sept. 1.
Owens, Robert H., Connersville, Ind., assignor, by mesne assignments, to International-Stacey Corporation, Columbus, Ohio. Fluid meter. 1,837,333; Dec. 22.
Owens, Robert S., Brooklyn, N. Y. Making bottle closure. 1,832,321; Nov. 17.
Ow-Eschingen, Max, Vienna, Austria, assignor, by mesne assignments, to Radio Patents Corporation, New York, N. Y. Dissolving cellulose esters and cellulose ethers. 1,794,066; Feb. 24.
Owl Fumigating Corporation. (See Eastman, Hal P., assignor.)
Owl Fumigating Corporation. (See Kilbourne, Kenneth A. assignor.)
Owname Products Corporation. (See Rosenstein, Sidney, assignor.)
Owsiak, Joseph, New Britain, Conn. Shade and curtain fixture. 1,817,460; Aug. 4.
Owsley, Herbert, et al., trustee. (See Patzkowski, E. C.)
Ox Fibre Brush Company. (See Carlson, Fritz O., assignor.)
Ox Fibre Brush Company. (See Lipps, William D., assignor.)
Oxenhandler, Morris, Brooklyn, N. Y. Rotary printing press. 1,796,692; Mar. 17.
Oxer, George C., New York, N. Y. Locating points of leakage in conduits. 1,825,280; Sept. 29.
Oxer, George C., Reading, Pa., assignor to Foster Wheeler Corporation, New York, N. Y. Drying. 1,834,497; Dec. 1.
Oxford Paper Company. (See Cable, Donald E., assignor.)
Oxford Varnish Corporation. (See Casto, L. V., and Lang, assignors.)
Oxford Varnish Corporation. (See Casto, L. V., and von Webern, assignors.)
Oxford Varnish Corporation. (See Hamant, E. W., and von Webern, assignors.)
Oxford Varnish Corporation. (See Lang, Edward P., assignor.)
Oxford Varnish Corporation. (See Lang, G. E., and Casto, assignors.)
Oxford Varnish Corporation. (See von Webern, Guido, assignor.)
Oxhandler, Leopold, Chicago, Ill. Flat and cushion for cellular fillers. 1,803,128; Apr. 28.
Oxolene Company, The. (See Gibson, J. F., and Strathearn, assignors.)
Oxweld Acetylene Company. (See Boley, Roy A., assignor.)
Oxweld Acetylene Company. (See Jones, Homer W., assignor.)
Oxweld Acetylene Company. (See Mandeville, John L., assignor.)
Oxweld Acetylene Company. (See Miller, Samuel W., assignor.)
Oxweld Railroad Service Company, The. (See Hasse, Frank C., assignor.)
Oxweld Railroad Service Company. (See Hasse, F. C., and Allison, assignors.)
Oxweld Railroad Service Company. (See Hunt, W. F., and Stelling, assignors.)
Oxzyn Company. (See Valentine, J. E., and Englander, assignors.)
Oya, John A., Honlulu, Hawaii. Seat and seat cover actuating mechanism for toilets. 1,821,027; Sept. 1.
Oyen, Elmer A., assignor to Addressograph Company, Chicago, Ill. Drawer for printing devices. 1,808,475; June 2.
Oyler, James F., Detroit, Mich. Pocketbook and holder therefor. 1,792,862; Feb. 17.
Oyster, Earl F., Shaker Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Conveyer. 1,792,601; Feb. 17.
Oyster, Earl F., Shaker Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Mold machine. 1,804,181; May 5.
Ozabal, Rudolph M. (See Thybony, N. W., and Ozabal.)
Ozon, Wallace W., Brookline, Mass. Sanitary brush guard. 1,834,726; Dec. 1.
Ozouf, Arthur E. (See Hiller, S., and Ozouf.)
Ozouf, Arthur E., assignor to The Allbright-Nell Company, Chicago, Ill. Apparatus for pressing and cooking meats. 1,804,227; May 5.
P.-H. Engineering Company, The. (See Price, Charles W., assignor.)
P. I. V. Chain Gears Limited. (See Abbott, Geoffrey J., assignor.)
P. L. & M. Company. (See Morgan, Harry J., assignor.)
P & M Company, The. (See Blair, Rolandis A., assignor.)
P & M Company, The. (See Moore, Philip W., assignor.)
P & M Company, The. (See Preston, Frederick A., assignor.)
P & M. Company, The. (See Shepherd, Charles B., assignor.)
P & M Company. (See Stephens, Henry, assignor.)
P & M Company, The. (See Warr, Harold G., assignor.)
P. & R. Tool Company. (See Lester, Nathan, assignor.)
Paas, Clemens L., Spring Lake, Mich. Preventing condensation on windshields or windows. 1,787,836; Jan. 6.
Paas Dye Company. (See Gibbens, Emma R., assignor.)
Paas Dye Company. (See Townley, Philip B. and W. R., assignors.)
Paasche, Jens A., Chicago, Ill. Spraying booth and the like. 1,788,956; Jan. 13.
Paasche, Jens A., Wilmette, Ill. System and apparatus for spraying. 1,806,365; May 19.
Paasche, Jens A., Wilmette, Ill. Explosionproof ventilating unit. 1,828,746; Oct. 27.
Paasche, Jens A., Wilmette, Ill. Hose coupling and the like. 1,836,986; Dec. 15.
Pabst, William E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Apparatus for removing commutators from armature shafts. 1,800,566; Apr. 14.
Paca, John P., assignor to Diebold Safe & Lock Company, Canton, Ohio. Vault door. 1,828,436; Oct. 20.
Pace, Alfred R., Keego Harbor, Mich. Ventilating device. 1,797,099; Mar. 17.
Pace, Canio, Coney Island, N. Y. Ice cream cutter. 1,806,704; May 26.
Pace, Linwood A., Shreveport, La. Screen. 1,825,538; Sept. 29.
Pace, Raymond W. (See Hunley, J. F., and Pace.)
Pacella, Michelangelo, Grays Lake, Ill. Composition of matter containing mercury. 1,822,709; Sept. 8.
Pacent Electric Company. (See Goudy, Carl F., assignor.)
Pacent Electric Company. (See Goudy, C. F., and Parker, assignors.)
Pacent Electric Company. (See Pacent, Louis G., assignor.)
Pacent Electric Company. (See Parker, Oliver B., assignor.)
Pacent, Louis G., Winfield, L. I., assignor to Pacent Electric Company, New York, N. Y. Voltage supply and power amplifier unit. 1,803,040; Apr. 28.
Pacher, Josef V., assignor to The International Postal Supply Company, Brooklyn, N. Y. Inker. 1,801,877; Apr. 21.
Pacific Clay Products. (See McClintock, William, assignor.)
Pacific Clay Products. (See McClintock, W., and Pearne, assignors.)
Pacific Clay Products. (See Saunders, William H., assignor.)
Pacific Coast Borax Company. (See Knight, Harold P., assignor.)
Pacific Coast Engineering Company. (See Plummer, Henry G., assignor.)
Pacific Copper and Brass Works, Incorporated. (See Travis, Bertram C., assignor.)
Pacific Fire Extinguisher Company. (See Mollard, Thomas A., assignor.)
Pacific Flush Tank Company. (See Beddoes, Hubert, assignor.)
Pacific Flush Tank Company. (See Cox, James W., assignor.)
Pacific Flush Tank Company. (See Miller, Samuel F., assignor.)
Pacific Lumber Company. (See Darling, Elton R., assignor.)
Pacific Lumber Company. (See Marx, C., and Darling, assignors.)
Pacific Machinery Company. (See Thompson, Albert R., assignor.)
Pacific Marine Supply Company. (See Himberger, Earl W., assignor.)
Pacific Mills. (See Eisenstadt, Abraham H., assignor.)
Pacific Mills. (See Walen, Ernest D., assignor.)
Pacific Oil Well Cementing Company. (See Barton, Sidney O., assignor.)
Pacific Portland Cement Company, Consolidated. (See Colton, James H., assignor.)
Pacific Pump Works. (See Bigelow, George E., assignor.)
Pacific Pump Works. (See Bigelow, G. E., and Weis, assignors.)
Pacific Pump Works. (See Weis, Arthur R., assignor.)
Pacific Safety Equipment Company. (See Bullard, Edward W., assignor.)
Pacific-Southwest Trust & Savings Bank, trustee. (See Curtis, Thomas S., assignor.)
Pacific Steel Boiler Corporation. (See Nelson, Ollie T., assignor.)
Pack Shops, Inc. (See Goss, Harry T., assignor.)
Pack, Thomas A., Albany, Calif. Portable clothes rack. 1,832,730; Nov. 17
Pack, Wehrli D., Salt Lake City, Utah, assignor to Utah Radio Products Company, Incorporated. Loud speaker. 1,807,168; May 26.
Pack, Wehrli D., Salt Lake City, Utah, assignor to Utah Radio Products Company, Incorporated. Sound propagating diaphragm. 1,807,225; May 26.
Package Machinery Company. (See Ferguson, Milford B., assignor.)
Package Machinery Company. (See Fuller, Frederic B., assignor.)
Package Machinery Co. (See Haas, Edward, assignor.)
Package Machinery Company. (See Langhammer, Paul, assignor.)
Package Machinery Company. (See Smith, Elmer L., assignor.)
Package Machinery Company. (See Smith, E. L., and Fuller, assignors.)
Package Machinery Co. (See Tindal, John R.)

Package Machinery Company. (See Vaughan, W., and Brown, assignors.)
Package Paper Company. (See Van Melle, André E., assignor.)
Packard, Calvin P. (See Macrae, J. N., and Packard.)
Packard, Edwin A. (See Runge, W., and Packard.)
Packard Electric Company, The. (See Mohr, Hubert C., assignor.)
Packard, Francis H., Boardman, Oreg. Parachute. 1,816,986; Aug. 4.
Packard, Granville F., Forest Hills, Pa. Display device. 1,800,099; Apr. 7.
Packard, Marlborough. (See Daw, J., Johnson, and Packard.)
Packard Motor Car Company. (See Baker, William H., assignor.)
Packard Motor Car Company. (See Brown, Robert N., assignor.)
Packard Motor Car Company. (See Christman, John M., assignor.)
Packard Motor Car Company. (See Edgar, Jacob F., assignor.)
Packard Motor Car Company. (See Elliott, Harry C., assignor.)
Packard Motor Car Company. (See Griswold, Walter R., assignor.)
Packard Motor Car Company. (See Hammerl, Jacob, assignor.)
Packard Motor Car Company. (See Knapp, Archer L., assignor.)
Packard Motor Car Company. (See Moorhouse, Alfred, assignor.)
Packard Motor Car Company. (See Paton, C. R., and Sligh, assignors.)
Packard Motor Car Company. (See Pleasance, Edwin, assignor.)
Packard Motor Car Company. (See Short, Charles R., assignor.)
Packard Motor Car Company. (See Summers, Caleb E., assignor.)
Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
Packard Motor Car Company. (See Weinhardt, Robert A., assignor.)
Packard Motor Car Company. (See Widmann, A., and Woolson, assignors.)
Packard Motor Car Company. (See Woolson, Lionel M., assignor.)
Packard, Roscoe M., Newton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Patterngrading machine. Re18,032; Apr. 7.
Packard, Walter F., Marlboro, assignor to Excel Taping Machine Co., Lynn, Mass. Shoe upper and method of manufacture. 1,815,446; July 21.
Packer, C. I., Tool & Die Company, The. (See Packer, Clifford I., assignor.)
Packer, Clifford I., assignor to The C. I. Packer Tool & Die Company, Meriden, Conn. Automatic polishing machine. 1,833,329; Nov. 24.
Packer, James M., Colorado Springs, Colo., assignor to F. O. Schoedinger, Columbus, Ohio. Radiant gas heater. 1,817,420; Aug. 4.
Packer, Lewis C., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company. Combined casing and dust bag receptacle for a vacuum cleaner. Des. 85,762; Dec. 15.
Packer, Mortimer L., assignor to F. O. Shoedinger, Columbus, Ohio. Gas heater. Des. 84,050; Apr. 28.
Packer, Mortimer L., assignor to F. O. Shoedinger, Columbus, Ohio. Gas heater. Des. 84,051; Apr. 23.
Packman, James. (See Heyworth, J., Packman, and Mold.)
Pacz, Aladar, Cleveland, Ohio. Coating and coloring metals. 1,798,218; Mar. 31.
Pacz, Aladar, East Cleveland, Ohio. Decreasing shrinkage in aluminum bronze castings. 1,838,632; Dec. 29.
Pacz, Aladar, Cleveland, Ohio. Coloring aluminum alloys. 1,838,633; Dec. 29.
Paddleford, Oliver M., Huntington Park, Calif. Pavement. 1,789,447; Jan. 20.
Paddock, Ralph J. (See Sohn, E., and Paddock.)
Paddor, William. (See Abt, Louis, assignor.)
Pade, Max H., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Apparatus for manipulating inner tubes. 1,828,153; Oct. 20.
Pade, Max H., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Manufacturing tires. 1,833,530; Nov. 24.
Padelford, Lester E., assignor to The Republic Metalware Company, Buffalo, N. Y. Method of toasting. 1,828,542; Oct. 20.
Paden City Glass Manufacturing Company. (See Fisher, David, assignor.)
Paden, William G., Rogers, Nebr. Cover for closable carriers. 1,796,475; Mar. 17.
Padgett, Claude R., Mount Carmel, Ill. Demountable rim. 1,800,100; Apr. 7.
Padleford, Lester E., assignor to The Republic Metalware Company, Buffalo, N. Y. Toasting device. 1,796,302; Mar. 17.
Paepcke, Walter P. (See Doane, Duane H., assignor.)
Paéz, Enrique D., jr., San Diego, Calif. Lifting jack. 1,806,413; May 19.
Paffrath, Ernest H., St. Louis, Mo. Sewer inlet. 1,810,572; June 16.
Pagaard, Ernest, Ross, Iowa. Wheel cleaner for tractors. 1,808,861; June 9.
Paganello, Nunzio, Brooklyn, N. Y. Mounting for dolls' eyes. 1,789,019; Jan. 13.
Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Knit article and knitting the same. 1,789,494; Jan. 20.
Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Machine for knitting spliced fabrics and knitting the same. 1,803,865; May 5.
Page, Albert E., Brooklyn, assignor to Scott and Williams, Incorporated, New York, N. Y. Transfer mechanism for circular knitting machines. 1,807,008; May 26.
Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Transfer ring for circular knitting machines. 1,807,431; May 26.
Page, Arthur A., Waterbury, Conn. Tubular brush. 1,838,958; Dec. 29.
Page, Charles B., Evanston, assignor, by mesne assignments, to The G. W. Dulany Trust, Chicago, Ill. Furnace. 1,806,114; May 19.
Page, Charles B., Evanston, assignor, by mesne assignments, to The G. W. Dulany Trust, Chicago, Ill. Steam power plant. 1,825,610; Dec. 8.
Page, Charles B., and W. D. Burton, Evanston, assignors, by mesne assignments, to The G. W. Dulany Trust, Chicago, Ill. Steam power plant. 1,819,619; Aug. 18.
Page, Charles B., Evanston, and A. C. Kalk, assignors, by mesne assignments, to The G. W. Dulany Trust, Chicago, Ill. Heater. 1,820,317; Aug. 25.
Page, Charles B., Evanston, and A. C. Kalk, assignors, by mesne assignments, to The G. W. Dulany Trust, Chicago, Ill. Water heater. 1,829,535; Oct. 27.
Page, Charles B., Evanston, and E. W. Redderson, assignors, by mesne assignments, to The G. W. Dulany Trust, Chicago, Ill. Boiler control system. 1,835,611; Dec. 8.
Page, Clarence C., Portland, Oreg. Candy wrapping machine. 1,807,045; May 26.
Page, Dwight C., assignor to The Heald Machine Company, Worcester, Mass. Apparatus for grinding. 1,816,090; July 28.
Page, Dwight C., assignor to The Heald Machine Company, Worcester, Mass. Workholding apparatus. 1,825,677; Oct. 6.
Page, Dwight C., and R. H. Jellicoe, assignors to The Heald Machine Company, Worcester, Mass. Chuck. 1,812,017; June 30.
Page, Frank A., San Francisco, Calif. Low-pressure boiler. 1,795,735; Mar. 10.
Page, Frank H., Waverly, Iowa. Sanitary floor structure. 1,797,671; Mar. 24.
Page, Frederick H., assignor to Handley Page Limited, London, England. Controlling aeroplanes. 1,800,746; Apr. 14.
Page, Frederick H., assignor to Handley Page Limited, London, England. Controlling aeroplanes. 1,837,132; Dec. 15.
Page, Handley, Limited. (See Page, Frederick H., assignor.)
Page, Harry S., Schenectady, N. Y., assignor to General Electric Company. Rotor for dynamo electric machines. 1,808,568; June 2.
Page, James B., New York, N. Y. Golf-practicing device. 1,790,762; Feb. 3.
Page, John W., Chicago, Ill. Excavating apparatus. 1,802,063; Apr. 21.
Page, John W., Chicago, Ill. Excavating shovel. 1,833,587; Nov. 24.
Page, John W., Chicago, Ill. Connecter. 1,836,867; Dec. 15.
Page McKenny Company, The. (See McKenny, V. S., and Crooke, assignors.)
Page, Ralph E. (See Lake, C. D., and Page.)
Page, Ralph E., Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Ribbon-shifting mechanism. 1,800,399; Apr. 14.
Page, Ralph E., Binghampton, assignor to The Tabulating Machine Company, Endicott, N. Y. Printing head reciprocator. 1,830,765; Nov. 10.
Page, Ralph E., Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Punch die. 1,835,424; Dec. 8.
Page, Robert R., New York, N. Y. Mute for stringed musical instrument. 1,809,311; June 9.
Page, Robert R., New York, N. Y. Tailpiece mute for stringed musical instruments. 1,817,461; Aug. 4.
Page, Roy. (See Hinton, Leroy E., assignor.)
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 84,202; May 19.
Page, Theodore M., Los Angeles, Calif. Pipe grip. 1,788,542; Jan. 13.
Page, Walter F. (See Smith, C. F., and Page.)
Page, William T., Edmonston, Md. Vaporizer. 1,836,868; Dec. 15.
Pagel, Ernest C., Chicago, assignor to Elgin Butter Tub Company, Elgin, Ill. Fastener for tub covers. 1,791,837; Feb. 10.
Pagel, Ernest C., assignor to Signode Steel Strapping Company, Chicago, Ill. Seal. 1,826,018; Oct. 6.
Pagel, John F., jr. (See Smith, C. E., and Pagel.)

Paget, Alan L., Schenectady, N. Y., assignor to General Electric Company. Vibration damping by impact. 1,833,754; Nov. 24.
Paget, Harold F., assignor to Haines Hosiery Mills Inc., Philadelphia, Pa. Automatic control for stitch regulating mechanisms of flat knitting machines. 1,822,169; Sept. 8.
Paget, Harry E., Chicago, Ill. Water heater. 1,820,318; Aug. 25.
Pagin, John B., assignor to The South Bend Bait Company, South Bend, Ind. Fish lure. 1,787,733; Jan. 6.
Pagliarul, Joseph N., Milwaukee, Wis. Wire-stitcher feed. 1,798,898; Mar. 31.
Pahlow, Fritz, Chicago, Ill. Vegetable cutter. 1,808,933; June 9.
Paidar, Emil J., Co. (See Emmert, John R., assignor.)
Paige, Arthur E., Philadelphia, assignor of one-half to W. H. Hallar, jr., Drexel Hill, and one-half to W. G. Uhlman, Philadelphia, Pa. Key envelope and making same. 1,797,199; Mar. 17.
Paige, Arthur E., Philadelphia, assignor to John Wood Manufacturing Company, Conshohocken, Pa. Heat exchange apparatus. 1,826,950; Oct. 13.
Paige, Arthur J., Detroit, Mich. Torque converter. 1,789,879; Jan. 20.
Paige, Paul F., Detroit, Mich., and G. H. Blood, Lynn, assignors to Forbes Lithograph Manufacturing Company, Boston, Mass. Display frame. 1,804,373; May 5.
Pailin, George, Manchester, England, assignor to General Electric Company. Switch operating mechanism. 1,816,789; July 28.
Paine, Arthur P., New York, N. Y., assignor to Mergenthaler Linotype Company. Slug casting mold. 1,830,617; Nov. 3.
Paine, Beaumont C., Glen Ellyn, Ill. Electrical outlet box. 1,828,064; Oct. 20.
Paine, Louis A., Toronton, Ontario, Canada, assignor, by mesne assignments, to The Lincoln Meter Company, Inc., Springfield, Ill. Thermal electric meter. 1,811,244; June 23.
Paine, Nathan. (See McGavic, Arthur, assignor.)
Paine, Robert C., Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 1,836,549; Dec. 15.
Paine, Wilbur V., East Hartford, assignor to The Spencer Turbine Company, Hartford, Conn. Filter for dust collectors. 1,813,896; July 7.
Painter, Robert K., assignor to Bitutect, Incorporated, Los Angeles, Calif. Method and apparatus for emulsifying asphalt. 1,793,957; Feb. 24.
Painter, Walter S., Middlebury, Conn., assignor to Pioneer Suspender Company, Philadelphia, Pa. Buckle. Des. 84,845; Aug. 11.
Pais, Alexander, Bucharest, Rumania. Heating device with heat accumulators. 1,817,394; Aug. 4.
Paisley, James A., assignor to The Valley Camp Coal Company, Cleveland, Ohio. Apparatus for loading mine cars. 1,818,427; Aug. 11.
Paisseau, Jean, Paris, France. Production of substance having a nacreous and chatoyant aspect. 1,806,863; May 26.
Paisseau, Jean, Paris, France. Obtainment of sheets of plastic material which are combined or backed. 1,808,372; June 2.
Paivinen, John, Chicago, Ill. Tire rim contracting tool. 1,802,182; Apr. 21.
Palace Poultry Car Company. (See Edgerton, Israel V., assignor.)
Paladino, Dominick, Brooklyn, N. Y. Garter. Des. 85,390; Oct. 20.
Palatini, Thomas, Belmar, N. J. Brick laying machine. 1,818,741; Aug. 11.
Palatini, Thomas, Belmar, N. J. Troweling machine. 1,828,576; Oct. 20.
Palazzo, Francesco C., Florence, Italy. Manufacturing of turpentine, pine oil, and rosin from woody materials rich in oleoresin. 1,792,392; Feb. 10.
Palda, Leo J., jr., Minot, N. Dak. Tuyère and supporting grate therefor. 1,800,747; Apr. 14.
Palenske, Frederick C., St. Joseph, and W. A. Robbins, Benton Harbor, Mich. Rubber stripping for doors or windows. 1,804,799; May 12.
Palich, Martin B., Houston, assignor of one-fourth to B. W. Brenneman, Dallas County, Tex. Siphon. 1,804,270; May 5.
Palinkos, Stephen J., Norwalk, Conn. Sweatband. 1,814,057; July 14.
Palladino, Joseph T., Waterbury, Conn. Adjustable shade roller bracket. 1,805,995; May 19.
Pallady, Harry A., Portland, Oreg. Coupling. 1,796,159; Mar. 10.
Pallemaerts, Frits A. F., and A. I. Lebrun, assignors to Union Chimique Belge, Societe Anonyme, Brussels, Belgium. Production of ammonium sulphate. 1,816,123; July 28.
Pallemaerts, Jules E., Stratford, London, England. Stereoscopic cinema projection screen. 1,806,864; May 26.
Palleson, Thomas, Scotia, Calif. Camera attachment. 1,813,314; July 7.
Pallone, Frank, Brooklyn, N. Y. Base for lamp or analogous articles. Des. 84,538; June 30.
Pallone, Frank, Brooklyn, N. Y. Lamp base or similar article. Des. 85,491; Nov. 3.
Palm, Albert, Frankfort-on-the-Main, assignor to Hartmann & Braun Aktiengesellschaft, Frankfort-on-the-Main, West, Germany. High-tension condenser. 1,797,878; Mar. 24.
Palm, Arthur C., assignor to Kennerson Manufacturing Co., San Francisco, Calif. Elevator door. 1,828,065; Oct. 20.
Palm, Frederick, Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Arc welding chill. 1,806,949; May 26.
Palm, George H. (See Chase, S., 4th, Palm, and Pfeiffer.)
Palm, John V. O., Cleveland Heights, Ohio. Thermostatic valve for automobiles. 1,811,366; June 23.
Palm, John V. O., and E. C. Knuth, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing alloy. 1,807,670; June 2.
Palm, Victor H., Butler, Pa. Internal-combustion engine. 1,799,927; Apr. 7.
Palmbush, Andrew H., Conrad, Mont. Detachable milk pail holder. 1,820,485; Aug. 25.
Palmbush, Andrew H., Conrad, Mont. Fruit picker. 1,825,601; Sept. 29.
Palme, Anton J., South Orange, N. J., assignor, by mesne assignments, to Eagle Pencil Company, New York, N. Y. Pencil sharpener. Des. 84,298; June 2.
Palme, Josef F., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Looper operating mechanism for sewing machines. 1,823,506; Sept. 15.
Palmer-Bee Company. (See Morgan, Horace H., assignor.)
Palmer, Brian C., New York, N. Y., assignor, by mesne assignments, to Ohmer Fare Register Company, Dayton, Ohio. Checking excessive dead mileage. 1,817,395; Aug. 4.
Palmer, Charles B., Van Nuys, Calif., and K. Kronborg, Middletown, assignors to The American Rolling Mill Company, Middletown, Ohio. Continuous pickling machine. 1,804 800; May 12.
Palmer, Charles G., Irvington, N. J. Ice cream scoop. 1,826,818; Oct. 13.
Palmer, Charles L. (See Carroll, Andrew L., assignor.)
Palmer, Charles R., and C. P. Mitchell, Cincinnati, assignors to The Palmer Company, St. Bernard, Ohio. Thermometer. 1,819,919; Aug. 18.
Palmer, Charles S., Evanston, Ill., assignor, by mesne assignments, to Parke, Davis & Company, Detroit, Mich. Aliphatic arseno compounds. 1,794,119; Feb. 24.
Palmer, Charles W. (See Briggs, J. F., Palmer, and Kidd.)
Palmer, Charles W., and S. M. Fulton, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of threads, fabrics, or other materials composed of or containing artificial filaments. 1,808,061; June 2.
Palmer, Clyde C., Concordia, Kans. Dockage collecting and separating device. 1,813,948; July 14.
Palmer, Company, The. (See Palmer, C. R., and Mitchell, assignors.)
Palmer, Daniel D., Davenport, Iowa. Sign. Des. 83,877; Apr. 7.
Palmer, Eddie A., et al. (See Dixon, Bedford S., assignor.)
Palmer Electric & Manufacturing Co., The. (See Johansson, Ernest G., assignor.)
Palmer, Ernest E., Toronto, Ontario, Canada, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper handling machine. 1,802,775; Apr. 28.
Palmer, Frank R., assignor to The Carpenter Steel Company, Reading, Pa. Antifriction corrosion-resisting steel. 1,835,960; Dec. 8.
Palmer, George E., Cedar Rapids, Iowa. Clamp. 1,811,518; June 23.
Palmer, Harold B., San Diego, Calif. Automobile transmission and ignition lock. 1,787,758; Jan. 6.
Palmer, Harold B., San Diego, Calif. Automobile steering column and ignition lock. 1,819,259; Aug. 18.
Palmer, Harry A., Dorchester, assignor to Palmer Inventions, Inc., Boston, Mass. Power-transmitting mechanism. 1,798,104; Mar. 24.
Palmer, Harry A., Dorchester, assignor to Palmer Inventions, Inc., Boston, Mass. Piston. 1,798,105; Mar. 24.
Palmer, Harry A., Dorchester, assignor to Palmer Inventions, Inc., Boston, Mass. Internal combustion engine. 1,832,575; Nov. 17.
Palmer, Henry W. S., Birchington-on-Sea, England. Crate. 1,790,997; Feb. 3.
Palmer, Henry W. S., Gerrards Cross, England. Packing sealed container containing milk or other substances. 1,809,600; June 9.
Palmer, Henry K., Los Angeles, Calif., assignors to Daylectric System Ltd. Illuminated sign. 1,824,620; Sept. 22.
Palmer Inventions, Inc. (See Palmer, Harry A., assignor.)
Palmer, Isaac C., Pittsburgh, Pa. Sewer catch basin unit. 1,830,713; Nov. 3.
Palmer, Isaac C., Pittsburgh, Pa. Sewer catch basin unit. 1,830,714; Nov. 3.
Palmer, Ivan A., Herrin, Ill. Marker for athletic fields. 1,792,441; Feb. 10.
Palmer, James O. B., El Paso, Tex. Cotton picking machine. 1,836,128; Dec. 15.
Palmer, John, San Francisco, Calif. Holder for neon tubes and the like. 1,822,980; Sept. 15.
Palmer, John A., assignor to Columbian Rope Company, Auburn, N. Y. Indentifying means for ropes. 1,807,131; May 26.

Palmer, John A., assignor to Columbian Rope Company, Auburn, N. Y. Cordage yarn and producing same. 1,814,958; July 14.
Palmer, John C., Edgewater, Colo. Poultry feeder. 1,812,166; June 30.
Palmer, John F., Akron, Ohio. Fibrous sheet. 1,803,129; Apr. 28.
Palmer, John F., Milwaukee, Wis. Dispensing faucet. 1,819,381; Aug. 18.
Palmer, John F., assignor to Palmer Products, Inc., Waukesha, Wis. Dispenser. 1,819,382; Aug. 18.
Palmer, Loy J., Emporia, Kans. Decorative device. 1,832,576; Nov. 17.
Palmer Products, Inc. (See Palmer, John F., assignor.)
Palmer, Ralph M., assignor to Ferro-Ni-Corporation, New York, N. Y. Method and apparatus for introducing rust-proofing solution. 1,832,047; Nov. 17.
Palmer, Robert C., Pensacola, Fla. Revivifying adsorbent material. 1,794,539; Mar. 3.
Palmer, Robert C., Pensacola, Fla., assignor to The Newport Company, Carrollville, Wis. Treating decolorizing agents. 1,794,537; Mar. 3.
Palmer, Robert C., Pensacola, Fla., assignor to The Newport Company, Carrollville, Wis. Purifying and decolorizing rosin. 1,810,222; June 16.
Palmer, Robert C., and J. L. Burda, Pensacola, Fla. Revivifying spent adsorbent materials. 1,794,538; Mar. 3.
Palmer, Robert C., J. L. Burda, and A. F. Oliver, Pensacola, Fla. Purifying rosin. 1,807,599; June 2.
Palmer, Robert C., Pensacola, Fla., and C. O. Henke, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. Purifying and decolorizing rosins. 1,791,633; Feb. 10.
Palmer, Wallace G. (See Stover, W. A., and Palmer.)
Palmer, Wayne F., Holyoke, Mass. Torch cutting device. 1,804,271; May 5.
Palmer, Wayne F., Holyoke, Mass. Trackway. 1,804,272; May 5.
Palmgren, Nils G., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Selector testing circuit. 1,816,790; July 28.
Palmgren, Per G., Gottenborg, Sweden. Rolling mill guide. 1,804,947; May 12.
Palmgren, Per G., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Pressure distributing means for bearings. 1,814,734; July 14.
Palmgren, Per G., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Rolling mill guide. 1,814,735; July 14.
Palmgren, Per G., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Rolling mill guide. 1,814,736; July 14.
Palmgren, Per G., assignor to Aktiebolaget Svenska Kullagerfabrieken, Goteborg, Sweden. Device for handling bar material in rolling mills. 1,833,330; Nov. 24.
Palmore, Frederick F., El Reno, assignor of one-half to D. C. Roberts, jr., Rush Springs, Okla. Key ring hook. 1,834,863; Dec. 1.
Palmquist, Max J., Chicago, Ill. Aircraft controlling means. 1,836,681; Dec. 15.
Palson, William C., Manchester, assignor of one-half to A. C. Walworth, Newton, Mass. Skating rink floor. 1,810,926; June 23.
Palueff, Konstantin K., Pittsfield, Mass., assignor to General Electric Company. Condenser. 1,790,718; Feb. 3.
Palumbo, Pete, Weirton, W. Va. Electric water heater. 1,837,992; Dec. 22.
Pan, Li. (See Fink, C. G., and Pan.)
Panabaker, Neal, Coeur D'Alene, Idaho. Lumber marker. 1,804,801; May 12.
Pancake, Herman H., Huntington, W. Va., assignor to American Car and Foundry Company, New York, N. Y. Drop bottom mine car. 1,827,399; Oct. 13.
Panchick, Matthew, Detroit, Mich. Acetylene gas generator. 1,803,207; Apr. 28.
Panchot, Frederick W., and Harry H., Los Angeles, Calif. Visible label holder. 1,817,396; Aug. 4.
Panchot, Harry H. (See Panchot, Frederick W. and H. H.)
Pando, Adolfo F., La Plata, Argentina. Air filter for internal combustion engines. 1,817,265; Aug. 4.
Panelon Underwear Company. (See Andrews, John G., assignor.)
Pangborn Corporation. (See Dorfan, Morton I., assignor.)
Pangborn Corporation. (See Hull, Foster J., assignor.)
Pangburn, H. T., et al. (See Williams, French B., assignor.)
Panhandle Refining Company. (See Sims, W. F., and Cloer, assignors.)
Panhorst, Paul. (See Schwarz, C., and Panhorst.)
Panitzsch, Martin, Forest Park, Ill. Woodwork protector. 1,817,928; Aug. 11.
Pannerot, Fred M., Hyde Park, Mass. Ash tray. Des. 84,846; Aug. 11.
Pannier Brothers Stamp Company. (See Pannier, William J., jr., assignor.)
Pannier Brothers Stamp Company. (See Pannier, W. J., jr., and O. M., assignors.)
Pannier, Oscar M. (See Pannier, William J., jr., and O. M.)
Pannier, William J., jr., assignor to Pannier Brothers Stamp Company, Pittsburgh, Pa. Metallic tag strip. 1,815,632; July 21.
Pannier, William J., jr., assignor to Pannier Brothers Stamp Company, Pittsburgh, Pa. Stamp. 1,828,230; Oct. 20.
Pannier, William J., jr., Bellevue, and O. M. Pannier, Kilbuck Township, Allegheny County, assignors to Pannier Brothers Stamp Company, Pittsburgh, Pa. Embossing machine. 1,789,831; Jan. 20.
Pannier, William J., jr., Bellevue, and O. M. Pannier, Kilbuck Township, Allegheny County, assignors to Pannier Brothers Stamp Company, Pittsburgh, Pa. Hammer stamp. 1,789,832; Jan. 20.
Pannier, William J., jr., Bellevue, and O. M. Pannier, Kilbuck Township, Allegheny County, assignors to Pannier Brothers Stamp Company, Pittsburgh, Pa. Hammer stamp. 1,789,833; Jan. 20.
Pannier, William J., jr., Bellevue, and O. M. Pannier, Kilbuck Township, Allegheny County, assignors to Pannier Brothers Stamp Company, Pittsburgh, Pa. Hammer stamp. 1,793,224; Feb. 17.
Pannier, William J., jr., Bellevue, and O. M. Pannier, Kilbuck Township, Allegheny County, assignors to Pannier Brothers Stamp Company, Pittsburgh, Pa. Embossing machine. 1,820,760; Aug. 25.
Panoff, Vincent, Neuilly-Plaisance, France, assignor to General Electric Company. Shaft support. 1,833,755; Nov. 24.
Panopulo, George, assignor to Pinaud Incorporated, New York, N. Y. Bottle. Des. 83,641; Mar. 10.
Pan-Ross Laboratories, Inc. (See Parsons, J., and Stover, assignors.)
Pansegrau, Ernst, Krefeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of oxygenated organic compounds. 1,815,985; July 28.
Pantelakis, Tonys., Logan, W. Va. Automatic cut-off for gas stoves. 1,816,791; July 28.
Panther Rubber Manufacturing Company. (See Crossman, H., Greenbaum, and Bernstein, assignors.)
Pantone Corporation. (See Trist, Arthur R., assignor.)
Pantosote Leather Company. (See Harvey, R., and Day, assignors.)
Panyard, George V., Muskegon, Mich. Piston packing. 1,827,903; Oct. 20.
Panzireff, Nicolas K., Moscow, Union of Socialist Soviet Republics. Chain. 1,809,145; June 9.
Paoletti, Santo, et al. (See Pisani, Guilio, assignor.)
Paolini, Carlo. (See Carughi, A., and Paoloni.)
Paolini, Ugo, Milan, Italy, assignor of one-half to Attilio Calimani and one-half to Giulio Moneta. Apparatus for preparing infusions, particularly for preparing coffee. 1,797,672; Mar. 24.
Paonessa, Joseph. (See Dennert, E. C., and St. Bernard, assignors.)
Papapetrou, Nicholas, Chicago, Ill. Advertising folder. Des. 85,197; Sept. 22.
Pape, James C., New York, N. Sole for a woman's shoe. Des. 84,591; July 7.
Papec Machine Company. (See Bullock, Fred J., assignor.)
Paper Machinery Corporation. (See Hinkson, Adelbert M., assignor.)
Paper Maker's Chemical Corporation. (See Dreshfield, Arthur C., assignor.)
Paper Mill Laboratories, Inc. (See Wells, Sidney D., assignor.)
Paper Novelty Corporation, et al. (See Bouchard, Louis O., assignor.)
Paper Patents Company. (See Swanson, W. H., and Lang, assignors.)
Paper Patents Company. (See Thompson, Oscar T., assignor.)
Paper Service Company, The. (See Kemp, William C., assignor.)
Paper Service Company, The. (See Rowe, William W., assignor.)
Paper & Textile Machinery Company, The. (See Burden, Harry C., assignor.)
Paper & Textile Machinery Company, The. (See Farnsworth, Hiland R., assignor.)
Paper & Textile Machinery Co., The. (See Mielke, Paul H., assignor.)
Paper & Textile Machinery Company, The. (See Millspaugh, William H., assignor.)
Papeteries Navarre. (See Thiriet, André, assignor.)
Papeteries Navarre. (See Veyron, Eugène M., assignor.)
Papke, Paul E., Chicago, Ill. Airplane. Des. 85,198; Sept. 22.
Papotto, Frank. (See Bongiovanni, A., and Papotto.)
Papouchis, Christ, Far Rockaway, N. Y. Game apparatus. 1,823,507; Sept. 15.
Pappadakes, Gust, Bronx, N. Y. Aeroplane. 1,814,846; July 14.
Pappadis, Archie, Norfolk, Va. Chewing gum and making the same. 1,807,704; June 2.
Pappas, Chris D., Shawmut, Mont. Trap. 1,798,382; Mar. 31.
Pappas, George H., Baltimore, Md. Tire protector. 1,812,710; June 30.
Pappas, Peter, and T. P., Webster City, Iowa. Bumper system for trucks and automobiles. 1,807,132; May 26.
Paproth, Johannes, Berlin-Wilmersdorf, Germany. Level indicator for liquid tanks. 1,802,670; Apr. 28.
Papst, Hermann, St. Georgen, Schwarzwald, Germany. Rotor for asynchronous alternating current motors. 1,810,056; June 16.

Papst, Hermann, St. Georgen, Schwarzwald, Germany. Fitting and winding coils on pole armatures or field magnets. 1,838,150; Dec. 29.
Papworth, Walter A. (See Nelson, J. C., and Papworth.)
Papworth, William V. et al. (See Stanaway, William E., assignor.)
Paque, Edward J., assignor to The Pollak Steel Company, Cincinnati, Ohio. Protective cap for metallic fence posts. 1,798,753; Mar. 31.
Paque, Edward J., assignor to The Pollak Steel Company, Cincinnati, Ohio. Fence-post clamp. 1,798,754; Mar. 31.
Paquette, Cyril D., assignor to Kurth & Knapp Mfg. Co., Detroit, Mich. Conveyor safety device. 1,806,913; May 26.
Paquette, Eugene, Willimansett, Mass. Fire extinguisher. 1,804,228; May 5.
Paquin, Max. (See Leopold, R., and Paquin.)
Paquin, Max., et al. (See Risse, F., Wohlers, and Paquin.)
Paquit, Vital, New York, N. Y. Radio receiving apparatus. 1,819,477; Aug. 18.
Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Coupling key. 1,816,492; July 28.
Paradise, Louis A., assignor to Deere and Company, Moline, Ill. Apparatus for cleaning air. 1,818,742; Aug. 11.
Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Chain link. 1,834,173; Dec. 1.
Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Threshing machine. 1,835,327; Dec. 8.
Paradise, Louis A., and E. F. Huddle, assignors to Deere & Company, Moline, Ill. Thrashing machine. 1,808,785; June 9.
Paradise, Louis A., and W. J. Coultas, assignors to Deere & Company, Moline, Ill. Corn picker. 1,830,332; Nov. 3.
Paradise, William F., Atchison, Kans. Making, freezing and hardening ice cream and apparatus therefor. 1,822,170; Sept. 8.
Paradisier Parfumerie. (See Blymyer, Raymond L., assignor.)
Paraffine Companies, The. (See Finley, Dozier, assignor.)
Paragon Vaporizer Corporation. (See Brush, Frederick F., assignor.)
Paramount Aircraft Corporation. (See Carr, Walter J., assignor.)
Paramount Carburetor Corporation. (See Hofbauer, Caspar, assignor.)
Paramount Carburetor Corporation. (See Hofbauer, Caspar E., assignor.)
Paramount Fire Alarm Engineering Company, The. (See Carver, Leo A., assignor.)
Paramount Fire Alarm Engineering Company, The. (See Sackman, Charles M., assignor.)
Paramount Oil Burners, Inc. (See Ohlsson, Charles J., assignor.)
Paramount Publix Corporation. (See Barkelew, James T., assignor.)
Paramount Publix Corporation. (See del Riccio, Lorenzo, assignor.)
Paramount Publix Corporation. (See Flora, Rolla T., assignor.)
Paramount Publix Corporation. (See Garbutt, Frank E., assignor.)
Paramount Publix Corporation. (See La Grande, Frank, assignor.)
Paramount-Publix Corporation. (See Pomeroy, Roy J., assignor.)
Paramount Publix Corporation. (See Townsend, Ralph H., assignor.)
Paramount Publix Corporation. (See Waller, Fred, assignor.)
Paramount Textile Machinery Co. (See Kudela, Caroline, assignor.)
Paramount Textile Machinery Company. (See La Montague, Patrick P., assignor.)
Paramount Textile Machinery Co. (See Prosser, Thomas W., assignor.)
Paramount Textile Machinery Co. (See Prosser, T. W., and Wahlbeck, assignors.)
Paratex Corporation, The. (See Robertson, J. B. and G., assignors.)
Parcheu, Vincent P., assignor of one-half to A. H. Kolker, Chicago, Ill. Combined money band and article holder. 1,806,818; May 26.
Parco Specialty Company. (See Eaton, Horace M., assignor.)
Parco Specialty Co. (See Evans, Harold A., assignor.)
Parco Specialty Co. (See Preble, George L., assignor.)
Pardee, C. Works, The. (See Ziegler, R. M., Pardee, and Warden, assignors.)
Pardee, Frank, jr. (See Pardee, Frank and F., jr.)
Pardee, Frank, assignor to Anthracite Separator Company, Hazleton, Pa. Method and apparatus for hydraulically separating materials. 1,825,157; Sept. 29.
Pardee, Frank and F., jr., assignors to Anthracite Separator Company, Hazleton, Pa. Car-loading chute. 1,788,202; Jan. 6.
Pardee, George A., Omaha, Nebr. Air valve for nursing bottles and nipples. 1,827,100; Oct. 13.
Pardee, Harvey S., Ravinia, assignor to J. R. Blackhall, Chicago, Ill. Control system. Re18,033; Apr. 7.
Pardee, Howard J., New York, N. Y. Treatment of iron ores. 1,832,731; Nov. 17.
Pardee, Lloyd W., Lakewood, assignor to The Scott and Fetzer Company, Cleveland, Ohio. Suction cleaner. 1,806,177; May 19.
Pardo, Oscar G., and S. D. Fernandez, Habana, Cuba. Centrifugal separator. 1,804,108; May 5.
Parducci, Gustavo, Atco, N. J. Building structure. Des. 85,391; Oct. 20.
Pardue, George P., and C. Holbrook, Calexico, Calif. Cotton chopper. 1,820,153; Aug. 25.
Parfumerie Rigaud, Inc. (See Kendall, William G., assignor.)
Paridy, Charles, Belleville, Ill. Pneumatic tire. 1,813,758; July 7.
Parients de la Cruz, Agustin, Madrid, Spain. Carburetor. 1,809,677; June 9.
Paris, Fred H., Alton, Ill., assignor to Standard Oil Company, Whiting, Ind. Tank car washer. 1,831,029; Nov. 10.
Paris, Hugh P., Oakland, Calif. Portable material receiving means. 1,806,644; May 26.
Paris, Hugh P., Oakland, and A. Knowles, San Francisco, Calif. Apparatus for distributing and spreading concrete and like materials. 1,837,580; Dec. 22.
Paris, Louis. (See Yablow, H., and Paris.)
Paris, William. (See Peterson, A., and Paris.)
Parisette, Paula G., Newark, N. J. Dress holder. 1,831,822; Nov. 17.
Parish, Richard L., assignor to American Flange & Manufacturing Company, Chicago, Ill. Container and sealing means therefor. 1,799,244; Apr. 7.
Parisian Novelty Co. (See Komorous, Joseph, assignor.)
Parizek, Frank, Chicago, Ill. Leak-prevention device for vents. 1,798,350; Mar. 31.
Park, Bruce E., Nichols, and C. M. Park, Waverly, N. Y. Attachment for portable drills. 1,797,361; Mar. 24.
Park, Charles M. (See Cowles, Theodore B., assignor.)
Park, Charles M. (See Cowles, T. B., and Park.)
Park, Curtis M. (See Park, Bruce E. and C. M.)
Park, James R., Norton-on-Tees, England, assignor to Imperial Chemical Industries Ltd. Purification of synthetic alcohols. 1,833,331; Nov. 24.
Park, L. K., et al. (See Lanaux, Alfred A., assignor.)
Park, Linn K., Houston, Tex. Power unit. 1,825,087; Sept. 29.
Park, Robert H., Scotia, N. Y., assignor to General Electric Company. Electrical impulse generator. 1,802,183; Apr. 21.
Park, Robert L., Darden, Tenn. Bean harvester. Re18,183; Sept. 8.
Park, Robert L., Darden, Tenn. Bean harvester. 1,828,437; Oct. 20.
Parke, Davis & Co. (See Colton, Arthur, assignor.)
Parke Davis & Company. (See Goewey, Harold W., assignor.)
Parke, Davis & Company. (See Palmer, Charles S., assignor.)
Parke, Davis & Company. (See Thrasher, Edward C., assignor.)
Parke, Davis Company. (See Wilkie, W., and Leverenz, assignors.)
Parke, Eunice D., executrix. (See Parke, Frederic H.)
Parke, Frederic H., deceased, late of Edgewood, Pa., Eunice D. Parke, executrix, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Loading and unloading means for fluid compressors. 1,793,633; Feb. 24.
Parker, Alexander, Hamilton, assignor to Folders Limited, Auckland, New Zealand. Machine for perforating sheets of paper and fastening the same together. 1,800,101; Apr. 7.
Parker, Arthur H. (See Sebell, Harry, assignor.)
Parker, Arthur L., Cleveland, Ohio. Flaring tool for shaping pipe ends. 1,835,179; Dec. 8.
Parker, Berton L., Sioux Falls, S. Dak. Fishing rod holder. 1,831,190; Nov. 10.
Parker, Charles, assignor to The Locke Steel Chain Company, Bridgeport, Conn. Chain making machine. 1,810,724; June 16.
Parker, Charles F., San Francisco, Calif. Racing track. 1,798,554; Mar. 31.
Parker, Charles K., Richmond, and F. A. Bent, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Revivifying used decolorizing materials. 1,806,020; May 19.
Parker, Charles W., Omaha, Nebr. Air directing and ignition electrode support for oil burners. 1,813,080; July 7.
Parker, Clara B., executrix. (See Parker, George D.)
Parker, Cyrus J., deceased, Portland, Oreg.; M. E. Parker, executrix, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Tuyère. 1,829,055; Oct. 27.
Parker, Donald, Fresno, Calif. Car cooling apparatus. 1,833,034; Nov. 24.
Parker, Edwin A., Baltimore, Md. Decorating rolled metal. 1,802,033; Apr. 21.
Parker, Eugene A., and Roy Cutsinger, Morrilton, Ark. Nonsinkable boat. 1,819,570; Aug. 18.
Parker, Francis F., Los Gatos, assignor of one-half to R. G. Fowler, San Jose, Calif. Aeroplane. 1,828,981; Oct. 27.
Parker, Frederick W., Gerlach, Nev. Safety gear shift. 1,804,109; May 5.
Parker, George D., Riverside, Calif., deceased, Clara B. Parker, executrix. Stop mechanism for box nailing machines. 1,818,646; Aug. 11.

Parker, Guy E. (See Seaholm, E. W., Parker, and Stahlhuth.)
Parker, Guy E., and A. H. Stahlhuth, Detroit, Mich., assignors to Bendix Brake Company, Chicago, Ill. Brake-shoe pivot. 1,789,448; Jan. 20.
Parker, Guy E., and A. H. Stahlhuth, Detroit, Mich., assignors, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Brake. 1,831,191; Nov. 10.
Parker, Guy E., and A. H. Stahlhuth, Detroit, Mich., assignors to Bendix Brake Company, Chicago, Ill. Brake applying device. 1,838,864; Dec. 29.
Parker, Harry T., Oakland, Calif., assignor to The Stanley Works. Mortising machine. 1,837,831; Dec. 22.
Parker, Henry C., assignor to Leeds & Northrup Company, Philadelphia, Pa. Control method and apparatus. 1,830,333; Nov. 3.
Parker, Herbert L., Braintree, Mass. Shock-absorbing load supports. 1,803,130; Apr. 28.
Parker, Howard. (See Sleeper, Charles W., Meglitz, and Parker.)
Parker, Howard, assignor to Brown Company, Berlin, N. H. Expansible chuck. 1,790,833; Feb. 3.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Laying groups of multiple conduit. 1,795,884; Mar. 10.
Parker, Howard, Berlin, N. H., assignor to Brown Company, Berlin, N. H. Multiple conduit. 1,798,167; Mar. 31.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Multiple conduit and spacing element therefor. 1,801,451; Apr. 21.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Multiple conduit and spacing supports therefor. 1,804,478; May 12.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Field threading and squaring machine. 1,811,893; June 30.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Field pointing machine. 1,811,894; June 30.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Elbow lathe. 1,813,419; July 7.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Multiple conduit. 1,818,922; Aug. 11.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Multiple conduit. 1,821,234; Sept. 1.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Method of and apparatus for paper making. 1,833,910; Dec. 1.
Parker, Howard, assignor to Brown Company, Berlin, N. H. Tension device. 1,836,084; Dec. 15.
Parker, Jack F., Codsall, assignor to Low Temperature Carbonisation Limited, London, England. Closure mechanism for retort doors. 1,827,800; Oct. 20.
Parker, James W., Washtenaw County, S. Crocker, Mount Clemens, and J. H. Walker, Detroit, Mich. 1,792,757; Feb. 17.
Parker, John E., San Mateo, Calif. Ice-cream freezer. 1,798,219; Mar. 31.
Parker, John H. (See Kautzman, J. W., and Parker.)
Parker, John N., Fort Dodge, Iowa, assignor to United States Gypsum Company, Chicago, Ill. Expansion coupling for screw conveyers. 1,829,453; Oct. 27.
Parker, John W. (See Parkhurst, Malcolm K., and Parker, assignors.)
Parker, John W., Detroit, Mich. Grinding wheel trimming fixture. 1,826,219; Oct. 6.
Parker, John W., West Barrington, assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Inside caliper. 1,789,020; Jan. 13.
Parker, John W., Barrington, assignor to Brown & Sharpe Mfg. Co., Providence, R. I. Measuring machine micrometer. 1,803,283; Apr. 28.
Parker, John W., Barrington, assignor to Brown & Sharpe Mfg. Co., Providence, R. I. Measuring machine. 1,835,807; Dec. 8.
Parker, Kenneth S., assignor to The Parker Pen Company, Janesville, Wis. Filling mechanism for fountain pens. 1,793,824; Feb. 24.
Parker, Kenneth S., assignor to The Parker Pen Company, Janesville, Wis. Adjustable feed for fountain pens. 1,818,743; Aug. 11.
Parker, Kenneth S., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 1,819,383; Aug. 18.
Parker, Kenneth S., assignor to The Parker Pen Company, Janesville, Wis. Filling mechanism for fountain pens. 1,821,477; Sept. 1.
Parker, Lee T., West Orange, N. J., assignor to American Telephone and Telegraph Company. Reeling device. 1,827,855; Oct. 20.
Parker, Leslie O., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Signal lamp. 1,802,392; Apr. 28.
Parker, Leslie O., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Signal lamp. 1,826,220; Oct. 6.
Parker, Leslie O., assignor to Delco-Remy Corporation, Anderson, Ind. Signal device. 1,835,239; Dec. 8.
Parker, Lionel D., Barrow-in-Furness, assignor to Vickers-Armstrongs Limited, London, England. Cooling apparatus for pulverulent or granular material. 1,789,021; Jan. 13.
Parker, Lionel D., Barrow-in-Furness, assignor to Vickers Limited, London, England. Rotary kiln for burning cement ore, and similar materials. 1,791,282; Feb. 3.
Parker, Lloyd A., Long Beach, assignor to J. Grant, Los Angeles, Calif. Circulating head. 1,827,257; Oct. 13.
Parker, Louisa. et al. (See Bennett, Roze E., assignor.)
Parker, Lucian E., assignor to The Ohio Match Company, Wadsworth, Ohio. Transfer mechanism for book-match machines. 1,789,253; Jan. 13.
Parker, Lucian E. assignor to The Ohio Match Company, Wadsworth, Ohio. Transfer mechanism for book match machines. 1,809,353; June 9.
Parker, Mary E., executrix. (See Parker, Cyrus J., assignor.)
Parker, Mary G. (See Allen, G. N., and Parker.)
Parker, Mary G. (See Allen, G. N., Parker, and Ressegger.)
Parker, McRae, Cleveland, Ohio. Supplying fluid under pressure. 1,792,027; Feb. 10.
Parker, Morgan, New York, N. Y. Manufacture of detachable blades. 1,814,182; July 14.
Parker, Morgan, New York, N. Y. Scissors. 1,814,959; July 14.
Parker, Oliver B. (See Goudy, C. F., and Parker.)
Parker, Oliver B., Brooklyn, assignor to Pacent Electric Company, Inc., New York, N. Y. Electromagnetic reproducer. 1,795,263; Mar. 3.
Parker, Oliver B., Brooklyn, assignor to Pacent Electric Company, Inc., New York, N. Y. Pickup. 1,804,364; May 5.
Parker Pen Company, The. (See Guyot, Walter, assignor.)
Parker Pen Company, The. (See McLaughlin, Donald A., assignor.)
Parker Pen Company, The. (See Moore, William E., assignor.)
Parker Pen Company, The. (See Parker, Kenneth S., assignor.)
Parker, Ralzemond D., Brooklyn, N. Y., assignor to American Telephone & Telegraph Company. Communicating system. 1,805,594; May 19.
Parker, Ralzemond D., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Telegraph reading machine. 1,815,986; July 28.
Parker, Ralzemond D., Brooklyn, N. Y., and F. H. Best, Westfield, N. J., assignors to American Telephone and Telegraph Company. Recording apparatus. 1,820,088; Aug. 25.
Parker, Richard B., Skaneateles, assignor to Samuel E. Darby, trustee, New York, N. Y. Grate construction. 1,818,744; Aug. 11.
Parker, Richard B., Skaneateles, assignor to S. E. Darby, trustee, New York, N. Y. Retort construction, 1,822,541; Sept. 8.
Parker, Riley H., North Eastham, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,822,903; Sept. 15.
Parker Rust-Proof Company. (See Darsey, Van M., assignor.)
Parker, Thomas J., assignor of one-half to W. McGuineas, Chicago, Ill. Measuring valve. 1,808,062; June 2.
Parker, Thomas J., assignor of one-half to W. McGuineas, Chicago, Ill. Internal combustion engine. 1,814,333; July 14.
Parker, W. C. (See Andrews, E. W., and Anderson, assignors.)
Parker, Walter H., and F. W. Delanoy, Rochester, Pa., assignor, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Liquid dispensing apparatus. 1,816,609; July 28.
Parker, Warren H., assignor of one-half to A. Jorski, Oakland, Calif. Internal combustion engine. 1,808,146; June 2.
Parker, Wilbur E., Everett, Mass. Rolling window screen for automobiles. 1,806,495; May 19.
Parker, William, jr., Ben Avon, Pa. Shirt. 1,827,605; Oct. 13.
Parker, William S., assignor to Burson Knitting Company, Rockford, Ill. Knitted fabric. Des. 83,344; Feb. 17.
Parker, William S., assignor to Burson Knitting Company, Rockford, Ill. Knitted fabric. Des. 83,345; Feb. 17.
Parker, William S., assignor to Burson Knitting Company, Rockford, Ill. Knitted fabric. Des. 84,433; June 16.
Parker, William S., assignor to Burson Knitting Company, Rockford, Ill. Knitted fabric. Des. 84,434; June 16.
Parker, William S., assignor to Burson Knitting Company, Rockford, Ill. Fashioned heel and method of knitting. 1,798,804; Mar. 31.
Parker, William S., assignor to Burson Knitting Company Rockford, Ill. Pattern mechanism for straight knitting machines. 1,809,063; June 9.
Parker, William S., assignor to Burson Knitting Company, Rockford, Ill. Pattern mechanism for straight knitting machines. 1,835,518; Dec. 8.
Parker Wire Goods Company. (See Nester, Howard W., assignor.)
Parker Wire Goods Company. (See Priest, Edward D., assignor.)
Parker Wire Goods Company. (See Ribb, Carl H., assignor.)
Parkersburg Rig & Reel Company. (See Eustice, William, assignor.)
Parkersburg Rig and Reel Company, The. (See Moran, Harry F., assignor.)
Parkersburg Rig and Reel Company, The. (See Schwemlein, William, assignor.)

Parkerton, Clarence E., New Milford, assignor to W. C. Mercier, Danbury, Conn. Hat stretching machine. 1,836,278; Dec. 15.
Parkes, Bertrand A., Philadelphia, Pa. Pole for drying machines. 1,801,452; Apr. 21.
Parkes, Deric W., West Bromwich, assignor of one-half to H. W. Robinson, Birmingham, England. Separation of ortho-dihydroxybenzene bodies. 1,821,815; Sept. 1.
Parkes, Duane A., Detroit, Mich. Window shade bracket-fixture. 1,810,676; June 16.
Parkes, William N., Brooklyn, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Bobbin-thread pull-off for lock-stitch machines. 1,792,237; Feb. 10.
Parkes, William N., Brooklyn, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Bobbin-retaining devices for sewing-machine loop-takers. 1,792,238; Feb. 10.
Parkes, William N., Brooklyn, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine loop-taker mechanism. 1,809,391; June 9.
Parkhurst, John G., Tacoma, Wash. Casing for electric water heaters. 1,833,791; Nov. 24.
Parkhurst, Malcolm K., New York, N. Y., assignor to Brown & Sharpe Mfg. Co., Providence, R. I. Optical measuring device. 1,794,340; Feb. 24.
Parkhurst, Malcolm K., New York, N. Y., assignor to Brown & Sharpe Mfg. Co., Providence, R. I. Optical measuring device. 1,794,341; Feb. 24.
Parkhurst, Malcolm K., New York, N. Y., and J. W. Parker, Barrington, assignors to Brown & Sharpe Mfg. Co., Providence, R. I. Measuring gauge. 1,803,284; Apr. 28.
Parkin, Winfred T. (See Wilson, R. W., and Parkin, assignors.)
Parkin, Winfred T., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Vanity case. 1,814,737; July 14.
Parkinson Heater Corporation. (See Parkinson, John J., assignor.)
Parkinson, John J., assignor to Parkinson Heater Corporation, Chicago, Ill. Heating device. 1,834,070; Dec. 1.
Parks, Claude C. (See Wilcox, Vincey A., assignor.)
Parks-Cramer Company. (See Hodge, William B., assignor.)
Parks-Cramer Company. (See Karlson, Alfred F., assignor.)
Parks, Daniel R., Boonton, N. J. Molded knob. 1,795,280; Mar. 3.
Parks, Dennis, St. Louis, Mo. Leather-grading machine 1,788,029; Jan. 6.
Parks, Dennis, St. Louis, Mo. Method of and machine for building heels. 1,799,117; Mar. 31.
Parks, Ostrander J., River Forest, assignor to General American Tank Car Corporation, Chicago, Ill. Outlet valve mechanism. 1,810,620; June 16.
Parks, Ostrander J., River Forest, assignor to General American Tank Car Corporation, Chicago, Ill. Valve mechanism. 1,810,621; June 16.
Parks, Walter, Denver, Colo., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Steam trap. 1,794,918; Mar. 3.
Parks, Walter, Denver, Colo., assignor to Vapor Car Heating Company, Chicago, Ill. Vapor regulator. 1,794,919; Mar. 3.
Parks, William, Frazeysburg, Ohio. Latch. 1,797,362; Mar. 24.
Parks & Woolson Machine Company. (See Richardson, Charles G., assignor.)
Parkyn, W. B. (See Andresen, George, assignor.)
Parliament, Walter, Hazel, S. Dak. Flax separator. 1,791,245; Feb. 3.
Parlini, Alexander C., Woodside, assignor to Gotham Knitbac Machine Corporation, New York, N. Y. Machine for repairing knitted fabrics. 1,818,745; Aug. 11.
Parlini, Alexander C., Woodside, assignor to Gotham Knitbac Machine Corporation, New York, N. Y. Making needle latches. 1,818,746; Aug. 11.
Parlini, Alexander C., Woodside, assignor to Gotham Knitbac Machine Corporation, New York, N. Y. Machine for repairing knitted fabrics. 1,818,747; Aug. 11.
Parlini, Alexander C., Woodside, New York, assignor to Gotham Knitbac Machine Corporation, New York, N. Y. Feed roll for run repair machines and the like. 1,819,478; Aug. 18.
Parlini, Alexander C., Woodside, assignor to Gotham Knitbac Machine Corporation, New York, N. Y. Knitting needle. 1,824,445; Sept. 22.
Parmelee, Alfred E. (See Calcott, W. S., and Parmelee.)
Parmele, Gilbert H. (See Wollitz, Ernest A., assignor.)
Parmele, Walter B., Minneapolis, Minn. Display device. 1,791,533; Feb. 10.
Parmele, William R., Portland, Oreg. Wing construction for aeroplanes. 1,803,915; May 5.
Parmeter, Floyd S., Los Angeles, Calif. Electric table lamp. Des. 84,539; June 30.
Parnell, Fred, Medicine Hat, Alberta, Canada. Candy machine. 1,814,008; July 14.
Parolini, César, Le Vesinet, France. Device for making luminous projections in broad daylight or in a lighted room. 1,791,573; Feb. 10.
Paroubek, Anton J., and D. McMillan, Alhambra, Calif.; said McMillan assignor to said Paroubek. Socket for miniature electric lamps. 1,790,483; Jan. 27.
Parr, George T., St. Paul, Minn. Ice-cream disher. 1,798,490; Mar. 31.
Parr, George T., St. Paul, Minn., assignor to Maryland Baking Company, Inc., Baltimore, Md. Edible ice cream container. 1,835,719; Dec. 8.
Parr, Samuel W., and T. E. Layng, assignors to Urbana Coke Corporation, Urbana, Ill. Apparatus for coking coal. 1,827,483; Oct. 13.
Parr, Samuel W., and T. E. Layng, assignors to Urbana Coke Corporation, Urbana, Ill. Apparatus for coking coal. 1,827,484; Oct. 13.
Parran, Alice N., Baltimore, Md. Paper cup or cupholder handle. 1,795,615; Mar. 10.
Parrella, Joseph A., Washington, D. C. Key pouch. 1,811,327; June 23.
Parrett, Arthur N., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rubber-coated fabric and making it. 1,818,575; Aug. 11.
Parrett, Arthur N., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rubber coated fabric and making it. 1,818,576; Aug. 11.
Parrett, Arthur N., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated fabric and preparing same. 1,833,471; Nov. 24.
Parrill, Easton E., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,812,167; June 30.
Parrill, Easton E., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Train indicating apparatus. 1,814,406; July 14.
Parris, Ben T., Cave Spring, Ga., assignor of one-fourth to J. C. Davenport and one-fourth to W. N. Crawford, Washington, D. C. Advertising apparatus. 1,811,818; June 23.
Parrish, Benjamin E., Fort Worth, Tex. Swab for well-drilling apparatus. 1,788,738; Jan. 13.
Parrish, Benjamin E., San Luis Potosi, and F. Baquet, Tamps, Mexico. Nonplugging coupling for rotary drills. 1,793,958; Feb. 24.
Parrish, James I., Indianapolis, Ind. Indicator. 1,813,420; July 7.
Parrish, James R., Nashville, Tenn. Attachment for draftmen's ink bottles. 1,817,835; Aug. 4.
Parrish, Kassie S., Parish, Fla. Orchard heater. 1,791,223; Feb. 3.
Parrish, Robert B., et al. (See Parrish, Washington B., assignor.)
Parrish, Washington B., Kenbridge, assignor of one-half to R. B. Parrish, Nassawadox, and one-half to T. W. Fowlkes, Victoria, Va. Log lifter and holder. 1,829,490; Oct. 27.
Parrott Dry Process Street Cleaner Company. (See Allen, Ernest J., assignor.)
Parrott, Robert D. (See Harrall, E. R., and Parrott.)
Parr-Ross Laboratories, Inc. (See Parson, John, assignor.)
Parry, Joseph M., Weobley, England. Ladder. 1,814,960; July 14.
Parry, Robert A., Belmont, assignor to Boston Brick Company, Cambridge, Mass. Brick making machine. 1,814,227; July 14.
Parry, Robert D. (See Lane, F. J., and Parry.)
Parry, Robert R., Forest Hills, N. Y. Drinking-glass-washing apparatus. 1,789,321; Jan. 20.
Parry, William H., Malden, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,821,072; Sept. 1.
Parry, William H., sr., assignor to Simmons Company, Kenosha, Wis. Side rail lock for bedsteads and the like. 1,827,330; Oct. 13.
Parsell, Mason R., Baltimore, Md. Apparatus for eliminating foam from milk and other liquids. 1,818,962; Aug. 11.
Parshall, Dallas D. (See Loranger, H. R., and Parshall.)
Parshall, Harry R., Chicago, Ill. Sound reproducer. 1,834,498; Dec. 1.
Parson, Charles E. (See McMaster, A. J., and Parson.)
Parson, Fred A., J. B. Armitage, Milwaukee, and E. J. Kearney, Wauwatosa, assignors to Kearney-Trecker Corporation, West Allis, Wis. Machine-tool organization. 1,801,686; Apr. 21.
Parson, Samuel H., Brooklyn, N. Y. Smoking pipe. 1,790,675; Feb. 3.
Parsons, Ben G., assignor to Hurricane Motor Company, Houston, Tex. Propeller spinner for aircraft engines. 1,812,831; June 30.
Parsons, Carl B., Detroit, Mich. Loading block. 1,819,967; Aug. 18.
Parsons, Charles A., Newcastle-on-Tyne, England, and E. H. B. Anderson, New York, N. Y.; said Anderson, assignor to said Parsons. Elastic fluid turbine. 1,806,645; May 26.
Parsons, Charles A., and F. Arkless, Newcastle-on-Tyne, England; said Arkless assignor to said Parsons. Surface condenser. 1,790,834; Feb. 3.
Parsons, Charles A., S. S. Cook, and L. M. Douglas, Newcastle-on-Tyne, England; said Cook and Douglas assignors to said Parsons. Power-transmission device. 1,795,795; Mar. 10.
Parsons, Charles A., J. Rosen, and W. D. Horsley, Newcastle-on-Tyne, England; said Rosen and said Horsley assignors to said Parsons. Electrical conductor. 1,799,021; Mar. 31.
Parsons, Clinton H., assignor to Swift & Company, Chicago, Ill. Food product and method of making. 1,824,496; Sept. 22.
Parsons Company, The. (See Vaughn, George A., assignor.)

Parsons, E. W. (See Galemmo, Joseph, assignor.)
Parsons, Edward R. (See Griffin, E. V., Marriner, and Parsons.)
Parsons, Edward T., Upper Montclair, N. J., assignor to Thomson Machine Company. Loaf molder feeding device. 1,801,286; Apr. 21.
Parsons, Ernest P., deceased; W. M. Baldwin, administrator, assignor to The Parsons & Parsons Company, Cleveland, Ohio. Celluloid collar. 1,788,802; Jan. 13.
Parsons, Ethel, New York, N. Y., assignor to The Stearns & Foster Company, Lockland, Ohio. Textile fabric. Des. 83,274; Feb. 10.
Parsons, Ethel, New York, N. Y., assignor to The Stearns & Foster Company, Lockland, Ohio. Textile fabric. Des. 83,275; Feb. 10.
Parsons, Fred A., Milwaukee, Wis. Furniture shoe. 1,824,923; Sept. 29.
Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Transmission and control mechanism for milling machines. 1,791,534; Feb. 10.
Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine transmission. 1,818,089; Aug. 11.
Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine slide. 1,835,328; Dec. 8.
Parsons, Frederick W., Elmira, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Clearance valve assembly. 1,804,892; May 12.
Parsons, Harry N., Chicago, Ill., assignor to Marlin-Rockwell Corporation. Ball bearing. 1,804,110; May 5.
Parsons, James A., Dayton, Ohio, assignor to The Duriron Company, Inc. Making silicon iron compounds. 1,819,479; Aug. 18.
Parsons, James B., and J. J. King, Indiana, Pa. Golf course marker. 1,807,089; May 26.
Parsons, John, Montclair, N. J., assignor to Parr-Ross Laboratories, Inc., New York, N. Y. Self lighting cigarette and ignition band therefor. 1,815,162; July 21.
Parsons, John, Newton Center, Mass., and J. H. Stover, Nutley, N. J., assignors to Pan-Ross Laboratories, Inc., New York, N. Y. Igniting composition. 1,826,819; Oct. 13.
Parsons, John A., and L. H. Hartmann, Bainbridge, N. Y. Percussion drill. 1,835,180; Dec. 8.
Parsons, John F., assignor of one-half to A. B. Graham, South San Gabriel, Calif. Single-slide dining table. 1,788,778; Jan. 13.
Parsons, Joseph L., assignor of one-half to Joseph W. Graham, Shelton, Wash. Golf register. 1,798,983; Mar. 31.
Parsons & Parsons Company, The. (See Parsons, Ernest P., assignor.)
Parsons, Philip D. (See Rhoads, R. E., and Parsons.)
Parsons, Philip D., Swarthmore, Pa., assignor to Scott Paper Company. Toilet paper dispensing device. 1,815,068; July 21.
Parsons, Philip D., Swarthmore, Pa., assignor to Scott Paper Company. Registering device. 1,825,281; Sept. 29.
Parsons, Philip D., Swarthmore, Pa., assignor to Scott Paper Company. Dispensing cabinet. 1,827,904; Oct. 20.
Parsons, Philip D., Swarthmore, Pa., assignor to Scott Paper Company. Core structure for paper rolls. 1,839,047; Dec. 29.
Parsons, Richard D., assignor to The J. G. Brill Company, Philadelphia, Pa. Grounding device for trackless trolleys. 1,835,895; Dec. 8.
Parsons, Robert J., Schenectady, assignor to Consolidated Car Heating Company, Inc., Albany, N. Y. Heater porcelain. 1,806,115; May 19.
Parsons, Robert J., Schenectady, assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Electric door-motor. 1,838,959; Dec. 29.
Parsons, Sylvanus H. H., Coscob, Conn. Outboard propeller drive. 1,801,781; Apr. 21.
Partin, Albert, Portales, N. Mex. Motor suspension spring means. 1,811,961; June 30.
Partlow, Alfred, Lincoln Park, Mich., assignor to Vorclone Corporation, Milwaukee, Wis. Washing machine casing. 1,802,393; Apr. 28.
Partlow, Alfred, Lincoln Park, Mich., assignor, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y. Locking mechanism for extractor covers. 1,824,565; Sept. 22.
Partlow, Howard W., Utica, N. Y. Governor for gas burning heaters. 1,823,122; Sept. 15.
Partridge, Stewart W., Grand Island, Nebr. Banana protector. 1,838,702; Dec. 29.
Parvin, Edward G., Roselle, N. J., assignor to National Pneumatic Company, New York, N. Y. Electric engine device for safety doors. 1,793,716; Feb. 24.
Pascal, Charles, Montreal, Quebec, Canada. Rail joint. 1,810,622; June 16.
Pascal, Joseph I., New York, N. Y. Optical-examination apparatus. 1,791,010; Feb. 3.
Pascale, Pasquale, New York, N. Y., assignor to Dri-Steam Valve Corporation. Locomotive valve. 1,822,171; Sept. 8.
Pascarella, Anthony J., West Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit maker and breaker. 1,823,664; Sept. 15.
Paschali, Jacques C., Chicago, Ill., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,812,898; July 7.
Paschell, Anthon H., Cherokee, Iowa. Price tag holder. 1,837,288; Dec. 22.
Paschen, Paul, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,834,134; Dec. 1.
Pascoe, Alfred H., Los Angeles, Calif. Making reenforced drill pipe casings. 1,827,437; Oct. 13.
Pascoe, William H., Chicago, Ill. Oil burner. 1,818,748; Aug. 11.
Pascucci, Attilio R., Providence, R. I., assignor to Haverhill Shoe Novelty Company, Haverhill, Mass. Shoe ornament. Des. 83,003; Jan. 6.
Pascucci, Attilio R., Providence, R. I., assignor to Haverhill Shoe Novelty Company, Haverhill, Mass. Shoe buckle. Des. 83,004; Jan. 6.
Pasini, Jerome, New York, N. Y. Display sign. 1,812,979; July 7.
Pasinski, Walter J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 1,808,934; June 9.
Pasinski, Walter J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Bookkeeping machine. 1,837,832; Dec. 22.
Pasinski, Walter J., and J. Magnus, assignors to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 1,805,225; May 12.
Pask, Stanley J., Long Island City, assignor to A. H. Woods, New York, N. Y. Casing for a camera. Des. 84,950; Aug. 25.
Paslak, Emil W., and V. L. Mullendore, Denver, Colo.; said Mullendore assignor of one-sixth to said Paslak. Heavier than air airship. 1,834,417; Dec. 1.
Pasman, Abram N., assignor to Scovill Manufacturing Company, Waterbury, Conn. Transfer valve. 1,809,567; June 9.
Pasman, Abram N., assignor to Scovill Manufacturing Company, Waterbury, Conn. Flush valve. 1,813,709; July 7.
Pass, Sam. (See Levi, Julius, assignor.)
Pass & Seymour, Inc. (See Hall, Nelson W., assignor.)
Pass & Seymour, Inc. (See Jensen, Gustave B., assignor.)
Pass & Seymour, Inc. (See Morey, Harry J., assignor.)
Pass & Seymour, Inc. (See Morey, H. J., and Nicholson, assignors.)
Pass & Seymour, Inc. (See Russell, Mark N., assignor.)
Pass & Seymour, Inc. (See Watkin, Bertram L., assignor.)
Passauer, Dee R., Lucinda, Pa. Valve. 1,809,724; June 9.
Passek, Friedrich, Hamburg, Germany. Manufacturing solutions of cholestering. 1,809,422; June 9.
Passino, Viola V., North Bergen, N. J. Curtain-rod-supporting bracket. 1,795,139; Mar. 3.
Passivation Products Company, The. (See Burke, Frank D., assignor.)
Passman, Abraham J. (See Heilweil, Samuel, assignor.)
Passman, Abraham J., New York, N. Y. Stretcher for neckwear skins. 1,818,577; Aug. 11.
Passmore, William O., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Kansas City, Mo. Telephone system. 1,797,788; Mar. 24.
Pastella, Carmine, Charleroi, Pa. Outlet box adapter. 1,839,162; Dec. 29.
Pasternack, Richard, Brooklyn, and F. G. Brehmer, Forest Hills, assignors to Charles Pfizer & Company, Brooklyn, N. Y. Granular anhydrous citric acid and making same. 1,792,657; Feb. 17.
Pasternack, Richard, Brooklyn, and G. O. Cragwell, Queens Village, assignors to Charles Pfizer & Company, Brooklyn, N. Y. Production of lactones. 1,830,618; Nov. 3.
Paston, Louis, New York, N. Y. Life-saving device. 1,796,762; Mar. 17.
Pastor, Juan, Buenos Aires, Argentina. Construction of guitars. 1,804,802; May 12.
Pasurka, Charles, Chicago, Ill. Envelope. 1,803,348; May 5.
Paszkowski, Paul, Irvington, N. J., assignor to Westinghouse Electric & Manufacturing Company. Induction meter. 1,810,028; June 16.
Pataky, William J., Brooklyn, N. Y. Keyless lock. 1,832,651; Nov. 17.
Patart, Georges, near Paris, France, and H. Nielsen, Bromley, England. Reduction of calcium carbonate for the manufacture of carbides. 1,811,021; June 23.
Patart, Georges, Paris, France. Simultaneous production of methyl alcohol and liquid hydrocarbons by synthesis. 1,836,085; Dec. 15.
Patch, F. R., Manufacturing Company. (See Crane, Leslie, assignor.)
Patch, Lloyd W., Washington, D. C., and A. K. McRae, assignors to American Baby Bonds Corporation, Denver, Colo. Trade coupon or the like. Des. 83,910; Apr. 14.
Patch, Lloyd W., Washington, D. C., and A. K. McRae, assignors to American Baby Bonds Corporation, Denver, Colo. Trade coupon or the like. Des. 83,911; Apr. 14.
Patchen, Arthur D., Bloomfield, N. J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Pronged plate device for attaching seat covers. 1,827,606; Oct. 13.
Pate, Joseph W., Birmingham, Ala. Radiator. 1,808,605; June 2.

Pate, Matthew J., assignor of one-half to Doane Herring, Wilson, N. C. Switch. 1,809,527; June 9.
Patenge, Robert, Los Angeles, Calif. Milk bottle support. 1,825,975; Oct. 6.
Patentaktiebolaget Grondal-Ramen. (See Grondal, J. G., and Carlson, assignors.)
Patentaktiebolaget Gröndal-Ramen. (See Haglund, Gustaf, assignor.)
Patentaktiebolaget Velock. (See Nilson, Nils D., assignor.)
Patent Button Company. (See Carley, Leonard R., assignor.)
Patent Button Company, The. (See Carley, L. R., and White, assignors.)
Patent Button Company, The. (See Purinton, Forrest G., assignor.)
Patent Button Company. (See Varley, Leonard R., and Abel, assignors.)
Patent Button Company, The. (See White, Franklin R., assignor.)
Patent Button Company, The. (See White, F. R., and Wooster, assignors.)
Patent Development Co. (See Pecker, Joseph S., assignor.)
Patent and Licensing Corporation, The. (See Avery, Henry C., assignor.)
Patent and Licensing Corporation. (See Caton, Maurice L., assignor.)
Patent and Licensing Corporation, The. (See French, Henry R., assignor.)
Patent and Licensing Corporation, The. (See Gilchrist, Frank H., assignor.)
Patent and Licensing Corporation, The. (See Heppes, George P., assignor.)
Patent and Licensing Corporation, The. (See Jaeger, Fred, assignor.)
Patent and Licensing Corporation, The. (See Johnston, Robert T., assignor.)
Patent and Licensing Corporation, The. (See Kirschbraun, Lester, assignor.)
Patent and Licensing Corporation, The. (See Kirschbraun, L., and Heppes.)
Patent and Licensing Corporation, The. (See Levin, Harold L., assignor.)
Patent and Licensing Corporation, The. (See Low, David, assignor.)
Patent and Licensing Corporation, The. (See MacDonald, Chester R., assignor.)
Patent and Licensing Corporation, The. (See Overbury, Frederick C., assignor.)
Patent and Licensing Corporation, The. (See Overbury, F. C., and Heppes, assignors.)
Patent and Licensing Corporation, The. (See Petersen, Edwin S., assignor.)
Patent and Licensing Corporation, The. (See Ralph, Stuart H., assignor.)
Patent and Licensing Corporation, The. (See Stark, Gerald R., assignor.)
Patent and Licensing Corporation, The. (See Wood, Henry R., assignor.)
Patent Novelty Company. (See Reimer, George H., assignor.)
Patent Novelty Company. (See Reimer, William H., assignor.)
Patent Product Corporation of Chicago. (See Macomic, Chester A., assignor.)
Patent Protection Corporation. (See Jeffrey, Harold M., assignor.)
Patentverwertungs A. G. "Alpina," S. A. pour L'Exploitation de Brevets "Alpina," Patents Exploitation Cy. "Alpina" Ltd. (See Askenasy, P., and Merkel, assignors.)
Patentverwertungs A. G. "Alpina" S. A. pour l'Exploitation de Brevets "Alpina", Patents Exploitation Cy. "Alpina" Ltd. (See Battig, Rudolf E., assignor.)
Patentverwertungs A. G. "Alpina," S. A. pour l'Exploitation de Brevets "Alpina," Patents Exploitation Cy. "Alpina," Ltd. (See Gross, O., and Jost, assignors.)
Patermann, Myro, Zehlendorf, Germany. Can opener. 1,790,439; Jan. 27.
Patermann, Theodor, Ratibor, Germany. Electric hair drier. 1,799,060; Mar. 31.
Paterson, Alexander, Buffalo, N. Y. Breakdown mill. 1,804,111; May 5.
Paterson, Alexander, Buffalo, N. Y. Member for use in the production of convex metal sheets and method for processing the same. 1,833,035; Nov. 24.
Paterson, Morton L., Boston, assignor to Converse Rubber Company, Malden, Mass. Footwear. 1,808,063; June 2.
Paterson, William. (See Middendorp, Daniël J., assignor.)
Pathé Cinéma Anciens Établissements Pathé Frères. (See Marette, Jacques, assignor.)
Pathe Cinema, Anciens Etablissements Pathe Freres. (See Merle, André N., assignor.)
Pathe Exchange, Inc. (See Adatte, Albert L., assignor.)
Pathometric Laboratories, Inc. (See Wiegelsworth, Arthur E., assignor.)
"Patiag" Patentverwertungs- und Industrie Aktiengesellschaft. (See Schmidt, Rudolf, assignor.)
Patiño, José A., Paramus, N. J. Waterproofing. 1,825,199; Sept. 29.
Patnaude, Edmond T., Providence, R. I., assignor to Clark Lighter Co., Inc., New York, N. Y. Cigarette lighter. 1,792,924; Feb. 17.
Paton, Clyde R., assignor to The Studebaker Corporation, South Bend, Ind. Radiator support. 1,809,986; June 16.
Paton, Clyde R., assignor to The Studebaker Corporation, South Bend, Ind. Internal combustion engine. 1,824,732; Sept. 22.
Paton, Clyde R., and T. S. Sligh, jr., South Bend, Ind., assignors, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Automobile construction. 1,824,566; Sept. 22.
Paton, Robert J. (See Pollock, Humphrey R., assignor.)
Patoran, Rode, Schumacher, Ontario, Canada. Automatic railway switch. 1,791,308; Feb. 3.
Patrick, Ella, Olathe, Colo. Cooling device. 1,815,864; July 21.
Patrick, James H. and L. H., San Jose, Calif. Doorstop. 1,820,486; Aug. 25.
Patrick, Leonard H. (See Patrick, J. H. and L. H.)
Patrick, Robert A., Freeport, N. Y. Rudderless outboard propelling unit driven from an inboard motor. 1,819,968; Aug. 18.
Patrol Valve Company, The. (See Te Pas, Edmund J., assignor.)
Patrono, Francesco, and V. Di Bari, assignor to The Independent Macaroni Company, Inc., Mount Vernon, N. Y. Conveying means for macaroni driers. 1,833,853; Nov. 24.
Patrou, Theodore. (See Pappas, P., and Patrou.)
Patt, Winfield C., Auburn, R. I., assignor to L. G. Balfour Company, Attleboro, Mass. Finger ring. 1,830,619; Nov. 3.
Patten, Ernest L., assignor to L. Candee & Company, New Haven, Conn. Assembling footwear uppers. 1,798,626; Mar. 31.
Patten, James C. (See Humphries, Chad H., assignor.)
Patten, James C. (See Young, A. W., and Stinson, assignors.)
Patten, James C., assignor to Metals Protection Corporation, Indianapolis, Ind. Polishing chromium. 1,806,414; May 19.
Patten, Lindey H., Rugby, N. Dak. Auto heater. 1,809,528; June 9.
Patten, Raymond E., Oak Park, Ill., assignor to Edison General Electric Appliance Company. Combined clock frame and face. Des. 83,642; Mar. 10.
Patten, Raymond E., Oak Park, Ill., assignor to Edison General Electric Appliance Company. Waffle iron. Des. 84,752; July 28.
Patten, Raymond E., Oak Park, Ill., assignor to Edison General Electric Appliance Company, Inc. Waffle iron. Des. 85,199; Sept. 22.
Patterson Ballagh Corporation. (See Patterson, Claude L., assignor.)
Patterson, Claude L., assignor to Patterson Ballagh Corporation, Los Angeles, Calif. Pipe coupling and tool joint. 1,814,183; July 14.
Patterson, Edwin S., Sharon, Pa. Water elevator. 1,828,231; Oct. 20.
Patterson, Harvey L. (See Mauk, R. R., and Patterson.)
Patterson, Herbert E. (See Freeman, B. W., Herschel, and Patterson.)
Patterson, James E., assignor of one-half to P. J. Garnett, Spokane, Wash. Tool rack. 1,801,453; Apr. 21.
Patterson, John. (See Stone, J. O., and Patterson.)
Patterson, John, Oakland, assignor of one-fourth to B. Walker and one-fourth to C. L. Walker, Piedmont, Calif. Stratifying arrangement for internal combustion engines. 1,825,817; Oct. 6.
Patterson, John F., assignor to The Warren City Tank & Boiler Company, Warren, Ohio. Floating deck and its under structure for storage tanks. 1,787,546; Jan. 6.
Patterson, John F., assignor to The Warren City Tank & Boiler Company, Warren, Ohio. Vent and flame arrester. 1,799,565; Apr. 7.
Patterson, John F., assignor to The Warren City Tank & Boiler Company, Warren, Ohio. Storage tank and automatic drain valve therefor. 1,801,172; Apr. 14.
Patterson, John F., assignor to The Warren City Tank & Boiler Company, Warren, Ohio. Storage tank of the floating deck type. 1,816,124; July 28.
Patterson, John H. L., Toronto, Ontario, Canada. Rack for dishwashers. 1,826,951; Oct. 13.
Patterson, John L., assignor to Richmond Beverage Machine Corporation, Richmond, Va. Measuring device for liquids. 1,825,200; Sept. 29.
Patterson, John V., Trenton, assignor to Patterson Transmission Company, Annandale, N. J. Transmission for automobiles. 1,794,241; Feb. 24.
Patterson, Louis L., Los Angeles, Calif. Vehicle. 1,803,866; May 5.
Patterson, Morehead, New York, and E. F. Marresford, Merrick, N. Y., assignors to The Lakewest Corporation. Capping milk bottles and the like. 1,824,405; Sept. 22.
Patterson, Ralph J., assignor to Walker & Pratt Mfg. Co., Boston, Mass. Electric range. 1,816,866; Aug. 4.
Patterson, Robert, assignor to Carr-Lowrey Glass Co., Baltimore, Md. Molding glass containers. 1,833,973; Dec. 1.
Patterson, Thomas. (See Mazurie, J. V., and Patterson.)
Patterson, Thomas, Gary, Ind., assignor to National Tube Company. Gripping machine. 1,796,763; Mar. 17.
Patterson Transmission Company. (See Patterson, John V., assignor.)
Patterson, Vincent O., et al. (See Eskridge, Wilbur, assignor.)

Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Colorimeter. 1,799,639; Apr. 7.
Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope. 1,808,317; June 2.
Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Projector for strip films. 1,827,101; Oct. 13.
Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope eye piece tube. 1,837,993; Dec. 22.
Patti, Mario, Brooklyn, N. Y. Body mounting. 1,797,100; Mar. 17.
Pattillo, Donald K., Fulton, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Manufacture of paper. 1,797,789; Mar. 24.
Pattison, Charles M., Westminster, London, England. Heat generating apparatus for heating and power purposes. 1,832,786; Nov. 17.
Pattison, Ervin M., Detroit, Mich. Electric plug connection. 1,804,803; May 12.
Pattison, William S., Kansas City, Kans. Reenforced surface floor. 1,804,804; May 12.
Patton, Albert C., Knappa, Oreg. Sheave block. 1,800,700; Apr. 14.
Patton, Arthur L., assignor to Mountain Chemical Company, Denver, Colo. Method and apparatus for flushing and filling hydraulic brake systems. 1,825,013; Sept. 29.
Patton, Earl F. (See Klemann, C., and Patton.)
Patton, Harry H., Oakland, assignor to Brake-Testing Equipment Corporation, San Francisco, Calif. Method and apparatus for testing vehicle brakes. 1,825,539; Sept. 29.
Patton, Herschel E., Grangeville, Idaho. Pipe crimping device. 1,829,012; Oct. 27.
Patton, Matthew M., Spokane, Wash. Collar stiffener. 1,797,790; Mar. 24.
Patton, Oliver C., and J. G. Rawlins, Denver, Colo. Ore separator. 1,787,759; Jan. 6.
Patton, Vernon C., New Lexington, Ohio. Floor for kilns. 1,793,129; Feb. 17.
Patton, William T., Coutts, Alberta, Canada. Universal treatment table. 1,830,071; Nov. 3.
Patzkowski, Elmer C., assignor to E. C. Patzkowski, E. Truett, and H. Owsley, trustees, Compton, Calif. Aeroplane. Des. 85,301; Oct. 6.
Patzschke, Fritz, Leipzig, Germany. Agricultural machine. 1,824,098; Sept. 22.
Pauchek, Jacob, New York, N. Y. Combined shoe horn and comb. 1,832,500; Nov. 17.
Pauckner, Gustav, Ludwigshafen-on-the-Rhine, and R. Huettner, Oppau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of phosphoric acid and hydrogen. 1,815,581; July 21.
Paul, Abram F., Upper Darby Branch, Pa., assignor to National Pneumatic Company, New York, N. Y. Control valve for car doors. 1,790,168; Jan. 27.
Paul, Abram F., Llanerch, Pa., assignor to National Pneumatic Company, New York, N. Y. Remotely-controlled trapdoor and step for cars. 1,797,695; Mar. 24.
Paul, Abram F., Llanerch, Pa., assignor to National Pneumatic Company, New York, N. Y. Step and trap construction for passenger cars. 1,801,973; Apr. 21.
Paul, Abram F., Llanerch, Pa., assignor to National Pneumatic Company, New York, N. Y. Trapdoor and step control mechanism for passenger cars. 1,802,926; Apr. 28.
Paul, Alfred, jr., Douglas, Ariz. Brick and method of making same. 1,791,372; Feb. 3.
Paul, Andrew, and F. Sturni, Seward, Pa. Toy. 1,808,678; June 2.
Paul, Bryan B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulating material and making the same. 1,828,292; Oct. 20.
Paul, Edmond, Soignies, Belgium. Work holder. 1,797,836; Mar. 24.
Paul, Edwin, Albuquerque, N. Mex. Sanitary diaper container. 1,795,376; Mar. 10.
Paul, Edwin, and J. Mantonya, Albuquerque, N. Mex. Guide for pipe cleaning rods. 1,824,924; Sept. 29.
Paul, Frederick J. (See Chapman, W. A., Machemer, and Paul.)
Paul, John B., Pittsburgh, Pa. Camera. 1,806,308; May 19.
Paul, John E., Newark, N. J., assignor to United States Radium Corporation, New York, N. Y. Luminous device. 1,812,058; June 30.
Paul, Leon R. (See Botel, C., and Paul).
Paul, Leon R., assignor of one-half to J. Golankie, New York, N. Y. Hat protector. 1,802,064; Apr. 21.
Paul, Pius. (See Fleming, J. O., and Paul.)
Paul, Raymond. (See Pugsley, William H., assignor.)
Paul, William, Beecher, assignor of one-half to William E. Pratt Mfg. Co., Chicago, Ill. Air gun shell. 1,823,160; Sept. 15.
Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Circuit interrupting device. Re18,257; Nov. 24.
Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Circuit interrupter. 1,796,160; Mar. 10.
Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,805,497; May 19.
Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Circuit interrupting device. 1,814,847; July 14.
Paul, William F., Oaklyn, N. J. Wobble wheel power transmission. 1,826,325; Oct. 6.
Paul, William L., Berkeley, Calif., assignor to J. I. Case Company, Racine, Wis. Multiple gang disk harrow. 1,798,899; Mar. 31.
Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Plow. 1,804,112; May 5.
Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Harrow. 1,820,541; Aug. 25.
Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Tractor. 1,821,073; Sept. 1.
Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Draft attachment for agricultural implements. 1,823,508; Sept. 15.
Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Draft attachment for tractors. 1,838,865; Dec. 29.
Paulding, Cyril E., et al. (See Swift, William E., assignor.)
Paulding, John I., Inc. (See Johnson, Frank E., assignor.)
Paulding, John I., Inc. (See Johnson, Gustaf A., assignor.)
Paulding, John I., Inc. (See Johnson, Gustaf A. and A. A., assignors.)
Paulding, John I., Inc. (See Wack, Henry K., assignor.)
Paulett, William H., and C. Gillings, Liverpool, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,823,665; Sept. 15.
Pauli, Erwin J., Brooklyn, N. Y., assignor to Doehler Furniture Co. Inc. Chair or the like. Des. 83,346; Feb. 17.
Pauli, Fritz. (See Rast, J., Kummer, and Pauli.)
Pauli, Leopold, Wurmlingen, assignor to Actiengesellschaft fur Feinmechanik, vormals Jetter & Scheerer, Tuttlingen, Germany. Scalpel. 1,835,519; Dec. 8.
Paulin, Joshua G., Eskilstuna, Sweden. Instrument for measuring variable forces. 1,791,246; Feb. 3.
Paulino, Serafino, et al. (See Campodonico, John J., assignor.)
Paulins, Frank U., Pontiac, Mich. Jig. 1,792,506; Feb. 17.
Paulissen, Joseph P., Kankakee, Ill. Furring strip bracket. 1,803,141; Apr. 28.
Paull, Samuel, New York, N. Y., assignor to Water Proof Pocket Corporation. Bathing-suit pocket. 1,792,117; Feb. 10.
Paull, Samuel O., assignor to Eagel Manufacturing Company, Wellsburg, W. Va. Hand oiler. 1,816,792; July 28.
Paull, Wallace H., and R. Truesdale, Fort Dunlop, Birmingham, England, assignors to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y. Manufacture of yarn. 1,788,439; Jan. 13.
Paullus, John L., Wabash, Ind. Plant-treating machine. 1,791,746; Feb. 10.
Pauls, Peter C., Palo Alto, Calif. Adjustable springboard for dough troughs. 1,799,831; Apr. 7.
Paulsen, Henry M., Los Angeles, Calif. Rotary disk drill. 1,789,834; Jan. 20.
Paulsen, Thomas R., Los Angeles, Calif., assignor to Advance-Rumely Company, La Porte, Ind. Tractor. 1,806,819; May 26.
Paulsen, William R., assignor to American Heat Economy Bureau, Pittsburgh, Pa. Gas burner for blast-furnace stores or furnaces. 1,791,011; Feb. 3.
Paulson, Christian, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for adjusting springs. 1,796,805; Mar. 17.
Paulson, George M. (See Hurley, R. T., and Paulson.)
Paulson, George W., assignor to Steering Gear Manufacturing Co., Portland, Oreg. Steering gear for airships. 1,831,134; Nov. 10.
Paulson, George W., Portland, Oreg., assignor to Steering Gear Manufacturing Co., Portland, Oreg. Locator for lost ships. 1,836,495; Dec. 15.
Paulson, George W., Portland, Oreg, assignor of one-half to J. K. Peterson, Skamokawa, Wash., five one-hundredths to J. R. Weber, one one-hundredth to F. R. Iwatti, one one-hundredth to N. Wong, one one-hundredth to H. H. Staub, one one-hundredth to J. P. Altiser, one one-hundredth to F. M. George, one one-hundredth to G. Giddings, and three one-hundredths to E. M. Graves, Portland, Oreg. Steering gear. 1,837,289; Dec. 22.
Paulson, Gustav A., Chicago, Ill. Heating device for motors. 1,797,155; Mar. 17.
Paulson, Henry C., assignor to The Proof Machine and Brass Foundry Company, Cleveland, Ohio. Automobile mirror. 1,810,435; June 16.
Paulson, John B., Ridgefield Park, N. J., and E. E. L. Montelius, New York, N. Y. Building construction and unit. 1,799,313; Apr. 7.
Paulson, John E., Minneapolis, Minn. Seed-potato cutter. 1,799,638; Apr. 7.
Paulson, John E., Minneapolis, Minn. Potato grader. 1,828,066; Oct. 20.
Paulson, Lawrence, and A. W. Roettger, Rothsay, Minn. Train order holder. 1,821,446; Sept. 1.

Paulson, Peter L., Clinton, Minn. Article support for clotheslines. 1,837,478; Dec. 22.
Paulus, Charles L., Dayton, Ohio, and H. O. Russell, Detroit, Mich. Making coiled springs and spring casings. 1,804,705; May 12.
Pauly Jail Building Company. (See Kintzele, Julius H., assignor.)
Pauly, Robert C. (See Hunter, R. B., and Pauly.)
Pauly, Robert C., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Delinting device for drying machines. 1,791,574; Feb. 10.
Pausser, Arnaud E., Philadelphia, Pa. Device for winding hair on the stems of hair curling heaters. 1,819,969; Aug. 18.
Pausser, Arnaud E., Philadelphia, Pa. Winder and clip for hair waving apparatus. 1,825,540; Sept. 29.
Pavelka, Edward J., New York, N. Y. Refuse receptacle. 1,810,784; June 16.
Pavelka, Frank E., and H. W. Thompson, San Antonio, Tex. Game table. Des. 83,276; Feb. 10.
Pavelka, Frank E., and H. W. Thompson, San Antonio, Tex. Game table. Des. 83,747; Mar. 24.
Pavelka, Frank E., and H. W. Thompson, San Antonio, Tex. Bracket for game tables. Des. 84,299; June 2.
Pavelka, Joseph. (See Reinhardt, Eugene F., assignor.)
Pavelsky, Thomas R., Rochester, N. Y. Traffic signal. Des. 85,302; Oct. 6.
Pavesi, Ugo, Milan, Italy. Vehicle for the transport of artillery and especially antiaerial artillery. 1,829,669; Oct. 27.
Pavitt, William H., Brooklyn, assignor, by mesne assignments, to Wilputte Coke Oven Corporation, New York, N. Y. Charging horizontal coke oven. 1,814,184; July 14.
Pavky, Stephen, Philadelphia, Pa. Electric self-winding clock. 1,837,833; Dec. 22.
Pavloff, Stephen, Camas, Wash. Fruit gatherer. 1,811,328; June 23.
Pawling, George F., assignor to Pawling System, Inc., Philadelphia, Pa. Fabricating truss type joists. 1,803,070; Apr. 28.
Pawling, George F., Philadelphia, assignor(by mesne assignments, to S. B. Pawling, Glenside, Pa. Building structure. 1,837,630; Dec. 22.
Pawling, Sarah B. (See Pawling, George F., assignor.)
Pawling System, Inc. (See Pawling, George F., assignor.)
Pawsat, Ewald F., assignor to The Wald Manufacturing Company, Maysville, Ky. Wrench. 1,805,884; May 19.
Pawson, William H., Hemet, Calif. Agricultural implement. 1,829,294; Oct. 27.
Paxton, Elisha W., Washington, assignor to Highland Western Glass Company, Washington, Pa. Apparatus for and method of making wire glass. 1,809,863; June 16.
Paxton, Hale, Sanger, Calif. Box-making table. 1,789,495; Jan. 20.
Paxton, Hale, Redlands, Calif. Disposing of cull lettuce. 1,819,480; Aug. 18.
Paxton, Robert, Philadelphia, Pa., assignor to General Electric Company. Control of electroresponsive devices. 1,812,754; June 30.
Payer, Jacob H., Philadelphia, Pa. Jewel setting tool. 1,826,567; Oct. 6.
Payne, Charles G., Glasgow, Ky. Bearing puller. 1,826,631; Oct. 6.
Payne, Clarence Q., Shippan Point, Stamford, Conn., assignor of one-fourth to J. G. Hall, New York, N. Y. Electromagnetic clutch. 1,823,334; Sept. 15.
Payne, Daniel D., Leominster, Mass., assignor to Du Pont Viscoloid Company, Wilmington, Del. Making mottled cellulose-ester plastic bodies and the product thereof. 1,789,081; Jan. 13.
Payne, Elmer H. (See Gainer, F. J., Payne, and Bacheldor.)
Payne, Frank, Chicago, Ill., assignor to Western Brick Company, Danville, Ill. Building material. 1,808,905; June 9.
Payne, Harold, Sacramento, Calif. Current controller. 1,822,234; Sept. 8.
Payne, Hugh F., Astoria, assignor to The B. G. Corporation, New York, N. Y. Spark plug. 1,793,130; Feb. 17.
Payne, James M., jr., Dunbar, W. Va. Tumbler. Des. 83,171; Jan. 27.
Payne, James M., jr., Dunbar, W. Va., assignor to Dunbar Glass Corporation. Tumbler. Des. 83,298; Feb. 10.
Payne, Lambert M., Detroit, Mich. Thermostatic construction. 1,824,789; Sept. 29.
Payne, Marshall M., Kannapolis, N. C. Side-slipping feeler mechanism. 1,799,118; Mar. 31.
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Let off motion for looms. 1,803,142; Apr. 28.
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom let-off mechanism. 1,803,143; Apr. 28.
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 1,807,705; June 2.
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 1,807,748; June 2.
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster loom. 1,807,749; June 2.
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Contact bar for electrical warp stop-motions. 1,817,165; Aug. 4.
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric warp stop-motion. 1,817,166; Aug. 4.
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp tension gauge for looms. 1,817,203; Aug. 4.
Payne, Oscar V., Worcester, Mass., assignor to Auto-Ordnance Corporation, New York, N. Y. Firearm. 1,817,321; Aug. 4.
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Indicator for fallen drop wires. 1,826,326; Oct. 6.
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft bobbin for electrical feelers. 1,832,577; Nov. 17.
Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter for looms. 1,835,324; Dec. 8.
Payne, Paul D., Irvington, N. J., and M. Iversen, Brooklyn, N. Y., assignors to T. A. Edison, Incorporated, West Orange, N. J. Storage battery element and the production thereof. 1,821,572; Sept. 1.
Payne, Ralph W., Washington, D. C., assignor to The Rail Joint Company, New York, N. Y. Insulated rail joint. 1,795,140; Mar. 3.
Payne, Robert T. (See Davis, E. D., and Payne.)
Payne, Walter B., Rochester, assignor to The Todd Company, Rochester, N. Y. Machine for applying characters to sheets or forms. 1,823,161; Sept. 15.
Paynter, Catherine, administratrix. (See Jones, C. P., and Paynter.)
Paynter, William D. (See Jones, C. P., and Paynter.)
Pays, Achille. (See Babin, J., and Pays.)
Paysen, Magnus, Hebron, Nebr. Collapsible chorus stand. 1,818,428; Aug. 11.
Payson, Aurin E., and M. P. Wetmore, Norwich, Conn. Liquid-dispensing device. 1,794,641; Mar. 3.
Payson, Aurin E., and M. P. Wetmore, Norwich, Conn. Refrigerating apparatus. 1,803,639; May 5.
Payson, Aurin E., and M. P. Wetmore, Norwich, Conn. Refrigerating device. 1,832,473; Nov. 17.
Payson Manufacturing Company, The. (See Lackey, Robert A., assignor.)
Payton, Henrietta. (See Rudder, George, assignor.)
Payzant, Henry H., Everett, assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Pneumatic clamp. 1,827,258; Oct. 13.
Payzant, Henry H., Everett, assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Sling. 1,834,902; Dec. 1.
Peabody Engineering Corporation. (See Dyer, Horace T., assignor.)
Peabody Engineering Corporation. (See Graham, D. P., and Ferry, assignors.)
Peabody Engineering Corporation. (See Knapp, Edwin R., assignor.)
Peabody Engineering Corporation. See Leask, John P., assignor.)
Peabody Engineering Corporation. (See Warner, Samuel T., assignor.)
Peabody, Ernest H., New York, N. Y. Apparatus for preparing pulverized fuel for combustion. 1,787,593; Jan. 6.
Peace, John D., jr., Flushing, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Indicating instrument. 1,812,549; June 30.
Peacock, Charles T., Arriba, Colo. Lister. 1,814,848; July 14.
Peacock, Edward, assignor to W. S. Dawson, Glassboro, N. J. Riveting machine. 1,832,732; Nov. 17.
Peacock, Robert, et al. (See Douds, Ralph A., assignor.)
Peacock, William, et al. (See Douds, Ralph A., assignor.)
Peaden, William H., assignor of two-thirds to A. O'Dell, Tulsa, Okla. Lubricating oil dispenser. 1,823,406; Sept. 15.
Peak, Frederick T., New York, N. Y. Telephone attachment. 1,813,505; July 7.
Peak, Rembrandt, et al., trustees. (See Degand, Gust.)
Peake, Arthur M., London, England, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of citric acid. 1,788,739; Jan. 13.
Peake, Royal P., Detroit, Mich. Ball and socket universal joint. 1,836,987; Dec. 15.
Peakes, Gilbert L. (See Byck, L. C., and Peakes.)
Peale-Davis Company. (See Davis, Kenneth, assignor.)
Peale-Davis Company. (See Peale, Richard, assignor.)
Peale, Rembrandt, et al. (See Davis, Kenneth, assignor.)
Peale, Rembrandt et al., trustees. (See Davis, Kenneth, assignor.)
Peale, Rembrandt, jr., et al., trustees. (See Davis, Kenneth, assignor.)
Peale, Richard, et al., trustees. (See Davis, Kenneth, assignor.)
Peale, Richard, St. Benedict, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Process and mechanism for separating intermixed divided materials. 1,812,365; June 30.
Peale, Richard, St. Benedict, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Process and mechanism for separating intermixed divided materials. 1,832,048; Nov. 17.

Pealer, Robert B., assignor to The Borden Company, Warren, Ohio. Die stock. 1,803,484; May 5.
Pearce, Allen A., Beeville, Tex. Cotton chopper. 1,828,615; Oct. 20.
Pearce, Edwin S., Indianapolis, Ind. Apparatus for impregnating fibrous material with liquids. 1,807,600; June 2.
Pearce, Edwin S., assignor to Railway Service and Supply Corporation, Indianapolis, Ind. Waste reclamation apparatus. 1,834,174; Dec. 1.
Pearce, Louis M., assignor to Texas Iron Works Sales Corporation, Houston, Tex. Tubing slip. 1,797,964; Mar. 24.
Pearce, Peter D., Pasadena, Calif. Ice-cream dispenser. Re17,922; Jan. 6.
Pearce, W. L. (See Church, Walter L., assignor.)
Pearce, Walter H., assignor to The Brown Instrument Company, Philadelphia, Pa. Recording chart support. 1,826,896; Oct. 13.
Peard, Oliver L. and S. M., Croydon, and A. F. Harrison, Epsom, England. Electric heater for use with automobiles. 1,832,578; Nov. 17.
Peard, Stanley M. (See Peard, Oliver L., and S. M., and Harrison.)
Pearl Art, Inc. (See Bragger, W. B., and Nekarda, assignors.)
Pearl, Azariah Y., assignor to Laboratories Sevigne-Pearl, Windsor, Vt. Apparatus for coating and treating sheet material. 1,829,153; Oct. 27.
Pearmain, William J., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 1,804,113; May 5.
Pearmain, William J., and J. S. Allan, assignors to Rex Accessories Company, Racine, Wis. Valve lifter. 1,808,064; June 2.
Pearne, Frank Y. (See McClintock, W., and Pearne.)
Pearsall, William, assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Automatic setting machine. 1,791,373; Feb. 3.
Pearsall, William D. (See Stoesling, L., and Pearsall.)
Pearson, Axel B., Homestead Park, Pa. Lubricant-flow meter. 1,793,007; Feb. 17.
Pearson, Axel H., Ceresco, Nebr. Automatic fire alarm. 1,821,028; Sept. 1.
Pearson, Charles. (See Benjamin, B. R., and Pearson.)
Pearson, Charles, Chicago, Ill., assignor to International Harvester Company. Lever mechanism for tractor mowers. 1,790,072; Jan. 27.
Pearson, Charles, Chicago, Ill., assignor to International Harvester Company. Rake. 1,811,062; June 23.
Pearson, Charles, Chicago, Ill., assignor to International Harvester Company. Sweep rake. 1,838,441; Dec. 29.
Pearson, Charles, Chicago, Ill., assignor to International Harvester Company. Draft pole. 1,838,442; Dec. 29.
Pearson, Charles, Cicero, Ill., assignor to International Harvester Company. Forming mower guards. 1,793,717; Feb. 24.
Pearson, Edwin L., Minneapolis, Minn. Method of and apparatus for producing motion pictures in color. 1,824,446; Sept. 22.
Pearson, Einar, Minneapolis, Minn. Brush-holding receptacle. 1,800,151; Apr. 7.
Pearson, Erick, Columbia Heights, Minneapolis, Minn. Automatic synchronizer. 1,820,319; Aug. 25.
Pearson, Fred, Chicago, Ill. Garbage receptacle. 1,801,934; Apr. 21.
Pearson, Frederick A., Great Barrington, Mass. Electrical shutter. 1,835,612; Dec. 8.
Pearson, Gardner W., trustee. (See Cox, Walter, assignor.)
Pearson, Gustav C., assignor to Gardner-Denver Company, Denver, Colo. Tool chuck. 1,788,629; Jan. 13.
Pearson, Gustav C., assignor to Gardner-Denver Company, Denver, Colo. Tool retainer. 1,793,868; Feb. 24.
Pearson, Gustav C., assignor to Gardner-Denver Company, Denver, Colo. Apparatus for opening the bores of drill steels. 1,797,018; Mar. 17.
Pearson, Gustav C., assignor to Gardner-Denver Company, Denver, Ohio. Lubricator. 1,804,182; May 5.
Pearson, Gustav C., assignor to Gardner-Denver Company, Denver, Colo. Slip rotation for rock drills. 1,809,284; June 9.
Pearson, Gustav C., assignor to Gardner-Denver Company, Denver, Colo. Slip rotation for rock drills. 1,834,727; Dec. 1.
Pearson, Harry F., Santa Rita, N. Mex. Valve gear. 1,807,432; May 26.
Pearson, Henry C., Pasadena, Calif. Ball. 1,826,221; Oct. 6.
Pearson, Henry C., Pasadena, Calif. Article of manufacture comprising a combination ball and driver. 1,833,531; Nov. 24.
Pearson, John P., and E. J. Zahner, assignors to Metal Door & Trim Company, La Porte, Ind. Metal door. 1,835,326; Dec. 8.
Pearson, John T., assignor to Crouse-Hinds Company, Syracuse, N. Y. Conduit coupling. 1,796,806; Mar. 17.
Pearson, John T., assignor to Crouse-Hinds Company, Syracuse, N. Y. Threadless connecter. 1,809,064; June 9.
Pearson, John T., assignor to Crouse-Hinds Company, Syracuse, N. Y. Conduit coupling. 1,823,061; Sept. 15.
Pearson, Joseph C., Allentown, Pa., and F. A. Hitchcock, Washington, D. C. Process and apparatus for continuously separating granular and pulverulent materials. 1,791,426; Feb. 3.
Pearson, Laurence H., and C. Marshall, Nottingham, England. Electrical reproduction of sound from records. 1,823,162; Sept. 15.
Pearson, Oscar A., Oak Park, assignor to Thordarson Electric Manufacturing Company, Chicago, Ill. Insulating bushing. 1,809,864; June 16.
Pearson, Oscar A., Oak Park, assignor to Thordarson Electric Manufacturing Company, Chicago, Ill. Machine for cutting magnetic circuit laminæ. 1,819,481; Aug. 18.
Pearson, Paul E. (See Troyer, N., and Pearson.)
Pearson, Richard W., assignor to Koehring Company, Milwaukee, Wis. Endless traction device. 1,796,533; Mar. 17.
Pearson, Robert D. (See Kinkaid, J. H., and Weston, assignors.)
Pearson, Robert D. (See Pierson, C. W., Fitzgerald, and Thomæ, assignors.)
Pearson, Samuel D., New Castle, Pa. Building brick. Des. 84,753; July 28.
Pearson, Stanley. (See Jones, R. S., and Pearson.)
Pearson, W. L. (See Livergood, Gerald R., assignor.)
Pearsons, George T., New York, N. Y. Fire extinguisher. 1,832,817; Nov. 17.
Pease, C. F., Company. (See Brunk, Harold J., assignor.)
Pease, C. F., Company. (See Green, Charles A., assignor.)
Pease, C. F. Company. (See Lord, T., and Brunk, assignors.)
Pease, F. B., Company. (See McIntyre, Allen H., assignor.)
Pease, F. F., Inc. (See Pease, Fred F., assignor.)
Pease, Fred F., Squantum, assignor to F. F. Pease, Inc., Boston, Mass. Desiccating liquids. 1,794,978; Mar. 3.
Pease, Harry S., East Hartford, Conn. Air moistener. 1,798,220; Mar. 31.
Pease, Isaac M., Cincinnati, Ohio, assignor to The Ohio Truss Company. Abdominal support. 1,812,115; June 30.
Pease, John W., Rochester, N. Y. Fruit paring machine. 1,835,720; Dec. 8.
Pease, Joseph. (See D'Asteck, Emir L., assignor.)
Peaslee, Willetts, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 1,835,668; Dec. 8.
Peavey, Joseph L., Meridian, Miss. Combined register and first aid kit. 1,817,706; Aug. 4.
Pecerillo, Dominick, New Haven, Conn. Game. 1,834,317; Dec. 1.
Pech, Charles A., and B. B. Root, Macomb, Ill. Poultry fount. 1,835,964; Dec. 8.
Péchadre, Henri C. R., Paris, France. Wave-operated musical instrument. 1,791,374; Feb. 3.
Pechan, Ignaz, and J. Schier, Vienna, Austria, assignors to Actiengesellschaft C. P. Goerz Optische Anstalt, Actiova Spolecnost K. P. Goerz opticky ustav, Bratislava, Czechoslovakia. Telescope. 1,837,920; Dec. 22.
Pecher, Albrecht, Orebro, Sweden, assignor to United Shoe Machinery Corporation, Paterson, N. J. Pattern grading machine. 1,801,365; Apr. 21.
Pecht, Frank H. (See Schmidt, G. B., and Pecht.)
Peck, Arthur E., Los Angeles, Calif. Tooth band holder and clamp. 1,809,423; June 9.
Peck, Cecil C. (See Lincoln, J. F., and Peck.)
Peck, Cecil C., Lakewood, assignor to The Hill Clutch Machine and Foundry Company, Cleveland, Ohio. Agitating mechanism. 1,805,842; May 19.
Peck, Don C., Plainville, Conn., assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,830,674; Nov. 3.
Peck, George C., Granite City, Ill. Radiator cleaner. 1,836,988; Dec. 15.
Peck, Harley T., Lebanon, assignor to The Peters Cartridge Company, Cincinnati, Ohio. Super-waterproofing shotgun shells. 1,832,238; Nov. 17.
Peck, Hubert R., assignor to Armstrong Cork Company, Lancaster, Pa. Decorative floor covering. 1,801,020; Apr. 14.
Peck, Jacob G., Portland, Oreg. Accumulator container in expansion coils. 1,789,389; Jan. 20.
Peck, Jacob G., Portland, Oreg., and H. E. Blood, Detroit, Mich. Refrigerator cabinet. 1,833,300; Nov. 24.
Peck, Lester E. (See Timbs, E., and Peck.)
Peck, Maurice J., assignor to American Safety Device Company, Pueblo, Colo. Safety attachment for moving picture machines. 1,834,106; Dec. 1.
Peck, Miles E., et al. (See Hill, Marion M., assignor.)
Peck, Thomas E., Sioux City, Iowa. Animal spray. 1,834,175; Dec. 1.
Pecker, Joseph S., Philadelphia, Pa., assignor to Patent Development Co. Machine for repairing knitted fabrics. 1,811,329; June 23.
Pecker, Joseph S., Philadelphia, Pa., assignor to Patent Development Co. Machine and method for repairing knitted fabrics. 1,811,330; June 23.
Pecker, Joseph S., Philadelphia, Pa., assignor to Patent Development Co. Machine for repairing knitted fabrics. 1,811,331; June 23.
Peckerman, Charles, New York, N. Y. Imitation Christmas tree. Des. 85,200; Sept. 22.
Peckerman, Charles, New York, N. Y. Illuminated portable display device. Des. 85,541; Nov. 10.
Peckett, Robert P., jr. (See Schellens, E. L., and Peckett.)
Peckham, Wolf & Co. (See Clements, Joseph H., jr., assignor.)
Pecorella, Alberto, Buffalo, N. Y. Artificial limb. 1,792,183; Feb. 10.

Ped, Incorporated. (See Ljungstrom, Fredrik, assignor.)
Peden, Norman E., Newellton, Iowa. Building construction. 1,819,970; Aug. 18.
Pederiva, Alois, New York, N. Y., assignor to Bedford Armstrong Corporation, Bedford, Va. Typewriter-ribbon-reinking device. 1,795,965; Mar. 10.
Pedersen, Carl E., San Francisco, Calif. Suspension device. 1,832,239; Nov. 17.
Pedersen, Hjalmar S., assignor to Globe Stationery Company, Ltd., Los Angeles, Calif. Combined sheet and envelope. Re17,948; Feb. 3.
Pedersen, Ingvald O., Pittsburgh, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet-glass-surfacing apparatus. 1,788,931; Jan. 13.
Pedersen, Ingvald O., Pittsburgh, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,810,927; June 23.
Pedersen, Ingvald O., and E. G. Stahle, Pittsburgh, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for surfacing sheets of glass and the like. 1,831,634; Nov. 10.
Pedersen, John, Racine, Wis. Fanciful ornament and manufacture. 1,818,578; Aug. 11.
Pedersen, John D., Springfield, Mass. Gun barrel. 1,789,835; Jan. 20.
Pedersen, John D., Springfield, Mass. Firearm. 1,827,037; Oct. 13.
Pedersen, John D., Jackson, Wyo. Combination of cartridge clip and follower. 1,804,511; May 12.
Pedersen, John D., Jackson, Wyo. Reversible clip for ammunition. 1,815,524; July 21.
Pedersen, John D., Jackson, Wyo. Reversible en bloc clip for cartridges. 1,821,526; Sept. 1.
Pedersen, John D., Jackson, Wyo. Rear sight mechanism for small arms. 1,834,636; Dec. 1.
Pedersen, John D., Jackson, Wyo. Rear sight mechanism. 1,834,637; Dec. 1.
Pedersen, John D., Jackson, Wyo. Forming ammunition clips. 1,834,638; Dec. 1.
Pedersen, Julius, Bridgeport, Conn. Candlestick. Des. 83,209; Feb. 3.
Pedersen, Oscar A., New York, N. Y. Roof construction. 1,796,476; Mar. 17.
Pedersen, Oscar A., New York, N. Y. Method of construction. 1,828,907; Oct. 27.
Pedersen, Paul, New York, N. Y. Vehicle top operating mechanism. 1,805,184; May 12.
Pederson, John P., assignor to Ditto Inc., Chicago, Ill. Carriage roll release for hectograph machines. 1,820,244; Aug. 25.
Pederson, Nels, and E. Grindberg, Trent, S. Dak. Power attachment for corn pickers. 1,798,351; Mar. 31.
Pedley, Elmer C., Chino, Calif. Pipe coupling apparatus. 1,805,007; May 12.
Pedrazzo, Giovanni, Biella, Italy. Automatic commutator. 1,834,639; Dec. 1.
Pedrick, Howard A., Bala, assignor to Ev-Air-Tight Calking Co., Philadelphia, Pa. Apparatus for handling plastic calking material. 1,796,393; Mar. 17.
Pedroli, Julia B., Los Angeles, Calif. Fabric pad. 1,804,841; May 12.
Peebles, David D., Eureka, Calif. Evaporating liquids and apparatus therefor. 1,799,478; Apr. 7.
Peebles, David D., Eureka, Calif. Desiccating apparatus and method. 1,830,174; Nov. 3.
Peebles, David D., Eureka, assignor to Peebles Processes, Inc., San Francisco, Calif. System and process of treating waste liquors. 1,797,585; Mar. 24.
Peebles, David D., Eureka, assignor to F. E. Booth Company, Inc., San Francisco, Calif. Odorless desiccating method and system. 1,820,986; Sept. 1.
Peebles, George, Newark, N. J., assignor to Selbec, Inc., New York, N. Y. Suction box. 1,791,535; Feb. 10.
Peebles, James, Dalrymple, Scotland, assignor, by mesne assignments, to The Dorr Company, Inc., New York, N. Y. Apparatus for cleaning sand filter beds and the like. Re18,301; Dec. 29.
Peebles, Niles, Dallas, Tex., assignor of one-half to B. A. Marriner, Baton Rouge, La. Elevator. 1,814,407; July 14.
Peebles Processes Inc. (See Grondona, Charles A., assignor.)
Peebles Processes, Inc. (See Peebles, David D., assignor.)
Peebles, Thomas A., Pittsburgh, assignor to J. M. Hopwood, Dormont, Pa. Pressure-control system. 1,794,028; Feb. 24.
Peebles, Thomas A., Mount Lebanon, assignor to John M. Hopgood, Dormont, Pa. Dual-control device. 1,797,586; Mar. 24.
Peebles, Thomas A., Mount Lebanon, assignor to J. M. Hopwood, Dormont, Pa. Combustion control. 1,800,400; Apr. 14.
Peebles, Thomas A., Mount Lebanon, assignor to J. M. Hopwood, Dorimont, Pa. Combustion control system. 1,820,580; Aug. 25.
Peebles, Thomas A., Mount Lebanon, assignor to J. M. Hopgood, Dormont, Pa. Method and apparatus for the regulation of the temperature of superheated steam. 1,832,652; Nov. 17.
Peek, Frank W., jr., Pittsfield, Mass., assignor to General Electric Company. Protecting electrical apparatus. 1,825,541; Sept. 29.
Peek, Horace H., and A. C. Grist, Chattanooga, Tenn., said Grist assignor to said Peek. Circulating duct for boilers. 1,811,592; June 23.
Peelle Company, The. (See Nies, Frank J., assignor.)
Peelle Company, The. (See Peelle, Robert S., assignor.)
Peelle, Robert S., Hollis, assignor to The Peelle Company, Brooklyn, N. Y. Self-breaking canopy-type door. 1,787,594; Jan. 6.
Peelle, Robert S., Hollis, assignor to The Peelle Company, Brooklyn, N. Y. Warehouse door. 1,792,119; Feb. 10.
Peelle, Robert S., Hollis, assignor to The Peelle Company, Brooklyn, N. Y. Elevator door. 1,810,496; June 16.
Peelle, Willis J., Chicago, Ill. Apparatus for manufacturing rubber products. 1,825,282; Sept. 29.
Peer, Charles, Brush, Colo. Sugar beet topping machine. 1,821,573; Sept. 1.
Peerless Bread Machine Company, The. (See Lauterbur, Frank X. and E. J., and Mintchell, assignors.)
Peerless Handcuff Company. (See Neal, Elmer E., assignor.)
Peerless Heater Company, The. (See King, Thomson, assignor.)
Peerless Heater Company, The. (See King, T., and Burkert, assignors.)
Peerless Level & Tool Company, The. (See Weber, Jacob F., assignor.)
Peerless Machinery Company. (See Andersson, Arvid, assignor.)
Peerless Machinery Company, The. (See Spry, William M., assignor.)
Peerless Novelty Company. (See Stansberry, Warren H., assignor.)
Peerless Pearl Company. (See Platt, Maurice, assignor.)
Peerless Products Co. (See Gedge, Edna R., assignor.)
Peerless Pump Company. (See Wintroath, John A., assignor.)
Peerless Sample Card Co. Inc. (See Domber, Joseph and M., assignors.)
Peerless Tank and Seat Works, Inc. (See Henn, William A., assignor.)
Peerless Unit Ventilation Co. Inc. (See Callahan, Michael J., assignor.)
Peerless Valve Manufacturing Company. (See Witt, Agatho H., assignor.)
Peet, Charles H., Bristol, Pa., assignor to Rohm and Haas Company. Insecticide, fungicide, and disinfectant. 1,816,441; July 28.
Peet, Gerald D., Montclair, assignor to Wallace & Tiernan Company Inc., Belleville, N. J. Gas supply apparatus. 1,831,319; Nov. 10.
Peet, Robert B. (See Burke, W. E. Ritchie, and Peet.)
Peet, Robert B., Trona, assignor to American Potash & Chemical Corporation, Trona, Calif. Crystallizing borax from solution. 1,792,863; Feb. 17.
Peets, Elbert. Cleveland, Ohio. Tree surgery. 1,799,699; Apr. 7.
Peets, Elbert, Cleveland, Ohio. Closure of tree cavities. 1,799,700; Apr. 7.
Peets, Wilbur J., assignor to Diehl Manufacturing Company, Elizabeth, N. J. Phonograph driving mechanism. 1,820,154; Aug. 25.
Peets, Wilbur J., assignor to Diehl Manufacturing Company, Elizabeth, N. J. Phonograph turntable mechanism. 1,838,060. Dec. 22.
Peetz, Frederick W. (See Schuepbach, Carroll J., assignor.)
Pegg, Henry L., St. Paul, Minn. Submarine rescue ship. 1,792,118; Feb. 10.
Pegues, John A. (See White, L. J., and Pegues.)
Pehel, Zygmunt, New York, N. Y., and G. Zych, Linden, N. J. Door alarm. 1,825,888; Oct. 6.
Pehl, Andrew J., assignor, by mesne assignments, to H. A. Heavens and W. C. Jeffares, Seattle, Wash. Traveling apparatus for rinsing and drying rugs. 1,833,259; Nov. 24.
Pehrsson, Johan, Skillingaryd, Sweden. Adjustable wrench. 1,811,148; June 23.
Pehrsson, Johan, assignor to The Colson Company, Elyria, Ohio. Mop wringer. 1,831,135; Nov. 10.
Peik, Louis D., Mishawaka, Ind., assignor to The American Foundry Equipment Company, New York, N. Y. Down draft room. 1,825,542; Sept. 29.
Peik, Louis D., Mishawaka, Ind., assignor to The American Foundry Equipment Company, New York, N. Y. Tumbling mill. 1,833,301; Nov. 24.
Peikert, Heinrich, Kalkberge, Germany. Air-pressure conveyer. 1,796,215; Mar. 10.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass-annealing leer. 1,790,630; Jan. 27.
Peiler, Karl E., West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for glassworking. 1,791,323; Feb. 3.
Peiler, Karl E., West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for feeding molten glass. 1,791,634; Feb. 10.
Peiler, Karl E., West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for feeding molten glass. 1,791,635; Feb. 10.
Peiler, Karl E., West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for feeding molten glass. 1,791,636; Feb. 10.
Peiler, Karl E., West Hartford, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Electrically heated container for molten glass. 1,807,071; May 26.

Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Conveyer guide. 1,821,664; Sept. 1.
Peiler, Karl E., West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn. Two table glass forming machine. 1,823,123; Sept. 15.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for transferring glass parisons. 1,826,019; Oct. 6.
Peiler, Karl E., West Hartford, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Method and apparatus for feeding molten glass. 1,828,438; Oct. 20.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Conical stirrer. 1,828,718; Oct. 20.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Conical stirrer. 1,828,719; Oct. 20.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford,Conn. Apparatus for feeding molten glass. 1,828,720; Oct. 20.
Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Continuous two table bottle machine. 1,833,302; Nov. 24.
Peiler, Karl E., West Hartford, and W. T. Barker, jr., assignors to Hartford-Empire Company, Hartford, Conn. Suction feeder. 1,828,717; Oct. 20.
Pein, Heinz, Bremen, Germany. Receiving apparatus for electric telegraphs. 1,789,637; Jan. 20.
Peirce, Charles L., jr., Pittsburgh, Pa., assignor to Hubbard and Company. Guy rod. 1,794,495; Mar. 3.
Peirce, Charles L., jr., Pittsburgh, Pa., assignor to Hubbard & Company. Insulator rack. 1,811,211; June 23.
Peirce, John R., assignor to International Business Machine Corporation, New York, N. Y. Tabulating machine. 1,791,762; Feb. 10.
Peirce, John R., assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 1,808,432; June 2.
Peirce, John R., assignor, by mesne assignments, to The Tabulating Machine Company, New York, N. Y. Card feeding mechanism. 1,827,259; Oct. 13.
Peirce, Ralph S., Hinsdale, Ill. Anchorage device. 1,821,400; Sept. 1.
Peirce, Ralph S., Hinsdale, Ill. Attaching device. 1,821,401; Sept. 1.
Peirce, Willis M., and E. A. Anderson, Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Zinc base alloy and wrought products made therefrom. 1,832,653; Nov. 17.
Peirce, Willis M., and E. A. Anderson, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Zinc base alloy and wrought products made therefrom. 1,832,733; Nov. 17.
Pekar, Frank, Bridgeport, Conn. Sash lock. 1,828,439; Oct. 20.
Pelco Auto Products, Inc. (See Pelletier, Henry E., assignor.)
Pelikan, John M. (See Brooks, C. A., and Pelikan.)
Pelikan, John M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,791,838; Feb. 10.
Pelikan, John M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control apparatus. 1,801,974; Apr. 21.
Pelkey, Frank T., Marine City, Mich. Anchor. 1,804,273; May 5.
Pelkey, Louis N., Howell, Mich. Block cleaning machine. 1,816,054; July 28.
Pelkman, Johannes H. N., London, England, assignor to Naamlooze Vennootschap Bakovenbouw voorheen H. P. den Boer, Dordrecht, Netherlands. Traveling oven. 1,811,962; June 30.
Pellegrin, Elmer D. (See Wilkinson, G. D. and Pelegrin.)
Pellegrino, Nicola, Jersey City, N. J. Valve. 1,798,952; Mar. 31.
Pelletier, Gabriel, assignor to Société E. C. & Alexandre Grammont, Paris, France. Vacuum tube with two anodes and two grids. 1,794,242; Feb. 24.
Pelletier, Henry E., Jersey City, N. Y., assignor to Pelco Auto Products, Inc., New York, N. Y. Filter. 1,822,452; Sept. 8.
Pelletier, Joseph E., et al. (See Chartier, Adjutor, assignor.)
Pelletier, Julian, Calgary, Alberta, Canada, assignor to Chester E. Williams, Worcester, Mass. Bag-filling machine. 1,800,657; Apr. 14.
Pelletier, Louis F. (See Ciglia, E. F., and Pelletier.)
Pellett, Jackson S. (See Rowand, L. G., and Pellett.)
Pellissier, George E., Holyoke, Mass. Flying machine. 1,795,035; Mar. 3.
Pellow, Robert E., Waco, Tex. Cocktail spoon. Des. 84,647; July 14.
Pelmulder, Charles, York, Nebr. Automatic stock-watering fountain. 1,793,431; Feb. 17.
Pelosi, Antonio, Brockton, Mass. Article carrier. 1,836,616; Dec. 15.
Pelosi, Frank, Haverhill, Mass. Safety razor. 1,807,342; May 26.
Pelphrey, Arthur W., Los Angeles, Calif. Vacuum head and deodorizer. 1,801,687; Apr. 21.
Pels, Henry, Berlin-Charlottenburg, Germany. Shears for cutting profiled materials. 1,798,106; Mar. 24.
Pels, Henry, Berlin-Charlottenburg, Germany. Hydraulic safety device for power presses and the like. 1,808,606; June 2.
Peltier, Frank D., and C. E. Ploeger, Evansville, Ind., assignors, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 1,788,343; Jan. 6.
Peltier, Frank D., and E. Widerborg, Evansville, Ind., assignors, by mesne assignments, to Servel, Inc., New York, N. Y. Shaft seal. 1,825,918; Oct. 6.
Pelton, Earl L. (See Strosacker, C. J., Kendall, Kennedy, and Pelton.)
Pelton, George E., Hartford, Conn. Supplying ink to inking ribbons. 1,826,568; Oct. 6.
Pelton, George E., Hartford, Conn., assignor to The George E. Pelton Company. Ink transfer member and making the same. 1,830,559; Nov. 3.
Pelton, George E., Hartford, Conn., assignor to The George E. Pelton Company. Ink transfer member and making same. 1,830,620; Nov. 3.
Pelton, George E., Company, The. (See Pelton, George E., assignor.)
Pelton, George M., assignor to The Filer & Stowell Company, Milwaukee, Wis. Setworks. 1,810,029; June 16.
Pelton, John C., assignor to P. Rogers Babcock, Santa Barbara, Calif. Producing dense concrete articles. 1,800,401; Apr. 14.
Pelton Water Wheel Company, The. (See Orton, Ernest W., assignor.)
Pelton Water Wheel Company, The. (See Orton, E. W., and Foulds, assignors.)
Pelton, William E. (See Miller, D. L., and Pelton.)
Pelz, Alfons, Oppeln, Germany. Formation of paper bags. 1,839,163; Dec. 29.
Pelzer, Harry L. (See Herthel, E. C., and Pelzer.)
Pelzer, Harry L., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Activating fuller's earth and the like. 1,831,635; Nov. 10.
Pelzer, Harry L., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Cracking and coking hydrocarbon oils. 1,831,719; Nov. 10.
Pemberton-Billing, Noel, Twickenham, assignor, by mesne assignments, to American and Dominions Unbreakable Records Limited, London, England. Manufacture of gramophone records. 1,804,641; May 12.
Pemberton, Uz C., Seffner, and J. B. Johnson, Tampa, Fla. Artificial fish bait. 1,807,870; June 2.
Pemsl, George, Dubuque, Iowa. Propeller. 1,825,473; Sept. 29.
Pen Desk Set Company. (See Cuthbert, W. R., and Lindemon, assignors.)
Pen Desk Set Company. (See Guyot, Walter, assignor.)
Pen Desk Set Company. (See Heagney, Walter, assignor.)
Pen Desk Set Company. (See Sheaffer, Craig R., assignor.)
Penberthy Injector Company. (See Marty, Fred J., assignor.)
Penberthy Injector Company. (See Yoder, Howard D., assignor.)
Pence, Forrest K., Paducah, Ky. Flashing clay products and the product. 1,802,776; Apr. 28.
Pence, William R., Memphis, Tenn. Doorcheck. 1,790,763; Feb. 3.
Pencil Mechanism Corporation. (See Deutsch, Hermann, assignor.)
Pendarvis, Elizabeth L. (See Pendarvis, G. R. and E. L.)
Pendarvis, George R. and E. L., Hampton Roads, Va. Insect protector. 1,805,415; May 12.
Pendennis Toiletries, Incorporated. (See Moodie, Alexander, assignor.)
Pender, Culbert J., Lautoka, Fiji Islands. Cane slicer and leveler attachment for sugar-mill rolls. 1,797,673; Mar. 24.
Pender, Culbert J., Lautoka, Fiji. Sugar roll mill. 1,827,669; Oct. 13.
Pender, Harold, Merion, assignor to International Resistance Company, Philadelphia, Pa. Electrical resistance device. 1,828,577; Oct. 20.
Pender, Harold, Merion, assignor to International Resistance Company, Philadelphia, Pa. Electric resistance device. 1,832,419; Nov. 17.
Pendergast, Overton W., Terre Haute, Ind. Tag-hole patch with detachable claim check. 1,796,894; Mar. 17.
Pendergast, Overton W., Terre Haute, Ind. Storage-battery tag. 1,796,895; Mar. 17.
Pendill, William F. (See Bosek, M. J., and Pendill.)
Pendleton, Charles B., Los Angeles, Calif. Elevating fluids. 1,837,669; Dec. 22.
Pendleton, Charles L., Wewoka, Okla. Tank flange. 1,809,250; June 9.
Pendleton, Morris B. (See Berggren, Charles A., assignor.)
Pendleton, Rex, Dallas, Tex. Combination floor lamp and smoking set. Des. 83,172; Jan. 27.
Penfield, Raymond C., New York, N. Y. Lifting device. 1,808,175; June 2.
Penfield, William S., San Fransisco, Calif. Replacing valve seats. 1,837,334; Dec. 22.
Penick, Arthur J. (See Penick, Kirby T. and A. J.)
Penick, Arthur J. (See Penick, K. T., Penick, and Millmine.)
Penick, Arthur J. and K. T., Houston, Tex. Piston. 1,791,971; Feb. 10.
Penick, Kirby T. (See Penick, Arthur J. and K. T.)
Penick, Kirby T., and A. J., Houston, Tex. Pump. 1,787,874; Jan. 6.

Penick, Kirby T., A. J. Penick, and H. W. Millmine, Houston, Tex. Pump packing. 1,817,095; Aug. 4.
Peninsular Grinding Wheel Company, The. (See Beebe, Alan P., assignor.)
Penman, David T., Collingdale, Pa. Valve grinder. 1,799,119; Mar. 31.
Penman, Frank R. (See Roberts, Elmo M., jr., and Penman.)
Penn, Albert, assignor to Penn Electric Switch Co., Des Moines, Iowa. Deep well water supply system. 1,814,454; July 14.
Penn Electric Switch Co. (See Henning, Malcolm E., assignor.)
Penn Electric Switch Co. (See Knaak, George A., assignor.)
Penn Electric Switch Co. (See Penn, Albert, assignor.)
Penn Electric Switch Co. (See Penn, Ralph, assignor.)
Penn Engineering Company. (See Long, James A., assignor.)
Penn Heat Control Company. (See Shafer, William L., assignor.)
Penn, Julius H., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone instrument. 1,788,030; Jan. 6.
Penn Metal Company. (See Redding, Edward T., assignor.)
Penn, Norman L. (See Phelps, A. W., and Penn.)
Penn, Ralph, assignor to Penn Electric Switch Co., Des Moines, Iowa. Dual-controlled switch. 1,791,839; Feb. 10.
Penn, Ralph, assignor to Penn Electric Switch Co., Des Moines, Iowa. Pressure actuated switch. 1,827,102; Oct. 13.
Penn, Ralph, assignor to Penn Electric Switch Co., Des Moines, Iowa. Differential widening means. 1,827,103; Oct. 13.
Penn, Thornton, Des Moines, Iowa. Garment repair means. 1,820,631; Aug. 25.
Penn Tobacco Company. (See Weigand, H., and Schobert, assignors.)
Penners, William J., Minneapolis, Minn. Holder for buckets. 1,833,690; Nov. 24.
Penney, Clarence R., Des Moines, Iowa. Manually operated stamp cutting, affixing, inking and canceling machine. 1,812,980; July 7.
Penney, Frederick D., Los Angeles, Calif. Producing ornamental material for lamp shades and the like. 1,789,449; Jan. 20.
Penney, J. C., Company. (See Rader, Robert J., assignor.)
Penney, Robert L. (See Sisty, T., and Penney.)
Pennicott, Roy, Seattle, Wash., assignor to Remington Typewriter Company, Ilion, N. Y. Combined typewriting and computing machine. 1,810,325; June 16.
Penniman, John H., and J. G. Collins, assignors to The Atlas Press Company, Kalamazoo, Mich. Revoluble display stand. 1,789,562; Jan. 20.
Penning, Nicholas J., Pittsburgh, Pa., assignor to Duplate Corporation. Process and apparatus for making composite glass. 1,819,336; Aug. 18.
Pennington, Gordon R., Cleveland Heights, Ohio. Belt drive mechanism. 1,807,133; May 26.
Pennington, Harley D., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Threading die holder. 1,814,492; July 14.
Pennington, Harry, Houston, Tex. Rotary drilling rig. 1,822,710; Sept. 8.
Pennock, Edward M., assignor to G. H. Tennant Company, Minneapolis, Minn. Bottle crate. 1,801,975; Apr. 21.
Pennock, Warren F., Detroit, Mich. Automobile heating apparatus. 1,838,497; Dec. 29.
Pennsylvania Box & Lumber Co. (See Carnwath, Robert, assignor.)
Pennsylvania Carpet Corporation. (See Gero, Victor, assignor.)
Pennsylvania Crusher Company. (See Battey, William A., assignor.)
Pennsylvania Crusher Company. (See Battey, W. A., Stine, and Borton, assignors.)
Pennsylvania Crusher Company. (See Borton, George W., assignor.)
Pennsylvania Crusher Company. (See Campbell, Herbert F., assignor.)
Pennsylvania Crusher Company. (See Jamison, Charles A., assignor.)
Pennsylvania Engineering Works. (See Allen, Lee E., assignor.)
Pennsylvania Globe Company. (See Shaw, Arthur E., assignor.)
Pennsylvania Lubricating Company. (See Stiffler, Torrence F., assignor.)
Pennsylvania Rubber Company. (See De France, Murrell J., assignor.)
Pennsylvania Rubber Company. (See Humphrey, Walter E., assignor.)
Pennsylvania Textile Mills, Inc. (See Gledhill, David F., assignor.)
Pennsylvania Wire Glass Company. (See Arno, Shuman, assignor.)
Pennsylvania Wire Glass Company. (See Masters, Paul G., assignor.)
Penny, Harold K., Dallas, Tex. Sucker rod elevator. 1,801,976; Apr. 21.
Penny, Leon T., Raleigh, N. C. Railway-brake-operating mechanism. 1,792,442; Feb. 10.
Penote, Augustus J., Shaker Heights, Ohio. Manhole form of adjustable sections. 1,814,738; July 14.
Penote, Augustus J., Shaker Heights, Ohio. Extension boom for excavators. 1,832,787; Nov. 17.
Penote, Augustus J., Shaker Heights, Ohio. Barricade structure. 1,838,151; Dec. 29.
Penrod, Melvin A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling system. 1,796,342; Mar. 17.
Penrod, Melvin A., and C. A. Brooks, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 1,792,864; Feb. 17.
Penrod, Melvin A., and C. A. Brooks, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,797,479; Mar. 24.
Penrod, Melvin A., Swissvale, H. S. Young, Wilkinsburg, and C. A. Brooks, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,806,820; May 26.
Penrose, Chester F. (See Mansfield, J. H., and Penrose.)
Penrose, Herbert W., assignor of one-fourth to M. R. Penrose and one-fourth to C. J. Guild, Yerington, Nev. Sign. 1,813,462; July 7.
Penrose, Matthew R., et al. (See Penrose, Herbert W., assignor.)
Pensel, George R. and S. H. Friestedt, assignors to Ritter Chemical Company, Amsterdam, N. Y. Lustering leather. 1,827,163; Oct. 13.
Penteado, Armando A., Paris, France. Phonograph disk. 1,812,550; June 30.
Pentz, Albert D., assignor to Pentz Motor Brake Corporation, New York, N. Y. Hydraulic brake. 1,805,256; May 12.
Pentz, Albert D., assignor to Pentz Motor Brake Corporation, New Brighton, N. Y. Master cylinder. 1,819,482; Aug. 18.
Pentz Motor Brake Corporation. (See Pentz, Albert D., assignor.)
Penza, Frederick, Brooklyn, N. Y. Method and apparatus for making macaroni. 1,788,689; Jan. 13.
Penza, Frederick, assignor of one-half to A. Chiapparelli, Broklyn, N. Y. Manufacture of macaroni. 1,822,904; Sept. 15.
Peo, Howard J., Rochester, N. Y. Game of skill. 1,788,323; Jan. 6.
Peo, Ralph F., Kenmore, assignor to Houde Engineering Corporation, Buffalo, N. Y. Shock absorber. 1,798,352; Mar. 31.
Peoples, Donald W. (See Voorhies, J., Miller, and Peoples.)
Peoples Finance & Thrift Co. (See Graham, William A., assignor.)
Peoples Gas By-Products Corporation. (See Guthrie, R. G., and Wozasek, assignors.)
Peoples-Pittsburgh Trust Company, administrator. (See Dyrssen, Waldemar.)
Peperkorn, Heinrich. (See Wempe, F., and Peperkorn.)
Pepin, Joseph P. (See Nadeau, A., and Pepin.)
Peppard, Samuel T., Fullerton, Calif. Control head for oil and gas wells. 1,789,771; Jan. 20.
Pepperell Manufacturing Company. (See Mansker, A., and Baum, assignors.)
Pepperell Manufacturing Company. (See Sarg, Antonio F., assignor.)
Perazzoli, Henry, Philadelphia, Pa. Trolley wire contact hook. 1,833,756; Nov. 24.
Percell, John D., assignor of sixty per cent to G. Ganser and A. Zimmerman, trading as The Diamond Machine Company, and forty per cent to L. Willig, Philadelphia, Pa. Hair curling appliance. 1,824,497; Sept. 22.
Percival, Harry S., and H. H. Bartlett, Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company. Grade clamp. 1,832,996; Nov. 24.
Percy, Earl N. (See Odell, W. W., and Percy.)
Percy, Edwin H., Fort Bragg, Calif., assignor, by mesne assignments, to The Prescott Company. Sawmill log carriage machinery. 1,836,496; Dec. 15.
Percy, William W., Seattle, Wash. Reducing the iron in iron oxides to its metallic form. 1,792,507; Feb. 17.
Perdue, Whittier. (See Strong, J. B., Hoffman, and Perdue.)
Pereboom, Andrew C., Los Angeles, Calif. Propeller for driving and stabilizing aircraft. 1,809,424; June 9.
Perego, Luigi, Milan, Italy. Fuse for bombs and the like. 1,832,579; Nov. 17.
Peremi, Edmund. (See Polachek, J., Jepsen, and Peremi.)
Perera, Alvaro, New York, N. Y. Weighing scale. 1,806,496; May 19.
Perew, Louis P., et al. (See Roberts, John P., assignor.)
Perey, Frank J., Waldwick, N. J. Turnstile. 1,796,161; Mar. 10.
Perey, Frank J., Waldwick, N. J. Turnstile. 1,815,130; July 21.
Perez, Pascual, New York, N. Y. Reshaping device for ties. 1,828,472; Oct. 20.
Perfect Circle Company, The. (See Teetor, Charles N., assignor.)
Perfect Circle Company, The. (See Teetor, Macy O., assignor.)
Perfect Circle Company, The. (See Teetor, Ralph R., assignor.)
Perfect Hemstitcher Manufacturing Co., The. (See Briggs, A. B. and S. E., assignors.)
Perfection Manufacturing Company, The. (See Eberle, John A., assignor.)

Perfection Package Sealer Company. (See Uttz, William A., sr., assignor.)
Perfection Steel Body Company. (See Bordeaux, Ephriam P., assignor.)
Perfection Stove Company. (See Chadwick, Lee S., assignor.)
Perfection Stove Company. (See Chadwick, L. S., and Kessler, assignors.)
Perfection Stove Company. (See Chadwick, L. S., and Resek, assignors.)
Perfection Stove Company. (See Chadwick, L. S., Resek, and Dahlstrom, assignors.)
Perfection Stove Company. (See Chadwick, L. S., Resek, and Kessler, assignor.)
Perfection Stove Company. (See Chadwick, L. S., Resek, and Midnight, assignors.)
Perfection Stove Company. (See Chadwick, L. S., and Sorensen, assignors.)
Perfection Stove Company. (See Keith, David F., assignor.)
Perfection Stove Company. (See Resek, Marc, assignor.)
Perfex Corporation. (See MacLeod, Daniel T., assignor.)
Perin, Donald W., Brookline, assignor to Perin-Walsh Company, Boston, Mass. Container having swivel casters. 1,804,541; May 12.
Perin, Donald W., Brookline, Mass., assignor to American Freight Service, Inc., New York, N. Y. Locking means. 1,804,542; May 12.
Perin-Walsh Company. (See Perin, Donald W., assignor.)
Perkin, Joe, Bayonne, N. J. Doorlock marker. 1,825,474; Sept. 29.
Perkins, Albert G., Buffalo, N. Y. Pipe joint. 1,829,236; Oct. 27.
Perkins, B. F., & Son, Inc. (See Senna, Samuel N., assignor.)
Perkins, B. F., & Son, Inc. (See Shorrock, James P., assignor.)
Perkins Cementing, Inc. (See Wickersham, Newton W., assignor.)
Perkins, Clarence B., Providence, R. I., assignor to Apco Mossberg Corporation, Attleboro, Mass. Stabilizing device. 1,791,972; Feb. 10.
Perkins, Clarence J. (See Croslen, Roy C., assignor.)
Perkins Corporation. (See Hunt, Fred L., assignor.)
Perkins, Edwin C., New Haven, Conn. Garment hanger. 1,802,777; Apr. 28.
Perkins, Frederick, assignor to Perkins Marine Lamp Corporation, New York, N. Y. Marine lamp. 1,815,582; July 21.
Perkins, George G., Lynn, Mass. Seam forming and staying machine. 1,815,325; July 21.
Perkins, George H., Cambridge, Mass., and R. C. Shoemaker, Philadelphia, Pa., assignors to Warren Brothers Company, Cambridge, Mass. Machine for spreading bituminous mixtures. 1,794,317; Feb. 24.
Perkins, George H., Cambridge, Mass., and R. C. Shoemaker, Philadelphia, Pa., assignors to Warren Brothers Company, Cambridge, Mass. Dumping body. 1,794,318; Feb. 24.
Perkins Glue Company. (See Harvey, Ellery H., assignor.)
Perkins, John N., Richmond, Va. Valve-operating mechanism. 1,790,998; Feb. 3.
Perkins, John N., Richmond, Va. Valve-operating mechanism. 1,790,999; Feb. 3.
Perkins, Julian L., West Springfield, and H. D. Croft, assignors to Perkins Machine and Gear Company, Springfield, Mass. Workholder. 1,791,224; Feb. 3.
Perkins, Julian L., West Springfield, and H. D. Croft, Springfield, assignors to Perkins Machine & Gear Company, West Springfield, Mass. Gear construction. 1,810,368; June 16.
Perkins, Julian L., West Springfield, and H. D. Croft, Springfield, assignors to Perkins Machine and Gear Company, West Springfield, Mass. Starting and stopping mechanism. 1,813,254; July 7.
Perkins, Julian L., West Springfield, and H. D. Croft, Springfield, assignors to Perkins Machine and Gear Company, West Springfield, Mass. Washing machine carriage. 1,826,820; Oct. 13.
Perkins, Julian L., West Springfield, and J. Oakley, and H. D. Croft, Springfield, assignors to Perkins Machine & Gear Company, West Springfield, Mass. Tub. 1,828,908; Oct. 27.
Perkins, Julian L., West Springfield, J. Oakley and H. D. Croft, assignors to Perkins Machine and Gear Company, Springfield, Mass. Wringer head and drive. 1,830,406; Nov. 3.
Perkins, Julian L., West Springfield, and H. D. Croft, Springfield, assignors to Perkins Machine and Gear Company, West Springfield, Mass. Clothes wringer. 1,837,790; Dec. 22.
Perkins, Julian L., West Springfield, and H. D. Croft, Springfield, assignors to Perkins Machine and Gear Company, West Springfield, Mass. Driving mechanism. 1,837,791; Dec. 22.
Perkins, Karl D., assignor to Audiffren Refrigerating Machine Company, New York, N. Y. Humidifier. 1,806,021; May 19.
Perkins, Kenneth, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric lamp socket. 1,805,048; May 12.
Perkins, Kenneth, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric motor. 1,822,859; Sept. 8.
Perkins, Laurence M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,794,980; Mar. 3.
Perkins, Laurence M., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Generator. 1,817,495; Aug. 4.
Perkins, Louis E., assignor to Perkins Marine Lamp Corporation, Brooklyn, N. Y. Marine lamp. 1,827,207; Oct. 13.
Perkins Machine & Gear Company. (See Perkins, J. L., and Croft, assignors.)
Perkins Machine and Gear Company. (See Perkins, J. L., Oakley, and Croft, assignors.)
Perkins Marine Lamp Corporation. (See Perkins, Frederick, assignor.)
Perkins Marine Lamp Corporation. (See Perkins, Louis E., assignor.)
Perkins, Melvin S. (See Lyons, J. F., and Perkins.)
Perkins, Ralph, trustee. (See Smith, James W., assignor.)
Perkins, Robert L. (See Moses, F. G., Hess, and Perkins.)
Perkins, Robert L., East Aurora, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Froth flotation of minerals. 1,819,112; Aug. 18.
Perkins, Robert L., East Aurora, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Flotation reagent and froth flotation. 1,819,113; Aug. 18.
Perkins, Robert L., East Aurora, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Concentration of ores by flotation. 1,819,114; Aug. 18.
Perkins, Thomas S., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Graphic meter. 1,792,319; Feb. 10.
Perks, Edgar, Auckland, New Zealand. Manufacture of butter. 1,791,000; Feb. 3.
Perks, George W., Company, The. (See Gammeter, John R., assignor.)
Perks, Thomas E., Remuera, New Zealand. Gas water heater system. 1,831,879; Nov. 17.
Perks, Thomas E., Remuera, assignor to A & T Burt Limited, Dunedin, New Zealand. Apparatus for use in dry cleaning operations. 1,802,034; Apr. 21.
Perks, Walter, London, England, assignor to W. Vicars, Rose Bay, near Sydney, Australia. Deburring machine. 1,811,519; June 23.
Perl, Albert H. F., Birmingham, England, assignor to E. L. Jones, Double Bay, near Sydney, New South Wales, Australia. Instrument for stringing and slicing beans. 1,795,231; Mar. 3.
Perl, Alfred, Vienna, Austria, assignor of one-half to Oscar Kohorn & Co., Chemnitz, Germany. Machine for the wet treatment of textile material. 1,836,086; Dec. 15.
Perl, Gustav H. A., Berlin, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Perforating machine. 1,800,402; Apr. 14.
Perl, John, Los Angeles, assignor to M. M. Cory, San Diego, Calif. Activating cellulose bearing material preparatory to hydrolysis. 1,828,982; Oct. 27.
Perla, Samuel, Brooklyn, N. Y. Lighting fixture part. 1,805,996; May 19.
Perlain, Hans E., Portland, Oreg. Airplane. 1,834,135; Dec. 1.
Perlesz, Hugo, assignor to Burton-Dixie Corporation, Chicago, Ill. Mattress border. Des. 84,491; June 23.
Perlman, A., Iron Works, Inc. (See Perlman, Abraham, assignor.)
Perlman, Abraham, New York, N. Y. Door operating and locking mechanism. 1,813,710; July 7.
Perlman, Abraham, New York, N. Y., assignor to A. Perlman Iron Works, Inc. Door locking and operating mechanism. 1,828,721; Oct. 20.
Perlman, David, New York, N. Y. Combined hair clipper and massage vibrator. 1,835,613; Dec. 8.
Perlmutter, Harry. (See Jackson, Joseph W., assignor.)
Permanent Posters. (See Osborne, Frederick E., assignor.)
Permold Company, The. (See Fahlman, Everett G., assignor.)
Permutit Company, The. (See Behrman, Abraham S., assignor.)
Permutit Company, The. (See Green, Walter H., assignor.)
Permutit Company, The. (See McElroy, Karl P., assignor.)
Permutit Company, The. (See Nordell, E., and Hughes, assignors.)
Pernot, Frederick E., London, England. Alternating current signaling system. 1,821,114; Sept. 1.
Pero, John M. (See Daniels, N., and Pero.)
Perper, Israel, Bronx, N. Y. Shade roller mounting. 1,810,497; June 16.
Perpetual Self Winding Watch Company of America, Inc. (See Reiner, Max, assignor.)
Perquin, Joannus J., and H. J. Francken, The Hague, Netherlands. Marking and sealing tags. 1,824,567; Sept. 22.
Perreault, George E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone desk set. 1,831,391; Nov. 10.
Perrenoud, Paul E., Benton Township, Berrien County, Mich. Combination internal combustion and steam engine. 1,802,828; Apr. 28.
Perreton, Arnold, Durham, N. H. Projectile. 1,801,639; Apr. 21.

Perrin, Alphonse R., assignor to Dana Warp Mills, Westbrook, Me. Slub catcher for winding machines. 1,818,350; Aug. 11.
Perrin, Edouard A., Paris, France. Flying machine. 1,789,254; Jan. 13.
Perrin, Edouard A., Le Vesinet, France. Flying apparatus. 1,836,617; Dec. 15.
Perrin, René. (See Mathieu, E., Perrin, Greffe, and Cavalieri.)
Perrin, René, Toulon, assignor to the State of France, represented by the Minister of the National Navy, Paris, France. Pressure fluid generator. 1,828,784; Oct. 27.
Perrin, Samuel G., Le Locle, assignor, by mesne assignments, to the firm Schwob Freres & Co., Societe Anonyme, La Chaux-de-Fonds, Switzerland. Watch-case. 1,793,414; Feb. 17.
Perrine, Emmett B., Los Angeles, Calif. Automatic fishing reel. 1,810,573; June 16.
Perrine, Lester E., assignor to General Motors Research Corporation, Detroit, Mich. Air valve carburetor. 1,805,453; May 12.
Perrot, Henri, Paris, France, assignor, by mesne assignments, to Bendix Aviation Corporation, New York, N. Y. Brake mechanism. 1,812,168; June 30.
Perrot, Henri, Paris, France, assignor, by mesne assignments, to Bendix Aviation Corporation, New York, N. Y. Brake-applying means. 1,816,155; July 28.
Perrot, Henri, Paris, France, and G. Calvignac, Mannheim, Germany, assignors, by mesne assignments, to Bendix Aviation Corporation, New York, N. Y. Brake. 1,809,568; June 9.
Perrot, Henri, Paris, France, assignor, by mesne assignments, to Bendix Aviation Corporation, New York, N. Y. Brake operating mechanism. 1,827,104; Oct. 13.
Perrot, Henri, Paris, France, assignor, by mesne assignments, to Bendix Aviation Corporation, New York, N. Y. Brake mechanism. 1,827,105; Oct. 13.
Perrot, Henri, Paris, France, assignor, by mesne assignments, to Bendix Aviation Corporation, New York, N. Y. Brake mechanism. 1,837,133; Dec. 15.
Perrott, George St. J., Pittsburgh, Pa., and M. Yablick, New York, N. Y., assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Purification of air to render the same suitable for breathing. 1,787,875; Jan. 6.
Perry, Arthur R., assignor to Grigsby-Grunow Company, Chicago, Ill. Vacuum tube apparatus. 1,822,370; Sept. 8.
Perry, Charles H., Miami, Fla. Sprinkler. 1,821,723; Sept. 1.
Perry, Edna A., executrix. (See Perry, Frederick H.)
Perry, Emanuel J., New Bedford, Mass., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Centrifugal extractor. 1,791,536; Feb. 10.
Perry, Emanuel J., New Bedford, Mass., assignor, by mesne assignments, to The American Laundry Machinery Company, Norwood, Ohio. Washing machine. 1,820,487; Aug. 25.
Perry, Emanuel J., New Bedford, Mass., assignor by mesne assignments, to The American Laundry Machinery Company, Norwood, Ohio. Washing machine. 1,820,488; Aug. 25.
Perry, Emanuel J., New Bedford, Mass., assignor, by mesne assignments, to The American Laundry Machinery Company, Norwood, Ohio. Fluid discharge control device. 1,820,489; Aug. 25.
Perry, Eugene L., West Orange, assignor to Wilbarton Ware, Inc., Kearney, N. J. Method and machine for making articles of pulp. 1,822,058; Sept. 8.
Perry, Fred D., East Bakersfield, Calif. Lid fastening device for shipping cases. 1,817,578; Aug. 4.
Perry, Frederick H., deceased; E. A. Perry, executrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating apparatus. 1,830,621; Nov. 3.
Perry, George A., assignor to Jones & Lamson Machine Company, Springfield, Vt. Taper turner. 1,812,366; June 30.
Perry, George E. (See Taylor, S. E., and Perry.)
Perry, Henry, Lakeland, Fla. Doorcheck. 1,788,587; Jan. 13.
Perry, Ira D., Chicago, Ill. Ignition lock and the like. 1,828,747; Oct. 27.
Perry, Ira D., Chicago, Ill., assignor to Perry Products, Inc., Elkhart, Ind. Antirattler for doors and the like. 1,828,120; Oct. 20.
Perry, John E., Youngstown, assignor to Valley Mould and Iron Corporation, Hubbard, Ohio. Core box for ingot molds. 1,814,185; July 14.
Perry, John E., Sharon, assignor to Valley Mould and Iron Corporation, Sharpsville, Pa. Ingot mold and making same. 1,828,200; Oct. 20.
Perry, John W., Wheeling, W. Va. Tin-pack handling mechanism. 1,824,228; Sept. 22.
Perry, Melvin W., Algoma, Wis. Edge-gluing machine. 1,796,764; Mar. 17.
Perry, Napoleon J., deceased, by May Hosiery Mills, assignee, Nashville, Tenn. Knitting machine. Re18,044; Apr. 14.
Perry, Napoleon J., deceased, by J. W. Martin, administrator, assignor to May Hosiery Mills, Nashville, Tenn. Stop mechanism for knitting machines. 1,803,558; May 5.
Perry, Ollie P., Jackson, Ky. Railway car brake. 1,806,214; May 19.
Perry Products, Inc. (See Perry, Ira D., assignor.)
Perry Robert S., Cave Springs, Ga. Control and treatment of fumes. 1,799,177; Apr. 7.
Perry, Victor E., St. Louis, Mo. Washout plug. 1,798,491; Mar. 31.
Perry, William A., Sidney, Ohio. Earthworking apparatus. 1,820,823; Aug. 25.
Perry, William M. (See Brewster, O. C., and Perry.)
Perry, William R., Columbus, assignor to Reeves Pulley Company, Columbus, Ind. Segregated drive for long conveyers. 1,808,738; June 2.
Perryman Electric Co. (See Perryman, George H., assignor.)
Perryman, George H., Teaneck, N. J., assignor to Perryman Electric Co., Inc. Direction finder. 1,791,973; Feb. 10.
Perser Corporation, The. (See Ives, Herbert E., assignor.)
Persico, Remigio, Pittsburgh, Pa. Partial self winding mechanism. 1,807,169; May 26.
Persky, Abraham S., Worcester, Mass. Tubular knitted fabric. 1,831,192; Nov. 10.
Person, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Pump. 1,832,788; Nov. 17.
Persons, Laurence M., Chicago, Ill. Packing for pumps. 1,787,700; Jan. 6.
Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Draft controller. 1,807,226; May 26.
Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Flexible packing. 1,808,786; June 9.
Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Forming bellows. 1,816,610; July 28.
Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Pressure control for automatic pumps. 1,826,089; Oct. 6.
Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Thermoelectric control valve. 1,826,151; Oct. 6.
Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Thermo-electric control valve. 1,831,464; Nov. 10.
Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Pump. 1,838,443; Dec. 29.
Persons-Majestic Manufacturing Company. (See Hall, George W., assignor.)
Persons-Majestic Manufacturing Company. (See Hammond, Elmer H., assignor.)
Pertz, Ewald, Blaukreuzhof, near Dinker, Germany. Apparatus for the determination of the damping capacity of materials. 1,831,320; Nov. 10.
Peru Basket Co. (See Wysong, Vern, assignor.)
Perugia, André, Paris, France. Manufacture of shoe uppers. 1,814,260; July 14.
Perugia, Andre, Paris, France, assignor to I. Miller & Sons, Inc., Long Island City, N. Y. Shoe closure. 1,798,271; Mar. 31.
Perun, Edward P., Toronto, Ohio. Cheese cutter. 1,827,164; Oct. 13.
Pesacov, Louis, New York, assignor to Quaker City Metal Products Corporation, Brooklyn, N. Y. Radiator cover. Des. 83,124; Jan. 20.
Pescara, Raul P., Paris, France. Air compressor. 1,798,697; Mar. 31.
Pescara, Raul P., Paris, France. Waste heat apparatus. 1,813,543; July 7.
Peskar, Emil, New York, N. Y. Hydraulic friction device for hoisting machines. 1,823,626; Sept. 15.
Pesola, Joe, Eureka, Calif. Mechanical saw. 1,783,008; Feb. 17.
Pessione, Luigi, Turin, Italy. Block for pavements and coverings. 1,812,711; June 30.
Pestak, Thomas G., assignor to The Wyoming Shovel Works, Wyoming, Pa. Shovel handle. 1,814,186; July 14.
Pestalozza, Ugo, assignor to Societa Italiana Pirelli, Milan, Italy. Manufacture of rubber goods. 1,792,702; Feb. 17.
Pétard, Daniel, Nice, France. Corn removing device. 1,817,579; Aug. 4.
Petch, Herbert S., London, and E. L. E. Wheatcroft, Cambridge, England, assignors to General Electric Company. Telemetric system. 1,834,800; Dec. 1.
Pete, Leslie H., E. W. Challans, and R. M. MacGregor, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Electric relay. 1,804,431; May 12.
Peteler, Adolph, Freeport, assignor to Thomas Howe, White Plains, N. Y. Adjusting means. 1,792,508; Feb. 17.
Peter, Adolf, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Meter calibrating apparatus. 1,838,960; Dec. 29.
Peter, Bernard H., London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 1,821,029; Sept. 1.
Peter, Kurt, Clifton, N. J. Revolving valve for combustion engines. 1,796,045; Mar. 10.
Peter, Leslie H., London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Track signaling system for railways and the like. 1,792,602; Feb. 17.
Peter, Leslie H., London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for rectifying alternating electric currents. 1,795,438; Mar. 10.

Peter, Leslie H., London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Current-rectifying apparatus. 1,797,587; Mar. 24.
Peter, Leslie H., London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for rectifying alternating electric currents. 1,833,332; Nov. 24.
Peter, Wilhelm, Edenkoben, Pfalz, Germany. Device for passing cables through the roofs of buildings. 1,795,232; Mar. 3.
Peter, William J., assignor, by mesne assignments, to Aqua Systems Incorporated, New York, N. Y. Liquid dispenser. 1,798,805; Mar. 31.
Peterman, Ralph B., Lansing, and F. V. Stevenson, East Lansing, Mich. Weighted pin for draperies, curtains, and the like. 1,828,678; Oct. 20.
Peters, Albert. (See Kloss, U., Peters, and Krüger.)
Peters, Albert G., Geraldine, Mont. Antiglare shield. 1,813,881; July 7.
Peters, Anthony W., West Roxbury, assignor of one-half to Donald L. Whittemore, West Newton, Mass. Edge binding. 1,803,285; Apr. 28.
Peters, Anton, Everett, Wash. Apparatus for the recovery of meat from backbones of fishes. 1,793,189; Feb. 17.
Peters, Arthur C., assignor to Cinch Manufacturing Corporation, Chicago, Ill. Stud and grommet fastener. 1,803,485; May 5.
Peters, Arthur E., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Drill sharpener. 1,812,304; June 30.
Peters, Carl A., Mead, Colo. Manure loader. 1,821,074; Sept. 1.
Peters Cartridge Company, The. (See Holden, C. L., and Quayle, assignors.)
Peters Cartridge Company, The. (See Peck, Harley T., assignor.)
Peters Cartridge Company, The. (See Quayle, Philip P., assignor.)
Peters, Charles L. (See Hunt, F. E., and Peters.)
Peters, Claudius, Hamburg, Germany. Pulverizing mill. 1,822,999; Sept. 15.
Peters, Cornelius A., assignor of one-half to C. J. Depew, Minneapolis, Minn. Agricultural implement. 1,833,036; Nov. 24.
Peters, Daniel. (See Von Keussler, O., and Peters.)
Peters, Edgar E. (See Young, C. A., and Peters.)
Peters, Elmer, Richmond Hill, N. Y., assignor to Kent Machine Works, Inc. Tension device for paint mills. 1,798,627; Mar. 31.
Peters, Frank A. (See Sawyer, Simeon L., assignor.)
Peters, Frank R., assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive booster entraining and idling mechanism. 1,813,421; July 7.
Peters, Frank R., assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive booster. 1,832,137; Nov. 17.
Peters, Frank R., assignor to Franklin Railway Supply Company, New York, N. Y. Selective controlling a plurality of locomotive booster motors. 1,838,703; Dec. 29.
Peters, Frebert J., assignor to The National Automatic Tool Company, Richmond, Ind. Drafting machine. 1,805,740; May 19
Peters, Frederick J., Babylon, N. Y. Bowl or like article. Des. 85,392; Oct. 20.
Peters, Frederick J., Babylon, N. Y. Pitcher or like article. Des. 85,393; Oct. 20.
Peters, Frederick W., assignor to The Al-Metal Universal Joint Company, Cleveland, Ohio. Flexible coupling. 1,791,763; Feb. 10.
Peters, Frederick W., assignor to The Almetal-Universal Joint Company, Cleveland, Ohio. Universal joint. 1,795,264; Mar. 3.
Peters, G. D., & Company. (See Hockley, Horace R., assignor.)
Peters, George E. (See Russell, L. E., and Peters.)
Peters, George E., administrator. (See Young, C. A., and Peters.)
Peters, H. W., Co., Inc. (See Peters, Henry W., assignor.)
Peters, Henry, Clifton, N. J. Stocking. Des. 84,364; June 9.
Peters, Henry, Clifton, N. J. Stocking. Des. 84,365; June 9.
Peters, Henry, Clifton, N. J. Stocking. Des. 84,366; June 9.
Peters, Henry, Clifton, N. J. Stocking. Des. 84,367; June 9.
Peters, Henry, Clifton, N. J. Stocking. Des. 84,368; June 9.
Peters, Henry, Clifton, N. J. Stocking. Des. 84,435; June 16.
Peters, Henry, Clifton, N. J. Stocking. Des. 84,436; June 16.
Peters, Henry, Clifton, N. J. Stocking. Des. 84,951; Aug. 25.
Peters, Henry, Clifton, N. J. Stocking. Des. 84,952; Aug. 25.
Peters, Henry, Clifton, N. J. Stocking. Des. 83,210; Feb. 3.
Peters, Henry, Clifton, N. J. Stocking. Des. 85,542; Nov. 10.
Peters, Henry, Clifton, N. J. Stocking. Des. 85,543; Nov. 10.
Peters, Henry, Clifton, N. J. Stocking. Des. 85,544; Nov. 10.
Peters, Henry M., Chicago, assignor to Farles Manufacturing Company, Decatur, Ill. Display stand. 1,807,493; May 26.
Peters, Henry W., Boston, Mass. Finger ring and the like. 1,810,850; June 16.
Peters, Henry W., Boston, Mass. Making finger rings and the like. 1,815,988; July 28.
Peters, Henry W., Boston, Mass. Finger ring and the like. 1,828,616; Oct. 20.
Peters, Henry W., Boston, Mass. Key charm. 1,828,617; Oct. 20.
Peters, Henry W., assignor to H. W. Peters Co. Inc., Boston, Mass. Article of jewelry. 1,810,291; June 16.
Peters, Holland S., Richmond, Ohio. Cable-winding device. 1,799,022; Mar. 31.
Peters, Johannes P., Rotterdam, Netherlands. Method and apparatus for working, molding, or shaping dough or the like plastic substances. 1,792,443; Feb. 10.
Peters, John F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrostatic transformer. 1,809,285; June 9.
Peters, John F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical control system. 1,819,260; Aug. 18.
Peters, John F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,819,261; Aug. 18.
Peters, John F., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective relay system. 1,831,636; Nov. 10.
Peters, John F., Rochester, assignor to American Can Company, New York, N. Y. Collar and can assembling machine. 1,834,107; Dec. 1.
Peters, John F., Rochester, N. Y., assignor to American Can Company, New York, N. Y. Process and apparatus for making cans. 1,835,181; Dec. 8.
Peters, John F., Edgewood Park, and J. L. Rylander, Irwin, Pa., assignors to Westinghouse Electric and Manufacturing Company. High-frequency testing apparatus. 1,792,320; Feb. 10.
Peters, Kurt A., San Francisco, Calif. Molding machine for concrete steps. 1,792,549; Feb. 17.
Peters, Leonard W., Duluth, Minn. Fence post clamp. 1,814,228; July 14.
Peters, Leslie E., San Francisco, Calif. Check valve for heating apparatus. 1,792,509; Feb. 17.
Peters, Leslie E., San Francisco, Calif. Water heater. 1,835,329; Dec. 8.
Peters, Leslie E., San Francisco, Calif. Fuel control means for heating apparatus. 1,835,330; Dec. 8.
Peters, Orville B., Winnipeg, Manitoba, Canada. Controlling device for locomotive or engine bells. 1,806,215; May 19.
Peters, Oscar, Chemnitz, Germany. Membrane-decanting siphon with device for protection of rubber membranes. 1,799,023; Mar. 31.
Peters, Oscar M., Waynesboro, Pa. Nonskid attachment for vehicle wheels. 1,809,354; June 9.
Peters, Peter N., Brooklyn, N. Y. Shock absorber. 1,790,169; Jan. 27.
Peters, Peter N., Brooklyn, N. Y. Razor. 1,821,574; Sept. 1.
Peters, Reginal F., and G. L. Davis, Springfield, Mo. Grinding machine. 1,800,102; Apr. 7.
Peters, Spencer M., and A. B. Rochester, Springfield, Ill.; said Rochester assignor to said Peters. Adjustable automatic folding platform for stepladders. 1,817,760; Aug. 4.
Peters, Spencer M., and A. B. Rochester, Springfield, Ill., said Rochester assignor to said Peters. Stepladder joint and shelf-support. 1,821,075; Sept. 1.
Peters, Spencer M., and A. B., Rochester, Springfield, Ill.; said Rochester assignor to said Peters. Replaceable ladder rung. 1,823,509; Sept. 15.
Peters, Spencer M., and A. B. Rochester, Springfield, Ill.; said Rochester assignor to said Peters. Extension ladder hook. 1,823,510; Sept. 15.
Peters, Stanley E., Chicago, Ill. Check protector. 1,825,014; Sept. 29.
Peters, Thomas K., Los Angeles, Calif., assignor to Color-Ray Holding Corporation, Denver, Colo. Luminous tube. 1,813,759; July 7.
Peters, William A., jr., Seattle, Wash., assignor to E. B. Badger & Sons Company, Boston, Mass. Distillation of mineral oils. 1,815,129; July 21.
Peters, William A., jr., Seattle, Wash., assignor to E. B. Badger & Sons Company, Boston, Mass. Apparatus for maintaining a constant flow of variable liquid residue from vaporizers. 1,837,834; Dec. 22.
Peterkin, Albert G., jr., Bryn Mawr, assignor to The Atlantic Refining Company, Philadelphia, Pa. Refining hydrocarbon oils. 1,810,369; June 16.
Peterman, Albert J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing construction. 1,813,315; July 7.
Petersen, Anker, Quincy, Mass. Braiding machine. 1,796,938; Mar. 17.
Petersen, Antonettie M. E. (See Petersen, Nels P., assignor.)
Petersen, Arthur G., Brooklyn, N. Y. Steering control for aeroplanes. 1,811,149; June 23.

Petersen, August, Compton, Calif. Wave motor. 1,796,618; Mar. 17.
Petersen, Axel C. G. (See Poulsen, A., and Petersen.)
Petersen, Carl J., Brooklyn, N. Y. Dish washing apparatus. 1,831,684; Nov. 10.
Petersen, Carl M., assignor to Circle F Mfg. Co., Trenton, N. J. Multiple-control switch. 1,787,915; Jan. 6.
Petersen, Carl M., assignor to Circle F Mfg. Co., Trenton, N. J. Snap switch—surface type. 1,801,173; Apr. 14.
Petersen, Carl M., assignor to Circle F Mfg. Co., Trenton, N. J. Pull switch candelabrum socket. 1,821,030; Sept. 1.
Petersen, Carl M., assignor to Circle F Mfg. Co., Trenton, N. J. Flush receptacle. 1,821,031; Sept. 1.
Petersen, Carl M., assignor to Circle F Mfg. Co., Trenton, N. J. Candelabrum socket. 1,833,721; Nov. 24.
Petersen, Carsten. (See Millermaster, R. A., and Petersen.)
Petersen, Christ O., Anthon, Iowa. Antiside slip attachment for corn planters. 1,812,663; June 30.
Petersen, Christ O., Anthon, Iowa. Antiside slipping attachment. 1,831,576; Nov. 10.
Petersen, Christian, Portland, Me. Stilts. 1,791,324; Feb. 3.
Petersen, Edgar G. (See Beach, F. E., and Petersen.)
Petersen, Edgar G., assignor to Pines Winterfront Company, Chicago, Ill. Tire lock. 1,801,977; Apr. 21.
Petersen, Edward, Des Moines, Iowa. Camping device for motor vehicles. 1,829,056; Oct. 27.
Petersen, Edwin S., Chicago Heights, Ill., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Mechanism for synchronizing the feeding and cutting of sheet material. 1,788,122; Jan. 6.
Petersen, Heinrich A. W., Gary, Ind. Safety device for multiple control mechanism. 1,817,204; Aug. 4.
Petersen, Hugo, Berlin-Steglitz, Germany. Manufacture of sulphuric acid. 1,810,253; June 16.
Petersen, Irnfried, Wolfen, near Bitterfeld, and Curt Engelbrecht, Dessaun-in-Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Separating formic acid from acetic acid. 1,813,636; July 7.
Petersen, John D., Detroit, Mich. Brake indicator. 1,801,878; Apr. 21.
Petersen, John W., and E. Bevard, Estherville, Iowa. Shield attachment for claw bars. 1,815,114; July 21.
Petersen, Leslie T., Denison, Iowa. Single hog-feeding trough. 1,798,984; Mar. 31.
Petersen, Leslie T., Denison, Iowa. Twin hog trough. 1,829,108; Oct. 27.
Petersen, Louis S., Elizabeth, N. J., assignor to F. L. Smidth & Co., New York, N. Y. Rotary kiln 1,796,664; Mar. 17.
Petersen, Louis S., assignor to F. L. Smidth & Co., New York, N. Y. Rotary kiln and cooler. 1,830,959; Nov. 10.
Petersen, Martin J., Canyon, Minn. Trap. 1,826,569; Oct. 6.
Petersen, Nels P., assignor to Antonettie M. E. Petersen, Los Angeles, Calif. Fruit vending machine. 1,816,341; July 28.
Petersen, Ove, Copenhagen, Denmark. Double-acting internal-combustion engine. 1,792,444; Feb. 10.
Petersen, Ove, Hellerup, near Copenhagen, Denmark. Fuel valve with annular seat. 1,821,272; Sept. 1.
Petersen, Ove, Hellerup, near Copenhagen, Denmark. Reversing gear for internal combustion engines. 1,837,171; Dec. 15.
Petersen Oven Company, The. (See Cryns, Josef, assignor.)
Petersen Oven Company, The. (See Hoppe, F. A., and Cyrns, assignors.)
Petersen Oven Company, The. (See Mueller, William L., assignor.)
Petersen Oven Company, The. (See Petersen, William F., assignor.)
Petersen, Reinholdt, Fairlawn, and R. E. Farmer, Akron, Ohio; said Farmer assignor to said Petersen. Self-locking paper slide box. 1,825,158; Sept. 29.
Petersen, Samuel, et al. (See Cavert, Edward N., assignor.)
Petersen, Svend, Askov, Minn. Mail box attachment. 1,823,759; Sept. 15.
Petersen, Victor, Omaha, Nebr. Door silencer device. 1,816,024; July 28.
Petersen, Waldemar, Berlin, and Richard Tröger., Berlin-Zehlendorf., Germany, assignor to General Electric Company. Steam generating plant for the generation of high pressure steam. 1,816,793; July 28.
Petersén, Wilhelm H., assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Contact device for electric circuit breakers. 1,806,117; May 19.
Petersen, William F., assignor to The Petersen Oven Company, Chicago, Ill. Steam generator for ovens. 1,792,465; Feb. 10.
Petersime, Ira M., Gettysburg, Ohio. Baking oven. 1,803,975; May 5.
Petersime, Ira M., Gettysburg, Ohio. Folding walker. 1,824,406; Sept. 22.
Peterson, Adolphe C., Minneapolis, Minn. Multiple-cycle engine. 1,792,028; Feb. 10.
Peterson, Adolphe C., Minneapolis, Minn. Automotive speed controlling means. 1,801,366; Apr. 21.
Peterson, Adolphe C., Minneapolis, Minn. Four cycle balanced valve engine. 1,801,367; Apr. 21.
Peterson, Adolphe C. Minneapolis, Minn. Photographic recording apparatus. 1,808,118; June 2.
Peterson, Adolphe C., Minneapolis, Minn. Multiple cylinder engine. 1,825,417; Sept. 29.
Peterson, Albin K., assignor, by mesne assignments, to J. Kreutzer Corporation, Los Angeles, Calif. Aircraft. 1,796,765; Mar. 17.
Peterson, Alfred, Denver, Colo. Apparatus for gluing backs on to books. 1,810,223; June 16.
Peterson, Alfred J. A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic station control. 1,789,155; Jan. 13.
Peterson, Alfred J. A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter control system. 1,811,476; June 23.
Peterson, Axel, Minneapolis, Minn. Sawing machine. 1,826,222; Oct. 6.
Peterson, Axel, and W. Paris, New York, N. Y. Hair-cutting garment. 1,793,243; Feb. 17.
Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Warping apparatus. 1,790,318; Jan. 27.
Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Warping apparatus. 1,790,553; Jan. 27.
Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Ball warper. 1,833,495; Nov. 24.
Peterson, Burt A., and B. Marcellus, assignors to H. D. Colman, Rockford, Ill. Portable electric fan. Des. 83,829; Mar. 31.
Peterson, Carl, Roslindale, assignor to George Lawrence, Cambridge, Mass. Spring forming machine. 1,801,820; Apr. 21.
Peterson, Carl E., Upper Montclair, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Slide. 1,827,331; Oct. 13.
Peterson, Carl G., East Providence, R. I. Motor. 1,788,324; Jan. 6.
Peterson, Carl O., Essex, Iowa. Alarm switch. 1,821,318; Sept. 1.
Peterson, Charles A., assignor to The Peterson Nut Company, Cleveland, Ohio. Display rack. Des. 85,303; Oct. 6.
Peterson, Charles James, et al. (See Hixon, R. M., Peterson, and Werkman.)
Peterson, Charles W., Cincinnati, Ohio. Loud-speaker-driving motor. 1,797,965; Mar. 24.
Peterson, Charles W., Cincinnati, Ohio. Loud speaker motor. 1,806,914; May 26.
Peterson, Charles W., Cincinnati, Ohio. Conical diaphragm for loud speakers. 1,819,987; July 28.
Peterson, Christ H., Leland, Iowa. Anticlogging device for corn pickers. 1,821,985; Sept. 8.
Peterson, Clarence E., Benton Harbor, Mich. Automatic heat trap. 1,837,581; Dec. 22.
Peterson, Clarence R., jr., Pelham Manor, N. Y. Roadbed constructions for toy railways. 1,800,056; Apr. 14.
Peterson, Claus G. (See Wernmark, Carl G., assignor.)
Peterson, Clifford E., Asheville, N. C., assignor to The Champion Fibre Company, Canton, N. C. Specific digestion procedure and apparatus for use in the production of chemical wood pulp. 1,792,703; Feb. 17.
Peterson, Edward H. (See McNaught, N. F., and Peterson.)
Peterson, Edward S., Elmwood Park, and L. L. Ruggles, Wheaton, Ill., assignors to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,801,368; Apr. 21.
Peterson, Edward T., Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Straightening machine. 1,807,324; May 26.
Peterson, Edward T., Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Plate piling machine. 1,811,593; June 23.
Peterson, Edward T., Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Plate turnover mechanism. 1,828,909; Oct. 27.
Peterson, Edward T., Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Hotbed. 1,834,728; Dec. 1.
Peterson, Edwin A., St. Paul, Minn., assignor to Edison Electric Appliance Company, Inc., Chicago, Ill. Flatiron. 1,795,180; Mar. 3.
Peterson, Elmer C. (See Blossom, C. W., and Peterson.)
Peterson, Elmer C., assignor to The Blossom Lock Company, Cleveland, Ohio. Vehicle locking mechanism. 1,820,491; Aug. 25.
Peterson, Elwin L., Riverside, Calif. Speed regulating system. 1,819,439; Aug. 18.
Peterson, Emil F., and S. A. Petterson, Brooklyn, N. Y. Heel brace or support. 1,830,334; Nov. 3.
Peterson, Esther C. (See Dantzig, T., and Peterson.)
Peterson, Eugene, assignor to Western Electric Company, Incorporated, New York, N. Y. Wave modulation and applications thereof. 1,810,326; June 16.
Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for reducing crosstalk currents. 1,811,963; June 30.
Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifying system. 1,821,076; Sept. 1.
Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave limiting device. 1,830,240; Nov. 3.

Peterson, Eugene, New York, N. Y. and H. P. Evans, Madison, Wis., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vacuum-tube circuits. 1,800,901; Apr. 14.
Peterson, Floyd B. (See Beimling, W. A., and Peterson.)
Peterson, Fred, et al. (See Cooper, John, assignor.)
Peterson, Gonerd W., et al. (See Testa, Joseph A., assignor.)
Peterson, Gunnard P., Naugatuck, Conn., assignor to Firestone Footwear Company, Hudson, Mass. Separable fastener. 1,820,089; Aug. 25.
Peterson, Guy M., assignor to Cheney Bigelow Wire Works, Springfield, Mass. Fourdrinier wire fabric. 1,800,872; Apr. 14.
Peterson, Guy S., East Cleveland, assignor to The Strong, Carlisle and Hammond Company, Cleveland, Ohio. Resistance furnace. 1,834,640; Dec. 1.
Peterson, Harold O. (See Beverage, H. H., and Peterson.)
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Signaling by frequency modulation. 1,789,371; Jan. 20.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Electromechanical vibrator. 1,790,355; Jan. 27.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Short-wave reception. 1,794,730; Mar. 3.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Antenna. 1,821,402; Sept. 1.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Tuning means. 1,823,666; Sept. 15.
Peterson, Harry W., Detroit, Mich. Unloading device. 1,808,862; June 9.
Peterson, Henry G., et al. (See Testa, Joseph A., assignor.)
Peterson, Johann G., West Hartford, Conn. Electric switch. 1,815,633; July 21.
Peterson, Johann G., West Hartford, Conn. Electric switch. 1,815,634; July 21.
Peterson, Johann G., West Hartford, Conn. Electric switch. 1,815,635; July 21.
Peterson, Johann G., West Hartford, Conn. Electrical connecting plug. 1,837,170; Dec. 15.
Peterson, John, St. Paul, Minn. Boxing toy. 1,824,790; Sept. 29.
Peterson, John C., and L. B. Nashold, Jamestown, N. Dak. Snowplow. 1,834,176; Dec. 1.
Peterson, John E., Irvington, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Expansion rollers. 1,799,603; Apr. 7.
Peterson, John E., Irvington, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Button breaker roller. 1,823,627; Sept. 15.
Peterson, John E., Irvington, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Grinding machine. 1,831,970; Nov. 17.
Peterson, John E., Irvington, assignor to Van Vlaanderen Machine Company, Paterson, N. J. Tentering clip. 1,832,420; Nov. 17.
Peterson, John E., Irvington, N. J., assignor to Van Vlaanderen Machine Company, Paterson, N. J. Reel. 1,836,936; Dec. 15.
Peterson, John H., Birmingham, Ala. Gateway road sign. Des. 83,125; Jan. 20.
Peterson, John H., Silver City, Iowa. Hydraulic brake for vehicles. 1,788,690; Jan. 13.
Peterson, John H., Cathay, N. Dak. Grain drier and grader. 1,802,476; Apr. 28.
Peterson, John K. (See Paulson, George W., assignor.)
Peterson, John W., Sioux City, Iowa. Shaving mug. 1,815,482; July 21.
Peterson, John W., South Bend, assignor to Bendix Brake Company, South Bend, Ind. Brake adjusting fixture. 1,812,018; June 30.
Peterson, John W., assignor to Bendix Brake Company, South Bend, Ind. Brake shoe and making same. 1,818,090; Aug. 11.
Peterson, Joseph A. (See Sorensen, S., and Peterson.)
Peterson, Joseph A., assignor to Gearench Manufacturing Company, Houston, Tex. Tong. 1,788,169; Jan. 6.
Peterson, Joseph A., and C. E. Olsen, Houston, Tex. Supporting tongs and the like. 1,831,259; Nov. 10.
Peterson, Logan S., McKeesport, Pa. Hedge trimmer. 1,806,116; May 19.
Peterson, Nels, Delano, Calif. Valve lifter. 1,836,334; Dec. 15.
Peterson, Nels V., Knox, Ind. Nest. 1,807,253; May 26.
Peterson Nut Company, The. (See Peterson, Charles A., assignor.)
Peterson, Oscar F., Duluth, Minn. Clippers. 1,822,311; Sept. 8.
Peterson, Per A., New York, N. Y. Aeroplane. 1,819,262; Aug. 18.
Peterson, Ralph Elbe, Wash. Supporting bracket. 1,805,784; May 19.
Peterson, Rolland E. (See Lorig, E. T., and Peterson.)
Peterson, Rolland E., Gary, Ind. Opener for metal packs. 1,790,878; Feb. 3.
Peterson, Roy A., et al. (See States, Charles G., assignor.)
Peterson, Roy E., East Norwalk, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Stapling machine. 1,807,170; May 26.
Peterson, Roy E., East Norwalk, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Stapling machine. 1,810,528; June 16.
Peterson, Roy E., East Norwalk, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Rotary anvil for stapling machines. 1,826,632; Oct. 6.
Peterson, Walter C., Chicago, Ill. Device for practicing harmonica technique. 1,797,613; Mar. 24.
Peterson, Walter E., Inglewood, and D. A. Morton, El Segundo, assignors to Standard Oil Company of California, San Francisco, Calif. Tank cleaning device. 1,838,634; Dec. 29.
Peterson, Walter R., Park Ridge, Ill., assignor to International Harvester Company. Tractor disk harrow. 1,832,049; Nov. 17.
Peterson, Werner I. (See Benson, S. F., and Peterson.)
Peterson, William E., Sioux Falls, S. Dak. Combined display and storage unit. 1,824,683; Sept. 22.
Peterson, William R., Chicago, Ill., assignor to St. Regis Paper Company, New York, N. Y. Cut-off device for valve bag filling machine. 1,801,454; Apr. 21.
Peterson, William R., assignor, by mesne assignments, to Bates Valve Bag Corporation, Chicago, Ill. Automatic cement packing machine. 1,818,091; Aug. 11.
Peterson, William R., Chicago, Ill., assignor, by mesne assignments to St. Regis Paper Company, New York, N. Y. Apparatus for filling and weighing bags. 1,818,092; Aug. 11.
Peterson, William R., Chicago, Ill., assignor to St. Regis Paper Company, New York, N. Y. Feeding device for valve bags. 1,818,093; Aug. 11.
Peterson, William R., Chicago, Ill., assignor to St. Regis Paper Company, New York, N. Y. Shut-off device for bag filling machines. 1,818,094; Aug. 11.
Peterson, William R., Chicago, Ill., assignor to St. Regis Paper Company, New York, N. Y. Valve bag filling machine. 1,818,095; Aug. 11.
Peterson, William R., and N. E. Dorrington, Chicago, Ill., assignors to St. Regis Paper Company, New York, N. Y. Bag filling and discharging apparatus. 1,818,096; Aug. 11.
Petigor, Isidor F., New York, N. Y. Advertising device. 1,804,948; May 12.
Petit, Henry B., assignor to G. M. Holley, Detroit, Mich. Hot spot manifold. 1,818,270; Aug. 11.
Petit, Louis P., Granby, Quebec, Canada. Direction indicator for vehicles. 1,791,683; Feb. 10.
Petit, Raymond, assignor to Société Anonyme Francaise Dite: Bricard, Ancienne Maison Sterlin, Paris, France. Rotatable transmission irreversible in both directions. 1,810,851; June 16.
Petnel, Joseph A., Troy, N. Y. Gauge for the application of lip rouge. 1,818,863; Aug. 11.
Petrasch, Kurt. (See Kockritz, A. T., and Petrasch.)
Petre, Alexander P., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Packing. 1,801,688; Apr. 21.
Petre, John F., Farmingdale, N. Y. Removing water from motor boats. 1,813,255; July 7.
Petree & Dorr Engineers, Inc. (See Copp, Earle M., assignor.)
Petreke, Peter, Philadelphia, Pa. Necktie fastener. 1,789,836; Jan. 20.
Petrelli, Joseph V., New Rochelle, N. Y. Register or damper. 1,801,568; Apr. 21.
Petrelli, Joseph V., New Rochelle, N. Y. Register. 1,817,836; Aug. 4.
Petrelli, Joseph V., New Rochelle, N. Y. Pump. 1,818,097; Aug. 11.
Petri, Dixie W. (See Petri, Thomas C. and D. W.)
Petri, Gunther H., Brookline, Mass. Forming machine for plastic material. 1,817,643; Aug. 4.
Petri, Thomas C. and D. W., Nashville, Tenn. Ironing board. 1,827,670; Oct. 13.
Petrie, Edward R., assignor of one-half to N. M. Petrie, New York, N. Y. Closure cap and spout for oil cans. 1,831,423; Nov. 10.
Petrie, Frank N., Klamath Falls, Oreg. Fishing spinner. 1,822,785; Sept. 8.
Petrie, Nell M. (See Petrie, Edward R., assignor.)
Petrillo, Nicola C., St. Louis, Mo. Globe or shade holder. 1,789,342; Jan. 20.
Petritsch, Joseph, Chicago Heights, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Drawer construction. 1,823,285; Sept. 15.
Petro, Joseph J., New York, N. Y. Pocket cigarette case and dispenser. 1,815,069; July 21.
Petroe, Gregory A. (See Munson, H. D., and Petroe.)
Petroff, Grigori, assignor of one-half to N. Alexeeff, Moscow, Union of Socialist Soviet Republics. Wet spinning of flax, hemp, and other textile fibers. 1,789,414; Jan. 20.
Petroff, Metodi, et al. (See Vilfordi, George L., assignor.)
Petroleum Chemical Corporation. (See Brooks, B. T., and Cardarelli, assignors.)
Petroleum Chemical Corporation. (See Davis, Harold S., assignor.)
Petroleum Chemical Corporation. (See Davis, H. S., and Harford, assignors.)
Petroleum Chemical Corporation. (See Davis, H. S., and Murray, assignors.)
Petroleum Chemical Corporation. (See Norris, James F., assignor.)
Petroleum Conversion Corporation. (See Tolman, Charles P., assignor.)

Petroleum Derivatives Incorporated, of Maine. (See Ring, Frederick G., assignor.)
Petroleum Heat and Power Company. (See Frenier, Albert B., assignor.)
Petroleum Heat and Power Company. (See Macrae, James N., assignor.)
Petroleum Heat and Power Company. (See Macrae, J. N., and Packard, assignors.)
Petroleum Heat and Power Company. (See Whaley, Ralph S., assignor.)
Petroleum Iron Works Co. of Ohio, The. (See Shanor, Edgar E., assignor.)
Petroleum Laboratories, Inc. (See Vande Water, Frank C., assignor.)
Petroleum Rectifying Company. (See Eddy, Harold C., assignor.)
Petroleum Rectifying Company of California. (See Eddy, Harold C., assignor.)
Petroleum Rectifying Company of California. (See Eddy, William O., assignor.)
Petroleum Rectifying Company of California. (See Eddy, H. C., Worthington, and Mahone.)
Petroleum Rectifying Company of California. (See Fisher, Harmon F., assignor.)
Petroleum Rectifying Company of California. (See Fisher, H. F., Gassaway, and Van Loenen, assignors.)
Petroleum Rectifying Company of California. (See Fisher, H. F., and Woelflin, assignors.)
Petroleum Rectifying Company of California. (See Gassaway, Stephen G., assignor.)
Petroleum Rectifying Company of California. (See Girvin, Charles W., assignor.)
Petroleum Rectifying Company of California. (See Harris, Ford W., assignor.)
Petroleum Rectifying Company of California. (See Lawrason, Levering, assignor.)
Petroleum Rectifying Company of California. (See Van Loenen, William F., assignor.)
Petroleum Rectifying Company of California. (See Worthington, J. T., and Eddy, assignors.)
Petroleum Rectifying Company of California. (See Worthington, John T., assignor.)
Petroleum Rectifying Company of California. (See Worthington, Joseph L., assignor.)
Petrolo, Joseph, Republic, Pa. Table and lighting contrivance. 1,802,528; Apr. 28.
Petronio, Albert M. J. (See Girin, Antoine, assignor.)
Petrosky, John, Niles, Ohio. Toy. 1,811,022; June 23.
Petrowsky, Benjamin, Brooklyn, N. Y. Motion picture projection screen. 1,834,177; Dec. 1.
Petry & Brandt. (See Brandt, Rudolph, assignor.)
Petryl, August, Western Springs, Ill., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic easel. Des. 83,211; Feb. 3.
Petters Limited. (See Hill, Geoffrey T. R., assignor.)
Petterson, Sven A. (See Peterson, E. F., and Petterson.)
Petterson, Vicktor, Chicago, Ill. Time-controlled switch. 1,788,203; Jan. 6.
Pettersson, Carl G. (See Sjöman, C. F., and Pettersson.)
Pettersson, Oskar E., Karlskrona, Sweden. Apparatus for developing the muscles of the hand. 1,796,216; Mar. 10.
Pettibone, James E., University City, Mo. Toy highway. 1,829,963; Nov. 3.
Pettibone Mulliken Company. (See Andersen, Oscar W., assignor.)
Pettibone Mulliken Company. (See Enstrom, August, assignor.)
Pettibone Mulliken Company. (See Fundom, Earl H., assignor.)
Pettibone, Stanley A., assignor to The Mantle Lamp Company of America, Chicago, Ill. Chimney carton. 1,829,942; Nov. 3.
Pettibone, Stanley A., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp fixture. 1,830,072; Nov. 3.
Pettibone, Walter G., Wilmington, Calif. Filtering and cooling the smoke of tobacco pipes. 1,809,529; June 9.
Petticore, Anthony, Sedro, Woolley, Wash. Automatic switch electric sadiron. 1,825,919; Oct. 6.
Pettis, Clifton D., New York, N. Y. Brake-shoe construction. 1,787,547; Jan. 6.
Pettis, Clifton D., New York, N. Y. Brake shoe. 1,820,490; Aug. 25.
Pettit, Charles L., Brooklyn, assignor to De Pett Casement Corporation, New York, N. Y. Double glazed window. 1,792,550; Feb. 17.
Pettit, Ezra G., Crooksville, Ohio. Motor. 1,797,156; Mar. 17.
Pettit, James C., assignor of one-third to C. Mullinax, and one-third to B. Morris, Blackstone, Va. Shuttle for separators. 1,826,633; Oct. 6.
Pettus, Joseph H., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Melting pot. 1,813,196; July 7.
Petty, Edgar H. (See King, John M., assignor.)
Petty, Henry J., Jackson, Tenn. Agricultural implement. 1,799,061; Mar. 31.
Petty, Roy J. (See Wilson, T. C., and Petty.)
Petty, Vern R., Brooklyn, N. Y. Combined fuel measuring pump and fuel feed valve for internal combustion engines. 1,811,731; June 23.
Pettyjohn, Otwell G., Philadelphia, Pa. Burglar alarm. 1,830,560; Nov. 3.
Petzoldt, Kathe, Cleveland, Ohio. Hair fastener. 1,792,029; Feb. 10.
Pevely Dairy Company. (See Wasser, Joseph J., assignor.)
Pevere, Ernest F., Niagara Falls, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Making di-ammonium phosphate. 1,834,418; Dec. 1.
Peverley, Ralph St. L., Chester, England, assignor to H. H. Robertson Company, Pittsburgh, Pa. Frame for windows, skylights, and the like. 1,792,704; Feb. 17.
Pevsner, Joshua, Brooklyn, N. Y. Decorated transparent container. 1,824,229; Sept. 22.
Pew, Arthur E., jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Refining oil. 1,799,640; Apr. 7.
Pew, Arthur E., jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Dehydrating and purifying oil. 1,833,618; Nov. 24.
Pew, Arthur E., jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Dehydrating and purifying oil. 1,833,619; Nov. 24.
Pew, Arthur E., jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Preparing crude oil for distillation into lubricating oils. 1,833,691; Nov. 24.
Pew, Arthur E., jr., Bryn Mawr, and H. Thomas, Ridley Park, assignors to Sun Oil Company, Philadelphia, Pa. Tank for cracking mineral oil. 1,794,200; Feb. 24.
Pew, Arthur E., jr., Bryn Mawr, and H. Thomas, Ridley Park, assignors to Sun Oil Company, Philadelphia, Pa. Cracking mineral oil. 1,825,976; Oct. 6.
Pew, Arthur E., jr., Bryn Mawr, and H. Thomas, Ridley Park, assignors to Sun Oil Company, Philadelphia, Pa. Cracking mineral oil. 1,825,977; Oct. 6.
Pew, Arthur E., jr., Bryn Mawr, and H. Thomas, Ridley Park, assignors to Sun Oil Company, Philadelphia, Pa. Apparatus for cracking mineral oil. 1,831,424; Nov. 10.
Pew, John G., Media, Pa., assignor to Sun Shipbuilding and Dry Dock Company. Internal-combustion engine. 1,799,761; Apr. 7.
Pew, Joseph N., jr., Ardmore, and C. B. Bazzoni, Swarthmore, assignors, by mesne assignments, to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well survey recorder. 1,837,479; Dec. 22.
Peyinghaus, Walter, Bezirk Hagen, Germany. Lubricating axle bearings or journals. 1,789,255; Jan. 13.
Peyinghaus, Walter, Bezirk Hagen, Germany. Lubricating bearings. 1,797,791; Mar. 24.
Peyinghaus, Walter, Egge, near Volmarstein, Germany. Axle box for vehicles. 1,818,864; Aug. 11.
Peyton, Harold B., Jacksonville, Fla. Fireproof mail bag. 1,811,150; June 23.
Pfab, Walther, Bloomfield, N. J. Indicator. 1,800,748; Apr. 14.
Pfaff, Harry E., Warren, and G. E. Barhart, New Brighton, Pa. Composition shingle construction. 1,800,403; Apr. 14.
Pfaff, Henry C., assignor to Pfaff and Kendall, Newark, N. J. Signpost support. 1,799,314; Apr. 7.
Pfaff, Johann K., Uetze, Kreis Burgdorf, Hanover, and A. Siewecke, Kreis, Burgdorf, Hanover, assignors to the Firm Deutsche Gasolin Aktiengesellschaft, Berlin, Charlottenburg, Germany. Separation of oil from bleaching clay. 1,827,165; Oct. 13.
Pfaff and Kendall. (See Pfaff, Henry C., assignor.)
Pfaffinger, Frank, Chicago, Ill. Wrist pin cushion. 1,827,607; Oct. 13.
Pfalzische Chamotte-und Thonwerke (Schiffer & Kircher) Aktiengesellschaft. (See Strack, Otto, assignor.)
Pfannenstiel, Adolf, Berlin-Tempelhof, and H. Kautsky, Berlin-Charlottenburg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Catalyst for chemical reactions. 1,814,493; July 14.
Pfannenstiel, Hugo. (See Spengler, O., and Pfannenstiel.)
Pfanstiehl, Carl, Highland Park, Ill. Dental floss. 1,789,052; Jan. 13.
Pfanstiel, George L., Kansas City, Mo. Stripper for drum bodies. 1,790,554; Jan. 27.
Pfau, Anton, Portland, Oreg. Sawdust burner. 1,818,503; Aug. 11.
Pfaudler Co., The. (See Chormann, O. I., and Jacobsen assignors.)
Pfaudler Company, The. (See Colvin, I. E., Manison, and Walters, assignors.)
Pfaus, Fred, and R. S. Smith, Richmond, Va. Spectacle frame. 1,833,792; Nov. 24.
Pfauser, Edward M., assignor to Blackhawk Manufacturing Company, Milwaukee, Wis. Socket attachment for tools. 1,797,730; Mar. 24.
Pfauser, Edward M., assignor to The Blackhawk Manufacturing Company, Milwaukee, Wis. Socket wrench. 1,807,134; May 26.
Pfeifer, Albert, New York, N. Y. Cabinet. 1,811,732; June 23.
Pfeifer, Ferdinand A., assignor of forty-nine per cent to E. Craig, Springfield, Ohio. Circuit breaker and closer. Re18,091; June 2.
Pfeifer, Walter S., Milwaukee, Wis. Drier. 1,816,055; July 28.
Pfeifer, Walter S., Shorewood, Wis., assignor, by mesne assignments, to The Reliance Company, Wilmington, Del. Starting device for synchronous motors. Re18,000; Mar. 17.
Pfeifer, Walter S., assignor, by mesne assignments of one-half to L. Bradley and one-half to H. L. Bradley, Milwaukee, Wis. Motor starting switch. 1,812,712; June 30.

Pfeiffer, Benjamin S. (See Chase, S., 4th, Palm, and Pfeiffer.)

Pfeiffer, Charles G., assignor to Specialty Engineering Company, Philadelphia, Pa. Gravity conveyer. 1,802,089; Apr. 21.

Pfeiffer, Christian. (See Moore, F. T., and Pfeiffer.)

Pfeiffer, Christian, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Automatic firearm. 1,803,349; May 5.

Pfeiffer, Frank E. (See Stern, M. C., and Pfeiffer.)

Pfeiffer, Frank E., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 1,811,676; June 23.

Pfeiffer, Frank E., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 1,812,605; June 30.

Pfeiffer, Frank E., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 1,818,271; Aug. 11.

Pfeiffer, Frank E. and W. C., assignors to The Egry Register Company, Dayton, Ohio. Motor control and drive. 1,825,418; Sept. 29.

Pfeiffer, Fred B. (See Alexander, H. S., Pfeiffer, and White.)

Pfeiffer, Fred B., Akron, assignor to Seiberling Rubber Company, Barberton, Ohio. Mounting for calender knives. 1,798,806; Mar. 31.

Pfeiffer, Fred B., Akron, assignor to Seiberling Rubber Company, Barberton, Ohio. Fabric slitting machine. 1,810,677; June 16.

Pfeiffer, Fred B., Akron, assignor to Seiberling Rubber Company, Barberton, Ohio. Fabric slitting and strip edging apparatus. 1,817,929; Aug. 11.

Pfeiffer, Fred B., Akron, and J. W. White, Barberton, Ohio, assignors to Seiberling Rubber Company. Handling and separating sheet materials. 1,818,504; Aug. 11.

Pfeiffer, Grover F., Quincy, Ill., assignor to Moorman Manufacturing Company, Chicago, Ill. Preparation of mineral feeds. 1,825,475; Sept. 29.

Pfeiffer, Isadore F., Aurora, Ind. Pulverizing mill. 1,821,912; Sept. 1.

Pfeiffer, Johan P. (See Van Eyk, H. H. W., and Pfeiffer.)

Pfeiffer, Oswald, Leipzig, Germany. Drying apparatus. 1,790,764; Feb. 3.

Pfeiffer, Paul, Bonn-on-the-Rhine, Germany. Additive compound of diethyl barbituric acid and 4-dimethyl-amino-2.3-dimethyl-1-phenyl-5-pyrazolon. 1,808,994; June 9.

Pfeifer, Paul J., Cleveland Heights, assignor to The John C. Virden Company, Cleveland, Ohio. Globe holder. 1,829,572; Oct. 27.

Pfeiffer, Richard O., Newark, N. J. Selective valve for radiators. 1,789,082; Jan. 13.

Pfeiffer, Rudolf S. (See Chase, S., 4th, Palm, and Pfeiffer.)

Pfeiffer, Wilhelm, Kaaden-on-the-Eger, assignor of one-third to Kurt Reiss, Saaz-on-the-Eger, Czechoslovakia. Heating installation. 1,815,115; July 21.

Pfeiffer, William C. (See Pfeiffer, Frank E. and W. C.)

Pfetzer, Jakob, Kehl/Baden, Germany. Safety valve for boiling vessels. 1,811,151; June 23.

Pfister, Louis F., Linden, N. J., assignor to R. Hoe & Co., New York, N. Y. Inking mechanism. 1,801,935; Apr. 21.

Pfister, William A. (See Price, E., and Pfister.)

Pfizer, Charles & Company. (See Pasternack, R., and Brehmer, assignors.)

Pfizer, Charles, & Company. (See Pasternack, R., and Cragwall, assignors.)

Pflager, Harry M. (See Sheehan, W. M., and Pflager.)

Pflager, Harry M., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Locomotive trailer truck. 1,788,588; Jan. 13.

Pflager, Harry M., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Railway booster motor. 1,806,415; May 19.

Pflager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway car structure. 1,825,476; Sept. 29.

Pflager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway car structure. 1,836,187; Dec. 15.

Pflager, Harry M., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Tender structure. 1,836,389; Dec. 15.

Pflasterer, George R. (See Vantassel, H. C., and Pflasterer.)

Pflasterer, George R. (See Willard, P. F., and Pflasterer.)

Pflauder Company, The. (See Jacobsen, Jens N., assignor.)

Pfleger, Charles. (See Ross, Birton M., assignor.)

Pfleger, George T., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Cooling means for motors. 1,794,029; Feb. 24.

Pfleger, Johannes. (See Albert, A., and Pfleger.)

Pfleger, Johannes, assignor to Deutsche Gold & Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Manufacture of cyanogen formarylides. 1,813,760; July 7.

Pfleger, Johannes, Frankfort-on-the-Main, and E. Scheller, Lorsbach Taunus, Germany, assignors, by mesne assignments to The Roessler & Hasslacher Chemical Company. Preparation of alkali metal derivatives of organic compounds. 1,816,911; Aug. 4.

Pfleger, Kenneth W., Arlington, N. J., assignor to American Telephone and Telegraph Company. Transmission regulation in cable circuits. 1,835,080; Dec. 8.

Pfleger, Leonard A., South Bend, Ind. Educational device. 1,833,793; Nov. 24.

Pfleging, Frank W. (See Bettison, David C., assignor.)

Pfleiderer, Fritz. (See Kusche, W., Dahms, and Pfleiderer.)

Pfleiderer, Georg. (See Noack, E., Nitzschke, and Pfleiderer.)

Pfleiderer, Georg, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Electrode. 1,818,579; Aug. 11.

Pfleumer, Herman, Dresden-Loschwitz., F. Kruger, Dresden, and H. Oexmann, Berlin-Lichterfelde, Germany. Producing tablets of powdery material framed in metal. 1,822,172; Sept. 8.

Pflimlin, Jules. (See Gégauff, C., and Pflimlin.)

Pflimlin, Jules, Mulhouse, France. Drawing device for spinning frames and for preparing machinery. 1,809,251; June 9.

Pflimlin, Jules, Mulhouse, France. Drawing device for spinning frames and for preparing machinery. 1,809,252; June 9.

Pflueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 1,807,433; May 26.

Pflueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishhook. 1,820,887; Aug. 25.

Pflueger, Charles T., and W. L. Adams, assignors to The Enterprise Manufacturing Company, Akron, Ohio. Salt water reel. 1,832,421; Nov. 17.

Pflueger, Charles T., and W. L. Adams, assignors to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 1,836,869; Dec. 15.

Pflueger, Joseph E., deceased, Akron, Ohio, by The Enterprise Manufacturing Company, Akron, Ohio, assignee. Combined fishhook and weed guard. Re18,117; June 30.

Pflug, Hans. (See Wolman, K. H., and Pflug.)

Pflug, William W. (See Gillingham, C. A., and Pflug.)

Pflüger, Albert, and K. Haage, Esslingen-on-the-Neckar, Germany. Internal combustion engine. 1,834,729; Dec. 1.

Pforsich, Harry M., Montpelier, Ind., assignor to Hubbard & Company. Shovel. 1,800,749; Apr. 14.

Pfous, Frank, Coshocton, Ohio. Display stand. Des. 85,595; Nov. 17.

Phagans, Floyd O., Ryan, Okla. Device for teaching arithmetic. 1,829,295; Oct. 27.

Pfouts, Joan S., administratrix. (See Pfouts, Leroy S., assignor.)

Pfouts, Leroy S., deceased, by J. S. Pfouts, administratrix, assignor to The H. H. Miller Industries Company, Canton, Ohio. Freezing apparatus. 1,803,640; May 5.

Pfouts, Leroy S., assignor to The H. H. Miller Industries Company, Canton, Ohio. Freezing cylinder. 1,808,065; June 2.

Pfuderer, Carl A., Brooklyn, N. Y. Bookmark. 1,803,726; May 5.

Phan-Quang, Phuông, Omon, Cochin-China. Agricultural machine. 1,839,000; Dec. 29.

Pharr, Clyde, Nashville, Tenn. Bookholder. 1,827,166; Oct. 13.

Phare, Carl E., Portland, Oreg. Universal coupling between sections of coaster cars. 1,796,619; Mar. 17.

Phare, Clinton J., assignor to H. V. Bright, Cleveland, Ohio. Shock absorbing means for turnstiles. 1,808,373; June 2.

Pharr, William N., assignor of two-thirds to Hartsell Mills Company, Concord, N. C. Soluble tube for dyeing and bleaching. 1,810,057; June 16.

Phelan, John A., assignor to E. B. Knowles, Galveston, Tex. Flame shield. 1,789,772; Jan. 20.

Phelan, John J., Troy, N. Y., assignor to General Electric Company. Brazing flux. 1,835,965; Dec. 8.

Phelan, Lawrence T., Philadelphia, Pa. Volume control. 1,809,530; June 9.

Phelan, Louis A. M., Elkhart, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical apparatus. 1,826,571; Oct. 6.

Phelan, Louis A. M., Elkhart, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Oscillating electric motor. 1,838,152; Dec. 29.

Phelan, Louis A. M., Chicago, Ill., and P. S. Bear, Elkhart, Ind., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical switch. 1,826,570; Oct. 6.

Phelan, Louis A. M., and P. S. Bear, Elkhart, Ind., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical device. 1,826,572; Oct. 6.

Phelan, Louis F., Stonington, Conn. Winding machine attachment. 1,805,595; May 19.

Phelan, Robert E., S. P. Lowe, A. B. Clampitt, H. T. Koenig, and O. A. Fischer, Denver, Colo., assignors to R. H. Channing, jr., agent, San Francisco, Calif. Sulphide ore treatment. 1,801,105; Apr. 14.

Phelps, Alva W., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Assembling press. 1,795,141; Mar. 3.
Phelps, Alva W., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Metal shearing apparatus. 1,807,671; June 2.
Phelps, Alva W., and N. L. Penn, assignors to Delco-Remy Corporation, Anderson, Ind. Assembling machine. 1,817,462; Aug. 4.
Phelps, Alva W., and C. J. Keller, assignors to Delco-Remy Corporation, Anderson, Ind. Conductor splicing machine. 1,836,497; Dec. 15.
Phelps, Alva W., and N. L. Penn, assignor to Delco-Remy Corporation, Anderson, Ind. Rivet setting machine. 1,839,048; Dec. 29.
Phelps, Boyd, Grasmere, Staten Island, N. Y., assignor, by mesne assignments, to R. E. Thompson Manufacturing Company. Controlling or preventing oscillations in vacuum tube circuits. 1,829,013; Oct. 27.
Phelps, Clyde H., Binghamton, N. Y., assignor, by mesne assignments, to Accurometer Mfg. Co., Inc. Axle level. 1,821,319; Sept. 1.
Phelps, Clyde H., Mount Vernon, N. Y., assignor, by mesne assignments, to himself and F. E. Arrigoni. Tool for measuring the casters of axles. 1,837,670; Dec. 22.
Phelps Dodge Corporation. (See Ayer, F., and Crowfoot, assignors.)
Phelps, George H. (See Murray, T. E., jr., and Phelps.)
Phelps, George H., Floral Park, N. Y., assignor, by mesne assignments, to Murray Radiator Corporation. Radiator. 1,793,244; Feb. 17.
Phelps, George H., Warehouse Point, Conn., assignor, by mesne assignments, to Metropolitan Engineering Company. Indicating electric-welding and similar operations. 1,793,245; Feb. 17.
Phelps, George H., Warehouse Point, Conn., assignor, by mesne assignments, to Metropolitan Engineering Company. Refrigerating machine. 1,794,030; Feb. 24.
Phelps, George H., Warehouse Point, Conn., assignor, by mesne assignments, to Metropolitan Engineering Corporation. Welded cast iron articles and method. 1,802,778; Apr. 28.
Phelps, James W., Melrose, assignor to Stowe & Woodward Company, Newton Upper Falls, Mass. Mechanism for typesetting machines. 1,795,736; Mar. 10.
Phelps, John S., Whittier, Calif. Stamping machine for conveyers. 1,810,327; June 16.
Phelps, John S., Whittier, Calif. Box stamping machine. 1,816,493; July 28.
Phelps, John S., Whittier, Calif. Machine for stamping rear ends of boxes. 1,838,153; Dec. 29.
Phelps, Joseph, North Caldwell, N. J., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,799,389; Apr. 7.
Phelps, Joseph, North Caldwell, N. J., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,817,038; Aug. 4.
Phelps, Joseph, Stamford, Conn., assignors to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,820,542; Aug. 25.
Phelps, Joseph, North Caldwell, N. J., assignor to Remington Typewriter Company, Ilion, N. Y. Mounting for line spacing levers. 1,831,364; Nov. 10.
Phelps, Oliver J., and D. F. Eastburn, Salem, Oreg. Spice can rack. 1,824,230; Sept. 22.
Phelps, Roscoe G., Cleveland, Ohio, assignor to General Electric Company. Method and apparatus for making incandescent lamps and similar articles. 1,788,957; Jan. 13.
Phelps, Roscoe G., Cleveland, Ohio, assignor to General Electric Company. Incandescent lamp and similar device. 1,795,181; Mar. 3.
Phelps, Stuart M., Pittsburgh, Pa. Ceramic. 1,832,913; Nov. 24.
Phelps, Stuart M., Pittsburgh, Pa., assignor to American Refractories Institute. Brick meter. 1,806,118; May 19.
Phelps, Stuart M., Pittsburgh, Pa., and MacD. C. Booze, Wyoming, Ohio, assignors to American Refractories Institute, Pittsburgh, Pa. Refractory. 1,788,123; Jan. 6.
Phelps, Walter A. (See Jones, T. A., and Phelps.)
Phelps, Will E., Cleveland Heights, Ohio. Traffic signal indicator for automobiles. 1,826,090; Oct. 6.
Phelps, William J., West Hartford, Conn. Apparatus for operating doors. 1,830,241; Nov. 3.
Phenix, William D., assignor of one-half to M. C. Sprinkle, Canton, N. C. Ice-splitting machine. 1,795,142; Mar. 3.
Phibbs, Richard P., South Amboy, N. J. Duplicating machine. 1,823,952; Sept. 22.
Phifer, Oscar W., Topeka, Kans. Concrete-hopper-valve measuring device. 1,799,928; Apr. 7.
Phifer, Oscar W., Topeka, Kans. Lubricant level gauge. 1,802,124; Apr. 21.
Phiffer, Willard L., Horton, Kans. Outlet box. 1,820,824; Aug. 25.
Philadelphia Drying Machinery Company, The. (See Allsop, Thomas, assignor.)
Philadelphia Drying Machinery Company, The. (See Sibson, Walter W., assignor.)
Philadelphia Ice Cream Cone Machinery Company. (See Brezin, Joseph, assignor.)
Philadelphia Lawn Mower Company. (See Coldwell, Harry T., assignor.)
Philadelphia Lawn Mower Company. (See Hessenbruch, Hermann M., assignor.)
Philadelphia Metal Drying Form Company. (See Guggenheim, Paul, assignor.)
Philadelphia Metal Drying Form Company. (See Savage, William T., assignor.)
Philadelphia Storage Battery Company. (See Bobb, Lloyd J., assignor.)
Philadelphia Storage Battery Company. (See Combs, Edward L., assignor.)
Philadelphia Storage Battery Company. (See Holland, W. E., and Grimditch, assignors.)
Philbrick, Clayton, Seattle, Wash., assignor to H. Disston & Sons, Incorporated, Tacony, Pa. Knife-clamping device for cutter heads. 1,799,120; Mar. 31.
Philbrick, Frederick B., Needham, assignor to The Gamewell Company, Newton Upper Falls, Mass. Multicircuit-testing mechanism. 1,799,438; Apr. 7.
Philbrick, Frederick B., Needham, assignor to The Gamewell Company, Newton Upper Falls, Mass. Multicircuit testing mechanism. 1,825,978; Oct. 6.
Philibert, Charles B., St. Louis, Mo. Selective display. 1,830,960; Nov. 10.
Philip Carey Manufacturing Company, The. (See Fischer, Albert C., assignor.)
Philip Carey Manufacturing Company, The. (See Moeller, W. J., and Zimmerman, assignors.)
Philip Carey Manufacturing Company, The. (See Ross, Edgar S., assignor.)
Philip, Martin, San Diego, Calif. Twin craft. 1,822,418; Sept. 8.
Philipp, Karl, Yonkers, assignor to The Pyridium Corporation, New York, N. Y. Manufacturing alpha-alpha-diaminopyridine. 1,789,022; Jan. 13.
Philippi, Theodore F., St. Louis, Mo. Grinding and polishing machine. 1,788,249; Jan. 6.
Philippi, Theodore F., St. Louis, Mo. Punch press. 1,826,152; Oct. 6.
Philips' N. V. Gloeilampenfabrieken. (See Holst, Gilles, assignor.)
Philips' N. V. Gloeilampenfabrieken. (See Zecher, Gustav, assignor.)
Philips, William E., assignor to Link-Belt Company, Chicago, Ill. Idler roll. 1,793,190; Feb. 17.
Philips, William E., assignor to Link-Belt Company, Chicago, Ill. Apparatus for cleaning sticky material from conveyer belts. 1,793,246; Feb. 17.
Philips, William E., assignor to The Link-Belt Company, Chicago, Ill. Rolls for belt idlers. 1,821,235; Sept. 1.
Phillip, Thomas and W., Skipton, assignors to J. W. Cheetham, Bolton, England. Portioning and storing machine. 1,792,321; Feb. 10.
Phillip, William. (See Phillip, Thomas, and W.)
Phillips, Abraham S., New York, N. Y., and O. S. Lawton, New Bedford, Mass., assignors to John M. Van Heusen, New York, N. Y. Woven fabric for collars and cuffs. 1,816,611; July 28.
Phillips, Alfred D., assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Automatic sprinkler. 1,801,569; Apr. 21.
Phillips, Arthur H., Hempstead, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Manifolding book. 1,838,325; Dec. 29.
Phillips, Arthur W., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling mechanism. 1,834,591; Dec. 1.
Phillips, Benjamin, Cincinnati, Ohio. Air service column. 1,835,896; Dec. 8.
Phillips, Charles C., Memphis, Tenn., assignor to The K-D Lamp Co., Cincinnati, Ohio. Telephone light. 1,828,543; Oct. 20.
Phillips, Charles I., and M. J. Christensen, Carnation, Wash. Wall spot effacing compound. 1,834,801; Dec. 1.
Phillips, Charles L. and I. M. Uppercu, New York, N. Y. Whirlpool game. 1,798,900; Mar. 31.
Phillips, Clair W., Lynch, Ky. Rotary steam engine. 1,813,316; July 7.
Phillips, Clayton L., Hamden, assignor to Sargent & Company, New Haven, Conn. Door hinge. 1,799,315; Apr. 7.
Phillips, E. Wayne. (See Torrison, Edward L., assignor.)
Phillips, Edward W., Hudson, Mich. Mudboat. 1,813,463; July 7.
Phillips, Ellis J. G., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Mounting for folding doors. 1,824,621; Sept. 22.
Phillips, Ellis J. G., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Folding partition. 1,833,496; Nov. 24.
Phillips, Ernest P., et al. (See Wood, Jesse L., assignor.)
Phillips, Ezra A., assignor of one-half to Walter J. H. Lown, Smackover, Ark. Tubing drain. 1,810,436; June 16.
Phillips, Fred C., Stoughton, Mass. Nozzle for projecting a fine stream of fluid. 1,795,314; Mar. 10.
Phillips, Frederick E., Newport, Ky., assignor of one-fourth to Allen & Allen, Cincinnati, Ohio. Pneumatic feeding mechanism for machine tools. 1,804,805; May 12.
Phillips, George A., Middle Park, Victoria, Australia. Document filing device. 1,817,930; Aug. 11.
Phillips, George P., Boston, Mass. Dental recorder. 1,799,528; Apr. 7.
Phillips, Harley R. (See Mojonnier, J. J., and Phillips.)

Phillips, Harley R., Oak Park, and H. J. Clarke, Chicago, Ill., assignors to Mojonnier Bros. Co. Slab or block feeding and cutting machine. 1,789,837; Jan. 20.
Phillips, Harold F., Belmont, Mass. Piston and skirt-expanding ring therefor. 1,806,416; May 19.
Phillips, Harry, Greenwich, Conn. Leveling cushion for radiocabinets. 1,798,272; Mar. 31.
Phillips, Harry A., Knoxville, Tenn. Refrigerating apparatus. 1,808,374; June 2.
Phillips, Harvey C., Arcadia, Ind. Road surfacing machine. 1,802,216; Apr. 21.
Phillips, Hugo, Hydesville, Calif. Band saw. 1,790,282; Jan. 27.
Phillips, Hugo and K. A., Hydesville, Calif. Groundworking implement for cultivators. 1,800,152; Apr. 7.
Phillips, Hyman, Cincinnati, Ohio. Oil dispenser. Des. 84,256; May 26.
Phillips, Irving, Philadelphia, Pa. Feed and delivery mechanism. 1,831,637; Nov. 10.
Phillips, James C. (See Gerken, Charles J., assignor.)
Phillips, James E., New York, N. Y. Locking plate. 1,814,961; July 14.
Phillips, James I., Mannington, W. Va., assignor of one-half to E. B. Miller, Tulsa, Okla. Chain tongs. 1,803,867; May 5.
Phillips, James V. W., New Westminster, British Columbia, Canada. Shade operating device for motor cars. 1,814,455; July 14.
Phillips, John W., East Orange, N. J. Roller ruler. 1,792,393; Feb. 10.
Phillips, Katharine A. (See Phillips, Hugo and K. A.)
Phillips, Leland A., assignor to The Phillips Ribbon & Carbon Company, Rochester, N. Y. Tablet. 1,804,806; May 12.
Phillips, Lester L., Pittsfield, Mass., assignor to General Electric Company. Joint for high tension electric cables. 1,834,864; Dec. 1.
Phillips, Maurice M., Pittsburgh, Pa. Wireless receiving circuit. Re18,140; July 28.
Phillips, Maurice M., Pittsburgh, Pa. Radio receiving circuits. 1,818,157; Aug. 11.
Philips, N. V., Gloeilampenfabrieken. (See Bol, Cornelis, assignor.)
Phillips, N. V., Gloeilampenfabriken. (See Reerink, Engbert H., assignor.)
Phillips, Nathan C., assignor to Russia Cement Company, Gloucester, Mass. Bottle. Des. 85,260; Sept. 29.
Phillips, Dr. P., Company. (See Floyd, Carol, assignor.)
Phillips, Dr. P., Company. (See Smalle, Daniel M., assignor.)
Phillips, Paul D., assignor to Benjamin Electric Mfg. Co., Des Plaines, Ill. Signboard-lighting fixture. 1,794,201; Feb. 24.
Phillips, Paul D., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Lighting fixture construction. 1,834,318; Dec. 1.
Phillips Petroleum Company, et al. (See Boles, Robert T., assignor.)
Phillips Petroleum Company. (See Brennan, Gerald L., assignor.)
Phillips Petroleum Company. (See Bumgardner, Allen R., assignor.)
Phillips Petroleum Company. (See Frazier, Lucius E., assignor.)
Phillips Petroleum Company. (See Guidinger, Edward F., assignor.)
Phillips Petroleum Company. (See Harlow, F. J., and Benz, assignors.)
Phillips Petroleum Company. (See Hiatt, William G., assignor.)
Phillips Petroleum Company. (See Hoover, Charles W., assignor.)
Phillips Petroleum Company. (See Knowlton, Donald R., assignor.)
Phillips Petroleum Company. (See Riney, A. H., and Gibbs, assignors.)
Phillips Petroleum Company. (See Thomas, Rosswell W., assignor.)
Phillips, Price E., Evansville, Ind. Outboard motor for boats. 1,789,415; Jan. 20.
Phillips, Ralph M., Jamestown, N. Y. Sandpapering machine. 1,794,092; Feb. 24.
Phillips, Ray A. (See Van Dusen, R. R., and Phillips.)
Phillips Ribbon & Carbon Company, The. (See Phillips, Leland A., assignor.)
Phillips, Stephen W., Prompton, Pa. Vehicle jack. 1,823,286; Sept. 15.
Phillips, Thomas., San Francisco, Calif. Fastening device. 1,816,692; July 28.
Phillips, Thomas J., Pittsburgh, assignor of one-half to W. F. Orr, New Bethlehem, Pa. Combination sled and wagon. 1,821,896; Sept. 1.
Phillips, Valentine J., Johnstown, Pa. Wire measuring device. 1,831,750; Nov. 10.
Phillips, Walter E., Cleveland Heights, Ohio. Coupling. 1,802,572; Apr. 28.
Phillips, William E., La Crescenta, Calif. Combination tool. 1,805,005; May 12.
Philips, William E., Chicago, assignor to Link-Belt Company, Chicago, Ill. Construction for rollers and the like. 1,837,480; Dec. 22.
Phillips, William L., and J. R. Neal, Houston, Tex., assignors to Maxwell House Products Company, Incorporated, Dover, Del. Roasting oven. 1,793,009; Feb. 17.
Philpott, Troy I. (See Chamness, O. L., Alfonte, and Philpott.)
Philpott, William J., St. Kilda, and J. T. Knight, Clunes, Victoria, Australia. Shock absorber. 1,794,981; Mar. 3.
Phinney, Edgar E., West Orange, assignor to Defiance Manufacturing Corporation, Orange, N. J. Check-writing machine. 1,794,540; Mar. 3.
Phinney, Edgar E., West Orange, assignor to Defiance Manufacturing Corporation, Orange, N. J. Numbering machine. 1,796,046; Mar. 10.
Phinney, Edward D., Mount Vernon, N. Y. Container for fire extinguishing apparatus. 1,816,342; July 28.
Phinney, Robert M., assignor to General Railway Signal Company, Rochester, N. Y. Train-dispatching system for railroads. 1,794,541; Mar. 3.
Phinney, Robert M., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 1,824,169; Sept. 22.
Phinney-Walker Co. (See Cook, Stephen C., assignor.)
Phipps, John T., Huntington Park, assignor to H. C. Smith Manufacturing Company, Whittier, Calif. Core catcher construction. 1,825,123; Sept. 29.
Phister, Albert B., Fort Thomas, Ky., assignor to The Phister Manufacturing Company, Cincinnati, Ohio. Fire extinguisher. 1,794,982; Mar. 3.
Phister Manufacturing Company, The. (See Phister, Albert B., assignor.)
Phoenix Aktiengesellschaft für Bergbau und Hüttenbetrieb Abteilung Ruhrort, Duisburg-Ruhrort. (See Holtus, Hermann, assignor.)
Phoenix-Hermetic Company. (See Crabbe, Lindsay T., assignor.)
Phoenix-Hermetic Company. (See Kowal, Walter, assignor.)
Phoenix-Hermetic Company. (See Taliaferro, Thomas L., assignor.)
Phoenix Hosiery Company. (See Browne, Richard, assignor.)
Phoenix Hosiery Company. (See Forbes, Christine Holloway, assignor.)
Phoenix Hosiery Company. (See Kohlwey, Irvin J., assignor.)
Phoenix Hosiery Company. (See Plough, Theodore, assignor.)
Phonodisc Corporation. (See Ebeling, Charles W., assignor.)
Phonodisc Corporation. (See Kende, George, assignor.)
Photogramm[illegible]ie G. m. b. H. (See Aschenbrenner, Claus, assignor.)
Photogrammet[illegible] G. m. b. H., the Firm. (See Wulkow, Karl, assignor.)
Photomaton, Inc. (See Hirsch, S., and Singer, assignors.)
Photor Corporation, The. (See Back, Franz G., assignor.)
Photor Corporation, The. (See Heilpern, J., and Back, assignors.)
Photoself Machine Corporation. (See Kulus, Matthew M., assignor.)
Photostat Corporation. (See Caps, Arthur W., assignor.)
Photostat Corporation. (See Caps, A. W., and Du Pree, assignors.)
Photostat Corporation. (See Caps, A. W., and Greene, assignors.)
Photostat Corporation. (See Caps, A. W., and Leininger, assignors.)
Photostat C[illegible]tion. (See Greene, John S., assignor.)
Photostat Corpo[illegible]tion. (See Greene, J. S., and Caps, assignors.)
Photostat Corporation. (See Greene, J. S., and Landrock, assignors.)
Photostat Corporation. (See Landrock, Paul, assignor.)
Physicians and Hospitals Supply Company. (See Ulmer, George G., jr., assignor.)
Phythian, Thomas E. (See Smith, E. W., and Phythian.)
Piampiano, Octive, Rochester, N. Y. Propeller for flying machines. 1,792,758; Feb. 17.
Piano, Joe, Chicago, Ill. Propelling mechanism. 1,807,254; May 26.
Piano Rubber Mills. (See Sharer, S. S. Kugler, Smith, and Hurst, assignors.)
Platt, Howard I., assignor to Motor Wheel Corporation, Lansing, Mich. Thermostatic control for heaters. 1,793,451; Feb. 17.
Platt, Howard I., assignor to Motor Wheel Corporation, Lansing, Mich. Thermoelectric control for heaters. 1,819,620; Aug. 18.
Piazzoli, Theodore J., assignor to Capstant Glass Company, Connellsville, Pa. Jar or similar article. Des. 84,593; July 7.
Piazzoli, Theodore J., assignor to Capstan Glass Company, Connellsville, Pa. Jar or similar article. Des. 85,712; Dec. 8.
Picard, Georges. (See Coghlin, B. W., and Picard.)
Picard, John B., assignor to The National Supply Company, Toledo, Ohio. Pumping jack. 1,823,163; Sept. 15.
Picard, René, Paris, France, assignor to Societe Alsa in Basel. Artificial hollow thread manufacturing process. 1,831,030; Nov. 10.
Picard, Sidney L., Detroit, Mich. Carburetor. 1,807,750; June 2.
Picard, Sidney L., Detroit, Mich. Carburetor. 1,820,825; Aug. 25.
Picard, Stanislas, assignor to B. B. & R., Knight Corporation, Providence, R. I. Cloth holder. 1,838,107; Dec. 29.

Piccolini, Héctor C., Buenos Aires, Argentina. Elastic mattress and other device for repose of the body. 1,808,679; June 2.
Pichette, John J., Whitinsville, Mass. Spindle. 1,790,835; Feb. 3.
Pichler, John, Cleveland, Ohio. Automatic tool cutting machine. 1,806,562; May 19.
Pick, Bruno J. (See Frank, J., and Pick.)
Pick, George, et al. (See Gentile, Marino, assignor.)
Pickard, Frank, Havelock, Nebr. Oil salad dressing mixer. 1,827,608; Oct. 13.
Pickard, Frank C., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Fuel distributor. 1,834,730; Dec. 1.
Pickard, Henry A., assignor to Pickard, Incorporated, Chicago, Ill. Plate or similar article. Des. 83,059; Jan. 13.
Pickard, Incorporated. (See Pickard, Henry A., assignor.)
Pickard, Joseph A. (See Hele-Shaw, H. S., and Pickard.)
Pickard, Joseph A., Acton, London, assignor to Metafilters Limited, London, England. Filter. 1,804,512; May 12.
Pickard, Morris, Chicago, Ill. Hair drier. 1,790,283; Jan. 27.
Pickard, Nathan C., Denver, Colo. Airship. 1,794,202; Feb. 24.
Pickard, Rosa M., Wilmette, Ill. Tie-back. Des. 83,005; Jan. 6.
Pickard, Rosa M., Wilmette, Ill. Wall plate for lighting fixtures. Des. 84,203; May 19.
Pickard, Rosa M., Wilmette, Ill. Tie back for curtain draperies. Des. 84,204; May 19.
Pick-Barth, Albert, Company. (See Johannes, Hubert G., assignor.)
Pickens, James F., Brownsville, Pa. Illuminated oil can. 1,800,153; Apr. 7.
Picker, Charles, Albany, N. Y. Cleaning machine. 1,827,905; Oct. 20.
Pickering, Albert V., Woonsocket, R. I. Oil burner. 1,831,321; Nov. 10.
Pickering, Albert V., Woonsocket, R. I., assignor, by mesne assignments, to Portable Electric Tool Corporation, Fitchburg, Mass. Jig saw. 1,826,187; Oct. 6.
Pickering, Albert V., and A. H. Moore, assignors to Portable Electric Tool Corporation, Fitchburg, Mass. Jig saw. 1,826,188; Oct. 6.
Pickering Governor Company, The. (See Crafts, Irving M., assignor.)
Pickering, Lafayette D., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Artificial teeth. 1,799,316; Apr. 7.
Pickett, Mabel G., et al. (See Hull, Alva M., assignor.)
Pickett, Wingate P., Union Springs, Ala. Cutting metal fence posts from sheet material. 1,813,761; July 7.
Pickop, George B., New Haven, assignor to Malleable Iron Fittings Company, Branford, Conn. Pattern plate with vibrator securing means. 1,796,394; Mar. 17.
Pickop, George B., New Haven, assignor to Malleable Iron Fittings Company, Branford, Conn. Vibrator. 1,804,949; May 12.
Pickop, George B., New Haven, assignor to Malleable Iron Fittings Company, Branford, Conn. Clothes hook for lockers. 1,810,928; June 23.
Pickop, George B., New Haven, assignor to Malleable Iron Fittings Company, Branford, Conn. Fusible link controlled valve. 1,814,526; July 14.
Pickop, George B., assignor to Malleable Iron Fittings Company, Branford, Conn. Vibrator. 1,820,320; Aug. 25.
Pickop, George B., New Haven, assignor to Malleable Iron Fittings Company, Branford, Conn. Vibrator rapping and drawing iron. 1,820,675; Aug. 25.
Pickop, George B., New Haven, assignor to Malleable Iron Fittings Company, Branford, Conn. Apparatus for vibrating objects. 1,820,676; Aug. 25.
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Heating stove. Des. 83,484; Feb. 24.
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Warming closet for cook stoves. Des. 85,002; Sept. 1.
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Liquid fuel stove. 1,802,618; Apr. 28.
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Solid fuel stove. 1,802,955; Apr. 28.
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Gas range. 1,810,725; June 16.
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Liquid fuel stove. 1,819,338; Aug. 18.
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Concealed hinge. 1,835,331; Dec. 8.
Pickup, George E., Newark, assignor to The Wehrle Company, Newark, Ohio. Towel bar. 1,838,444; Dec. 29.
Pictorial Review Company. (See Herzberg, Max, assignor.)
Pidcock, Kevin J. (See West, F. B., and Pidcock.)
Pie Bakeries of America, Inc. (See Anton, Mark, assignor.)
Pief, John, Oklahoma City, Okla. Article of manufacture for wrist watch crystals. 1,812,367; June 30.
Pielstick, Gustav, assignor to Maschinenfabrik Augsburg-Nürnberg, A. G., Augsburg, Germany. Multicylinder combustion engine. 1,,836,498; Dec. 15.
Piepenstock, Paul. (See Herrmann, Emil, assignor.)
Pieper, Alphonse F., et al. (See Meitzler, Charles R., assignor.)
Pieper, Alphonse F., et al. (See Moore, Clarence W., assignor.)
Pieper, Alphonse F., et al. (See Pieper, Oscar H., assignor.)
Pieper, Alphonse F., Rochester, N. Y. Dental unit. 1,802,529; Apr. 28.
Pieper, Alphonse F., and G. I. Kester, Rochester, N. Y.; said Kester assignor to said Pieper. Stereoscopic view box. 1,808,176; June 2.
Pieper, Ernest J. (See Smith, D. F., Pieper, and Vogt.)
Pieper, Henri, Brussels, Belgium. Hydraulic motor installation. 1,810,254; June 16.
Pieper, Henri, assignor to Compagnie International Des Freins Automatiques, Societe Anonyme, Liege, Belgium. Servo brake. 1,819,971; Aug. 18.
Pieper, Henri, Brussels, Belgium. Transmission system. 1,828,679; Oct. 20.
Pieper, Oscar H., et al. (See Meitzler, Charles R., assignor.)
Pieper, Oscar H., et al. (See Moore, Clarence W., assignor.)
Pieper, Oscar H., Rochester, N. Y. Instrument holder. 1,792,120; Feb. 10.
Pieper, Oscar H., assignor to O. H. Pieper and A. F. Pieper, Rochester, N. Y. Switch handle and instrument holder. 1,792,121; Feb. 10.
Pieper, Oscar H., Rochester, N. Y. Dental handpiece. 1,835,961; Dec. 8.
Piepkorn, Arthur, Brooklyn, N. Y. Transmission of power. 1,787,701; Jan. 6.
Pier, Mathias. (See Krauch, C., Pier, and Eisenhut.)
Pier, Mathias. (See Mittasch, A., Pier, and Müller.)
Pier, Mathias, Heidelberg, Germany, assignor, by mesne assignments, to Standard I. G. Company, Linden, N. J. Destructive hydrogenation of carbonaceous materials. 1,835,425; Dec. 8.
Pier, Mathias, Heidelberg, Germany, assignor, by mesne assignments, to Standard I. G. Company, Linden, N. J. Destructive hydrogenation of carbonaceous materials. 1,835,426; Dec. 8.
Pier, Mathias, Heidelberg, and G. Wietzel, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of organic compounds containing oxygen. 1,788,170; Jan. 6.
Pier, Mathias, Heidelberg, R. Wietzel, and B. Engel, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Separation of oils from mixtures with solid substances. 1,794,865; Mar. 3.
Pier, Mathias, Heidelberg, W. Boesler, Ludwigshafen-on-the-Rhine, and A. Eisenhut, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Removal of monocyclic aromatic hydrocarbons from gases. 1,818,158; Aug. 11.
Pierce-Arrow Motor Car Company, The. (See Hughes, James R., assignor.)
Pierce-Arrow Motor Car Company, The. (See Pomeroy, Percy W., assignor.)
Pierce-Arrow Motor Car Company, The. (See Weber, William H., assignor.)
Pierce, Carlos T., Newton, Mass. Fire-protective and roof cooling device. 1,831,880; Nov. 17.
Pierce, Chester A., et al. (See Leeseberg, Henry C., assignor.)
Pierce, Clayton B., and W. C., Chicago, Ill. Lubricating apparatus. 1,824,364; Sept. 22.
Pierce, David E., Wilmington, Del., assignor to The Atlantic Refining Company, Philadelphia, Pa. Oil purifying system. 1,816,294; July 28.
Pierce, Earl F., Winnetka, assignor to Alemite Corporation, Chicago, Ill. Coupling. 1,797,363; Mar. 24.
Pierce, Elmer, Brazil, Ind. Chain or cable jack. 1,823,760; Sept. 15.
Pierce, Esta M., assignor to The Bowling Green Poultry Supply Company, Bowling Green, Ohio. Chick brooder. 1,837,065; Dec. 15.
Pierce, Frederick J., Saranac Lake, N. Y. Foot impression mold. 1,824,835; Sept. 29.
Pierce, George W., Cambridge, Mass. Electrical system. 1,789,496; Jan. 20.
Pierce Governor Company. (See Essex, Carl C., assignor.)
Pierce, Harold S., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Friction chain belt. 1,822,821; Sept. 8.
Pierce, Harry, Brooklyn, N. Y. Drying machine. 1,800,228; Apr. 14.
Pierce, James B., jr., Charleston, W. Va. Manufacture of blanc fixe. 1,828,846; Oct. 27.
Pierce, James H., Bay City, Mich. Outboard motor. 1,801,612; Apr. 21.
Pierce, James H., Bay City, Mich. Internal combustion engine. 1,805,843; May 19.
Pierce, James H., Bay City, Mich., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill. Marine propulsion device. Re18,118; July 7.
Pierce, Leland W., Stockton, Ill. Lubricant dispensing apparatus. 1,816,987; Aug. 4.
Pierce, Leo F., San Diego, assignor to Federal Telegraph Company, San Francisco, Calif. Oscillating arc. 1,821,915; Sept. 1.
Pierce, Maurice C., Madison, Wis. Vehicle support. 1,810,726; June 16.
Pierce, Percy, Philadelphia, Pa. Portable knockdown holder for picture signs. 1,799,178; Apr. 7.

Pierce, Raymond C., Bronxville, N. Y., assignor to General American Tank Car Corporation, Chicago, Ill. Manufacturing tank cars. 1,817,580; Aug. 4.
Pierce, Raymond C., Bronxville, N. Y., assignor to General American Tank Car Corporation, Chicago, Ill. Tank car. 1,817,581; Aug. 4.
Pierce, Robert C., assignor to National-Standard Company, Niles, Mich. Treating wire. 1,824,568; Sept. 22.
Pierce, Robert C., assignor to National-Standard Company, Niles, Mich. Multiple wire tension device. 1,833,588; Nov. 24.
Pierce, Robert E., assignor to Bemis Bro. Bag Co., St. Louis, Mo. Thread pull up for sewing machines. 1,808,506; June 2.
Pierce, Robert E., assignor to Bemis Bros. Bag Co., St. Louis, Mo. Laminated waterproof lining for containers. 1,834,802; Dec. 1.
Pierce, Robert H. H. (See Youngman, R. H., and Pierce.)
Pierce, Sarah E., Conshohocken, Pa. Lawn mower accessory. 1,811,862; June 30.
Pierce Steel Pile Corporation. (See Bulger, Arthur J., assignor.)
Pierce Steel Pile Corporation. (See Nadel, Louis, assignor.)
Pierce, Walter H., South Poland, Me., assignor, by mesne assignments, to United-Carr Fastener Corporation. Nut and screw fastening. Re18,229; Oct. 20.
Pierce, Walter H., Watertown, Mass., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Adapter for lubricating apparatus. 1,818,272; Aug. 11.
Pierce, Walter H., Watertown, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Fastening installation. 1,822,845; Sept. 8.
Pierce, Walter H., Watertown, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Fastener applying machine. 1,839,176; Dec. 29.
Pierce, William C. (See Pierce, Clayton B. and W. C.)
Pierce, William S., Franklin, Pa., assignor to Barco Brass & Joint Company, Chicago, Ill. Pipe coupling. Re18,296; Dec. 22.
Pierce, William T. (See Otte, Otho M., assignor.)
Pierce, William T., Reading, Pa. Door-locking mechanism. 1,789,113; Jan. 13.
Pierce, William T., Birtle, Manitoba, Canada. Grain separating machine. 1,808,863; June 9.
Pierce, Winslow S., jr., Bayville, N. Y. Fastening device. 1,802,829; Apr. 28.
Pierce, Winslow S., jr., Bayville, N. Y. Magnetic brush. 1,831,393; Nov. 10.
Pierce, Winslow S., jr., Bayville, N. Y., assignor to Split Ballbearing Corporation, Lebanon, N. H. Fastening device. 1,831,392; Nov. 10.
Piere, Mathies, Heidelberg, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of methyl alcohol and other oxygenated organic compounds. 1,823,468; Sept. 15.
Pierini, Erasmo, Brooklyn, N. Y., assignor to Ideal Belgian Fur Dyeing Company, Inc. Fur dyeing machine. 1,809,909; June 16.
Pierret, Victor E., Los Angeles, Calif. Emergency valve operating mechanism. 1,825,124; Sept. 29.
Piersen, Edwin H. (See Brainard, C. H., Carrington, and Cooke.)
Piersol, Paul B., Beaver Falls, assignor to The Babcock & Wilcox Tube Company, West Mayfield, Pa. Hot metal working tool. 1,813,677; July 7.
Pierson, Carl W., Rockford, Ill. Radio receiving set. Des. 85,840; Dec. 22.
Pierson, Charles U., Moscow, Idaho, assignor of one-half to L. Johnson, Spokane, Wash. Air filter. 1,828,816; Oct. 27.
Pierson, Charles W., Beverly Hills, and C. Y. Fitzgerald, and G. E. Thomae, assignors of one-fourth to Robert D. Pearson, Los Angeles, Calif. Banjo mute. 1,819,339; Aug. 18.
Pierson, Israel S. (See Carlisle, R. W., and Pierson.)
Piessevaux, Georges, assignor to Eternit, Inc., St. Louis, Mo. Making colored composition slabs. 1,829,187; Oct. 27.
Pierson, Reed J., Janesville, Wis. Automatic signal switch for vehicles. 1,790,511; Jan. 27.
Pierson, Robert M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Battery holddown and handle structure. 1,796,343; Mar. 17.
Pierson, Roy N., and C. H. Carlson, Minneapolis, Minn., assignors, by mesne assignments, to American Multigraph Co., Wilmington, Del. Letter folding machine. 1,811,964; June 30.
Pierson, Torvald N., Independence, assignor to The Gleaner Combine Harvester Corporation, Kansas City, Mo. Grain separating mechanism. 1,803,131; Apr. 28.
Piesch, Henry. (See Mohun, J. L., and Piesch.)
Pieters, Ivon S., assignor to Plibrico Jointless Firebrick Company, Chicago, Ill. Anchor for furnace linings. 1,828,618; Oct. 20.
Pieters, Julien, Paris, France. Vertical distillation retort. 1,816,794; July 28.
Pietracatella, Carmine, New York, N. Y. Trouser seam pressing machine. 1,823,628; Sept. 15.
Pietsch, Willy, Pulsnitz, Germany. Zip or lightning fastener. 1,823,913; Sept. 22.
Pietzsch, Frank H. (See Hoerr, L. A., and Pietzsch.)
Pietzsch, Frank H., and S. H. Campbell, assignors to Railway Devices Company, St. Louis, Mo. Brake slack adjuster. 1,838,445; Dec. 29.
Pigeon, Fred L., et al. (See Snadecki, William J., assignor.)
Pigeon, Roy W., et al. (See Snadecki, William J., assignor.)
Piggly Wiggly Corporation. (See White, Mason A., assignor.)
Piggot, Charles S., Washington, D. C. Bonnet for rectifying columns. 1,824,836; Sept. 29.
Piggott, Warren M., Leavenworth, Kans. Heat distributor. 1,820,826; Aug. 25.
Pignanelli, Luigi, Tacoma, Wash. Fastener for rubber heels. 1,803,641; May 5.
Pihl, Alfred C., Eureka, Calif. Combined rake and cutter. 1,800,103; Apr. 7.
Pike, Frederick J., Buffalo, N. Y. Stabilizer for airplanes. 1,821,273; Sept. 1.
Pike, George J., Grand Rapids, Mich., assignor to General Motors Radio Corporation, Dayton, Ohio. Radiocabinet or similar article. Des. 84,540; June 30.
Pike, George J., Grand Rapids, Mich., assignor to General Motors Radio Corporation, Dayton, Ohio. Radiocabinet or similar article. Des. 84,541; June 30.
Pike, George J., Grand Rapids, Mich., assignor to General Motors Radio Corporation, Dayton, Ohio. Radiocabinet or similar article. Des. 84,542; June 30.
Pike, George J., Grand Rapids, Mich., assignor to General Motors Radio Corporation, Dayton, Ohio. Radiocabinet or similar article. Des. 84,543; June 30.
Pike, George J., Grand Rapids, Mich., assignor to General Motors Radio Corporation, Dayton, Ohio. Radiocabinet or similar article. Des. 84,544; June 30.
Pike, George J., Grand Rapids, Mich., assignor to General Motors Radio Corporation, Dayton, Ohio. Radiocabinet or similar article. Des. 84,545; June 30.
Pike, George J., Grand Rapids, Mich., assignor to General Motors Radio Corporation, Dayton, Ohio. Radiocabinet or similar article. Des. 84,592; July 7.
Pike, George J., Grand Rapids, Mich., assignor to General Motors Radio Corporation, Dayton, Ohio. Radio cabinet or similar article. Des. 84,594; July 7.
Pike, George W., Phoenix, Ariz. Fishhook. 1,791,083; Feb. 3.
Pike, George W., Phoenix, Ariz. Artificial bait. 1,791,084; Feb. 3.
Pike, Lorenzo H., assignor to Brass Goods M'f'g. Co., Brooklyn, N. Y. Faucet clamp. 1,790,111; Jan. 27.
Pike Manufacturing Company. (See Averill, William H., assignor.)
Pike, Robert D., Piedmont, Calif. Making potassium phosphate. 1,799,479; Apr. 7.
Pike, Robert D., Oakland, Calif. Volatilizing phosphorus and potash and for producing potash-bearing phosphoric acid. 1,814,568; July 14.
Pike, Robert D., Oakland, Calif. Volatilization of phosphorus. 1,815,379; July 21.
Pilblad, Eric J., Brooklyn, assignor, by mesne assignments, to Leopard Automobile Products Corporation, New York, N. Y. Braking device for spring suspension. 1,797,442; Mar. 24.
Pilblad, Eric J., Brooklyn, assignor, by mesne assignments, to Leopard Automobile Products Corporation, New York, N. Y. Supporting spring suspension devices for vehicles. 1,822,235; Sept. 8.
Pilblad, Eric J., Rockville Center, assignor, by mesne assignments, to Leopard Automobile Products Corporation, New York, N. Y. Frictional retarding device for spring suspension. 1,822,236; Sept. 8.
Pilcher, Allen C. (See Rahm, F., and Pilcher.)
Pilcher, John A., Roanoke, Va. Support for locomotive air pumps, etc. 1,816,912; Aug. 4.
Pilgrim, Ford A. (See Zublin, J. A., and Pilgrim.)
Pilgrim Plush Company. (See Cooper, James W., assignor.)
Pili, Carl, Los Angeles, Calif. Guide bar support for concrete gauges. 1,838,635; Dec. 29.
Pilkington Brothers Limited. (See Le Mare, Ernest B., assignor.)
Pilkington Brothers Limited. (See Le Mare, E. B. and Waldron, assignors.)
Pilkington Brothers Limited. (See Merian, Frederic, assignor.)
Pilkington Brothers Limited. (See Waldron, F. B., and Griffin, assignors.)
Pillard, Marcel, assignor, by mesne assignments, to L'Helice Metallique, Brevets Paulhan-Pillard, Societe Anonyme, Marseilles, France. Driving mechanism for aeroplanes. 1,798,628; Mar. 31.
Pilling, Charles J., Lansdowne, and B. F. Wiegand, assignors to The George P. Pilling & Son Company, Philadelphia, Pa. Suture forceps. 1,815,725; July 21.
Pilling, Charles J., Lansdowne, Pa., assignor to The George P. Pilling & Son Company, Philadelphia, Pa. Stethoscope. 1,832,422; Nov. 17.
Pilling, George P., & Son Company, The. (See Pilling, Charles J., assignor.)
Pilling, George P., & Son Company, The. (See Pilling, C. J., and Wiegand, assignors.)
Pilling, Norman B., Elizabeth, N. J., assignor to The International Iron-nickel-copper alloy. 1,805,049; May 12.

Pilling, Norman B., Elizabeth, N. J., assignor, by mesne assignments, to The International Nickel Company, Inc., New York, N. Y. Alloys and process for improving workability of same. 1,824,966; Sept. 29.
Pilloid Company, The. (See Purdy, Jay D., assignor.)
Pilliod Company, The. (See Trent, Kline S., assignor.)
Pilny, Alex. (See Pilny, Otto and A.)
Pilny, Otto, and A. Pilny, Zurich, Switzerland. Method and device for producing color films. 1,802,530; Apr. 28.
Pilot Electric Manufacturing Company. (See Geloso, John, assignor.)
Pilot Laboratory, Inc. (See Rurzler, J. E., jr., Kokatnur, and Rollhaus, assignors.)
Pilot Radio & Tube Corporation. (See Geloso, John, assignor.)
Pilot Ray Corporation. (See Cronkhite, Charles M., assignor.)
Pilot Ray Corporation. (See Keck, George S., assignor.)
Pinaud, Inc. (See Jones, Alice M., assignor.)
Pinaud Incorporated. (See Jones, Alice Mc L., assignor.)
Pinaud, Inc. (See Lynch, Frank J., assignor.)
Pinaud Incorporated. (See Michelin, Marcel M., assignor.)
Pinaud Incorporated. (See Panopulo, George, assignor.)
Pinaud, Incorporated. (See Schmidt, Charles G. G., assignor.)
Pinck, Louis A. (See Krase, H. J., Hetherington, and Pinck.)
Pinckard, Lee E., Golden, Colo. Pulverized fuel burner. 1,835,332; Dec. 8.
Pincus, Louis A. (See Simon, Samuel, assignor.)
Pinder, Thomas F., Merion, Pa. Printing. 1,808,476; June 2.
Pine Hall Brick & Pipe Co. (See Steele, Flake F., assignor.)
Pine, William B., Okmulgee, Okla. Apparatus for making vitrified argillaceous products. 1,824,684; Sept. 22.
Pine, William B., Okmulgee, Okla., J. B. Shaw, State College, and M. C. Shaw, Pittsburgh, Pa., assignors of twenty per cent to said J. B. Shaw, twenty per cent to said M. C. Shaw, and sixty per cent to said Pine. Vitrified argillaceous product. 1,809,214; June 9.
Pine, William B., Okmulgee, Okla., J. B. Shaw, and M. C. Shaw, State College, Pa., assignors of twenty per cent to said J. B. Shaw, twenty per cent to said M. C. Shaw, and sixty per cent to said Pine. Making vitrified argillaceous products. 1,809,215; June 9.
Pineda, Urbano, Seattle, Wash. Combination inkstand and writing implement. Des. 83,173; Jan. 27.
Pines Winterfront Company. (See Beach, Frederick E., assignor.)
Pines Winterfront Company. (See Beach, F. E., and Petersen, assignors.)
Pines Winterfront Co. (See Collier, William H., assignor.)
Pines Winterfront Company. (See McCaleb, Albert G., assignor.)
Pines Winterfront Company. (See Petersen, Edgar G., assignor.)
Pingle, Jerry C. (See Clark, P., and Pingle.)
Pinheiro, John B., Oakland, Calif. Collapsible wheeled support for suitcases or like receptacles. 1,808,864; June 9.
Pink, Edward F., assignor to The Cambridge Wire Cloth Company, Cambridge, Md. Tie rod for wire fabric belts. 1,803,144; Apr. 28.
Pink, Edward F., Cambridge, Md. Wire fabric. 1,833,260; Nov. 24.
Pink, Leonhard, Berlin, assignor to H. Meffert, Hamburg, Germany. Reaction product of salicylic acid and hexamethylenetetramine and producing same. 1,825,636; Sept. 29.
Pinkert, Max, Pforzheim, and I. Müller, Neuenburg, Germany, said Pinkert assignor to said Müller. Seal. 1,803,916; May 5.
Pinkerton, Howard K., Madison, Wis., and F. L. Rhyndress, Kansas City, Mo., assignors, by mesne assignments, to General Electric Company. Fountain tank. Re18,169; Aug. 25.
Pinkerton, Howard K., and F. L. Rhyndress, Kansas City; said Pinkerton assignor to W. H. Frazell, jr., Kansas City, Mo. Water cooler. 1,833,885; Nov. 24.
Pinkham, Henry P., Wollaston, Mass., assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Multipole electric switch and operating mechanism therefor. 1,825,159; Sept. 29.
Pinkham, Henry P., Woollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and terminal therefor. 1,834,178; Dec. 1.
Pinkney, Bryan D., assignor to H. B. Smith Machine Company, Smithville, N. J. Sanding machine. 1,800,805; Apr. 14.
Pinkus, Eugene, Toledo, Ohio. Illuminated sign. 1,806,915; May 26.
Pinless Clothes Line Corp. (See Law Otis E., assignor.)
Pinnelli, Donato, Orange, N. J. Convertible implement. 1,807,009; May 26.
Pinner, Walter L. (See Hanley, J. A., and Pinner.)
Pinner, Walter L., Detroit, and C. C. De Witt, Ypsilanti, Mich., assignors, by mesne assignments, to General Spring Bumper Corporation. Electrodepositing bright nickel. 1,837,835; Dec. 22.
Pinnock, Douglas R., Bayonne, N. J., assignor to E. Fredericks, Inc., New York, N. Y. Hair treating method and composition. 1,827,801; Oct. 20.
Pinson, James H., Richmond, Ind., assignor to International Harvester Company. Motor bracket for cream separators. 1,815,362; July 21.
Pinto Valley Co. (See Mott, Garrett, assignor.)
Pintow, Paul, Brooklyn, N. Y. Combined chair and bed. 1,817,708; Aug. 4.
Pintsch, Julius, Aktiengesellschaft. (See Gerdes, Heinrich, assignor.)
Pioch, William F., Detroit, and C. J. Martin, assignors to Ford Motor Company, Dearborn, Mich. Welding machine. 1,822,371; Sept. 8.
Pioneer Cell Tyre Company Limited, The. (See Hibbert, Ernest, assignor.)
Pioneer Gravel Equipment Manufacturing Company. (See Gustafson, Carl A., assignor.)
Pioneer Instrument Company. (See Carbonara, Victor E., assignor.)
Pioneer Instrument Company. (See Colvin, Charles H., assignor.)
Pioneer Instrument Company. (See Peace, John D., jr., assignor.)
Pioneer Instrument Company. (See Titterington, Morris M., assignor.)
Pioneer Instrument Company. (See Urfer, Adolf, assignor.)
Pioneer Manufacturing Company, The. (See Dunn, Charles P., assignor.)
Pioneer Manufacturing Co. (See Shoup, Vernon D., assignor.)
Pioneer Pearl Button Company. (See Butsko, Stephen, assignor.)
Pioneer Pearl Button Company. (See Knott, Warren E., assignor.)
Pioneer Suspender Company. (See Cahn, Tillman, assignor.)
Pioneer Suspender Company. (See Lavenson, Jay, assignor.)
Pioneer Suspender Company. (See Painter, Walter S., assignor.)
Pioneer Watch Case Company. (See Mason, Charles H., assignor.)
Piotti, Frank, et al. (See Boggs, Hugh L., assignor.)
Pipe Manufacturing Company. (See Irwin, William J., assignor.)
Piper, Alonzo S. (See Cooper, E., and Piper.)
Piper, Earle C., assignor to The Lubretor Company, Columbus, Ohio. Lubricating system for internal combustion engines. 1,825,889; Oct. 6.
Piper, Harry D., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for working material. 1,793,247; Feb 17.
Piper, James J., Spokane, Wash. Door latch. 1,827,400; Oct. 13.
Piper, Oscar C. (See Kaiser, Lawrence, assignor.)
Piper, Walter F. (See Beardsley, E. O., and Piper.)
Piper, Walter F. (See Beardsley, E. O., and Piper, assignor.)
Piper, Walter F., assignor to The Beardsley & Piper Company, Chicago, Ill. Machine for filling flasks for founding. 1,816,612; July 28.
Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond. 1,822,059; Sept. 8.
Pipes, Walter L., Elizabeth, N. J., assignor to Morgan & Wright, Detroit, Mich. Tire shaping apparatus. 1,835,669; Dec. 8.
Pipkin, Stanley, assignor of forty-nine per cent to J. Higgins, Lutesville, Mo. Apparatus for reclaiming waste lubricating oils. 1,798,031; Mar. 24.
Pipkin, Wilbur A. (See Van Horn, Irving H., and Pipkin.)
Pipkin, Wilbur A., Safety Harbor, Fla. Extracting the oily materials from the peel of citrus fruits. 1,798,555; Mar. 31.
Pippin, Haskel A., Okmulgee, Okla. Well drilling apparatus. 1,826,634; Oct. 6.
Pippin, John W., Hebbronville, Tex. Automatic tire inflation mechanism. 1,816,693; July 28.
Pirani, Marcello, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Construction of electric devices. 1,820,827; Aug. 25.
Pirelli & C. (See Emanueli, Luigi, assignor.)
Pirie, William J., Edinburgh, Scotland. Ink removing contrivance for printing machines. 1,837,671; Dec. 22.
Pirie, William J., Edinburgh, Scotland. Ink removing contrivance for printing machines. 1,837,672; Dec. 22.
Piro, Samuel, et al. (See Colombo, John, assignor.)
Piron, Emil, New York, N. Y. Distilling hydrocarbon. 1,794,542; Mar. 3.
Pisani, Guilio, Farwell, assignor of one-half to S. Paoletti, Renovo, and one-half to Frank De Leece, Philadelphia, Pa. Animal trap. 1,807,171; May 26.
Pischel, Adolph, New York, N. Y., and P. Pischel, Tottenham, London, England, assignors to Eagle Pencil Company, New York, N. Y. Manufacturing rods from plastic materials. 1,832,654; Nov. 17.
Pischel, Paul. (See Pischel, A. and P.)
Pistner, Leopold, et al. (See Stevens, Perley E., assignor.)
Pistole, Henry T., Dallas, Tex. Head covering. 1,803,538; May 5.

Pistor, Gustav, Leipzig, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Charging means for electric furnaces. 1,807,090; May 26.

Pistor, Gustav, Leipzig, R. Suchy, and E. Reubke, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Simultaneously volatilizing phosphorus and producing latent hydraulic binders. 1,826,433; Oct. 6.

Pitcairn Cierva Autogiro Company of America. (See de la Cierva, Juan, assignor.)

Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft. 1,820,946; Sept. 1.

Pitcairn, William S., Corporation. (See Merriman, Thomas C., assignor.)

Pitcher, Elmer C., Hayward, Calif. Imbedding staples. 1,828,067; Oct. 20.

Pitcher, Elmer C., Hayward, Calif. Sliding door construction. 1,831,031; Nov. 10.

Pitcher, Elmer C., Hayward, Calif. Door hanger. 1,832,050; Nov. 17.

Pitchers, Archibald R. (See Pitchers, Robert J. and A. R.)

Pitchers, Robert J. and A. R., Godalming, England. Tool for use in connection with knitting machines. 1,797,617; Mar. 24.

Pitezsch, Frank H. (See Hoerr, L. A., and Pietzsch.)

Pitman, Earle C., Princeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Soluble nitrocellulose and coating composition containing the same. 1,788,406; Jan. 13.

Pitman, Henry L., Westfield N. J., assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Typewriting machine. 1,824,099; Sept. 22.

Pitman, Henry L., Westfield, N. J., assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,834,731; Dec. 1.

Pitney-Bowes Postage Meter Co. (See Wheeler, W. H., jr., and Viele, assignors.)

Pitt, Frederick D., Kansas City, Mo. Electric-heating-element bowl. Des. 83,347; Feb. 17.

Pitt, Frederick D., Kansas City, Mo. Dispensing bottle stopper. 1,805,257; May 12.

Pittenger, Paul S., Philadelphia, Pa., and E. J. Richards, Baltimore, Md., assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. Automatic stamping machine. 1,832,501; Nov. 17.

Pitter Trust. (See Pitter, Walter C., assignor.)

Pitter, Walter C., Eltham, England, assignor to Pitter Trust, a common-law trust. Speed changing gear and clutch therefor. 1,816,295; July 28.

Pittevil, Marcel L. (See Stehlik, R. F., and Pittevil.)

Pittler, Robert H., Los Angeles, Calif. Golf game. 1,818,749; Aug. 11.

Pittman, Clovis C., assignor of one-half to T. G. McClatchey, New York, N. Y. Cylinder lining. 1,825,678; Oct. 6.

Pittman, George H., Jackson Heights, N. Y. Machine for automatically playing phonograph records. 1,802,830; Apr. 28.

Pittman, George H., Jackson Heights, N. Y. Phonograph. 1,802,831; Apr. 28.

Pittman, Henry L., Westfield, N. J., assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,827,298; Oct. 13.

Pittman, Walter F. (See Ford, G. F., and Pittman.)

Pittock, John W., Swarthmore, Pa. Preserving process. 1,824,685; Sept. 22.

Pittoni, Angelo, Lynbrook, assignor to The Rome Company, Inc., Rome, N. Y. Folding bed. 1,824,925; Sept. 29.

Pittoni, Louis E., Jamaica, N. Y., assignor to The Rome Company, Inc. Tufted mattress. 1,823,700; Sept. 15.

Pitts, Frederick W., assignor to Michigan Steel Corporation, Detroit, Mich. Apparatus for normalizing steel sheets. 1,827,038; Oct. 13.

Pitts, George B., Cleveland Heights, assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,835,808; Dec. 8.

Pitts, Jacob J., New York, N. Y. Extension windshield wiper. 1,827,906; Oct. 20.

Pittsburgh Brush Company. (See Jacobs, Franklin D., assignor.)

Pittsburgh Cleanser Laboratory, Inc. (See Halsey, Norman W., assignor.)

Pittsburgh Equitable Meter Company. (See Armstrong, James R., assignor.)

Pittsburgh Equitable Meter Company. (See Armstrong, J. R., and Duncan, assignors.)

Pittsburgh Equitable Meter Company. (See Chrisman, Horace, assignor.)

Pittsburgh Equitable Meter Company. (See Chrisman, H., and Mac Lean, assignors.)

Pittsburgh Equitable Meter Company. (See Chrisman, H., and Madison, assignors.)

Pittsburgh Equitable Meter Company. (See Holmes, Abram G., assignor.)

Pittsburgh Equitable Meter Company. (See Kerr, Arthur J., assignor.)

Pittsburgh Equitable Meter Company. (See MacLean, Allen D., assignor.)

Pittsburgh Equitable Meter Company. (See Weymouth, Harry G., assignor.)

Pittsburgh Pipe & Coupling Company. (See Lamond, John, assignor.)

Pittsburgh Plate Glass Company. (See Clause, Robert L., assignor.)

Pittsburgh Plate Glass Company. (See Conn, Roy C., assignor.)

Pittsburgh Plate Glass Company. (See Currie, Kent D., assignor.)

Pittsburgh Plate Glass Company. (See Evans, Albert E., assignor.)

Pittsburgh Plate Glass Company. (See Evans, A. E., and Nameche, assignors.)

Pittsburgh Plate Glass Company. (See Fox, John H., assignor.)

Pittsburgh Plate Glass Company. (See Fox, J. H., and Hitner, assignors.)

Pittsburgh Plate Glass Company. (See Fox, J. H., and Owen, assignors.)

Pittsburgh Plate Glass Company. (See Gastan, Frank, assignor.)

Pittsburgh Plate Glass Company. (See Gelstarp, Frederick, assignor.)

Pittsburgh Plate Glass Company. (See Halbach, Howard L., assignor.)

Pittsburgh Plate Glass Company. (See Harrington, Alfred L., assignor.)

Pittsburgh Plate Glass Company. (See Hitchcock, Halbert K., assignor.)

Pittsburgh Plate Glass Company. (See Hitner, Harry F., assignor.)

Pittsburgh Plate Glass Company. (See Johnson, Alfred J., assignor.)

Pittsburgh Plate Glass Company, The. (See Mertes, Robert G., assignor.)

Pittsburgh Plate Glass Company. (See Miller, Robert A., assignor.)

Pittsburgh Plate Glass Company. (See Moxley, Claud, assignor.)

Pittsburgh Plate Glass Company. (See Owen, William, assignor.)

Pittsburgh Plate Glass Company. (See Rotheram, John, assignor.)

Pittsburgh Plate Glass Company. (See Spinasse, Arthur E., assignor.)

Pittsburgh Plate Glass Company. (See Wright, Gordon E. P., assignor.)

Pittsburgh Plate Glass Company. (See Wright, G. E. P., and Maxwell, assignors.)

Pittsburgh Reflector Company. (See Hopkin, Alfred, jr., assignor.)

Pittsburgh Research Corporation. (See Moore, William E., assignor.)

Pittsburgh Screw & Bolt Corporation. (See Costin, William G., assignor.)

Pittsburgh Screw and Bolt Corporation. (See Dicks, Thomas A., assignor.)

Pittsburgh Screw & Bolt Corporation. (See Lowery, William, assignor.)

Pittsburgh Screw and Bolt Corporation. (See Shrum, Peter J., assignor.)

Pittsburgh Screw & Bolt Corporation. (See Smith, George S., assignor.)

Pittsburgh Steel Company. (See Brandt, Lewis, assignor.)

Pittsburgh Tag Company. (See Magidson, Frank, assignor.)

Pittsburg Water Heater Company. (See Kolts, John H., assignor.)

Pittsburgh Water Heater Company. (See Lapp, E. Krah, and Wolpert, assignors.)

Pivak, Joel L., New York, N. Y. Adjustable cover for cockpits. 1,806,366. May 19.

Pixley, Judson S., assignor to Armspear Manufacturing Company, New York, N. Y. Signal lantern. 1,797,178; Mar. 17.

Pixley, Judson S., New York, assignor to Armspear Manufacturing Company, New York, N. Y. Signal lantern. 1,801,021; Apr. 14.

Place, Alfred W., assignor to The Superior Universal Products Company, Bowling Green, Ohio. Universal joint. 1,790,677; Feb. 3.

Place, Roland P., Midland, assignor to Roland P. Place Co., Midland, Mich. Combination dressing and grinding wheel. 1,829,057; Oct. 27.

Place, Roland P., assignor to Roland P. Place Co., Midland, Mich. Mechanism for truing and dressing grinding wheels. 1,834,179; Dec. 1.

Place, Roland P., Co. (See Place, Roland P., assignor.)

Pladson, Carl H., Binscarth, Manitoba, Canada. Hog grip and hook. 1,822,822; Sept. 8.

Plamann, Gust. (See Schillo, G., and Plamann.)

Plancq, Fernand, Paris, France. Polishing machine. 1,839,118; Dec. 29.

Planer, Paul. (See Geyling, R., and Planer.)

Planert, Emil J. P., Union City, N. J. Humidifier. 1,808,935; June 9.

Planert, F. W., & Sons, Inc. (See Planert, Fred W., assignor.)

Planert, Fred W., assignor to F. W. Planert & Sons, Inc., Chicago, Ill. Roller skate construction. 1,837,921; Dec. 22.

Plant, Leland G., Chicago, Ill. Locomotive boiler washing plant. 1,832,914; Nov. 24.

Plante, Frank X., Sloatsburg, N. Y. Fastening device for shirts. 1,807,546; May 26.

Plantiko, William F., Stevens Point, Wis. Toy vehicle. 1,798,755; Mar. 31.
Plass, Robert H., Montclair, assignor to The Chapal Donner Corporation, Newark, N. J. Pelt dehairing machine. 1,808,787; June 9.
Plass, Robert H., Upper Montclair, N. J., assignor to A. Kimball Company, New York, N. Y. Price ticket tie-on machine. 1,815,214; July 21.
Plastic, Inc. (See Burgess, Laurie L., assignor.)
Plastic, Inc. (See Kennedy, Arthur L., assignor.)
Platel, Noël, Totowa, N. J. Hair curling device. 1,810,678; June 16.
Platen-Munters Refrigerating System Aktiebolag. (See Bäckström, Sigurd M., assignor.)
Platen-Munters Refrigerating System, Aktiebolag. (See Blomqvist, Gustav, M. J., assignor.)
Platen-Munters Refrigerating System Aktiebolag. (See Maiuri, G., and Bossini, assignors.)
Platen-Munters Refrigerating System, Aktiebolag. (See Munters, Carl G., assignor.)
Plato, Gerhardt, Chicago, Ill. Rotary engine. 1,799,527; Apr. 7.
Platt, Archie W., assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Rotary cut-off mechanism. 1,836,390; Dec. 15.
Platt, Arthur I., Fairfield, assignor to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Wrench kit holder. 1,809,450; June 9.
Platt Brothers & Company Limited, et al. (See Shimwell, Oliver, assignor.)
Platt Brothers and Company Limited. (See Wilkinson, Henry, assignor.)
Platt, Harry E., Ottumwa, Iowa. Pressure-operated valve mechanism. 1,797,618; Mar. 24.
Platt, Harry E., Ottumwa, Iowa. Signaling device. 1,803,808; May 5.
Platt, Haviland H., Wallingford, Pa. Sail. 1,793,373; Feb. 17.
Platt, Haviland H., Wallingford, assignor to F. W. Wilkening, Philadelphia, Pa. Aircraft. 1,795,501; Mar. 10.
Platt, Herbert. (See Dreyfus, C., and Platt.)
Platt, Herbert. (See Dreyfus, C., Dort, and Platt.)
Platt, Herbert. (See Dreyfus, C., Whitehead, and Platt.)
Platt, Herbert, Cumberland, Md., assignor to Celanese Corporation of America. Treating fabrics. 1,802,956; Apr. 28.
Platt, Herbert, Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Printing of fabrics containing organic derivatives of cellulose. 1,822,453; Sept. 8.
Platt, Herbert, Cumberland, Md., and N. C. Shane, jr., Paterson, N. J., assignor to Celanese Corporation of America. Apparatus for treating fabrics. 1,833,854; Nov. 24.
Platt, Joseph B., New York, N. Y. Fountain pen holder. Des. 85,054; Sept. 8.
Platt, Maurice, assignor to Peerless Pearl Company, Camden, N. J. Method and apparatus for making button blanks. 1,790,946; Feb. 3.
Platter, Orval R., North Vernon, Ind. Canopy settee. Des. 83,569; Mar. 3.
Plausics, Alexander. (See d'Humy, F. E., Beardsley, and Plausics.)
Plaut, Antoine P., Flint, Mich. Oil burner. 1,808,569; June 2.
Plaxco, Frederick R., and I. L. Foster, Long Beach, Calif. Iron rest. 1,812,270; June 30.
Player, Sydney. (See Indge, H. S., and Player.)
Player, Sydney, and H. S. Indge, Westboro, assignors to Norton Company, Worcester, Mass. Method of and apparatus for dressing abrasive laps. 1,805,955; May 19.
Pleas, Charles, Eagle Lake, Fla. Serrated-edge hoe. 1,793,290; Feb. 17.
Pleasance, Edwin, assignor to Packard Motor Car Company, Detroit, Mich. Work supporting arbor. 1,830,130; Nov. 3.
Pleasants, Arthur H., Baltimore, Md. Locating device for maps. 1,795,796; Mar. 10.
Plechl, Otto. (See Ritter, A., and Plechl.)
Pledger, Charles R., Kearney, Nebr. Nonglare headlight. 1,810,623; June 16.
Pledger, Harry W., Ogden, Utah. Drinking fountain for poultry. 1,821,478; Sept. 1.
Pleiss, Walter H., assignor to Handy Things Manufacturing Company, Ludington, Mich. Towel rack. 1,796,344; Mar. 17.
Pleister, Henry W., Westfield, assignor to H. B. Newhall Corporation, Garwood, N. J. Expansion nail. 1,798,273; Mar. 31.
Pleister, Henry W., Westfield, assignor to Henry B. Newhall Corporation, Garwood, N. J. Hammer-drive bolt anchor, bridle ring, and cable clamp. 1,799,245; Apr. 7.
Pleister, Henry W., Westfield, assignor to H. B. Newhall Corporation, Garwood, N. J. Bolt anchor and method. 1,808,318; June 2.
Pleister, Henry W., Westfield, and J. Karitzky, assignors to Henry B. Newhall Corporation, Garwood, N. J. Drop-wire support. 1,791,283; Feb. 3.
Pleister, Henry W., Westfield, and J. Karitzky, assignors to H. B. Newhall Corporation, Garwood, N. J. Drive ring. 1,804,807; May 12.
Plenge, Edward B., Schenectady, N. Y., assignor to General Electric Company. Dynamo electric machine. 1,834,803; Dec. 1.
Pleukharp, Claude W., and H. Raynes, San Francisco, Calif., assignors, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass feeding machine. 1,823,062; Sept. 15.
Plews, William J., assignor to Nichols Products Corporation, New York, N. Y. Confining an area containing fluid exerting a pressure. 1,838,446; Dec. 29.
Plibrico Jointless Firebrick Company. (See Anderson, John E., assignor.)
Plibrico Jointless Firebrick Company. (See Pieters, Ivon S., assignor.)
Plimpton, Bentley A., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator pin. 1,793,191; Feb. 17.
Plimpton, Bentley A., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator pin and making same. 1,832,240; Nov. 17.
Plint, Alexander F., Henley-on-Thames, assignor to Stuart Turner Limited, Henley-on-Thames, Oxford, England. Pulsator for milking machines. 1,821,986; Sept. 8.
Ploeger, Clyde E. (See Collins, W. D., and Ploeger.)
Ploeger, Clyde E. (See Peltier, F. D., and Ploeger.)
Ploeger, Clyde E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Valve. 1,810,498; June 16.
Ploeger, Clyde E., Evansville, Ind., assignor to Servel Inc., New York, N. Y. Refrigeration. 1,838,040; Dec. 22.
Ploeger, Clyde E., and W. D. Collins, Evansville, Ind., assignors to Servel Inc., New York, N. Y. Refrigeration. 1,838,041; Dec. 22.
Plonus, David, Jersey City, N. J. Shoe polish applier. 1,818,930; Aug. 11.
Plooster, Neal W., St. Paul, Minn. Shopping bag. 1,808,375; June 2.
Plough, Theodore, assignor to Phoenix Hosiery Company, Milwaukee, Wis. Hosiery form. 1,830,001; Nov. 3.
Plourde, Harvey J., River Rouge, Mich. Retarding and mixing apparatus for internal-combustion engines. 1,798,492; Mar. 31.
Plow-Mate, Inc., The. (See Soule, George M., assignor.)
Plow-Mate Incorporated, The. (See Stoltz, C. A., and Krastin, assignor.)
Plum, William T., jr., Oakhurst, N. J. Sound apparatus. 1,792,603; Feb. 17.
Plumb, Charles C., Providence, R. I. Apparatus for transmitting heat. 1,790,555; Jan. 27.
Plumb, Frederic W., assignor to The Narrow Fabric Co., West Reading, Pa. Braiding machine. 1,837,582; Dec. 22.
Plumer, James T., Niles, Mich. Sprinkling apparatus. 1,832,915; Nov. 24.
Plumley, Raymond L., Brooklyn, assignor to Frederick Osann Company, New York, N. Y. Clutch mechanism. 1,802,477; Apr. 28.
Plumley, Stuart, assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Cutting torch. 1,808,967; June 9.
Plumley, Stuart, assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Cutting torch. 1,808,968; June 9.
Plummer, Charles St. C. (See Kermode, W. M., and Plummer.)
Plummer, Edgar P., assignor of one-half to Paul Fayolle, Regina, Saskatchewan, Canada. Heater. 1,806,216; May 19.
Plummer, Henry G., assignor to Pacific Coast Engineering Company, Oakland, Calif. Flexible pipe-joint. 1,821,274; Sept. 1.
Plummer, Rebecca, Pine Bluff, Ark. Article carrier. 1,795,672; Mar. 10.
Plummer, Sidney G., Oakland, Calif. Swivel joint for pipes. 1,808,066; June 2.
Plummer, Sidney G., Oakland, Calif. Pontoon. 1,821,320; Sept. 1.
Plumstead, Joseph E., Wilmington, Del., assignor to The Jessup & Moore Paper Co., Philadelphia, Pa. Producing puffed pulp. 1,830,131; Nov. 3.
Plunkett, John H., Los Angeles, Calif. Reenforcing stucco and plaster backing. 1,793,634; Feb. 24.
Plunkett, John H., Beverly Hills, Calif., assignor to Flintkote Company, Boston, Mass. Waterproof construction material. 1,813,081; July 7.
Plüschweberei Grefrath Aktiengesellschaft. (See Görner, Arthur, assignor.)
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Store-front construction. 1,797,924; Mar. 24.
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Store-front construction. 1,797,925; Mar. 24.
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Window construction. 1,820,947; Sept. 1.
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Screw. 1,825,419; Sept. 29.
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Store front construction. 1,828,509; Oct. 20.
Plymouth Cordage Company. (See Huntress, Ernest H., assignor.)
Plympton, Frederic K., Southport, assignor to N. D. Plympton, Fairfield, Conn. Closure for milk bottles and other containers. 1,809,791; June 9.
Plympton, Naomi D. (See Plympton, Frederic K., assignor.)
Plywood Products Company. (See Larkins, Joseph E., assignor.)
Pneumatic Appliances, Inc. (See Morgan, Purley V., assignor.)

Pneumatic Conveyance & Extraction (1929) Limited. (See Smith, William A., assignor.)
Pneumatic Scale Corporation. (See English, Analdo M., assignor.)
Pneumatic Scale Corporation. (See Gustafson, Henry A., assignor.)
Pneumatic Scale Corporation. (See Howard, Stanley R., assignor.)
Pneumatic Scale Corporation. (See Howard, S. R., and Everett, assignors.)
Pneumatic Scale Corporation, Limited. (See Doble, Ralph N., assignor.)
Pneumatic Scale Corporation, Limited. (See Gale, Charles E., assignor.)
Pneumatic Scale Corporation, Limited. (See Gustafson, Henry A., assignor.)
Pneumercator Company. (See Thomas, William, assignor.)
Poberejsky, Jacques, Bois-Colombes, France. Protective lining for tanks. 1,804,274; May 5.
Pocahontas Oil Company, The. (See Campbell, Douglas S., assignor.)
Pochyla, Adolph A., McGregor, Tex. Lemon squeezer. 1,835,966; Dec. 8.
Pocock, Merton A., et al. (See Sager, Lee R., assignor.)
Podel, Abraham, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Hermetic seal. 1,813,949; July 14.
Poderzaj, Ivan. (See Hansen, E., and Poderzaj.)
Podgorski, Max E., and L. N. Solden, Milwaukee, Wis. Device for extending adjustable window screens. 1,834,967; Dec. 8.
Podlejši, Ottomar, Vienna, Austria, assignor to the Firm Gesellschaft fuer Patentverwaltung A. G., Schaffhausen, Switzerland. Type-wheel typewriter. 1,830,766; Nov. 10.
Podliasky, Ilia, Paris, France. Thermionic tube circuit. 1,830,175; Nov. 3.
Podmore, Arthur, Hatch End, Middlesex, England, assignor to American Machine & Foundry Company, New York, N. Y. Cut-off mechanism of cigarette making machines. 1,836,550; Dec. 15.
Podszus, Leopold, Berlin-Charlottenburg, Germany. Carburetor. 1,800,229; Apr. 14.
Poe, Alfred L., Jacksonville, Fla. Bicycle lock. 1,818,000; Aug. 18.
Poe, Thomas O., Massillon, Ohio. Making and setting tubular well screens. 1,809,569; June 9.
Poen, Ontje, Matheson, Colo. Automobile towing attachment. 1,835,520; Dec. 8.
Poeppelmeier, Frank H., assignor to The Set-O-Type Company, Dayton, Ohio. Type locking quad. 1,834,742; Dec. 1.
Poeter, Edward, Irvington, N. J., assignor to A. Anish, New York, N. Y. Coin-holder. 1,833,037; Nov. 24.
Poetsch, Walter R., Chicago, Ill. Molding machine. 1,799,529; Apr. 7.
Poettich, Henry, New York, N. Y. Insulated receptacle. 1,832,502; Nov. 17.
Poffenberger, Noland. (See Putnam, S. W., and Poffenberger.)
Poggemeier, Edward H. (See Willy, Edwin C., assignor.)
Pogue, Charles N., assignor to A. J. Andrews, Winnipeg, Manitoba, Canada. Forming combustible mixtures. 1,792,239; Feb. 10.
Pogue, Charles N., assignor to A. J. Andrews, trustee, Winnipeg, Manitoba, Canada. Carburetor. 1,809,531; June 9.
Pohl, Albert M. J., and A. A., Spokane, Wash. Overload vehicle spring. 1,824,295; Sept. 22.
Pohl, Arthur A. (See Pohl, Albert M. J. and A. A.)
Pohl, Eduard. (See Wagner, A., and Pohl.)
Pohl, Ernest F., assignor to Automatic Fire Extinguisher and Alarm Corporation, St. Louis, Mo. Combined fire extinguisher and alarm. 1,823,219; Sept. 15.
Pohl, Ernst, Kiel, Germany. Röntgen tube. 1,790,073; Jan. 27.
Pohl, Robert, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Turbo-generator. 1,815,795; July 21.
Pohl, Robert, Berlin, Germany, assignor to General Electric Company. Dynamo electric machine. 1,816,795; July 28.
Pohle, Fritz. (See Kaselitz O., and Pohle.)
Pohlson, Carl V., Pawtucket, R. I. Holder for pipe cleaners. Des. 83,748; Mar. 24.
Pohs, Harry L., Brooklyn, N. Y. Playing card. 1,794,866; Mar. 3.
Pohu, Georges E. A., London, England. Electric circuit coupling device. 1,829,109; Oct. 27.
Poinsett, Thomas, East Prairie, Mo. Stave brushing and polishing machine. 1,836,499; Dec. 15.
Pointon, John E. (See Harber, L. S., and Pointon.)
Poirier, Wilfred A., et al. (See Vargo, Michael, assignor.)
Poirot, Louis C. A., Villemonble Seine, France. Bench convertible into bedstead for vehicles. 1,820,155; Aug. 25.
Pokall, Fred. (See Wolff, J. C., and Pokall.)
Pokora, Charles, Milwaukee, Wis. Indicating device. 1,807,172; May 26.
Pokorny, Adolph F. J., St. Paul, Minn. Stenciling device. 1,813,711; July 7.
Pokorný, Ermin, and J. Nesměrák, Prague, Czechoslovakia. Device for cutting vegetables. 1,809,792; June 9.
Pokorny, Ernst. (See Jaeger, M., Pokorny, and Gossrau.)
Pokorny, Ernst, Leipzig, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing phosphorus. 1,836,618; Dec. 15.
Pokorny, Frank, Mamaroneck, N. Y. Control means for heating fuel mixtures supplied to internal combustion engines. 1,824,926; Sept. 29.
Pokorny, Frank, Mamaroneck, assignor of one-half to F. W. Keegan, New York, N. Y. Mixing device. 1,795,036; Mar. 3.
Polacek, Egon. (See Polacek, Milton and E.)
Polacek, Milton and E., Cleveland, Ohio. Baby bath appliance. 1,808,376; June 2.
Polachek, John, New York, J. A. Jepsen and E. Peremi, Elmhurst, assignors to General Bronze Corporation, New York, N. Y. Cross rail spring catch for windows. 1,808,607; June 2.
Polachek, John, New York, J. A. Jepsen and E. Peremi, Elmhurst, assignors to General Bronze Corporation, Long Island City, N. Y. Antirattling spring for window sashes. 1,808,608; June 2.
Polachek, John, New York, J. A. Jepsen and E. Peremi, Elmhurst, assignors to General Bronze Corporation, Long Island City, N. Y. Flat spring antirattling device for windows. 1,808,609; June 2.
Polaire, Zero, Salem, Oreg. Latch. 1,821,847; Sept. 1.
Polak, Albert V., Atlanta, Ga. Display device. 1,832,789; Nov. 17.
Polak, Gabriel, deceased, Forest City, Pa.; H. Polak, administratrix of said Gabriel Polak. Insulator. Re18,202; Sept. 22.
Polak, Gabriel, deceased, Forest City, Pa.; H. Polak, administratrix, assignor of thirty-five one-hundredths to J. Farkas. Automatic crossing gate. 1,806,497; May 19.
Polak, Helen, administratrix. (See Polak, Gabriel.)
Polák, Josef, Prague, Czechoslovakia. Casting machine. 1,818,931; Aug. 11.
Polakoff, George, assignor to C. F. Guthridge, Los Angeles, Calif. Track-laying tractor. 1,792,759; Feb. 17.
Polansky, Arpad, New York, N. Y. Collapsible umbrella. 1,797,019; Mar. 17.
Polanyi, Michael, Berlin-Zehlendorf-Mitte, and S. von Bogdandy, Berlin-Dahlem, Germany. Producing an intimate mixture of mutually insoluble substances. 1,825,125; Sept. 29.
Polar Products, Inc. (See Grayson, R. V., and Foster, assignors.)
Polar Vend Corporation. (See Webber, George R., assignor.)
Polderman, Pieter, assignor of one-half to G. F. Beniest, Ijmuiden, Netherlands. Turning device for turning off shafts, crank shafts, and other machine parts on the spot. 1,833,589; Nov. 24.
Poleck, Hans, Berlin-Lichterfelde, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt; near Berlin, Germany. Apparatus for determining the distance to ground connections in electric conductors. 1,825,754; Oct. 6.
Polgar, William, Bronx, N. Y. Mechanical collecting container. 1,795,966; Mar. 10.
Polhemus, John F. (See Slocum, B. A., and Polhemus.)
Polin, Herbert S., San Francisco, Calif., assignor to Polin, Inc., New York, N. Y. Audiphone. Des. 83,749; Mar. 24.
Polin, Inc. (See Polin, Herbert S., assignor.)
Poling, Cloyd C., Dormont, Pittsburgh, Pa. Cigarette snuffer. 1,815,955; July 28.
Polinkowsky, Lipa. (See Deakin, G., and Polinkowsky.)
Polk, Edward H., Sacramento, Calif. Deck for trucks, trailers, and the like. 1,820,321; Aug. 25.
Polk, Ralph B., Haines City, Fla. Apparatus for packing materials. 1,788,958; Jan. 13.
Polkosnik, Bernard L. (See Donaldson, J. W., and Polkosnik.)
Polkosnik, Bernard L., West Haven, Conn. Combined card and stencil for visible indexes. 1,820,090; Aug. 25.
Polkosnik, Bernard L., Derby, Conn. Pulley guard and hanger. 1,820,322; Aug. 25.
Pollack, J. O., & Company. (See Pollack, Joseph O., assignor.)
Pollack, Joseph O., Chicago, Ill. Clutch and brake. 1,829,536; Oct. 27.
Pollack, Joseph O., assignor to J. O. Pollack & Company, Chicago, Ill. Nurse's badge. Des. 85,763; Dec. 15.
Pollack, Lazurus W., Brooklyn, N. Y. Doll's eyes and mounting therefor. 1,807,091; May 26.
Pollak, Abraham, Far Rockaway, N. Y., assignor to Art Metal Works, Inc., Newark, N. J. Lighter. 1,800,957; Apr. 14.
Pollak Steel Company, The. (See Paque, Edward J., assignor.)
Pollard, Carl I., Wheelersburg, Ohio, assignor to United Shoe Machinery Company, Paterson, N. J. Heel-making machine. Re17,942; Jan. 27.
Pollard, Elmer L., and J. E. Sherrill, Chino, Calif. Thornless young dewberry. Pl. Pat. 4; Oct. 20.
Pollard, Frédéric A., Vincennes, France. Refrigerating machine. 1,835,081; Dec. 8.
Pollard, Gurdon T. (See Hild, F. W., and Pollard.)
Pollard, Harold J., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Aircraft structure. 1,813,814; July 7.
Pollard, Norman L. (See Klemm, E. O., and Pollard.)
Pollard, Willard L. (See Dodge, A. Y., and Pollard.)

Pollasky, Arthur R., Milwaukee, Wis. Spacing mechanism. 1,796,939; Mar. 17.
Pollen Filter Incorporated, The. (See Gieseler, George A., assignor.)
Polleys, Charles G., assignor of one-half to R. J. Regnier, jr., Providence, R. I. Folding cushion seat. 1,814,408; July 14.
Polleys, Herbert R., New Haven, Conn., assignor to National India Rubber Company, Bristol, R. I. Coating and marking machine. 1,804,479; May 12.
Polleys, Herbert R., New Haven, Conn., assignor to National India Rubber Company, Bristol, R. I. Cement applying machine. 1,804,480; May 12.
Polleys, Herbert R., New Haven, Conn., assignor to National India Rubber Company, Bristol, R. I. Latex applying machine. 1,804,481; May 12.
Polleys, Herbert R., New Haven, Conn., assignor to National India Rubber Company, Bristol, R. I. Cementing machine. 1,831,543; Nov. 10.
Pollinger, Morris D., Ferguson, Mo. Card supporting clip. 1,838,786; Dec. 29.
Pollitzer, Franz, Solln, by Munich, Germany. Fractionating, cooling, and condensing gas mixtures. 1,804,432; May 12.
Pollnow, Charles F. (See Renzenhausen, R. L., and Pollnow.)
Pollock, Alan A., Leamington Spa, England, assignor to General Electric Company. Propulson of multiple-screw ships. 1,802,184; Apr. 21.
Pollock, Archibald F. and D. A., Jedburgh, Scotland, assignors of one-third to Edwin K. Scheftel, Paris, France. Recording and reproducing sound. 1,815,010; July 14.
Pollock, David A. (See Pollock, Archibald F. and D. A.)
Pollock, Edward D., Westwood, N. J. Toothbrush. 1,817,096; Aug. 4.
Pollock, Humphrey R., assignor to R. J. Paton, London, England. Direction and movement indicator for vehicles. 1,823,985; Sept. 22.
Pollock, Leopold, New Rochelle, assignor to S. Pollock, Yonkers, N. Y. Check protecting device. 1,834,532; Dec. 1.
Pollock, Meyer, assignor to Reliable Belt Company, Inc., Chicago, Ill. Belt. 1,833,175; Nov. 24.
Pollock, Robert, Glendale, Calif. Toy airplane. 1,792,760; Feb. 17.
Pollock, Robert T., New York, N. Y., assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,799,530; Apr. 7.
Pollock, Robert T., New York, N. Y., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for cracking oils. 1,804,028; May 5.
Pollock, Robert T., New York, N. Y., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for cracking oil. 1,835,809; Dec. 8.
Pollock, Robert T., New York, N. Y., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating oils. 1,839,049; Dec. 29.
Pollock, Robert T., Boston, Mass., assignor to Universal Oil Products Company, Chicago, Ill. Vapor chamber. 1,827,106; Oct. 13.
Pollock, Robert T., Boston, Mass., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating hydrocarbon oil. 1,828,440; Oct. 20.
Pollock, Robert T., Boston, Mass., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for distilling oil. 1,835,810; Dec. 8.
Pollock, Sheldon. (See Pollock, Leopold, assignor.)
Pollopas Limited. (See Ostersetzer, A., and Risenfeld, assignors.)
Pollopas Limited. (See Ripper, Kurt, assignor.)
Polson, Alexander. (See Eckersley, James E., assignor.)
Polson, William F., Buffalo, N. Y. Knife sharpener. 1,810,727; June 16.
Polson, William R., and H. C. Evans, Bruneau, Idaho. Controlling-valve mechanism for liquid-lifting apparatus. 1,787,916; Jan. 6.
Polydoroff, Wladimir J., assignor to Johnson Laboratories, Incorporated, Chicago, Ill. Radio circuits. 1,827,332; Oct. 13.
Polysius, Firm G. (See Luther, Fritz, assignor.)
Polysius, G. (See Luther, Fritz, assignor.)
Polysius, G., Aktiengesellschaft, Firm. (See Hasselbach, Alexander, assignor.)
Polzer, Fridolin, South Norwalk, Conn. Stapling machine. 1,829,537; Oct. 27.
Pomeranz, Jacob J. (See Tanasso, V., and Pomeranz.)
Pomeranz, Jacob J., Brooklyn, N. Y. Folding eyeglass frame. 1,828,847; Oct. 27.
Pomernacki, Valerius, Chicago, Ill. Aquarium. Des. 85,201; Sept. 22.
Pomeroy, Arthur L. (See Dirkes, R. F., and Pomeroy.)
Pomeroy, George G. (See Watts, Vilas E., assignor.)
Pomeroy, Percy W., South Bend, Ind., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Combined fender and head lamp. Des. 83,697; Mar. 17.
Pomeroy, Percy W., South Bend, Ind., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Combined fender and head lamp. Des. 83,698; Mar. 17.
Pomeroy, Roy J., Hollywood, Calif. System for correcting sound records. 1,828,940; Oct. 27.
Pomeroy, Roy J., Hollywood, Calif. System for modifying sound records. 1,835,962; Dec. 8.
Pomeroy, Roy J., Los Angeles, Calif. System for correcting sound records. 1,828,941; Oct. 27.
Pomeroy, Roy J., Los Angeles, Calif. Production of corrected sound records. 1,828,942; Oct. 27.
Pomeroy, Roy J., Los Angeles, Calif. Sound recording system. 1,838,447; Dec. 29.
Pomeroy, Roy J., assignor of one-half to Paramount Publix Corporation, Los Angeles, Calif. Making composite pictures. 1,788,740; Jan. 13.
Pomeroy, Roy J., Los Angeles, Calif., assignor of one-half to Paramount Publix Corporation. Composite photographic method and apparatus. 1,818,354; Aug. 11.
Pomeroy, Roy J., Los Angeles, Calif., assignor of one-half to Paramount Publix Corporation. Multiplex sound recording and reproducing system. 1,833,372; Nov. 24.
Pomeroy, Roy J., Hollywood, Calif., assignor of one-half to Paramount Publix Corporation. Balanced sound recording and reproducing system. 1,833,373; Nov. 24.
Pomeroy, S. H., Company. (See Washburn, Loring, assignor.)
Pomeroy, William D., assignor to Goulds Pumps Incorporated, Seneca Falls, N. Y. Car-washing apparatus. 1,789,944; Jan. 20.
Pomfret, Margaret, Morecambe, England. Broom, mop, squeegee, and the like. 1,838,448; Dec. 29.
Pomplum, Emil, and W. Jennerjahn, Cudahy, Wis., assignors to The Fisk Rubber Company, Chicopee Falls, Mass. Pattern cam for engraving machines. 1,787,761; Jan. 6.
Ponarouse, George, San Francisco, Calif. Hair curler. 1,810,785; June 16.
Poncel, Alexis, Long Island, assignor of forty-nine per cent to P. Desfosse, Brooklyn, N. Y. Radio receiving apparatus. 1,801,022; Apr. 14.
Poncel, Alexis, Long Island, assignor of forty-nine per cent to P. Desfosse, New York, N. Y. Radio receiving apparatus. 1,807,343; May 26.
Poncet, Alexandre, Paris, France. Machine for tubular weaving. 1,813,762; July 7.
Pond, E. K., Company. (See Case, George C., assignor.)
Pond, Edwin. (See Wilson, M. L., and Pond.)
Pond, Leander N., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Method of and apparatus for rolling glass sheets. 1,801,689; Apr. 21.
Pond, Leander N., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Apparatus for the manufacture of wire glass. 1,824,366; Sept. 22.
Pond, Leander N., and J. H. Lewis, assignors to Blue Ridge Glass Corporation, Kingsport, Tenn. Process of and apparatus for the manufacture of wire glass. 1,824,365; Sept. 22.
Pond, Shepard, Winchester, Mass., assignor to Warren Telechron Company. Clock case. Des. 84,953; Aug. 25.
Pond, Thomas W. M. (See Färber, E., Minkoff, and Pond.)
Pond's Extract Company. (See Tarleton, John V., assignor.)
Pond's Extract Company. (See Young, Lloyd V., assignor.)
Poniatoff, Alexander M., Philadelphia, Pa., assignor to General Electric Company. Electrical contact structure. 1,833,757; Nov. 24.
Pönisch, Max, Leipzig, Germany. Machine for making cream caramels and other caramels. 1,839,050; Dec. 29.
Pons, Giulio. (See Bignami, I., Galassini, Franchi, and Pons.)
Pons, Helene, assignor to Van Raalte Company, Inc., New York, N. Y. Brassière. 1,798,274; Mar. 31.
Pons, John A., Valdese, N. C., assignor to Scott & Williams, Incorporated, New York, N. Y. Selective control of webholders. 1,821,848; Sept. 1.
Ponselle, Robert A., New York, N. Y. Sanding machine. 1,835,573; Dec. 8.
Pontecorvo, Lello, Milan, Italy. Longitudinal suspension for overhead contact lines for electric railways, tramways, etc. 1,831,685; Nov. 10.
Ponten, Jean S., Piedmont, and O. W. Ponten, Berkeley, Calif. Portable stadium seat. 1,809,392; June 9.
Ponten, Olaf W. (See Ponten, Jean S. and O. W.)
Pontiac Tractor Company. (See Wright, Norman A., assignor.)
Pool, Peter J., Clermont, Fla. Tobacco pipe. 1,790,719; Feb. 3.
Pool, Robert H. (See Hughes, G. A., and Pool.)
Poole, Arthur F., Westport, Conn., assignor to The Wahl Company, Chicago, Ill. Lead pencil. 1,805,673; May 19.
Poole, Arthur F., assignor to Poole Manufacturing Co., Inc., Ithaca, N. Y. Electric clock mechanism. 1,831,260; Nov. 10.
Poole, Arthur F., assignor to Poole Manufacturing Co., Inc., Ithaca, N. Y. Case for electric clocks. 1,831,261; Nov. 10.
Poole, Foster M., Kansas City, Mo., assignor to The Brown Instrument Company, Philadelphia, Pa. Pyrometer for metallurgical furnaces. 1,808,507; June 2.
Poole, John L., and H. J. G. Rudolf, Galesburg, assignors to Winslow Boiler and Engineering Company, Chicago, Ill. Burner. 1,818,865; Aug. 11.
Poole, Lora E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Machine for fluxing and coating electrical conductors. 1,789,709; Jan. 20.
Poole, Lora E., assignor to Delco-Remy Corporation, Anderson, Ind. Commutator-riveting machine. 1,800,567; Apr. 14.
Poole, Lora E., assignor to Delco-Remy Corporation, Anderson, Ind. Metal working machine. 1,828,379; Oct. 20.

Poole, Lora E., assignor to Delco-Remy Corporation, Anderson, Ind. Wire bending machine. 1,834,733; Dec. 1.
Poole, Lora E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Commutator assembling machine. 1,835,120; Dec. 8.
Poole, Lora E., assignor to Delco-Remy Corporation, Anderson, Ind. Process and apparatus for making electrical connectors. 1,836,500; Dec. 15.
Poole, Lora E., assignor to Delco-Remy Corporation, Anderson, Ind. Metal bending apparatus. 1,836,501; Dec. 15.
Poole, Lora E., assignor to Delco-Remy Corporation, Anderson, Ind. Metal bending apparatus. 1,836,502; Dec. 15.
Poole, Lora E., assignor to Delco-Remy Corporation, Anderson, Ind. Apparatus for making electrical connecters. 1,836,503; Dec. 15.
Poole, Lora E., J. Q. Holmes, Anderson, and L. C. Goad, Muncie, assignors to Delco-Remy Corporation, Anderson, Ind. Apparatus for making commutators. 1,828,441; Oct. 20.
Poole Manufacturing Co. (See Poole, Arthur F., assignor.)
Poole, Ralph E., Harlan, Iowa. Clover seed huller and scarifier. 1,821,767; Sept. 1.
Poole, Richard S. (See Kellogg, J. L., Foster, Poole, and Raymer.)
Poole, Roscoe D., assignor of one-half to H. A. Miller, Danvers, Mass. Last. 1,806,417; May 19.
Poorman, John G., Tinley Park, Ill. Feed structure. 1,808,433; June 2.
Poorman, John W., Blanchester, Ohio. Automatic tire pressure maintainer. 1,826,523; Oct. 6.
Pope, Arthur W., jr., assignor to Waukesha Motor Company, Waukesha, Wis. Internal-combustion engine. 1,787,760; Jan. 6.
Pope, Arthur W., jr., assignor to Waukesha Motor Company, Waukesha, Wis. Internal-combustion engine. 1,787,794; Jan. 6.
Pope, Arthur W., jr., assignor to Waukesha Motor Company, Waukesha, Wis. Fuel-supply structure. 1,797,588; Mar. 24.
Pope, Arthur W., jr., assignor to Waukesha Motor Company, Waukesha, Wis. Steam cooling system. 1,812,899; July 7.
Pope, Arthur W., jr., assignor to Waukesha Motor Co., Waukesha, Wis. Gas electric drive control. 1,831,823; Nov. 17.
Pope, Arthur W., jr., assignor to Waukesha Motor Company, Waukesha, Wis. Cooling system. 1,838,450; Dec. 29.
Pope, Charles S., assignor to Central Valve Mfg. Co., Chicago, Ill. Valve. 1,793,825; Feb. 24.
Pope, Daniel K., Cleveland, Ohio. Fastener for spring covers. 1,799,864; Apr. 7.
Pope, Daniel K., Cleveland, Ohio. Spring cover. 1,808,508; June 2.
Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Jack-top. 1,807,795; June 2.
Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel assembling machine. 1,835,082; Dec. 8.
Pope, Elton A., Oakville, assignor to The Chase Companies, Inc., Waterbury, Conn. Laundry tray faucet. 1,813,422; July 7.
Pope, Frank. (See Beaty, F. F., Elmore, and Pope.)
Pope, Harold L., Grand Rapids, assignor to Kelvinator Corporation, Detroit, Mich. Removable shelf support for refrigerators. 1,816,694; July 28.
Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon heels. 1,800,568; Apr. 14.
Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe nail. 1,805,553; May 19.
Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoemaking. 1,809,065; June 9.
Pope, Lee S., Greensboro, N. C. Alternating refrigeration bottled drink cooler. 1,827,856; Oct. 20.
Pope, Otis A., Ames, Iowa. Water powered rotating cleaning brush. 1,817,644; Aug. 4.
Pope, Paul M., assignor to A. Kimball Company, New York, N. Y. Printing machine. 1,836,551; Dec. 15.
Pope, Paul M., assignor to A. Kimball Company, New York, N. Y. Printing machine. 1,836,552; Dec. 15.
Pope, Reymond H., Baton Rouge, La. Gauge for measuring endless belts. 1,816,695; July 28.
Pope, Theodore F., Hominy, Okla. Manhole cover. 1,802,157; Apr. 21.
Pope, Turner T., assignor of one-half to G. L. Mims, Houston, Tex. Automatic chuck for paper rolls. 1,796,534; Mar. 17.
Pope, Turner T., assignor of one-half to G. L. Mims, Houston, Tex. Chuck for paper rolls. 1,823,164; Sept. 15.
Pope, William J., Cambridge, England. Gold succinimide compound and making the same. 1,819,384; Aug. 18.
Popejoy, H. R., et al. (See Swearingen, Herman G., assignor.)
Popenoe, Charles H. (See Wyson, Ansel S., assignor.)
Pöpke, Lars H., Solleftea, Sweden. Embankment for roads, railroads, and the like. 1,791,840; Feb. 10.
Popkin, Martin E., New York, N. Y. Cloth matching machine. 1,812,368; June 30.
Popp, George, Ambridge, Pa. Agricultural machine. 1,835,670; Dec. 8.
Popp, Hans C. R. (See Despard, V. R., and Popp.)
Popp, Rudolf, Valparaiso, Ind., assignor to McGill Manufacturing Company. Switch operating device. 1,806,821; May 26.
Popp, Rudolf, Valparaiso, Ind., assignor to McGill Manufacturing Company. Candle socket. 1,824,231; Sept. 22.
Popp, Rudolf, Valparaiso, Ind., assignor to McGill Manufacturing Company. Fixture mounting hickey. 1,825,920; Oct. 6.
Popp, Silvan R. (See McClintock, O. B., Popp, and Hanson.)
Poppe, George W., Brooklyn, N. Y., assignor to Equitable Paper Bag Co., Inc. Process and machine for making paper bags. 1,798,168; Mar. 31.
Poppenhäuser, Ferdinand, assignor to Towle Manufacturing Company, Newburyport, Mass. Plate or article of analogous nature. Des. 85,621; Nov. 24.
Poppensieker, Fritz. (See Schaerer, O., and Poppensieker.)
Popsicle Corporation of the United States. (See Krick, Leonard B. assignor.)
Popsicle Service, Inc. (See Strunk, Harry E., assignor.)
Popsicle Service, Inc., The. (See Thomas, Norman M., assignor.)
Poranski, Sophia, Elmhurst, N. Y. Vanity case. 1,818,351; Aug. 11.
Poranski, Walter, Long Island City. Compact. 1,792,030; Feb. 10.
Poranski, Walter, Chicago, Ill., assignor, by mesne assignments, to Saulen Mfg. Co., Inc., New York, N. Y. Lipstick. 1,793,192; Feb. 17.
Poranski, Walter, Chicago, Ill., assignor to Saulen Mfg. Co., Inc., New York, N. Y. Compact. 1,796,477; Mar. 17.
Porcelain Tile Corporation. (See Grigsby, O. E., and Haines, assignors.)
Porcelier Manufacturing Company. (See Dym, Jacob, assignor.)
Porcelier Manufacturing Company. (See Tauber, Hyman, assignor.)
Porco, Settimio, et al. (See Foti, Charles, assignor.)
Porell, Frank A., Sanford, Me. Latch. 1,795,502; Mar. 10.
Porges, George M., Orange, N. J., assignor to Kaumagraph Company, New York, N. Y. Combination stocking and label. 1,798,493; Mar. 31.
Porsche, Ferdinand, Stuttgart- Unterturkeim, assignor to Daimler-Benz Aktiengesellschaft, Berlin, Germany. Vacuum brake of motor vehicles. 1,801,174; Apr. 14.
Port Huron Sulphite & Paper Company. (See Haynes, Edward A., assignor.)
Portable Adding Machine Company. (See Barrett, Glenn J., assignor.)
Portable Adding Machine Company. (See Mapel, Clarence O., assignor.)
Portable Electric Tool Corporation. (See Pickering, Albert V., assignor.)
Portable Electric Tool Corporation. (See Pickering, A. V., and Moore, assignors.)
Portable Milling Company. (See Hollett, Robert E., assignor.)
Portail, Fernand C. F., Gennevilliers, assignor to Société Anonyme le Carbone, Paris, France. Carbureting process and apparatus. 1,795,037; Mar. 3.
Porte, René, assignor to Societe Hardoll (Etablissements Hariveau & Dolimier, et Rene Porte & Cie. reunis) Levallois Perret, France. Automatic gasoline feeding apparatus. 1,809,944; June 16.
Porter, Albert F., London, England. Vaporizer. 1,802,269; Apr. 21.
Porter, Arthur S. (See Skripkin, Frank, assignor.)
Porter-Cable Machine Company, The. (See Emmons, Arthur N., assignor.)
Porter, Charles A., Cumberland, Md. Hanger. 1,797,364; Mar. 24.
Porter, Edward A., Brattleboro, Vt. Humidistat. 1,791,375; Feb. 3.
Porter, Edward A., Brattleboro, Vt. Humidor. 1,791,376; Feb. 3.
Porter, Enos, Shelbyville, Ind. Collapsible ironing board. 1,793,826; Feb. 24.
Porter, Frank, assignor to Kay County Gas Company, Ponca City, Okla. Removal of oxygen from gases. 1,787,795; Jan. 6.
Porter, Frank, assignor, by mesne assignments, to Continental Oil Company, Ponca City, Okla. Process of and apparatus for the extraction of gasoline from natural gas. 1,838,449; Dec. 29.
Porter, Garnett H. (See Benner, R. C., and Porter.)
Porter, George, Berlin, N. J. Locator of abnormal sounds and vibrations. 1,811,558; June 23.
Porter, George F., deceased; Detroit Trust Company, executor, Detroit, Mich. Tower grillage. 1,796,720; Mar. 17.
Porter, George F., Detroit, Mich., and R. P. Porter, Spokane, Wash.; Detroit Trust Company, Detroit, Mich., executor of said G. F. Porter, deceased. Tube tunnel construction. 1,831,322; Nov. 10.
Porter, George F., Detroit Trust Company of Detroit, executor, and R. P. Porter. Detroit, Mich. Tube tunnel construction. 1,837,134; Dec. 15.
Porter, Graham L. (See Beard, J. R., and Porter.)

Porter, H. K., Inc. (See Porter Henry W., assignor.)
Porter, Harper R., Niles, assignor to The Columbus Machine Company, Columbus, Ohio. Making valve assemblies. 1,799,390; Apr. 7.
Porter, Harry F., Trenton, N. J. Magnetic alloy. 1,803,353; May 5.
Porter, Harry F., Trenton, N. J. Producing and refining alloys. 1,803,809; May 5.
Porter, Harry F., Trenton, N. J. Magnetic device. 1,803,868; May 5.
Porter, Harry F., Rochester, and D. M. Scott, Buffalo, N. Y. Magnetic device. 1,815,380; July 21.
Porter, Harry T., Riverside, Ill., assignor to S. Morgan Smith Company, York, Pa. Setting for hydraulic turbines. 1,792,394; Feb. 10.
Porter, Henry W., Brookline, Mass., assignor to H. K. Porter, Inc. Cutting tool. 1,822,745; Sept. 8.
Porter, Horatio A., and W. J. Porter, Springfield, Mass. Faucet. 1,819,571; Aug. 18.
Porter, Jacob N., Kenilworth, W. Va., assignor to The Globe Brick Company, East Liverpool, Ohio. Brick machine. 1,809,601; June 9.
Porter, James F. (See Blanchard, R. F., Porter, and Marx.)
Porter, James F., assignor to The Western Union Telegraph Company, New York, N. Y. Hand tape moistener. 1,823,761; Sept. 15.
Porter, James F., New York, N. Y., and L. W. Franklin, Woodcliff, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Tape-feeding mechanism for telegraph printers. 1,800,195; Apr. 7.
Porter, Jay E., Muskegon, Mich. Saw gummer. 1,832,878; Nov. 24.
Porter, John L., Columbus, Ohio. Meter seal. 1,808,969; June 9.
Porter, John L., Columbus, Ohio. Meter seal. 1,808,970; June 9.
Porter, Joseph A., assignor to Fairbairn Lawson Combe Barbour Limited, Hope Foundry, Leeds, England. Doffing mechanism for flyer spinning, doubling, twisting and the like machines. 1,823,374; Sept. 15.
Porter, Kenneth L., New Rochelle, N. Y. Radiator inclosure. 1,812,606; June 30.
Porter-McLeod Machine Tool Co. (See Johnson, R. A., and Chase, assignors.)
Porter, Ray. (See Harvey, Norman J., and Porter.)
Porter, Reuben W. (See Huseboe, M., and Porter.)
Porter, Robert P. (See Porter, G. F. and R. P.)
Porter, Russell W., and R. O. Beardsley, assignors to Jones & Lamson Machine Company, Springfield, Vt. Projecting mechanism and gear staging device. 1,812,369; June 30.
Porter, Vernon C., assignor to Charles M. Higgins & Co., New York, N. Y. Attachment for bottles. 1,826,285; Oct. 6.
Porter, Walter J. (See Porter, Horatio A., and W. J.)
Porter, Wayland R., Hanover, N. H. Crayon holder. 1,816,545; July 28.
Porter, William K., and H. D. Burton, Pittsburgh, Pa. Vanity dresser. 1,790,836; Feb. 3.
Porter, Wilson E. (See Whitehead, R. H., and Porter.)
Porter, Wilson E., assignor to The New Haven Clock Co., New Haven, Conn. Electric clock. 1,821,897; Sept. 1.
Porter, Wilson E., assignor to The New Haven Clock Company, New Haven, Conn. Automatic timing device. 1,831,605; Nov. 10.
Portham, Roland S., Strand, London, England. Thermostatic control device. 1,837,066; Dec. 15.
Portuesi, Felix, Highland Park, Mich. Ornamental fabric and making and applying the same. 1,794,731; Mar. 3.
Porwoll, Frank J., St. Cloud, Minn. Extractor. 1,798,221; Mar. 31.
Poschel, Alfred B., Brooklyn, N. Y., assignor to Decorative Development, Inc. Decalcomania and decalcomania paper. 1,811,804; June 23.
Poschinger, Eugene, Somerville, N. J. Floor oiler. 1,795,673; Mar. 10.
Poschinger, Frank H. (See Murphy, George C., assignor.)
Pösentrup, Heinrich, Munster, Germany. Shiftable buffer stop. 1,817,938; Aug. 11.
Poser, Albert. (See Poser, Phillip J., assignor.)
Poser, Phillip J., Bronx, assignor to A. Poser, New York, N. Y. Cover-attaching means for pressing boards. 1,789,282; Jan. 13.
Posher, Abraham, Brooklyn, N. Y. Orthopedic shoe. 1,798,807; Mar. 31.
Pospiech, Friedrich, assignor to Chemische Fabrik Pott & Co., Dresden, Germany. Moistening and wetting-out leather and dried hides. 1,794,920; Mar. 3.
Pospiech, Friedrich, assignor to Chemische Fabrik Pott & Co., Dresden, Germany. Producing solvents and emulsifying agents. 1,817,205; Aug. 4.
Pospishil, August, Westpoint, Nebr. Corn harvesting machine. 1,838,498; Dec. 29.
Poss, Julius C., Ashton, Iowa. Stovepipe cleaner. 1,830,715; Nov. 3.
Posselt, Edward J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Phase failure and phase reversal protective device. 1,823,211; Sept 15.
Possons, Minard A., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Cock or valve. 1,801,175; Apr. 14.
Possons, Minard A., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Radiant heater. 1,810,852; June 16.
Possons, Minard A., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Gas cock for ranges. 1,813,815; July 7.
Post, Charles E., Los Angeles, Calif. Adjustable gauge. 1,803,208; Apr. 28.
Post, Charles W., and E. L. Mount, Orange, Calif. Drier roll polishing device. 1,829,154; Oct. 27.
Post, Claude L., Chicago, Ill. Feeding device. 1,826,020; Oct. 6.
Post, Claude L., Chicago, Ill. Sheet feeding mechanism. 1,837,190; Dec. 22.
Post, Edward C., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Hose coupling. 1,791,284; Feb. 3.
Post, Edwin M., jr., assignor to International Motor Company, New York, N. Y. Engine speed control by manifold depression. 1,806,705; May 26.
Post, Ernest K., Collingswood, N. J. Bootleg for parkway cables. 1,798,494; Mar. 31.
Post, Sid. (See Everts, Walter W., assignor.)
Post, Thomas R., Wilmington, N. C. Cotton-picker suction tube. 1,794,243; Feb. 24.
Post, Thomas R., Wilmington, N. C. Cotton picker. 1,807,751; June 2.
Postal Telegraph Cable Company. (See Connrey, Alder F., assignor.)
Postal Telegraph-Cable Company. (See Skirrow, John F., assignor.)
Postal Telegraph-Cable Company. (See Wishart, Ronald S., assignor.)
Poster, Meyer J., New York, N. Y. Automobile tire indicator or gauge. 1,807,752; June 2.
Posteraro, Raffaele, et al. (See Foti, Charles, assignor.)
Postergraph Inc. (See Mueller, Albert B., assignor.)
Postermatic Limited. (See Shannon, John, assignor.)
Posth, Wilhelm, and F. Besemann, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Bleaching mineral oils and fats. 1,788,204; Jan. 6.
Postindex Company. (See Attwood, Charles E., assignor.)
Postindex Company. (See Finch, Raymond C., assignor.)
Postum Company. (See Borg, Henry L., assignor.)
Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Apparatus for joining materials. 1,820,921; Sept. 1.
Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Pasting mechanism. 1,827,907; Oct. 20.
Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Apparatus for use in connection with strip material. 1,836,279; Dec. 15.
Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, New York, N. Y. Bag making machine. 1,838,704; Dec. 29.
Potdevin Machine Company. (See Ettl, Joseph, assignor.)
Potdevin Machine Company. (See Potdevin, Adolph, assignor.)
Poth, Richard, Dortmund, Germany. Ignition roof for traveling grate boiler plants. 1,806,022; May 19.
Potigian, Armen, Davenport, Iowa. Can opener. 1,796,807; Mar. 17.
Potigian, Armen, Davenport, Iowa. Tripod foot. 1,814,334; July 14.
Potstada, George, Oakland, Calif. Combination pencil stand and sharpener. 1,788,589; Jan. 13.
Potteiger, William E., Hershey, Pa. Combination faucet. 1,789,390; Jan. 20.
Pottenger, Francis M., jr., Monrovia, Calif. Sprinkling system. 1,796,940; Mar. 17.
Pottenger, Francis M., jr., Monrovia, Calif. Sprinkler system. 1,796,941; Mar. 17.
Pottenger, Francis M., jr., Monrovia, Calif. Sprinkler. 1,796,942; Mar. 17.
Potter, Albert T., assignor, by mesne assignments, to Ainsworth Manufacturing Corporation, Detroit, Mich. Drip molding for vehicles. 1,797,792; Mar. 24.
Potter, Albert T., assignor to Ainsworth Manufacturing Company, Detroit, Mich. Windshield-operating mechanism. 1,798,353; Mar. 31.
Potter, Albert T., assignor, by mesne assignments, to Ainsworth Manufacturing Corporation, Detroit, Mich. Vehicle windshield. 1,814,261; July 14.
Potter, Albert T., assignor, by mesne assignments, to Ainsworth Manufacturing Corporation, Detroit, Mich. Operating device for windshields. 1,815,381; July 21.
Potter, Alden A., county of Montgomery, Md. Casement. 1,787,917; Jan. 6.
Potter, Arthur C., North Woodstock, Conn. Match book. Des. 84,546; June 30.
Potter, Charles C., jr., Los Angeles, assignor of one-half to R. L. Derfer, South Pasadena, Calif. Mop wringer. 1,814,527; July 14.
Potter, Duane L., Dalton, Pa. Police stick. 1,823,407; Sept. 15
Potter, Earl C., assignor, by mesne assignments, to Container Corporation of America, Chicago, Ill. Packing or shipping box. 1,790,676; Feb. 3.
Potter, Earl F., Glencoe, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Loop antenna. 1,805,846; May 19.
Potter, Earl F., Waukegan, assignor to E. Banning, Chicago, Ill. Acoustic condenser diaphragm. 1,826,952; Oct. 13.
Potter, Elbert R., Villa Park, assignor to H. A. Hirst, Chicago, Ill. Speed up hair clipper. 1,825,818; Oct. 6.

Potter, Floyd J., Detroit, and E. L. Bailey, Birmingham, assignors to General Motors Corporation, Detroit, Mich. Shaper guard. 1,823,375; Sept. 15.
Potter, Frederick T., Newton, assignor to Stark Tool Company, Waltham, Mass. Reduction gear change speed unit. 1,816,867; Aug. 4.
Potter, George A., Dallas, Tex. Lubricant heat dissipating device. 1,825,819; Oct. 6.
Potter, Harold H., Kansas City, Mo. Apparatus for cleansing units of automotive vehicles. 1,839,119; Dec. 29.
Potter, Harry W., Birmingham, Mich. Carburetor. 1,804,842; May 12.
Potter, Henry S., Johannesburg, South Africa. Rock drilling machine of the hammer type. 1,820,245; Aug. 25.
Potter, Herbert C., Brooklyn, assignor to J. A. Deknatel and Son, Inc., New York, N. Y. Connecter for necklaces and the like. 1,795,674; Mar. 10.
Potter, Howard, Youngstown, Ohio. Floral basket. Des. 83,006; Jan. 6.
Potter, James C., Pawtucket, R. I. Multiple spindle metal turning machine. 1,827,485; Oct. 13.
Potter, James C., Pawtucket, R. I. Control device for milling machines. 1,829,943; Nov. 3.
Potter, James T., Quakerhill, assignor to Gillette-Vibber Company, Incorporated, New London, Conn. Ground connecter. 1,821,575; Sept. 1.
Potter, John A., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heat exchanger. 1,803,034; Apr. 28.
Potter, John A., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heat exchanger. 1,803,035; Apr. 28.
Potter, Oscar, Downers Grove, Ill., assignor of one-half to G. M. Bard. Smelter. 1,805,554; May 19.
Potter, Paul D. (See Metzger, R. T., and Potter.)
Potter, Ralph K. (See Bown, R., and Potter.)
Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Neutralized vacuum-tube circuits. 1,789,416; Jan. 20.
Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Radio receiving circuit. 1,794,418; Mar. 3.
Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,805,596; May 19.
Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Photo-electric cell. 1,811,023; June 23.
Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Photo-electric tube. 1,811,024; June 23.
Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Regulation of level in brodacast transmission. 1,811,025; June 23.
Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,836,129; Dec. 15.
Potter, Ralph K., Netcong, N. J., assignor to American Telephone and Telegraph Company. Radio signal measuring device. 1,831,881; Nov. 17.
Potter, Rissiter R., and M. Shakespeare, assignors to Shakespeare Products Company, Kalamazoo, Mich. Control device. 1,821,576; Sept. 1.
Potter, Thomas I., Portland, Oreg. Packing. 1,789,497; Jan. 20.
Potter, Thomas I., Portland, Oreg. Compressor. 1,834,734; Dec. 1.
Potter, Wallace E., San Francisco, Calif. Braking attachment. 1,798,808; Mar. 31.
Potter, William, New York, N. Y. Scraper. 1,817,761; Aug. 4.
Potter, William B., Schenectady, N. Y., assignor to General Electric Company. Device for producing sound. 1,833,758; Nov. 24.
Potter, William H. (See Lusk, W. F., and Potter.)
Potter, William W., Pawtucket, R. I. Machine tool. 1,790,440; Jan. 27.
Potthoff, Kurt T., Lynbrook, Long Island, N. Y., assignor to U. S. Galvanizing & Plating Equipment Corporation. Method and apparatus for treating pipes, bars, etc. 1,789,596; Jan. 20.
Potts, C. & G., Company. (See Potts, C., and Minter, assignors.)
Potts, Clayton, and W. S. Minter, assignors to C. & G. Potts Company, Indianapolis, Ind. Brick mold rapping mechanism. 1,815,583; July 21.
Potts, Harry H., Chicago, Ill. Structural material. 1,816,988; Aug. 4.
Potts, Joshua R. H. (See Laughlin, Elmyr A., assignor.)
Potts, Robert H. (See Sherman, G. B., and Potts.)
Pouchain, Adolfo, Turin, Italy. Negative electrode for electric accumulators. 1,821,768; Sept. 1.
Pouchain, Adolfo, Turin, Italy. Lead plate for electric accumulators. 1,822,746; Sept. 8.
Pouchain, René A., Elkins Park, and F. S. Fox, Philadelphia, assignors to Tasty Baking Company, Philadelphia, Pa. Ventilated container. 1,818,908; Aug. 11.
Pouder, Warren E. (See Hawkins, Edward M., assignor.)
Poulain, Gaston. (See Chevallier, M., and Poulain.)
Poulet, Edouard. Courbevoie, France. Brake for motor vehicles. 1,812,551; June 30.
Poulin, Omer J., Lewiston, Me. Broom holder. 1,803,071; Apr. 28.
Poullot, Russell J., assignor, by mesne assignments, to Dee Wite, Incorporated, Detroit, Mich. Outboard motor boat. 1,818,273; Aug. 11.
Poulos, Frank, New York, N. Y. Exerciser and body builder. 1,810,255; June 16.
Poulsen, Arnold, Hellerup, Copenhagen, and A. C. G. Petersen, Copenhagen, Denmark. Device for starting heavy rotary bodies adapted to secure uniform movement of film. 1,802,065; Apr. 21.
Poulsen, Eiler, Chicago, Ill.; H. O. Crews, administrator of said Eiler Poulsen, deceased. Tent. 1,827,486; Oct. 13.
Poulsen, Louis, & Company. (See Henningsen, Poul, assignor.)
Pounder, Wilbur R., assignor to Hubbard & Co., Chicago, Ill. Drop suspension. 1,832,138; Nov. 17.
Pousha, Edward T., and D. Massei, Monroe, Mich. Window screen for automobile doors. 1,837,135; Dec. 15.
Pouvailsmith Corporation. (See Smith, Grant E., assignor.)
Poux, Noel J., assignor to Lion Fastener Inc., Meadville, Pa. Fastening device. 1,817,837; Aug. 4.
Poux, Noel J., assignor to Lion Fastener Inc., Meadville, Pa. Separable fastener. 1,817,838; Aug. 4.
Poux, Noel J., assignor to Lion Fastener Inc., Meadville, Pa. 1,817,839; Aug. 4.
Poux, Noel J., assignor to Lion Fastener Inc., Meadville, Pa. Separable fastener. 1,817,840; Aug. 4.
Poux, Noel J., assignor to Lion Fastener Inc., Meadville, Pa. Separable fastener. 1,817,841; Aug. 4.
Poux, Noel J., assignor to Lion Fastener Inc., Meadville, Pa. Separable fastener. 1,817,843; Aug. 4.
Poux, Noel J., V. H. Hall, and P. H. Crowe, assignors to Lion Fastener Inc., Meadville, Pa. Separable fastener. 1,817,842; Aug. 4.
Povalski, Bernard J., Jersey City, N. J., assignor to Fedco System, Inc. Identification plate and making same. 1,821,577; Sept. 1.
Povalski, Bernard J., Jersey City, N. J., assignor to Fedco System, Inc. Making identification plates. 1,821,578; Sept. 1.
Povalski, Bernard J., Jersey City, N. J., assignor to Fedco System, Inc. Anchorage. 1,827,762; Oct. 20.
Powell, Albert C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,816,613; July 28.
Powell, Albert C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trunking system. 1,823,667; Sept. 15.
Powell, Alfred S., Floral Park, assignor to Stransky Products Corporation, New York, N. Y. Mop-cleaning device. 1,788,844; Jan. 13.
Powell, Alfred S., Floral Park, assignor to Stransky Products Corporation, New York, N. Y. Mop cleaning device. 1,804,229; May 5.
Powell, Arthur, assignor of one-half to J. W. Honey, Drumright, Okla. Permanent magnet magnetic motor. 1,835,721; Dec. 8.
Powell, Bert. (See Camden, J. H., and Powell.)
Powell, Dalton U., Woodsfield, assignor of one-half to Orton C. Dunn, Marietta, Ohio. Heating apparatus for liquids. 1,810,185; June 16.
Powell, David, Los Angeles, Calif. Furring device. 1,796,620; Mar. 17.
Powell, Delbert J., administrator. (See Powell, James F.)
Powell, Edward R., assignor to Banner Rock Corporation, Alexandria, Ind. Monolithic underground insulation. 1,797,443; Mar. 24.
Powell, Edward R., assignor to Banner Rock Corporation, Alexandria, Ind. Economizer furnace for mineral wool production. 1,828,293; Oct. 20.
Powell, Edward R., assignor to Banner Rock Corporation, Alexandria, Ind. Filtering blow chamber. 1,837,836; Dec. 22.
Powell, Edwin L., Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Inductance system. 1,801,455; Apr. 21.
Powell, Edwin T. (See Powell, John T. and E. T.)
Powell, Elmer J., assignor to The Powell Pressed Steel Company, Hubbard, Ohio. Lift truck platform. 1,812,218; June 30.
Powell, Frank D., assignor, to Acme Card System Company, Chicago, Ill. Stand for visible index and record equipment. 1,789,838; Jan. 20.
Powell, Frank D. assignor to Acme Card System Company, Chicago, Ill. Stand for visible index and record equipment. 1,789,839; Jan. 20.
Powell, Frank D., assignor to Acme Card System Company, Chicago, Ill. Apparatus for cutting index elements. 1,804,642; May 12.
Powell, Frank D., assignor to Acme Card System Company, Chicago, Ill. Visible index or record system. 1,809,066; June 9.
Powell, Frank D., assignor to Acme Card System Company, Chicago, Ill. Visible record system. 1,811,245; June 23.
Powell, Grahame H., et al. (See Talbot, Frank A., assignor.)
Powell, Henry K., assignor to Morris Paper Mills, Chicago, Ill. Folding carton. 1,824,927; Sept. 29.
Powell, Henry T., Louisville, Ky. Game indicator. 1,820,828; Aug. 25.
Powell, Herbert S. (See Roberts, Charles F., assignor.)
Powell, Herbert S., Utica, N. Y. Heater for automobiles. 1,790,720; Feb. 3.

Powell, Herbert S., Utica, N. Y. Welding machine. 1,796,345; Mar. 17.
Powell, Herbert S., Utica, N. Y. Muffler for internal-combustion engines. 1,800,354; Apr. 14.
Powell, Herbert S., Utica, N. Y. Cushion joint for the springs of automobiles. 1,800,355; Apr. 14.
Powell, Irene E., et al. (See Floyd, Ray H., assignor.)
Powell, Irvin W., et al. (See Floyd, Ray H., assignor.)
Powell, James A., Reading, Pa. Jet-type water heater. 1,800,356; Apr. 14.
Powell, James A., Richmond, Va., assignor to The American Tobacco Company, New York, N. Y. Telescopically collapsible box. 1,809,355; June 9.
Powell, James F., deceased; D. J. Powell, administrator, Flint, Mich. Fastener. 1,820,323; Aug. 25.
Powell, Jesse R., M. L. Sheely, and R. Smith, assignors to Armour & Company, Chicago, Ill. Cushion filler. 1,812,019; June 30.
Powell, John, Kokomo, Ind. Feeder conveyer for husking units. 1,810,437; June 16.
Powell, John, Kokomo, Ind. Frame construction for corn harvesters. 1,838,569; Dec. 29.
Powell, John T. and E. T., Washington, D. C. Combined safety light and illuminating lamp. 1,825,088; Sept. 29.
Powell, Joseph C., Minden, La. Agricultural implement. 1,803,917; May 5.
Powell Pressed Steel Company, The. (See Powell, Elmer J., assignor.)
Powell, Raymond E., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Soldering-iron holder. 1,789,475; Jan. 20.
Powell, Samuel L., Blue Ridge Summit, Md. Siphon valve for flush tanks. 1,822,060; Sept. 8.
Powell, William B., Hamilton, and V. G. Williams, Toronto, Ontario, Canada; said Williams assignor to said Powell. Container. 1,833,974; Dec. 1.
Powell, William H., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. System of distribution. 1,803,676; May 5.
Powell, Winfred T., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Remote-control magneto-telephone system. 1,788,471; Jan. 13.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radio receiving system. 1,793,959; Feb. 24.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,797,926; Mar. 24.
Powell, Winfred T., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Selective program service system. 1,812,169; June 30.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Remote control magneto telephone system. 1,812,641; June 30.
Powelson, Wilfred V. N., and W. Travell, New York, N. Y. Mooring and housing airships. 1,823,063; Sept. 15.
Powelson, Wilfrid V. N., New York, N. Y., and W. Travell, San Bernardino, Calif. Mooring mast for airships. 1,823,287; Sept. 15.
Powelson, Wilfrid V. N., New York, N. Y., and W. Travell, San Bernardino, Calif. Stabilization of airships. 1,823,288; Sept. 15.
Powelson, Wilfrid V. N., New York, N. Y., and W. Travell, San Bernardino, Calif. Housing equipment for aircraft. 1,823,289; Sept. 15.
Powelson, Wilfrid V. N., New York, N. Y., and W. Travell, San Bernardino, Calif. Handling aircraft. 1,823,466; Sept. 15.
Power, James T., assignor to Darco Corporation, Wilmington, Del. Activating carbon. 1,815,525; July 21.
Power, Laurence E., assignor, by mesne assignments, of one-half to L. Bradley and one-half to H. L. Bradley, Milwaukee, Wis. Forming resistor units. 1,816,194; July 28.
Power, Laurence E., assignor, by mesne assignments, of one-half to L. Bradley and one-half to H. L. Bradley, Milwaukee, Wis. Resistor unit and forming the same. 1,824,056; Sept. 22.
Power, Richard F., London, England, assignor to Morland & Impey Limited, Birmingham, England. Cutting leaves and binding mechanism therefor. 1,790,441; Jan. 27.
Power, Richard F., Hampstead, London, assignor to Morland & Impey Limited, Birmingham, England. Device for operating loose-leaf binders, books, card trays, and the like. 1,792,395; Feb. 10.
Powers, Cedric, and B. M. Crum, New Britain, Conn. Apparatus for lithographing strip metal. 1,832,655; Nov. 17.
Powers, Donald H. (See Calcott, W. S., Downing, and Powers.)
Powers, Donald H., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making organic sulphur compounds. 1,788,632; Jan. 13
Powers, Donald H., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rubber accelerator. 1,805,103; May 12.
Powers, Edwin H., assignor to Saginaw Stamping and Tool Company, Saginaw, Mich. Swivel caster. 1,826,821; Oct. 13.
Powers, Frank T., Douglaston, N. Y. Plate drier. 1,795,096; Mar. 3.
Powers, Frank T., Douglaston, N. Y. Etching machine. 1,808,906; June 9.
Powers, Frank T., Douglaston, N. Y. Fluid handling device. 1,825,126; Sept. 29.
Powers, Frank T., Douglaston, N. Y. Etching machine. 1,825,127; Sept. 29.
Powers, Frank T., Douglaston, Long Island, N. Y. Photographic camera. 1,832,656; Nov. 17.
Powers, George E., assignor of one-fourth to W. G. Cockerill, Greenfield, Ohio. Metallic singletree or doubletree. 1,830,482; Nov. 3.
Powers, George V., assignor to American Iron and Machine Works Company, Oklahoma City, Okla. Internal pipe cutter. 1,814,058; July 14.
Powers, Harry J., Chicago, Ill. Hoisting mast. 1,816,654; July 28.
Powers, Howard T. (See Lewis, W. C., and Powers.)
Powers, James, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Self starting automatic total taking mechanism. 1,836,039; Dec. 15.
Powers, James H., Yeadon, Pa., assignor to General Electric Company. Disconnecting device. 1,808,570; June 2.
Powers, Lucile B., Knoxville, Tenn. Combined refrigerator and ice-cream freezer. 1,787,837; Jan. 6.
Powers, Michael M., Chicago, Ill. Moving stalled automobiles and the like. 1,837,583; Dec. 22.
Powers Regulator Company. (See Snediker, Morton O., assignor.)
Powers, Robert E., New York, N. Y., assignor to Universal Draft Gear Attachment Co. Angle-cock holder. 1,795,885; Mar. 10.
Powers Sign Co. (See Powers, William M., assignor.)
Powers, Timothy B., Brooklyn, assignor to Numberall Stamp and Tool Co., Inc., New York, N. Y. Multiple stamp device. 1,827,260; Oct. 13.
Powers, William M., assignor to Powers Sign Co., Inc., Minneapolis, Minn. Street sign. 1,811,594; June 23.
Powers, William M., Minneapolis, Minn., assignor to Powers Sign Co., Inc. Street marker. 1,811,595; June 23.
Powers, William T., assignor to The Direct Separator Company Inc., Syracuse, N. Y. Separator. 1,813,637; July 7.
Pownall, Raymond, Rochester, N. Y. Luggage carrier. 1,810,786; June 16.
Poyer, Guy R., Wichita, Kans. Timing gearing. 1,817,645; Aug. 4.
Poyer, Guy R., Wichita, Kans. Internal combustion engine. 1,819,825; Aug. 18.
Poyner, Wayne L., Lumberton, Miss. Tire carrier. 1,799,024; Mar. 31.
Prachel, Chauncey U. (See Branchen, L. E., and Prachel.)
Pracny, John E., assignor to The E. J. Manville Machine Company, Waterbury, Conn. Die controlling mechanism for open die metal heading machines. 1,804,029; May 5.
Praetzel, Hans, Leipzig, Germany. Apparatus for feeding paper sheets. 1,815,419; July 21.
Prager Co. (See Ericson, Emile, assignor.)
Prager Co. (See Martinek, Alexander, assignor.)
Prager Co. (See Prager, James G., assignor.)
Prager, James G., Worcester, Mass., assignor to Prager Co., Inc. Wall paper or similar material. Des. 83,007; Jan. 6.
Prager, James G., Worcester, Mass., assignor to Prager Co., Inc. Wall paper or similar material. Des. 83,348; Feb. 17.
Prager, James G., Worcester, Mass., assignor to Prager Co., Inc. Wall paper or similar material. Des. 83,349; Feb. 17.
Prager, James G., Worcester, Mass., assignor to Prager Co., Inc. Wall paper or similar material. Des. 83,350; July 21.
Prager, James G., Worcester, Mass., assignor to Prager Co., Inc. Wall paper or similar article. Des. 85,492; Nov. 3.
Prahar, Louise, Baldwin, N. Y. Toy animal. 1,815,070; Feb. 17.
Prall, Bert R., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Tire casing. Des. 85,003; Sept. 1.
Prange, Maurice N., Detroit, Mich. Portable cylinder grinder. 1,797,837; Mar. 24.
Prante, Otto, North Bergen, N. Y. Safety extension for clotheslines. 1,830,808; Nov. 10.
Prater, Ralph, Oak Park, Ill. Grinder. 1,815,326; July 21.
Prather, George W., Santa Cruz, Calif. Wheel testing machine. Re18,138; July 28.
Prather, Thomas P. (See Marlowe, E. C., and Prather.)
Pratt, Alexander M., Newcastle, New South Wales, Australia. Propelling water craft. 1,805,597; May 19.
Pratt, Archibald J., assignor of one-half to P. Briskman, Crockett, Tex. Plow. 1,835,427; Dec. 8.
Pratt, Arthur D., Short Hills, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,823,701; Sept. 15.
Pratt, Arthur J., Cambridge, assignor to American Optical Company, Southbridge, Mass. Receptacle for spectacles. 1,834,419; Dec. 1.
Pratt, Best, Chicago, Ill. Quick release valve. 1,810,292; June 16.
Pratt, Charles A., assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 1,796,943; Mar. 17.

Pratt, Charles A., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,834,533; Dec. 1.
Pratt, Charles R., Upper Montclair, N. J. Hoisting apparatus. 1,828,748; Oct. 27.
Pratt, Clifton J., St. Louis, Mo., assignor to The Automotive Distillate Corporation, Independence, Kans. Manufacturing high compression automotive distillate. 1,810,574; June 16.
Pratt, Clifton J., Tulsa, Okla., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for hydrocarbon oil conversion. 1,827,107; Oct. 13.
Pratt, Clifton J., Tulsa, Okla., assignor to Universal Oil Products Company, Chicago, Ill Converting hydrocarbons. 1,827,908; Oct. 20.
Pratt, Clyde E., et al. (See Williams, William L., assignor.)
Pratt, Edward J. (See Miller, D. D., and Pratt.)
Pratt, Edward J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic device. 1,795,439; Mar. 10.
Pratt, George W. (See Maashoff, H., and Pratt.)
Pratt, Harold I., et al., executors. (See Pratt John T.)
Pratt, Harry P., et al, trustees. (See Pratt, Harry P., assignor.)
Pratt, Harry P., Chicago, Ill., assignor, by mesne assignments to H. P. Pratt, W. F. Grover, H. A. Allen, H. T. Ballard, and G. S. Herrington, trustees of Pratt Radio Trust. Radio vanity case. 1,821,236; Sept. 1.
Pratt, Hartley B., Barrow-in-Furness, assignor to Vickers-Armstrong Limited, Westminster, England. Submarine mine. 1,812,370; June 30.
Pratt, Henry W., Jersey City, N. J., assignor to William H. Lutton Company. Garden frame. 1,790,112; Jan. 27.
Pratt, Irwin E., Los Angeles, Calif. Pad and holder therefor. 1,806,950; May 26.
Pratt, Jabez H., and F. B. Hunt, assignors, by mesne assignments, to The Liquid Carbonic Corporation, Chicago, Ill. Cooler cabinet. 1,811,863; June 30.
Pratt, John A., Nashville, Tenn. Tension device. 1,825,089; Sept. 29.
Pratt, John T., deceased, New York; H. I. Pratt and R. B. Pratt, executors. Die of the extrucing and wire drawing type and making the same. 1,817,680; Aug. 4.
Pratt & Letchworth Company. (See Williams, Keith, assignor.)
Pratt, Louis L., assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Lubricated expansion joint. 1,806,081; May 19.
Pratt, Lucy F. (See Carlson, Johan A., assignor.)
Pratt Radio Trust et al. (See Pratt, Harry P., assignor.)
Pratt, Ruth B., et al., executors. (See Pratt, John T.)
Pratt, Seeley F., and A. H. Hansen, assignors to Union Chest and Cabinet Corporation, Rochester, N. Y. Receptacle with trays. 1,835,897; Dec. 8.
Pratt & Whitney Aircraft Co., The. (See Godfrey, Edwin H., assignor.)
Pratt & Whitney Aircraft Co., The. (See King, Alexander H., assignor.)
Pratt & Whitney Aircraft Company, The. (See King, A. H., and Ryder, assignors.)
Pratt & Whitney Aircraft Company, The. (See Newcomb, Philip P., assignor.)
Pratt & Whitney Aircraft Company, The. (See Ryder, Earle A., assignor.)
Pratt & Whitney Aircraft Co., The. (See Ryder, E. A., and King, assignors.)
Pratt & Whitney Aircraft Company, The. (See Willgoos, Andrew V. D., assignor.)
Pratt & Whitney Company. (See Durkee, Henry E., assignor.)
Pratt & Whitney Company. (See Garrison, Orlando, assignor.)
Pratt & Whitney Company. (See Hoagland, Frank O., assignor.)
Pratt & Whitney Company. (See Johnson, Charles G., assignor.)
Pratt & Whitney Company. (See Tanner, H. D., and Raber, assignors.)
Pratt & Whitney Company. (See Thacher, John J., assignor.)
Pratt, William B., Wellesley, Mass., assignor, by mesne assignments, to Dispersions Process, Inc., Dover, Del. Reclaiming waste rubber and product of same. 1,826,091; Oct. 6.
Pratt, William B., Wellesley, Mass., assignor, by mesne assignments, to Dispersions Process, Inc., Dover, Del. Producing aqueous dispersions of water immiscible bodies. 1,833,038; Nov. 24.
Pratt, William B., Wellesley, and R. J. Noble, Malden, Mass., assignors to Dispersions Process, Inc., Dover, Del. Preparation of colloidal solutions of water-immiscible bodies. 1,831,544; Nov. 10.
Pratt, William E. (See Van Fleet, Elon J., assignor.)
Pratt, Williams E., Mfg. Co. (See Paul, William, assignor.)
Prawalsky, Frederick P., deceased, Swanville, M. Prawalsky, administratrix, assignor of one-third to P. P. Tyvoll, Minneapolis, and one-third to H. L. Fischer, St. Paul, Minn. Window screen for closed automobiles. 1,823,290; Sept. 15.
Prawalsky, Martha, administratrix. (See Prawalsky, Fredrick P.)
Pray, Lucian A., Racine, Wis. Dental gauge. 1,804,567; May 12.
Preatka, Joseph, New York, N. Y. Aeroplane. 1,806,822; May 26.
Preble, George L. (See Eaton, Horace M., assignor.)
Preble, George L., et al. (See Evans, Harold A., assignor.)
Preble, George L., assignor to Parco Specialty Co., Lynn, Mass. Ribbon covering machine. 1,811,477; June 23.
Preble, James J., deceased, Newton, Mass., Livingston Stebbins, administrator, assignor, by mesne assignments, to American Air Filter Company, Louisville, Ky. Air filter. 1,788,171; Jan. 6.
Preble, James J., deceased, Newton; Livingston Stebbins, administrator of said J. J. Preble, assignor to Spraco, Inc., Somerville, Mass. Apparatus or tool for applying coating. 1,819,116; Aug. 18.
Preble, James J., deceased, Newton, and W. B. Thompson, Winchester, Mass.; Livingston Stebbins, administrator of James J. Preble. Apparatus or tool for applying coating. 1,819,115; Aug. 18.
Preble, James J., deceased, Newton, and W. B. Thompson, Winchester, Mass.; Livingston Stebbins, administrator of James J. Preble. Apparatus or tool for applying coating material. 1,819,117; Aug. 18.
Preble, Stephen E. (See Mackey, C. H., and Preble.)
Precious Metals Developing Co. (See Bart, Blasius, assignor.)
Precision Balancing Machine Company. (See McDonough, F. T., and Moyer, assignors.)
Precision Machine Co., The. (See Dina, Augusto, assignor.)
Precision Metal Works. (See Grunwald, Albert C., assignor.)
Precision Scientific Company. (See Letsch, Eugene, assignor.)
Precision Syrup Pump Company. (See Rahm, F., and Pilcher, assignors.)
Pre-Cooling Car Service Co. (See Barstow, W., and Day, assignors.)
Pre-Cooling Car Service Co. (See Day, Fred J., assignor.)
Preddey, Walter G., San Francisco, Calif. Automatic rewind switch. 1,814,739; July 14.
Predmore, George E., Euclid, Ohio. Radiator heater. 1,837,172; Dec. 15.
Preferred Utilities Manufacturing Corporation. (See Lake, Harry E., assignor.)
Préfontaine, Rolland. (See Lebrun, P. F. J., and Préfontaine.)
Preis, Carl G., Lynbrook, N. Y. Heat-control system. 1,796,766; Mar. 17.
Preis, Georg, Weinbohla, Germany. Gear. 1,820,246; Aug. 25.
Preiss, Paul, Bremen, Germany. Water-borne vehicle on wheels. 1,837,922; Dec. 22.
Preiswerk, Ernst, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Making compounds of dialkyl barbituric acids and 1-phenyl-2.3-dimethyl-4-dimethyl-amino-5-Pyrazolone. 1,798,556; Mar. 31.
Preiswerk, Ernst, Basel, Switzerland, assignor to Hoffman-La Roche Inc., Newark, N. J. Compound of dialkyl barbituric acids and making the same. 1,805,294; May 12.
Preleuthner, Julius, New York, N. Y. Double acting centrifugal pump. 1,819,118; Aug. 18.
Prell, Peter, Union City, N. Y. Ship propulsion. 1,788,440; Jan. 13.
Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drill steel retainer. 1,802,983; Apr. 28.
Prellwitz, William, and R. H. Wilhelm, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J. Drill-feeding device. 1,791,974; Feb. 10.
Premier Case Opener, Inc. (See Huhn, F. E., and Sheehan, assignors.)
Premier Shoe Company. (See Kessler, Alexander M., assignor.)
Premo, Fred, assignor of one-half to B. F. Vauruska, Kenosha, Wis. Map holder and display rack. 1,830,809; Nov. 10.
Prendergast, Richard S., assignor to Keenok Gears Limited, London, England. Friction gearing. 1,822,601; Sept. 8.
Prentice, Arthur T.; Dynamite Factory, Somerset West, South Africa, assignor to Imperial Chemical Industries Limited, London, England. Apparatus for regulating the flow of liquids or liquefiable solids. 1,793,747; Feb. 24.
Prentice, G. E., Manufacturing Company. (See Prentice, George E., assignor.)
Prentice, George E., Berlin, Conn. Interlocking fastener construction. 1,796,395; Mar. 17.
Prentice, George E., Berlin, Conn. Making sliders. 1,822,173; Sept. 8.
Prentice, George E., Berlin, Conn. Separable fastener. 1,832,945; Nov. 24.
Prentice, George E., Berlin, assignor to G. E. Prentice Manufacturing Company, New Britain, Conn. Key case. 1,808,434; June 2.
Prentice, John, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Door latch. 1,825,283; Sept. 29.
Prentis, Henning W., jr., assignor to Armstrong Cork Company, Lancaster, Pa. Surface covering and ornamenting the same. 1,788,407; Jan. 13.

Prentis, Henning W., jr., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Ornamenting printed hard surface floor coverings. 1,807,672; June 2.
Prentiss, Paul D., White Plains, N. Y., assignor to Johnson & Johnson, New Brunswick, N. J. Handrack for adhesive tape. 1,838,866; Dec. 29.
Prentiss-Weber Stove Company. (See Yeager, Anton J., assignor.)
Prenveille, Antoine E. M. (See Prenveille, Donald E., assignor.)
Prenveille, Donald E., assignor of one-half to A. E. M. Prenveille, Oakland, Calif. Valve. 1,830,407; Nov. 3.
Prenzel, Adam H., Halifax, Pa., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for nailing heels. 1,830,622; Nov. 3.
Preparation Industrielle Des Combustibles (Societe Anonyme). (See Coutin, Jean, assignor.)
Prescott Company, The. (See Grueter, William B., assignor.)
Prescott Company, The. (See Langhill, R. E., and Grueter, assignors.)
Prescott Company, The. (See Langill, R. and S. B., assignors.)
Prescott Company, The. (See Percy, Edwin H., assignor.)
Prescott, Eugene H., and W. G. Leazar, Kerrville, Tex. Vending machine for filling cigarette lighters. 1,795,503; Mar. 10.
Prescott, Frank H., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electrical switch. 1,789,710; Jan. 20.
Prescott, Frank H., assignor to Delco-Remy Corporation, Anderson, Ind. Ignition device. 1,797,838; Mar. 24.
Prescott, Le Roy A. (See Bennett, T. B., and Prescott.)
Prescott, Lyle A., and I. W. Marshall, assignors to Blaw-Knox Company, Pittsburgh, Pa. Structural tower. 1,820,156; Aug. 25.
Prescott, Raymond F., Milwaukie, Oreg. Font of type. Des. 85,493; Nov. 3.
Presly, Homer W. (See Jones, William O., assignor.)
Press & Drier Co., The. (See Berrigan, John B., assignor.)
Press & Drier Co., The. (See Berrigan, John B. and J. J., assignor.)
Pressed Piston Ring Company. (See Bowers, Thomas A., assignor.)
Pressed Steel Car Company. (See Anderson, John P., assignor.)
Pressed Steel Car Company. (See Blest, Minot C., assignor.)
Pressed Steel Car Company. (See Kantenwein, Oscar E., assignor.)
Pressed Steel Car Company. (See Koch, Felix, assignor.)
Pressed Steel Car Company. (See Moll, Harry C., assignor.)
Pressed Steel Car Company. (See Reeder, Nathaniel S., assignor.)
Pressed Steel Car Company. (See Schmohl, A. C., and Anderson, assignors.)
Pressed Steel Car Company. (See Suckfield, George A., assignor.)
Pressed Steel Company, The. (See Wood, Charles B. D., assignor.)
Pressed & Welded Steel Products Co. (See Haskin, Walter E., assignor.)
Pressley, Charles E., Santa Barbara, Calif. Revolving stage. 1,819,656; Aug. 18.
Pressley, C. R., et al. (See Williams, French B., assignor.)
Pressley, Jackson H., Long Branch, N. J. Loop antenna. 1,800,750; Apr. 14.
Pressley, Jackson H., Marion, Ind., assignor to Hazeltine Corporation, Jersey City, N. J. High frequency transformer. 1,829,058; Oct. 27.
Pressnall, Charles A., Elkhart, Ind. Self-governing wind motor. 1,793,748; Feb. 24.
Pressnall, Ellis M., Proctor, Minn. Rerailing railroad equipment. 1,811,332; June 23.
Prest, Clarence O., Arlington, Calif. Air-cooled motor. 1,798,985; Mar. 31.
Prestage, Edwin, London, England. High pressure gas compressor. 1,818,580; Aug. 11.
Prestage, Edwin, London, assignor of one-half to Broom & Wade Limited, High Wycombe, Buckinghamshire, England. High pressure gas compressor. 1,805,741; May 19.
Prestek, Louis A., Seattle, Wash. Musical signaling device. 1,826,645; Oct. 6.
Prestek, Louis A., Seattle, Wash. Valve grinding refacing and reseating device. 1,829,059; Oct. 27.
Prestidge, William H. (See Hagen, C. M., and Prestidge.)
Prestigiacomo, Gaetano, New York, N. Y. Automobile body. Des. 85,394; Oct. 20.
Prestinari, Eugen, Irvington, assignor to Gemex Company, Newark, N. J. Bracelet. Des. 83,060; Jan. 13.
Prestinari, Eugen, Irvington, N. J., assignor to Gemex Company, Newark, N. J. Band chain. 1,795,038; Mar. 3.
Prestinari, Eugen, Irvington, assignor to Gemex Company, Newark, N. J. Chain. 1,795,039; Mar. 3.
Prestinari, Eugen, Irvington, N. J., assignor to Gemex Company. Extension device. 1,832,734; Nov. 17.
Prest-O-Lite Co. Inc. (See Mesinger, William F., assignor.)
Presto Lock Corporation. (See Levine, Abraham, assignor.)
Preston, Alfred D., Camberwell, Victoria, Australia. Rail fastening means. 1,816,696; July 28.
Preston, Edward S., assignor to Chicago Electric Manufacturing Co., Chicago, Ill. Casing for an electric toaster or lamp. Des. 83,830; Mar. 31.
Preston, Edward S., assignor to Chicago Electric Manufacturing Co., Chicago, Ill. Portable electric fan. Des. 85,004; Sept. 1.
Preston, Frank G., Tacoma, assignor of one-half to J. N. Marker, Tacoma, Wash. Marine salvage device. 1,810,084; June 16.
Preston, Frederick A., Lake Forest, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,809,987; June 16.
Preston, Frederick A., Lake Forest, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,817,097; Aug. 4.
Preston, Herbert E., assignor to American Engineering Company, Philadelphia, Pa. Reciprocating conveyer. 1,837,994; Dec. 22.
Preston, John L., Wichita Falls, Tex. Fracture splint. 1,797,480; Mar. 24.
Preston John L., Wichita Falls, Tex. Fracture splint. 1,797,481; Mar. 24.
Preston, Neil D. (See Dicke, O. H., and Preston.)
Preston, Neil D. (See Dodge, L. E., and Preston.)
Preston, Neil D., Rochester,, assignor to General Railway Signal Company, Gates, N. Y. Method and apparatus for train control. 1,794,543; Mar. 3.
Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,794,544; Mar. 3.
Prétat, Frederick, Waterbury, Conn., assignor to International Silver Company, Meriden, Conn. Spoon or similar article. Des. 84,901; Aug. 18.
Pretot, Harry V., assignor to Illinois Watch Case Company, Elgin, Ill. Bracelet. 1,790,721; Feb. 3.
Pretot, Harry V., assignor to Illinois Watch Case Company, Elgin, Ill. Vanity case. 1,804,808; May 12.
Preuss, Alexander B., Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt bei Berlin, Germany. Electromagnetic relay. 1,838,787; Dec. 29.
Preus, Paul A., St. Paul, Minn., assignor to Western Stamping & Manufacturing Company, Cleveland, Ohio. Highway sign. 1,817,646; Aug. 4.
Prevost, Sterett R., Elizabeth, N. J., assignor to Henry Klein and Company, Inc., Elmhurst, N. Y. Desk and wall clock case. 1,815,796; July 21.
Pribil, Alexis R., Saginaw, Mich. Caster. 1,793,827; Feb. 24.
Pribil, Alexis R., Saginaw, Mich. Guide pulley. 1,813,950; July 14.
Pricco, John, assignor of one-half to W. Smith, Los Angeles, Calif. Clamp and arm for rock drills and the like. 1,821,403; Sept. 1.
Price, Carl J., assignor to The Warner & Swasey Company, Cleveland, Ohio. Tool-controlling mechanism. 1,793,718; Feb. 24.
Price, Carlton A., La Porte, Ind. Pneumatic boat propulsion. 1,792,031; Feb. 10.
Price, Charles S., Bethlehem, assignor to L. F. Grammes & Sons, Inc., Allentown, Pa. Gluing machine. 1,804,365; May 5.
Price, Charles W., Birmingham, England. Light reflector. 1,820,632; Aug. 25.
Price, Charles W., assignor to The P.-H. Engineering Company, Rockford, Ill. Spark plug tester. 1,836,391; Dec. 15.
Price, Cora A., Sunbury, Pa. Work guide for sewing machines. 1,833,855; Nov. 24.
Price, David D., Guthrie, Okla. Measuring device. 1,799,566; Apr. 7.
Price, David J., Kokomo, Ind. Safety-razor-blade holder. 1,797,589; Mar. 24.
Price, David R. (See Bowman, F. H., Lynch, and Price.)
Price, David R., Swampscott, Mass., assignor to General Electric Company. Impulse-metering system. 1,801,106; Apr. 14.
Price, Emil, and W. A. Pfister, Los Angeles, Calif. Handle for valve stems. 1,796,721; Mar. 17.
Price, Emil, and W. A. Pfister, Los Angeles, Calif. Valve. 1,813,464; July 7.
Price, Franklin B., Newark, Ohio. Lamp stand. Des. 84,437; June 16.
Price, Frederick, Asher, Okla., assignor to Price-Trawick, Inc. Apparatus for starting the flow of flowing wells. 1,793,193; Feb. 17.
Price, George F., Hershey, Nebr. Two-row beet digger. 1,800,751; Apr. 14.
Price, Harry, Boston, Mass. Electric toaster. 1,790,484; Jan. 27.
Price, Howard W. (See Sillers, D. A., Price, and Bartlett.)
Price, Jacob L., New York, N. Y., assignor, by mesne assignments, to Bendix Brake Company, South Bend, Ind. Brake. 1,831,079; Nov. 10.
Price, Joseph, Stapleton, N. Y. Oil-refinery condenser. 1,789,880; Jan. 20.
Price, Joseph, Stapleton, Staten Island, assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 1,809,910; June 16.
Price, Joseph W., jr. (See Light, R. A., and Price.)

Price, Lewis C., Boston, Mass., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Temperature regulator for hollow rotatable elements. 1,812,802; June 30.
Price, Osborne I., Frederick, Md., assignor to J. S. McCarthy. Weehawken, N. J. Refrigerating apparatus. 1,807,871; June 2.
Price, Osborne I., Frederick, Md., assignor to J. S. McCarthy, Weehawken, N. J. Refrigeration apparatus. 1,807,872; June 2.
Price, Paul L., Mount Vernon, N. Y., assignor to Irving Iron Works Company. Continuous grating structure. 1,817,463; Aug. 4.
Price, Ralph H., Chicago, Ill., assignor to The Glue Research Corporation, New York, N. Y. Fiber sealer. 1,834,420; Dec. 1.
Price, Robert, Putney, London, England. Machine tool for metal working purposes. 1,806,951; May 26.
Price, Sterling M., Montgomery, Ala. Rotary engine. 1,813,763; July 7.
Price, Thomas H. (See Minton, C. W., and Price.)
Price, Thornton W., New Brunswick, N. J. Dictating machine. 1,801,755; Apr. 21.
Price-Trawick, Inc. (See Price, Frederick, assignor.)
Price, Walter J., Union Grove, Wis. Combination shirt and necktie. 1,793,131; Feb. 17.
Price, Wilbur F., assignor to L. F. Grammes & Sons, Inc., Allentown, Pa. Emblem holder for automobiles. 1,792,445; Feb. 10.
Price, William B., assignor to Scovill Manufacturing Company, Waterbury, Conn. Nonferrous alloy. 1,815,071; July 21.
Price, William D., Prince Georges County, Md. Railway car hand brake. 1,826,636; Oct. 6.
Price, William G., deceased, by McCleary Hydraulic Brake Co., Seattle, Wash., assignee. Hydraulic and band brake operating means. Re18,217; Sept. 29.
Price, William G., Yakima, Wash., assignor to McCleary Hydraulic Brake Company. Hydraulic brake. 1,787,796; Jan. 6.
Price, William P., assignor, by mesne assignments, to Horace Cory and Company, Limited, London, England. Manufacture of printing inks. 1,817,522; Aug. 4.
Prichard, George L., and H. Henderson, Port Arthur, Tex., assignors to Gulf Refining Company, Pittsburgh, Pa. Cracking process. 1,802,531; Apr. 28.
Prichard, Percy T., Dannevirke, New Zealand. Eyeshade for use in playing golf. 1,829,538; Oct. 27.
Prickett, Clyde W., Santa Monica, Calif. Buck anchor. 1,810,224; June 16.
Pricofieff-Seversky, Alexander, New York, N. Y. Landing gear for aircraft. 1,811,152; June 23.
Priddle, Arthur, San Francisco, Calif. End wrench. 1,802,832; Apr. 28.
Priddy, Thomas D., assignor to The Formed Steel Products Company, Cleveland, Ohio. Plaster board. 1,823,914; Sept. 22.
Pride, William F., Tampa, Fla. Producing cigars, cigarettes, or the like. 1,829,454; Oct. 27.
Pridgen, John B., Charlotte, N. C. Road machine. 1,838,570; Dec. 29.
Pridham, Edwin S., assignor to The Magnavox Company, Oakland, Calif. Sound diaphragm. 1,809,911; June 16.
Pridham, Edwin S., assignor to The Magnavox Company, Oakland, Calif. Loud speaker. 1,811,367; June 23.
Priebe, Ernest B. (See Drake, W. C., and Priebe.)
Priebe, Ernest B., Richmond Hill, N. Y., and D. P. Miner, Providence, R. I., assignors to Furnace Engineering Company, Inc., New York, N. Y. Furnace grate. 1,833,952; Dec. 1.
Priess, William H., Upper Montclair, N. J., assignor to Wireless Specialty Apparatus Company, Boston, Mass. Condenser and process. 1,795,504; Mar. 10.
Priess, William H., Upper Montclair, N. J., assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser. 1,824,569; Sept. 22.
Priess, William H., Montclair, N. J., assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser and making it. 1,812,664; June 30.
Priest, Edward D., Schenectady, N. Y., assignor to Parker Wire Goods Company, Worcester, Mass. Mechanism for assembling and feeding screw eyes. 1,791,764; Feb. 10.
Priest, Harry R., Loudonville, Ohio. Fountain shaving brush and receptacle. 1,811,965; June 30.
Priest, Harry R., Loudonville, Ohio. Shaving outfit. 1,813,317; July 7.
Priest, Harry R., Loudonville, Ohio. Tooth cleaner and polisher. 1,813,359; July 7.
Priest, Harry R., Loudonville, Ohio. Tooth cleaning and polishing tool. 1,813,360; July 7.
Priest, Harry R., Loudonville, Ohio. Tooth cleaner and polisher. 1,813,361; July 7.
Priest, Harry R., Loudonville, Ohio. Shaving kit. 1,833,333; Nov. 24.
Priest, Harry R., Loudonville, Ohio. Tooth brush and polisher. 1,833,434; Nov. 24.
Priest, Harry R., Loudonville, Ohio. Suction cup cover and fountain shaving mug. 1,833,435; Nov. 24.
Priest, Harry R., Loudonville, Ohio. Shaving kit. 1,833,436; Nov. 24.
Priester, Harry, executor. (See Fallot, Alfred.)
Priestley, Wilfred E., Seattle, Wash. Packet of firecrackers with sealed band. 1,824,367; Sept. 22.
Priewe, Hans. (See Schotte, H., and Priewe.)
Prill, Alphons, Wiesdorf, and R. Walter, Dessau, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Producing 4-substitution products of the quinoline series. 1,806,563; May 19.
Prill, Alphons, Wiesdorf, and R. Walter, Dessau, Anhalt, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Producing 4-substitution products of the quinoline series. 1,806,564; May 19.
Prillaman, Ella F., et al. (See Culver, Lagar R., assignor.)
Prillaman, John W., et al. (See Culver, Lagar R., assignor.)
Prima Manufacturing Company. (See Waterworth, Robert J., assignor.)
Primakow, Joseph E., Milwaukee, Wis. Lighting fixture. Des. 84,648; July 14.
Primakow, Joseph E., Milwaukee, Wis. Lighting fixture. Des. 85,443; Oct. 27.
Primakow, Joseph E., Milwaukee, Wis. Lighting fixture. Des. 85,444; Oct. 27.
Primakow, Joseph E., Milwaukee, Wis. Lighting fixture. Des. 85,445; Oct. 27.
Primavesi, Otto, Dresden, Germany. Loom. 1,787,491; Jan. 6.
Prime Machine Co. (See Roseman, Leo, assignor.)
Prime Manufacturing Company. (See Ridderstrom, Andrew R., assignor.)
Primos, Gus K., assignor of one-half to G. Thurber, Shreveport, La. Computing basket. 1,819,755; Aug. 18.
Primrose, John, Richmond, assignor to Foster Wheeler Corporation, New York, N. Y. Heating oil and superheating steam. 1,792,925; Feb. 17.
Primrose, John, Richmond, assignor to Fosser Wheeler Corporation, New York, N. Y. Reflux tower. 1,805,635; May 19.
Prince, Clarence K., deceased, Westfield, Mass.; R. K. Prince, administrator, assignor to The H. B. Smith Company, Westfield, Mass. Core making apparatus. 1,801,978; Apr. 21.
Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Dynamo electric machine. 1,813,764; July 7.
Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Vapor electric apparatus. 1,814,850; July 14.
Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Circuit controlling apparatus. 1,814,851; July 14.
Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Seal for mercury arc rectifiers. 1,817,762; Aug. 4.
Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Electric power converting apparatus. 1,830,561; Nov. 3.
Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Rectifying system. 1,837,995; Dec. 22.
Prince, Hubbard C., and C. J. Kennedy, Amarillo, Tex. Belt clamp. 1,794,319; Feb. 24.
Prince, Roy B., Ashland, Wis. Decoy duck setter. 1,836,504; Dec. 15.
Prince, Robert K., administrator. (See Prince, Clarence K., assignor.)
Prince-Smith, William, and D. Waterhouse, Keighley, England. Facilitating doffing in flyer spinning, twisting, and similar machines. 1,825,201; Sept. 29.
Prince, Warren V., Kansas City, Mo. Musical-instrument player. 1,791,903; Feb. 10.
Prindle, Karl E. (See Charch, W. H., and Prindle.)
Pringle Electrical Manufacturing Company, The. (See Austin, Harvey B., assignor.)
Pringle, William F., Oakland, Calif., assignor of one-third to J. P. Callahan, and one-third to D. J. Nee. Cigarette extinguisher. 1,828,068; Oct. 20.
Pringle, William P., Washington, D. C. Spark plug tool. 1,820,364; Aug. 25.
Printing machinery Company, The. (See Neell, E. F., and Thiel, assignors.)
Printing Machinery Company, The. (See Thiel, Emil E., assignor.)
Printz, Oscar A. K., Overum, Sweden. Releasable plow. 1,808,477; June 2.
Printz, Oscar A. K., Overum, Sweden. Releasable plow. 1,808,478; June 2.
Prinz, Hans. (See Quaas, Johannes, assignor.)
Prinzler, Carl J., assignor to Vonnegut Hardware Company, Indianapolis, Ind. Doorbolt mechanism. 1,815,584; July 21.
Priori, Marino, Indianapolis, Ind. Illuminable votive device. 1,823,000; Sept. 15.
Priou, Pierre A. M., Chinon, France. Machine for automatically printing photographic proofs. 1,807,547; May 26.
Pripusich, Joseph, Chicago, Ill. Aligning attachment for doors. 1,830,716; Nov. 3.
Prismo Holding Corporation. (See Humphreys, Cecil, assignor.)
Pritchard, Arthur, and C. Monks, London, England. Manufacture of tennis and other racquets. 1,839,177; Dec. 29.
Pritchard, Carl G., Hiram, and C. W. Harrold, assignors to Harris-Seybold-Potter Company, Cleveland, Ohio. Plate clamp. 1,827,300; Oct. 13.
Pritchard, Charles A., Palo Alto, Calif. Waste trap. 1,833,303; Nov. 24.

Pritchard, Franklin H., Erie, Pa., assignor to General Electric Company. Brush for dynamo-electric machinery. 1,801,107; Apr. 14.
Pritchard, George A., Atlantic Beach, Fla. Built in visor for motor cars. 1,827,299; Oct. 13.
Pritchard, J. F., & Co. (See Weston, William, assignor.)
Pritchard, John F., Kansas City, Mo. Redistribution system for cooling towers. 1,803,036; Apr. 28.
Pritchard, John F., Kansas City, Mo. Spatter plate. 1,836,505; Dec. 15.
Pritchard, Percy, Smethwick, Birmingham, assignor of one-half to The Birmingham Aluminum Casting (1903) Company Limited, Smethwick, England. Metal boat. 1,823,986; Sept. 22.
Pritchard, Reuben L., Hampstead, London, England. Process and apparatus for degumming, washing, and drying fibers. 1,824,928; Sept. 29.
Pritchard, William, jr., Wilkes-Barre, Pa., assignor to Hercules Powder Company, Wilmington, Del. Blasting cap. 1,795,440; Mar. 10.
Pritchard, William C., Columbia, Pa., assignor to Toddy, Inc., New York, N. Y. Drink mixer. 1,824,929; Sept. 29.
Pritchard, William S. (See Grossman, Harold, assignor.)
Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Window lifter. 1,789,985; Jan. 27.
Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Panel construction. 1,792,705; Feb. 17.
Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Sash and frame construction. 1,792,706; Feb. 17.
Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Windshield. 1,828,069; Oct. 20.
Pritchard, William T., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Forming tool. 1,788,031; Jan. 6.
Pritchard William T., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vacuum cleaner apparatus. 1,804,809; May 12.
Pritham, Charles H., Upper Darby, Pa. Primer composition. 1,794,732; Mar. 3.
Pritner, Lindsay C. (See Dorris, H. C., and Pritner.)
Pritz, Lawrence G. (See Baily, T. F. and Pritz.)
Pritz, Louis E. (See Allred, F. L., and Pritz.)
Pritzker, Asher, Toronto, Ontario, Canada. Electric fireplace. 1,836,769; Dec. 15.
Privat, Bernard, Stockton, Calif. Mower construction. 1,816,868; Aug. 4.
Privett, Henry C., assignor of fifteen per cent to J. Van Nuland, Los Angeles, Calif. Cooker. 1,833,334; Nov. 24.
Probert, Edward A. and F., Worcester, England. Manufacture of insulating staples and the like. 1,793,960; Feb. 24.
Probert, Frank. (See Probert, Edward A. and F.)
Probst, Heinrich, Berlin, Germany, assignor to General Electric Company. Switching station. 1,815,797; July 21.
Process Engineering and Equipment Corporation. (See Schrumm, Jewett F., assignor.)
Process Engineers, Inc. (See De Cew, Judson A., assignor.)
Procházka, Václav, Brunn, Czechoslovakia. Transparent flag. 1,820,157; Aug. 25.
Prockish, Francis E., Westmoreland, Kans. Pipe hoister for pumps. 1,797,482; Mar. 24.
Procofieff-Seversky, Alexander, New York, N. Y., assignor, by mesne assignments, to Seversky Aircraft Corporation. Skid. 1,817,901; Aug. 4.
Procoudine-Gorsky, Michel, Paris, assignor to Societe De Photochimie "Elka", Nice, France. Transferring gelatine silver bromide pictures. 1,812,981; July 7.
Procter & Gamble Company, The, et al. (See Holliday, Robert L., assignor.)
Proctor, George P., Wichita Falls, Tex. Locking thread connection. 1,807,494; May 26.
Proctor, George R. (See Higginson, Conan D., assignor.)
Proctor, Hubert M., assignor of one-half to T. M. Nesbit, jr., Birmingham, Ala. Stud wrench. 1,815,363; July 21.
Proctor, John A., Lexington, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Coupling transformer. 1,807,135; May 26.
Proctor, John A., Lexington, Mass., assignor, by mesne assignments, to General Electric Company. High potential condenser. 1,831,882; Nov. 17.
Proctor, John A., Lexington, Mass., assignor, by mesne assignments, to General Electric Company. Electrical apparatus. 1,836,725; Dec. 15.
Proctor, John, A. Lexington, and W. M. Bailey, Lynn, assignors to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser. 1,812,713; June 30.
Proctor, John W., Pittsburgh, Pa. Reel. 1,823,165; Sept. 15.
Proctor, Robert V., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Tunnel apparatus. 1,814,852; July 14.
Proctor & Schwartz, Incorporated. (See Allen, T. W., Bokum, and Senior, assignors.)
Proctor & Schwartz, Incorporated. (See Griffith, Charles T., assignor.)
Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., assignor.)
Proctor & Schwartz, Incorporated. (See Hurxthal, A. O., and Bogaty, assignors.)
Proctor & Schwartz, Incorporated. (See Wanamaker, Harry F., assignor.)
Prodorite, S. A. (See Lévy, Marcel, assignor.)
Production Equipment Company, The. (See Hornbeck, Lewis E., assignor.)
Products Machine Company, The. (See Marsilius, Newman M., assignor.)
Products Protection Corporation, The. (See Smith, Franklin S., assignor.)
Proell, Reinhold, Dresden-A., Germany. Oil-pressure regulating device for upholding an even speed of machines. 1,822,667; Sept. 8.
Program Service Company. (See Gann, George K., assignor.)
Progressive Corrugated Paper Machinery Co. Inc. (See Wagner, Joshua, assignor.)
Progressive Motor Devices Corporation. (See Mossinghoff, Bernard H., assignor.)
Progressive Silk Finishing Co. (See Milhomme, Alexander, assignor.)
Project Holding Corporation. (See Bauer, William J., assignor.)
Projection Optics Co. (See Fouquet, William F., assignor.)
Projector G. m. b. H. of Berlin, Germany. (See Morsbach, Kurt, assignor.)
Prokop, Josef, Pardubice, Czechoslovakia. Apparatus for polishing grain. 1,818,866; Aug. 11.
Prokop, Prokop J., Brooklyn, N. Y. Airship propulsion. 1,833,722; Nov. 24.
Prollius, Bernhard A. O., assignor to Bergedorfer Eisenwerk, Bergedorf, near Hamburg, Germany. Heat exchanger. 1,832,423; Nov. 17.
Promenschenkel, Joseph W. (See Wine, W. E., and Promenschenkel.)
Prönnecke, Karl, Quedlinburg, Harz, Germany. Machine for making clothes pegs. 1,811,559; June 23.
Prönnecke, Karl., Quedlinburg, Germany. Merry-go-round. 1,818,647; Aug. 11.
Proof Machine and Brass Foundry Company, The. (See Paulson, Henry C., assignor.)
Proos, Cornelis F., assignor to Naamlooze Venootschap Nederlandsche Kabelfabriek, Delft, Netherlands. Joining the ends of high tension electric cables and an improved junction box therefor. 1,827,609; Oct. 13.
Proos, Neal, Grand Rapids, Mich. Dough forming apparatus. 1,808,788; June 9.
Proper, John, Seminole, Okla. Bull wheel shaft flange. 1,811,966; June 30.
Pro-Phy-Lac-Tic Brush Company. (See Elliott, William S., assignor.)
Propp, Louis, New York, N. Y. Decorative device. 1,812,116; June 30.
Propp, M., Co., The. (See Hertzberg, Harry, assignor.)
Propp, M., Co. Inc., The. (See Shapiro, Hyman, assignor.)
Prose-Maco Manufacturing Company. (See Tracy, J. M., and Scherer, assignors.)
Proskauer, Julien J., and H. Shevers, New York, N. Y. Electric filter device or system. 1,791,377; Feb. 3.
Prosperity Company. (See Clisson, Albert B., assignor.)
Prosperity Company, The. (See Daly, Joseph P., assignor.)
Prosperity Company, The. (See Davis, Ernest, assignor.)
Prosperity Company, The. (See Ledbetter, James C., assignor.)
Prosperity Company, The. (See Titterington, Morris M., assignor.)
Prosperity Company, The. (See Winnewisser, Emil A., assignor.)
Prosperity Company, The. (See Yanchenko, Basil J., assignor.)
Prosperity Company, Inc., The. (See Braun, Philip N., assignor.)
Prosperity Company Inc., The. (See Reeps, Charles O., assignor.)
Prosperity Company, Inc., The. (See Schremp, Edward J., assignor.)
Prosperity Company, Inc., The. (See Steele, Harry A., assignor.)
Prosperity Company Inc., The. (See Winnewisser, Emil A., assignor.)
Prosser, Robert H., San Francisco, Calif., assignor, by mesne assignments, to Cabrew, Incorporated, Carson City, Nev. Resilient wheel. 1,823,166; Sept. 15.
Prosser, Thomas W., assignor to Paramount Textile Machinery Co., Kankakee, Ill. Hosiery drying and shaping structure. 1,816,296; July 28.
Prosser, Thomas W., and J. H. Wahlbeck, Kankakee, assignors to Paramount Textile Machinery Co., Chicago, Ill. Hosiery finishing apparatus. 1,815,865; July 21.
Prosser, Thomas W., and J. H. Wahlbeck, Kankakee, assignors to Paramount Textile Machinery Co., Chicago, Ill. Hosiery drying form. 1,837,481; Dec. 22.
Protane Corporation, The. (See Strickler, Harrison K., assignor.)
Protectoseal Company of America. (See Anschicks, Rudolph J., assignor.)
Protectu Corporation, The. (See Walker, Crawford J., assignor.)
Protzeller, Harry W., East Chicago, assignor to O. F. Jordan Company, East Chicago, Ind. Railroad spreader. 1,816,869; Aug. 4.

Protzeller, Harry W., assignor to O. F. Jordan Company, East Chicago, Ind. Railroad way construction and maintenance car. 1,817,523; Aug. 4.
Protzeller, Harry W., assignor to O. F. Jordan Company, East Chicago, Ind. Railroad spreader. 1,817,524; Aug. 4.
Protzeller, Harry W., assignor to O. F. Jordan Company, East Chicago, Ind. Railway maintenance and construction car. 1,818,750; Aug. 11.
Protzeller, Harry W., assignor to O. F. Jordan Company, East Chicago, Ind. Railroad spreader. 1,822,312; Sept. 8.
Protzeller, Harry W., assignor to O. F. Jordan Company, East Chicago, Ind. Electromagnetic valve. 1,822,668; Sept. 8.
Proudfoot, Gordon M., Chicago, Ill. Aircraft bodies. 1,793,132; Feb. 17.
Prout, Herbert L., Villa Park, Ill. Variable speed transmission. 1,806,984; May 26.
Prouty, Charles N., Spencer, Mass. Insole. 1,822,981; Sept. 15.
Prouty, Harris G. (See Bardwell, J., and Prouty.)
Prouty, Theodore C., deceased, Hermosa Beach, Calif.; W. O. Prouty, administrator. Drying apparatus. 1,833,497; Nov. 24.
Prouty, Theodore C., deceased, Hermosa Beach, Calif.; W. O. Prouty, administrator. Spring structure. 1,833,532; Nov. 24.
Prouty, Theodore C., Hermosa Beach, assignor to Metlox Corporation, Ltd., Manhattan Beach, Calif. Illuminated character. 1,833,498; Nov. 24.
Prouty, Theodore C. and W. O., Hermosa Beach, Calif., assignors to American Encaustic Tiling Company, Ltd., New York, N. Y. Kiln-car propeller. 1,799,641; Apr. 7.
Prouty, Theodore C., and W. O., Hermosa Beach, Calif., assignor to American Encaustic Tiling Company, Ltd., New York, N. Y. Clay disintergrator. 1,808,509; June 2.
Prouty, William B., Evanston, Ill. Dust collector mechanism. 1,821,665; Sept. 1.
Prouty, Willis O. (See Prouty, Theodore C. and W. O.)
Prouty, Willis O., administrator. (See Prouty, Theodore C., assignor.)
Prouty, Willis O., Hermosa Beach, assignor to Metlox Corporation, Ltd., Manhattan Beach, Calif. Marquise ceiling. Des. 85,395; Oct. 20.
Prouty, Willis O., Hermosa Beach, Calif., assignor to Metlox Corporation, Ltd., Manhattan Beach, Calif. Marquise. Des. 85,764; Dec. 15.
Provencal, Elphege, St. Hyacinthe, Quebec, Canada. Electric heating plant. 1,828,294; Oct. 20.
Providence Stock Company. (See Meyer, George U., assignor.)
Provost, Marcellus D., Salt Lake City, Utah. Permanent-hair-waving unit. 1,800,658; Apr. 14.
Prow, Ernest R., Memphis, Tenn. Hook latch. 1,790,765; Feb. 3.
Prucha, Alois, and J. Prucha, Cedar Rapids, Iowa. Emergency box. 1,839,051; Dec. 29.
Prucha, Joseph. (See Prucha, Alois, and J.)
Prudden, Theodore M., Hingham Center, Mass. Seal. 1,799,701; Apr. 7.
Pruden, Andrew A., Norfolk, Va. Vehicle wheel attachment. 1,799,567; Apr. 7.
Pruefer, Gustav, Providence, R. I. Musical instrument. 1,801,690; Apr. 21.
Prugh, Samuel R., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,795,886; Mar. 10.
Pruitt, Ralph S. (See Guest, W. C., and Pruitt.)
Prunetti, Emilio, Oakland, Calif. Toy. 1,823,064; Sept. 15.
Prussing, Walter, Brooklyn, N. Y. Hopper. 1,792,865; Feb. 17.
Prutsman, Harold C. (See Kritchevsky, W., and Prutsman.)
Prutton, Carl F., Cleveland, Ohio, assignor to The Dow Chemical Company, Midland, Mich. Treating brine. 1,829,539; Oct. 27.
Prutzman, Paul W. (See Jones, P., and Prutzman.)
Prutzman, Paul W. (See Vogel, Willard L., assignor.)
Prutzman, Paul W., Los Angeles, Calif. Hot filtration of decolorized oils. 1,818,274; Aug. 11.
Prutzman, Paul W., Los Angeles, Calif. Filter press. 1,833,335; Nov. 24.
Pryor, Elmer E., Fullerton, Calif. Fishing tool. 1,801,456; Apr. 21.
Pryor, Elmer E., Fullerton, Calif. Combination trip socket for fishing tools. 1,812,059; June 30.
Pryor, Eric A. C., Beckenham, and F. A. Hurlbut, Strand, assignors to The United Glass Bottle Manufacturers Limited, London, England. Glass annealing leer. 1,828,070; Oct. 20.
Pryor, James N., assignor to Way Vend Corporation, Baltimore, Md. Coin-controlled apparatus. 1,800,154; Apr. 7.
Pryor, Lewis M., et al. (See McGowan, Harold, assignor.)
Pryor, Maurice G., et al. (See McGowan, Harold, assignor.)
Pryor, Walter J., Lakewood, Ohio, assignor to Hoover & Strong, Inc., Buffalo, N. Y. Denture. 1,831,606; Nov. 10.
Przekop, Andrew. (See Szczesny, F., and Przekop.)
Public Service Company of Colorado. (See Foulk, Theodore M., assignor.)
Public Service Radios, Inc. (See Mackay, William, assignor.)
Publicker, Inc. (See Haner, Carl, assignor.)
Puckett, Nick T. (See Hofft, M. R., Puckett, and Squires.)
Puckett, Nick T., assignor to The M. A. Hofft Company, Indianapolis, Ind. Furnace arch and blocks. 1,792,446; Feb. 10.
Pudan, Herbert W., Carmel, Calif. Flotation ore concentrating machine. 1,813,082; July 7.
Pudelko, Riccard. (See Beusch, W., and Pudelko.)
Pudelko, Riccard, Zug, Switzerland. Mechanism for controlling electric circuits. 1,794,244; Feb. 24.
Pudelko, Riccard, assignor to the firm Landis & Gyr, A. G., Zug, Switzerland. Maximum-energy-demand indicator with signaling device. 1,789,685; Jan. 20.
Pudelko, Riccard, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Electricity meter casing. 1,802,735; Apr. 28.
Pudelko, Riccard, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Induction meter. 1,812,371; June 30.
Pudelko, Riccard, and P. Moos, Zug, Switzerland, assignors to Landis & Gyr, A.-G. Electricity meter. 1,829,367; Oct. 27.
Pudin, Martin, assignor of forty per cent to J. Haberern, Coplay, Pa. Removable heel. 1,825,202; Sept. 29.
Pudleiner, John, Allentown, Pa. Hinge for toilet seats and covers. 1,804,114; May 5.
Puening, Franz, O'Hara Township, Allegheny County, Pa. Heating apparatus. 1,799,702; Apr. 7.
Puff, Harold H., Fort Wayne, Ind. Accumulative electric switch. 1,831,545; Nov. 10.
Puffer, Alvin W., Medford, assignor to Puffer Manufacturing Company, Winchester, Mass. Soda fountain cabinet. 1,824,232; Sept. 22.
Puffer-Hubbard Manufacturing Co. (See Thomas, Owen W., assignor.)
Puffer Manufacturing Company. (See Puffer, Alvin W., assignor.)
Puffer, Samuel R., and S. A. Moss, Lynn, Mass., assignors to General Electric Company. Liquid tachometer. 1,823,841; Sept. 15.
Pugel, John, Elizabeth, N. J. Railroad tie protector. 1,837,370; Dec. 22.
Pugh, Emerson. (See Fay, O. J., Heimberger, and Pugh.)
Pugh, Emerson, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for welding. 1,810,225; June 16.
Pugh, James W., Breckenridge, Tex., E. Tauch, and T. E. Warren, Cambridge, Mass., assignors to Standard Oil Development Company. Oxidation of hydrocarbons. 1,812,714; June 30.
Pugh, John D., Baltimore, Md. Car dumping apparatus. 1,804,543; May 12.
Pugh, John D., Baltimore, Md. Car dumping apparatus. 1,804,544; May 12.
Pugh, John D., Baltimore, Md. Manipulator for ingots, blooms, and the like. 1,828,619; Oct. 20.
Pugh, John V., assignor to Rudge-Whitworth, Limited, Coventry, England. Vehicle wheel. 1,830,444; Nov. 3.
Pugh, Lawrence H. (See Schaubhut, Arthur A., assignor.)
Pugniet, Andrée, Paris, France. Garter buckle. 1,836,770; Dec. 15.
Pugsley, William H., Huron, S. Dak., assignor to one-third to R. Paul, Chicago, Ill. Electric motor. 1,835,811; Dec. 8.
Puhl, Alfred G. (See Schilling, Hugo O. G., assignor.)
Pukerud, Thomas S., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fan pivot joint. 1,799,986; Apr. 7.
Pullan, James F., Pawtucket, R. I., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Material forming apparatus. 1,833,658; Nov. 24.
Pullara, Carmelo, New York, N. Y. Window-sash construction. 1,800,104; Apr. 7.
Pullclean Manufacturing Corporation. (See Addler, Joseph H., assignor.)
Pullclean Manufacturing Corporation. (See Crowson, Herbert W., assignor.)
Pullclean Manufacturing Corporation. (See Trinks, William W., assignor.)
Pullclean Manufacturing Corporation. (See Trinks, W. W., and Tucker, assignors.)
Pullen, Fred W., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet-sweeper mechanism. 1,800,958; Apr. 14.
Pullen, Harry. (See Zimmerman, M. D., and Pullen.)
Pullen, Harry, Preston, Md., assignor to International Patents Corporation, Rehoboth Beach, Del. Musical instrument or similar article. Des. 83,831; Mar. 31.
Pullen, Horace J., Los Angeles, Calif. Vehicle driving wheel. 1,821,901; Sept. 1.
Pullen, Myrick W. (See Lee, F. W., and Pullen.)
Pulley, Homer. (See Losure, Lisander, assignor.)
Pulliam, Ira L., Huntington Park, assignor to Richfield Oil Company of California, Los Angeles, Calif. Method and apparatus for washing vehicles. 1,823,167; Sept. 15.
Pullman Car & Manufacturing Corporation. (See Carry, C., Mussey, and Blomberg, assignors.)
Pullman Car & Manufacturing Corporation, The. (See Gunn, F. M., and Seidler, assignors.)
Pullman Car and Manufacturing Corporation. (See Lunn, Ernest, assignor.)

Pullman Car and Manufacturing Corporation. (See Mussey, William H., assignor.)
Pullman Car & Manufacturing Corporation, The. (See Mussey, W. H., and Hellman, assignors.)
Pullman Car & Manufacturing Corporation. (See Winther, Martin P., assignor.)
Pullman, Joseph, and E. Gross, Belfast, Me. Ironing apparatus. 1,789,638; Jan. 20.
Pulsifer, George H., Haverhill, and W. L. Delaney, Beverly, Mass. Shoe ornament. 1,801,936; Apr. 21.
Pulver, Bruce N., Akron, Ohio, assignor, by mesne assignments, to All In One Corporation of America. Production of food products. 1,802,532; Apr. 28.
Pulverized Fuel Equipment Co. (See Grindle, Aubrey J., assignor.)
Pulvis Aktiengesellschaft. (See Rudqvist, Carl A., assignor.)
Pumphrey, Walter H., New York, N. Y. Vacuum tube socket. 1,827,909; Oct. 20.
Punga, Franklin, Eberstadt, near Darmstadt, assignor to Fried Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Controlling system for polyphase alternating current motors. 1,808,435; June 2.
Pungs, Wilhelm. (See Guthke, F. W., and Pungs.)
Pungs, Wilhelm. (See Luther, M., Pungs, Griessbach, and Heuck.)
Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, and E. Frese, Neuroessen, Germany, assignors, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Increasing the viscosity and improving the lubricating properties of oils. 1,787,951; Jan. 6.
Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, and K. Behringer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Products resembling natural waxes. 1,825,248; Sept. 29.
Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, and K. Behringer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Products resembling natural waxes. 1,825,249; Sept. 29.
Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, and K. Behringer, Mannheim, assignors to I. G. Farbenindustrie, Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of products resembling natural waxes. 1,834,865; Dec. 1.
Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, and K. Behringer, Mannheim, assignors to I. G., Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of soft pale colored products of waxy nature. 1,834,866; Dec. 1.
Pungs, Wilhelm, K. Eisenmann, and J. Kuchenbuch, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of condensation products of carbamides and formaldehydes. 1,836,553; Dec. 15.
Punke, John J., assignor to Hupp Motor Car Corporation, Detroit, Mich. Hub cap. Des. 83,699; Mar. 17.
Punke, John J., assignor to Hupp Motor Car Corporation, Detroit, Mich. Radiator cap. 1,789.986; Jan. 27.
Punke, John J., assignor to Hupp Motor Car Corporation, Detroit, Mich. Running board construction. 1,820,324; Aug. 25.
Punt, Simon, Grand Rapids, Mich. Furniture stop. 1,798,901; Mar. 31.
Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Scored container with breaking tab. 1,825,602; Sept. 29.
Punzmann, Rudolf, assignor of one-half to F. Firor, New York, N. Y. Meat loaf packing machine. 1,830,335; Nov. 3.
Puoina, Benjamin K., Kahului, Hawaii. Guitar construction. 1,834,804; Dec. 1.
Pupin, Michael I., Norfolk, Conn. Inductive artificial line. 1,834,735; Dec. 1.
Pupin, Michael I., Norfolk, Conn., assignor to The Commercial Cable Company of New York, New York, N. Y. Telegraph system. 1,811,368; June 23.
Pupp, Max B., assignor of one-half to C. K. Gotwals, Souderton, Pa. Ballast for aircraft. 1,792,926; Feb. 17.
Pupp, Max B., assignor of one-half to C. K. Gotwals, Souderton, Pa. Aircraft. 1,809,253; June 9.
Pupp, Max B., assignor of one-half to C. K. Gotwals, Souderton, Pa. Gas control for aircraft. 1,833,336; Nov. 24.
Purcell, John, Chicago, Ill. Metal door. 1,829,014; Oct. 27.
Purcell, Laurence J., New York, N. Y. Multiple blade knife with adjustable blades. 1,814,528; July 14.
Purcell, Watson, Coleman, Tex. Brake operating mechanism. 1,817,844; Aug. 4.
Purcell, William F. (See Hiltz, G. S., and Purcell.)
Purchas, Harry L., McGraw, N. Y. Box and the like. Des. 84,954; Aug. 25.
Purchio, Amico M., Buffalo, N. Y. Antiglare shield for windshields or the like. 1,828,339; Oct. 20.
Purdie, John C., Chicago, Ill. Therapeutic device. 1,832,916; Nov. 24.
Purdue University, Trustees of. (See Ross, David E., assignor.)
Purdy, Chester A., Oak Park, Ill., assignor to Western Electric Company, Inc., New York, N. Y. Method of and apparatus for preparing compounds. 1,807,931; June 2.
Purdy, Chester A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for pressing condensers. 1,818,648; Aug. 11.
Purdy, Emmett G., Detroit, Mich., assignor to Detroit Body Die Company. Motor vehicle hood. Des. 84,105; May 5.
Purdy, Frederick. (See Kirby, C. H., and Purdy.)
Purdy, Frederick, assignor to Marvel Carbureter Company, Flint, Mich. Manifold. 1,793,509; Feb. 24.
Purdy, James, & Sons Limited. (See Lawrence, Ernest C., assignor.)
Purdy, Jay D., assignor to The Pilloid Company, Swanton, Ohio. Locomotive valve gear. 1,833,039; Nov. 24.
Purdy, Lewis J., Syracuse, assignor, by mesne assignments, to Franklin Development Corporation, Syracuse, N. Y. Attaching fins to cylinders. 1,834,736; Dec. 1.
Purdy, Percival J., London, England. Bottle and other labeling machines. 1,819,263; Aug. 18.
Purdy, Roy N., San Antonio, Tex. Hinge. 1,830,885; Nov. 10.
Pure Oil Company, The. (See Carr, R. H., and Watson, assignors.)
Pure Oil Company, The. (See Chittick, Martin B., assignor.)
Pure Oil Company, The. (See Harnsberger, Audley E., assignor.)
Pure Oil Company, The. (See Hyman, J., and Schlandt, assignors.)
Pure Oil Company, The. (See Osterstrom, Rudolph C., assignor.)
Pure Oil Company, The. (See Osterstrom, R. C., and Tucker, assignors.)
Pure Oil Company, The. (See Osterstrom, R. C., Hyman, and Wagner, assignors.)
Pure Oil Company, The. (See Smith, C. L., and Harnsberger, assignors.)
Pure Oil Company, The. (See Watson, Cornelius B., assignor.)
Pure Oil Company, The. (See Watson, C. B., and Harnsberger, assignors.)
Pure Oil Company, The. (See Watson, C. B., and Osterstrom, assignors.)
Purington, Ellison S., Gloucester, Mass., assignor to J. H. Hammond, jr. Synchronization for facsimile transmission. 1,795,616; Mar. 10.
Purington, Ellison S., Gloucester, Mass., assignor to General Electric Company. Mobile torque device. 1,817,763; Aug. 4.
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Button. Des. 83,351; Feb. 17.
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Button. Des. 83,832; Mar. 31.
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Ornamental button. 1,797,619; Mar. 24.
Puritan Malt Extract Co. (See Greenlee, Walter R., assignor.)
Purnell, Charles W., assignor of one-half to G. C. Moore, Natchez, Miss. Apparatus for landing and housing dirigibles. 1,834,220; Dec. 1.
Purnell, Edward A., assignor to The General Fireproofing Company, Youngstown, Ohio. Desk. Des. 84,438; June 16.
Purnell, Edward A., assignor to The General Fireproofing Company, Youngstown, Ohio. Table. Des. 84,439; June 16.
Purnell, Samuel J., Herne Hill, Geelong, Victoria, Australia. Latch. 1,817,939; Aug. 11.
Purple, George E., La Grange, assignor to Flexible Steel Lacing Company, Chicago, Ill. Belt fastener. 1,803,354; May 5.
Purser, William J. (See Hurlbert, W. G., and Purser.)
Pursley, Cornelious C., assignor of one-half to Douglas W. Cooper, Hillboro, Tex. Air mail exchange device. 1,805,258; May 12.
Pursmoke Pipe Company. (See Mancusi, Pasquale, assignor.)
Pusey & Jones Corporation, The. (See Johnston, R. S., and Bratton, assignors.)
Push Button Electric Control Corporation, The. (See Howard, Frank H., assignor.)
Putnam, Fred A., Keene, and C. H. Cheeseman, Marlboro, assignors to Markem Machine Company, Keene, N. H. Marking machine. 1,803,132; Apr. 28.
Putnam, Harold B., et al. (See Darnell, Rex C., assignor.)
Putnam, Howard P., Upper Darby, Pa., assignor to American Telephone and Telegraph Company. Wire support. 1,797,365; Mar. 24.
Putnam, Mark E. (See Britton, E. C., Williams, and Putnam.)
Putnam, Mark E., assignor to The Dow Chemical Company, Midland, Mich. Purifying methyl salicylate. 1,814,853; July 14.
Putnam, Mark E., assignor to The Dow Chemical Company, Midland, Mich. Removing volatile hydrocarbon compounds from aqueous halogen acids. 1,822,372; Sept. 8.
Putnam, Ralph E. A., Mountain Lakes, N. J., assignor to International Communications Laboratories Incorporated. Submarine cable system. 1,815,657; July 21.
Putnam, Sherman W., and N. Poffenberger, assignor to The Dow Chemical Company, Midland, Mich. Cleaning composition. 1,817,582; Aug. 4.

Putt, Donald R., Huntingdon, Pa., assignor of one-half to A. B. See, New York, N. Y. Electric control system. 1,788,590; Jan. 13.
Putt, Edward D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Fabric guide for bias cutters. 1,799,620; Apr. 7.
Putt, Edward D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Machine for grinding or buffing annular articles. 1,816,494; July 28.
Putt, Frank B., Meadowbrook, Pa., assignor to Brandle & Smith Company, Philadelphia, Pa. Bottle or similar container. Des. 84,161; May 12.
Putt, Frank B., Meadowbrook, assignor to Brandle & Smith Company, Philadelphia, Pa. Display container and the like. 1,833,304; Nov. 24.
Putt, Harlie O. (See Bucklen, H. E., and Putt.)
Pütter, Karl E., assignor to Deutsche Gasglühlicht-Auer-Gesellschaft mit beschränkter Haftung, Berlin, Germany. Air purifying appliance. 1,808,177; June 2.
Putterman, Benjamin, Brooklyn, N. Y., assignor to Yankee Metal Products Corp. Radiator guard. Des. 84,492; June 23.
Putterman, Benjamin, Brooklyn, N. Y., assignor to Yankee Metal Products Corp. Radiator guard. Des. 84,493; June 23.
Putterman, Benjamin, Brooklyn, N. Y., assignor, by mesne assignments, to Yankee Metal Products Corp. Smoker's receptacle. 1,806,418; May 19.
Puyuelo, Urban, Rock Springs, Wyo. Toothpick container and dispenser. 1,832,735; Nov. 17.
Puzo, Carmine, Worcester, Mass. Advertising attachment for street-car hand straps or handles. 1,799,062; Mar. 31.
Puzo, Carmine, Worcester, Mass. Advertising attachment for street-car hand straps. 1,799,063; Mar. 31.
Pyankow, Serge M., Moscow, Union of Socialist Soviet Republics. Oil burner. 1,813,083; July 7.
Pykosz, John, Chicago, Ill. Smoke consumer. 1,819,119; Aug. 18.
Pyle-National Company, The. (See Amos, John A., assignor.)
Pyle-National Company, The. (See Dake, Charles W., assignor.)
Pyle-National Company, The. (See Dake, C. W., and Wulle, assignors.)
Pyle-National Company, The. (See Kennedy, J. J., and Dake, assignors.)
Pyle-National Company, The. (See Sipp, Edward A., assignor.)
Pyle-National Company, The (See Westcott, Philip S., assignor.)
Pyle-National Company, The. (See Wulle, William A., assignor.)
Py-Lubro Company. (See Rattigan, Edwin D., assignor.)
Pym, Arthur F. (See Whelton, J. M., and Pym.)
Pym, Arthur F., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Relasting machine. Re18,186; Sept. 15.
Pym, Arthur F., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Leveling machine. 1,802,833; Apr. 28.
Pym, Arthur F., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Smoothing machine. 1,819,120; Aug. 18.
Pym, Arthur F., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Separating shoes and lasts. 1,819,440; Aug. 18.
Pym, Arthur F., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,833,092; Nov. 24.
Pym, Arthur F., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 1,833,123; Nov. 24.
Pym, Arthur F., Marblehead Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon soles. 1,790,837; Feb. 3.
Pyratone Products Corporation. (See Barrett, Harold G., assignor.)
Pyrene Manufacturing Company. (See MacGregor, Peter G., assignor.)
Pyrene-Minimax Corporation. (See Burmeister, Hans, assignor.)
Pyrene-Minimax Corporation. (See Schnabel, Rudolf, assignor.)
Pyrene-Minimax Corporation. (See Wagener, Clemens, assignor.)
Pyridium Corporation, The. (See Ostromislensky, Iwan, assignor.)
Pyridium Corporation, The. (See Philipp, Karl, assignor.)
Pyridium Corporation, The. (See Tisza, E. T., and Joos, assignors.)
Pyron, Homer H. (See Macomber, H. M., and Pyron.)
Pyzel, Daniel, Oakland, assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Oil-refining system. 1,811,645; June 23.
Pyzel, Daniel, Piedmont, Calif., assignor to Universal Oil Products Company, Chicago, Ill. Hyrocarbon oil treatment. 1,811,646; June 23.
Pyzel, Robert, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,833,472; Nov. 24.
Pyzel, Robert, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 1,833,473; Nov. 24.
Q. R. S.-De Vry Corporation. (See de Vry, Herman A., assignor.)
Q. R. S.-De Vry Corporation. (See Fitch, Claude E., assignor.)
Q. R. S. De Vry Corporation. (See Hogan, Edward F., assignor.)
Q. R. S. De Vry Corporation. (See Miesse, Richard E., assignor.)
Q. R. S. Neon, Inc. (See Miesse, Richard E., assignor.)
Quaas, Johannes, assignor to Hans Prinz, Erfurt, Germany. Device for preventing side slips in motor vehicles and the like. 1,821,816; Sept. 1.
Quackenbush, Cleveland H., South Euclid, Ohio. Armature winding. 1,807,252; May 26.
Quade, William H., Los Angeles, Calif. Plaster and stucco reenforcing base. 1,802,779; Apr. 28.
Quadrow, Albert, et al. (See Swearingen, Alfred R., assignor.)
Quail, Kenneth H. (See Shoemaker, Joseph J., assignor.)
Quaker City Metal Products Corporation. (See Pesacov, Louis, assignor.)
Quaker Hosiery Company. (See Goetsch, George W., assignor.)
Quaker Manufacturing Company. (See Hohler, Frank A., assignor.)
Quaker Silver Company. (See Jennings, James W., assignor.)
Quality Hardware and Machinery Corporation. (See Moyer, Charles L., assignor.)
Qualman, George J., Toledo, Ohio. Laundry apparatus. 1,837,482; Dec. 22.
Quam, Louis B., M. W. Northington, and J. D. Sawyer, near Eastland, Tex. Rail-gauging device. 1,793,961; Feb. 24.
Quandt, Felix H., Rolling Prairie, Wis. Adjustable window box bracket. 1,809,216; June 9.
Quantock, Richard. (See Turner, A. J., and Quantock.)
Quarnstrom, Alfred, assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,811,279; June 23.
Quarnstrom, Folke, New York, N. Y. Combination can and bottle opener. 1,817,393; Aug. 4.
Quarrie, Eugene A., New York, N. Y., assignor to C. E. Manufacturing Co., Providence, R. I. Rectifier. 1,803,976; May 5.
Quartermatic Photos Inc. (See Morrall, James I., assignor.)
Quasi-Arc Company. (See Musto, Romeo J., assignor.)
Quasi-Arc Incorporated. (See Strohmenger, Arthur P., assignor.)
Quast, Carl A. (See Schwartz, H. L., Quast, and Spitz.)
Quattrocchi, Edmondo, Paris, France. Machine for the reproduction of sculpture. 1,795,887; Mar. 10.
Quayle, Philip P. (See Holden, C. L., and Quayle.)
Quayle, Philip P., Chevy Chase, Md., assignor to The Peters Cartridge Company, Cincinnati, Ohio. Shot string meter. 1,807,601; June 2.
Quayle, Philip P., Lebanon, assignor to The Peters Cartridge Company, Cincinnati, Ohio. Intensity of ignition apparatus. 1,824,407; Sept. 22.
Quebbeman, W. A. (See Hudson, Harry E., assignor.)
Queeney, Frank E. (See Jupp, W. B., and Queeney.)
Queeney, Frank E. (See Masury, A. F., and Queeney.)
Queinnec, Marguerite M., Landivisiau, France. Apparatus for the molding of panels and the like. 1,837,996; Dec. 22.
Quelch, George C., Oakmont, Pa., assignor, by mesne assignments, to Union Carbide and Carbon Research Laboratories, Inc., New York, N. Y. Cutting torch. 1,800,569; Apr. 14.
Quelch, George C., Oakmont, Pa., assignor, by mesne assignments, to Union Carbide and Carbon Research Laboratories, Inc., New York, N. Y. Tip for cutting torches. 1,832,319; Nov. 17.
Quellhorst, Elwin G., Cleveland, Ohio. Electric hammer. 1,812,271; June 30.
Quendoz, Albert. (See Ramseier, Albert, assignor.)
Quendt, Bernhard. (See Drüppel, Cläre, assignor.)
Quendt, Bernhard, Essen, Germany. Preliminary tanning process. 1,823,467; Sept. 15.
Queneau, Augustin L. J., New York. N. Y. Producing tin. 1,816,742; July 28.
Queneau, Augustin L. J., New York, N. Y. Recovery of metals from ores. 1,816,743; July 28.
Quentell, William P., Washington, D. C. Typewriting machine. 1,795,675; Mar. 10.
Quer, Karl A., Kassel, Germany. Educational game for teaching arithmetic. 1,836 870; Dec. 15.
Quertinmont, Jules J., Point Marion, Pa. Supplying float for drawing sheets of glass. 1,800,902; Apr. 14.
Quesenberry, Henry C., Delton, Va. Jack abutment. 1,793,415; Feb. 17.
Quest, Francis E., assignor of one-half to O. H. Quest, Knoxville, Pa. Smoking device. 1,795,315; Mar. 10.
Quest, Otis H. (See Quest, Francis E., assignor.)
Quick, Cecil G., Eltham, London, and E. T. Morris, Catford, London, England, assignors to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for rotary printing machines. 1,799,703; Apr. 7.
Quick, Cecil G., Eltham, London, and T. R. Bennett, Willesden, London, England, assignors to R. Hoe & Co., Inc., New York, N. Y. Late news device for printing machines. 1,818,751; Aug. 11.
Quick, Floyd R. (See Vogel, N. J., and Quick.)

Quick, William, London, S. E. Thomas, Hounslow, and F. W. Berwick, London, England. Device for controlling windows of the sliding type. 1,807,548; May 26.
Quigan, Frank J., Inc. (See Zachman, William H., assignor.)
Quigg, Murray T. (See Volf, Christian A., jr., assignor.)
Quiggle, Arthur W., and A. S. T. Lagaard, assignors to The Creamette Company, Minneapolis, Minn. Machine for drying and curing macaroni and other products made from a paste of flour and water. 1,822,313; Sept. 8.
Quigley, John T., Los Angeles, Calif. Label holder for vertical files. 1,800,404; Apr. 14.
Quigley, Thomas F., Cleveland, Ohio, assignor to Micromatic Hone Corporation. Hydraulic honing and lapping machine. 1,818,098; Aug. 11.
Quigley, W. A. (See Goble, Bert G., assignor.)
Quijano, Jorge, Mexico City, Mex. Calculator. 1,800,752; Apr. 14.
Quill, Joseph M., Lowell, assignor to Universal Winding Company, Boston, Mass. Bunch-builder for winding machines. 1,809,217; June 9.
Quilliam, Samuel T., Manchester, England. Switching device. 1,817,206; Aug. 4.
Quillin, Otto I., and C. R. Wright, Colorado Springs, Colo. Advertising device. 1,812,715; June 30.
Quimby, Charles W., assignor to E. F. Houghton and Company, Philadelphia, Pa. Valve seat for gas governors and the like. 1,827,610; Oct. 13.
Quimby, Ralph A. (See Guild, W. J., Quimby, and Gibbs.)
Quinan, Louie S., Sacramento, Calif. Combination bean cultivator and cutter. 1,789,563; Jan. 20.
Quinby, Albert J. (See Mayeroff, J., and Quinby.)
Quincy Stove Manufacturing Company, The. (See Heidbreder, Herman H., assignor.)
Quine, James F., Medford, Mass., assignor to Wellman Company, Medford, Mass. Sole pattern. 1,794,979; Mar. 3.
Quinlan, William H. (See Densmore, Leroy F., assignor.)
Quinn, Ada, Ogden, Utah. Apron. 1,830,290; Nov. 3.
Quinn, Charles H., San Francisco, Calif. Automatic fuel, damper, and stack control. 1,837,923; Dec. 22.
Quinn, David, Eau Claire, Wis. Mail box. 1,810,058; June 16.
Quinn, Edward J., assignor to Morgan Construction Company, Worcester, Mass. Conveying mechanism. 1,831,508; Nov. 10.
Quinn, James J. (See Dolan, D., and Quinn.)
Quinn, John E., New York, N. Y. Stocking and making same. 1,789,450; Jan. 20.
Quinn, John J., Chicago, Ill. Drain valve. 1,830,132; Nov. 3.
Quinn, Joseph F., Burlingame, assignor to G. W. Caswell Co., San Francisco, Calif. Hand opening can. 1,809,451; June 9.
Quinn, Nelson J., Toledo, assignor to The Metal Castings Holding Corporation, Cleveland, Ohio. Coated mold and preparing same. 1,794,536; Mar. 3.
Quinn, Nelson J., Toledo, assignor to The Metal Castings Holding Corporation, Cleveland, Ohio. Permanent mold. 1,816,744; July 28.
Quinsler, Frank M., Chicago, Ill. Power driven plane. 1,812,755; June 30.
Quintard, Daniel S., New York, N. Y. Curtain or portière holder. 1,835,521; Dec. 8.
Quintus, Charles. (See Quintus, Paul and C.)
Quintus, Paul, and C., Garner, Iowa. Thresher. 1,814,494; July 14.
Quiring, Kornelius, Oakland, Calif. Collapsible drawing table. 1,810,575; June 16.
Quirk, Wellington J. (See Metz, R., and Quirk.)
Quiroz, Francisco A. (See Cooper, W. E., and Quiroz.)
Quisling, Sverre. (See Nelson, J. H., and Quisling.)
Quist, Claus A., Los Angeles, Calif. Fireplace damper. 1,830,073; Nov. 3.
Quitschalle, Georg, Pankow, near Berlin, Germany. Suspension device for fire extinguishers. 1,831,193; Nov. 10.
Quitt, Karl A. R. (See Kock, H. R. F., and Quitt.)
Quong Sun Company Inc. (See On, Chaw Hop, assignor.)
R C A-Victor Company. (See Rancorn, J. A., and Barnes.)
R-B-M Manufacturing Co. (See Dashner, William W., assignor.)
R. M. Company. (See Murray, Howard J., assignor.)
Raab, Andrew, Portland, Oreg. Agricultural implement. 1,810,787; June 16.
Rabbes, Henry, Washington, D. C., assignor by mesne assignments, to Chain Store Products Corporation, Chicago, Ill. Hair waver. 1,791,637; Feb. 10.
Rabbidge, William F., Ulverston, assignors to Vickers Limited, Westminister, England. Structure or framing of internal combustion engines. 1,818,752; Aug. 11.
Rabbit, Frank, Baltimore, Md. Glare shield. 1,838,282; Dec. 29.
Rabe, Frederick W., assignor to Anheuser-Busch, Inc., St. Louis, Mo. Refrigerating apparatus. 1,812,170; June 30.
Raber, Robert R. (See Tanner, H. D., and Raber.)
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Cable terminal for spark plugs. 1,792,866; Feb. 17.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Air cleaner. 1,795,888; Mar. 10.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug. 1,797,731; Mar. 24.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Shielding means for ignition apparatus. 1,806,548; May 19.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Electrical contact. 1,812,495; June 30.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Side wire gap wrench for spark plugs. 1,812,496; June 30.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Automatic control attachment. 1,823,430; Sept. 15.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Gaseous fuel mixing device. 1,825,361; Sept. 29.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug with sleeve-constrictive bushing. 1,825,362; Sept. 29.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug with a ruff neck bushing. 1,826,404; Oct. 6.
Rabezzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Assembling spark plugs. 1,835,574; Dec. 8.
Rabinof, Abraham M., Brooklyn, N. Y. Binder. 1,830,961; Nov. 10.
Rabinowitsch, E., Haifa, Palestine, assignor to Sanfarine, Société Anonyme de Nouveaux Procédés, Rationnels de Purification et de Préparation de Pates de Céréales, Paris, France. Fermentation and disintegration of the cellular tissue of grains. 1,836,937; Dec. 15.
Rabjohn, Lloyd E., and R. W. Hollenberg, Oakland, assignors to Cool Spring Filters, Inc., San Francisco, Calif. Water filter. 1,790,947; Feb. 3.
Racette, Jerry J., Portland, Oreg. Window-shade support. 1,792,184; Feb. 10.
Rach, Carl, New York, N. Y. Making dextrose and dextrose compounds. 1,825,603; Sept. 29.
Rachel, Julian A., et al. (See Stenzel, Amos E. assignor.)
Rachlin, Max, Brooklyn, N. Y. Cutter hanger. 1,824,570; Sept. 22.
Racine Dispenser & Manufacturing Company. (See Hanson, Sigvort, assignor.)
Racine Tool & Machine Company. (See Ott, Percy O., assignor.)
Racine Universal Motor Company. (See Van Bree, Hubert, assignor.)
Rackliffe, Eugene C., Jackson, Mich. Floor brush. 1,797,366; Mar. 24.
Raconite Chemical Company. (See Stevens, James L., assignor.)
Racusin, Adolf, Berlin, Germany, and J. Spira, Warsaw, Poland. Container for cube-sugar with delivery devices. 1,834,641; Dec. 1.
Racz, Ernest. (See Gooch, C. W., and Racz.)
Radburne, John W., Rushden, assignor to Barrow, Hepburn & Gale, London, England. Boot, shoe, and similar footwear. 1,804,545; May 12.
Radcliffe, Fred, Philadelphia, Pa. Car-journal oiler. 1,789,498; Jan. 20.
Radcliffe, John, Sherlock Row, near Twyford, England, assignor to Colprovia Limited, London, England. Road making and the like. Re17,985; Mar. 3.
Raddatz, Albert. (See Schroeder, F., and Raddatz.)
Radeeff, Andrew. (See Levine, H. D., and Radeeff.)
Rader, Earl D., Bedford, assignor to Dexter Folder Company, New York, N. Y. Folding machine. 1,806,706; May 26.
Rader, Harold K. (See Mueller, O. B., Robinson, and Rader.)
Rader, Harold K., assignor to Mueller Brass Co., Port Huron, Mich. Lawn sprinkler. 1,821,579; Sept. 1.
Rader, Harold K., assignor to Mueller Brass Co., Port Huron, Mich. Adjustable extension for sprinkler systems. 1,833,040; Nov. 24.
Rader, Robert J., New Rochelle, N. Y., assignor to J. C. Penney Company. Velocipede trailer. 1,827,401; Oct. 13.
Radermacher, August, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Printing mechanism for cash registers. 1,803,037; Apr. 28.
Radermacher, Lawrence J. (See Goetz, J., and Radermacher.)
Radford, Arthur S., Southall, and M. Bowman-Manifold, Hayes, England, assignors to Victor Talking Machine Company. Sound reproducing system. 1,807,602; June 2.
Radford, William H., assignor to Caterpillar Tractor Co., San Leandro, Calif. Radiator screen. 1,791,841; Feb. 10.
Radford, William H., assignor to Caterpillar Tractor Co., San Leandro, Calif. Cylinder head. 1,792,867; Feb. 17.
Radford, William H., assignor to Caterpillar Tractor Co., San Leandro, Calif. Exhaust-pipe construction. 1,794,642; Mar. 3.
Radford, William H., assignor to Caterpillar Tractor Co., San Leandro, Calif. Clutch brake. 1,819,385; Aug. 18.
Radford, William H., assignor to Caterpillar Tractor Co., San Leandro, Calif. Transmission. 1,831,194; Nov. 10.
Radford, William H., assignor to Caterpillar Tractor Co., San Leandro, Calif. Transmission. 1,831,195; Nov. 10.
Radiant Lighting Fixture Co. (See Bohl, Hugo, assignor.)
Radice, William A., Westminster, assignor to Braithwaite and Company Engineers Limited, London, England. Pile screwing apparatus. 1,804,706; May 12.
Radics, Alex. (See Rietmann, J. A., and Radics.)

Radio Cabinet Manufacturing Corporation. (See Wuenn, Edward, assignor.)
Radio Condenser Company. (See Cramer, Stanley S., assignor.)
Radio Condenser Company. (See Gilling, Preston E., assignor.)
Radio Corporation. (See Mallina, Rudolph F., assignor.)
Radio Corporation of America. (See Alexanderson, E. F. W., and Ranger, assignors.)
Radio Corporation of America. (See Amy, Ernest V., assignor.)
Radio Corporation of America. (See Bangay, Raymond D., assignor.)
Radio Corporation of America. (See Beverage, H. H., and Peterson, assignors.)
Radio Corporation of America. (See Black, Knox C., assignor.)
Radio Corporation of America. (See Bloomenthal, Sidney, assignor.)
Radio Corporation of America. (See Bloomenthal, S., and Adler, assignors.)
Radio Corporation of America. (See Brown, John, assignor.)
Radio Corporation of America. (See Bubb, William F., assignor.)
Radio Corporation of America. (See Buckle, Horace L. T., assignor.)
Radio Corporation of America. (See Cawley, Aloysius J., assignor.)
Radio Corporation of America. (See Clark, G. H., and Allen, assignors.)
Radio Corporation of America. (See Clough, Newsome H., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Davis, N. E., and Ditcham, assignors.)
Radio Corporation of America. (See de Jongh, Gerrit H., assignor.)
Radio Corporation of America. (See Doolittle, Franklin M., assignor.)
Radio Corporation of America. (See Drake, Frederick H., assignor.)
Radio Corporation of America. (See Drake, F. H., and Farnham, assignors.)
Radio Corporation of America. (See Drake, F. H., and Loughlin, assignors.)
Radio Corporation of America. (See Eberhard, Heinrich, assignor.)
Radio Corporation of America. (See Elliott, Harold F., assignor.)
Radio Corporation of America. (See Farrow, Frederick R., jr., assignor.)
Radio Corporation of America. (See Finch, James L., assignor.)
Radio Corporation of America. (See Fracker, Henry E., assignor.)
Radio Corporation of America. (See Franklin, Charles S., assignor.)
Radio Corporation of America. (See Gage, Edward G., assignor.)
Radio Corporation of America. (See George, J. I., and Chiffey, assignors.)
Radio Corporation of America. (See Giebe, E., and Scheibe, assignors.)
Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)
Radio Corporation of America. (See Green, Ernest, assignor.)
Radio Corporation of America. (See Haigis, Carleton D., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Harrison, Jamison R., assignor.)
Radio Corporation of America. (See Hollerith, Herman, jr., assignor.)
Radio Corporation of America. (See Holst, G., van Urk, and Vermeulen, assignors.)
Radio Corporation of America. (See Karolus, August, assignor.)
Radio Corporation of America. (See Kroger, Fred H., assignor.)
Radio Corporation of America. (See Kummerer, Wilhelm, assignor.)
Radio Corporation of America. (See Kwartin, Bernard, assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Loewe, Bernhard, assignor.)
Radio Corporation of America. (See Loewe, Siegmund, assignor.)
Radio Corporation of America. (See Loppacker, Albert, assignor.)
Radio Corporation of America. (See Miessner, Benjamin F., assignor.)
Radio Corporation of America. (See Minton, John P., assignor.)
Radio Corporation of America. (See Moulton, Alfred B., assignor.)
Radio Corporation of America. (See Muller, Fred, assignor.)
Radio Corporation of America. (See Peterson, Harold O., assignor.)
Radio Corporation of America. (See Ranger, Richard H., assignor.)
Radio Corporation of America. (See Ranger, R. H., and Morehouse, assignors.)
Radio Corporation of America. (See Ranger, R. H., and Nelson, assignors.)
Radio Corporation of America. (See Ranger, R. H., and Smith, assignors.)
Radio Corporation of America. (See Reerink, E. H., and Mulder, assignors.)
Radio Corporation of America. (See Ringel, Abraham, assignor.)
Radio Corporation of America. (See Roberts, Walter V., assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Corporation of America. (See Romp, Johan, assignor.)
Radio Corporation of America. (See Round, Henry J., assignor.)
Radio Corporation of America. (See Shapiro, Lazarus, assignor.)
Radio Corporation of America. (See Shapiro, L., and Larsen, assignors.)
Radio Corporation of America. (See Smale, John A., assignor.)
Radio Corporation of America. (See Smith, Theodore A., assignor.)
Radio Corporation of America. (See Threlkeld, T. G., and Butterfield, assignors.)
Radio Corporation of America. (See Turner, Samuel, assignor.)
Radio Corporation of America. (See Usselman, George L., assignor.)
Radio Corporation of America. (See van der Pol, Balthasar, assignor.)
Radio Corporation of America. (See Van Dyck, Arthur F., assignor.)
Radio Corporation of America. (See Van Gessel, Karel M., assignor.)
Radio Corporation of America. (See Vermeulen, Roelof, assignor.)
Radio Corporation of America. (See Vermeulen, R., and van Urk, assignors.)
Radio Corporation of America. (See Weagant, Roy A., assignor.)
Radio Corporation of America. (See Weinberger, Julius, assignor.)
Radio Corporation of America. (See Whitaker, A., and Browne, assignors.)
Radio Corporation of America. (See Whitaker, James N., assignor.)
Radio Corporation of America. (See Wolff, I., and Olson, assignors.)
Radio Corporation of America. (See Woods, Fred, assignor.)
Radio Corporation of America. (See Wright, George M., assignor.)
Radio Corporation of America. (See Wright, G. M., and Smith, assignors.)
Radio Corporation of America. (See Young, Lloyd L., assignor.)
Radio Frequency Laboratories, Incorporated. (See Ballantine, Stuart, assignor.)
Radio Frequency Laboratories Incorporated. (See Drake, Frederick H., assignor.)
Radio Frequency Laboratories, Inc. (See Drake, F. H., and Farnham, assignors.)
Radio Frequency Laboratories, Incorporated. (See Farnham, P. O., and Asserson, assignors.)
Radio Frequency Laboratories, Inc. (See Ferris, Malcolm, assignor.)
Radio Frequency Laboratories, Incorporated. (See Hull, Lewis M., assignor.)
Radio Frequency Laboratories, Incorporated. (See Snow, Harold A., assignor.)
Radio, Inc. (See Trogner, Arthur M., assignor.)
Radio Inventions, Inc. (See Alden, Milton, assignor.)
Radio Inventions, Inc. (See Donle, Harold P., assignor.)
Radio Inventions, Inc. (See Young, Frank A., assignor.)
Radio Master Corporation of America. (See Rypkema, William, assignor.)
Radio Patents Corporation. (See Andrewes, Humfrey, assignor.)
Radio Patents Corporation. (See Nyman, Alexander, assignor.)
Radio Patents Corporation. (See Ow-Eschingen, Max, assignor.)
Radio Patents Corporation. (See Richter, R., and Fekete, assignors.)
Radio Patents Corporation. (See Schmierer, Johannes M., assignor.)
Radio Products Company, The. (See Jackson, Paul F., assignor.)
Radio Television Company, The. (See McIlvaine, Oran T., assignor.)
Radiore Company, The. (See Jakosky, John J., assignor.)
Radiovisor Foreign & Colonial Limited. (See Heaton, Peter St. J., assignor.)
Radium Emanation Corporation, The. (See Cervi, Armando, assignor.)
Radium Emanation Corporation, The. (See Muir, Joseph, assignor.)

Radke, Gerhard, Berlin assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Automatic telephone system. 1,798,495; Mar. 31.
Radkus, Laurent V., assignor to Hindu Incense Mfg. Co., Chicago, Ill. Box. 1,813,256; July 7.
Radloff, Johannes. (See Sass, F., Radloff, and Gerstmayr.)
Rado, Leopold, Berlin-Helensee, Germany. Material facing for embellishing articles. 1,802,066; Apr. 21.
Radó, Leopold, Halensee, Berlin, Germany. Metal fabric and manufacturing the same. 1,810,438; June 16.
Rado, Leopold, Berlin-Halensee, Germany. Attaching sealing or labeling strips or the like to boxes, cases, and wrappings made of metal-foil-covered paper, cardboard, and the like. 1,828,680; Oct. 20.
Rado, Leopold, Berlin-Halensee, Germany. Collapsible tube or container for pastes and the like. 1,831,751; Nov. 10.
Radt, Wilhelm P., assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Rope hoist. 1,796,875; Mar. 17.
Radway, Henry L., Cleveland, Ohio. Process of and apparatus for applying stencil designs. 1,799,531; Apr. 7.
Radzinsky, Harry. (See Brell, Jules J., assignor.)
Raeck, Max, Dessau-Ziebigk, Anhalt, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Light-sensitive material and production of photographic prints. 1,832,854; Nov. 10.
Raeck, Max, Dessau-Ziebigk in Anhalt, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Production of photographic prints and light-sensitive materials. 1,833,856; Nov. 24.
Ræder, Johan K. B., Holmenkollen, near Oslo, Norway, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for making glass. 1,820,247; Aug. 25.
Ræder, Johan K. B., Holmenkollen, near Oslo, Norway, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass making furnace and method. 1,820,248; Aug. 25.
Raetz, Edwin M., and J. Eichinger, Rochester, Minn. Medicament vaporizer. 1,838,571; Dec. 29.
Raffelson, Jacob, Rochester, N. Y. Display board. 1,789,908; Jan. 20.
Raffelson, Jacob, Rochester, N. Y. Garment-display mechanism. 1,789,909; Jan. 20.
Raffinerie Tirlemontoise Société Anonyme. (See Bergé, Julien, assignor.)
Raffo, Andrea, Chiavari, Italy. Multiple gymnastic instrument. 1,822,786; Sept. 8.
Raffold Process Corporation. (See Rafton, Harold R., assignor.)
Raftenberg, Samuel, New York, assignor to Blum Folding Paper Box Co. Inc., Brooklyn, N. Y. Paper box. 1,838,154; Dec. 29.
Rafter, Albert, assignor, by mesne assignments, to said Albert Rafter and J. C. Rafter, jr., Belleville, N. J. Machine for rolling sheet-metal shapes. 1,792,122; Feb. 10.
Rafter, Albert, assignor to Rafter Machine Company, Belleville, N. J. Machine for bending sheet metal shapes. 1,812,982; July 7.
Rafter, Albert, assignor, by mesne assignments, to said Albert Rafter and J. C. Rafter, jr., Belleville, N. J. Machine for bending sheet metal shapes. 1,813,951; July 14.
Rafter, John C., jr. (See Rafter, Albert, assignor.)
Rafter Machine Company. (See Rafter, Albert, assignor.)
Rafton Engineering Corporation. (See Rafton, Harold R., assignor.)
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Paper product and making the same. 1,803,642; May 5.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Paper product and making the same. 1,803,643; May 5.
Rafton, Harold R., Lawrence, Mass., assignor to Rafton Laboratories, Inc. Sizing paper. 1,803,644; May 5.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Paper product and making the same. 1,803,645; May 5.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Eliminating foam in paper manufacture. 1,803,646; May 5.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Manufacture of carbonate filled sized paper. 1,803,647; May 5.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Sizing carbonate filled paper. 1,803,648; May 5.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Eliminating foam in paper manufacture. 1,803,649; May 5.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Sizing carbonate filled paper. 1,803,650; May 5.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Sizing carbonate filled paper. 1,803,651; May 5.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Sizing carbonate filled paper. 1,803,652; May 5.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Paper and making the same. 1,808,067; June 2.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Manufacture of paper. 1,808,068; June 2.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Manufacture of paper. 1,808,069; June 2.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Producing paper filled with alkaline filler. 1,808,070; June 2.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Producing paper filled with alkaline filler. 1,808,071; June 2.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Improving paper machine operation. 1,808,072; June 2.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Improving paper machine operation. 1,808,073; June 2.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Manufacture of paper. 1,810,728; June 16.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Manufacture of paper. 1,810,729; June 16.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Filled pulp and making the same. 1,812,832; June 30.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Paper product and making the same. 1,819,441; Aug. 18.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Preventing breaks on paper machines. 1,821,849; Sept. 1.
Rafton, Harold R., Lawrence, Mass., assignor to Raffold Process Corporation. Elimination of foam in paper manufacture and the product thereof. 1,831,928; Nov. 17.
Rafton, Harold R., Lawrence, Mass., assignor to Rafton Engineering Corporation. Valve. 1,836,280; Dec. 15.
Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Manufacture of paper. 1,813,362; July 7.
Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Manufacture of paper. 1,834,903; Dec. 1.
Rafton Laboratories, Inc. (See Rafton, Harold R., assignor.)
Ragains, James S., Caldwel, Idaho. Fluid-current motor. 1,799,439; Apr. 7.
Ragan, Frederick H., Shaker Heights, assignor to The Columbia Axle Company, Cleveland, Ohio. Bearing and making same. 1,797,444; Mar. 24.
Ragan, Frederick H., Cleveland, Ohio. Brake mechanism. 1,836,726; Dec. 15.
Ragan, Frederick H., assignor to The Columbus Axle Company, Cleveland, Ohio. Chucking mechanism. 1,816,655; July 28.
Ragan, Ralph, Atlanta, Ga. Oil purifying system for internal combustion engines. 1,818,429; Aug. 11.
Ragan, Ralph, Atlanta, Ga. Fan regulating device. 1,827,039; Oct. 13.
Ragatz, Edward G., assignor to Union Oil Company of California, Los Angeles, Calif. Distillation of petroleum. 1,806,023; May 19.
Rage, Sofus, Minneapolis, Minn. Cooker with heat and pressure. 1,820,325; Aug. 25.
Ragewitz, Fritz, Cologne, Germany. Threading device for sewing needles. 1,797,732; Mar. 24.
Ragland, William T., Raleigh, N. C. Mixing paving material. 1,788,887; Jan. 13.
Ragody, René A. (See Adam, Isaïé C.)
Ragonese fu Mario, Anthony, New London, Conn. Jar wrench. 1,812,705; June 30.
Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Aircraft construction and making same. 1,834,642; Dec. 1.
Ragsdale, Earl J. W., and J. C. Whitesell, jr., Norristown, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Current collector. 1,802,957; Apr. 28.
Rah, Joseph, assignor, by mesne assignments, to G. and W. Electric Specialty Company, Chicago, Ill. System of electrical distribution. 1,803,653; May 5.
Rah, Joseph, assignor to G. & W. Electric Specialty Company, Chicago, Ill. Oil switch. 1,811,805; June 23.
Rah, Joseph, assignor to G & W Electric Specialty Co., Chicago, Ill. Oil and air break pothead disconnect. 1,819,302; Aug. 18.
Rah, Joseph, assignor to G. & W. Electric Specialty Company, Chicago, Ill. Switch. 1,833,176; Nov. 24.
Rahlfs, Erich. (See Frowein, F., and Rahlfs.)
Rahm, Frederick, and A. C. Pilcher, Louisville, Ky., assignors to Precision Syrup Pump Company, Jefferson County, Ky. Syrup pump. 1,792,707; Feb. 17.
Rahn, Alice E. (See Dunn, C. R., and Rahn.)
Rahn, Alphonso W. (See Haack, William F., assignor.)
Rahn, Franz, assignor to the Firm C. H. Boehringer Sohn, Chemische Fabrik, Nieder-Ingelheim-on-the-Rhine, Germany. Purification of acetylene. 1,806,419; May 19.
Rahn, Lloyd N., Lanark, Ill. Corn planter. 1,798,107; Mar. 24.
Raible, Charles G., assignor of one-half to The Fanner Manufacturing Company, Cleveland, Ohio. Apparatus for setting chaplets. 1,796,665; Mar. 17.
Raidt, Byron F., Shenandoah, Iowa. Glove. 1,832,838; Nov. 17.

Raife, Harry E., Wilkes-Barre, Pa. Road marker. 1,804,230; May 5.
Rail Appliance Corporation. (See Fulton, Lyle H., assignor.)
Rail Joint Company, The. (See Armstrong, Victor C., assignor.)
Rail Joint Company, The. (See Braine, Daniel L., assignor.)
Rail Joint Company, The. (See Disbrow, Clarkson A., assignor.)
Rail Joint Company, The. (See Meade, John N., assignor.)
Rail Joint Company, The. (See Payne, Ralph W., assignor.)
Rail Joint Company, The. (See Schermerhorn, Edwards F., assignor.)
Rail Joint Company, The. (See Thomson, William P., assignor.)
Railroad Supply Company, The. (See Brach, Leon S., assignor.)
Railroad Supply Company, The. (See Hill, Frederick M., assignor.)
Railway Devices Company. (See Hoerr, Louis A., assignor.)
Railway Devices Company. (See Hoerr, L. A., and Pietzsch, assignors.)
Railway Devices Company. (See Pietzsch, F. H., and Campbell, assignors.)
Railway Engineering Equipment Company. (See Murray, George E., assignor.)
Railway Hydraulic Systems. (See Wignall, William J., assignor.)
Railway and Industrial Company. (See Massey, Hemsley B., assignor.)
Railway and Industrial Engineering Company. (See Koppitz, Carl G., assignor.)
Railway Maintenance Corporation. (See McWilliams, James B., assignor.)
Railway Metal Products Company. (See Gilpin, Garth G., assignor.)
Railway Metal Products Company. (See Van Dorn, William E., assignor.)
Railway Service & Supply Corporation. (See Grisbaum, Leonard D., assignor.)
Railway Service and Supply Corporation. (See Pearce, Edwin S., assignor.)
Railway Signal Company. (See Elsworth, Robert B., assignor.)
Railway Signal Company Limited, The. (See Roberts, Walter S., and Burton, assignors.)
Railway Utility Company. (See Hartwig, William G., assignor.)
Rainbow Light, Inc. (See Machlett, Raymond R., assignor.)
Rainbow Light, Inc. (See Machlett, R. R., and Stokes, assignor.)
Rainbow Light, Inc. (See Werner, Oscar, assignor.)
Rainchon, Léon, Dorplein, Budel, North Brabant, Netherlands. Heating boiler. 1,800,105; Apr. 7.
Raine, Thomas C., Mullins, S. C. Arm rest. 1,802,217; Apr. 21.
Raines, Robert T. (See Evans, A. J., and Raines.)
Rainey, James C., Grove City, Pa. Rail joint. 1,798,698; Mar. 31.
Rainsford, Patrick, Dorchester, Mass. Window shade. 1,805,372; May 12.
Rainwater, Ora A., Marysville, Wash., assignor of one-half to Mrs. W. J. White. Dropping board for use in poultry houses. 1,807,932; June 2.
Raisch, Cinderella, Dinuba, Calif. Silver cleaning and and polishing composition. 1,795,676; Mar. 10.
Rajah Company, The. (See Berthold, George H. E., assignor.)
Rajeska, Jake, Spokane, Wash. Automobile carrier rack. 1,795,677; Mar. 10.
Rak, Jaroslav, Chicago, Ill., assignor to Variety Fire Door Company. Elevator door. 1,829,155; Oct. 27.
Rall, Emil D., H. L. Moore, and W. B. Nivert, Glasgow, Mo. Combined supporting rack and tilter for barrels and casks. 1,790,319; Jan. 27.
Rall, Max, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electric ignition system for internal combustion engines. 1,828,620; Oct. 20.
Rall, Max, and E. Durst, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Gearing. 1,812,552; June 30.
Ralls, James C., Sheffield, England. Lock. 1,828,544; Oct. 20.
Ralph, Edward D., Jamaica, N. Y. Method of and apparatus for constructing artificial dentures. 1,815,956; July 28.
Ralph, Henry W. (See Ralph, John J., assignor.)
Ralph, John J., New York, N. Y., assignor to Henry W. Ralph, Chicago, Ill. Writing tablet. 1,791,325; Feb. 3.
Ralph, Rutherford B. (See Seely, George E., assignor.)
Ralph, Stuart H., Belmont, Mass., assignor to The Patent and Licensing Corporation, Boston, Mass. Composition roofing or siding strip. Des. 84,668; July 14.
Ralph, Walter M., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of polyazo coloring matters. 1,832,322; Nov. 17.
Ralston, Alfred I., Omaha, Nebr. Vehicle operated gate. 1,798,699; Mar. 31.
Ralston, Alfred I., Omaha, Nebr. Stock waterer. 1,813,318; July 7.
Ralston, Oliver C. (See Fowler, M. G., Ralston, and Kuzell.)
Ralston Purina Company. (See Noxon, Elwin I., assignor.)
Ramage, Alexander S., assignor to Gyro Process Company, Detroit, Mich. Refining hydrocarbon oils. 1,796,621; Mar. 17.
Ramage, Alexander S., Detroit, Mich., assignor to Coals and Chemicals, Ltd. Obtaining aromatic hydrocarbons. 1,812,372; June 30.
Ramage, John H., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Treatment of metallic filaments. 1,826,524; Oct. 6.
Ramage, William H., Girard, assignor to Valley Mould & Iron Corporation, Hubbard, Ohio. Hot top. 1,792,868; Feb. 17.
Ramage, William H., Girard, Ohio, assignor to Valley Mould & Iron Corporation, Sharpsville, Pa. Steel ingot. 1,813,507; July 7.
Ramage, William H., Trumbull County, and E. J. Kauffman, Girard, assignors to Valley Mould and Iron Corporation, Hubbard, Ohio. Ingot mold. 1,813,508; July 7.
Ramakers, Cornelius, and D. R. Carsley, Los Angeles, Calif., assignors to Soaring Plane Corporation. Airplane. 1,805,722; May 19.
Ramapo Ajax Corporation. (See Hull, Samuel P., assignor.)
Ramapo Ajax Corporation. (See Strong, James B., assignor.)
Ramapo Ajax Corporation. (See Strong, J. B., Hoffman, and Perdue, assignors.)
Rambacher, Adam, Munich, Germany. Railroad permanent way construction. 1,813,952; July 14.
Ramclau, Axel. (See Bihl, W. E., and Ramclau.)
Ramclaw, Axel. (See Bihl, W. E., and Ramclaw.)
Ramelli, Charles D., Reno, Nev. Vehicle brake operating device. 1,820,158; Aug. 25.
Ramen, Norman, East Aurora, N. Y. Direction indicator. 1,799,121; Mar. 31.
Ramey, Chaker, Memphis, Tenn. Heel protector. 1,830,912; Nov. 10.
Ramm, Felix, Pittsfield, Me. Adjustable shuttle check. 1,794,320; Feb. 24.
Ramos, Juan, Olangapo, P. I. Fountain drawing pen. 1,810,788; June 16.
Ramos, Nemesio M., San Francisco, Calif. Game board. Des. 83,570; Mar. 3.
Ramsay, Erskine, Birmingham, Ala. Drive for rotary dumps. 1,787,762; Jan. 6.
Ramsay, George C., Kingswood, Australia. Tire rim. 1,817,764; Aug. 4.
Ramsay, Samuel R., Santa Cruz, Calif. Door seal. 1,797,839; Mar. 24.
Ramsbottom, Edwin. (See Willshaw, H., Gorham, and Ramsbottom.)
Ramsburg, Charles J., assignor to The Koppers Company, Pittsburgh, Pa. Gas treating process and apparatus. 1,835,182; Dec. 8.
Ramsdell, Clarence E., Wichita Falls, Tex., assignor to The Allway Manufacturing Co. Garment stretcher. 1,791,601; Feb. 10.
Ramsden, John T., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Automatic lock for jarring rollover molding machines. 1,813,509; July 7.
Ramsden, Louis A., Manchester, England. Electrical illuminating apparatus. 1,809,181; June 9.
Ramseier, Albert, assignor to A. Quendoz, Zurich, Switzerland. Thread knotting device. 1,828,817; Oct. 27.
Ramsey Accessories Manufacturing Corporation. (See Green, Benjamin F., assignor.)
Ramsey Accessories Mfg. Corporation. (See Marien, Charles A., assignor.)
Ramsey Accessories Manufacturing Corporation. (See Ramsey, John A., assignor.)
Ramsey Accessories Manufacturing Corporation. (See Spencer, Elmer A., assignor.)
Ramsey Chain Co. (See Opie, Ernest J., assignor.)
Ramsey, Clifford H., Glen Rock, N. J. Speed-changing assembly. 1,794,496; Mar. 3.
Ramsey, Clifford H., Glen Rock, N. J. Lubricating system. 1,794,921; Mar. 3.
Ramsey, Ernest G., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Incandescent lamp. 1,800,903; Apr. 14.
Ramsey, George. (See Acheson, A. M., and Ramsey.)
Ramsey, George. (See Gruppe, Paulo, assignor.)
Ramsey, George, Brooklyn, N. Y., assignor to The Faultless Manufacturing Company, Baltimore, Md. Elastic band for wearing apparel. 1,802,352; Apr. 28.
Ramsey, George M., Amarillo, Tex. Grip testing machine. 1,813,816; July 7.
Ramsey, John A., Clayton, assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston ring construction. 1,802,573; Apr. 28.
Ramsey, John A., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston ring construction. 1,802,619; Apr. 28.
Ramsey, John C., assignor to Ramsey Package Corporation, Suffolk, Va. Barrel forming machine. 1,808,680; June 2.
Ramsey, Joseph H., Albany, N. Y. Highway guard rail. 1,828,071; Oct. 20.

Ramsey, Joseph H., Albany, N. Y., and C. A. Short, Medford, Mass.; said Short assignor to said Ramsey. Highway guard rail. 1,824,368; Sept. 22.
Ramsey, Joseph M., Lakewood, Ohio. Combined support and shutter actuating means for cameras. 1,805,185; May 12.
Ramsey Package Corporation. (See Ramsey, John C., assignor.)
Ramsey, Raymond M., et al. (See Wilson, Earl L., assignor.)
Ramsey, William B., Atlanta, Ga. Insect trap. 1,788,325; Jan. 6.
Ramsperger, Albert B., Richmond Hill, N. Y. Stand. 1,805,674; May 19.
Ramstad, Jorgen, Stillwater, Minn., assignor to State of Minnesota. Cultivator attachment. 1,824,170; Sept. 22.
Ramstad, Oscar, J., Donalda, Alberta, Canada. Oarlock. 1,799,440; Apr. 7.
Rancorn, John A., Camden, N. J., and J. P. Barnes, Springfield, Pa., assignors to RCA-Victor Company, Inc. Phonograph pickup unit. Des. 84,052; Apr. 28.
Rancorn, John A., Camden, N. J., and E. Worthington, Chicago, Ill., assignors to R C A Victor Company. Radiocabinet. Des. 84,369; June 9.
Rancorn, John A., Camden, N. J., and E. Worthington, Chicago, Ill., assignors to R C A Victor Company. Radiocabinet. Des. 84,370; June 9.
Rand, Benjamin G. (See Ohnstran, E., and Rand.)
Rand, Benjamin G., North Tonawanda, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y. Follower for vertical files. 1,820,888; Aug. 25.
Rand, George M., Barre, Vt. Method of and apparatus for cutting forms from stone slabs. 1,825,420; Sept. 29.
Rand, James H., North Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index device. 1,830,886; Nov. 10.
Rand, James H., jr., Tonawanda, assignor, by mesne assignments, to Remington Rand, Inc., New York, N. Y. Credit system. 1,813,257; July 7.
Rand, James H., jr., Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index device. 1,819,621; Aug. 18.
Rand, James H., jr., Buffalo, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Card index or record device. 1,827,999; Oct. 20.
Rand, William M., Vancouver, British Columbia, Canada. Traffic sign. 1,833,124; Nov. 24.
Randall, Arthur F., Boston, Mass. Copy-holding attachment for desks and the like. 1,798,809; Mar. 31.
Randall Company, The. (See Randall, Howard D., assignor.)
Randall, Howard D., assignor to The Randall Company, Cincinnati, Ohio. Hood pad. 1,813,678; July 7.
Randall, Howard D., assignor to The Randall Company, Cincinnati, Ohio. Making upholstery. 1,837,793; Dec. 22.
Randall, James F., Ozark, Mo. Propeller. 1,826,021; Oct. 6.
Randall, James W. H., New York, N. Y., assignor to Libbey-Owens-Ford, Toledo, Ohio. Producing laminated glass. 1,805,259; May 12.
Randall, James W. H., New York, N. Y., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass. 1,818,159; Aug. 11.
Randall, Karl C., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Current distributing apparatus. 1,818,160; Aug. 11.
Randall, Karl C., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,820,709; Aug. 25.
Randall, Lucius Y., Gaffney, S. C. Universal connection. 1,829,964; Nov. 3.
Randall, Max. (See Dorgan, Jeremiah, F., assignor.)
Randall, Meredith S. (See Woodall, H. J., and Randall.)
Randall, Merwyn C., Philadelphia, Pa. Underground conduit for steam mains. 1,834,549; Dec. 1.
Randall, Rex R., Gibbon, Nebr. Barrel filling device. 1,829,296; Oct. 27.
Randall, Richard W., and J. C. Koch, Stockton, Calif. Rotary tube and pipe cleaner. 1,811,063; June 23.
Randall, Samuel. (See Froeschauer, D., and Randall.)
Randall, Walter F. (See Smith, W. S., Garnett, and Randall.)
Randel, Bo F., San Diego, Calif., assignor to Electrolux Servel Corporation, New York, N. Y. Refrigerating means and method. 1,806,498; May 19.
Randles, Oren R., Spokane, Wash. Outlet box and plug. 1,818,352; Aug. 11.
Randol, Glenn T., Marmaduke, Ark., assignor of one-half to P. E. Randol, South Bend, Ind. Speed-changing mechanism. 1,793,010; Feb. 17.
Randol, Paul E. (See Randol, Glenn T., assignor.)
Randolph, Alan F., Verona, N. J., assignor, by mesne assignments, to The Celastic Corporation, Wilmington, Del. Noninflammable fabric and process of making the same. 1,820,198; Aug. 25.
Randolph, Iva M. (See Randolph, William J., assignor.)
Randolph, James J., Tulsa, Okla. Attachment for well-drilling devices. 1,798,108; Mar. 24.
Randolph, William J., assignor to I. M. Randolph, Buffalo, N. Y. Battery cell puller. 1,837,792; Dec. 22.
Raney, Clemma R., Riverside, and A. E. W. Johnson, Chicago, Ill., assignors to International Harvester Company. Material feeding mechanism. 1 811,064; June 23.
Raney, Clemma R., Riverside, and M. J. Mitchell, Chicago, Ill., assignors to International Harvester Company, Pick-up attachment for harvester thrashers. 1,815,327;
Raney, Clemma R., Riverside, and A. E. W. Johnson, Chicago, Ill., assignors to International Harvester Company. Driving means. 1,832,051; Nov. 17.
July 21.
Raney, Clemma R., Riverside, and A. E. W. Johnson, assignors to International Harvester Company, Chicago, Ill. Harvester thrasher. 1,838,451; Dec. 29.
Raney, Edwin M., St. Louis, Mo. Surgical instrument. 1,798,902; Mar. 31.
Raney, Estell C., Columbus, Ohio. Automatic circuit-breaker mechanism. 1,790.485; Jan. 27.
Raney, Estel C., Columbus Ohio. Thermic control device. 1,823,511; Sept. 15.
Raney, Estel C., Columbus, Ohio. Automatically operated circuit breaker. 1,825,015; Sept. 29.
Raney, Estel C., Columbus, Ohio. Thermostatic switch. 1,829,944; Nov. 3.
Ranger, Arthur W., London, England. Platen printing press. 1,806,865; May 26.
Ranger, Richard H. (See Alexanderson, E. F. W., and Ranger.)
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Light chopping disk. 1,789,686; Jan. 20.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Analyzing system for multiplex facsimile transmission. 1,789,687; Jan. 20.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Duplex photo-modulator. 1,790,722; Feb. 3.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Facsimile system. 1,790,723; Feb. 3.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Secret transmission system. 1,794,389; Mar. 3.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Facsimile system. 1,800,357; Apr. 14.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Facsimile transmission. 1,800,472; Apr. 14.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Air driven tuning fork. 1,802,478; Apr. 28.
Ranger, Richard H., Newark, N. J., assignor to Radio Corportation of America. Radio transmitting device. 1,802,736; Apr. 28.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Facsimile system. 1,803,133; Apr. 28.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Quartz tuning fork drive. 1,807,010; May 26.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Analyzing system for multiplex facsimile transmission. 1,807,011; May 26.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Multiplex reproducing. 1,807,012; May 26.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Light control system. 1,811,895; June 30.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Photoradioscope. 1,819,197; Aug. 18.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Analyzing system for picture transmission. 1,828,000; Oct. 20.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Synchronization of facsimile telegraph apparatus. 1,829,420; Oct. 27.
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Wobbled frequency superheterodyne system. 1,830,242; Nov. 3.
Ranger, Richard H., Brooklyn, N. Y., assignors to Radio Corporation of America. Wave antenna. 1,816,614; July 28.
Ranger, Richard H., Newark, N. J., and S. B. Smith, Brooklyn, N. Y., assignors to Radio Corporation of America. Colored facsimile system. 1,817,098; Aug. 4.
Ranger, Richard H., Newark, N. J., and F. G. Morehouse, Greenwich, Conn., assignor to Radio Corporation of America. Picture recording. 1,819,264; Aug. 18.
Ranger, Richard H., Newark, N. J., and C. E. Nelson, Brooklyn, N. Y., assignors to Radio Corporation of America. Air driven tuning fork. 1,831,638; Nov. 10.
Ranglack, Franz. (See Lehmann, K. A., and Ranglack.)
Rankin, Abraham, New York, N. Y. Cuff for shirts and the like. 1,787,702; Jan. 6.
Rankin, Carl H., Wellsburg, W. Va., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass feeder. 1,828,442; Oct. 20.
Rankin, Carl H., Wellsburg, W. Va., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Apparatus for feeding molten glass. 1,828,443; Oct. 20.
Rankin, Harold E., Kelso, Wash. Photo sign printer. 1,798,109; Mar. 24.
Rankin, John A., Los Angeles, Calif. Machine for slicing fresh meat. 1,811,186; June 23.

Rankin, Joseph A., Samoa, Calif., assignor to Moore Dry Kiln Company of Oregon. Dry kiln. 1,815,798; July 21.
Rankin, Julian, Louisa, Ky. Tag. 1,795,233; Mar. 3.
Rankin, William A., Toledo, Ohio, assignor to Robeson-Rochester Corporation, Rochester, N. Y. Thermostatic switch. 1,791,225; Feb. 3.
Rankin, William K. (See Upp, J. W., and Rankin.)
Rankin, William K., Lansdowne, Pa., assignor to General Electric Company. Switch-contact structure. 1,796,217; Mar. 10.
Rankin, William K., Lansdowne, Pa., assignor to General Electric Company. Hydraulic operating mechanism. 1,836,813; Dec. 15.
Rankin, William K., Scotia, N. Y., assignor to General Electric Company. Switch operating and controlling mechanism. 1,810,624; June 16.
Rankl, Adele, et al., heiresses. (See Jahoda, R., and Lilienfeld, assignors.)
Ranney, Frederick B., assignor to Ranney Refrigerator Company, Greenville, Mich. Ice rack for refrigerators. 1,812,803; June 30.
Ranney, Leo, New York, N. Y., assignor to Standard Oil Development Company. Method of and apparatus for recovering oil. 1,811,560; June 23.
Ranney, Leo, New York, N. Y., assignor to Standard Oil Development Company. Method and means for working oil sands. 1,811,561; June 23.
Ranney, Leo. Greenwich, Conn., assignor to Standard Development Company. Recovery of oil from the earth by mining operations. 1,812,305; June 30.
Ranney, Leo, New York, N. Y., and C. O. Fairbank, Petrolia, Ontario, Canada, assignor of one-half to Standard Oil Development Company. Facilitating flow from wells. 1,806,499; May 19.
Ranney Refrigerator Company. (See Ranney, Frederick B., assignor.)
Ranney, Willet B., Chicago, and A. E. Johnson, Oak Park, assignors to Wm. Wrigley Jr. Company, Chicago, Ill. Printed-wrapper-controlling device for wrapping machines. 1,791,144; Feb. 3.
Ranney, William E. (See Miller, William J., assignor.)
Ransohoff, Nathan, Cincinnati, Ohio. Tumbling mill. 1,826,822; Oct. 13.
Ransom, George F., San Angelo, assignor to Humble Oil & Refining Company, Houston, Tex. Recovery of potassium sulphate from polyhalite. 1,812,497; June 30.
Ransome Concrete Machinery Company. (See Aspden, Frank, assignor.)
Ransome Concrete Machinery Company. (See Bushnell, James E., assignor.)
Ransome Concrete Machinery Company. (See Bushnell, J. E., and Lukachovic, assignors.)
Ransome Concrete Machinery Company. (See Faber, John P., assignor.)
Ransome Concrete Machinery Company. (See Robinson. Arthur P., assignor.)
Rantine, Daniel W., Brooklyn, N. Y. Sound repeater for sound reproducing machines. 1,808,789; June 9.
Rantz, Frank A., St. Petersburg, Fla. Garage door. 1,804,231; May 5.
Ranz, Jacob, St. Louis, Mo. Heat distributor and toaster. 1,829,368; Oct. 27.
Rapelje, John A., Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Drive ring. 1,818,099; Aug. 11.
Rapellin, René, Los Angeles, Calif. Grease gun. 1,810,426; June 16.
Rapellin, René, San Gabriel, Calif. Grease gun. 1,821,404; Sept. 1.
Raphael, Julian J. (See Davis, P. L., and Raphael.)
Raphael, Louis. (See Abrams, I., and Sager, assignors.)
Raphael, Louis F., St. Louis, Mo. Mechanical pony. 1,795,678; Mar. 10.
Rapid Pavement Breaker Corporation. (See Cornett, Walter V., assignor.)
Rapoport, Solomon, Brooklyn, N. Y. Variable feed for stokers. 1,821,666; Sept. 1.
Raposy, Anna, Bridgeport, Conn. Shoe protector. 1,832,736; Nov. 17.
Rapp, August, Iserlohn (Westfalen), Germany. Holder with pulley for drawing curtains. 1,824,371; Sept. 22.
Rapp, August, Iserlohn, Germany. Device for drawing curtains and the like. 1,829,297; Oct. 27.
Rapp, Emmanuel D., Moran, Kans. Candy cooler. 1,814,740; July 14.
Rappich, George F., Marengo, Ill. Camping trailer. 1,826,480; Oct. 6.
Raptis, Gust A., Calexico, Calif. Cultivator. 1,791,602; Feb. 10.
Rarig, Walter A., Oakland, Calif. Power device. 1,791,842; Feb. 10.
Rasch, Henry N., Silver Creek, Nebr. Display container. 1,789,773; Jan. 20.
Rasch, Royal H. (See Richter, G. A., Schur, and Rasch.)
Rasch, William T., assignor to American Gas Products Corporation, New York, N. Y. Gas radiator. 1,789,597; Jan. 20.
Raschella, Vincent, Weehawken, N. J., assignor to American Shoe-Polishing Machine Corp. Shoe cleaning and polishing machine. 1,822,419; Sept. 8.
Raschig, Dr. F. (See Raschig, Friedrich, assignor.)
Raschig, Friedrich, assignor to the Firm Dr. F. Raschig, Ludwigshafen-on-the-Rhine, Germany. Manufacture of disinfectants. 1,816,297; July 28.
Rash, Frank J., assignor of one-half to E. W. Barth, Chicago, Ill. Water vehicle. 1,832,241; Nov. 17.
Rasmussen, Albert E., Yakima, assignor of one-half to A. B. Fosseen, Spokane, Wash. Pipe jointer. 1,787,492; Jan. 6.
Rasmussen, Anders, New Albany, Ind. Steering-wheel post. 1,791,001; Feb. 3.
Rasmussen, Charles, assignor of one-half to R. T. Ingalls, Racine, Wis. Nipple holding chuck. 1,802,574; Apr. 28.
Rasmussen, Chester A., et al. (See Dean, C. L., Lockwood, and Richie, assignors.)
Rasmussen, Chester A., assignor of one-half to C. R. Butler, Long Beach, Calif. Internal-casing wrench. 1,795,575; Mar. 10.
Rasmussen, Chester A., assignor of one-third to C. R. Butler, Long Beach, and one-third to W. A. Trout, Los Angeles, Calif. Blow-out preventer. 1,796,303; Mar. 17.
Rasmussen, Chester A., Long Beach, assignor of one-half to W. A. Trout, Los Angeles, Calif. Automatic gas control and oil saver. 1,836,508; Dec. 15.
Rasmussen, Chester A., C. R. Butler, Long Beach, and W. A. Trout, Los Angeles, Calif. Casing support. 1,807,046; May 26.
Rasmussen, Chester A., Long Beach, and W. A. Trout, Los Angeles, Calif. Blow-out preventer. 1,836,506; Dec. 15.
Rasmussen, Chester A., Long Beach, and W. A. Trout, Los Angeles, Calif. Device for sealing flowing wells and stopping the engines. 1,836,507; Dec. 15.
Rasmussen, Christian A., Cleveland, assignor to The Euclid Electric & Manufacturing Company, Euclid, Ohio. Electrical controller. 1,813,544; July 7.
Rasmussen, Edward L., Seattle, Wash. Weeding device. 1,795,441; Mar. 10.
Rasmussen, Eigil, Vancouver, British Columbia, Canada. Combined phonograph, radio, and picture projector. 1,801,208; Apr. 14.
Rasmussen, Floyd H., Waterbury, Conn. Holding lug for railway telltale rods. 1,799,805; Apr. 7.
Rasmussen, Frank H., assignor to Magill-Weinsheimer Company, Chicago, Ill. Display device. 1,803,727; May 5.
Rasmussen, Holger M., Faaborg, Denmark. Illumination. 1,811,333; June 23.
Rasmussen, Roswell C., Elgin, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. High-frequency electrical apparatus. 1,793,248; Feb. 17.
Rasmussen, Sophus, Albert Lea, Minn. Carbureting apparatus for lighters. 1,832,503; Nov. 17.
Rasmussen, Sophus, and K. S. Jenson, assignors to American Gas Machine Company, Albert Lea, Minn. Fluid nozzle. 1,835,333; Dec. 8.
Rasmussen, Sverre, New York, N. Y. Horn or amplifier. 1,816,546; July 28.
Rasmusson, Arthur W., Lead, S. Dak. Combination stand for smokers. Des. 85,596; Nov. 17.
Rasp, John, McKeesport, Pa. Combined curtain and shade holder. 1,790,389; Jan. 27.
Rassi, Habib, Brooklyn, assignor to Zenobia Company, Inc., New York, N. Y. Coating nuts. 1,832,737; Nov. 17.
Rassier, Frank, Minneapolis, Minn. Razor blade holder. 1,823,001; Sept. 15.
Rassow, Horst, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Double contact relay. 1,832,657; Nov. 17.
Rast, Jules, F. Kummer, and F. Pauli, Luzern, assignors to Landis & Gyr, A.-G., Zug, Switzerland. Strip-dispensing mechanism. 1,789,688; Jan. 20.
Rastelli, Stephenson. (See Macaulay, T. W., and Rastelli.)
Raster, Walther, Chicago, Ill. Knockdown sectional rack. 1,809,602; June 9.
Raster, Walther, assignor to Justrite Manufacturing Company, Chicago, Ill. Safety receptacle for inflammable liquids. 1,819,037; Aug. 18.
Rastetter, Harry O., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Clamp collar. 1,812,117; June 30.
Rataiczak, Thomas F., assignor to The Hobart Manufacturing Company, Troy, Ohio. Apparatus for treating foodstuffs. 1,820,677; Aug. 25.
Ratajack, Anna C., Chicago, Ill. Necktie retainer. 1,798,432; Mar. 31.
Ratchelous, Thomas. (See Carlson, Philip, assignor.)
Rate Service Bureau. (See Martin, Harold H., assignor.)
Rateou, Henri, and J. A. Beck, Weirton, W. Va. Front wall for open hearth furnaces. 1,819,001; Aug. 18.
Rath, Curt. (See Binz, A., and Rath.)
Räth, Curt, Rangsdorf, Germany. Preparation of substitution products of pyridin. 1,793,962; Feb. 24.
Rath, Karl. (See Bock, W., and Rath.)
Rathbun, George J., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., and The Rathbun-Jones Engineering Company, Toledo, Ohio. Safety overspeed governor. 1,788,032; Jan. 6.
Rathbun, George J., Easton, Pa., assignor to The Rathbun-Jones Engineering Company, Toledo, Ohio. Piston and rod connection. 1,789,840; Jan. 20.
Rathbun, George J., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., and The Rathbun-Jones Engineering Company, Toledo, Ohio. Pipe coupling. 1,799,762; Apr. 7.

Rathbun, John P., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company, Moores, Pa. Heat exchanger. 1,799,391; Apr. 7.
Rathbun-Jones Engineering Company, The. (See Rathbun, George J., assignor.)
Rathbun, Louis C., Oelwein, Iowa. Adjustable fountain attachment for faucets. 1,835,428; Dec. 8.
Rathbun, Merrill, assignor to Norton Laboratories, Inc., Lockport, N. Y. Binding post. 1,801,937; Apr. 21.
Rathbun, Merrill L., Lockport, N. Y. Box or case. 1,833,305; Nov. 24.
Rathburn, Emory L. (See Fairchild, A. M., and Rathburn.)
Rathe, Isidore H., New York, N. Y. Awning. 1,836,727; Dec. 15.
Rathgeb, Joseph J., jr., New York, N. Y. Boiler. 1,806,178; May 19.
Rathmann, Paul, assignor to Firm Elektrotechnische Fabrik Schmidt & Co., Gesellschaft m. b. H., Bodenbach, Czechoslovakia. Electric reflector lamp. 1,823,762. Sept. 15.
Rathmann, Paul, assignor to Firm Elektrotechnische Fabrik Schmidt & Co., Gesellschaft M. b. H., Bodenbach A. E., Czechoslovakia. Electric reflector lamp. 1,823,763; Sept. 15.
Ratigan, James P., Los Angeles, Calif. Horse head. 1,798,557; Mar. 31.
Ratigan, James P., Los Angeles, Calif. Trunnion connection. 1,818,161; Aug. 11.
Ratley, Harold M. (See Ross, F. N., and Ratley.)
Ratliff, Sturgill F., Mobile, Ala. Combination green marker and advertising device. 1,827,826; Oct. 20.
Ratner, Abraham, New York, N. Y. Air heater. 1,797,927; Mar. 24.
Ratner, Elias, assignor, by mesne assignments, to Leviton Manufacturing Company, Inc., Brooklyn, N. Y. Rotary switch. 1,835,614; Dec. 8.
Ratschkowsky, Oscar, American Falls, Idaho. Steam generator. 1,829,839; Nov. 3.
Rattazzi, John, Brooklyn, N. Y. Clamp and shoe last vise. 1,820,492; Aug. 25.
Rattazzi, John, Brooklyn, N. Y. Clamp and shoe last vise. 1,837,728; Dec. 22.
Rattigan, Edwin D., assignor to Py-Lubro Company, Inc., Philadelphia, Pa. Fibrous packing. 1,838,189; Dec. 29.
Ratz, John W., Preston, Ontario, Canada. Domestic heater. 1,796,047; Mar. 10.
Ratz, Joseph. (See Vance, W. N., and Ratz.)
Ratzer, William, Oak Park, assignor to Belden Manufacturing Company, Chicago, Ill. Molding press. 1,801,613; Apr. 21.
Rau, Henry, jr., New York, N. Y., assignor to Westinghouse Lamp Company. Cut-out for incandescent lamps. 1,803,486; May 5.
Rau, Henry F., Tacoma, Wash. Poultry-water heater. 1,787,703; Jan. 6.
Rau, John F., Chicago, Ill. Skiving apparatus. 1,832,424; Nov. 17.
Rau, Kurt. (See Gruss, H., and Rau.)
Raube, William C., Schenectady, N. Y., assignor to General Electric Company. Control system for electric motors. 1,827,671; Oct. 13.
Rauch, John D., Lima, Ohio. Dipper tooth. 1,799,929; Apr. 7.
Rauch, John D., Lima, Ohio. Airplane. 1,827,438; Oct. 13.
Rauch, John D., assignor to The Ohio Power Shovel Company, Lima, Ohio. Power dipper trip. 1,796,958; Mar. 17
Rauch, John D., and W. L. Reid, assignors to The Ohio Power Shovel Company, Lima, Ohio. Dipper handle. 1,813,864; July 7.
Rauch, Philip. (See Lehmann, Julius C., assignor.)
Rauen, Carl F., Dayton, Ohio. Power transmission. 1,799,987; Apr. 7.
Rauen, John T., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,825,703; Oct. 6.
Rauh, Hermann A., Chemnitz, assignor to Firm Wanderer-Werke, vorm. Winklhofer & Jaenicke A. G., Schaenau, near Chemnitz, Germany. Feeding device for storage counting mechanisms in calculating machines. 1,836,335; Dec. 15.
Raule, Clifford T., Brookline, Pa. Control for internal grinders. 1,799,763; Apr. 7.
Raule, Clifford T., Brookline, Pa. External center grinder. 1,820,029; Aug. 25.
Raus, John, Cleveland, Ohio, assignor, by mesne assignments, to McIlvaine Patent Corporation, St. Charles, Ill. Resistance apparatus. 1,826,673; Oct. 6.
Rausch, Clarence C., Evansville, Ind. Train-order deliverer. 1,795,679; Mar. 10.
Rausch, Clarence C., Evansville, Ind. Train order ring. 1,838,283; Dec. 29.
Rausch, Gottfried, Ammendorf, near Halle-on-the-Saale, Germany. Dough-dividing and working machine. 1,805,705; May 19.
Rausch, Gottfried, Ammendorf, near Halle-on-the-Saale, Germany. Loaf-forming machine. 1,805,706; May 19.
Rausch, Gottfried, Ammendorf, near Halle-on-the-Saale, Germany. Loaf forming machine. 1,824,408; Sept. 22.
Rauwald, Ferdinand, Essen, Germany. Sheet metal plank. 1,837,794; Dec. 22.
Rauwald, Joseph, Denver, Colo. Wall safe. 1,836,814; Dec. 15.
Rava, Alexander, Chicago, Ill. Luminous sign. 1,787,595; Jan. 6.
Raven, Albert L., Mount Vernon, N. Y. Motion-picture screen. 1,795,442; Mar. 10.
Raven, Albert L., Mount Vernon, N. Y. Motion picture screen. 1,828,749; Oct. 27.
Ravencroft, Ralph J., Rochester, Ind. Automobile road lighting. 1,802,958; Apr. 28.
Ravens, John H., Latah, Wash. Straw spreader. 1,794,922; Mar. 3.
Ravenschlag, Alfred G., Chicago, and F. P. Tikalsky, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Ejecting mechanism. 1,833,659; Nov. 24.
Ravert, William I., assignor to A. W. Drake Manufacturing Company, Hazleton, Pa. Toy fence. 1,792,708; Feb. 17.
Ravizza, Louis. (See Samaras, S., and Ravizza.)
Raw, Charles, Toledo, Ohio. Window equipment. 1,794,643; Mar. 3.
Raw, George, Washington, England. Process and apparatus for the separation of solid materials of different specific gravities. 1,811,026; June 23.
Rawleigh, W. T., Company, The. (See Trevillian, William J., assignor.)
Rawling, Francis G., Chillicothe, assignor to The Mead Pulp and Paper Company, Dayton, Ohio. Control mechanism. 1,821,237; Sept. 1.
Rawlings, John J., assignor of one-half to The Rawlplug Company Limited, London, England. Metallic wall plug. 1,802,270; Apr. 21.
Rawlings Manufacturing Company. (See Bischoff, Walter E., assignor.)
Rawlings Manufacturing Company. (See Whitley, William P., assignor.)
Rawlings, William E., near San Jose, Calif. Ant trap. 1,791,145; Feb. 3.
Rawlings, William E., Santa Clara County, Calif. Float. 1,828,983; Oct. 27.
Rawlins, John G. (See Patton, O. C., and Rawlins.)
Rawlplug Company, The. (See Rawlings, John J., assignor.)
Rawson, Grant I., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Soot blower. 1,807,255; May 26.
Rawson, Grant I., Royal Oak, and B. H. Jackson, Center Line, Mich. Vehicle and trailer brake. 1,824,296; Sept. 22.
Rawson, Leslie A., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Interchangeable post construction for derricks. 1,789,598; Jan. 20.
Rawson, Leslie A., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Detachable ladder and cage construction. 1,820,289; Aug. 25.
Rawson, Leslie A., assignor to Emsco-Derrick & Equipment Company, Los Angeles, Calif. Interchangeable post construction for derricks. 1,834,421; Dec. 1.
Rawson, Leslie A., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Jack clip. 1,838,788; Dec. 29.
Rawson, Louis W., assignor to Worcester Polytechnic Institute, Worcester, Mass. Accelerating clutch. 1,813,638; July 7.
Rawyler, Jean, Paris, France, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,819,038; Aug. 18.
Ray, Arthur B., Bayside, N. Y. Solidified fuel and making the same. 1,816,125; July 28.
Ray, Arthur B., Bayside, N. Y., assignor to National Carbon Company, Inc. Apparatus for the removal of odors from air. 1,820,030; Aug. 25.
Ray, Arthur J., Cuba, C. E. Lomax, Oak Park, and L. L. Ruggles, Wheaton, Ill., assignors to Reserve Holding Company, Kansas City, Mo. Connecter switch. 1,799,532; Apr. 7.
Ray, Arthur J. and C. E. Lomax, assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Street traffic regulating system. 1,825,284; Sept. 29.
Ray Burner Company. (See Ray, William R., assignor.)
Ray, Charles T., Louisville, Ky. Tillage implement. 1,804,513; May 12.
Ray, Daisy, Portland, Oreg. Buckle. 1,832,738; Nov. 17.
Ray, Edward M. (See Klaus, F. R., and Ray.)
Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,792,447; Feb. 10.
Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutter holder. 1,797,296; Mar. 24.
Ray, Eugene J., Beverly, Mass., assignor, by mesne assignments, to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 1,820,829; Aug. 25.
Ray, Eugene J., Beverly, Mass., assignor, by mesne assignments, to The Singer Manufacturing Company, Elizabeth, N. J. Attachment for sewing machines. 1,820,830; Aug. 25.
Ray, Frank L. (See Richardson, Warren S., assignor.)
Ray, George I., Charlotte, N. C. Shock absorber for fluid pressure lines. 1,836,682; Dec. 15.
Ray, George M., Newton Center, Mass., assignor to Bancroft-Walker Co. Making shoes. 1,794,245; Feb. 24.
Ray, Harry P., et al. (See Wagner, James S., assignor.)

Ray, James L., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control mechanism. 1,792,240; Feb. 10.
Ray, James L., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control mechanism. 1,792,241; Feb. 10.
Ray, James L., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fluid pressure relay mechanism. 1,807,173; May 26.
Ray, James L., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bearing housing seal. 1,810,370; June 16.
Ray, James L., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fluid pressure governor. 1,814,631; July 14.
Ray, James L., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Valve operating mechanism. 1,833,533; Nov. 24.
Ray, Jesse A. (See Ray, Josiah B. and J. A.)
Ray, Joseph R., assignor to J. E. Beavin and F. S. Bryars, El Paso, Tex. Garden tool. 1,797,101; Mar. 17.
Ray, Joshua A. (See Ray, Thomas and J. R.)
Ray, Joshua R. (See Ray, Thomas and J. R.)
Ray, Josiah B. and J. A., Decatur, Ind. Christmas tree stand. 1,810,853; June 16.
Ray, Robert L., Elizabethton, Tenn. Reel. 1,825,604; Sept. 29.
Ray, Thomas and J. R., Manistee, Mich. Separating apparatus. 1,817,207; Aug. 4.
Ray, Thomas and J. R., Manistee, Mich. Screen box. 1,821,190; Sept. 1.
Ray, Vanney A., San Francisco, Calif., assignor of one-third to D. P. Kelleher. Pressing apparatus. 1,810,984; June 23.
Ray, William A., San Francisco, Calif. Automatic oil-burner-control system. 1,793,011; Feb. 17.
Ray, William H. (See Fernekes, V. W., and Ray.)
Ray, William J. (See Nolan, C., and Ray.)
Ray, William R., assignor, by mesne assignments, to Ray Burner Company, San Francisco, Calif. Oil feeding and regulating device for oil burners. 1,791,012; Feb. 3.
Raybestos Company, The. (See Novak, Izador J., assignor.)
Raybestos-Manhattan, Inc. (See Kirschbraun, Lestor, assignor.)
Raybestos-Manhattan, Inc. (See Novak, Izador J., assignor.)
Raybestos-Manhattan, Inc. (See Stanley, Frederick C., assignor.)
Raybould, Frank J. (See Metcalf, G. R., jr., and Raybould.)
Raybould, Frank J., assignor to Erie Malleable Iron Company, Erie, Pa. Screw-retaining device. 1,788,408; Jan. 13.
Rayburn, Elwyn M., San Francisco, Calif. Variable speed power transmission. 1,807,013; May 26.
Rayburn, George B., Los Angeles, Calif. Bather's hair net. 1,792,033; Feb. 10.
Rayburn, George B., Los Angeles, Calif. Cap. 1,808,681; June 2.
Rayburn, George B., assignor of one-half to A. E. Mardon, Los Angeles, Calif. Bathing hair net. 1,792,032; Feb. 10.
Rayfield, Cecil F., Waldemar, Ontario, Canada. Fertilizer. 1,813,765; July 7.
Rayfield, Charles L., Chicago, Ill. Safety switch for oil burners. 1,790,246; Jan. 27.
Rayfield, Charles L., Chicago, Ill., assignor, by mesne assignments, to Marvel Carbureter Company, Flint, Mich. Carburetor. 1,789,564; Jan. 20.
Rayfield, Frederick J., assignor to Champion Pneumatic Machinery Company, Chicago, Ill. Fan structure. 1,812,060; June 30.
Rayman, Charles A., Chicago, Ill. Printer's proof press. 1,833,261; Nov. 24.
Raymer, Morris. (See Kellogg, J. L., Foster, Poole, and Raymer.)
Raymond, Arthur B., Montclair, N. J. Piston. 1,815,799; July 21.
Raymond, Carl S., Flint, Mich. Artificial bait. 1,805,416; May 12.
Raymond, Charles E., Boston, Mass. Fishing apparatus. 1,820,326; Aug. 25.
Raymond Concrete Pile Company. (See Schroeder, Frederick A., assignor.)
Raymond Concrete Pile Company. (See Taussig, John W., assignor.)
Raymond Concrete Pile Company. (See Upson, Maxwell M., assignor.)
Raymond Concrete Pile Company. (See Watt, Elihu D., assignor.)
Raymond, Edward F., Sante Fe Springs, Calif. Underreamer. 1,809,988; June 16.
Raymond, Edward F., assignor to J. Grant, Los Angeles, Calif. Expansible reamer. 1,788,633; Jan. 13.
Raymond, Edward F., Sante Fe Springs, assignor to J. W. MacClatchie, Compton, Calif. Underreamer. 1,810,030; June 16.
Raymond, Edward F., assignor to J. Grant, Los Angeles, Calif. Underreamer 1,828,750; Oct. 27.
Raymond, Fred I., River Forest, Ill. Soda fountain. 1,811,806; June 23.
Raymond, Fred I., River Forest, Ill. Soda fountain. 1,811,807; June 23.
Raymond, George G., assignor to Lyon Iron Works, Greene, N. Y. Platform. 1,790,019; Jan. 27.
Raymond, Gwynne, Kansas City, Mo. Clarifying apparatus. 1,793,510; Feb. 24.
Raymond, Gwynne, Kansas City, Mo. Spray extractor. 1,834,180; Dec. 1.
Raymond, Horace H., Kensington, Conn. Magnetic handling apparatus. 1,798,629; Mar. 31.
Raymond, Horace H., Berlin, assignor to The Stanley Works, New Britain, Conn. Shelf bracket. 1,799,441; Apr. 7.
Raymond, Horace H., Berlin, assignor to The Stanley Works, New Britain, Conn. Fastening device. 1,822,110; Sept. 8.
Raymond, Louis, New York, N. Y., assignor to Baker & Co. Inc. Ready-made cusp. 1,807,072; May 26.
Raymond, Paul C., Buffalo, N. Y. Machine tool for tapping nut-blanks. 1,806,707; May 26.
Raymond, Wendell H., Buffalo, N. Y. Handle and cover. 1,837,673; Dec. 22.
Raymond, William I., Portland, assignor to C. E. Grelle, Greenhills, Portland, Oreg. Mole or gopher trap. 1,830,675; Nov. 3.
Rayner, Charles H., Pittsburgh, Pa., assignor to American Hair & Felt Company, Chicago, Ill. Producing interlinings and filler therefor. Re18,001; Mar. 17.
Rayner, Edwin B., Piqua, Ohio. Railway track stringer connection. 1,816,697; July 28.
Raynes, Harry. (See Pleukharp, C. W., and Raynes.)
Raynes, Harry C., Portsmouth, N. H., assignor, by mesne assignments, to Bemis Industries, Incorporated, Boston, Mass. Reinforced wall board. 1,808,571; June 2.
Raynes, Harry C., Portsmouth, N. H., assignor, by mesne assignments, to Bemis Industries, Incorporated, Boston, Mass. Wall board. 1,811,212; June 23.
Raynor, John S., Philadelphia, Pa. Plaster-board-fastening means. 1,796,959; Mar. 17.
Ray-Signs Corporation. (See Reeves, Beauford H., assignor.)
Raytheon Inc. (See Smith, Charles G., assignor.)
Razor Blade Tile, Incorporated. (See Slack, Leon W., assignor.)
R C A Victor Company. (See Rancorn, J. A., and Worthington, assignors.)
Rea, Alfred, assignor of one-half to J. McGowan, San Diego, Calif. Power driven shears. 1,811,027; June 23.
Rea, James C., San Francisco, Calif. Circuit breaker operator. 1,835,083; Dec. 8.
Rea, John I., Aspinwall, assignor to Blaw-Knox Company, Pittsburgh, Pa. Road rail. 1,789,689; Jan. 20.
Rea, Wilton T., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Control arrangement for carrier apparatus. 1,809,945; June 16.
Reach, A. J., Company. (See Till, Edwin W., assignor.)
Reach, George A. (See Dieterle, Frank, assignor.)
Reach, Milton B., Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Golf club. 1,792,034; Feb. 10.
Reach, William F., Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Skate wheel. 1,798,700; Mar. 31.
Read, Balfour, Detroit, Mich., assignor to Eaton Spring Corporation. Spring shackle. 1,807,635; June 2.
Read, Balfour, Detroit, Mich., assignor to Eaton Spring Corporation, Massillon, Ohio. Spring construction. 1,823,168; Sept. 15.
Read, Carlyle D., Whiting, and R. L. Holcomb, Chesterton, assignors to Standard Oil Company, Whiting, Ind. Filtration of petroleum tars. 1,830,962; Nov. 10.
Read, Charles B., Ceylon, Saskatchewan, Canada. Elevator grain distributor. 1,831,196; Nov. 10.
Read, Ernest K., Forrest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Disconnecting switch. 1,825,820; Oct. 6.
Read, Fayette F., Holyoke, Mass. Method and apparatus for identifying crystals. 1,799,604; Apr. 7.
Read, Frank P., St. Petersburg, Fla. Rotary game device. Des. 85,765; Dec. 15.
Read, Frederick H., Oak Lawn, R. I. Coin counter and holder. 1,795,967; Mar. 10.
Read, Harry, assignor to Read Machinery Company, York, Pa. Mixing machine. 1,823,571; Sept. 15.
Read, Isaac L., and F. C. Choice, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Tree and treeing machine or appliance for boots and shoes. 1,797,020; Mar. 17.
Read, John B., Golden, and M. F. Coolbaugh, assignors to Complex Ores Recoveries Company, Denver, Colo. Roasting furnace. 1,833,590; Nov. 24.
Read, John C., Crewkerne, England, assignor to General Electric Company. Electrical apparatus. 1,794,246; Feb. 24.
Read, John C., Rugby, England, assignor to General Electric Company. Mercury arc rectifier. 1,802,185; Apr. 21.
Read Machinery Company. (See Read, Harry, assignor.)
Read, Ray M., Springfield, Mo. Pool-ball rack. 1,796,722; Mar. 17.
Read, Robert E., White Plains, N. Y., assignor to International Paper Company. Sharpening mechanism for
Read, William B. (See Edmiston, E. E., and Read.)
Read, William C., Scarsdale, N. Y., assignor to Electro Metallurgical Company. Smelting process for eliminating phosphorus. 1,833,125; Nov. 24.

Readeker, William C., New York, N. Y. Motion picture machine. 1,818,355; Aug. 11.
Reader, Allan W., Ferndale, Mich., assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,809,865; June 16.
Reader, Edward C., Cleveland, Ohio. Process of and apparatus for dispelling fog and mist. 1,793,719; Feb. 24.
grinding machines. 1,803,487; May 5.
Reading, Harold C., London, England. Frame and spring suspension of vehicles. 1,801,176; Apr. 14.
Ready, William A., Brookline, Mass. Spraying apparatus and controlling same. 1,789,945; Jan. 20.
Ready, William A., Brookline, Mass. Split D-handle. 1,804,950; May 12.
Ready, William A., Brookline, Mass. Forming D-handles. 1,812,373; June 30.
Ready, William A., Brookline, Mass. Dial apparatus. 1,813,766; July 7.
Ready, William A., Brookline, Mass. Shovel and the like. 1,826,022; Oct. 6.
Ready, William A., Brookline, Mass. Machine for making D-handles. 1,829,809; Nov. 3.
Readybuilt Products Company, The. (See Johnson, Jonas G., assignor.)
Reagan, Cyril F., Altoona, Pa. Shock absorber. 1,794,493; Mar. 3.
Reagan, Martin, Duncan, Okla. Gas burner. 1,820,493; Aug. 25.
Reagan, Maurice E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor starting system. 1,821,358; Sept. 1.
Reale, Joseph, Philadelphia, Pa. Washing machine. 1,802,218; Apr. 21.
Reals, Willis O., Utica, N. Y., assignor to General Fire Extinguisher Company, Providence, R. I. Valve control for automatic sprinkler systems. Re17,923; Jan. 6.
Reap, John R., et al. (See Marsh, Joseph A., assignor.)
Reardon, Edward F. (See Johnston, Harry, assignor.)
Reardon, Edward J., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,821,527; Sept. 1.
Reardon, Helen M., et al. (See Swearingen, Alfred R., assignor.)
Reardon, Vincent D., Boston, assignor to American Optical Company, Southbridge, Mass. Diagnostic instrument. 1,791,604; Feb. 10.
Reardon, William J. (See Collins, J. G., and Reardon.)
Reasor, George W., Los Angeles, Calif. Vending-machine cabinet. Des. 83,212; Feb. 3.
Reavis, Andrew B., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Engine cooling. 1,820,091; Aug. 25.
Rebentisch, Grover A., assignor to National Bureau of Location and Statistics, Portland, Oreg. Combination marking plate and reflecting light standard. Des. 84,711; July 21.
Reber, Amel, San Bernardino, Calif. Revolving waste pipe opening machine. 1,807,549; May 26.
Reber, James W., London, England. Cooling coke. 1,827,612; Oct. 13.
Rebhun, Daniel C. (See Howe, Oliver J., assignor.)
Rebl, Frank, Raven Rock, N. J. Stabilizing rudder. 1,795,346; Mar. 10.
Rebman, Elmer W., assignor to Contractors Ornamental Steel Co. Inc., Buffalo, N. Y. Metal joist. 1,839,178; Dec. 29.
Rebora, Stephen F. (See Wilt, R. L., and Rebora.)
Rebuck, John F., Winthrop, Mass. Loading device. 1,794,321; Feb. 24.
Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 83,277; Feb. 10.
Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 83,278; Feb. 10.
Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Providence, R. I. Shoe buckle. Des. 83,466; Feb. 24.
Recchia, Orlando R., Cranston, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 84,257; May 26.
Rechter, George, San Francisco, Calif. Horn blowing attachment for steering wheels. 1,819,572; Aug. 18.
Recker, Adolph C., Oakville, assignor to Chase Companies Incorporated. Waterbury, Conn. Automatic valve. 1,789,156; Jan. 13.
Recker, Adolph C., Oakville, assignor to Chase Companies, Inc., Waterbury, Conn. Metallic packing ring for slip-joint pipe connections. 1,799,246; Apr. 7.
Record Foundry & Machine Co. (See Riley, Frederic E., assignor.)
Recorder Printing and Publishing Co., The. (See Aker, Leonard, assignor.)
Rector, Anson E., Savannah, N. Y. Combination brake and accelerator. 1,815,270; July 21.
Rector, Enoch, New York, N. Y., assignor to rector Gasifier Company, Waukesha, Wis. Oil-gas generator. 1,799,247; Apr. 7.
Rector, Enoch, New York, N. Y., assignor to Waukesha Motor Company, Waukesha, Wis. Internal combustion engine. 1,817,208; Aug. 4.
Rector, Enoch, New York, N. Y., assignor to Waukesha Motor Company, Waukesha, Wis. Internal combustion engine. 1,824,297; Sept. 22.
Rector, Enoch, New York, N. Y., assignor to Waukesha Motor Company, Waukesha, Wis. Internal combustion engine. 1,827,108; Oct. 13.
Rector, Enoch, New York, N. Y., assignor to Waukesha Motor Company, Waukesha, Wis. Natural gas carburetor. 1,830,336; Nov. 3.
Rector Gasifier Company. (See Rector, Enoch, assignor.)
Rector, Laurence L., Fort Worth, Tex. Casing and tubing head suspension. 1,834,968; Dec. 8.
Rector, Louis J. L., Amissville, Va. Insect trap. 1,807,550; May 26.
Rector, Orland B., Eaton, Colo. Potato planting process and potato planter. 1,824,233; Sept. 22.
Rector, Thomas M., Rutherford, N. J., assignor to Franklin Baker Company, New York, N. Y. Packing nuts. 1,789,946; Jan. 20.
Redcay, Paul D., Philadelphia, Pa., assignor to Gotham Silk Hosiery Company, Inc., New York, N. Y. End trimming mechanism for cup feed overseaming machines. 1,818,753; Aug. 11.
Reddelien, Gustav, and W. Müller, Leipzig, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Photographic developer and developing photographic materials. 1,799,568; Apr. 7.
Redderson, Ernest W. (See Page, C. B., and Redderson.)
Reddig, Charles E., Kew Garden, assignor to Graybar Electric Company, New York, N. Y. Floor treating machine. 1,827,402; Oct. 13.
Reddig, Charles E., Kew Gardens, assignor to Graybar Electric Company, New York, N. Y. Ironing machine. 1,837,584; Dec. 22.
Redding, Edward T., Parkersburg, W. Va., assignor to Penn Metal Company, Cambridge, Mass. Expanded metal lath machine. 1,826,286; Oct. 6.
Redding, Harry B., assignor to The Valve Equipment Company, Columbus, Ohio. Valve for high pressure and high temperature purposes. 1,825,543; Sept. 29.
Redding, Harry B., Cleveland, assignor to The Valve Equipment Company, Columbus, Ohio. Gate valve structure. 1,825,544; Sept. 29.
Redfern, Charles H., St. Louis, Mo. Machine for the purpose of holding and releasing animals in various contests of speed. 1,813,817; July 7.
Redfield, Casper L. (See Wisner, A. C., and Redfield.)
Redfield, Casper L., Chicago, Ill. Hair clipper. 1,798,756; Mar. 31.
Redfield, Casper L., Chicago, Ill. Hair clipper. 1,834,737; Dec. 1.
Redfield, Charles A., San Diego, Calif. Closure fastening mechanism. 1,814,962; July 14.
Redfield, John H., Denver, Colo. Telescoping mounting for guns. 1,816,195; July 28.
Redfield, John H., Denver, Colo. Telescope sight mounting. 1,837,290; Dec. 22.
Redfield, Stephen M., Los Angeles, Calif. Poultry-feeding unit. 1,795,377; Mar. 10.
Redfield, Theodore H., Princeton, N. J. Pipe union. 1,812,553; June 30.
Redford, Algenon A., Hollywood, Calif. Dolly. 1,814,262; July 14.
Redford, H. B., et al. (See Groenig, A., and Hobbs, assignors.)
Redinbaugh, James O., assignor to D. D. Wertzberger, Tulsa, Okla. Supporting bracket. 1,837,585; Dec. 22.
Redington, F. B., Company. (See Milmoe, Michael J., assignor.)
Redington, John C., Geneva, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Valve bag and closing the same. 1,827,040; Oct. 13.
Redirected Light Corporation of America. (See Whalen, Edward J., assignor.)
Red Jacket Mfg. Co. (See Stebbins, Timothy J., assignor.)
Redler, Arnold, Flour Mills, Sharpness Docks, England. Conveyer. 1,817,647; Aug. 4.
Redles, Albert H., Philadelphia, Pa. Welt hook and rod. 1,818,867; Aug. 11.
Redlinger, Matthias, Freeport, Ill. Mop and brush holder. 1,807,434; May 26.
Redlinger, Matthias, Freeport, Ill. Connector for brushes, mops and the like. 1,838,867; Dec. 29.
Redman, Lawrence V., A. J. Weith, and F. P. Brock, Evanston, Ill., assignors to Bakelite Corporation, New York, N. Y. Phenolic condensation product and producing the same. 1,811,808; June 23.
Redmann, Robert G., Bristol, Conn. Ingot mold construction. 1,804,275; May 5.
Redmann, Robert G., Bristol, Conn. Cluster mold. 1,807,753; June 2.
Redmann, Robert G., assignor to The Sessions Foundry Company, Bristol, Conn. Manhole cover. 1,833,794; Nov. 24.
Redmond, Albert G., Indianapolis, Ind., assignor to Jacob R. Francis, Flint, Mich. Constant compression device for internal combustion engines. 1,812,983; July 7.
Redmond, Gerald, et al. (See Birtciel, Joseph S., assignor.)
Redrup, Charles B., Stockport, England. Engine or pump. 1,787,493; Jan. 6.
Redrup, Will D., Huntington, Ind., and J. C. Gustafson, Chicago, Ill., assignors to The Majestic Company, Huntington, Ind. Adjustable mail box. 1,819,790; Aug. 18.
Redshaw, Herbert. (See Stone, B., Redshaw, and Nunns.)

Redshaw, Herbert, Georgetown, Ontario, Canada, assignor to Smith & Stone Limited. Fuse block terminal structure. 1,821,987; Sept. 8.
Redwine, Jesse, San Francisco, Calif. Lamp. Des. 83,643; Mar. 10.
Reece Button Hole Machine Company, The. (See Carlson, Axel F., assignor.)
Reece Button Hole Machine Company, The. (See Kiewicz, John, assignor.)
Reece Folding Machine Company. (See Dixon, Walter L., assignor.)
Reece, John E. (See Wigle, J. V., and Reece.)
Reece, Joseph A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,805,260; May 12.
Reece, Joseph A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for producing sheet glass. 1,815,726; July 21.
Reece, Joseph A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass drawing apparatus. 1,831,639; Nov. 10.
Reece, Joseph A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for 1,836,393; Dec. 15.
Reece, Joseph A., assignor to Libbey-Owens-Ford Glass Company, Toledo, iOho. Process and apparatus for producing sheet glass. 1,836,394; Dec. 15.
Reece, Joseph A., and W. E. Nobbe, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for rolling sheet glass. 1,807,873; June 2.
Reece Shoe Machinery Company. (See Carlson, Axel F., assignor.)
Reece Shoe Machinery Company. (See Oliver, John R.)
Reed, Andrew H., assignor of one-third to S. M. Coffman, one-third to C. W. Turner, and one-sixth to L. O. Coffman, Kansas City, Mo. Parachute opener. 1,793,447; Feb. 17.
Reed, Arthur G., Swissvale, assignor to McCrady Brothers Company, Braddock, Pa. Machine for mixing concrete and the like. 1,819,756; Aug. 18.
Reed, Arthur J., Philadelphia, Pa. Spring support for motors. 1,809,603; June 9.
Reed, Arthur J., Philadelphia, Pa. Draft appliance for furnaces. 1,827,910; Oct. 20.
Reed & Carnrick. (See Eldred, Frank R., assignor.)
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Reamer for earth-boring apparatus. 1,792,869; Feb. 17.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Roller-boring drill. 1,792,927; Feb. 17.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Deep well drill bit. 1,835,522; Dec. 8.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Earth boring drill. 1,835,523; Dec. 8.
Reed, Clarence H., et al. (See Bishop, John H., assignor.)
Reed, Claude D., Lebanon, Pa. Method of and machine for making pretzels. 1,793,374; Feb. 17.
Reed, Clement B., San Francisco, Calif. Military game. 1,798,701; Mar. 31.
Reed, Dempson H., assignor of one-half to J. S. Abercrombie, Houston, Tex. Outside pipe cutter. 1,834,701; Dec. 1.
Reed, E. P., & Co. (See Elbing, Walter E., assignor.)
Reed, Earl A., Tulsa, Okla. Bit. 1,792,604; Feb. 17.
Reed, Edgar F. (See Reed, Henry J. O., assignor.)
Reed, Edward D. (See Olmsted, R. C., and Reed.)
Reed, Edward F., Neosho, Mo. Cabinet. Des. 85,446; Oct. 27.
Reed, Embra T., Elmore, Ohio. Lime kiln. 1,805,151; May 12.
Reed, Everett H. (See West, P. F., and Reed.)
Reed, F. E., Glass Company. (See Reed, Fred E., assignor.)
Reed, Ferdinand E., Vancouver, British Columbia, Canada. Pipe connection joint. 1,833,262; Nov. 24.
Reed, Fred E., assignor to F. E. Reed Glass Company, Rochester, N. Y. Bottle. Des. 83,751; Mar. 24.
Reed, George B., Brooklyn, N. Y. Light projection apparatus. 1,820,543; Aug. 25.
Reed, George B., assignor to Budd Wheel Company, Philadelphia, Pa. Hub construction. 1,828,340; Oct. 20.
Reed, George E., and J. W., Syracuse, N. Y. Air cooling system for combustion engines. 1,818,868; Aug. 11.
Reed, George H., Eatontown, N. J. Reenforcing member for concrete. 1,801,879; Apr. 21.
Reed, Harold V. (See Ahlene, C. M., and Reed.)
Reed, Harold V., assignor to The Borg & Beck Company, Chicago, Ill. Friction clutch. 1,790,284; Jan. 27.
Reed, Harold V., assignor to The Borg & Beck Company, Chicago, Ill. Clutch plate. 1,813,510; July 7.
Reed, Harold V., assignor to The Borg & Beck Company, Chicago, Ill. Friction clutch. 1,825,979; Oct. 6.
Reed, Harold V., assignor to The Borg & Beck Company, Chicago, Ill. Friction clutch. 1,825,980; Oct. 6.
Reed, Harold V., assignor to The Borg & Beck Company, Chicago, Ill. Driven plate for friction clutches. 1,825,981; Oct. 6.
Reed, Harold V., assignor to The Borg & Beck Company, Chicago, Ill. Clutch plate. 1,830,521; Nov. 3.
Reed, Harold V., assignor to The Borg & Beck Company, Chicago, Ill. Clutch plate. 1,837,173; Dec. 15.
Reed, Harvey D., Abington, and H. H. Kent, assignors to Regal Shoe Company, Whitman, Mass. Making shoe uppers. 1,835,967; Dec. 8.
Reed, Henry J. O., assignor of two-thirds to E. F. Reed, Tulare, Calif. Door and sill weather strip. 1,802,834; Apr. 28.
Reed, James K., Ingram, Pa. Locker. 1,789,083; Jan. 13.
Reed, John W. (See Reed, G. E. and J. W.)
Reed, John W., Greensburg, Pa. Shirt. 1,816,745; July 28.
Reed, Joseph V., New York, N. Y., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Last for turn shoes. 1,819,121; Aug. 18.
Reed-Lewis, Ellis W., Detroit, Mich., assignor to The Super Cement Co. Portland cement and producing the same. 1,805,104; May 12.
Reed, Lewis I., Berkeley, Calif. Sound reproduction. 1,812,219; June 30.
Reed, Lyman C., New Orleans, La. Circuit-breaker. 1,834,550; Dec. 1.
Reed, Marion C., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,793,635; Feb. 24.
Reed, Marion C., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,815,072; July 21.
Reed, Marion C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,797,241; Mar. 24.
Reed, Martin L., Wilson, Okla. Combination thread protector and sucker rod stripper. 1,825,605; Sept. 29.
Reed, Matthew H., Chicago, Ill. Power unit adapted to be applied to lawn mowers. 1,819,791; Aug. 18.
Reed Propeller Company, Inc., The. (See Reed, Sylvanus A., assignor.)
Reed Roller Bit Company. (See Behnke, Guy E., assignor.)
Reed Roller Bit Company. (See Bull, Clinton H. M., assignor.)
Reed Roller Bit Company. (See Carlson, Anthony E., assignor.)
Reed Roller Bit Company. (See Childs, William L., assignor.)
Reed Roller Bit Company. (See Dallerup, John R., assignor.)
Reed Roller Bit Company. (See Hamaker, Rex. G., assignor.)
Reed Roller Bit Company. (See Harrington, George G., assignor.)
Reed Roller Bit Company. (See Stokes, John C., assignor.)
Reed, Sylvanus A., assignor to The Reed Propeller Co. Inc., New York, N. Y. Aeronautical propeller. 1,804,433; May 12.
Reed, Sylvanus A., assignor to The Reed Propeller Co. Inc., New York, N. Y. Aeronautical propeller and making the same. 1,804,434; May 12.
Reed, Sylvanus A., assignor to The Reed Propeller Co., Inc., New York, N. Y. Aeronautical propeller and method of making same. 1,831,365; Nov. 10.
Reed, Sylvanus A., assignor to The Reed Propeller Co., Inc., New York, N. Y. Tandem aeronautical propeller. 1,831,366; Nov. 10.
Reed, Sylvanus A., New York, N. Y., assignor to The Reed Propeller Company, Inc. Aeronautical propeller. 1,831,394; Nov. 10.
Reed, Sylvanus A., New York, N. Y., assignor to The Reed Propeller Co., Inc. Aeronautical propeller. 1,833,911; Dec. 1.
Reed, Sylvanus A., assignor to The Reed Propeller Co., Inc., New York, N. Y. Aeronautical propeller and making the same. 1,836,989; Dec. 15.
Reed, Warren B., and W. Hepler, Morgan City, La. Multiple stage rotary drill. 1,819,303; Aug. 18.
Reed, Whiteman, San Francisco, assignor, by mesne assignments, to California Bank, Los Angeles, Calif. Shock absorbing device for aeroplanes. 1,831,136; Nov. 10.
Reed, William E., Pittsburgh, Pa. Feeding mechanism. 1,817,099; Aug. 4.
Reed, William P., Chicago, Ill. Dispensing container. 1,823,572; Sept. 15.
Reed, William R., Baltimore, Md. Aeroplane. 1,808,005; June 2.
Reed, William S., Leominster, Mass. Coupling. 1,799,317; Apr. 7.
Reede, Edmund J., Silverton, Oreg. Tool. 1,818,869; Aug. 11.
Reeder, Charles H., assignor to Reeder Manufacturing Co., St. Louis, Mo. Chaplet. 1,816,870; Aug. 4.
Reeder, Frank C., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Automatic regulator. 1,806,367; May 19.
Reeder, John, assignor to Ward Baking Company, New York, N. Y. Cake box. Des. 83,279; Feb. 10.
Reeder Manufacturing Co. (See Reeder, Charles H., assignor.)
Reeder, Nathaniel S., New York, N. Y., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Dump car door controlling mechanism. 1,834,422; Dec. 1.
Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Gas stove. Des. 84,205; May 19.
Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Gas stove. Des. 85,344; Oct. 13.
Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Gas stove. Des. 85,345; Oct. 13.
Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Gas burner. 1,791,247; Feb. 3.

Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Cooking stove or range. 1,801,640; Apr. 21.
Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Cooking stove or range. 1,801,641; Apr. 21.
Reedy, Henry A., St. Paul, Minn. Photo-printing machine. 1,824,622; Sept. 22.
Reedy, John H., Hamilton, Ohio. Flexible coupling. 1,788,741; Jan. 13.
Reedy, John H., assignor to The Champion Coated Paper Company, Hamilton, Ohio. Paper-winding apparatus. 1,793,559; Feb. 24.
Reedy, John H., assignor of one-half to A. O. Rolfe, Hamilton, Ohio. Packing box. 1,804,810; May 12.
Reefer, Eugene J., New York, N. Y. Moth preventive and deodorizer. 1,834,738; Dec. 1.
Reefer, Eugene J., assignor to Reefer's No–Moth, Inc., New York, N. Y. Deodorizing device. 1,816,442; July 28.
Reefer's No-Moth, Inc. (See Reefer, Eugene J., assignor.)
Reeh, Johannes E. W., La Rochelle, France, assignor to Societe Anonyme de Conservation Industrielle du Poisson, Paris, France. Apparatus for and process of congelation. Re18,124; July 7.
Reehsing, Friedrich W. H., Bremen, Germany, assignor to Aktiebolaget Absorbator, Stockholm, Sweden. Refrigerating apparatus of the absorption type. 1,808,510; June 2.
Reel, Herbert W., Hinsdale, assignor to United States Gypsum Company, Chicago, Ill. Roof construction. 1,817,900; Aug. 4.
Reel, Herbert W., Hinsdale, assignor to United States Gypsum Company, Chicago, Ill. Roof and floor construction. 1,823,987; Sept. 22.
Reel, Herbert W., Hinsdale, assignor to United States Gypsum Company, Chicago. Building construction. 1,829,156; Oct. 27.
Reents, Erich. (See Tauchmann, G., and Reents.)
Reeps, Charles O., Chicago, Ill., assignor to The Prosperity Company Inc., Syracuse, N. Y. Handling laundry. 1,796,666; Mar. 17.
Reeps, Charles O., Chicago, Ill., assignor, by mesne assignments, to National Laundry Machinery Company, Inc., Wilmington, Del. Ironing machine. 1,823,469; Sept. 15.
Reerink, Engbert H., assignor to N. V. Phillips Gloeilampenfabriken, Eindhoven, Netherlands. Precipitating rhodium, iridium, osmium, ruthenium and the like. 1,818,909; Aug. 11.
Reerink, Engbert H., and J. G. W. Mulder, Eindhoven, Netherlands, assignors to Radio Corporation of America. Wehnelt-cathode. 1,821,359; Sept. 1.
Rees, Alice M., Tulsa, Okla. Wheel rim. 1,823,842; Sept. 15.
Rees, David E. W. (See Hutchinson, W. E., and Rees.)
Rees, Gomer H. (See Spencer, Kenneth S. S., assignor.)
Rees Manufacturing Corporation. See Kohler, John H., assignor.)
Rees, Thomas E., Canton, Ohio. Sheet rolling and finishing machine. 1,817,707; Aug. 4.
Rees, William E., Gananoque, Ontario, Canada. Rivet setting and punching press. 1,806,217; May 19.
Reese, Aaron, Seattle, Wash. Directing means for automobile spotlights. 1,831,137; Nov. 10.
Reese, Alfred, Hamburg, Germany. Door closer. 1,810,293; June 16.
Reese, Algernon B., New York, N. Y. Ophthalmoscope. 1,815,866; July 21.
Reese, Andrew, Massillon, Ohio. Folding wire rubbish burner. 1,833,857; Nov. 24.
Reese, David M., Des Moines, Iowa. Garbage incinerator. 1,811,562; June 23.
Reese, Edward A., Milwaukee, Wis. Furnace-wall construction. 1,794,031; Feb. 24.
Reese Engineering Company. (See Reese, Jesse C., assignor.)
Reese, Eva M., Canton, Ohio. Combination undergarment. 1,831,607; Nov. 10.
Reese, Jesse C., Montebello, Calif., assignor to Reese Engineering Company, Ltd. Bit having tangential blades. 1,809,182; June 9.
Reese, John, Goodhue, Minn. Fire escape ladder. 1,813,865; July 7.
Reese, Leland F., New York, N. Y. Reversible revolving door weatherstrip vertical. 1,834,867; Dec. 1.
Reese, Lemuel V., Cincinnati, Ohio, assignor to Erie City Iron Works, Erie, Pa. Furnace. 1,795,347; Mar. 10.
Reese, Louis C., assignor to Baker Perkins Company, Incorporated, Saginaw, Mich. Baking oven. 1,829,670; Oct. 27.
Reese, Merl W., Omaha, Nebr. Four-in-hand tie. 1,794,497; Mar. 3.
Reese, W. S. (See Chibnik, Harry, assignor.)
Reese, William D. (See Bock, C. J., and Reese.)
Reese, William W., assignor to The Duncan & Miller Glass Company, Washington, Pa. Glass tumbler or similar article. Des. 84,440; June 16.
Reetz, Conrad A., assignor to Atlas Metal Works, Dallas, Tex. Telephone cabinet. 1,805,847; May 19.
Reeve, George A., Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio. Guide. 1,835,898; Dec. 8.
Reeve, Howard T., Millburn, N. J., assignor to Western Electric Company, New York, N. Y. Making cathodes. 1,809,067; June 9.
Reeve, Howard T., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron emitter. 1,829,810; Nov. 3.
Reeve, Sidney A., Staten Island, N. Y. Swimming device. 1,792,605; Feb. 17.
Reever, Thomas W. (See Earl, A. R., and Reeves.)
Reeves, Beauford H., assignor to Rockbestos Products Corporation, New Haven, Conn. Machine for making insulated wire. 1,789,881; Jan. 20.
Reeves, Beauford H., assignor to Rockbestos Products Corporation, New Haven, Conn. Machine for making insulated wire. 1,789,882; Jan. 20.
Reeves, Beauford H., New Haven, Conn., assignor to Ray-Signs Corporation. Reflecting unit. 1,794,867; Mar. 3.
Reeves, Beauford H., assignor to Rockbestos Products Corporation, New Haven, Conn. Machine for making insulated wire. 1,836,771; Dec. 15.
Reeves, Beauford H., assignor to Rockbestos Products Corporation, New Haven, Conn. Reel stand. 1,836,815; Dec. 15.
Reeves, Clifton. (See Goulding, Albanus W., assignor.)
Reeves, Cuthbert E., Buffalo, N. Y. Steering stabilizer. 1,827,487; Oct. 13.
Reeves, Donald H., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,820,031; Aug. 25.
Reeves, Donald H., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,836,040; Dec. 15.
Reeves, Herbert M., assignor to Continental Stove Corporation, Ironton, Ohio. Stove. Des. 84,300; June 2.
Reeves Manufacturing Company, The. (See Carroll, John, assignor.)
Reeves Manufacturing Company, The. (See Krantz Arthur J., assignor.)
Reeves Manufacturing Company, The. (See Miller, Donald A., assignor.)
Reeves Manufacturing Company, The. (See Wendle, Virgil P., assignor.)
Reeves, Orwell C., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Jewel bearing mounting. 1,806,179; May 19.
Reeves, Orwell C., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Dashpot for weighing scales. 1,829,540; Oct. 27.
Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Variable-speed unit. 1,792,242; Feb. 10.
Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Power transmission belt. 1,811,826; June 23.
Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Variable speed unit. 1,822,935; Sept. 15.
Reeves, Peter B., Waterbury, Conn. Musical hour-striking clock. 1,832,658; Nov. 17.
Reeves Pulley Company. (See Everroad, Leonard P., assignor.)
Reeves Pulley Company. (See Perry, William R., assignor.)
Reeves Pulley Company. (See Reeves, Paul B., assignor.)
Reeves, Raymond B. (See Clarke, R. E., and Reeves.)
Reeves, Robert S., Cimarron, Kans. Land packer. 1,795,505; Mar. 10.
Reeves, Walter J., Glendale, Calif. Sink supporting frame. 1,823,915; Sept. 22.
Reeves, William H., St. Louis, Mo. Pump. 1,795,097; Mar. 3.
Refinery Engineers. (See Keith, Percy C., jr., assignor.)
Refinery Supply Company. (See Sillers, D. A., Price, and Bartlett, assignors.)
Refinoil Manufacturing Corporation. (See Krieger, Franklin O., assignor.)
Reflector Hardware Corporation. (See Zadek, Milton, assignor.)
Refrigerator Grid Company. (See Sherer, Frank G., assignor.)
Refsgaard, Anton C., Hamburg, Germany. Vehicle heater. 1,788,742; Jan. 13.
Refsgaard, Anton C., Hamburg, Germany. Tune-sheet key indicator. 1,838,284; Dec. 29.
Regal Musical Instrument Co. (See Kordick, Frank, assignor.)
Regal Shoe Company. (See Bliss, Elmer J., assignor.)
Regal Shoe Company. (See Bliss, E. J., and Clarke, assignors.)
Regal Shoe Company. (See Reed, H. D., and Kent, assignors.)
Regan Forge & Engineering Company, et al. (See Bricken, John, assignor.)
Regan, James J., Los Angeles, Calif. Steam boiler. 1,823,573; Sept. 15.
Regan, John, New Bedford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop-motion. 1,817,167; Aug. 4.
Regan, John, New Bedford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical warp stop motion. 1,832,580; Nov. 17.
Regan, John F., Youngstown, Ohio. Coke wharf. 1,790,247; Jan. 27.
Regan, Paul H., Fitchburg, Mass. Advertising device. 1,827,167; Oct. 13.
Regan Safety Devices Company, The. (See Bodde, Theodore, assignor.)

Regan Safety Devices Company, The. (See Rosenzweig, Fred M., assignor.)
Regan Safety Device Co. (See Shaver, Archibald G., assignor.)
Regan, William J., Wilkinsburg, assignor to The McConway & Tarley Company, Pittsburgh, Pa. Uncoupling mechanism. 1,797,674; Mar. 24.
Regen, Oscar, Brooklyn, N. Y. Suspending device for calendars and like articles. 1,788,591; Jan. 13.
Regenerative Coal Gasification System, Limited. (See Travers, Morris W., assignor.)
Regenstein, Joseph, assignor to Arvey Corporation, Chicago, Ill. Providing mounted lithographs with notches for centering. 1,822,373; Sept. 8.
Regensteiner Corporation. (See Lowenstein, Herman H., assignor.)
Regenstreif, Jacob, Berlin, Germany, assignor to General Electric Company. Bulb feeder for sealing-in machines. 1,791,427; Feb. 3.
Regenstreif, Jakob, Berlin, Germany, assignor to General Electric Company. Method and machine for mounting coiled filaments. 1,791,378; Feb. 3.
Regenstreif, Jakob, Berlin, Germany, assignor to General Electric Company. Soldering machine for incandescent lamps and similar devices. 1,794,733; Mar. 3.
Regents of the University of California, The. (See Lipman, C. B., and Gordon, assignors.)
Reger, Martin. (See Ewest, H., and Reger.)
Regero, Frank, Macon, Ga., assignor, by mesne assignments, to L. & R. Manufacturing Company. Watch cleaning machine. 1,817,266; Aug. 4.
Regester, Eddie, Norton, Kans. Sprinkler. 1,788,779; Jan. 13.
Regina Corporation, The. (See Holmes, Harry W., assignor.)
Regina Corporation, The. (See Meier, George, assignor.)
Regnier, Ralph J., jr. (See Polleys, Charles G., assignor.)
Rehak, James, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Bias cutter. 1,825,250; Sept. 29.
Rehback, Charles W., Redondo Beach, Calif. Making fish-tail bits. 1,799,318; Apr. 7.
Rehbock, Jean, Washington, D. C. Aquatic vehicle. 1,833,912; Dec. 1.
Rehrig, William J., Los Angeles, Calif. Machine for making coat hangers. 1,820,249; Aug. 25.
Reibel, Jean F. J., Chatellerault, France, assignor to Société des Armes Lewis, Paris, France. Contrivance or device for throwing projectiles or the like. 1,825,203; Sept. 29.
Reich, Aaron. (See Schneider, L., and Reich.)
Reich, Ernest. (See Mills, Harry R., assignor.)
Reich, Frank F., Rapid City, S. Dak. Hair clipper. 1,823,764; Sept. 15.
Reich, Gustave T., Anaheim, Calif. Apparatus for the dehydration and low temperature carbonization of waste saccharine material. 1,823,408; Sept. 15.
Reichard, Harold D., Newark, Ohio, assignor to Barnsdall Corporation, Tulsa, Okla. Tire. Des. 85,055; Sept. 8.
Reichard, Herman G., Brooklyn, N. Y. Treatment of fibers. 1,805,316; May 12.
Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Continuous inductive train-control system. 1,794,545; Mar. 3.
Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Continuous inductive train-control system. 1,794,546; Mar. 3.
Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Intermittent inductive train-control system. 1,794,547; Mar. 3.
Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Train control system for single track railroads. 1,824,171; Sept. 22.
Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Train control car element. 1,824,172; Sept. 22.
Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 1,824,173; Sept. 22.
Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,824,174; Sept. 22.
Reichart, James H., Muncie, Ind. Self-cleaning corn popper. 1,789,157; Jan. 13.
Reichart, James H., Muncie, Ind. Electric heater construction. 1,813,767; July 7.
Reichart, William M. (See Tyler, R. S., McGeorge, and Reichart.)
Reichart, William M., assignor to The Effenare Manufacturing Company, Cleveland, Ohio. Scale-prevention in boilers or the like. 1,825,477; Sept. 29.
Reichel, Ferdinand, assignor to National Folding Box Company, New Haven, Conn. Mailing carton. 1,822,936; Sept. 15.
Reichelt, Bruno, Nutley, N. J. Sweatband for hats. 1,804,546; May 12.
Reichelt, Lester O., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable forming apparatus. 1,813,197; July 7.
Reichenbach, Albert, Pforzheim, Germany. Fountain penholder. 1,808,377; June 2.
Reichenbach, Howard F., Wolcott, assignor to Chase Companies, Inc., Waterbury, Conn. Gang or multiple-unit variable electric condenser. 1,810,985; June 23.
Reichenbecher, Georg, Mulheim-Ruhr, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Reenforced pipe joint. 1,824,499; Sept. 22.
Reichenbecher, Georg, Mulheim-Ruhr, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Reenforced joint for socket pipes. 1,824,500; Sept. 22.
Reichert, John, Racine, Wis. Cow hopple. 1,817,845; Aug. 4.
Reichert, Ludwig, Brooklyn, and M. Watter, New York, assignors to Chance Vought Corporation, Long Island City, N. Y. Tail-wheel mount for aeroplanes. 1,794,796; Mar. 3.
Reichert, Otto. (See Hagedorn, M., and Reichert.)
Reichmann, Reinhold. (See Gerdien, H., and Reichmann.)
Reichmann, Reinhold, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Manufacture of insulating bodies and more particularly of insulators for spark plugs. 1,803,355; May 5.
Reichmann, Reinhold, and K. Zimmerman, Berlin, Germany, assignors to Westinghouse Electric and Manufacturing Company. High voltage fuse. 1,819,198; Aug. 18.
Reichold, Ludwig, Winsted, assignor to The Fitzgerald Mfg. Company, Torrington, Conn. Electric heater. 1,794,120; Feb. 24.
Reichold, Ludwig, Winsted, assignor to The Fitzgerald Manufacturing Co., Torrington, Conn. Electric cooking apparatus. 1,822,314; Sept. 8.
Reichold, Ludwig, Winsted, assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Control switch particularly for electric sadirons and similar devices. 1,822,315; Sept. 8.
Reid, Andrew T., Camellia, near Sydney, New South Wales, Australia. Cement pipe. 1,829,491; Oct. 27.
Reid, Arthur A., Dickson, Pa. Aircraft. 1,834,254; Dec. 1.
Reid, Ebenezer E., Baltimore, Md., assignor to Columbia Engineering & Management Corporation. Extraction of oils. 1,802,533; Apr. 28.
Reid, Ebenezer E., Baltimore, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensing alcohols. 1,821,667; Sept. 1.
Reid, Ernest E., Nickerson, Kans. Line holder. 1,789,774; Jan. 20.
Reid, Ernest W. (See Davidson, J. G., and Reid.)
Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Automobile carrying vehicle. 1,824,370; Sept. 22.
Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Locking device for semi-trailers. 1,838,868; Dec. 29.
Reid, Frederick M., P. Schon, and C. M. Eason, assignors to Fruehauf Trailer Company, Detroit, Mich. Vehicle for transporting automobiles or the like. 1,824,369; Sept. 22.
Reid, George C., Easley, S. C. Grinding attachment for milling machines. 1,832,997; Nov. 24.
Reid, Hugh S., Shawinigan Falls, Quebec, Canada, and A. H. Maude, Nitro, W. Va., assignors to Canadian Electro Products Company, Limited, Montreal, Quebec, Canada. Manufacture of mercury salts. 1,808,253; June 2.
Reid, James J., San Francisco, Calif. Gas generator. 1,806,823; May 26.
Reid, James S., assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Closure. 1,802,186; Apr. 21.
Reid, James S., assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Closure. 1,806,218; May 19.
Reid, James S., assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Closure. 1,814,409; July 14.
Reid, James S., assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Neck and closure structure. 1,818,581; Aug. 11.
Reid, James S., assignor to The Eaton Axle and Spring Company, Cleveland, Ohio. Sealing gasket for neck and closure structures. 1,831,262; Nov. 10.
Reid, James S., assignor to The Eaton Axle and Spring Company, Cleveland, Ohio. Neck and closure structure. 1,838,636; Dec. 29.
Reid, James S., assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Closure. 1,838,637; Dec. 29.
Reid, James S., assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Closure. 1,838,638; Dec. 29.
Reid, James S., assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Closure. 1,838,639; Dec. 29.
Reid, John, New York, N. Y. Drafting furnaces. 1,788,888; Jan. 13.
Reid, John, assignor to Joseph Reid Gas Engine Company, Oil City, Pa. Lubricating eccentric driving gears. 1,798,496; Mar. 31.
Reid, John, assignor to Joseph Reid Gas Engine Company, Oil City, Pa. Eccentric driving gear. 1,830,717; Nov. 3.
Reid, Joseph, Gas Engine Company. (See Reid, John, assignor.)
Reid, Leslie K., Ashton-on-Mersey, assignor to D. Anderson & Sons Limited, London, England. Means applicable for use in conveying hot viscous materials such as bitumen, tar, sugar and the like. 1,807,796; June 2.

Reid, Matthew, Vancouver, British Columbia, Canada. Expansible vulcanizing mold for automobile tires. 1,795,680; Mar. 10.
Reid, Murdoch & Co. (See Canaday, Miron S., assignor.)
Reid, Osburnd E. (See Carroll, F. J., and Reid.)
Reid, Thomas. (See Denniss, J., and Reid.)
Reid, Wilfrid T., St. Laurent, Quebec, assignor to Curtiss-Reid Aircraft Company Limited, Montreal, Quebec, Canada. Skew lever. 1,825,285; Sept. 29.
Reid, William L. (See Rauch, J. D., and Reid.)
Reid, William L., Lima, Ohio. Locomotive construction. 1,822,420; Sept. 8.
Reider, John J., New York, N. Y. Fuel saver. 1,836,728; Dec. 15.
Reif, Ervin H., Kalona, Iowa. Packing honey. 1,797,021; Mar. 17.
Reif, Joseph, Hebron, Ind., assignor of one-half to F. E. Ling. Automobile jack. 1,802,067; Apr. 21.
Reif, Joseph H., assignor of one-half to F. E. Ling, Hebron, Ind. 1,804,482; May 12.
Reiff, Vincent N. (See Mayhew, F. M., and Kelly.)
Reifurth, Otto, Immigrath, Germany. Manufacture of hollow sheet metal shapes. 1,816,298; July 28.
Reig, John, and A. Cruz, Wallingford, Conn. Electric heater attachment for windshields. 1,802,271; Apr. 21.
Reigart, Chauncey, Dansville, assignor to Foster Wheeler Corporation, New York, N. Y. Pipe-outlet construction. 1,792,928; Feb. 17.
Reighner, Edward G., Haynesville, La. Oil saving attachment for wells. 1,836,130; Dec. 15.
Reigneron, Jean B., Trouget, France. Motor vehicle. 1,788,743; Jan. 13.
Reiher, Martin H., Glenside, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Electric condenser. 1,829,015; Oct. 27.
Reihlen, Hans, Karlsruhe, Germany, assignor to M. M. Adler, Newark, N. J. Pyrotechnic device. 1,823,376; Sept. 15.
Reiland, Ernest S. and P. M., St. Paul, Minn. Piston. 1,798,222; Mar. 31.
Reiland, Peter M. (See Reiland, Ernest S. and P. M.)
Reiley, Lawrence E., Goldfield, Nev. Heater. 1,814,335; July 14.
Reilly, Arthur, Washington, D. C., assignor to The Twitchell Process Company, St. Bernard, Ohio. Treating rayon. 1,794,342; Feb. 24.
Reilly, Frank C., New York, N. Y. Liquid identification. 1,787,995; Jan. 6.
Reilly, Frank W., Chattanooga, Tenn., assignor to Williamsport Wire Rope Company. Fitting for heavy duty suspension hangers. 1,811,153; June 23.
Reilly, Frank W., Chattanooga, Tenn., assignor to Williamsport Wire Rope Company. Fitting for light duty suspension hangers. 1,811,154; June 23.
Reilly, Frank W., Chattanooga, Tenn., assignor to Williamsport Wire Rope Company. Wire rope. 1,811,697; June 23.
Reilly, Frank W., Chattanooga, Tenn., and D. C. Sherman, Chicago, Ill., assignors to Williamsport Wire Rope Company. Aerial haulage or cable-way mechanism. 1,829,873; Nov. 3.
Reilly, John J., Weehawken, N. J., and W. A. Gilmartin, New York, N. Y. Photography. 1,812,448; June 30.
Reilly, Peter C. (See Cunningham, Orin D., assignor.)
Reilly, Peter C. (See Derby, I. H., and Cunningham, assignor.)
Reilly, Peter C. (See Edwards, C. B., and Horner, assignors.)
Reilly, Peter C. (See Smith, Theodore W., assignor.)
Reiman, Fred H. (See Creagmile, J. C., and Reiman.)
Reimann, Erich, Berlin-Neukolln, Germany, assignor to General Electric Company. Control system for induction machines. 1,835,968; Dec. 8.
Reimer, George H., assignor to Patent Novelty Company, Fulton, Ill. Mail box. Des. 83,008; Jan. 6.
Reimer, George H., assignor to Patent Novelty Company, Fulton, Ill. Mail box. Des. 84,494; June 23.
Reimer, George H., assignor to Patent Novelty Company, Fulton, Ill. Clothesline reel. 1,827,439; Oct. 13.
Reimer, Hans C., Capron, Ill. Teat cup cleaner. 1,837,484; Dec. 22.
Reimer, William H., assignor to Patent Novelty Company, Fulton, Ill. Magazine mail box. Des. 84,371; June 9.
Reineke, Charles, assignor to The Reineke Motor Corporation, New York, N. Y. Internal combustion engine. 1,803,145; Apr. 28.
Reineke Motor Corporation, The. (See Reineke, Charles, assignor.)
Reiner, Max, Bronx, assignor to Perpetual Self Winding Watch Company of America, Inc., New York, N. Y. Self-winding watch. 1,795,617; Mar. 10.
Reiner, Max, Bronx, assignor, by mesne assignments, to Perpetual Self Winding Watch Company of America, Inc., New York, N. Y. Self winding watch. 1,814,187; July 14.
Reiners, George H., Ukiah, Calif. Tractor attachment. 1,800,659; Apr. 14.
Réiners, Wilhelm, and G. Kablisch, assignors to W. Schlafhorst & Co., Munich-Gladbach, Germany. Warp-beaming machine. 1,795,506; Mar. 10.
Réiners, Wilhelm, and G. Kalisch, assignors to W. Schlafhorst & Co., Munich-Gladbach, Germany. Exchanging the bobbins in preparatory weaving machines. 1,807,495; May 26.
Reinforced Paper Bottle Corporation. (See Koch, Lydia B., assignor.)
Reinforced Paper Bottle Corporation, The. (See Koch, L. B., and Buchina, assignors.)
Reinhardt, Paul. (See Fischer, Hermann, assignor.)
Reinhardt, Eugene F., assignor to J. Pavelka, St. Louis, Mo. Hinge for electric grids. 1,837,232; Dec. 22.
Reinhardt, George, Pleasant Plains, Staten Island, N. Y. Tire casing. Des. 84,441; June 16.
Reinhardt, James H., East Orange, N. J. Page numbering machine. 1,821,360; Sept. 1.
Reinhardt, James H., East Orange, N. J., assignor to American Bank Note Company, New York, N. Y. Numbering head. 1,790,442; Jan. 27.
Reinhardt, James H., East Orange, N. J., assignor to American Bank Note Company, New York, N. Y. Numbering head. 1,797,367; Mar. 24.
Reinhardt, Otto, Pawtucket, R. I. Bobbin filling carrier. 1,820,159; Aug. 25.
Reinhardt, Willard L., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Drying articles. 1,799,248; Apr. 7.
Reinhardt, Willard L., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Drying storage battery plates. 1,806,180; May 19.
Reinhardt, Willard L., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 1,817,846; Aug. 4.
Reinhold, John J., Marietta, Pa. Grave marker. Des. 85,886; Dec. 29.
Reinhold, John J., Marietta, Pa. Envelope for paper money. Des. 85,887; Dec. 29.
Reinhold, Kurt, New York, N. Y. Apparel-locking device. 1,800,873; Apr. 14.
Reinhold, Thomas, Haarlem, Netherlands. Apparatus for washing boreholes. 1,790,678; Feb. 3.
Reinhold, William, Buffalo, N. Y. Device for supporting beams from columns in the construction of welded buildings. 1,813,545; July 7.
Reinhold, William, Buffalo, N. Y. Clip for supporting structural members. 1,834,739; Dec. 1.
Reininger, Gustave M., et al. (See Rosenhagen, Victor, assignor.)
Reinking, Alfred C., Cedar Rapids, and P. E. Hoak, Des Moines, Iowa. Creosoted wood culvert. 1,834,643; Dec. 1.
Reinking, Henry M., assignor of one-half to O. J. Williams, San Francisco, Calif. Road planing machine. 1,828,681; Oct. 20.
Reinöhl, Paul, Stuttgart, Germany. Body brace. 1,797,022; Mar. 17.
Reinold, Louis, assignor to Manufacture Metallurgique De Tournus, Tournus, France. Manufacture of handgrips comprising fittings of molded material 1,831,752; Nov. 10.
Reinstein, Maurice, and E. Erikson, assignors to American Machine and Manufacturing Company, San Francisco, Calif. Fruit peeling machine. 1,837,335; Dec. 22.
Reis, Curt F., assignor to Excel Magneto Company, Chicago, Ill. Impulse coupling. 1,805,598; May 19.
Reis, Louis C., Duluth, Minn. Tailstock attachment for lathes. 1,799,179; Apr. 7.
Reis, Marion, O., assignor of one-half to S. T. McHorney, San Diego, Calif. Combination pen cap and blotter. 1,825,090; Sept. 29.
Reisfeld, Louis. (See Heaton, H. C., Neubeck, and Reisfeld.)
Reising, Eugene G., East Hartford, Conn., assignor of one-fourth to Alva C. Washburne, Pittsfield, Mass. Firearm. 1,790,320; Jan. 27.
Reisley, Ryah, Sunnyside, N. Y. Machine for decorating fabrics. 1,804,435; May 12.
Reisman, Emil, Brooklyn, assignor to Technidyne Corporation, New York, N. Y. Variable resistance. 1,808,790; June 9.
Reiss, Kurt. (See Pfeiffer, Wilhelm, assignor.)
Reiss, Morris D., New York, N. Y. Poultry-plucking machine. 1,791,843; Feb. 10.
Reiss, Walter A., Linden, Md. Vibrating device. 1,826,434; Oct. 6.
Reist, Henry G., Schenectady, N. Y., assignor to General Electric Company. Rotor for dynamo electric machines. 1,808,572; June 2.
Reiter Company. (See McGill, Chester T., assignor.)
Reiter, Daniel I., New York, N. Y. Snap fastener. 1,804,951; May 12.
Reiter, Daniel I., New York, N. Y. Snap fastener element. 1,810,576; June 16.
Reiter, Daniel I., New York, N. Y. Key holder. 1,822,502; Sept. 8.
Reiter, Daniel I., New York, N. Y. Fastener slide. 1,828,256; Oct. 20.
Reiter, David, Woodside, N. Y. Automatic surgical mallet. 1,837,067; Dec. 15.
Reitter, Gustav C., Norwalk, Conn., assignor of one-half to Solomon Goldman, New York, N. Y. Machine for use in the manufacture of hats. 1,802,737; Apr. 28.
Reith, Robert B., Newcastle-on-Tyne, England. Hatch for ships and boats. 1,837,674; Dec. 22.
Reitz, Charles J. (See Brown, Edwin W., assignor.)
Relay Motor Products Corporation. (See Bassick, William R., assignor.)
Relay Motor Products Corporation. (See Domizi, David F., assignor.)

Relay Motor Products Corporation. (See Hamilton, Alexander C., assignor.)
Reliable Belt Company. (See Pollock, Meyer, assignor.)
Reliable Knitting Works. (See Joha, Elmer N., assignor.)
Reliance Company. (See Bradley, Harry L., assignor.)
Reliance Company, The. (See Pfeifer, Walter S., assignor.)
Reliance Company, The. (See Wilms, G. O., and Loock, assignors.)
Reliance Electric and Engineering Company, The. (See Miller, Lloyd E., assignor.)
Reliance Electric and Engineering Company, The. (See Taylor, Stiman B., assignor.)
Reliance Lithograph Company, The. (See Wlecke, A. R., Gorie, and Lange, assignors.)
Reliance Manufacturing Company. (See Bard, Albert T., assignor.)
Reliance Manufacturing Company. (See Mayer, Herbert G., assignor.)
Reliance Steel Products Company. (See McAfoos, Lawrence R., assignor.)
Remark Isidore J., assignor to The General Tire & Rubber Company, Akron, Ohio. Mold. 1,830,676; Nov. 3.
Rember, Winthrop A., Providence, R. I., assignor to Remburner Gas Heating & Cooling Company, Unionville, Conn. Heating apparatus. 1,837,485; Dec. 22.
Rembert, William E., Camden, Ark. Casing perforator for oil wells. 1,835,722; Dec. 8.
Rembrandt Intaglio Printing Company Limited. (See Baldwin, George T., assignor.)
Rembrandt Intaglio Printing Company Limited. (See Barton, Albert J., assignor.)
Remburner Gas Heating & Cooling Company. (See Rember, Winthrop A., assignor.)
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,789,023; Jan. 13.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Load-handling mechanism. 1,795,443; Mar. 10.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Load-handling mechanism. 1,796,397; Mar. 17.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,806,881; May 26.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,827,878; Oct. 20.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,837,486; Dec. 22.
Remey, John T., New York, N. Y. Projecting fluids. 1,792,929; Feb. 17.
Remfrey, James G., Minneapolis, Minn. Club segregator for golf bags. 1,833,534; Nov. 24.
Remfry, Charles N. (See Linn, L. R., and Remfry.)
Rémillard, George, St. John's, Quebec, Canada. Furrow opener. 1,799,642; Apr. 7.
Remington Accounting Machine Corporation. (See Barney E., assignor.)
Remington Accounting Machine Corporation. (See Strother, Robert H., assignor.)
Remington, Alfred M., assignor to Simonds Saw & Steel Co., Fitchburg, Mass. Tempering steel strip. 1,796,304; Mar. 17.
Remington, Alfred M., assignor to Simonds Saw and Steel Company, Fitchburg, Mass. Saw gauge. 1,815,215; July 21.
Remington, Archibald E., Portland, Oreg. Lunch kit. 1,798,497; Mar. 31.
Remington Arms Company. (See Aronson, Peter R., assignor.)
Remington Arms Company. (See Dygert, C. B., and Van Alstine, assignors.)
Remington Arms Company. (See Fuller, Frederick L., assignor.)
Remington Arms Company. (See Green, Charles W., assignor.)
Remington Arms Company. (See Green, C. W., and Rice, assignors.)
Remington Arms Company. (See Haas, Fred S., assignor.)
Remington Arms Company. (See Lippert, Walter E., assignor.)
Remington Arms Company. (See Loomis, Crewford C., assignor.)
Remington Arms Company. (See Werme, Tage F., assignor.)
Remington Arms Company. (See Woodford, Watson, H., assignor.)
Remington, Arthur L., and A. J. Javery, assignors to Warp Compressing Machines Company, Worcester, Mass. Machine for forming yarn packages. 1,808,573; June 2.
Remington, Arthur L., and R. C. Longvall, assignors to Warp Compressing Machine Company, Worcester, Mass. Spindle mounting for creels. 1,833,591; Nov. 24.
Remington, Charles, Liverpool, England, assignor to Associated Telephone and Telegraph Company, Kansas City, Mo. Remote control system. 1,793,828; Feb. 24.
Remington, Charles, Liverpool, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Remote control system. 1,814,529; July 14.
Remington, James H., Wauwatosa, J. D. Remington, Waukesha, Wis., and Y. G. Grahn, Rockford, Ill. Pulley housing. 1,795,889; Mar. 10.
Remington, John D. (See Remington, James H. and J. D., and Grahn.)
Remington, Joseph P., Philadelphia, Pa. Air cleaner. 1,816,871; Aug. 4.
Remington, Joseph P., assignor to Remington Manufacturing Company, Philadelphia, Pa. Carburetor. 1,824,750; Sept. 22.
Remington Machine Company. (See Riley, William H., assignor.)
Remington Manufacturing Company. (See Remington, Joseph P., assignor.)
Remington Oil Engine, Inc. (See Ferrin, Arthur W., assignor.)
Remington Rand Inc. (See Anderson, George G., assignor.)
Remington Rand Inc. (See Davis, Elmer W., assignor.)
Remington Rand Inc. (See Dawson, George H., assignor.)
Remington Rand Inc. (See Day, William H., assignor.)
Remington Rand Inc. (See Drake, Charles R., assignor.)
Remington Rand Inc. (See Heisinger, Wilhelm, assignor.)
Remington Rand Inc. (See Heisinger, Wilhelm H., assignor.)
Remington Rand Inc. (See Hutchings, Le Roi E., assignor.)
Remington Rand Inc. (See Landsiedel, Harry, assignor.)
Remington Rand Inc. (See Lasker, William W., assignor.)
Remington Rand Inc. (See Lasker, W. W., and Russell, assignors.)
Remington Rand Inc. (See Last, James, assignor.)
Remington Rand Inc. (See MacFadden, John J., assignor.)
Remington Rand Inc. (See Ohnstrand, Enoch, assignor.)
Remington Rand Inc. (See Ohnstrand, E., and Rand, assignors.)
Remington Rand Inc. (See Powers, James, assignor.)
Remington Rand Inc. (See Rand, Benjamin G., assignor.)
Remington Rand Inc. (See Rand, James H., assignor.)
Remington Rand, Inc. (See Rand, James H., jr., assignor.)
Remington Rand Inc. (See Sibley, Edward W., assignor.)
Remington Rand Inc. (See Strubing, W., and Scherzinger, assignors.)
Remington Rand Inc. (See Taber, Ralph, assignor.)
Remington Rand Inc. (See Tillstrom, Edgar J., assignor.)
Remington Rand, Inc. (See Trout, Silas E., assignor.)
Remington Rand Inc. (See Wagner, Chester I., assignor.)
Remington Rand Inc. (See Wolf, William R., assignor.)
Remington Rand Inc. (See Wolters, Carl F., assignor.)
Remington Rand Inc. (See Wolters, C. F., and Shulte, assignors.)
Remington Rand Inc. (See Wood, Rodney J., assignor.)
Remington Typewriter Company. (See Barney, Edwin E., assignor.)
Remington Typewriter Company. (See Benner, Russell E., assignor.)
Remington Typewriter Company. (See Edwards, James H., assignor.)
Remington Typewriter Company. (See Going, Georg G., assignor.)
Remington Typewriter Company. (See Hart, Frederick A., assignor.)
Remington Typewriter Company. (See Pennicott, Roy, assignor.)
Remington Typewriter Company. (See Phelps, Joseph, assignor.)
Remington Typewriter Company. (See Sweeney, Joseph L., assignor.)
Remington Typewriter Company. (See Walsoe, Sigurd L., assignor.)
Remington Typewriter Company. (See Walsoe, S. L., and Betz, assignors.)
Remington, Wolcott. (See Hall, P. M., and Remington.)
Remington, Wolcott. (See Thornton, G. A., and Remington.)
Remlein, Frank L., New York, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat dyeing. 1,832,425; Nov. 17.
Remmes, Mathias M., Belleville, assignor to H. B. Wiggin's Sons Company, Bloomfield, N. J. Coating composition. 1,830,243; Nov. 3.
Remnsnider, George, Belleville, Ill. Tape-delivering machine. 1,799,533; Apr. 7.
Remnsnider, George, Belleville, Ill. Fluid pressure regulator. 1,825,755; Oct. 6.
Remondino, Charles H. E. (See McBride, A. C., and Renworth, assignors.)
Remotrole Corporation. (See Washington, Bowden, assignor.)
Remotrole Corporation. (See Washington, B., and Aull, assignors.)
Rempen, Walter, Hanover, Germany, assignor to A. M. Sloss, New York, N. Y. Heating stove. 1,795,968; Mar. 10.
Rempes, George H., Cleveland Heights, assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio. Tool socket. 1,800,264; Apr. 14.
Remsen Corporation. (See Emerson, Victor H., assignor.)
Remy, Wilhelm. (See Roitzheim, A., and Remy.)
Renaud et Cie. of America. (See Davis, John H., assignor.)

Renaud, Henri, Enghien, assignor to Société Anonyme des Établissements Técalémit, Paris, France. Measuring pump. 1,831,753; Nov. 10.
Renault, M. Louis. (See Saives, Léon, assignor.)
Renda, Frank, et al. (See Dicola, Rocco, assignor.)
Rench, William S., San Diego, Calif. Price tag and holder therefor. 1,822,421; Sept. 8.
Rendall, Arthur G., assignor to Morland & Impey Limited, Birmingham, England. Card for use in statistic machines. 1,794,492; Mar. 3.
Rendleman, Norman C., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Running rail. 1,790,556; Jan. 27.
Rendleman, Norman C., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Interlocking sheet piling. 1,804,436; May 12.
Renfrew, Paul B., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Outlet valve for oil dispensers. 1,790,724; Feb. 3.
Renfrew, Paul B., assignor to S. F. Bowser & Company, Fort Wayne, Ind. Rotary machine. 1,795,040; Mar. 3.
Renfrew, Paul B., and T. C. Fisher, assignors to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Liquid flow indicator. 1,834,969; Dec. 8.
Rengmann, Thure, Berlin-Charlottenburg, Germany, assignor of one-half to Grunewalds Registrator Co. Atk. Ges., Berlin, Germany. Paper file. 1,824,791; Sept. 29.
Renken, Anton F., Crete, Nebr. Gopher trap. 1,808,006; June 2.
Renn, George E., Toledo, Ohio. Game apparatus. 1,803,134. Apr. 28.
Renn, Konrad. (See Schirmacher, K., and Renn.)
Rennick, Edwin W. H., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Automatically-controlled circulating system for oils or other liquids. 1,789,841; Jan. 20.
Rennick, Lyle S., San Francisco, assignor to Hartsook-Rennick, Inc., Los Angeles, Calif. Photo printing machine. 1,820,494; Aug. 25.
Rennicke, Otto, New York, N. Y. Magnifying device. 1,798,953; Mar. 31.
Rennie, Kenneth G. (See Goddard, Arthur L., assignor.)
Rennie-Morton Manufacturing Company Limited. (See Morton, Robert, assignor.)
Rennie, William H., Vancouver, British Columbia, Canada. Can-washing machine. 1,791,603; Feb. 10.
Re Nois Put Bracket Corporation. (See Re Nois, Roy J., assignor.)
Re Nois, Roy J., assignor to Re Nois Put Bracket Corporation, Denver, Colo. Display bracket. 1,822,905; Sept. 15.
Renshaw, Alfred H., Noroton, assignor, by mesne assignments, to H. Cave, Hartford, Conn. Dishwashing machine. 1,833,374; Nov. 24.
Renshaw, Joseph H., Cincinnati, Ohio, assignor to Continental Can Company, Inc., New York, N. Y. Attaching bails to containers and the like. 1,833,795; Nov. 24.
Renshler, John D., Findlay, Ohio. Burial casket. 1,804,276; May 5.
Rentler, Joseph, Columbus, Ohio. Illuminated mail box. 1,797,793; Mar. 24.
Rentos, Constantinos G., Brooklyn, N. Y. Swimming appliance. 1,832,998; Nov. 24.
Rentos, Constantinos G., Brooklyn, N. Y., assignor of one-third to Soterios Nicholson, Washington, D. C. Boat. 1,818,356; Aug. 11.
Rentschler, Harvey C. (See Marden, J. W., and Rentschler.)
Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. Voltage regulating system. 1,835,121; Dec. 8.
Rentschler, Harvey C., East Orange, and D. E. Henry, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Uranium photo-electric tube. 1,815,073; July 21.
Rentschler, Harvey C., East Orange, and W. W. Merrymon, Glen Ridge, N. J., assignors to Westinghouse Lamp Company. Rectifier. 1,821,238; Sept. 1.
Rentschler, Mahlon J. (See Jeavons, W. R., and Rentschler.)
Renworth, Frederick W. (See McBridge, A. C., and Renworth.)
Renz, Fred W., Indianapolis, Ind. Window glass. 1,830,887; Nov. 10.
Renzenhausen, Raymond L., and C. F. Pollnow, assignors to Vestal Chemical Company, St. Louis, Mo. Soap dispensing stand. Des. 85,766; Dec. 15.
Renzenhausen, Raymond L., and C. F. Pollnow, assignors to Vestal Chemical Company, St. Louis, Mo. Soap dispensing stand. Des. 85,767; Dec. 15.
Reo Motor Car Company. (See Bethune, John, assignor.)
Reo Motor Car Company. (See Cotes, William A., assignor.)
Reo Motor Car Company. (See Furgason, Claude E., assignor.)
Reo Motor Car Company. (See Ruppel, Frederick C., assignor.)
Reo Motor Car Company. (See Shaw, Harry A., assignor.)
Reo Motor Car Company. (See Strickling, Halbert B., assignor.)
Reo Motor Car Company. (See Thomas, Horace T., assignor.)
Repeck, Frank, Detroit, Mich. Differential carrier. 1,794,203; Feb. 24.
Replogle, Daniel B., Berkeley, Calif., assignor to The Commerce Guardian Trust & Savings Bank, of Toledo, Ohio, trustee. Attachment to air-way-cleaner tools. 1,800,316; Apr. 14.
Replogle, Daniel B., Berkeley, Calif., assignor to The Commerce Guardian Trust & Savings Bank, Toledo, Ohio, trustee. Pipe joint. 1,836,336; Dec. 15.
Replogle, James, Greenville, Ohio. Fender straightening and holding tool. 1,795,041; Mar. 3.
Replogle, James B., Detroit, Mich., assignor to James B. Replogle Laboratories, Inc., Boston, Mass. Coupling. 1,800,753; Apr. 14.
Replogle, James B., Laboratories, Inc. (See Replogle, James B., assignor.)
Replogle, John R., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerated food cabinet. 1,805,785; May 19.
Replogle, John R., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerated cabinet. 1,816,698; July 28.
Replogle, John R., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Refrigerating unit. 1,823,002; Sept. 15.
Replogle, John R., Detroit, Mich., assignor, by mesne assignments, to The Guardian Trust Company, trustee, Cleveland, Ohio. Refrigerating unit. 1,823,003; Sept. 15.
Replogle, John R., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Refrigerating unit. 1,823,004; Sept. 15.
Replogle, John R., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Refrigerating unit. 1,823,124; Sept. 15.
Reppe, Walter. (See Ebert, G., Fries, and Reppe.)
Reppe, Walter, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of ketones. 1,813,953; July 14.
Reppert, Charles M. (See Brown, N. F., and Reppert.)
Republic Carbon Company. (See McAnulty, Semmeon M., assignor.)
Republic Fireproofing Company. (See McWilliams, Rowland, assignor.)
Republic Flow Meters Company. (See Furlong, Francis A., assignor.)
Republic Metalware Company. (See Le Sauvage, George R., assignor.)
Republic Metalware Company, The. (See McCaig, William J., assignor.)
Republic Metalware Company, The. (See Padelford, Lester E., assignor.)
Republic Oil Company. (See Robinson, Ovid D., assignor.)
Republic Paint and Varnish Works. (See Chapin, Arthur B., assignor.)
Republic Rubber Company, The. (See Brill, Abraham, assignor.)
Republic Rubber Company, The. (See Liebau, Richard, assignor.)
Republic Steel Corporation. (See Austin, Clarence W., assignor.)
Republic Steel Corporation. (See Corrigan, M. C., and Jenkins, assignors.)
Republic Steel Corporation. (See Coryell, William C., assignor.)
Republic Steel Corporation. (See Cox, H. M., and Smith, assignors.)
Republic Steel Corporation. (See Feild, Alexander L., assignor.)
Republic Steel Corporation. (See Larson, Leonard, assignor.)
Republic Steel Corporation. (See Rutter, Clyde M., assignor.)
Republic Steel Corporation. (See Schmitz, Fred A., assignor.)
Republic Steel Corporation. (See Sergeson, Robert, assignor.)
Republic Steel Corporation. (See Sills, George W., assignor.)
Republic Steel Corporation. (See Sindelar, Thomas A., assignor.)
Republic Steel Corporation. (See Smith, Earl C., assignor.)
Republic Steel Corporation. (See Vignos, Paul, assignor.)
Re Qua, Frederick L., San Francisco, Calif. Railway rail joint. 1,803,768; May 5.
Requa, Mark M., Seattle, Wash. Furnace. 1,806,916; May 26.
Resch, Carl W., Jeffersonville, Ind., assignor to Logan Co., Inc., Louisville, Ky. Switching conveyer. 1,819,972; Aug. 18.
Resch, Henry, Bayonne, N. J., assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,804,232; May 5.
Resch, Henry, Bayonne, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,806,082; May 19.
Resch, Henry, Bayonne, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,826,823; Oct. 13.
Research Corporation. (See Hedberg, C. W. J., and Wintermute, assignors.)
Research Corporation. (See Hesson, Robert B., assignor.)
Research Corporation. (See Wintermute, Harry A., assignor.)

Research Corporation. (See Wintermute, H. A., and Hedberg, assignors.)
Research Process Company. (See Beall, Isaac N., assignor.)
Research Process Company. (See Butler, Horace, assignor.)
Research & Development Corporation. (See Dalgliesh, Herbert V., assignor.)
Research Engineering Laboratories, Inc. (See Bossard, Theodore, assignor.)
Research Laboratories of National Dairy Products Corp. (See Johnson, Arnold H., assignor.)
Resek, Marc. (See Chadwick, L. S., and Resek.)
Resek, Marc. (See Chadwick, L. S., Resek, and Dahlstrom.)
Resek, Marc. (See Chadwick, L. S., Resek, and Kessler.)
Resek, Marc. (See Chadwick, L. S., Resek, and Midnight.)
Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Lighting device for retort stoves. 1,791,226; Feb. 3.
Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Liquid supply system and oil burning apparatus incorporating same. 1,821,769; Sept. 1.
Reserve Holding Company. (See Bellamy, John I., assignor.)
Reserve Holding Company. (See Brooks, Charles R., assignor.)
Reserve Holding Company. (See Crocker, Thomas F., assignor.)
Reserve Holding Company. (See Doyle, Frederick W., assignor.)
Reserve Holding Company. (See Dumroese, Otto C., assignor.)
Reserve Holding Company. (See Gilchrist, T. O., and Murphy, assignors.)
Reserve Holding Company. (See Graybill, Kenneth W., assignor.)
Reserve Holding Company. (See Harbecke, Herman H., assignor.)
Reserve Holding Company. (See Hershey, Harry E., assignor.)
Reserve Holding Company. (See Hovland, Ole C., assignor.)
Reserve Holding Company. (See Hudd, Alfred E., assignor.)
Reserve Holding Company. (See Hudd, A. E., and Hershey, assignors.)
Reserve Holding Company. (See Levy, O. C., Lomax, and Saunders, assignors.)
Reserve Holding Company. (See Lomax, Clarence E., assignor.)
Reserve Holding Company. (See Lomax, C. E., and Ruggles, assignors.)
Reserve Holding Company. (See Lundquist, Frank A., assignor.)
Reserve Holding Company. (See Nelson, Martin L., assignor.)
Reserve Holding Company. (See Obergfell, Herbert F., assignor.)
Reserve Holding Company. (See Peterson, E. S., and Ruggles, assignors.)
Reserve Holding Company. (See Ray, A. J., Lomax, and Ruggles, assignors.)
Reserve Holding Company. (See Robinson, H. C., and Malmberg, assignors.)
Reserve Holding Company. (See Ruggles, Leonard L., assignor.)
Reserve Holding Company. (See Saunders, Norman H., assignor.)
Reserve Holding Company. (See Saunders, N. H., and Lomax, assignors.)
Reserve Holding Company. (See Schomaker, G. E., and Gould, assignors.)
Reserve Holding Company. (See Sengebusch, Hans, assignor.)
Reserve Holding Company. (See Stehlik, Rudolph F., assignor.)
Reserve Holding Company. (See Tharp, Victor S., assignor.)
Reserve Holding Company. (See Tharp, V. S., and Crocker, assignors.)
Reserve Holding Company. (See Voss, John H., assignor.)
Reserve Holding Company. (See Voss, John H., and T. F. Crocker, assignors.)
Reserve Holding Company. (See Voss, J. H. and Willis, assignors.)
Reserve Holding Company. (See Wicks, John, assignor.)
Reserve Holding Company. (See Wright, Harry R., assignor.)
Resnati, Aldo, Monza, Milan, Italy. Container and packing system for polishing cloths. 1,819,122; Aug. 18.
Respess, William R., St. George, N. Y., assignor to Mariner & Hoskins, Inc., Chicago, Ill. Container. 1,815,800; July 21.
Ressegger, Lloyd E. (See Allen, G. N., Parker, and Ressegger.)
Retherford, Horace G., Vilas, and S. T. Elmore, Campo, Colo. Well capper. 1,803,945; May 5.
Rettenmeyer, Francis X., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave signaling system. 1,804,952; May 12.
Rettew, Harry W., Wyncote, Pa. Stationary tub laundry machine. 1,839,120; Dec. 29.
Rettew, Harry W., Philadelphia, Pa. Washing machine apparatus. 1,839,164; Dec. 29.
Rettig, Oscar F., and Carl E. West, assignors to Right-Way Brake Tester Company, Watertown, Wis. Brake testing device. 1,810,085; June 16.
Rettman, Cornelius L., Merchantville, N. J. Leather polishing wheel. 1,829,492; Oct. 27.
Reubel, Henry, assignor to The Kroder Reubel Co., Incorporated, New York, N. Y. Curtain ring and eye. 1,807,551; May 26.
Reubke, Emil. (See Pistor, G., Suchy, and Reubke.)
Reubke, Emil, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Improving the properties of Portland cements. 1,791,684; Feb. 10.
Reufel, Heinrich M. H., H. De Jong, Eindhoven, and W. G. F. Wentink, The Hague, Netherlands, assignors to General Electric Company. Filament-support making and inserting machine. 1,801,108; Apr. 14.
Reukauf, Edward, jr., assignor to Carey-McFall Co., Philadelphia, Pa. Window shade bracket. 1,819,920; Aug. 18.
Reukauf, Edward, jr., assignor to Carey-McFall Co., Phialdelphia, Pa. Window shade mechanism. 1,820,831; Aug. 25.
Reure, Francois L. R., Paris, France. Metallic pipe coupling. 1,824,792; Sept. 29.
Reutener, Edgar W., Bay Village, Ohio, assignor to The Wm. A. Howe Company, Cleveland, Ohio. Apparatus for applying adhesive to strips. 1,795,409; Mar. 10.
Reutter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Cosmetic container. 1,820,949; Sept. 1.
Revelle, George H., Seattle, Wash. Memorandum-pad holder for wall telephones. 1,789,264; Jan. 13.
Revelle, George H., Seattle, Wash. Memorandum-pad holder for desk telephones. 1,825,204; Sept. 29.
Revelli, Bethel A., Turin, assignor, by mesne assignments, to Metallurgica Bresciana Gia Tempini, Fiurnegrande, Brescia, Italy. Automatic firearm actuated by compressed air. 1,803,946; May 5.
Revere Copper & Brass Incorporated. (See Dallas, Charles D., assignor.)
Revere Copper and Brass, Incorporated. (See Dallas, Charles D., assignor.)
Revere Copper and Brass Incorporated. (See Hart, Austin H., assignor.)
Revere Rubber Company. (See Christophersen, Herbert, assignor.)
Revere Rubber Company. (See Cobb, Henry Z., assignor.)
Revere Rubber Company. (See Hubbell, Clarence W., assignor.)
Reversible Collar Company. (See Snow, William B., assignor.)
Revonah Spinning Mills. (See Malcolm, James F., assignor.)
Rex Accessories Company. (See Pearmain, W. J., and Allan, assignors.)
Rex, Clarence R., Toledo, Ohio. Reaction determination and control especially for the production of hydrate from quicklime. 1,796,396; Mar. 17.
Rex, Harold B., Lynn, Mass., assignor to General Electric Company. Rectified current telemetering system. 1,817,765; Aug. 4.
Rex Manufacturing Co. (See Cecil, Charlie C., assignor.)
Rex Manufacturing Company. (See Max, George T., assignor.)
Rex Research Corporation. (See Beetem, Samuel H., assignor.)
Rex-Watson Corporation. (See Imhofe, R. H., and Humphrey, assignors.)
Rex-Watson Corporation. (See Moore, John T., assignor.)
Rex, William J., Holland, Manitoba, Canada. Hand operated bundle trip for binders. 1,806,708; May 26.
Rey, Joseph. (See Ries, W. E., and Rey.)
Reyburn, John R., Fairfield, Conn., assignor to American Chain Company, Inc. Connecting device for chains. 1,816,230; July 28.
Reyher, Rudolf. (See Laska, L., Reyher, and Zitscher.)
Reymershohns Gamla Industri Aktiebolag. (See Sundberg, Axel G., assignor.)
Reynard, Otto, London, England. Briquetting finely divided coal, fuel, of other pulverulent materials. 1,825,756; Oct. 6.
Reynders, Arthur B., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Base socket. 1,788,066; Jan. 6.
Reynders, Michel Y., Piney Fork, Ohio. Fence post. 1,800,904; Apr. 14.
Reynolds, Adolph R., Columbia, S. C. Bottle filling machine. 1,833,228; Nov. 24.
Reynolds, Anson J., St. Paul, Minn. Cushion tire. 1,825,982; Oct. 6.
Reynolds, Arthur W. (See Babcock, I. A., and Reynolds.)
Reynolds, Arthur W., assignor to The Babcock Manufacturing Company, Leonardsville, N. Y. Adjusting means for agricultural implements. 1,813,511; July 7.
Reynolds, Arthur W., assignor to The Babcock Manufacturing Company, Leonardsville, N. Y. Operating cultivator teeth. 1,832,504; Nov. 17.
Reynolds, Benjamin S., assignor to Burgess Battery Company, Madison, Wis. Battery hand lamp. 1,792,185; Feb. 10.
Reynolds, Carl C., Santa Fe, N. Mex. Liquid purification system. 1,810,789; June 16.

Reynolds, Charles H. (See Lane, C. H., and Reynolds.)
Reynolds, Charles H. (See Lane, Charles H., and Reynolds.)
Reynolds, Charles H., Houston, Tex. Well packer. 1,790,390; Jan. 27.
Reynolds, Charles H., Malden, assignor to Albert & J. M. Anderson, Manufacturing Company, South Boston, Mass. Motor-actuated operating mechanism. 1,802,534; Apr. 28.
Reynolds, Charles Q., St. Louis, Mo., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,787,704; Jan. 6.
Reynolds Company, The. (See Youngberg, Eric, assignor.)
Reynolds, Donald H. B., St. Albans, England. Apparatus for testing pipe joints for leakage. 1,788,845; Jan. 13.
Reynolds, Edward L., Tulsa, Okla. Airship. 1,832,790; Nov. 17.
Reynolds, Edward P., Los Angeles, Calif. Sliding valve. 1,808,715; June 2.
Reynolds, Edwin, Vineland, N. J. Combined bracket and towel-bar fixture. 1,799,319; Apr. 7.
Reynolds, Edwin, Vineland, N. J. Towel rack. 1,800,030; Apr. 7.
Reynolds, Edwin, Vineland, N. J. Rod supporting bracket. 1,805,742; May 19.
Reynolds, Edwin, Vineland, N. J. Self adjustable towel bar bracket. 1,813,818; July 7.
Reynolds Electric Company. (See Oliver, Eben F., assignor.)
Reynolds, Eugene L., Portland, Oreg. Casing for a refrigerating, mixing, and dispensing machine. Des. 84,547; June 30.
Reynolds, Frederick D., St. Louis, Mo. Heel plate clamp. 1,831,608; Nov. 10.
Reynolds, Frederick W., Grantwood, N. J., assignor to American Telephone and Telegraph Company. Light-valve-adjusting means. 1,788,472; Jan. 13.
Reynolds Gas Regulator Co. (See Ford, Albert G., assignor.)
Reynolds Gas Regulator Company. (See Gaunt, F., Reynolds, and Hughes, assignors.)
Reynolds, George H. (See Hirshson, George W., assignor.)
Reynolds, Harper A., East Cleveland, Ohio, assignor to The H. N. White Company, Cleveland, Ohio. Balancer. 1,810,086; June 16.
Reynolds, Harrison G., et al., executors. (See Scott, Robert W.)
Reynolds, Henry T., Lombard, Ill., assignor to American Can Company, New York, N. Y. Container cover. 1,811,967; June 30.
Reynolds, James L., and J. M. McKelvey, assignor of one-third to E. W. Henderson, Charlotte, N. C. Pattern control means for looms and the like. 1,837,487; Dec. 22.
Reynolds, James W. (See Ennis, C. E., and Reynolds.)
Reynolds, John L., Long Island City, N. Y., assignor, by mesne assignments, to Electrical Research Products Inc. Switching apparatus for sound-reproducing systems. 1,788,543; Jan. 13.
Reynolds, John L., Long Island City, N. Y., assignor, by mesne assignments, to Electrical Research Products Inc. Electrical control system. 1,814,263; July 14.
Reynolds, Joy S., et al. (See Reynolds, Joy S., assignor.)
Reynolds, Joy S., San Francisco, Calif., assignor, by mesne assignments, of one-half to J. S. Reynolds, Detroit, Mich., and C. A. Balcolm, San Francisco, Calif. Vehicle braking. 1,826,824; Oct. 13.
Reynolds, Kenneth G. (See Zahner, E. J., and Reynolds.)
Reynolds, Kenneth J., East Hartford, assignor, by mesne assignments, to The Maxim Silencer Company, Hartford, Conn. Silencer. 1,812,413; June 30.
Reynolds, Lloyd H. V. (See Ensign, W. B., and Reynolds.)
Reynolds, Marvin C., and A. K. Epstein, Chicago, Ill. Food product and process. 1,815,727; July 21.
Reynolds, Marvin C., and A. K. Epstein, Chicago, Ill. Margarine and process. 1,815,739; July 21.
Reynolds Metals Company. (See Stranahan, Robert P., assignor.)
Reynolds Metals Company. (See Tomlinson, Frank B., assignor.)
Reynolds Metals Company. (See Wilson, James M., assignor.)
Reynolds, Morley P., Cleveland Heights, assignor to The W. S. Tyler Company, Cleveland, Ohio. Screening apparatus. 1,804,115; May 5.
Reynolds, Myron B. (See Gaunt, F., Reynolds, and Hughes.)
Reynolds, Robert B. (See Young, J. W., Lowy, and Reynolds.)
Reynolds Spring Company. (See Cunningham, Roy H., assignor.)
Reynolds Spring Company. (See McElroy, Robert E., assignor.)
Reynolds Spring Company. (See Wisner, Abram C., assignor.)
Reynolds, Theodore E., Cincinnati, Ohio. Shampoo board 1,837,291; Dec. 22.
Reynolds, W. H., et al. (See Williams, William L., assignor.)
Reynolds Watch Corporation. (See Burke, Louis, assignor.)
Reynolds Wire Co. (See Harvey, Douglas G., assignor.)
Reynoldson, R. G., Madison, Wis., assignor to The Allbright-Nell Company, Chicago, Ill. Meat trimming apparatus. 1,825,205; Sept. 29.
Reyrole, A., & Company Limited. (See Coates, F., and Anderson, assignors.)
Reyrolle A., & Company. (See Leeson, B. H., and King, assignors.)
Reyrolle, A., & Company Limited. (See Allan, Archibald, assignor.)
Reyrolle, A., & Company Limited. (See Allan, A., and Mirrey, assignors.)
Reyrolle, A., & Company Limited. (See Biles, R. W., and Scott, assignors.)
Reyrolle A., & Company Limited. (See Christie, John., assignor.)
Reyrolle, A., & Company, Limited. (See Leeson, Bruce H., assignor.)
Reyrolle, A., & Company Limited. (See Warren, T. R., and Cooke, assignors.)
Reznik, Benjamin M. (See Walker, Ernest A., assignor.)
Rheinische Kampfer-Fabrik G. m. b. H. (See Skraup, S., and Hirschler, assignors.)
Rheinische Kampfer-Fabrik Gesellschaft mit beschrankter-Haftung. (See Skraup, S., and Hirschler, assignors.)
Rheinische Metallwaaren- und Maschinenfabrik. (See Eichenauer, Konrad, assignor.)
Rheinische Metallwaaren und Maschinenfabrik. (See Heinemann, Karl, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik. (See Herlach, Fritz, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik. (See Herlach, F., and Ludwig, assignors.)
Rheinische Metallwaaren- und Maschinenfabrik. (See Müller, Eduard, assignor.)
Rheinische-Metallwaaren- und Maschinenfabrik. (See Romberg, Heinrich, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik. (See Rühlemann, Herbert, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik. (See Schuler, H., and Gietmann, assignors.)
Rheinische Metallwaaren- und Maschinenfabrik. (See Stange, Louis, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik. (See Sundhaussen, Hermann, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik, Sommerda Aktiengesellschaft. (See Faudi, Fritz, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik Sommerda Aktiengesellschaft. (See Karsten, Peter, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik Sömmerda Aktiengesellschaft. (See Kottmann, August, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik Sömmerda Aktiengesellschaft. (See Luce, Hans, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik Sömmerda Aktiengesellschaft. (See Schmidt, Hermann, assignor.)
Rhenania-Kunheim Verein Chemischer Fabriken A. G. (See Rüsberg, F., and Clauss, assignors.)
Rhenania-Kunheim Verein Chemischer Fabriken Aktiengesellschaft. (See Rothe, F., and Brenek, assignors.)
Rhenania-Kunheim Verein Chemischer Fabriken, Aktiengesellschaft, The Firm. (See Rothe, F., and Brenek, assignors.)
Rhenania Verein Chemischer Fabriken A. G., Aachen. (See Brenek, Hans, assignor.)
Rhenania Verein Chemischer Fabriken Aktien-Gesellschaft. (See Stuer, Bernhard C., assignor.)
Rhett, Alston P., Davenport, Iowa. Dunnage bag. 1,834,740; Dec. 1.
Rhiner, Sherrie L., Pine Bluffs, Wyo. Doorlatch mechanism. 1,805,997; May 19.
Rhoads, Ralph E., Ridley Park, and P. D. Parsons, Swarthmore, Pa., assignors to Scott Paper Company. Toilet room equipment. 1,813,198; July 7.
Rhode, Otto A. (See Chevalier, John M., assignor.)
Rhodehamel, Carl W., Hollywood, Calif. Magnetic record wiper. 1,837,586; Dec. 22.
Rhodes, Benjamin C., and C. W. Conroe, assignors to Blystone Manufacturing Company, Cambridge Springs, Pa. Truck. 1,824,234; Sept. 22.
Rhodes, Bert O., Kalamazoo, Mich. Dispensing can. 1,817,322; Aug. 4.
Rhodes, Charles J., Wakefield, England. Apparatus for attaching the heads of sheet metal receptacles. 1,811,405; June 23.
Rhodes, Charles J., Wakefield, England. Process for drawing sheet metal. 1,822,906; Sept. 15.
Rhodes, Charles J., Wakefield, England. Press for sheet metal. 1,828,201; Oct. 20.
Rhodes, Fernand J., Paris, France. Mosaic article. 1,838,108; Dec. 29.
Rhodes, Herbert C. (See Wescott, C. O., and Rhodes.)
Rhodes-Hochriem Manufacturing Company. (See Hochriem, Gustav F., assignor.)
Rhodes-Hochriem Manufacturing Company. (See Hochriem, G. F., and Deschermeier, assignors.)
Rhodes, Jay B., Kalamazoo, Mich. Sharpening device for safety razor blades and the like. 1,829,016; Oct. 27.
Rhodes, Jay B., Kalamazoo, Mich. Sharpening device for safety razor blades and the like. 1,829,060; Oct. 27.
Rhodes, Jay B., Kalamazoo, Mich. Sharpening device for razor blades. 1,829,061; Oct. 27.
Rhodes, Luther, et al. (See States, Charles G., assignor.)
Rhodes, M. H., Inc., (See Rhodes, Marcus H., assignor.)

Rhodes, Marcus H., New Haven, Conn., assignor to M. H. Rhodes, Inc., Wilmington, Del. Switch. 1,795,969; Mar. 10.
Rhodes, Merritt T., Philadelphia, Pa. Sheet packing or gasket material. 1,789,114; Jan. 13.
Rhodes, Russell I., jr., North Attleboro, assignor to The Mason Box Company, Attleboro Falls, Mass. Display box. 1,817,766; Aug. 4.
Rhodes, Russell I., North Attleboro, assignor to The Mason Box Company, Attleboro Falls, Mass. Cigarette case or the like. 1,830,372; Nov. 3.
Rhodes, Russell R. (See Cogan, Leslie L., assignor.)
Rhodes, Walter, Terre Haute, Ind. Power driven hole digger. 1,814,093; July 14.
Rhodes, Walter, Terre Haute, Ind. Earth excavator for tile ditching. 1,814,094; July 14.
Rhodes, Walter A. (See Bowman, D. C., Rhodes, and Estes.)
Rhodesia Broken Hill Development Company Limited. (See Stevens, R. H., Norris, and Watson, assignors.)
Rhodus, Thomas, Chicago, Ill. Rheostat. 1,800,845; Apr. 14.
Rhyndress, Freeman L. (See Pinkerton, H. K., and Rhyndress.)
Rhys, Cyril O., Westfield, N. J., assignor to Standard Oil Development Company. Transmission-gear speed-equalizing means. 1,799,392; Apr. 7.
Rial, Wirt D. (See Black, J. C., and Rial.)
Rial, Wirt D. (See Black, J. C., Rial, and McConnell.)
Rial, Wirt D., Watson, Calif. Refining lubricating oils. 1,816,872; Aug. 4.
Riall, Troy A., Silvis, Ill. Washing machine. 1,823,291; Sept. 15.
Ribb, Carl H., assignor to Parker Wire Goods Company, Worcester, Mass. Road chair and clip. 1,830,888; Nov. 10.
Ribbeck, John F. (See Armstrong, J. V., and Ribbeck.)
Ribbonew Company, The. (See Switzer, Floyd R., assignor.)
Ribbon-Ink Co. (See Fortier, James G., assignor.)
Ribera, Lucien, New York, N. Y. Dispenser. 1,829,671; Oct. 27.
Riblet, Byron C., Spokane, Wash. Trip device. 1,799,534; Apr. 7.
Riblet, Royal N., Spokane, Wash. Swiveled hanger. 1,791,904; Feb. 10.
Riblett, Guy H., assignor to Fairmont Mining Machinery Company, Fairmont, W. Va. Tempering machine. 1,836,337; Dec. 15.
Ricard, Eloi, Melle, France, assignor to U. S. Industrial Alcohol Co., New York, N. Y. Apparatus for the dehydration of impure ethyl alcohol. 1,830,408; Nov. 3.
Ricard, Eloi, Melle, France, assignor, by mesne assignments, to U. S. Industrial Alcohol Co., New York, N. Y. Simultaneous dehydration and purifying of alcohol. 1,831,425; Nov. 10.
Ricard, Eloi, P. Savarit, and H. M. Guinot, Melle, France, assignors, by mesne assignments, to U. S. Industrial Alcohol Co., New York, N. Y. Process and apparatus for the simultaneous distillation, purifying, and dehydration of alcohol obtained from fermented mash. 1,822,454; Sept. 8.
Ricard, Eloi, P. Savarit, and H. M. Guinot, Melle, France, assignors to U. S. Industrial Alcohol Co., New York, N. Y. Simultaneous distillation, purifying, and dehydration of alcohol obtained from fermented mash. 1,822,455; Sept. 8.
Ricardo, Harry R., London, England. Controlling internal-combustion engines of the liquid-fuel-injection type. 1,790,443; Jan. 27.
Ricardo, Harry R., London, England. Mounting of engines and other rotary machines. 1,790,766; Feb. 3.
Ricardo, Harry R., London, England. Packing. 1,790,767; Feb. 3.
Ricardo, Harry R., London, England. Fluid-pressure engine of the sleeve-valve type. 1,796,896; Mar. 17.
Ricardo, Harry R., London, England. Crankshaft. 1,804,643; May 12.
Ricardo, Harry R., London, England. Rotary blower, pump, or fluid pressure engine. 1,818,430; Aug. 11.
Riccio, Michael D. S., Buffalo, N. Y. Watch or clock thermostatic fire alarm. 1,795,507; Mar. 10.
Rice & Adams Corporation. (See Alling, Edward R., assignor.)
Rice, Albert H., assignor of forty-nine per cent to L. J. Baker, Des Moines, Iowa. Adjustable nursery and camp table. 1,833,177; Nov. 24.
Rice, Albert H., assignor of forty-nine per cent to L. J. Baker, Des Moines, Iowa. Nursery table. 1,833,178; Nov. 24.
Rice, Barton & Fales, Incorporated. (See Lodding, F. W., and Vedder, assignors.)
Rice, Barton & Fales, Inc. (See Morin, Arthur J., assignor.)
Rice, Barton & Fales, Incorporated. (See Vedder, John W., assignor.)
Rice, Barton & Fales, Incorporated. (See Vedder, J. W., and Lodding, assignors.)
Rice, Branche C., Cleveland, Ohio. Combination shoe and glide for furniture. 1,804,437; May 12.
Rice, Charles K., Indianapolis, Ind. Panel retaining means. 1,830,038; Nov. 3.
Rice, Charles T., and C. E. Childs, Lubbock, Tex.; said Childs assignor to said Rice. Revolving-top building. 1,798,810; Mar. 31.
Rice, Charles W., Union City, Ind. Window shade mounting. 1,813,768; July 7.
Rice, Clark H., Findlay, Ohio. Bag filling machine. 1,795,265; Mar. 3.
Rice, Cyrus W., Pittsburgh, Pa. Water-cooled nozzle. 1,798,032; Mar. 24.
Rice, Edward E., Irvine, Ky. Coin controlled liquid vending apparatus. 1,815,740; July 21.
Rice, Elbert G., Seattle, Wash. Interest calculator. 1,819,921; Aug. 18.
Rice, Harold D., Bristol, R. I., assignor to Woonsocket Rubber Company, Millville, Mass. Making rubberized sheet materials and products. 1,817,323; Aug. 4.
Rice, Harold de B., assignor to National India Rubber Company, Bristol, R. I. Footwear and making the same. 1,800,405; Apr. 14.
Rice, Harold de B., assignor to National India Rubber Company, Bristol, R. I. Footwear and making same. 1,800,406; Apr. 14.
Rice, Harold de B., assignor to National India Rubber Company, Bristol, R. I. Making flexible insulated wire. 1,826,092; Oct. 6.
Rice, Harold G., Chicago, Ill. Bottle capper. 1,805,295; May 12.
Rice, Harold G., assignor to Indestro Mfg. Co., Chicago, Ill. Bottle capper. 1,813,954; July 14.
Rice, Herbert C., Detroit, Mich. Shock absorber. 1,831,138; Nov. 10.
Rice, John A., Berkeley, Calif., assignor to The Bubblestone Company, Pittsburgh, Pa. Manufacturing artificial travertine or the like. 1,788,592; Jan. 13.
Rice, John A., Berkeley, Calif., assignor to The Bubblestone Company, Pittsburgh, Pa. Making a foamy body. 1,807,810; June 2.
Rice, John A., Berkeley, Calif., assignor to The Bubblestone Company, Pittsburgh, Pa. Treating foam compounds. 1,826,897; Oct. 13.
Rice, John L., Dayton, Ohio. Display device. 1,812,171; June 30.
Rice, John S., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Filing cabinet. 1,787,552; Jan. 6.
Rice, Joseph, assignor to one-half to Elevator Company of America, Chicago, Ill. Elevator control device. 1,833,126; Nov. 24.
Rice, Kirk, assignor to H. F. Allen, Oklahoma City, Okla. Electric apparatus for teaching mathematics. 1,810,529; June 16.
Rice, Luther E., Aurora, Ind. Screening device. 1,788,124; Jan. 6.
Rice, Maurice A., Concord, N. H. Skate sharpener. 1,818,870; Aug. 11.
Rice, Merrit H., Pasadena, Calif. Balanced valve. 1,808,254; June 2.
Rice, Merrit H., assignor of one-third to G. R. Langtree, and one-third to E. P. Melvin, Pasadena, Calif. Balanced valve. 1,788,593; Jan. 13.
Rice, Philip X. (See Miller, H. B., and Rice.)
Rice, Philip X., Staunton, Va., assignor to General Railway Signal Company, Rochester, N. Y. Train-control track element. 1,794,548; Mar. 3.
Rice, Philip X., Danville, Ill., assignor to The Miller Train Control Corporation, Staunton, Va. Train control system. 1,806,500; May 19.
Rice, Philip X., Danville, Ill., assignor to The Miller Train Control Corporation, Staunton, Va. Inductor for train control systems. 1,834,904; Dec. 1.
Rice Products, Inc. (See West, Frank R., assignor.)
Rice, Raymond E. (See Green, C. W., and Rice.)
Rice, Robert, Johnson City, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,834,108; Dec. 1.
Rice, Robert J., Johnson City, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,834,109; Dec. 1.
Rice, William A., Los Angeles, Calif. Extractor. 1,827,109; Oct. 13.
Rice, William H., and H. M. Lyon, Atlanta, Ga. Hose nozzle. 1,835,429; Dec. 8.
Rice, William S., Washington, D. C. Production of dentures. 1,813,583; July 7.
Rice, William S., Chicago, Ill., and C. M. Saeger, jr., Washington, D. C. Metal-spraying apparatus. 1,792,551; Feb. 17.
Rice, Willis R., St. Albans, Vt. Animal trap. 1,802,272; Apr. 21.
Rich, Carl H., assignor to Riley Stoker Corporation, Worcester, Mass. Stoker tuyère construction. 1,836,395; Dec. 15.
Rich, Charles A., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Screw and similar machine. 1,826,953; Oct. 13.
Rich, George R., Pasadena, Calif. Gas meter. 1,823,953; Sept. 22.
Rich, Herbert C., Bedford, England. Spool for photographic roll films. 1,792,709; Feb. 17.
Rich, Malcolm N. (See Marden, J. W., and Rich.)
Rich, Meyer, New London, Conn. Bottle. Des. 84,649; July 14.
Rich, Robert H., East Hampton, Conn. Lamp or analogous article. Des. 84,955; Aug. 25.
Rich Tool Company. (See Hervig, Richard, assignor.)
Rich Tool Company. (See Hervig, R., and Jardine, assignors.)

Rich Tool Company. (See Jardine, Robert, assignor.)
Rich, William T., Lufkin, Tex. Log trimming machine. 1,811,155; June 23.
Richard, Bernhard, assignor to J. R. Geigy S. A., Basel, Switzerland. Manufacture of monoazo-dyestuffs. 1,824,686; Sept. 22.
Richard, Bernhard, assignor to Firm of J. R. Geigy S. A., Basel, Switzerland. Manufacture of substantive polyazo-dyestuffs. 1,829,672; Oct. 27.
Richard, Bernhard, assignor to Firm of J. R. Geigy S. A., Basel, Switzerland. Manufacture of substantive polyazo-dyestuffs. 1,829,673; Oct. 27.
Richard, Clement C. (See Richard, O. K. and C. C.)
Richard, Edward J., Aberdeen, Wash. Cylindrical cutting shears. 1,816,056; July 28.
Richard, Eugene C. (See Cataline, B., and Richard.)
Richard, George A., Hill City, Minn. Heel pad. 1,816,495; July 28.
Richard, Grant M., assignor to Safety Belt Lacer Company, Toledo, Ohio. Belt-lacing hook. 1,789,191; Jan. 13.
Richard, John B., Leominster, Mass., assignor to Du Pont Viscoloid Company, Wilmington, Del. Barrette. 1,813,423; July 7.
Richard, Otis K. and C. C., assignors to Allied Products Corporation, Detroit, Mich. Punch and die retainer. 1,821,770; Sept. 1.
Richard, William E., assignor to Sunbeam Electric Manufacturing Company, Evansville, Ind. Cooling system for internal combustion engines. 1,812,665; June 30.
Richardo, Harry R., London, England. Internal combustion engine. 1,834,473; Dec. 1.
Richards, Alfred E. (See Ricks, F., and Richards.)
Richards, Andrew H., Grand Junction, Colo. Bicycle. 1,813,639; July 7.
Richards, Charles F., White Haven, assignor to Wilmot Engineering Company, Hazleton, Pa. Coal-washing apparatus. 1,800,701; Apr. 14.
Richards, Clarence J., Temple City, Calif. Roof construction. 1,788.326; Jan. 6.
Richards, Daniel W., Roanoke, Va., assignor to The Union Switch & Signal Company, Swissvale, Pa. Signaling apparatus. 1,795,444; Mar. 10.
Richards, Edward J. (See Pittenger, P. S., and Richards.)
Richards, Florence W. E., New York, N. Y. Lighting apparatus. 1,790,557; Jan. 27.
Richards, Frederick T., Peoria, assignor to Stover Manufacturing & Engine Co., Freeport, Ill. Doorstop. 1,810,186; June 16.
Richards, Harry W., Baltimore, Md. Automatic train control. 1,791,002; Feb. 3.
Richards, Henry I., Boston, and I. K. McWilliams, North Grafton, Mass. Plant setter. 1,802,273; Apr. 21.
Richards, John J. (See Harding, R. W., and Richards.)
Richards, Julius H., Torrington, Conn., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,818,649; Aug. 11.
Richards, Oliver L., Cushing, Tex. Static eliminator. 1,789,192; Jan. 13.
Richards, Paul P. E. (See Odee, O., and Richards.)
Richards, Thomas A., North Troy, N. Y. Air heating attachment for stoves. 1,813,679; July 7.
Richards, Walter A. (See Bilger, W. A., and Richards.)
Richards, Wesley A., and P. H. Kramer, Detroit, Mich. Method and apparatus for determining thickness of metal coatings. 1,792,606; Feb. 17.
Richards-Wilcox Manufacturing Company. (See Hoffman, Peter L., assignor.)
Richards-Wilcox Manufacturing Company. (See Phillips, Ellis J. G., assignor.)
Richards, Willard F., Depew, assignor to The Gould Coupler Company, New York, N. Y. Coupler. 1,789,659; Jan. 20.
Richards, Willard F., Depew, assignor to The Symington Company, New York, N. Y. Draft gear. 1,808,378; June 2.
Richards, William L. (See Adams, A., jr., and Richards.)
Richards, William L., Lynbrook, and C. J. Nelson, Brooklyn, N. Y., assignors to American Air Filter Company, Louisville, Ky. Plate for air filters. 1,834,534; Dec. 1.
Richardson, Alan C., Menlo Park, assignor to California Packing Corporation, San Francisco, Calif. Protective coating for cans. 1,830,244; Nov. 3.
Richardson Ball Bearing Skate Company. (See Whitcomb, Henry F., jr., assignor.)
Richardson Brothers Company. (See Richardson, Jairus S., assignor.)
Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Unwinding reel for cloth-winding machines. 1,790,020; Jan. 27.
Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Machine for applying transfer stamps. 1,810,294; June 16.
Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Cloth shearing machine. 1,815,585; July 21.
Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Seam-controlled shearing machine. 1,822,374; Sept. 8.
Richardson, Charles M., Akron, and A. J. Howe, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Making rubber footwear. 1,792,322; Feb. 10.
Richardson, Charles M., Akron, and A. J. Howe, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Conveyer system. 1,822,111; Sept. 8.
Richardson Company, The. (See Burke, Edward J., assignor.)
Richardson Company, The. (See Cain, John R., assignor.)
Richardson Company, The. (See Cain, J. R., and Yungblut, assignors.)
Richardson Company, The. (See Keller, Charles L., assignor.)
Richardson Company, The. (See Morris, Warren A., assignor.)
Richardson Company, The. (See Richardson, William H., assignor.)
Richardson Company, The. (See Rieser, Oliver O., assignor.)
Richardson Company, The. (See Yungblut, G., and Fisher, assignors.)
Richardson, Conley W., Marion, Va., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Cable guide. 1,820.495; Aug. 25.
Richardson Corporation. (See Benham, L. L., Chamberlin, and Cartwright, assignors.)
Richardson Corporation. (See Johnson, Alvin S., assignor.)
Richardson Corporation. (See Johnson, A. S., and Balkwill, assignors.)
Richardson, Donald E., assignor to H. G. Fischer & Co. Inc., Chicago, Ill. High frequency wattmeter. 1,827,333; Oct. 13.
Richardson, Edgar J., Sheridan, Wyo. Reverse motion check. 1,805,226; May 12.
Richardson, Edward A., West Mansfield, Mass. Cleat mounting. 1,810,577; June 16.
Richardson, Ernest E., and R. L. Culpepper, Albany, Ga. Spindle bolt remover. 1,819,973; Aug. 18.
Richardson, Francis J., New Orleans, La. Folding metallic awning. 1,817,847; Aug. 4.
Richardson, Francis J., New Orleans, La. Folding metallic awning. 1,824.687; Sept. 22.
Richardson, Francis J., New Orleans, La. Folding metallic awning. 1,839,052; Dec. 29.
Richardson, George L., San Francisco, Calif. Light standard. Des. 83,750: Mar. 24.
Richardson, Harold A., Steelton, Pa. Checker board. Des. 84,650; July 14.
Richardson, Harry C., North Salem, N. Y., assignor to Warren Telechron Company. Clock case. Des. 83,992; Apr. 21.
Richardson, Harry C., North Salem, N. Y., assignor to Warren Telechron Company. Clock case. Des. 84,595; July 7.
Richardson, Harry C., North Salem, N. Y., assignor to Warren Telechron Company. Clock case. Des. 84,754; July 28.
Richardson, Henry, Passaic, N. J. Car door opener. 1,819,974; Aug. 18.
Richardson, Henry, Passaic, assignor to Richardson Scale Company, Clifton, N. J. Bag holder. 1,822,747; Sept. 8.
Richardson, Henry F., et al. (See Richardson, Henry F., assignor.)
Richardson, Henry F., Northport, assignor of one-fourth to A. Coggeshall, Pleasantville, one-sixth to S. R. Bradley, Nyack, one-sixth to A. M. Cregier, Orangeburg, one-sixth to A. B. Bradley, New York, N. Y., and one-fourth to himself. Underfloor wiring duct system. 1,815,447; July 21.
Richardson, Henry F., Northport, assignor of one-fourth to A. Coggeshall, Pleasantville, one-sixth to S. R. Bradley, Nyack, one-sixth to A. M. Cregier, Orangeburg, and one-sixth to A. B. Bradley, New York, N. Y. Floor riser. 1,815,741; July 21.
Richardson, Henry F., assignor of one-fourth to H. F. Richardson, Northport, one-fourth to A. Coggeshall, Pleasantville, one-sixth to S. R. Bradley, Nyack, one-sixth to A. M. Cregier, Orangeburg, and one-sixth to A. B. Bradley, New York, N. Y. Insert for underfloor wiring ducts or the like. 1,824,571; Sept. 22.
Richardson, Herbert L., Worcester, Mass. Winding drum. 1,822,422; Sept. 8.
Richardson, Hugh H., Jacksonville, Fla. Dose indicator and advertising device. 1,796,398; Mar. 17.
Richardson, Jairus S., assignor to Richardson Brothers Company, Sheboygan Falls, Wis. Extension table. 1,796.268; Mar. 10.
Richardson, Jairus S., Sheboygan Falls, Wis., assignor, by mesne assignments, to Matteson Machine Works, Rockford, Ill. Turning machine chuck. 1,827,763; Oct. 20.
Richardson, Jairus S., Sheboygan Falls, Wis., assignor to Mattison Machine Works, Rockford, Ill. Turning machine. 1,834.181; Dec. 1.
Richardson, John H., Melrose, and L. W. Rollins, Medford, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 1,833,953; Dec. 1.
Richardson, John K. (See Collins, Gordon V., assignor.)
Richardson, Joseph L., Nashville, Ark. Clothing compartment. 1,806,882; May 26.
Richardson, Linwood T., and E. M. Schmiel, Milwaukee, Wis., assignors, by mesne assignments, to Cutler-Hammer, Inc. Electrical resistance unit and producing the same. 1,739,829; Feb. 24.

Richardson, Linwood T., Milwaukee, Wis., and E. M. Schmiel, Chicago, Ill., assignors, by mesne assignments, to Cutler-Hammer, Inc. Molded product and forming the same. 1,793,830; Feb. 24.
Richardson, Maurice F., Berwyn, Pa. Valve. 1,789,711; Jan. 20.
Richardson, Robert C., jr., West Point, N. Y. Plate or similar article. Des. 84,651; July 14.
Richardson, Robert P., assignor to The Nu-Shine Company, Reidsville, N. C. Bottle. Des. 84.258; May 26.
Richardson, Rodney G. (See Nelson, M. L., and Richardson.)
Richardson, Rodney G., assignor to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,808,574; June 2.
Richardson, Rodney G., Chicago, and M. L. Nelson, Park Ridge, assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,811,146; June 23.
Richardson Scale Company. (See Richardson, Henry, assignor.)
Richardson, Walter P., Tampa, Fla. Aeroplane landing wing. 1,796,162; Mar. 10.
Richardson, Warren S., assignor of one-half to F. L. Ray, Mecklenburg County, N. C. Aerial grade clamp. 1,798,223; Mar. 31.
Richardson, William H., Glendale, assignor to The Richardson Company, Lockland, Ohio. Waterproofing paper. 1,791,040; Feb. 3.
Richardson, William, and George Steingruber, Atlanta, Ga.; said Richardson assignor, by mesne assignments, to said Steingruber. Water heater for electric ranges. 1,813,124; July 7.
Richer, Joseph R., Oak Park, Ill. Speed change mechanism. 1,831,577; Nov. 10.
Richert, Paul H., Berkeley, Calif. Manufacturing sponge rubber. 1,823,335; Sept. 15.
Richey, Charles V., Jamaica, N. Y. Lockout for outgoing calls for telephone systems. 1,812,984; July 7.
Richey, James G., Alhambra, Calif. Oil well tool vibrator. 1,829,758; Nov. 3.
Richey, Lawrence K., Detroit, Mich. Device for saving life from drowning. 1,807,754; June 2.
Richfield Oil Company. (See Black, J. C., and Rial, assignors.)
Richfield Oil Company of California. (See Black, J. C., Rial, and McConnell, assignors.)
Richfield Oil Company of California. (See Lachman, Arthur, assignor.)
Richfield Oil Company of California. (See Pulliam, Ira L., assignor.)
Richheimer, Isaac D., New York, N. Y. Percolator. 1,803,356; May 5.
Richie, George B. (See Dean, C. L., Lockwood, and Richie.)
Richley, Charles M., Chicago, Ill. Axle. 1,787,454; Jan. 6.
Richman, Samuel, Brooklyn, N. Y. Tie. 1,791,638; Feb. 10.
Richmond Beverage Machine Corporation. (See Patterson, John L., assignor.)
Richmond, Harold A., and D. D. MacLaughlin, assignors to General Abrasive Company, Inc., Niagara Falls, N. Y. Abrasive wheel. 1,820.581; Aug. 25.
Richmond, Harry H., assignor to Electric Steel Foundry Company, Portland, Oreg. Logging vehicle. 1,807,325; May 26.
Richmond, Leon H., Fort H. G. Wright, N. Y. Sound screening device for hydrophones. 1,805,186; May 12.
Richmond, Louis E., assignor to The Autocall Company, Shelby, Ohio. Electromagnetic bell. 1,819,843; Aug. 18.
Richmond, Samuel. (See Myers, G. D., and Richmond.)
Richmond, Samuel, Batavia, assignor to The Edwards Manufacturing Company, Cincinnati, Ohio. Shoe shank support. 1,823,292; Sept. 15.
Richmond Screw Anchor Co. (See Schenk, Tamis C., assignor.)
Richmond, William, Toronto, Ontario, Canada. Washing machine. 1,800,358; Apr. 14.
Richter, Adolf, and W. Schäfer, Dessau-in-Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Purifying and refining hydrocarbon oils. 1,814,410; July 14.
Richter, Arthur, Berbisdorf, Germany. High-speed flat-hosiery frame. 1,794.247; Feb. 24.
Richter, Arthur, Berbisdorf, Germany. Jack motion. 1,830,718; Nov. 3.
Richter, August F., Watertown, N. Y., assignor to Stebbins Engineering & Manufacturing Company. Digesting system. 1,804,116; May 5.
Richter, Bernhard, Berlin, Germany. Rotatable gas filter. 1,826,256; Oct. 6.
Richter, Bernhard, Berlin, Germany. Gas filter. 1,836,131; Dec. 15.
Richter, Emil, assignor to Textile Machine Works, Wyomissing, Pa. Pattern chain. 1,838,640; Dec. 29.
Richter, Emil, Philadelphia, assignor, by mesne assignments, to Schletter & Zander, Inc., Holmesburg, Pa. Yarn feeding mechanism for straight knitting machines. 1,822,317; Sept. 8.
Richter, Emil, assignor to Textile Machine Works, Wyomissing, Pa. Fabric take off device for full fashioned knitting machines. 1,824,501; Sept. 22.
Richter, Erich F. W., Berlin, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Automatic card ejector. 1,803,977; May 5.
Richter, Erich, Wolfone, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cigarette tip coil. 1,816,398; July 28.
Richter, George A., assignor to Brown Company, Berlin, N. H. Processing of raw cellulosic materials. 1,787,953; Jan. 6.
Richter, George A., assignor to Brown Company, Berlin, N. H. Processing of raw cellulosic materials. 1,787,954; Jan. 6.
Richter, George A., assignor to Brown Company, Berlin, N. H. Production of high alpha cellulose fiber. 1,790,170; Jan. 27.
Richter, George A., assignor to Brown Company, Berlin, N. H. Pulp web of high absorptivity and making same. 1,790,839; Feb. 3.
Richter, George A., assignor to Brown Company, Berlin, N. H. Kraft-simulating pulp and producing same. 1,792,510; Feb. 17.
Richter, George A., assignor to Brown Company, Berlin, N. H. Fiber product and producing same. 1,793,194; Feb. 17.
Richter, George A., assignor to Brown Company, Berlin, N. H. High alpha cellulose fiber and producing same. 1,802,575; Apr. 28.
Richter, George A., assignor to Brown Company, Berlin, N. H. Treating ground wood pulp. 1,802,984; Apr. 28.
Richter, George A., assignor to Brown Company, Berlin, N. H. Pulp of high whiteness and strength and producing same. 1,809,286; June 9.
Richter, George A., assignor to Brown Company, Berlin, N. H. White wood pulp for high grade paper manufacture. 1,809,287; June 9.
Richter, George A., assignor to Brown Company, Berlin, N. H. Liberating fiber from bagasse or like stalks. 1,811,864; June 30.
Richter, George A., assignor to Brown Company, Berlin, N. H. Chemical processing of cellulose pulps. 1,813,465; July 7.
Richter, George A., assignor to Brown Company, Berlin, N. H. Recovering and utilizing the valuable compounds in spent cooking liquors. 1,815,328; July 21.
Richter, George A., assignor to Brown Company, Berlin, N. H. Refining raw cellulose pulp. 1,816,343; July 28.
Richter, George A., assignor to Brown Company, Berlin, N. H. Production of chemical wood pulp. 1,817,525; Aug. 4.
Richter, George A., assignor to Brown Company, Berlin, N. H. Production of pulp of high alpha cellulose content. 1,819,002; Aug. 18.
Richter, George A., assignor to Brown Company, Berlin, N. H. Multiple-step process of fiber liberation. 1,819,003; Aug. 18.
Richter, George A., assignor to Brown Company, Berlin, N. H. Cellulose fiber for preparation of esters and producing same. 1,821,321; Sept. 1.
Richter, George A., assignor to Brown Company, Berlin, N. H. Cooking liquor for the production of sulphite pulp. 1,821,322; Sept. 1.
Richter, George A., assignor to Brown Company, Berlin, N. H. Papermaking composition. 1,824,837; Sept. 29.
Richter, George A., assignor to Brown Company, Berlin, N. H. Production of chemical wood pulps. 1,828,848; Oct. 27.
Richter, George A., assignor to Brown Company, Berlin, N. H. Purification of cellulose fiber. 1,829,110; Oct. 27.
Richter, George A., assignor to Brown Company, Berlin, N. H. Composite sheet material. 1,829,157; Oct. 27.
Richter, George A., assignor to Brown Company, Berlin, N. H. Production of refined wood pulp. 1,831,032; Nov. 10.
Richter, George A., assignor to Brown Company, Berlin, N. H. Low viscosity cellulose fiber and making. 1,831,197; Nov. 10.
Richter, George A., assignor to Brown Company, Berlin, N. H. Cyclic process of fiber liberation. 1,833,975; Dec. 1.
Richter, George A., assignor to Brown Company, Berlin, N. H. Production of furfural. 1,838,109; Dec. 29.
Richter, George A., assignor to Brown Company, Berlin, N. H. Refined wood pulp of low pentosan content. 1,838,326; Dec. 29.
Richter, George A., and R. B. Hill, assignors to Brown Company, Berlin, N. H. Manufacture of rubber-impregnated fibrous material. 1,787,952; Jan. 6.
Richter, George A., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Fiber-liberating process. 1,790,838; Feb. 3.
Richter, George A., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Manufacture of high alpha cellulose fibers. 1,801,782; Apr. 21.
Richter, George A., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Treatment of pulp and product of same. 1,806,309; May 19.
Richter, George A. and M. O. Schur, assignors to Brown Company, Berlin, N. H. Producing wood pulp of high alpha cellulose content. 1,809,312; June 9.
Richter, George A., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Processing of pulp and product of same. 1,833,976; Dec. 1.
Richter, George A., M. O. Schur, and R. H. Rasch, assignors to Brown Company, Berlin, N. H. Preparation of cellulose fiber for conversion into derivatives. 1,826,825; Oct. 13.

Richter, Henry G., Roselle Park, N. J. Terminal for circuit elements. 1,824,447; Sept. 22.
Richter, Johannes, assignor to the Firm Ernst Paul Lehmann Patentwerk, Brandenburg-on-the-Havel, Germany. Steering device in children's wheeled toys. 1,799,535; Apr. 7.
Richter, Joseph, Geneva, Switzerland. Manufacture of typographical forms. 1,794,322; Feb. 24.
Richter, Karl, Berlin-Charlottenburg, Germany. Receptacle for holding and forwarding victuals and foodstuffs. 1,837,068; Dec. 15.
Richter, Oskar, Kiel-Neumuhlen, Germany, assignor to Nederlandsche Technische Handel Maatschappij "Giro," The Hague, Netherlands. Gyroscopic compass. 1,837,292; Dec. 22.
Richter, Otto, assignor to Deutsche Werke Kiel Aktiengesellschaft, Kiel, Germany. Starting device for airplanes. 1,797,514; Mar. 24.
Richter, Robert, assignor to the firm of Carl Zeiss, Jena, Germany. Magnifier. 1,794,419; Mar. 3.
Richter, Rudolf, Durlach, Germany, and A. Fekete, Milan, Italy, assignors to Radio Patents Corporation, New York, N. Y. Commutated compensation winding. 1,830,767; Nov. 10.
Richter, Walter E., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for forming sheet metal. 1,831,033; Nov. 10.
Richter, Walther, assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for electric-arc welding. 1,792,243; Feb. 10.
Richter, Walther, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electrode for electric welding. 1,806,952; May 26.
Richter, Walther, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric crane. 1,834,499; Dec. 1.
Richterkessing, Frank H., assignor to Cheatham Electric Switching Device Co., and Nachod and United States Signal Co., Louisville, Ky. Electric signal system. 1,822,503; Sept. 8.
Rick, Edward L., Los Angeles, Calif. Pump liner and packing therefor. 1,837,675; Dec. 22.
Rick, Herbert R., Kent, Ohio. Guard rail construction. 1,827,261; Oct. 13.
Rickard, George B. (See Cameron, J. A., and Rickard.)
Rickard, Milton, East Liverpool, Ohio. Eyeshield. 1,799,064; Mar. 31.
Ricker, Chester S., Waukesha, Wis. Head lamp control. 1,819,690; Aug. 18.
Ricker, George A., Coraopolis, Pa., assignor to Carbo-Oxygen Company, Pittsburgh, Pa. Pressure regulating valve. 1,825,637; Sept. 29.
Ricker, Norman H., Houston, Tex. Fluid pressure operated swab. 1,836,874; Dec. 15.
Ricker, Norman H., Houston, Tex. Fluid pressure operated swab. 1,836,875; Dec. 15.
Ricker, Norman H., assignor to J. P. Scranton, Houston, Tex., trustee. Electromagnetic method of underground exploration. 1,803,405; May 5.
Ricker, Norman H., assignor to Hughes Tool Company, Houston, Tex. Catcher for swab plungers. 1,815,364; July 21.
Ricker, Norman H., assignor to Hughes Tool Company, Houston, Tex. Well pumping swab. 1,836,871; Dec. 15.
Ricker, Norman H., assignor to Hughes Tool Company, Houston, Tex. Plunger assembly for fluid pressure operated pumps. 1,836,872; Dec. 15.
Ricker, Norman H., assignor to Hughes Tool Company, Houston, Tex. Raising liquid from wells. 1,836,873; Dec. 15.
Ricker, Norman H., assignor to Hughes Tool Company, Houston, Tex. Pneumatic swab. 1,836,876; Dec. 15.
Ricker, Norman H., assignor to Hughes Tool Company, Houston, Tex. Pneumatic swab. 1,836,877; Dec. 15.
Ricketts, James R., Richmond, Calif. Valve stem straightening fixture. 1,836,041; Dec. 15.
Ricks, Fred, and A. E. Richards, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Lip turning and setting machine. 1,799,320; Apr. 7.
Ricks, Hyrum, Los Angeles, Calif. Scraper. 1,806,219; May 19.
Ricks, Hyrum, Los Angeles, assignor to Atlas Scraper Co., Bell, Calif. Scraper. 1,834,110; Dec. 1.
Ricks, Stanislaus J., and C. E. Douglas, Strand, London, England. Mechanical filter. 1,796,960; Mar. 17.
Ric-Wil Company, The. (See Gottwald, Christian, assignor.)
Ric-Wil Company, The. (See Russell, Robert H., assignor.)
Riddell, Arthur M., Los Angeles, Calif. Hand control for electric motors. 1,827,372; Oct. 13.
Riddell, Craig C., Newton, Ontario, Canada. Cigarette grasper. 1,809,218; June 9.
Riddell, John T., Evanston, Ill. Cleat and stud holder. 1,806,917; May 26.
Riddell, Leslie A., Winnipeg, Manitoba, Canada. Bread-slicing machine. 1,799,249; Apr. 7.
Riddell, W. A., Company. (See Brown, Davis, assignor.)
Riddell, W. A., Company. (See Henneuse, C. A., and Hawkins, assignors.)
Riddell, W. A., Company. (See Jersey, Niel E., assignor.)
Riddell, W. A., Company. (See Shaeffer, George D., assignor.)
Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter construction. 1,787,797; Jan. 6.
Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Exposure guide for camera shutters. 1,795,797; Mar. 10.
Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter retarding mechanism. 1,823,293; Sept. 15.
Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter setting mechanism. 1,823,294; Sept. 15.
Ridder, Thomas A., Whitman, Mass. Radiator hanger. 1,827,110; Oct. 13.
Ridderstrom, Andrew R., assignor to Prime Manufacturing Company, Lynn, Mass. Tape-applying machine. 1,794,204; Feb. 24.
Ridderstrom, Andrew R., assignor to Prime Manufacturing Company, Lynn, Mass. Cutter for tape-applying machines. 1,794,205; Feb. 24.
Riddiford, Charles E., Washington, D. C. Binder. 1,804,514; May 12.
Riddle, Aubrey. (See Thomas, L. J., and Riddle.)
Riddle, John T., Lawrence Township, Watcom County, Wash. Saw-filer's gauge. 1,788,744; Jan. 13.
Riddle, Napoleon B., St. Francisville, La. Signal window for doors of automobiles. 1,822,823; Sept. 8.
Riddle, Napoleon B., St. Francisville, La. Curb sign or marker. 1,823,843; Sept. 15.
Rideout, Arthur E. (See Kimball, W. D., and Rideout.)
Rider, Ernest G., assignor to Stokes and Smith Company, Philadelphia, Pa. Wrapper tabbing mechanism. 1,806,181; May 19.
Rider, Ernest G., assignor to Stokes and Smith Company, Philadelphia, Pa. Box wrapping mechanism. 1,826,287; Oct. 6.
Rider, Ernest G., assignor to Stokes and Smith Company, Philadelphia, Pa. Box wrapping mechanism. 1,826,435; Oct. 6.
Rider, Ernest G., assignor to Stokes and Smith Company, Philadelphia, Pa. Preparing and applying tabbed wrappers. 1,827,334; Oct. 13.
Rider, Granville S., Flushing, assignor to N. Schoenthal, New York, N. Y. Latch operating means for directory boards, etc. 1,809,804; June 9.
Rider, Granville S., Flushing, assignor to Nathan Schoenthal, New York, N. Y. Directory board for office buildings. 1,829,541; Oct. 27.
Rider, Granville S., Flushing, assignor to Nathan Schoenthal, New York, N. Y Directory board for office buildings. 1,834,423; Dec. 1.
Ridge, Alfred H. (See Davies, G., Ridge, and Royer.)
Ridge Tool Company, The. (See Thewes, William O., assignor.)
Ridgely, Anella L. (See Borgeson, Gustav, assignor.)
Ridgely, Charles T., assignor to Ridgely and Dugdale Company, Springfield, Ohio. Paper trimmer. 1,836,396; Dec. 15.
Ridgely and Dugdale Company. (See Ridgely, Charles T., assignor.)
Ridgely, Roy R., Detroit, Mich. Battery-terminal device. 1,799,442; Apr. 7.
Ridgely Trimmer Company, The. (See Galvin, Charles E., assignor.)
Ridgway, Carl E., Seattle, Wash. Container label. 1,792,511; Feb. 17.
Ridgway, Herbert N., Winthrop, Mass. Key tag. 1,794,498; Mar. 3.
Ridgway, Nelson P., Tacoma, Wash. Rotary hammer. 1,789,712; Jan. 20.
Ridgeway, Oscar H., Sacramento, Calif. Contact button for automobile horns. 1,828,785; Oct. 27.
Ridgway, William D., West Unity, Ohio. Machine for folding comb honey sections and applying foundation starters thereto. 1,837,371; Dec. 22.
Ridler, Harry C., Minneapolis, Minn. Air washer and humidifier. 1,835,812; Dec. 8.
Ridley, Albert S., Melbourne, Victoria, Australia. Peach pitting machine. 1,819,442; Aug. 18.
Rieb, Walter, Mount Vernon, assignor to Gemsco, Inc., New York, N. Y. Brief case. 1,838,869; Dec. 29.
Riebe, Theodore C., assignor to Automatic Electric Inc., Chicago, Ill. Time recording device. 1,827,208; Oct. 13.
Riebe, Theodore C., assignor to Automatic Electric Inc., Chicago, Ill. Reeling device. 1,827,262; Oct. 13.
Riebel, Frederick, jr., assignor to Air Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 1,816,156; July 28.
Rieber, Frank, San Francisco, Calif. Geological explorations. 1,827,371; Oct. 13.
Rieber, Frank, San Francisco, Calif. Method of and apparatus for locating the direction of sound. 1,836,397; Dec. 15.
Rieck, Wilhelm O. P., Hamburg, Germany. Sealing attachment for machines for applying crown corks to bottles or other containers. 1,812,804; June 30.
Riecke, Paul, Dessau, Germany. Electrically controlled opening and closing means for vertical chamber ovens. 1,831,720; Nov. 10.
Riedel, J. D., Aktiengesellschaft. (See Boedecker, Friedrich, assignor.)
Riedel, J. D.-E. de Haen Aktiengesellschaft. (See Boedecker, Friedrich, assignor.)

Riedel, Walter W., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,814,264; July 14.
Riedel, Walter W., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,827,764; Oct. 20.
Rieder, Johannes, Vohwinkel, assignor to Cosman Villbrandt & Zehnder A. G., Elberfeld, Germany. Braid and like winder. 1,800,754; Apr. 14.
Riedinger, Arthur F., St. Louis, Mo. Toilet fixture. 1,796,622; Mar. 17.
Riedl, Anton. (See Heinisch, O., and Riedl.)
Rieff, John G., London, Wis. Lawn tool. 1,800,905; Apr. 14.
Riegel, Guy E., Spokane, Wash. Radiocabinet. Des. 85,202; Sept. 22.
Riegel Paper Corporation. (See French, George F., assignor.)
Riegel, Samuel S., Scranton, Pa. Lateral-motion device. 1,789,690; Jan. 20.
Riegel, Samuel S., Scranton, Pa. Steam drier. 1,795,890; Mar. 10.
Riegel, Samuel S., Scranton, Pa. Lateral motion device for locomotives. 1,808,818; June 9.
Rieger, Emil. (See Bazlen, M., and Rieger.)
Rieger, Leonz P. A., assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Transmission shaft connection. 1,818,932; Aug. 11.
Rieger, William F., assignor, by mesne assignments, to The Stoker Matic Corporation, Salt Lake City, Utah. Retort. 1,790,840; Feb. 3.
Rieger, William F., assignor, by mesne assignments, to The Stoker Matic Corporation, Salt Lake City, Utah. Conveyer worm protective device. 1,837,069; Dec. 15.
Riegger, Constantin, assignor to Good Manufacturing Company, Inc., New York, N. Y. Faucet. 1,789,476; Jan. 20.
Riehle Bros. Testing Machine Company. (See Moran, William, assignor.)
Riehm, Wilhelm, assignor to the firm Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Internal combustion engine. 1,825,545; Sept. 29.
Riek, Monroe. (See Koelling, E., Riek, and Tiffany.)
Rieke, Irvin H., Auburn, Ind., assignor to Rieke Metal Products Corporation. Seal for bung fixtures of containers. 1,808,575; June 2.
Rieke, Irvin H., Auburn, Ind., assignor to Rieke Metal Products Corporation. Bung and sealing means. 1,808,576; June 2.
Rieke, Irvin H., Auburn, Ind., assignor to Rieke Metal Products Corporation. Bung for containers. 1,838,285; Dec. 29.
Rieke Metal Products Corporation. (See Rieke, Irvin H., assignor.)
Rieke Metal Products Corporation. (See Rieke, Theodore W., assignor.)
Rieke, Theodore W., Auburn, Ind., assignor to Rieke Metal Products Corporation. Bung fixture for barrels. 1,803,303; Apr. 28.
Rieke, Theodore W., assignor to Rieke Metal Products Corporation, Auburn, Ind. Barrel. 1,833,306; Nov. 24.
Riemann, Otto, Wellingsbuttel, Germany. Apparatus for separating starch from starch-containing matter by washing out the latter. 1,798,811; Mar. 31.
Riemenschneider, Edmund W. (See Frahm, C. A., and Riemenschneider.)
Riemenschneider, Edmund W., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Tapered tubular poles. 1,821,850; Sept. 1.
Riemenschneider, Edmund W., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Tubular pole. 1,834,535; Dec. 1.
Riemenschneider, Ernest, assignor to The Midland Steel Products Company, Cleveland, Ohio. Welding metal tubing. 1,810,112; June 16.
Riemenschneider, Ernest, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Welding machine. 1,816,231; July 28.
Ries, Henry J., Iowa City, Iowa. Gravity right-of-way traffic signal. 1,793,416; Feb. 17.
Ries, Lewis B., Donora, and J. B. Dickerson, Monongahela, Pa. Plumb level. 1,820,365; Aug. 25.
Ries, Warren E., and J. Rey, Meadville, Pa. Pliers. 1,800,317; Apr. 14.
Riesche, Louis H., Chicago, Ill. Collapsible table. 1,809,866; June 16.
Riese, Heinrich, Zurich, Switzerland. Dynamo electric machine. 1,821,405; Sept. 1.
Riesen, A. M. et al. (See Hargreaves, Robert H., assignor.)
Riesenfeld, Franz. (See Ostersetzer, A., and Riesenfeld.)
Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Coated bituminous substance and making same. 1,788,250; Jan. 6.
Riesman, Joseph G., et al. (See Riesman, Joseph G., assignor.)
Riesman, Joseph G., assignor to P. Riesman and J. G. Riesman, Chelsea, and M. Riesman, Cambridge, Mass., a copartnership doing business as Royal Electric Company. Fuse. 1,798,169; Mar. 31.
Riesman, Myer, et al. (See Riesman, Joseph G., assignor.)
Riesman, Philip, et al. (See Riesman, Joseph G., assignor.)
Riesner, Michael, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Variable capacity compressor. 1,812,607; June 30.
Riesner, Michael, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Compressor unloading device. 1,833,093; Nov. 24.
Riess, Gustav, Schenkenhorst, Germany. Headlight for vehicles. 1,789,193; Jan. 13.
Riesz, Robert R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artificial larynx. 1,836,816; Dec. 15.
Rietmann, John A., Roslyn, and A. Radics, Farmingdale, assignors to Amplex Engineering Corporation, New York, N. Y. Wire tying machine. 1,814,188; July 14.
Rife, Mervin O., and W. P. Capps, assignors to Gulf Refining Company of Louisiana, Shreveport, La. Well tester. 1,787,838; Jan. 6.
Rife, William H., Chicago, Ill. Duplex envelope. 1,793,249; Feb. 17.
Rife, William H., Chicago, Ill. Method and mechanism for making envelopes. 1,796,723; Mar. 17.
Rife, William H., Chicago, Ill. Producing window envelopes. 1,799,865; Apr. 7.
Rigali John E., assignor to Daprato Statuary Company, Chicago, Ill. Device for designating a place of worship. Des. 84,162; May 12.
Rigali, John E., assignor to Daprato Statuary Company, Chicago, Ill. Speaker unit and support therefor. 1,934,741; Dec. 1.
Rigaux, Gaston, Jumet, Belgium. Mechanical brick press. 1,820,366; Aug. 25.
Rigby, Albert, assignor to Gilt Edge Silk Mills of New Jersey, Inc., Paterson, N. J. Stop motion for looms. 1,799,250; Apr. 7.
Rigby, Clark F., Butler, Pa. Head device for sand pumps and bailers. 1,821,479; Sept. 1.
Rigby, Clark F., Butler, Pa. Combination sand pump and bailer. 1,832,323; Nov. 17.
Rigby, Clark F., assignor to W. H. Larkin, jr., Butler, Pa. Oil saver. 1,796,724; Mar. 17.
Rigby, Grant W., Pittsburgh, Pa. Vehicle brake. 1,808,819; June 9.
Rigdon, Edward L., Barlow, and J. S. Risley, Milwaukee, assignors to Clyde Equipment Company, Portland, Oreg. Shaker screen. 1,789,433; Mar. 31.
Riggle, George Merrick, West Los Angeles, Calif. Lamp stand. Des. 85,545; Nov. 10.
Riggs, James A., South Bend, Ind. Defreezing windshield wiper. 1,833,307; Nov. 24.
Riggle, Leo J., Monroe, Wis. Apparatus for developing photographic negatives. 1,810,790; June 16.
Riggs, Arthur E., Sapulpa, Okla. Valve seat lapping machine. 1,806,918; May 26.
Riggs, Greeley R., Austin, Tex. Adjustable bracket for boxes. 1,812,756; June 30.
Riggs, Greeley R., and C. F. Spreen, Austin, Tex. Electrical outlet box support. 1,818,814; Aug. 11.
Riggs, Herbert E. (See Wetmore, L., and Riggs.)
Riggs, John D., Indianapolis, Ind. Balanced-belt drive. 1,791,379; Feb. 3.
Riggs, Leland W., Schenectady, N. Y., assignor to General Electric Company. Synchronous motor. 1,828,578; Oct. 20.
Riggs Optical Company-Consolidated. (See Copeland, Jacob, assignor.)
Right-Way Brake Tester Company. (See Rettig, O. F., and West, assignors.)
Rightway Corporation, The. (See Webb, Arthur B., assignor.)
Rigler, Richard W. (See Elmore, G. H., and Rigler.)
Rigler, Richard W., Philadelphia, Pa. Washer. 1,824,688; Sept. 22.
Rigotti, Carlo, Turin, Italy. Pneumatic spring. 1,818,357; Aug. 11.
Riha, Henry J., assignor to Swift & Co., Chicago, Ill. Meat package and forming same. 1,813,769; July 7.
Riise, John, Doylestown, Ohio. Rear axle construction. 1,824,793; Sept. 29.
Rike Folding Box Company, The. (See Klin, John R., assignor.)
Rike, Frederick F., and W. P. Huffman, assignors to Buckeye Iron and Brass Works, Dayton, Ohio. Valve. 1,808,074; June 2.
Rike, Howard A., Norphlet, Ark. Valve. 1,837,676; Dec. 22.
Riker Company, The. (See Riker, Samuel M., assignor.)
Riker Company, The. (See Whitehouse, Herbert G., assignor.)
Riker, Samuel M., Chester, N. J. Shoe fastener. Des. 83,174; Jan. 27.
Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 83,213; Feb. 3.
Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 83,214; Feb. 3.
Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 83,644; Mar. 10.
Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 83,645; Mar. 10.
Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 83,912; Apr. 14.
Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 83,913; Apr. 14.
Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 83,914; Apr. 14.

Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 83,915; Apr. 14.
Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 83,916; Apr. 14.
Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 83,917; Apr. 14.
Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 83,918; Apr. 14.
Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 83,919; Apr. 14.
Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 83,920; Apr. 14.
Riker, Samuel M., Chester, N. J. Shoe ornament. Des. 84,102; May 5.
Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 84,103; May 5.
Riker, Samuel M., Chester, N. J. Shoe ornament. Des. 84,956; Aug. 25.
Riker, Samuel M., Chester, N. J. Shoe ornament. Des. 85,346; Oct. 13.
Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 85,347; Oct. 13.
Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 85,597; Nov. 17.
Riker, Samuel M., Chester, N. J. Shoe buckle. Des. 85,598; Nov. 17.
Riker, Samuel M., Chester, N. J. Shoe buckle. 1,836,683; Dec. 15.
Riker, Samuel M., Chester, N. J., assignor to The Riker Company. Shoe buckle. Des. 83,921; Apr. 14.
Riker, Samuel M., Chester, N. J., assignor to The Riker Company. Shoe ornament. Des. 84,101; May 5.
Rikli-Kehlstadt, Hans, Zurich, Switzerland. Exposure meter for photographic purposes. 1,800,644; Apr. 14.
Riley, Allan, Coventry, England. Bonnet and scuttle for motor vehicles. 1,794,323; Feb. 24.
Riley, Champlain L., North Plainfield, N. J. Nebulizing fluids. 1,823,844; Sept. 15.
Riley, Champlain L., North Plainfield, N. J., assignor to Industrial Associates, Incorporated, New York, N. Y. Nebulizer. 1,825,546; Sept. 29.
Riley, Frank W., Pensacola, Fla. Score pad holder. 1,829,455; Oct. 27.
Riley, Frederic E., assignor to Record Foundry & Machine Co., Livermore Falls, Me. Lubricated valve. 1,798,498; Mar. 31.
Riley, George, Los Angeles, Calif. Internal combustion engine. 1,813,258; July 7.
Riley, George H., Dorchester, Mass. Sanding device for automobiles. 1,832,581; Nov. 17.
Riley, George W., Albany, Calif. Fastening device. 1,830,445; Nov. 3.
Riley, Gerald A., Los Angeles, Calif. License plate holder and protector. 1,820,092; Aug. 25.
Riley, James A., Johnson City, Tenn. Reel. 1,812,805; June 30.
Riley, Katharine H., executrix. (See Riley, Robert S.)
Riley, Ralph E., Akron, Ohio, assignor, by mesne assignments, to Miller Rubber Company, Inc., Wilmington, Del. Overshoe and making the same. 1,803,559; May 5.
Riley, Ralph E., Akron, Ohio, assignor, by mesne assignments, to Miller Rubber Company, Inc., Wilmington, Del. Rubber footwear. 1,834,551; Dec. 1.
Riley, Robert S., Worcester, Mass., assignor, by mesne assignments, to The Air Preheater Corporation, New York, N. Y. Furnace heat exchange apparatus. 1,820,199; Aug. 25.
Riley, Robert S., deceased, Worcester, Mass., by K. H. Riley, executrix, assignor to Riley Stoker Corporation, Worcester, Mass. Underfeed stoker. 1,837,729; Dec. 22.
Riley, Robert S., and O. Craig, assignors to Riley Stoker Corporation, Worcester, Mass. Pulverizing apparatus. 1,811,438; June 23.
Riley Stoker Corporation. (See Andrews, L. V., and Craig, assignors.)
Riley Stoker Corporation. (See Daniels, Fred H., assignor.)
Riley Stoker Corporation. (See Dolan, Frederick J., assignor.)
Riley Stoker Corporation. (See Rich, Carl H., assignor.)
Riley Stoker Corporation. (See Riley, Robert S., assignor.)
Riley Stoker Corporation. (See Riley, R. S., and Craig, assignors.)
Riley Stoker Corporation. (See Snow, Alexander I., assignor.)
Riley, William H., assignor to Remington Machine Company, Wilmington, Del. Valve mechanism for fluid compressors. 1,799,704; Apr. 7.
Riley, William J., Allston, Mass. Arch supporter. 1,832,659; Nov. 17.
Rimailho, Emile, Paris, France. Elastic wheel with flexible rim. 1,810,854; June 16.
Riman, Steve, et al. (See Miller, Alexander, assignor.)
Rimberg, Alexander, Brooklyn, N. Y. Lamp. Des. 84,301; June 2.
Rimedio, James E., Dover, Ohio. Plant spraying apparatus. 1829,298; Oct. 27.
Rimele, William T., West Palm Beach, Fla. Dual-meter testing machine. 1,792,870; Feb. 17.
Rimmer, Chester A., Malden, Mass., assignor to Jacrim Manufacturing Company, Boston, Mass. Toy power boat. Des. 83,215; Feb. 3.
Rinaldi, John. (See Sala, Adrian, assignor.)
Rinderspacher, Emilio, R. Bergara, and C. Bergara, Buenos Aires, Argentina. Electric heater for liquids. 1,805,885; May 19.
Rinehardt, Frank M., Badin, N. C. Combination toilet-rack. 1,831,509; Nov. 10.
Rinehart, Cecil H., Bristow, Okla. Nonfreezing water fountain. 1,821,724; Sept. 1.
Rinehart, Cecil H., Bristow, Okla. Hose support and elevator. 1,821,725; Sept. 1.
Rinehart, Evan, Port Washington, C. L. Day, Hartsdale, N. Y., and J. H. McManus, East Portchester, Conn., assignors to Johns-Manville Corporation, New York, N. Y. Electrical cell and compartment structure. 1,835,524; Dec. 8.
Rinehart, Harvey M., Knoxville, Ill. Animal restraining device. 1,833,759; Nov. 24.
Riney, Arthur H., and L. T. Gibbs, assignors to Phillips Petroleum Company, Bartlesville, Okla. Pipe line controlling means. 1,803,437; May 5.
Ring, Andrew D., Schenectady, N. Y., assignor to General Electric Company. Neutralizing device for vacuum tubes. 1,820,832; Aug. 25.
Ring, Andrew D., Washington, D. C., assignor to General Electric Company. Testing instrument for transmitters. 1,820,833; Aug. 25.
Ring, Edward J. (See Nestor, Leonard, assignor.)
Ring, Frederick G., New York, N. Y., assignor to Petroleum Derivative Incorporated, Maine. Distillation apparatus. 1,802,274; Apr. 21.
Ring, Joseph J., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic turbine. 1,792,761; Feb. 17.
Ring, Joseph J., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic machine. 1,823,702; Sept. 15.
Ring, Paul, Detroit, Mich. Headlight. 1,799,321; Apr. 7.
Ringau, Wilhelm, Bremen, Germany. Transportable grinding machine. 1,798,224; Mar. 31.
Ringel, Abraham, Brooklyn, N. Y., assignor to Radio Corporation of America. Loud speaker. 1,823,512; Sept. 15.
Ringenberg, Rudolph W., assignor to Scovill Manufacturing Company, Waterbury, Conn. Sifter top for powder cans. 1,796,122; Mar. 10.
Ringer, Luther. (See Geldhof, P. E., and Ringer.)
Ringfeder G. m. b. H. (See Held, Theodor, assignor.)
Ringl, Alois, Vienna, Austria. Dough shaping implement. 1,834,474; Dec. 1.
Ringle, Robert F., Zelienople, Pa. Molding machine. 1,793,012; Feb. 17.
Ringle, Robert F., Zelienople, Pa. Flask-supporting means for turnover devices. 1,796,305; Mar. 17.
Ringle, Robert F., Zelienople, Pa. Regulating valve. 1,797,297; Mar. 24.
Ringle, Robert F., Zelienople, Pa. Molding machine. 1,803,406; May 5.
Ringler, William A., Philadelphia, assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Drinking cup. 1,816,547; July 28.
Rings, Josef, Hansahaus, Essen, Germany. Multistoried building. 1,802,068; Apr. 21.
Ringwald, Clarence, North Hampton, Ohio, assignor to Eclipse Machine Company, Elmira Heights, N. Y. Drive for engine starters. Re18,164; Aug. 25.
Ringwald, Clarence, North Hampton, assignor to Robbins & Myers, Inc., Springfield, Ohio. Brush holder. 1,792,244; Feb. 10.
Ringwald, Clarence, North Hampton, assignor to Robbins & Myers, Inc., Springfield, Ohio. Electric fan. 1,805,105; May 12.
Ringwald, Clarence, North Hampton, assignor to Robbins & Myers, Inc., Springfield, Ohio. Support lock for electric fans. 1,814,854; July 14.
Rinkel, Otto, Karlsruhe, Germany. Projectile for small arms. 1,833,127; Nov. 24.
Rinne, Allan, Orr, Minn. Acceleration control. 1,807,706; June 2.
Rinne, Richard, Tacoma, and M. L. Appel, Sumner, Wash. Adapter for pressure gauges. 1,799,832; Apr. 7.
Rinsche, Frank C., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 1,802,927; Apr. 28.
Rintelman, William L., Milwaukee, Wis., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Anthraquinone bodies and preparing the same. 1,837,837; Dec. 22.
Rip Van Winkle Wall Bed Company. (See Sinclair, Neil, assignor.)
Ripberger, Alexander G., Philo, Ohio. Method of and apparatus for charging electric furnaces. 1,812,118; June 30.
Ripin, Maurice B., assignor to United States Woven Label Company, New York, N. Y. Fabric label and the like. 1,835,084; Dec. 8.
Ripke, Otto, Elberfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Fertilizer obtainable by heating ammonium thiocyanate. 1,793,133; Feb. 17.
Ripley, Charles T., assignor to S. & T. Metal Company, Chicago, Ill. Journal-box dust guard. 1,788,494; Jan. 13.
Ripley, George A. (See Hutchison, Delbert T., assignor.)

Ripley, Perry C., assignor to Kester Solder Company, Chicago, Ill. Method of and apparatus for treating flux core solder. 1,796,163; Mar. 10.
Rippe, Emil W., Ohiowa, Nebr. Wire roller. 1,809,490; June 9.
Ripper, Adam, Corydon, Iowa. Making sewing needles. 1,801,691; Apr. 21.
Ripper, Kurt, Berlin, Germany. Molding composition. 1,812,374; June 30.
Ripper, Kurt, Vienna, Austria, assignor, by mesne assignments, to Pollopus Limited, Nottingham, England. Treatment of condensation products of carbamide or its derivatives with aldehydes. 1,817,931; Aug. 11.
Ripper, Kurt, Vienna, Austria, assignor, by mesne assignments, to Pollapas Limited, Nottingham, England. Treatment of condensation products of carbamide or its derivatives with aldehydes. 1,817,940; Aug. 11.
Ripper, Kurt, Vienna, Austria, assignor, by mesne assignments, to Synthetic Plastics Company, Incorporated, New York, N. Y. Manufacturing hydrophobe resins by condensation of urea with aldehydes. 1,833,868; Nov. 24.
Rippey, Hugh F. (See Laucks, I. F., Banks, Davidson, Rippey, and Cone.)
Rippey, Hugh F., C. N. Cone, G. Davidson, I. F. Laucks, and H. P. Banks, Seattle, Wash. Making a water resistant, animal protein adhesive, and the product thereof. 1,814,768; July 14.
Rippl, Francis J., and T. J. Wood, Cleveland Heights, Ohio. Mechanical toy. 1,832,740; Nov. 17.
Ris, Kenneth B., Dallas, Tex., assignor to The Griscom-Russell Company, New York, N. Y. Heat exchanger. 1,798,354; Mar. 31.
Risberg, Johannes V. M., Sodertelje, Sweden, assignor to Aktiebolaget Baltic, Stockholm, Sweden. Ball-bearing spindle. 1,787.548; Jan. 6.
Risdon, John J., assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Method and apparatus for making photographic prints. 1,807,047; May 26.
Rishel, Charles J., Johnstown, Pa. Clock holder. 1,792,186; Feb. 10.
Risk, Loren, Minneapolis, Minn. Tire charging air pump. 1,811,647; June 23.
Risk, Thomas J., assignor to Easton and Burnham Machine Company, Pawtucket, R. I. Spindle-lift stop. 1,795,576; Mar. 10.
Risler Corporation of America. (See Risler, Jacques, assignor.)
Risler, Jacques, Paris, France, assignor to Risler Corporation of America, Kansas City, Mo. Luminous electrical discharge tube. 1,793.720; Feb. 24.
Risley, Jacob S. (See Rigdon, E. L., and Risley.)
Risse, Felix, Hochst-on-the-Main, H. E. Wohlers, Wiesbaden, and M. Paquin, Koenigstein-on-the-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Pigment dyes and making same. 1,832,242; Nov. 17.
Risselt, Frank C. (See Johnson, S. A., and Risselt.)
Risser Arthur I., assignor to U. S. Bottlers Machinery Co., Chicago, Ill. Cork feeder. 1,807,673; June 2.
Risser, Arthur I., assignor to U. S. Bottlers Machinery Company, Chicago, Ill. Bottle capping machine for flexible caps. 1,831,883; Nov. 17.
Risser, Arthur I., assignor to U. S. Bottlers Machinery Co., Chicago, Ill. Bottle corking machine. 1,835,334; Dec. 8.
Risser, Arthur I., assignor to U. S. Bottlers Machinery Co., Chicago, Ill. Bottle capping machine. 1,835,335; Dec. 8.
Risser, Arthur I., assignor to U. S. Bottlers Machinery Company, Chicago, Ill. Bottle capsuling machine 1,835,336; Dec. 8.
Rist, Adolf, Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,835,183; Dec. 8.
Ristow, Alfred, Berlin-New Cologne, Germany. Radio receiving system. 1,837,999; Dec. 22.
Rit Products Corporation. (See Kritchevsky, Wolf, assignor.)
Rit Products Corporation. (See Kritchevsky, W., and Prutsman, assignors.)
Ritchey, John P. (See Kiefer, R. F., Ritchey, and Farroll.)
Ritchie, Charles F. (See Allen, W. H., Gale, and Ritchie.)
Ritchie, Charles F. (See Burke, W. E., Ritchie, and Peet.)
Ritchie, Charles F. (See Macdonald, F., Allen, Ritchie, and Manchee.)
Ritchie, Francis L., North Middletown, Ky. Gate. 1,835,430; Dec. 8.
Ritchie, John, New Deer, Aberdeen, Scotland. Moving target. 1,788,889; Jan. 13.
Ritchie Manufacturing Company. (See Ritchie, Thomas, assignor.)
Ritchie, Thomas, assignor to Ritchie Manufacturing Company, Marshalltown, Iowa. Float valve construction. 1,832,243; Nov. 17.
Rite-Hete Manufacturing Corporation. (See Gerhardt, John, assignor.)
Rittenhouse, Arthur E., Honeoye Falls, N. Y. Electric motor. 1,827,690; Oct. 13.
Riter-Conley Manufacturing Company. (See Hill, Harold O., assignor.)
Riter-Conley Manufacturing Company. (See Overholtz, George D., assignor.)
Rithner, Henry, Wellsburg, W. Va. Lamp shade or similar article. Des. 84,104; May 5.
Ritnour, Luther C., Natchez, Miss. Steering rod brake for automobiles. 1,823,765; Sept. 15.
Ritscher, Arthur, Dresden-Laubegast, assignor to United Cigarette Machine Company, Aktiengesellschaft, Dresden, Germany. Apparatus for use with packing machines for feeding and adjusting cigarettes. 1,809,219; June 9.
Rittberger, William H., Granite City, Ill. Sausage and roll heater. 1,809,867; June 16.
Rittenhouse, Arthur E., Honeoye Falls, N. Y. Toy. 1,819,483; Aug. 18.
Ritter, Adolf, Vienna, and O. Plechl, Pfaffstatten, Austria. Remote supervisory control system. 1,816,496; July 28.
Ritter, Adolph L., Siften, Wash. Cultivator and weeder. 1,831,686; Nov. 10.
Ritter, Alois A., assignor to Hartmann Trunk Company, Racine, Wis. Textile fabric. Des. 85,056; Sept. 8.
Ritter, Carl C., and H. M. Williams, assignors to Frigidaire Corporation, Dayton, Ohio. Manufacturing process. 1,818,008; Aug. 11.
Ritter Chemical Company. (See Pensel, G. R., and Friestedt, assignors.)
Ritter Dental Manufacturing Company. (See May, Adam J., assignor.)
Ritter Dental Manufacturing Company. (See Moore, Clarence W., assignor.)
Ritter, Emil C., Rahway, N. J., assignor to F. A. D. Andrea, Inc., New York, N. Y. Radio receiving apparatus cabinet. Des. 83,126; Jan. 20.
Ritter, Emil W., assignor, by mesne assignments, to Burke Stoker & Mfg. Co., Chicago, Ill. Stoker. 1,808,479; June 2,
Ritter, John C., Norwood, Pa., assignor to Westinghouse Electrode & Manufacturing Company. Welding electrode. 1,794,983; Mar. 3.
Ritter, John C. L., jr., Washington, D. C. Landing and launching mechanism for aircraft. 1,796,876; Mar. 17.
Ritter, John G., Norwood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Earth boring system. 1,807,048; May 26.
Ritter, John H., Charleroi, Pa. Glass furnace charging apparatus. 1,810,730; June 16.
Ritter, John H. and J. J., Seattle, Wash. Electrochemical converter. 1,810,295; June 16.
Ritter, John J. (See Ritter, John H. and J. J.)
Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Wardrobe case. 1,796,961; Mar. 17.
Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Wardrobe-container disengageable hinge. 1.796,962; Mar. 17.
Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Wardrobe case. 1,799,251; Apr. 7.
Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Trunk curtain and laundry bag. 1,804,030; May 5.
Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Wardrobe trunk. 1,804,031; May 5.
Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Wardrobe case with foldable garment support. 1,813,955; July 14.
Ritter, Julius, jr., assignor to Hartman Trunk Company, Racine, Wis. Foldable wardrobe case. 1,814,336; July 14.
Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Trunk and suitcase valances. 1,818,754; Aug. 11.
Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Wardrobe hatbox. 1,827,542; Oct. 13.
Ritter, Nathan., Brooklyn, N. Y. Safety child harness. 1,816,262; July 28.
Ritter, Paul G., et al. (See Stenzel, Amos E., assignor.)
Ritter, William C., assignor to Long Manufacturing Company, Detroit, Mich. Radiator assembling apparatus. 1,836,619; Dec. 15.
Rittmann, George J., Trenton, N. J. Sander. 1,794,032; Feb. 24.
Ritz Woller, Oliver C., Chicago, Ill. Accelerator pedal. 1,829,028; Oct. 27.
Ritz Woller, Oliver C., Chicago, Ill. Cigarette case. 1,830,583; Nov. 3.
Ritz Woller, Oliver C., Chicago, Ill. Automobile protection plate. 1,835,188; Dec. 8.
Ritzel, Willis J., Pasadena, Calif. Elongated tablet package and wrapping. 1,805,417; May 12.
Ritzel, Willis J., Pasadena, Calif. Elongated tablet package and wrapping. 1,805,419; May 12.
Ritzerfeld, Wilhelm, Berlin, Germany. Duplicating method. 1,795,378; Mar. 10.
Ritzerfeld, Wilhelm, Berlin, Germany. Duplicating apparatus. 1,837,336; Dec. 22.
Ritzman, Donald. (See Ritzman, F., and D.)
Ritzman, Frank, and D. Ritzman, Chicago, Ill. Crate. 1,812,900; July 7.
Rival, Théophile, Gent, Belgium. Weighing machine. 1,833.263; Nov. 24.
Rivas, Charles A., St. Louis, Mo. Shoe and making same. 1,825,206; Sept. 29.
Rivat, George, Paterson, N. J., and C. Dreyfus, New York, N. Y., assignors to Celanese Corporation of America. Treating fabrics. 1,818,505; Aug. 11.
Rivers, Daniel W. (See Rivers, Frank, and D. W.)
Rivers, Frank and D. W., Soldier, Ky. Traction attachment for wheels. 1,822,748; Sept. 8.

Riverside Cement Company. (See Knapp, Robert T., assignor.)
Rives, Logan, Los Angeles, Calif. Musical wind instrument. 1,814,456; July 14.
Rives, Tom C., New Haven, Conn. Apparatus for and method of exciting electrical oscillations. 1,805,187; May 12.
Riviere, Albert S., assignor to Union Special Machine Company, Chicago, Ill. Machine for trimming and hemming fabric sections. 1,807,552; May 26.
Riviere, Albert S., assignor to Union Special Machine Company, Chicago, Ill. Presser foot for sewing machines. 1,820,496; Aug. 25.
Riviere, Albert S., assignor to Union Special Machine Company, Chicago, Ill. Tufted fabric and making the same. 1,827,614; Oct. 13.
Riviere, Albert S., and C. F. Rubel, assignors to Union Special Machine Company, Chicago, Ill. Flat seam sewing machine. 1,827,613; Oct. 13.
Riviere, Marie L., Paris, France. Folding safety razor. 1,791,428; Feb. 3.
Riviere, Marie-L., Paris, France. Safety razor. 1,799,569; Apr. 7.
Rivington, John A., Carp, Ontario, Canada. Divider for mowing machines. 1,792,607; Feb. 17.
Rivkin, Menahem, Philadelphia, Pa. Locomotive ash conveyer and collector. 1,790,768; Feb. 3.
Rivkin, Menaham, Philadelphia, Pa. Four-wheel radial truck. 1,816,746; July 28.
Rivkin, Menahem, Philadelphia, Pa. Throttle valve construction. 1,834,868; Dec. 1.
Rix, Austin J., San Francisco, Calif. Air compressor. 1,819,691; Aug. 18.
Rixson, Oscar C., Company, The. (See Garrison, Forrest C., assignor.)
Rizer, Conrad K., New York, N. Y. Headlight. 1,805,886; May 19.
Roach-Appleton Manufacturing Company. (See Appleton, Ernst G., assignor.)
Roach-Appleton Manufacturing Company. (See Banfield, Harry S., assignor.)
Roach-Appleton Manufacturing Company. (See Newman, C., and Appleton, assignors.)
Roach-Appleton Manufacturing Company. (See Williams, C., and Appleton, assignors.)
Roach, Arthur M. (See Blair, R. B., and Roach.)
Roach, Burtus U., Bronson, Mich. Fishing line reel. 1,827,488; Oct. 13.
Roach, Henry D., Minneapolis, Minn. Automatic sash operator. 1,822,504; Sept. 8.
Roach, Jack. (See Droddy, Harrison, assignor.)
Roach, Thomas W., Seattle, Wash. Saw filing guide. 1,833,337; Nov. 24.
Roach, Thomas W., Seattle, Wash. Saw filing guide. 1,833,338; Nov. 24.
Roads Colloidal, Limited. (See Symons, Harry L., assignor.)
Roalfe, George A. (See McMillan, Milton, and R. S. MacMillan, assignors.)
Roane, Robert R., Brooklyn, N. Y., assignor to Walsh-Bugbee Co., Inc., Trenton, N. J. Aircraft landing. 1,798,851; Mar. 31.
Roantree, Thomas C. (See Kempton, W. H., and Roantree.)
Roark, Ernest O., assignor of one-fourth to C. M. O'Shaughnessy, Kansas City, Mo. Drum beater. 1,810,731; June 16.
Roark, John E., Shreveport, La. Well pump equipment. 1,801,209; Apr. 14.
Roark, Robert H., Waco, assignor, by mesne assignments, to The General Ice Scoring Machine Company, Dallas, Tex. Scoring ice by fluid pressure. 1,805,296; May 12.
Roark, Ruric C., and R. T. Cotton, Washington, D. C., assignors to the Government and the People of the United States of America. Material for killing insects. 1,789,322; Jan. 20.
Roark, Ruric C., and R. T. Cotton, Washington, D. C., assignors to the Government and the People of the United States of America. Insecticide and fumigant. 1,791,429; Feb. 3.
Robarge, Alexander C., et al. (See Clark, Arthur G., assignor.)
Robb, Frank M., Belleville, Ontario, Canada. Television. 1,801,756; Apr. 21.
Robb, John F. (See Harris, Wallace R., assignor.)
Robb, John F., Cleveland Heights, Ohio, assignor to Koehring Company, Milwaukee, Wis. Truck mixer. 1,797,242; Mar. 24.
Robb, John F., Cleveland Heights, Ohio, assignor to Koehring Company, Milwaukee, Wis. Truck mix meter. 1,805,373; May 12.
Robb, John F., Cleveland Heights, Ohio, assignor to Koehring Company, Milwaukee, Wis. Truck mix meter for tiltable trucks. 1,824,625; Sept. 22.
Robb, Robert E., Evansville, Ind. Moisture meter for concrete aggregate. 1,802,535; Apr. 28.
Robbel, Guenther. (See Koppe, P., and Robbel.)
Robbennolt, Floyd E., Saginaw, Mich. Gas compressor. 1,800,570; Apr. 14.
Robberson, Benjamin C., Imperial, Calif. Signaling device. 1,788,327; Jan. 6.
Robbins, Azor D., New York, N. Y., assignor, by mesne assignments, to Mechanical Development Corporation of America. Friction disk. 1,808,511; June 2.
Robbins, Azor D., New Brunswick, N. J., assignor to International Motor Company, New York, N. Y. Self-locking differential. 1,836,684; Dec. 15.
Robbins, Azor D., New Brunswick, N. J., assignor to International Motor Company, New York, N. Y. Bearing support for driving axles. 1,835,525; Dec. 8.
Robbins, Charles E., Santa Cruz, Calif. Vine supporting device. 1,824,689; Sept. 22.
Robbins, Charles F., Glenora, N. Y. Carburetor. 1,793,250; Feb. 17.
Robbins, Charles F., Glenora, N. Y. Carburetor. 1,830,562; Nov. 3.
Robbins, Charles W., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Industrial truck. 1,827,209; Oct. 13.
Robbins Company, The. (See Nelson, Olof, assignor.)
Robbins, David. (See Mitchell, Irving L., assignor.)
Robbins, Duane L., Sacred Heart, Minn. Oil can. 1,821,480; Sept. 1.
Robbins, Ford, assignor to Ford Robbins, Incorporated, Minneapolis, Minn. Instrument for obtaining dynamically-symmetrical ratios. 1,790,074; Jan. 27.
Robbins, Ford, Incorporated. (See Robbins, Ford, assignor.)
Robbins, Frank D., Newberg, Oreg. Drier. 1,813,680; July 7.
Robbins, Harold V., and J. O'Connell, New York, N. Y. Burglar alarm system. 1,818,162; Aug. 11.
Robbins, Henry F., Cottage Grove, Tenn. Bottle vending machine. 1,803,146; Apr. 28.
Robbins, Hugh P., Chicago, Ill. Intermediate cane carrier. 1,794,491; Mar. 3.
Robbins, Hugh P., Chicago, Ill. Belt conveyer idler. 1,838,190; Dec. 29.
Robbins, John A., Lawrenceville, Ill. Instrument for detecting irregularities in the bores of pipes and the like. 1,805,343; May 12.
Robbins, Maurice, Boston, Mass. Collar. 1,816,699; July 28.
Robbins & Meyers, Inc. (See Schirmer, Carl E., assignor.)
Robbins & Myers, Inc. (See Hiss, Fielder I., assignor.)
Robbins & Myers, Inc. (See Ringwald, Clarence, assignor.)
Robbins & Myers, Inc. (See Seaman, Frank F., assignor.)
Robbins, Percy A., Highland Park, Ill. Sound-reproducing mechanism. 1,799,322; Apr. 7.
Robbins, Percy A., Highland Park, Ill. Sound reproducing mechanism. 1,803,038; Apr. 28.
Robbins, Robert W., Houston, Tex. Tombstone. Des. 83,061; Jan. 13.
Robbins, William A. (See Palenske, F. C., and Robbins.)
Robbins, William H., Springfield, assignor to The Williams Company, London, Ohio. Steel wool pad. 1,807,136; May 26.
Robbins, William H., Springfield, assignor to The Williams Company, London, Ohio. Steel wool pad and holder. 1,807,137; May 26.
Robbins, William H., Springfield, and H. A. Toulmin, jr., Dayton, assignors to The Williams Company, London, Ohio. Steel wool filter. 1,814,855; July 14.
Robbins, William H., and R. F. Boehler, jr., Springfield, assignors to The Williams Company, London, Ohio. Take-off mechanism for wire cutting machines. 1,829,456; Oct. 27.
Robe, Walten B., Towson, Md. Chill for sand molds. 1,833,128; Nov. 24.
Robe, Walten B., Towson, Md. Mold. 1,834,290; Dec. 1.
Robellard, Joseph, New York Mills, N. Y., assignor to Draper Corporation, Hopedale, Mass. Let-back mechanism for looms. 1,794,420; Mar. 3.
Roben, Semen D., Moscow, Union of Socialist Soviet Republics. Method and device for voice culture. 1,806,919; May 26.
Roberds, Garfield A., assignor of one-half to J. Feldman, Olathe, Kans. Cycle driving mechanism. 1,798,383; Mar. 31.
Roberds, Garfield A., assignor of one-half to J. Feldman, Olathe, Kans. Cycle driving apparatus. 1,798,384; Mar. 31.
Roberge, Omer, Sorel, Quebec, assignor to Ulric La Garde, Montreal, Canada. Combined perfumer and disinfector. 1,799,252; Apr. 7.
Roberson, Harvey D., et al. (See Gray, H. P., Jones, and Roberson.)
Robert, Florent E., assignor to Stewart-Warner Corporation, Chicago, Ill. Electrically governed carburetor. 1,835,615; Dec. 8.
Robert, John, Chicago, Ill., assignor to The Barrett Company, Winding device. 1,798,630; Mar. 31.
Roberti Bros. (See Lofman, Charles, assignor.)
Roberti, Dario, Springfield, Mass. Combination lock. 1,811,563; June 23.
Roberts Aircraft Corporation. (See Roberts, Charles H., assignor.)
Roberts, Albert O., Dearborn, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Oven system. 1,817,209; Aug. 4.
Roberts, Albert O., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Rim feed for wheel assembly machines. 1,819,622; Aug. 18.
Roberts, Antone J. (See Silva, Manuel S., assignor.)
Roberts, Antone J. (See Silva, M. S., and Roberts.)
Roberts, Arthur S., Hendersonville, N. C. Cross-dyeing fabrics. 1,812,554; June 30.
Roberts, Arthur S., Hendersonville, N. C. Cross-dyeing fabrics. 1,812,555; June 30.

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Roberts, Arthur S., Hendersonville, N. C. Cross-dyeing fabrics. 1,812,557; June 30.
Roberts, Ben H., Cordele, Ga. Shelling machine. 1,827,168; Oct. 13.
Roberts, Benjamin H., and E. Gach, Chicago, Ill., assignor to Bird & Son, Inc., East Walpole, Mass. Building strip and construction. 1,826,674; Oct. 6.
Roberts, Benjamin T., assignor to Illinois Cosmetics Co., Chicago, Ill. Bottle. Des. 84,163; May 12.
Roberts Brass Manufacturing Company. (See Roberts, Earl W., assignor.)
Roberts Brothers. (See Sherer, Frank G., assignor.)
Roberts, Carl J., Tacoma, Wash. Automatic glue-drying rack. 1,799,135; Mar. 31.
Roberts, Charles. (See Bauer, C. H., and Roberts.)
Roberts, Charles, New York, N. Y. Display mechanism. 1,806,985; May 26.
Roberts, Charles, New York, N. Y., assignor to H. Bohn, Dayton, Ohio. Clothes wringer. 1,820,032; Aug. 25.
Roberts, Charles F., assignor to H. S. Powell, Utica, N. Y. Thread swelling tool. Re18,086; June 2.
Roberts, Charles H., Phoenix, Ariz., assignor to Roberts Aircraft Corporation. Bulkhead. 1,802,835; Apr. 28.
Roberts, Charles L., Reno, Nev. Submarine oil well derrick. 1,811,761; June 23.
Roberts, Charlie P., and W. I. Latta, Atlanta, Ga. Novelty pin. 1,819,757; Aug. 18.
Roberts, Clara, Newberry, Mich. Clothesline. 1,793,417; Feb. 17.
Roberts, Claudius H. M., El Dorado, Ark., assignor, by mesne assignments, to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,802,090; Apr. 21.
Roberts, Clifford, Winchester, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Heel member for boots and shoes. 1,798,355; Mar. 31.
Roberts, Daniel C., Trenton, N. J. Aeroplane. 1,821,323; Sept. 1.
Roberts, David B., Hartford, Conn. Oil burner. 1,834,255; Dec. 1.
Roberts, David C. jr. (See Palmore, Frederick F., assignor.)
Roberts, Donald E., Milwaukee, Wis. Electro-surgical instrument and control. 1,812,608; June 30.
Roberts, Earl L., Pittsfield, Mass. Boat. Des. 84,442; June 16.
Roberts, Earl W., assignor to Roberts Brass Manufacturing Company, Detroit, Mich. Adjustable support for gas lighters and the like. 1,818,275; Aug. 11.
Roberts, Earl W., assignor to Roberts Brass Manufacturing Company, Detroit, Mich. Valve assembly. 1,832,426; Nov. 17.
Roberts, Earl W., assignor to Brass Manufacturing Company, Detroit, Mich. Valve assembly. 1,838,870; Dec. 29.
Roberts, Edward, Atchison, Kans. Curtain and shade hanger. 1,808,971; June 9.
Roberts, Edward A., Long Beach, Calif. Automatic taper thread cutting tool. 1,817,018; Aug. 4.
Roberts, Edward W., Chicago, Ill. Mouthpiece for telephones or speaking tubes and like instruments. 1,806,368; May 19.
Roberts, Edwin G. L. (See Stokes, R. A., and Roberts.)
Roberts, Ellwood W., Germantown, Pa. Shoe rack. 1,821,771; Sept. 1.
Roberts, Elmer, Montclair, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Denture. 1,825,286; Sept. 29.
Roberts, Elmo M., jr., and F. R. Penman, Nacogdoches, assignors of one-third to B. T. Wilson, Nacogdoches County, Tex. Advertising display device. 1,820,250; Aug. 25.
Roberts, Ethel, Los Angeles, Calif. Child's garment. 1,813,956; July 14.
Roberts, Eugene, New York, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Brake mechanism for centrifugal machines. 1,806,683; May 26.
Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Driving mount for gyratory centrifugals. 1,823,863; Sept. 15.
Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Drive transmission for centrifugals. 1,826,675; Oct. 6.
Roberts, Fred T., jr., Montclair, N. J. Automobile attachment for jacks. 1,814,569; July 14.
Roberts, Fred T., jr., Montclair, N. J. Jack attachment for automobiles. 1,814,570; July 14.
Roberts, Frederick R., New York, N. Y. Hatband fastener. 1,811,187; June 23.
Roberts, Gail Y., and C. B. De Rousse, Sheffield, Ala. Anti-thumb-sucking device. 1,800,755; Apr. 14.
Roberts, George H., et al. (See Meyer, Ferd H., assignor.)
Roberts, George H., et al. (See Skoverski, John R., assignor.)
Roberts-Gordon Appliance Corporation. (See Roberts, Millard J., assignor.)
Roberts, Harry L., Keokuk, Iowa. Locked closure for fuel tanks. 1,826,023; Oct. 6.

Roberts, Henry P., Roxbury, assignor of one-half to J. A. Willey and one-half to F. S. Frisbee, Boston, Mass. Egg beater and mixer. 1,798,757; Mar. 31.
Roberts, James H., Blytheville, Ark. Universal coupling. 1,789,265; Jan. 13.
Roberts, Jessie J., Douglasville, Ga., assignor to Draper Corporation, Hopedale, Mass. Loom temple. 1,830,677; Nov. 3.
Roberts, John A. (See Shaffer, Ora C., assignor.)
Roberts, John A., Rolfe, Iowa. Roofing paper cutter. 1,828,621; Oct. 20.
Roberts, John F., West Palm Beach, Fla. Clamp. 1,825,207; Sept. 29.
Roberts, John H., Hatfield, Ark. Cotton chopping attachment for cultivators. 1,805,599; May 19.
Roberts, John P., assignor of one-third to L. P. Perew and one-third to J. M. Michaelson, North Tonawanda, N. Y. Roller screen for windows. 1,793,195; Feb. 17.
Roberts, John W., Washington, D. C. Fungicide and bactericide. 1,791,430; Feb. 3.
Roberts, John W., Sarnia, Ontario, Canada. Train pipe connection. 1,834,742; Dec. 1.
Roberts, Leland C., Towaco, N. J., assignor to American Telephone and Telegraph Company. Selective circuit arrangement. 1,834,005; Dec. 1.
Roberts, Leland C., Towaco, N. J., assignor to American Telephone and Telegraph Company. Producing current of reduced frequency. 1,837,337; Dec. 22.
Roberts & Mander Stove Company. (See Antrim, William D., assignor.)
Roberts, Maurice. (See Earley, M. A., and Roberts.)
Roberts, Millard J., Tonawanda, assignor to Roberts-Gordon Appliance Corporation, Buffalo, N. Y. Burner and transferring heat. 1,808,319; June 2.
Roberts, Millard J., Tonawanda, assignor, by mesne assignments, to Roberts-Gordon Appliance Corporation, Buffalo, N. Y. Mixing device for gas burners and the like. 1,809,425; June 9.
Roberts, Millard J., assignor to Roberts-Gordon Appliance Corporation, Buffalo, N. Y. Gas burner. 1,810,373; June 16.
Roberts, Montague H., Englewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Booster equipment for locomotives. 1,789,691; Jan. 20.
Roberts, Montague H., Englewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Power reverse gear. 1,830,211; Nov. 3.
Roberts Numbering Machine Company. (See Kern, Maximilian H., assignor.)
Roberts, Owen H., Atlanta, Ga., assignor of fifty-one per cent to A. P. Miller, Pleasantville, N. J. Building construction. 1,836,398; Dec. 15.
Roberts, Raney J., Detroit, Mich. Oil burner. 1,791,285; Feb. 3.
Roberts, Roland R. (See Forward, W. J. F., and Roberts.)
Roberts, Roland R. and W. J. Forward, assignors to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Machine tool. 1,805,188; May 12.
Roberts, Russell M., Detroit, Mich. Punching mechanism. 1,790,444; Jan. 27.
Roberts, Samuel J., Scranton, Pa. Inkwell attachment for school desks. 1,832,582; Nov. 17.
Roberts, Samuel J., Scranton, Pa. Ink well and attachment. 183,858; Nov. 24.
Roberts, Samuel S., Pittsburgh, Pa. Fluid valve. 1,796,808; Mar. 17.
Roberts and Schaefer Company. (See Arms, George L., assignor.)
Roberts & Schaefer Company. (See Arms, Ray W., assignor.)
Roberts and Schaefer Company. (See Miller, Richard G., assignor.)
Roberts and Schaefer Company. (See Stump, Earl, assignor.)
Roberts & Schaefer Company. (See White, David E., assignor.)
Roberts, Sidney G., Atlanta, Ga. Suds producing device. 1,837,136; Dec. 15.
Roberts Specialty Manufacturing Company, The. (See Charbonneau, Albert W., assignor.)
Roberts, Thomas H., and J. R. Holmes, assignors to J. W. Kelch, Detroit, Mich. Machine for making shells for automobile heaters and the like. 1,805,261; May 12.
Roberts, Thomas J., Atlanta, Ga. Fluid pressure starting mechanism. 1,806,083; May 19.
Roberts, Thomas M., T. Bovey, and S. J. V. Bovey, Chicago, Ill., assignors, by mesne assignments, to Metalcraft Heater Corporation, Grand Rapids, Mich. Heating automobiles. 1,800,318; Apr. 14.
Roberts, Walter S., Ormskirk, and J. H. Burton, Liverpool, assignors to The Railway Signal Company Limited, London, England. Rotary electro-magnetic mechanism. 1,832,583; Nov. 17.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Means for amplifying electrical currents of audible frequencies. Re18,037; Apr. 7.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Broadcasting system. 1,790,486; Jan. 27.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Electrical network. 1,802,738; Apr. 28.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Measuring light intensities. 1,822,061; Sept. 8.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Illuminating system for regulating traffic. 1,824,572; Sept. 22.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Tuned radio frequency coupling device. 1,831,640; Nov. 10.
Roberts, William, Naugatuck, Conn. Flying machine. 1,831,139; Nov. 10.
Roberts, William F., Nashville, Tenn. Concealed waste receptacle. 1,788,328; Jan. 6.
Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,789,323; Jan. 20.
Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Pulling-over machine. 1,797,298; Mar. 24.
Roberts, William T. B. (See Barclay, W. R., and Roberts.)
Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Mechanism for supplying fastenings. 1,806,883; May 26.
Robertshaw, Frederick W., Pittsburgh, Pa. Threading tool. 1,787,798; Jan. 6.
Robertshaw, Frederick W., Pittsburgh, and G. A. Robertshaw, Greensburg, Pa. Diaphragm valve and operating same. 1,824,057; Sept. 22.
Robertshaw, George A. (See Robertshaw, Frederick and G. A.)
Robertshaw, George A., Greensburg, Pa. Valve. 1,804,438; May 12.
Robertson, Alexander D. (See Wilson, Albert A., assignor.)
Robertson Art Tile Company. (See Anderson, Robert E., assignor.)
Robertson Art Tile Co. (See Solon, Léon V., assignor.)
Robertson, Colin B. (See Wade, I. L., and Robertson.)
Robertson, David, assignor to Vacuum Products (N. Z.) Limited, Wellington, New Zealand. Means for use in the evacuation and sealing of containers for perishable products. 1,817,932; Aug. 11.
Robertson, George. (See Robertson, James B. and G.)
Robertson, H. H., Company. (See Peverley, Ralph St. L., assignor.)
Robertson, H. H., Company. (See Thomas, George W., assignor.)
Robertson, H. H., Company. (See Young, James H., assignor.)
Robertson, Harry M., Cleveland, Ohio. Annealing. 1,823,629; Sept. 15.
Robertson, Harry M., Cleveland, Ohio. Kiln for decorating ceramic ware and other purposes. 1,827,543; Oct. 13.
Robertson, Harry M., Cleveland, Ohio. Kiln truck. 1,832,818; Nov. 17.
Robertson, Henry M. (See Johnson, S. W. L., and Zarembinsky, assignors.)
Robertson, Isaac W., assignor to The Thermo Process Company, Akron, Ohio. Making dipped rubber goods. 1,792,187; Feb. 10.
Robertson, Ivy B., assignor of one-third to F. M. Gresham, Charlotte, N. C. Door operating mechanism. 1,804,515; May 12.
Robertson, James, Peace River, Alberta, Canada. Clutch mechanism. 1,813,770; July 7.
Robertson, James B., Paterson, and G. Robertson, Ridgewood, assignors to The Paratex Corporation, Paterson, N. J. Making rugs. 1,815,586; July 21.
Robertson, James R., London, England. Vacuum tube device. 1,812,558; June 30.
Robertson, John B., jr. (See Eslava, Jerome O., assignor.)
Robertson, John C. (See Rowland, D. H., and Robertson.)
Robertson, John H., London, England. Centrifugal governor mechanism. 1,810,059; June 16.
Robertson, John H., London, England. Governor. 1,810,401; June 16.
Robertson, John H., London, England. Variable friction gearing. 1,813,957; July 14.
Robertson, John H., London, England. Variable speed friction gearing. 1,823,125; Sept. 15.
Robertson, John W., Anderson, S. C. Ventilator. 1,799,123; Mar. 31.
Robertson, L. H. (See Lucas, George D., assignor.)
Robertson, Lawrence, Detroit, Mich. Overhead valve construction. 1,807,674; June 2.
Robertson, Luther C., Cordova, Ala. Knickeralls. 1,804,516; May 12.
Robertson, Martin J., Louisville, Ky. Brake. 1,795,508; Mar. 10.
Robertson, Milton S. (See Robertson, Russell J., assignor.)
Robertson, Peter L., Milton, Ontario, Canada. Tool holder. 1,824,623; Sept. 22.
Robertson, Peter L., Milton, Ontario, Canada. Screw driver. 1,824,624; Sept. 22.
Robertson, Ralph N. (See Bradshaw, G. D., and Robertson.)
Robertson, Robert R., Chicago Heights, Ill. Contraction center strip. 1,819,304; Aug. 18.
Robertson, Reuben B., Ashville, N. C., assignor to The Champion Fibre Company, Canton, N. C. Electrolytic cell. 1,838,572; Dec. 29.
Robertson, Russell J., Oakland, assignor of one-half to M. S. Robertson, Alameda, Calif. Water plane. 1,825,363; Sept. 29.
Robertson, William, assignor to Lozell Manufacturing Company, Erie, Pa. Wringer. 1,821,275; Sept. 1.
Robertson, William C., Dorchester, Mass. Watch winder. 1,794,033; Feb. 24.
Robertson, William E., Richmond, Va. Fire escape. 1,838,705; Dec. 29.
Robertson, William F., Cincinnati, Ohio. Hinge. 1,793,013; Feb. 17.
Robertson, William H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,791,905; Feb. 10.
Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,795,509; Mar. 10.
Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,812,020; June 30.
Robertson, William H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,815,329; July 21.
Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,816,263; July 28.
Robeson-Rochester Corporation. (See Rankin, William A., assignor.)
Robeson-Rochester Corporation. (See Schott, Howard H., assignor.)
Robey, William G., Grafton, W. Va. Toothbrush. 1,792,188; Feb. 10.
Robichaux, Sosthene. (See Barrett, G. J., and Robichaux.)
Robichaux, Sosthene, Saratoga, Tex. Fish tail bit. 1,830,074; Nov. 3.
Robidoux, Louis, Flint, Mich., assignor to T. Robidoux, Providence County, R. I. Simplified rule. 1,816,548; July 28.
Robidoux, Theresa. (See Robidoux, Louis., assignor.)
Robin, Philip T., Erie, Pa. Coupling. 1,807,636; June 2.
Robin, Philip T., and Carl J. Scheloske, assignors to G. H. Williams Company, Erie, Pa. Earth handling structure. 1,822,423; Sept. 8.
Robinett, Harley E., Paducah, Ky. Novelty windmill. 1,792,396; Feb. 10.
Robinette, Clyde B., Cleveland, Ohio. Table cover. Des. 85,203; Sept. 22.
Robins Conveying Belt Company. (See Robins, Samuel D., assignor.)
Robins Conveying Belt Company. (See Robins, Thomas, assignor.)
Robins, Harold B., White Plains, N. Y. Attachment for washing machines. 1,807,874; June 2.
Robins, Samuel D., Woodmere, N. Y., assignor to Robins Conveying Belt Company, Passaic, N. J. Troughing idler for conveyer belts. 1,833,179; Nov. 24.
Robins, Samuel D., Woodmere, N. Y., assignor to Robins Conveying Belt Company, Passaic, N. J. Training idler for conveyer belts. 1,833,180; Nov. 24.
Robins, Thomas, New York, N. Y., assignor to Robins Conveying Belt Company, Passaic, N. J. Pulley. 1,803,357; May 5.
Robinson, A. H., Company, The. (See Robinson, Arthur H., assignor.)
Robinson, Albert E., Cincinnati, and W. L. Schellenbach, Wyoming, assignors to The American Tool Works Company, Cincinnati, Ohio. Drill arm for metal drilling machinery. 1,814,963; July 14.
Robinson, Albert W., Laurel, Del. Fastener for crates and the like. 1,792,397; Feb. 10.
Robinson, Albert W., Laurel, Del. Fastener for crates and the like. 1,837,997; Dec. 22.
Robinson, Archie D., Westfield, Mass. Grinding-wheel adapter. 1,788,634; Jan. 13.
Robinson, Arthur H., Lakewood, assignor to The A. H. Robinson Company, Massillon, Ohio. Heating apparatus. 1,790 021; Jan. 27.
Robinson, Arthur P., assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Concrete-distributing apparatus. 1,792,710; Feb. 17.
Robinson Brothers Limited et al. (See Butler, E. W., and Mann, assignors.)
Robinson, Carol R., New York, N. Y. Skirt retaining device. 1,814,856; July 14.
Robinson, Charles W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Rotary rod weeder. 1,801,979; Apr. 21.
Robinson, Charles W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Duplex grain drill structure. 1,815,330; July 21.
Robinson, Charles W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Power actuated agricultural implement. 1,815,331; July 21.
Robinson, Charles W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Grain drill. 1,832,946; Nov. 24.
Robinson, Charles W., Hamilton, Ontario, Canada, and W. C. Dwyer, Auburn, N. Y., assignors to International Harvester Company. Hopper for fertilizer distributors. 1,801,980; Apr. 21.

Robinson, Clarence I., West New Brighton, N. Y., assignor to Standard Oil Development Company. Hydrocarbon oil of good nonsmoking rating. 1,809,183; June 9.

Robinson, Claude A., and K. S. Frazier, assignors to Detroit Steel Products Company, Detroit, Mich. Wall ground work strip. 1,816,933; Aug. 4.

Robinson, Clayton E., Boston, Mass. Cover for automobile doors. 1,833,474; Nov. 24.

Robinson, Edward A., et al. (See Workman, Ellison E., assignor.)

Robinson, Ernest Y., Lymn, England, assignor to Associated Electrical Industries Limited. Vacuum tube and method of manufacture. 1,817,445; Aug. 4.

Robinson, Ernest Y., Enfield, England, assignor to Associated Electrical Industries Limited. Manufacture of electron-emitting bodies. 1,836,990; Dec. 15.

Robinson, E. S., & A., Limited. (See Jones, A. J., and Nicholas, assignors.)

Robinson, Frank R., Philadelphia, Pa. Pneumatic hammer. 1,829,609; Oct. 27.

Robinson, Frank S., Detroit, Mich. Correlating means for ceiling or partition panels. 1,791,639; Feb. 10.

Robinson, Frank S., Detroit, Mich. Anchorage element for partition panels. 1,802,035; Apr. 21.

Robinson, Frederick E., assignor to The Rotawasher Corporation, Cleveland, Ohio. Remote control switch for pumping systems. 1,792,245; Feb. 10.

Robinson, Frederick G., Kingston-upon-Hull, England. Mounting of tags for can-like containers. 1,828,682; Oct. 20.

Robinson, Gale S., Seattle, Wash. Combined punch and slitting device. 1,826,257; Oct. 6.

Robinson, George, F. A. Kmieske, and L. A. Kmieske, Littleton, Colo. Light projecting and dispersing device. 1,817,000; Aug. 4.

Robinson, George A., jr. (See Foehl, W. L., and Robinson.)

Robinson, Guy, San Angelo, Tex. Tongue structure for auto trailers. 1,838,499; Dec. 29.

Robinson, Guy A., Cincinnati, Ohio. Gas range. 1,805,923; May 19.

Robinson, Harold C., Chicago, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Relay control system. 1,838,961; Dec. 29.

Robinson, Harold C., and A. M. Malmberg, assignors to Reserve Holding Company, Chicago, Ill. Testing apparatus. 1,812,985; July 7.

Robinson, Harry G., Waterbury, Conn., assignor to Industries of America, Inc. Lubricating means for braiding machines. 1,791,286; Feb. 3.

Robinson, Harry G., Waterbury, Conn., assignor to Industries of America, Inc. Stop mechanism for braiding machine. 1,827,715; Oct. 13.

Robinson, Harry J., Boston, Mass., assignor to The Mosler Safe Company, Hamilton, Ohio. Night safe depository. 1,824,502; Sept. 22.

Robinson, Henry, New York, N. Y. Driving and rigidifying assembly for agitating, etc., machines. 1,799,136; Mar. 31.

Robinson, Henry, New York, N. Y. Combination chute and chamber closure. 1,803,209; Apr. 28.

Robinson, Henry, New York, N. Y. Combination chute and closure. 1,807,496; May 26.

Robinson, Henry, New York, N. Y. Spinach, etc., washing machine. 1,814,964; July 14.

Robinson, Henry H., Los Angeles, Calif. Variable flow resistance. 1,805,106; May 12.

Robinson, Herbert W. (See Parkes, Derio W., assignor.)

Robinson, Hubert C., Dallas, Tex. Oil burner. 1,815,116; July 21.

Robinson, James, London, England. Wave-signaling system. 1,821,032; Sept. 1.

Robinson, James, London, England. Radio receiving apparatus. 1,821,033; Sept. 1.

Robinson, James R., Pittsburgh, Pa. Cleaner. 1,788,205; Jan. 6.

Robinson, James W. (See Angel, H., and Robinson.)

Robinson, John A., San Diego, Calif. Submarine safety apparatus. 1,795,891; Mar. 10.

Robinson, John T., assignor to John T. Robinson Company, Boston, Mass. Creasing mechanism. 1,820,251; Aug. 25.

Robinson, John T., Company. (See Robinson, John T., assignor.)

Robinson, John W., Chicago, Ill., assignor to Bond Games, Inc. Dice cup. 1,802,479; Apr. 28.

Robinson, Joseph. (See Leclerc, Albert A., assignor.)

Robinson, Joseph, New York, N. Y. Automatic train-pipe-connecter. Re18,034; Apr. 7.

Robinson, Joseph, New York, N. Y. Automatic train-pipe connecter. 1,787,455; Jan. 6.

Robinson, Joseph, New York, N. Y. Coupling-head liner. 1,792,189; Feb. 10.

Robinson, Joseph, New York, N. Y. Automatic train-pipe coupling. 1,800,660; Apr. 14.

Robinson, Joseph, New York, N. Y. Automatic train pipe coupling. 1,808,255; June 2.

Robinson, Joseph, New York, N. Y. Support for automatic connecters. 1,809,946; June 16.

Robinson, Joseph, New York, N. Y. Automatic train pipe connecter. 1,813,125; July 7.

Robinson, Joseph, New York, N. Y. Automatic train pipe connecter. 1,819,387; Aug. 18.

Robinson, Joseph, New York, N. Y. Automatic air and steam hose connecter. 1,826,288; Oct. 6.

Robinson, Joseph, New York, N. Y. Automatic train pipe connecter. 1,826,954; Oct. 13.

Robinson, Joseph, New York, N. Y. Interchange device for automatic connecters for railway cars. 1,828,072; Oct. 20.

Robinson, Joseph, New York, N. Y. Automatic train pipe coupling. 1,835,526; Dec. 8.

Robinson, Joseph, New York, N. Y. Automatic train pipe coupling. 1,835,527; Dec. 8.

Robinson, Joseph, assignor of one-fourth to R. M. Wolvin, New York, N. Y. Electrical vaporizer. 1,806,646; May 26.

Robinson, Joseph, assignor of one-fourth to R. M. Wolvin, New York, N. Y. Electrical vaporizer. 1,819,123; Aug. 18.

Robinson, Joseph, assignor of one-fourth to R. M. Wolvin, New York, N. Y. Electrical vaporizer. 1,822,456; Sept. 8.

Robinson, Joseph, Morristown, N. J. Automatic train pipe connecter. 1,819,386; Aug. 18.

Robinson, Joseph, Morristown, N. J. Automatic train pipe coupling. 1,821,115; Sept. 1.

Robinson, Joseph V. (See Baldwin, George E., assignor.)

Robinson, Joseph V., New York, N. Y. Automatic train-pipe connecter. 1,797,168; Mar. 17.

Robinson, Joseph V., New York, N. Y. Automatic train-pipe connecter. 1,797,169; Mar. 17.

Robinson, Joseph V., New York, N. Y. Automatic train-pipe connecter. 1,797,170; Mar. 17.

Robinson, Joseph V., New York, N. Y. Automatic train-pipe connecter. 1,797,171; Mar. 17.

Robinson, Joseph V., New York, N. Y. Automatic train-pipe connecter. 1,797,172; Mar. 17.

Robinson, Karl D., New York, N. Y., assignor to Barrett & Company. Leather or similar article. Des. 85,272; Sept. 29.

Robinson, Karl D., New York, N. Y., assignor to The Meriden Gravure Company, Meriden, Conn. Electroplating and product thereof. 1,807,875; June 2.

Robinson, Lee W., and H. Jones, assignors to Ludlow Typograph Company, Chicago, Ill. Printing art. 1,788,594; Jan. 13.

Robinson, Leonard C., Chicago, Ill. Shoe cleaning and polishing machine. 1,795,892; Mar. 10.

Robinson, Lewis T., Schenectady, N. Y., assignor to General Electric Company. Sound-pick-up device. 1,792,323; Feb. 10.

Robinson, Lynn A., assignor of one-half to R. J. Cook, Seattle, Wash. Can. 1,793,636; Feb. 24.

Robinson, Nathan R., Los Angeles, Calif. Automatic piercing, countersinking and riveting machine. 1,834,221; Dec. 1.

Robinson, Neal. (See Spence, F., and Robinson.)

Robinson, Orville R., Ventura, Calif. Driving mechanism for automotive vehicles. 1,828,073; Oct. 20.

Robinson, Ovid D., Coraopolis, assignor to Republic Oil Company, Pittsburgh, Pa. Globe. Des. 85,713; Dec. 8.

Robinson, Patrick H., Waterbury, Conn., assignor to Hamilton Beach Manufacturing Company, Racine, Wis. Vacuum cleaner. 1,816,873; Aug. 4.

Robinson, Percy G., T. S. Foweraker, H. H. Beasley, and T. Sargent, Bristol, England. Means for transferring designs to printing surfaces. 1,791,380; Feb. 3.

Robinson, Percy G., T. S. Foweraker, H. H. Beasley, and T. Sargent, Bristol, England. Transferring designs to printing surfaces. 1,831,754; Nov. 10.

Robinson, Percy G., and T. Sargent, assignors to Strachan & Henshaw, Limited, Whitehall, Bristol, England. Paper-bag-making machine or the like. 1,787,549; Jan. 6.

Robinson, Preston, assignor to Guggenheim Brothers, New York, N. Y. Recovery of metals. 1,806,310; May 19.

Robinson, Raymond L. (See Stickley, C., and Robinson.)

Robinson, Roy H., Chicago, Ill. Building construction. 1,796,048; Mar. 10.

Robinson, Roy H., Chicago, Ill. Golf club. 1,821,191; Sept. 1.

Robinson, Thomas, assignor to Lancaster Asphalt, Inc., New York, N. Y. Roofing element. 1,807,435; May 26.

Robinson, Thomas, assignor to Anaconda Sales Company, New York, N. Y. Metal-clad flashing material. 1,813,084; July 7.

Robinson, Thomas, assignor to Lancaster Asphalt, Inc., New York, N. Y. Making roofing products. 1,818,009; Aug. 11.

Robinson, Thomas, New York, N. Y., assignor to Lancaster Asphalt, Inc. Making building materials. 1,819,199; Aug. 18.

Robinson, Thomas, New York, N. Y., assignor to Lancaster Asphalt, Inc. Apparatus for making building material. 1,819,200; Aug. 18.

Robinson, Thomas, assignor to Lancaster Asphalt, Inc., New York, N. Y. Prepared building product. 1,820,834; Aug. 25.

Robinson, Walter W., Beloit, Wis. Thermionic-tube holder. 1,794,984; Mar. 3.

Robinson, Walter W., Beloit, Wis., assignor of one-half to B. F. Lyons, Chicago, Ill. Container construction. 1,828,088; Oct. 20.

Robinson, Ward M. (See Mueller, O. B., Robinson, and Rader.)

Robinson, William D., Cherryville, N. C. Coating for cotton mill rolls. 1,817,267; Aug. 4.

Robinson, William V., Oskaloosa, Iowa. Building. Des. 84,652; July 14.

Robison, Marion T., Springfield, Ohio. Shoe stretcher and tree. 1,829,369; Oct. 27.
Robison, Volney E., Bellingham, Wash. Wrist attachable blotter. 1,816,232; July 28.
Robison, William, and R. W. Eichhorst, Yorktown, Iowa. Snowplow for railway tracks. 1,833,859; Nov. 24.
Robitaille, Louis A., Montreal, Quebec, Canada. Sheet-metal-radiator forming machine. 1,789,324; Jan. 20.
Robitaille, Louis A., Montreal, Quebec, Canada. Radiator. 1,792,768; Feb. 17.
Robles, Henry D., et al. (See Josephs, Henry, assignor.)
Robley, Thomas A., Huntington Park, Calif. Electromagnetically-operable mechanism. 1,800,906; Apr. 14.
Robson, Duer C., and J. N. Selvig, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand reeling apparatus. 1,815,728; July 21.
Robson, Hector H., New York, N. Y., assignor to United Fruit Company, Boston, Mass. Air circulating apparatus. 1,835,085; Dec. 8.
Robson, Homer L. (See Debeau, M. A., and Robson.)
Robson, Joseph B., and J. M. Williams, Delagua, Colo. Milk bottle holder. 1,819,758; Aug. 18.
Robson, Stanley, Avonmouth, and B. Lambert, Park Town, England. Manufacture of sulphuric acid. 1,797,928; Mar. 24.
Roburke, White Manufacturing Company. (See White, Frank B., assignor.)
Roby, Frank M., Cleveland, Ohio. Condition indicator for low-water alarms. 1,793,869; Feb. 24.
Roby, Frank M., Cleveland, Ohio. Low water alarm. 1,831,884; Nov. 17.
Roby, Harry L., assignor of one-half to The Highland Body Manufacturing Company, Cincinnati, Ohio. Combination window latch. 1,817,101; Aug. 4.
Roby, Irene C., assignor of twenty-five per cent to C. E. Williams, Chicago, Ill. Bookrack or similar article. Des. 83,127; Jan. 20.
Roby, William G. (See Knutson, C. L., Roby and Kimbell.)
Rocciola, John, Lodi, N. J. Embalming pump. 1,814,189; July 14.
Roche, Daniel H., Pawhuska, Okla. Nose shield. 1,802,275; Apr. 21.
Roche, Frank J. (See Tucker, E. C., and Roche.)
Roche, Lawrence J., Harmony, Minn. Rotary valve. 1,808,936; June 9.
Roche, Michael J., Watertown, assignor of one-half to G. A. Gabulson, Jamaica Plain, Mass. Holder for screw-threaded articles. 1,813,424; July 7.
Rochefort, François, Paris, France. Internal-combustion engine. 1,798,033; Mar. 24.
Rochefort, François, Paris, France. Injection of fuel for internal combustion engines. 1,821,817; Sept. 1.
Rochefort, Luc, New York, N. Y. Collapsible umbrella. 1,827,335; Oct. 13.
Rochelle, Joseph B., assignor to Rorothi Refrigerating Machine Co., Inc., New Orleans, La. Ice making apparatus. 1,833,129; Nov. 24.
Rocher, Maurice, Cenon, France. Tire-inflating device. 1,799,122; Mar. 31.
Rocheron, Henri F. L. J., Levallois-Perret, France. Hinge. 1,803,438; May 5.
Rocheron, Henri F. L. J., Levallois-Perret, France. Fastening device for doors. 1,832,505; Nov. 17.
Rochester, Arthur B. (See Peters, S. M., and Rochester.)
Rochester Folding Box Company. (See Bowersock, Wilber E., assignor.)
Rochester Manufacturing Company. (See Hastings, Herbert, assignor.)
Rochester Telephone Corporation, The. (See Vincent, William J., assignor.)
Rochestie, Barnett B., Trenton, N. J. Weighing machine casing. Des. 84,259; May 26.
Rochestie, Barnett B., Trenton, N. J. Weighing machine casing. Des. 84,260; May 26.
Rocheville, Harry D., Los Angeles, Calif. Adjustable camber aerofoil. 1,791,146; Feb. 3.
Ročić, Ivan, New York, N. Y. Bedstead. Des. 83,878; Apr. 7.
Ročić, Ivan, New York, N. Y. Bureau or the like. Des. 85,622; Nov. 24.
Rock, Christopher C., assignor of one-third to A. W. Burley and one-third to H. J. Kinley, Detroit, Mich. Disk brake. 1,798,499; Mar. 31.
Rock, George L., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for producing tubular articles. 1,806,119; May 19.
Rock, George L., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for rotating articles. 1,813,958; July 14.
Rockbestos Products Corporation. (See Greenleaf, J. W., and Mau, assignors.)
Rockbestos Products Corporation. (See Reeves, Beauford H., assignor.)
Rocke, Floyd L., Bloomington, Ill. Motor starter for washing machines. 1,833,499; Nov. 24.
Rocke, John, Bloomington, Ill. Agitator mechanism for washing machines. 1,805,107; May 12.
Rocke, John, Bloomington, Ill. Washing machine. 1,837,372; Dec. 22.
Rocke, Louis, Brooklyn, N. Y. Separable fastening device. 1,811,677; June 23.
Rocke, Louis, Brooklyn, assignor to Waldes-Koh-I-Noor, Inc., Long Island City, N. Y. Sewing-machine attachment. 1,793,334; Feb. 17.
Rockenstire, Walter C., Schenectady, N. Y. Journal-box lubricator. 1,789,266; Jan. 13.
Rocker, George. (See Conklin, O. E., and Rocker.)
Rockford Drilling Machine Co. (See Ruesenberg, Carl A., assignor.)
Rockford Machine Tool Co. (See Leet, Albert B., assignor.)
Rockford Manufacturing Company. (See Koella, Ernest, assignor.)
Rockford Mitten & Hosiery Company. (See Schabacker, Fred H., assignor.)
Rock Island Plow Company. (See Cathey, Frank H., assignor.)
Rock Island Plow Company, The. (See Kaupke, Lee H., assignor.)
Rock Island Register Company. (See Burgess, Samuel P., assignor.)
Rockland & Rockport Lime Corporation. (See Haslam, Robert T., assignor.)
Rocklin, Benjamin, Chicago, Ill. Knife. 1,819,623; Aug. 18.
Rockmere, Jeannette, New York, N. Y. Drain device. 1,810,855; June 16.
Rock of Ages Corporation. (See Chase, Elroy A., assignor.)
Rockola, David C., Chicago, Ill. Weighing-machine casing. Des. 83,280; Feb. 10.
Rockola, David C., Chicago, Ill. Weighing-machine casing. Des. 83,414; Feb. 17.
Rockola, David C., Chicago, Ill. Weighing machine casing. Des. 85,546; Nov. 10.
Rockstad, Walmer L., Everett, Wash. Demountable-rim-securing nut. 1,792,711; Feb. 17.
Rockstrok-Werke Aktiengesellschaft. (See Rossger, Walter, assignor.)
Rockwell-Barnes Company. (See Buckland, Earl M., assignor.)
Rockwell, Byrd C., Sheffield, Ala. Screen-closure construction. 1,792,762; Feb. 17.
Rockwell, Byrd C., Camden, Ark. Truck rack. 1,793,637; Feb. 24.
Rockwell, Byrd C., Camden, Ark. Inlay floor construction. 1,809,393; June 9.
Rockwell, Charles B., jr., and W. F. Bird, Bristol, R. I., assignors to Collins & Aikman Corporation, Philadelphia, Pa. Method of and apparatus for twisting yarn. 1,802,671; Apr. 28.
Rockwell, Edward A., New York, N. Y. Valve operating mechanism. 1,806,220; May 19.
Rockwell, Edward A., New York, N. Y. Pressure indicating tire valve. 1,825,160; Sept. 29.
Rockwell, Edward A., Chicago, Ill. Brake operating mechanism. 1,817,943; Aug. 11.
Rockwell, Edward A., New York, N. Y., assignor to Stewart-Warner Corporation. Apparatus for controlling the transmission of fluctuating fluid pressure. 1,817,941; Aug. 11.
Rockwell, Edward A., Long Island City, N. Y., assignor to Stewart-Warner Corporation, Chicago, Ill. Fluid pressure trapping device. 1,817,942; Aug. 11.
Rockwell, George G., and C. L. Walters, Danbury, Conn. Sound reproducing diaphragm. 1,806,420; May 19.
Rockwell, Harold H., et al., trustees. (See Amstutz, Noah S., assignor.)
Rockwell, Harold H., et al., trustees. (See Myers, L. E., and Amstutz, assignors.)
Rockwell, Herbert S., assignor to H. A. Smith Machine Company, Hopewell, N. J. Toy boat with outboard motor. 1,825,547; Sept. 29.
Rockwell, Hugh M., Elmhurst, N. Y. Internal-combustion engine. 1,792,658; Feb. 17.
Rockwell, Hugh M., Elmhurst, N. Y. Internal combustion engine. 1,801,287; Apr. 21.
Rockwell, Hugh M., Freeport, N. Y. Apparatus for sizing pistons. 1,794,797; Mar. 3.
Rockwell, Hugh M., Freeport, N. Y. Internal combustion engine. 1,830,483; Nov. 3.
Rockwell, Paul O., Edgewood Arsenal, Md. Process and apparatus for purifying air. 1,789,194; Jan. 13.
Rockwell, Willard F., and Beverly W. Keese, Oshkosh, Wis., assignors, by mesne assignments, to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle brake and wheel construction. 1,791,685; Feb. 10.
Rockwood, Alan C., and W. R. Ferris, Schenectady, N. Y., assignors to General Electric Company. Tube testing apparatus. 1,825,548; Sept. 29.
Rockwood, George I., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Heat actuated mechanism. 1,819,124; Aug. 18.
Rockwood Sprinkler Company of Massachusetts. (See Arnott, Ashley M., assignor.)
Rockwood Sprinkler Company of Massachusetts. (See Carlson, Hjalmar G., assignor.)
Rockwood Sprinkler Company of Massachusetts. (See Howard, Clifton P., assignor.)
Rockwood Sprinkler Company of Massachusetts. (See Rockwood, George I., assignor.)
Rockwood Sprinkler Company of Massachusetts. (See Russell, Robert H., assignor.)
Rocquin, Camille J., New Orleans, La. Rake. 1,837,677; Dec. 22.

Rod, Isaac M., Dublin, Pa. Making garments. 1,830,768; Nov. 10.
Rodanet, Charles H. H., Versailles, assignor to Société Anonyme Etablissements Ed. Jaeger, Levallois-Perret, France. Steering wheel. 1,807,553; May 26.
Rodanet, Charles H. H., Versailles, assignor to the Society Etablissements Ed. Jaeger, Levallois-Perret, France. Switch. 1,814,337; July 14.
Rodanet, Henri, Versailles, France. Electrical timing device. 1,828,202; Oct. 20.
Roddis, Louis H., Washington, D. C. Combined pocket flash light and key holder. 1,834,805; Dec. 1.
Roddy, Gustav R., assignor to Chain Belt Company, Milwaukee, Wis. Sewage-disposal apparatus. 1,795,143; Mar. 3.
Rode, Frederich J. (See Glasner, R. W., and Rode.)
Rode, Fredrich J., Chicago, Ill. Metal working press. 1,834,111; Dec. 1.
Rode, Fredrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Cushion for sheet-metal presses. 1,787,996; Jan. 6.
Rode, Fredrich J., assignor of one-half to Rudolph W. Glasner, Chicago, Ill., and one-half to Marquette Tool & Mfg. Company, Chicago, Ill. Press cushion and chucking mechanism for wheel rims. 1,793,749; Feb. 24.
Rode, Fredrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Spring cushion for presses. 1,827,440; Oct. 13.
Rode, Fredrich J., Chicago, assignor, by mesne assignments, to Koro Corporation, Waukegan, Ill. Welding rod. 1,835,899; Dec. 8.
Rode, Fredrich J., Chicago, assignor, by mesne assignments, to Koro Corporation, Waukegan, Ill. Welding rod. 1,835,900; Dec. 8.
Rodet, Paul M., J. A. Christensen, and M. A. Grieve, Los Angeles, Calif. Automatic chime. 1,835,901; Dec. 8.
Rodewald, Charles W. (See Adams, R., and Rodewald.)
Rodger Ballast Car Company. (See Hindahl, David, assignor.)
Rodger Ballast Car Company. (See Hosceit, William J., assignor.)
Rodger Ballast Car Company. (See Neikirk, John O., assignor.)
Rodgers, Alfred A., assignor to Scully Bros. Inc., Los Angeles, Calif. Golf club boot. Des. 85,114; Sept. 15.
Rodgers, Alfred A., assignor to Scully Bros. Inc., Los Angeles, Calif. Communicating helmet. 1,811,280; June 23.
Rodgers, Arthur L., assignor of one-eighth to J. W. Tanner, one-half to W. O. Harris, and three-eighths to L. J. Miller, Oklahoma City, Okla. Special fitting and plug magazine for cementing oil and gas wells. 1,791,784; Feb. 10.
Rodgers, Clark W. (See Hamer, K. C., and Rodgers.)
Rodgers, Claude M., Clay Township, St. Joseph County, assignor to South Bend Bait Company, South Bend, Ind. Fish bait. 1,814,571; July 14.
Rodgers, E. A., et al. (See Birtciel, Joseph S., assignor.)
Rodgers, James A., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Electric motor. 1,796,623; Mar. 17.
Rodgers, James A., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Magnetic testing apparatus. 1,819,201; Aug. 18.
Rodgers, Richard L., Chicago, Ill. Fuel and making same. 1,793,014; Feb. 17.
Rodgers, Richard L., Chicago, Ill., assignor, by mesne assignments, to Charcolite Corporation. Clinton, Ind. Apparatus for carbonizing coal. 1,826,573; Oct. 6.
Rodgers, Samuel T., Shaker Heights, Ohio. Method of and apparatus for determining viscosity. 1,790,948; Feb. 3.
Rodgers, Willis W. (See Wood, B. D., and Rodgers.)
Rodin, Benard E., East Cleveland, Ohio. Ventilating apparatus. 1,791,640; Feb. 10.
Rodin, Louis B., Gary, Ind. Coin-operated vending machine. Des. 83,833; Mar. 31.
Rodin, Mate M., San Pedro, Calif. Fishhook or catching device. 1,803,560; May 5.
Rodin, Mate M., San Pedro, Calif. Fishhook. 1,803,561; May 5.
Rodler, Edward F., New York, N. Y. Overflow trap for cooking vessels. 1,798,758; Mar. 31.
Rodler, Hilmer F., Davenport, Iowa, assignor to C. J. Mumert, West New York, N. J. Pressure-equalizing valve. 1,798,631; Mar. 31.
Rodman Chemical Company. (See Rodman, Hugh, assignor.)
Rodman, Clarence J. (See Maude, A. H., Rodman, Styer, and Wilharm.)
Rodman, Clarence J., and H. W. Clark, assignors to The Buckeye Jack Manufacturing Company, Alliance, Ohio. Lifting jack. 1,791,975; Feb. 10.
Rodman, Clarence J., and R. P. Dunmire, assignors to The Buckeye Twist Drill Company, Alliance, Ohio. Purification of liquids. 1,824,498; Sept. 22.
Rodman, Clarence J., and R. P. Dunmire, assignors to The Buckeye Twist Drill Company, Alliance, Ohio. Apparatus for purifying liquids. 1,836,338; Dec. 15.
Rodman, Hugh, Oakmont, assignor to Rodman Chemical Company, Verona, Pa. Quenching oils. 1,818,431; Aug. 11.
Rodney Hunt Machine Company. (See Simonds, Warren J., and Harris, assignors.)
Rodrigues, George, Castroville, Calif. Valve. 1,813,581; July 7.
Rodrigues, George, Gastroville, Calif. Differential mechanism. 1,827,403; Oct. 13.
Rodriguez, German V. R., Manzanillo, Cuba. Loading apparatus. 1,808,995; June 9.
Rodriguez, Ramon, New York, N. Y. Sound amplifier and clarifier. 1,827,955; Oct. 20.
Rodstein, Harry, and I. Nathanson, Brooklyn, N. Y. Grill for a radiator cabinet or similar article. Des. 84,548; June 30.
Rodzikinas, Wallace R., Hatley, Wis. Bushing puller. 1,811,968; June 30.
Roe, Alexander L., Orange N. J. Automatic speedometer chart. 1,834,869; Dec. 1.
Roe, De Forest, assignor to The Colson Company, Elyria, Ohio. Linoleum truck. 1,789,391; Jan. 20.
Roe, De Forest, Cleveland, assignor to The Colson Company, Elyria, Ohio. Tread. 1,806,084; May 19.
Roe, De Forest, Elyria, assignor to The Celson Company, Cleveland, Ohio. Hand truck. 1,821,276; Sept. 1.
Roe, Ernest S., assignor to King Manufacturing Company, Plymouth, Mich. Popgun. 1,830,291; Nov. 3.
Roe, Ernest S., assignor to King Manufacturing Company, Plymouth, Mich. Shaping machine. 1,835,528; Dec. 8.
Roe, Frank L., Chicago, Ill. Lady's portable slipper container. Des. 84,053; Apr. 28.
Roe, Joseph H., Market Harborough, England. Brush for cleaning pipes and tubes. 1,809,725; June 9.
Roe, Ralph C., Englewood, N. J. Pulverized fuel burner. 1,808,682; June 2.
Roe, Ralph C., Englewood, assignor of one-half to S. W. Borden, Summit, N. J. Air preheater. 1,833,130; Nov. 24.
Roe, Ralph C., Englewood, assignor of one-half to S. W. Borden, Summit, N. J. Steam plant. 1,839,121; Dec. 29.
Roe, Robert H., Los Angeles, Calif. Fabric wall covering. 1,793,963; Feb. 24.
Roe, William C., assignor to Telkor, Inc., Elyria, Ohio. Screw driver. 1,829,421; Oct. 27.
Roebbel, Frederick W., and H. E. Rogers, St. Louis, Mo. Method and tool for lapping or honing. 1,828,074; Oct. 20.
Roebel, Ludwig, Mannheim, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Cooling device for electric apparatus. 1,798,702; Mar. 31.
Roebel, Ludwig, Mannheim, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electrical switch. 1,827,765; Oct. 20.
Roebel, Ludwig, Mannheim, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Thrust bearing. 1,829,542; Oct. 27.
Roebling, Robert C., Trenton, N. J. Mechanical movement. 1,820,033; Aug. 25.
Roebling's John A., Sons Company. (See Clark, David W., assignor.)
Roebling's, John A., Sons, Company. (See Horn, Harold J., assignor.)
Roebling's, John A., Sons Company. (See Murphy, Walter J., assignor.)
Roebling's, John A., Sons Company. (See Sunderland, Charles C., assignor.)
Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. Des. 85,057; Sept. 8.
Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Hinge. Des. 85,058; Sept. 8.
Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch for refrigerators and the like. Des. 85,494; Nov. 3.
Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. 1,794,206; Feb. 24.
Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. 1,798,170; Mar. 31.
Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. 1,836,554; Dec. 15.
Roeder, Georg, Leipzig, Germany. Testing milk for derangements in its composition. 1,831,034; Nov. 10.
Roeder, John. (See Shneider, C., and Roeder.)
Roeder, Julius, and W. Wellmann, Witten, Germany. Rolling mill and process for rolling tubes. 1,815,867; July 21.
Roeder, Peter. (See Kertz, James J., assignor.)
Roeder, William O., Oshkosh, Wis. Toy. 1,825,921; Oct. 6.
Roehl, Frank M., assignor to National Automatic Doughnut Machine Company, Minneapolis, Minn. Turnover mechanism for doughnut machines. 1,834,182; Dec. 1.
Roehl, Frank M., and P. J. Toews, assignors to National Automatic Doughnut Machine Company, Minneapolis, Minn. Doughnut machine. 1,823,409; Sept. 15.
Roehri, Carl. (See Goodman, Harry S., assignor.)
Roehrich, Carl, Berlin, assignor to the firm Silfree Aktiengesellschaft (Silfree Limited) Vadus, Liechtenstein, Germany. Apparatus for photographic copying purposes. 1,807,933; June 2.
Roehrich, Frank N., and A. Levine, Jersey City, N. J.; said Roehrich assignor to said Levine. Article-dispensing apparatus. 1,788,206; Jan. 6.
Roelike, Stephen J., Melrose, Minn. Musical key chart. 1,792,324; Feb. 10.
Roemer, Max, Los Hills, Calif. Stuffing box. 1,811,334; June 23.

Roesch, Christian, assignor of one-half to himself and one-half to G. Gockeler, Brooklyn, N. Y. Slicing machine. 1,825,421; Sept. 29.
Roesch Enamel Range Company. (See Roesch, Joseph P., assignor.)
Roesch, Frank P., Chicago, Ill., assignor to Standard Stoker Company, Incorporated. Stoker. 1,800,407; Apr. 14.
Roesch, Frank P., Chicago, Ill., assignor to The Standard Stoker Company, Incorporated. Locomotive. 1,808,256; June 2.
Roesch, Frank P., Chicago, Ill., and A. M. Hunt, New York, N. Y., assignors to Standard Stoker Company, Incorporated. Stoker. 1,828,818; Oct. 27.
Roesch, Joseph P., assignor to Roesch Enamel Range Company, Belleville, Ill. Range. Des. 85,396; Oct. 20.
Roesch, William F., Philadelphia, Pa. Drop-dispersing agent. 1,801,109; Apr. 14.
Roese, Rudolf, Berlin-Friedenau, Germany. Double sliding window. 1,822,237; Sept. 8.
Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Intaglio-printing press. 1,788,635; Jan. 13.
Roesen, Oscar C., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Web-roll-controlling mechanism. 1,794,644; Mar. 3.
Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folding unit. 1,812,716; June 30.
Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Press stopping device. 1,816,934; Aug. 4.
Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Antijumping device for form rollers. 1,816,935; Aug. 4.
Roesen, Oscar C., Brooklyn, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Parallel adjustment for folding couples. 1,834,644; Dec. 1.
Roesler, Joseph F., Lufkin, Tex. Sliding window screen. 1,810,791; June 16.
Roesner, Gerhard. (See Conway, Baron von Girsewald, Weidmann, and Roesner.)
Roessinger, Walter C., Forest Hills, assignor, by mesne assignments, to Northam Warren Corporation, New York, N. Y. Toilet article. 1,819,004; Aug. 18.
Roessler, Amandus C. (See Beidler, E. W., and Roessler.)
Roessler & Hasslacher Chemical Company, The. (See Bailey, George C., assignor.)
Roessler & Hasslacher Chemical Company, The. (See Cambron, Adrien, assignor.)
Roessler & Hasslacher Chemical Company, The. (See Carlisle, Paul J., assignor.)
Roessler & Hasslacher Chemical Company, The. (See Carveth, Hector R., assignor.)
Roessler & Hasslacher Chemical Company, The. (See Dangelmajer, Charles, assignor.)
Roessler & Hasslacher Chemical Company, The. (See Freudenberg, Hermann, assignor.)
Roessler & Hasslacher Chemical Company, The. (See Gilbert, Harvey N., assignor.)
Roessler & Hasslacher Chemical Company, The. (See Harding, Earle A., assignor.)
Roessler & Hasslacher Chemical Company, The. (See Kloepfer, Harry, assignor.)
Roessler & Hasslacher Chemical Company, The. (See Lacy, Burritt S., assignor.)
Roessler & Hasslacher Chemical Company, The. (See Magill, Paul L., assignor.)
Roessler & Hasslacher Chemical Company, The. (See Pfleger, J., and Scheller, assignors.)
Roessler & Hasslacher Chemical Company, The. (See Whitby, George S., assignor.)
Roessner, William L., E. Wheeler, and V. C. Smedley, Denver, Colo.; said E. Wheeler and V. C. Smedley assignors to said W. L. Roessner. Fire extinguisher. 1,825,922; Oct. 6.
Roet, Isaac, Amsterdam, Netherlands. Cigarette making machine. 1,803,562; May 5.
Roetger, Hans. (See Schlecht, L., and Roetger.)
Roeth, Ludwig H., Union City, N. J. Device for locating sunken vessels. 1,839,001; Dec. 29.
Roethel, John H., Brooklyn, N. Y. Window controller. 1,791,147; Feb. 3.
Roettger, Alphonse W. (See Paulson, L., and Roettger.)
Roettges, Frederick W., assignor to Lighting Appliance Company, Inc., New York, N. Y. Chandelier. Des. 83,571; Mar. 3.
Roettges, Frederick W., assignor to Lighting Appliance Company, Inc., New York, N. Y. Lighting fixture. Des. 83,572; Mar. 3.
Roettges, Frederick W., assignor to Lighting Appliance Company, Inc., New York, N. Y. Lighting fixture bracket or article of similar nature. Des. 84,164; May 12.
Roettges, Frederick W., Brooklyn, assignor to Lighting Appliance Company, Inc., New York, N. Y. Lighting fixture or article of similar nature. Des. 84,957; Aug. 25.
Roettinger, Philip C. (See Townsend, R. C., and Roettinger.)
Rogal, Edward, Brookline, and L. F. Woodruff, Boston, Mass., assignors to Central Records, Inc., Chicago, Ill. Automatic accounting system. 1,801,981; Apr. 21.
Roger Ballast Car Company. (See Hoscelt, William J., assignor.)
Roger, George, Warrington, England. Frame or machine for cutting the pile of pile fabrics. 1,801,783; Apr. 21.
Roger, John P., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Tube connection. 1,819,202; Aug. 18.
Rogers, Albert J. (See Cramer, J. D., and Rogers.)
Rogers, Albert W., Santo Domingo City, Dominican Republic, West Indies. Securing the heads of hammers, picks, axes and similar tools. 1,812,375; June 30.
Rogers, Alfred, Milton, Mass. Door-knob assembly. 1,799,253; Apr. 7.
Rogers, Alfred, London, assignor to Shrewsbury (S. T.) & Challiner Tyre Company Limited, London, England. Demountable rim for disk and other wheels. 1,798,759; Mar. 31.
Rogers Brothers Corporation. (See Rogers, Charles A., assignor.)
Rogers, Charles A., assignor to Rogers Brothers Corporation, Albion, Pa. Truck. 1,789,343; Jan. 20.
Rogers, Charles and C., assignors to Crown Stove Works, Cicero, Ill. Combination heater and range. Des. 85,348; Oct. 13.
Rogers, Clarence. (See Rogers, C. and C.)
Rogers, Claude H., Peterboro, Ontario, Canada. Boat joint construction. 1,825,091; Sept. 29.
Rogers, Clifford R. (See Brodersen, M. M., Babel, and Rogers.)
Rogers, Earl B., assignor to Mid-West Forging Company, Chicago, Ill. Base for signs. 1,821,580; Sept. 1.
Rogers, Edmund. (See Werder, John F., assignor.)
Rogers, Everett I., jr., Providence, R. I. Lighter. 1,822,505; Sept. 8.
Rogers, Everett I., jr., Providence, R. I. Toy building construction. 1,832,584; Nov. 17.
Rogers, Francis M. (See Hunneman, R. D., Rogers, and Wilson.)
Rogers, Francis M., and C. P. McNeil, assignors to Standard Oil Company, Whiting, Ind. Distilling petroleum residuum. 1,830,963; Nov. 10.
Rogers, Frank H., Philadelphia, Pa., assignor, by mesne assignments, to I. P. Morris Corporation. Valve. 1,834,870; Dec. 1.
Rogers, Frank W., Baltimore, Md. Pressing-iron stand. 1,799,705; Apr. 7.
Rogers, Franklin L., Seattle, Wash. Clothespin basket. Des. 83,834; Mar. 31.
Rogers, Fred E. (See Anderson, J. L., and Rogers.)
Rogers, Frederick W., Beaver Dam, Wis. Separable electric connecter. 1,812,609; June 30.
Rogers, George A., New York, N. Y. Mechanism for use in musical instrucion. 1,811,865; June 30.
Rogers, George J. (See Ward, Walter L., assignor.)
Rogers, George W., Dundalk, Md. Aviator's helmet. 1,788,320; Jan. 6.
Rogers, Gilbert E., Norwich, Conn. Manure handler for stables. 1,791,381; Feb. 3.
Rogers, Gilbert E., Rockaway, and J. M. King, Dover, N. J. Fuse. 1,814,059; July 14.
Rogers, Harrison W., New York, N. Y. Sound amplifying apparatus. 1,802,480; Apr. 28.
Rogers, Harrison W., New York, N. Y. Synchronized sound and photography. 1,812,449; June 30.
Rogers, Harrison W., Incorporated. (See Ebeling, Charles W., assignor.)
Rogers, Harry E. (See Roebbel, F. W., and Rogers.)
Rogers, Harry T., Chicago, Ill. Marionette toy. 1,820,367; Aug. 25.
Rogers, Homer L., Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company. Reservoir, swimming pool, and like structure and preformed packing for same. 1,790,075; Jan. 27.
Rogers, Homer L., Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company. System of third rail installation. 1,813,199; July 7.
Rogers, Homer L., Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company. Cover for third rail and other electric conductors. 1,813,200; July 7.
Rogers, Homer L., Dayton, Ohio, assignor to The Philip Carey Manufacturing Company. Rail filler. 1,807,174; May 26.
Rogers, Homer L., Hartwell, Ohio, assignor to The Philip Carey Manufacturing Company. Rail filler. 1,818,755; Aug. 11.
Rogers, Homer S., assignor to Milwaukee Air Power Pump Company, Milwaukee, Wis. Pneumatic pump. 1,835,086; Dec. 8.
Rogers, Ira E., Marblehead, and W. C. Scott, Quincy, Mass., assignors to General Electric Company. Clutch mechanism for looms and the like. 1,805,498; May 19.
Rogers, Jacob B., Altoona, Pa. Adjustment for alignment of road or similar forms. 1,827,672; Oct. 13.
Rogers, Jane K., New York, N. Y. Composite cosmetic container. 1,831,885; Nov. 17.
Rogers, John C., assignor to Crown Stove Works, Cicero, Ill. Supporting bracket for door and drawer handles. Des. 84,712; July 21.
Rogers, John F., Cleveland Heights, assignor to The Wellman Engineering Company, Cleveland, Ohio. Raw gas valve. 1,838,706; Dec. 29.
Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 1,791,686; Feb. 10.
Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing and distributing machine. 1,791,687; Feb. 10.

Rogers, John R., and E. A. Sytz, Brooklyn, N. Y., assignors to Mergenthaler Linotype Company. Slug casting machine and type bars cast thereby. 1,804,317; May 12.
Rogers, Joseph A., New York, N. Y. Unnailing machine. 1,789,256; Jan. 13.
Rogers, Joseph E., Chicago, Ill., assignor to Dayton Scale Company, Dayton, Ohio. Scale and chart therefor. 1,817,446; Aug. 4.
Rogers, Joseph M. (See Etheridge, Locke, assignor.)
Rogers, Joseph W., Bodines, Pa. Trailer hitch. 1,815,678; July 21.
Rogers, Leonard M., Mendon, assignor to Draper Corporation, Hopedale, Mass. Protective lock for loom reversing mechanism. 1,810,679; June 16.
Rogers, Lore A., Washington, D. C. Can for the preservation of cheese. 1,821,447; Sept. 1.
Rogers, Lunt & Bowlen Company. (See Koonz, Frederick W., assignor.)
Rogers, Matthew S., assignor of one-half to F. E. Kennedy, Martinez, Calif. Down-blast oil smelting furnace. 1,799,643; Apr. 7.
Rogers, Mike W., sr., Lexington, Ky. Display rack. 1,816,747; July 28.
Rogers, Oswald C., Center, Tex. Vending and displaying cabinet. 1,801,692; Apr. 21.
Rogers Products Co. (See Albertine, Herman, assignor.)
Rogers Products Co. (See Zabriskie, Charles L., assignor.)
Rogers, Reginald D. (See Andrews, C. W., and Rogers.)
Rogers, Roland J. (See Bombard, J. A., and Rogers.)
Rogers, Thomas C. (See Bell, T. W., and Rogers.)
Rogers, Thomas H., assignor to Standard Oil Company, Whiting, Ind. Refined viscous hydrocarbon oil. 1,793,134; Feb. 17.
Rogers, Thomas H., assignor to Standard Oil Company, Whiting, Ind. Refined viscous hydrocarbon oil. 1,793,135; Feb. 17.
Rogers, Thomas H., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del. Oil composition and inhibiting oxidation thereof. 1,805,458; May 12.
Rogers, Thomas H., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del. Oil composition and process of retarding development of rancidity therein. 1,826,258; Oct. 6.
Rogers, Walter F. (See McGary, S. U., Rogers, and Gill.)
Rogers, Walter F., assignor to Crown Stove Works, Cicero, Ill. Cabinet gas range. Des. 83,128; Jan. 20.
Rogers, Walter F., assignor to Crown Stove Works, Cicero, Ill. Stove. Des. 85,495; Nov. 3.
Rogers, Walter F., assignor to Crown Stove Works, Cicero, Ill. Stove. 1,831,546; Nov. 10.
Rogers, Walter G., Leavenworth, Kans. Motor vehicle. 1,817,848; Aug. 4.
Rogers, William C., Chicago, Ill. Safety razor blade. 1,808,480; June 2.
Rogers, William C., Chicago, Ill. Safety razor. 1,830,563; Nov. 3.
Rogge, Albert C., and H. Gordon, Columbus, Ohio. Heel seat trimming machine. 1,811,188; June 23.
Roggeman, Michael A., Revere, Minn. Tractor attachment. 1,792,035; Feb. 10.
Roghmanns, Theodor, Sonsbeck/Niederrhein, Germany. Single-rail railway. 1,798,852; Mar. 31.
Rognstad, Sigurd A., et al. (See Hale, Fred E., assignor.)
Rogul, Abraham. (See De Villard, Jean F., assignor.)
Roh, Nikolaus. (See Schmidt, O., Seydel, and Roh.)
Rohaly, Andrew, Hardieville, Alberta, Canada. Railway-crossing gate. 1,796,164; Mar. 10.
Rohde, Otto C., assignor to Champion Spark Plug Company, Toledo, Ohio. Spark-plug construction. 1,801,023; Apr. 14.
Rohde, Erwin, Chicago, Ill. Peeler attachment for knives. 1,830,133; Nov. 3.
Rohe, Bernard, Elgin, Ill. Latch. 1,810,087; June 16.
Röhl, Hans, assignor to Schwarzwaldwerke Lanz, G. m. b. H., Mannheim, Germany. Refrigerating apparatus. 1,829,370; Oct. 27.
Rohland, Charles B., Barberton, Ohio. Rotary vegetable cutting machine. 1,803,769; May 5.
Rohlfes, Clemens, San Francisco, Calif. Price marking device. 1,824,794; Sept. 29.
Rohlfing, John M., Plainfield, N. J., assignor to American Car and Foundry Company, New York, N. Y. Lined tank and making the same. 1,803,407; May 5.
Rohlfing, John M., Plainfield, N. J., assignor to American Car and Foundry Company, New York, N. Y. Bolster and making same. 1,827,404; Oct. 13.
Rohlfs, Roland, Forest Hills, assignor, by mesne assignments, to L. F. Kohler, Brooklyn, N. Y. Night aerial advertising sign or the like and fastening means therefor. 1,817,268; Aug. 4.
Rohlfs, Roland, Forest Hills, assignor, by mesne assignments, to L. F. Kohler, Brooklyn, N. Y. Night aerial advertising sign. 1,817,269; Aug. 4.
Rohlin, Victor A., Philadelphia, Pa. Separator. 1,823,470; Sept. 15.
Rohm, Bertha. (See Rohm, Pemberton R., assignor.)
Röhm & Haas Aktiengesellschaft. (See Bauer, Walter, assignor.)
Rohm & Haas Company. (See Bruson, Herman A., assignor.)
Röhm & Haas Company. (See Heckert, Leon C., assignor.)
Rohm and Haas Company. (See Peet, Charles H., assignor.)
Rohm & Haas Company. (See Somerville, Ian C., assignor.)
Rohm, Pemberton R., assignor of two-fifths to B. Rohm, Vanderbilt, Pa. Bumper. 1,799,065; Mar. 31.
Röhm, Richard. (See Klausner, S., Eichengrün, and Röhm.)
Rohman, William A. assignor to D. E. Makepeace Company, Attleboro, Mass. Wire or similar article. Des. 84,596; July 7.
Rohn, Arthur, Boston, Mass., assignor to Cameo Scale Corporation, New York, N. Y. Weighing scale casing. Des. 83,993; Apr. 21.
Rohn, Frederick G., assignor of one-half to D. R. Cohen, St. Louis, Mo. Electric conduit securing device. 1,828,876; Oct. 27.
Rohn, Wilhelm, Hanau, Germany. Alloy for turbine blades and machine parts exposed to similar conditions. 1,807,554; May 26.
Rohn, Wilhelm, Hanau-on-the-Main, Germany. Furnace heated by high frequency coils. 1,811,213; June 23.
Rohn, Wilhelm, Hanau-on-the-Main, Germany. Production of castings free from pipes and blowholes. 1,812,172; June 30.
Rohner, Adam, Oshkosh, Wis. Autographic register. 1,837,587; Dec. 22.
Rohner, Arnold J., Schenectady, N. Y., assignor to General Electric Company. Transformer. 1,835,969; Dec. 8.
Rohner, Philip B., Carroll, Iowa. Rag ripper. 1,812,901; July 7.
Rohr, Frederick H. (See Lewis, W. L., and Rohr.)
Rohr, Frederick H., assignor to Solar Aircraft Company, San Diego, Calif. Riveting machine. 1,814,632; July 14.
Rohr, Mayer, assignor to The McCall Company, New York, N. Y. Pattern chart with variable size indicator. 1,793,251; Feb. 17.
Rohrbach, Adolf, Berlin-Wilmersdorf, Germany, assignor to Rohrbach Patents Corporation. Wing of aircraft. 1,795,970; Mar. 10.
Rohrbach, Adolf, Berlin, Germany, assignor to Rohrbach Patents Corporation. Water cooling apparatus for seaplane engines. 1,838,155; Dec. 29.
Rohrbach Metall-Flugzenbau, G. m. b. H. (See Staiger, Ludwig, assignor.)
Rohrbach Metall-Flugzeugbau G. m. b. H. (See Wagner, Herbert, assignor.)
Rohrbach Patents Corporation. (See Rohrbach, Adolf, assignor.)
Rohrich, Harold A., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,821,077; Sept. 1.
Rohrmann, Ludwig, and W. Meyer, Jamaica, N. Y. Water glider. 1,834,424; Dec. 1.
Rohrschneider, Max, Hamburg, Germany, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm-Lidingo, Sweden. Storage of acetylene. 1,814,338; July 14.
Rohwedder, Otto F., assignor to Mac-Roh Sales & Manufacturing Co., Davenport, Iowa. Bread-handling machine. 1,790,022; Jan. 27.
Rohwedder, Otto F., assignor to Mac-Roh Sales & Mfg. Company, Davenport, Iowa. Feeding appliance for bread-slicing machines. 1,798,127; Mar. 24.
Rohwedder, Otto F., assignor to Mac-Roh Sales & Mfg. Company, Davenport, Iowa. Sliced-bread package. 1,816,399; July 28.
Rohwedder, Otto F., assignor to Mac-Roh Sales & Mfg. Company, Davenport, Iowa. Sliced bread package. 1,816,400; July 28.
Rohwedder, Otto F., assignor to Mac-Roh Sales & Mfg. Company, Davenport, Iowa. Bread handling apparatus. 1,826,676; Oct. 6.
Roig, José M., Barcelona, Spain. Revolving toothbrush and nail polisher. 1,822,631; Sept. 8.
Roisum, Hans O., Madison, Wis. Self-locking extension sleigh. 1,802,219; Apr. 21.
Roitzheim, Alexander, and Wilhelm Remy, Berlin-Oberschoneweide, Germany. Process of and apparatus for obtaining metallic zinc. 1,798,986; Mar. 31.
Róka, Koloman, Konstanz, Baden, assignor, by mesne assignments, to the Firm of Deutsche Gold-und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Producing acetone. 1,821,324; Sept. 1.
Róka, Koloman, Konstanz, and O. Fuchs, Wollmatingen, near Konstanz, assignors, by mesne assignments, to the Firm of Deutsche Gold- und-Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Making esters. 1,800,319; Apr. 14.
Rolaff, Walter G. E., St. Louis, Mo. Pump or compressor. 1,789,842; Jan. 20.
Rolaff, Walter G. E., Kirkwood, Mo. Compressor. 1,789,843; Jan. 20.
Rolaff, Walter G. E., Kirkwood, Mo. Reciprocating compressor. 1,795,445; Mar. 10.
Rolaff, Walter G. E., Kirkwood, Mo. Blade construction for compressors of the rotary type. 1,796,535; Mar. 17.
Rolaff, Walter G. E., St. Louis, Mo. Valve controlling mechanism for refrigerating systems. 1,803,677; May 5.
Rolf, H. G. (See Sommerfeld, Leonhart F., assignor.)
Rolfe, Albert O. (See Reedy, John H., assignor.)
Rolfe, Henry. (See Duguid, W., and Rolfe.)
Rolfe, Howard C., Clarkdale, Ariz. Plane handle. 1,794,248; Feb. 24.

Rolfs, Baltus, and P. Wege, assignors to Amity Leather Products Co., West Bend, Wis. Bill fold. Des. 83,175; Jan. 27.
Rolker, Charles H., Los Angeles, Calif. Aeroplane safety appliance. 1,793,870; Feb. 24.
Rolker, Edwin, assignor to Safeasy Fixture Company, Baltimore, Md. Cord attachment for plugs and sockets. 1,809,532; June 9.
Rolland, Louis, assignor to Société Metallurgique De l'Ariege, Paris, France. Shock absorbing device. 1,816,401; July 28.
Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Sealing ring for cans and pails. 1,815,011; July 14.
Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Nonrefillable container. 1,817,709; Aug. 4.
Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Attaching bail ears to pails. 1,817,710; Aug. 4.
Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Closure retaining device for drums. 1,824,733; Sept. 22.
Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Apparatus for attaching covers on pails. 1,827,544; Oct. 13.
Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Apparatus for heading sheet metal containers. 1,833,620; Nov. 24.
Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Pouring spout for containers. 1,836,729; Dec. 15.
Roll-A-Way Bed Corporation. (See Matheson, William A., assignor.)
Roll-A Way Bed Corporation. (See Matheson, W. A., and Bower, assignors.)
Roller Bearing Company of America. (See Jones, Allan H., assignor.)
Roller, Frank W., East Orange, N. J., assignor to Roller-Smith Company. Measuring instrument. 1,804,953; May 12.
Roller, Frank W., East Orange, N. J., assignor to Roller-Smith Company. Rail bond tester. 1,823,471; Sept. 15.
Roller, Frank W., East Orange, N. J., assignor to Roller-Smith Company. Electric weighing apparatus. 1,826,024; Oct. 6.
Roller, Louis H., White Plains, N. Y. Method of and machine for winding flat spiral coils. 1,832,427; Nov. 17.
Roller-Smith Company. (See Roller, Frank W., assignor.)
Rollhaus, Philip E. (See Rutzler, J. E., jr., Kokatnur, and Rollhaus.)
Rollings, George F. D., Cherrydale, Va. Motion picture machine. 1,835,240; Dec. 8.
Rollins, Fred D., Washington, D. C. Heating device. 1,830,719; Nov. 3.
Rollins, Le Roy W., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stitch-removing machine. 1,807,603; June 2.
Rollins, Leroy W. (See Richardson, J. H., and Rollins.)
Rollinson, Earl H., Irvington, N. J. Thermostatic alarm. Des. 83,467; Feb. 24.
Rollman, Bruce, assignor to The Ohio Cultivator Company, Bellevue, Ohio. Press. 1,830,623; Nov. 3.
Rollman, Michael A., Mount Joy, Pa. Ice-cream freezer. 1,793,964; Feb. 24.
Rollman, Michael A., Mount Joy, Pa. Electric plug. 1,810,439; June 16.
Rollman, Michael A., Mount Joy, Pa. Sadiron handle. 1,817,583; Aug. 4.
Rollman, Michael A., Mount Joy, Pa. Electric-heater kit. 1,828,257; Oct. 20.
Rollodor Manufacturing Company. (See Bahner, Ernest T., assignor.)
Rollodor Manufacturing Company. (See Barbé, Edgar H., assignor.)
Rolls Royce Limited. (See Hall, H. C., and Bradbury, assignors.)
Rolls Royce Limited. (See Royce, Frederick H., assignor.)
Rolph, Thomas W., Newark, Ohio, assignor, by mesne assignments, to Holophane Company, Inc., New York, N. Y. Luminair. Re18,187; Sept. 15.
Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Reflecting luminair. 1,791,936; Feb. 10
Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Sighting mark for refractors, or the like. 1,830,484; Nov. 3.
Rolscreen Company. (See Dixson, Harry, assignor.)
Rolstad, Martin O., Sisseton, S. Dak., assignor of one-half to O. Bornes, Minneapolis, Minn. Tool for grasping bolts and machine parts. 1,818,353; Aug. 11.
Rolston, Kenneth P., Pittsburgh, assignor to R. E. Tongue & Brothers Company, Inc., Philadelphia, Pa. Crimping mechanism. 1,798,903; Mar. 31.
Rolston, Walter F., assignor of one-half to Burson Knitting Company, Rockford, Ill. Knitting machine. 1,800,265; Apr. 14.
Rolston, Walter F., assignor to Burson Knitting Company, Rockford, Ill. Yarn-carrier guide and transfer mechanism for straight-knitting machines. 1,800,320; Apr. 14.
Rolston, Walter F., assignor of one-half to Burson Knitting Company, Rockford, Ill. Method of and mechanism for knitting sutured fabric. 1,802,394; Apr. 28.
Rolston, Walter F., assignor of one-half to Burson Knitting Company, Rockford, Ill. Knitting machine. 1,802,395; Apr. 28.
Rom, William, Berwyn, Ill. Method of and apparatus for recording sound on motion picture films. 1,828,444; Oct. 20.
Romain, Burchard P., South Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Speed indicator. 1,816,748; July 28.
Roman, Frank L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Composition for flameproofing inflammable materials. 1,827,263; Oct. 13.
Roman, Harris. (See Karpf, S., and Roman.)
Romane, Georges, St.-Mande, France. Artificial fur. 1,809,356; June 9.
Romanoff, Alexis L., Ithaca, N. Y. Gas conditioning apparatus. 1,813,959; July 14.
Romanske, Michael, Boston, Mass. Cover locking and releasing mechanism for centrifugal extractors. 1,829,811; Nov. 3.
Rombach, John C. (See Bell, Lawrence D., and Rombach.)
Rombach, John C., Glendale, assignor to L. D. Bell, Los Angeles, Calif. Cigar and cigarette lighter. 1,788,544; Jan. 13.
Romberg, Heinrich, Dusseldorf, assignor to Rheinische-Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Spring mounting of field guns. 1,788,890; Jan. 13.
Rome Company. (See Hanauer, Darwin, assignor.)
Rome Company, The. (See Pittoni, Angelo, assignor.)
Rome Company, The. (See Pittoni, Louis E., assignor.)
Rome Company, The. (See Thomas, Joseph R., assignor.)
Romec Corporation. (See Beidler, E., and Roessler, assignors.)
Romer, Ralph M., New York, N. Y. Foot-rest attachment for closets. 1,798,632; Mar. 31.
Romera, Manuel, Castroville, Calif. Agricultural implement. 1,802,536; Apr. 28.
Romero, Eugenio R. (See Montano, A., and Romero.)
Romero, Francis, Washington, D. C., assignor to The Velvetaire Co., Baltimore, Md. Cushion support for the foot. 1,837,488; Dec. 22.
Romieux, Charles J. (See Novotny, E. E., and Romieux.)
Romieux, Charles J., Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Selenium di-thiophosphates. 1,836,685; Dec. 15.
Romieux, Charles J., Elizabeth, and L. J. Christmann, Jersey City, N. J., assignors to American Cyanamid Company, New York, N. Y. Rubber accelerator and using the same. 1,819,792; Aug. 18.
Romig, James E., assignor to E. H. R. Wilson, Roslyn, Pa. Lingerie guard. 1,797,200; Mar. 17.
Romilly, Edgar P. (See Hartzler, M. E., and Romilly.)
Romine, Robert T. (See Hoyos, Ernesto J., assignor.)
Romine, Robert T., Mount Clemens, Mich. Sectional box car. 1,793,965; Feb. 24.
Romine, Robert T., Mount Clemens, Mich. Sectional box car. 1,793,966; Feb. 24.
Romine, Robert T., Mount Clemens, Mich. Portable platform. 1,794,121; Feb. 24.
Romine, Robert T., Mount Clemens, Mich. Portable platform or buck. 1,800,155; Apr. 7.
Romine, Robert T., Mount Clemens, Mich. Car loading and unloading method. 1,802,220; Apr. 21.
Romine, Robert T., Mount Clemens, Mich. Portable platform and making the same. 1,806,085; May 19.
Romine, Robert T., Mount Clemens, Mich. Portable loading platform. 1,806,086; May 19.
Romine, Robert T., Mount Clemens, Mich. Conveyer method and apparatus. 1,818,358; Aug. 11.
Romine, Robert T., Mount Clemens, Mich. Industrial truck. 1,825,923; Oct. 6.
Romine, Robert T., Mount Clemens, Mich. Apparatus and method for shipping metal. 1,830,292; Nov. 3.
Romine, Robert T., Mount Clemens, J. F. Warren, and E. W. Systrom, Detroit, Mich.; said Warren and said Systrom assignors to said Romine. Industrial truck. 1,831,140; Nov. 10.
Rommel, Eberhardt, New York, N. Y. Shutter release. 1,835,902; Dec. 8.
Rommel, Otto, Merseburg, Germany. Identification plate for motor driven vehicles. 1,835,087; Dec. 8.
Romp, Johan, Eindhoven, Netherlands, assignor to Radio Corporation of America. Transformer winding wire. 1,810,499; June 16.
Ronci, Victor L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Glass working machine. 1,837,373; Dec. 22.
Ronco, Bunny V. (See Bernard H., and Ronco.)
Roney, Hugh B., London, England. Hair cutting machine. 1,811,760; June 23.
Ronk, George T., Cedar Rapids, Iowa. Shoe for tractor treads. 1,795,618; Mar. 10.
Ronk, George T., Cedar Rapids, Iowa. Clutch control device. 1,834,222; Dec. 1.
Ronk, George T., Cedar Rapids, Iowa. Bearing for cable drums and the like. 1,836,339; Dec. 15.
Ronk, George T., Fairfield, assignor to Speeder Machinery Corporation, Cedar Rapids, Iowa. Traction mechanism for excavators. 1,802,576; Apr. 28.

Ronk, George T., assignor to Speeder Machinery Corporation, Cedar Rapids, Iowa. Excavator bucket. 1,803,654; May 5.
Ronning, Adolph. (See Ronning, Andrean G. and A.)
Ronning, Adolph, et al., executors. (See Ronning, Adolph and A. G.)
Ronning, Adolph, et al., executors. (See Ronning, Andrean G.)
Ronning, Adolph, et al., executors. (See Ronning, A., Hedenstrom, and Ronning.)
Ronning, Adolph, et al., trustees. (See Ronning, Andrean G. and A.)
Ronning, Adolph, E. A. Hendenstrom, and A. G. Ronning, deceased; A. Ronning, Minneapolis, and J. A. Ronning, St. Paul, Minn., executors. Tractor-harvester. 1,815,272; July 21.
Ronning, Adolph, and A. G. Ronning, deceased; A. Ronning and J. A. Ronning, Minneapolis, Minn., executors. Combination tractor implement. 1,815,273; July 21.
Ronning, Adolph, and A. G. Ronning, deceased; A. Ronning and J. A. Ronning, Minneapolis, Minn., executors. Combination tractor harvester. 1,815,274; July 21.
Ronning, Adolph, and A. G. Ronning, deceased; A. Ronning and J. A. Ronning, executors, Minneapolis, Minn. Combination tractor harvester. 1,815,587; July 21.
Ronning, Andrean G. (See Ronning, A., Hedenstrom, and Ronning.)
Ronning, Andrean G. (See Ronning, Adolph and A. G.)
Ronning, Andrean G. (See Ronning, Andrean and A. G.)
Ronning Andrean G., deceased, Minneapolis, Minn.; J. A. Ronning and A. Ronning, executors. Sphygmograph. 1,834,006; Dec. 1.
Ronning, Andrean G., deceased, and A. Ronning, assignors by mesne assignments, to A. Ronning; A. Ronning and J. A. Ronning, trustees, Minneapolis, Minn. Tractor. 1,815,271; July 21.
Ronning, Andrean G., and A., Minneapolis, Minn., assignors to International Harvester Company. Tractor cultivator. 1,819,624; Aug. 18.
Ronning, Jacob A., et al., executors. (See Ronning, A., Hedenstrom, and Ronning.)
Ronning, Jacob A., et al., executors. (See Ronning, Adolph and A. G.)
Ronning, Jacob A., et al., executors. (See Ronning, Andrean G.)
Ronning, Jacob A., et al., trustees. (See Ronning, Andrean G., and A.)
Ronstrom, Thomas A., Chicago, Ill. Water heater. 1,808,820; June 9.
Rood, Harold C., Fairfield, Conn. Man's garter. 1,796,049; Mar. 10.
Roodhouse, Benjamin T., Wilmette, Ill. Antislip device. 1,796,399; Mar. 17.
Rook, Marion C., W. G. Sparks, Henderson, and G. H. Chapman, Laneville, Tex. Floor jack. 1,798,225; Mar. 31.
Roome, Frank A., Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,799,644; Apr. 7.
Rooney, Frank D., Cleveland, Ohio. Ophthalmic mounting. 1,835,529; Dec. 8.
Rooney, Joseph B., et al. (See Bovee, Hiram N., assignor.)
Rooney, Laura V., Washington, D. C. Lingerie clasp. 1,808,436; June 2.
Rooney, William T., Los Angeles, Calif. Switch for direction signals. 1,808,683; June 2.
Roos, Axel H., Chico, Calif. Quick-acting hose coupling. 1,793,015; Feb. 17.
Roos, Delmar G., assignor to The Studebaker Corporation, South Bend, Ind. Valve spring control for internal combustion engines. 1,824,734; Sept. 22.
Roos, Gunnar, Stockholm, Sweden. Refrigerating apparatus of the absorption type. 1,802,537; Apr. 28.
Roos, Henry W., Cincinnati, Ohio. Shore attachment. 1,796,536; Mar. 17.
Roos, Henry W., Cincinnati, Ohio. Shore attachment. 1,811,094; June 23.
Roos, John E., Duluth, Minn. Paste pot. 1,801,055; Apr. 14.
Roosevelt Chemical Co. (See Utgoff, Victor V., assignor.)
Roosevelt, Marcus S., Detroit, Mich., assignor to The Hamilton Autographic Register Co., Hamilton, Ohio. Continuous stationery apparatus. 1,808,437; June 2.
Root, A. I., Company, The. (See Cole, James D., assignor.)
Root, A. I., Company, The. (See Hope, Earl W., assignor.)
Root, A. I., Company, The. (See Root, Huber H., assignor.)
Root, Albert S., Bronx, and J. Levin, Brooklyn, N. Y. Store front. Des. 85,768; Dec. 15.
Root, Arthur A., Detroit, Mich. Aeroplane. 1,813,201; July 7.
Root, Bertwell C., assignor to Brown Company, Berlin, N. H. Joining conduits. 1,809,313; June 9.
Root, Bertwell C., assignor to Brown Company, Berlin, N. H. Conduit joint and making the same. 1,824,838; Sept. 29.
Root, Buell B. (See Pech, C. A., and Root.)
Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Sheet-transferring mechanism for printing presses. 1,795,971; Mar. 10.
Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Sheet registering device. 1,807,436; May 26.
Root, Charles F., assignor to The Chandler and Price Company, Cleveland, Ohio. Sheet feeding mechanism for printing presses. 1,810,929; June 23.
Root, Charles S., Springfield, Mass. Tweezer tool. 1,803,728; May 5.
Root, Clair M., Detroit, Mich., assignor to Gifford-Wood Company, Hudson, N. Y. Gate. 1,808,972; June 9.
Root, Earl, (See Loomis, L. E., and Root.)
Root, Edith A. (See Culp, Frank G., assignor.)
Root, Frank B., East Orange, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Ornamented article and making same. 1,831,323; Nov. 10.
Root, Harry, Buffalo, N. Y. Kite string reel. 1,826,481; Oct. 6.
Root, Huber H., assignor to The A. I. Root Company, Medina, Ohio. Radial extractor and method of extracting honey. 1,791,605; Feb. 10.
Root, Huber H., assignor to The A. I. Root Company, Medina, Ohio. Honey extractor. 1,792,871; Feb. 17.
Root, Huber H., assignor to The A. I. Root Company, Medina, Ohio. Air purifier. 1,819,521; Aug. 18.
Root, Joseph J., jr., Chicago, Ill. Valve. 1,827,911; Oct. 20.
Roots, P. H. & F. M., Company, The. (See Abbott, Corwin C., assignor.)
Roots, P. H. & F. M. Company, The. (See Huebotter, Harry A., assignor.)
Roots, P. H. & F. M., Company, The. (See Owens, Robert H., assignor.)
Roper, Geo. D., Corporation. (See Hobson, Stanley H., assignor.)
Roper, Geo. D., Corporation. (See Hollman, Peter I., assignor.)
Roper, Geo. D., Corporation. (See Hollman, P. I., and Thelen, assignors.)
Ropp, Franklin N., Los Angeles, Calif. Caisson-pit-digging machine. 1,794,490; Mar. 3.
Ropp Tin Limited. (See Cothay, Frank H., assignor.)
Rorabeck, Claude, Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Tractor sprocket. 1,829,874; Nov. 3.
Rorothi Refrigerating Machine Co. (See Rochelle, Joseph B., assignor.)
Rorrer, Charles E., and A. R. Mitterer, assignors to Stadium Stores, Inc., Denver, Colo. Store counter. Des. 85,769; Dec. 15.
Rosacker, Max F., Mount Penn, Pa. Flexible lamp bracket. 1,818,582; Aug. 11.
Rosaire, Esme E., Fort Worth, Tex., assignor to Geophysical Research Corporation, New York, N. Y. Determining the straightness of drill holes in the earth. 1,811,648; June 23.
Rosaire, Esme E., Houston, Tex., assignor to Western Electric Company, Incorporated, New York, N. Y. Heating an electrical and thermal nonconductor. 1,813,425; July 7.
Rosaire, Esme E., Houston, Tex., and A. D. Kerns, Bloomfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for manufacturing electrostatic condensers. 1,789,451; Jan. 20.
Rosatelli, Celestino, assignor to Fiat Società Anonima, Turin, Italy. Aeroplane chassis. 1,803,039; Apr. 28.
Rosatelli, Celestino, assignor to Fiat Società Anonima, Turin, Italy. Aeroplane control switch. 1,821,581; Sept. 1.
Rösch, Georg, Cologne-Mulheim, and W. Bauer, Wiesdorf, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Halogenated naphthalene. 1,822,982; Sept. 15.
Roscher, Gerhard, Washington, D. C. Vacuum brush. 1,792,712; Feb. 17.
Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Apparatus for feeding and cutting plastic material such as confectionery stock. 1,788,329; Jan. 6.
Rose, Alfred G., assignor of one-half to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Conveyer for packaging machines. 1,806,501; May 19.
Rose, Alfred G., assignor of one-half to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Apparatus for folding and closing the ends of bags or the like. 1,816,126; July 28.
Rose, Anton J., Cleveland, Ohio. Carrier for containers. 1,820,497; Aug. 25.
Rose Brothers (Gainsborough) Limited. (See Rose, Alfred G., assignor.)
Rose, Chester. Glenns Ferry, Idaho. Dirigible light. 1,826,025; Oct. 6.
Rose, Edgar J., Los Angeles, Calif. Electrical apparatus for therapeutic and other purposes. 1,801,385; Apr. 21.
Rose, Edward D. (See Heymann, G. H., and Rose.)
Rose, Edward E., Cicero, Ill. Metallic doorframe. 1,806,647; May 26.
Rose, Edward E., Edgewood, Pa., and J. T. Welsh, Westfield, N. J.; said Rose assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,805,262; May 12.
Rose, Elias B., Oakland, Calif. Mixer. 1,829,812; Nov. 3.
Rose Field Packing Co. (See Hey, Edmund A., assignor.)
Rose, Frank A., Indianapolis, Ind. Hood deflector for hair driers. 1,835,337; Dec. 8.
Rose, George E., Chicago, Ill. Open hearth furnace. 1,838,452; Dec. 29.

Rose, George H. (See Bletso, B. N., and Rose.)
Rose, Hilton W., assignor of one-half to P. Bondurant, Portland, Oreg. Match holder. 1,818,507; Aug. 11.
Rose, Jesse W., and A. Costa, New Orleans, La. Sediment remover. 1,796,478; Mar. 17.
Rose, Joseph, New York, N. Y. Dampproofing and waterproofing walls. 1,796,269; Mar. 10.
Rose, Louis M., San Jose, Calif. Orthodiagraphy. 1,795,042; Mar. 3.
Rose, Morris. (See Bohlman, E. A., and Rose.)
Rose, Morris. (See Eaton, G. R., and Rose.)
Rose, Morris. (See Zigelman, P., and Rose.)
Rose Patch and Label Co., The. (See Bignell, George L., assignor.)
Rose, Reed P., Jackson Heights, N. Y., assignor to General Rubber Company, New York, N. Y. Manufacture of sheet material. 1,825,422; Sept. 29.
Rose, Robert C., Weymouth, Mass. Motor-car direction signal. 1,792,930; Feb. 17.
Rose, Thomas W., Stretford, Manchester, England, assignors to Westinghouse Electric and Manufacturing Company. Electrical control apparatus. 1,798,704; Mar. 31.
Rose, William D., Portland, Oreg. Building structure. 1,798,853; Mar. 31.
Rose, William H., Jersey City, N. J. Suspending device. 1,838,156; Dec. 29.
Rose, William T., Balfe, Nebr. Hay rake. 1,833,860; Nov. 24.
Rosebrook, Guy L., Roselle Park, N. J. Service station. Des. 84,755; July 28.
Rosebrook, Guy L., Roselle Park, N. J. Service station. Des. 85,599; Nov. 17.
Rosebrook, Guy L., Oakland, assignor of one-third to Grace L. Jewett, Piedmont, and one-third to V. Hermanson, (deceased), Oakland, Calif., Victor Hermanson, executor. Conveyer means for wheeled vehicles. 1,787,763; Jan. 6.
Roseby, Philip N., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Magnet core. 1,789,477; Jan. 20.
Roseby, Philip N., assignor to Automatic Telephone Manufacturing Company Limited, Liverpool, England. Thermo-magnetically operated device. 1,839,165; Dec. 29.
Rosecrans, Crandall Z., assignor to Leeds & Northrup Company, Philadelphia, Pa. Electrical precipitator. 1,787,955; Jan. 6.
Rosefield, John B., Piedmont, Calif. Spraying device. 1,825,092; Sept. 29.
Rosel, William E., assignor to The Yardley Screen & Weatherstrip Company, Columbus, Ohio. Cable lock for window blinds. 1,804,811; May 12.
Rosell, Henry E., assignor to The Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn. Gaiter or similar waterproof rubber footwear. Des. 83,646; Mar. 10.
Roselle, Joseph F., Cincinnati, Ohio. Hat shaping machine. 1,805,050; May 12.
Roseman, Leo. (See Rosenman, Herman, assignor.)
Roseman, Leo, Newark, N. J. Hook for garments. 1,795,619; Mar. 10.
Roseman, Leo, Newark, N. J. Hook fastener tape. 1,801,571; Apr. 21.
Roseman, Leo, Newark, N. J. Automatic stop for sewing machines. 1,803,978; May 5.
Roseman, Leo, Newark, N. J. Fastener tape. 1,828,786; Oct. 27.
Roseman, Leo, Newark, N. J. Fastener tape. 1,833,500; Nov. 24.
Roseman, Leo, assignor to Prime Machine Co., Newark, N. J. Fastener tape feeding and control means for sewing machines. 1,801,570; Apr. 21.
Rosen, Abraham W., New York, N. Y. Automobile mirror. 1,816,700; July 28.
Rosen, Abraham W., New York, N. Y. Device for supporting articles on tires or the like. 1,817,711; Aug. 4.
Rosen, Alfred H., Alcoma, Va. Corn thinner. 1,826,365; Oct. 6.
Rosen, Ernst A., Portland, Oreg. Folding table. 1,827,373; Oct. 13.
Rosen, Frank. (See Stange, Bruno, assignor.)
Rosen, Isaac, Brooklyn, N. Y. Necktie clasp. 1,797,299; Mar. 24.
Rosen, Jessel. (See Parsons, C. A., Rosen, and Horsley.)
Rosen, Louis W., Brooklyn, N. Y. Shutter-locking device for cameras. 1,805,707; May 19.
Rosen, Ruben, Philadelphia, Pa. Expansion bolt. 1,790,841; Feb. 3.
Rosen, Victor E., Waltham Highlands, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser and manufacturing the same. 1,818,010; Aug. 11.
Rosen, William, Royal Oak, Mich. Propeller. 1,838,453; Dec. 29.
Rosenbaum, Louis, New York, N. Y. Quilted blanket. 1,818,756; Aug. 11.
Rosenbeck, J. H., & Sons. (See Rosenbeck, Niels E., assignor.)
Rosenbeck, Niels E., assignor to J. H. Rosenbeck & Sons, Torrington, Conn. Electric terminal. 1,798,812; Mar. 31.
Rosenberg Bros. and Co. (See Dunkley, Melville E., assignor.)
Rosenberg, Heyman, New York, N. Y. Anchorage device. 1,789,660; Jan. 20.
Rosenberg, Heyman, New York, N. Y. Ladder. 1,806,502; May 19.
Rosenberg, Heyman, New York, N. Y. Apparatus for treating metal work. 1,806,503; May 19.
Rosenberg, Heyman, New York, N. Y. Fastener. 1,809,758; June 9.
Rosenberg, Heyman, New York, N. Y. Anchorage. 1,814,965; July 14.
Rosenberg, Heyman, New York, N. Y. Anchorage devices. 1,814,966; July 14.
Rosenberg, Heyman, New York, N. Y. Anchorage device. 1,817,584; Aug. 4.
Rosenberg, Heyman, New York, N. Y. Fastener. 1,827,615; Oct. 13.
Rosenberg, Heyman, New York, N. Y. Anchorage. 1,834,871; Dec. 1.
Rosenberg, Heyman, New York, N. Y. Quenching apparatus for hardening metal work. 1,834,872; Dec. 1.
Rosenberg, Leo V. (See Frisch, M. A., and Rosenberg.)
Rosenberg, Louis, Brooklyn, N. Y. Beveling glass. 1,832,244; Nov. 17.
Rosenberg, Myer W., Minneapolis, Minn. Door coordinating device. 1,796,050; Mar. 10.
Rosenberg, Samuel, New York, N. Y. Tape suspension for window sash and the like. 1,827,264; Oct. 13.
Rosenberg, Sandor, New York, and J. Hochman, Brooklyn, N. Y. Flying machine. 1,828,819; Oct. 27.
Rosenberger, Heinz, New York, N. Y. Microcinematographic apparatus. 1,794,499; Mar. 3.
Rosenberger, Maynard, Los Angeles, Calif., assignor to Adohr Stock Farms, Reseda, Calif. Bottle. Des. 85,005; Sept. 1.
Rosenberger, William A., Hagerstown, Md. Side light for automobiles. 1,793,871; Feb. 24.
Rosenblatt, Isidor, New York, N. Y. Lighting fixture suspension loop or article of similar nature. Des. 83,994; Apr. 21.
Rosenblatt, Isidor, New York, N. Y. Lighting fixture or article of similar nature. Des. 83,995; Apr. 21.
Rosenblatt, Isidor, New York, N. Y. Lighting fixture or article of similar nature. Des. 83,996; Apr. 21.
Rosenblatt, Isidor, New York, N. Y. Lighting fixture or article of similar nature. Des. 84,372; June 9.
Rosenblatt, Isidor, New York, N. Y. Lighting fixture or article of similar nature. Des. 84,373; June 9.
Rosenblatt, Isidor, New York, N. Y. Lighting fixture member or article of similar nature. Des. 84,597; July 7.
Rosenblatt, Maurice C., Philadelphia, Pa. Isolating support for vibratory equipment. 1,819,039; Aug. 18.
Rosenbloom, Isadore, Baltimore, Md., assignor to Marlboro Shirt Company, Inc. Convertible shirt. 1,837,998; Dec. 22.
Rosenblum, Israel, Jackson Heights, N. Y. Resin complex and producing the same. 1,808,716; June 2.
Rosenblum, Israel, Jackson Heights, N. Y. Synthetic resinous complex and making same. 1,809,570; June 9.
Rosenburgh, Durwood D., assignor to Taylor Instrument Companies, Rochester, N. Y. Forming capillary tubing. 1,827,766; Oct. 20.
Rosencrants, Fay H., Kingsway, London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Device for feeding pulverized fuel to furnaces. 1,789,692; Jan. 20.
Rosener, Leland S., assignor to Fibreboard Products Inc., San Francisco, Calif. Box blank slotting machine. 1,804,644; May 12.
Rosenfeld, Abraham, New York, N. Y. Brushing machine. 1,788,172; Jan. 6.
Rosenfeld, Josef. (See Hegyes, P., and Rosenfeld.)
Rosenfeld, Joseph P., Newark, N. J. Material spray apparatus. 1,811,969; June 30.
Rosenfeld, Simon A. (See Strom, Olaf S., assignor.)
Rosenhaft, Isaac, and I. Herskowitz, New York, N. Y. Vanity case. 1,796,963; Mar. 17.
Rosenhagen, Victor, Bellevue, assignor of one-fourth to W. C. Buten and one-fourth to O. Wolff, Newport, and one-fourth to G. M. Reininger, Fort Mitchell, Ky. Vacuum condensation control. 1,819,522; Aug. 18.
Rosenkilde, Ejvind, Copenhagen, and H. Rosenkilde, Bagsvaerd, Denmark. Electromagnetic relay. 1,838,573; Dec. 29.
Rosenkilde, Hakon. (See Rosenkilde, Ejvind and H.)
Rosenkranz, Hugo E., Oshkosh, Wis. Casket lowering apparatus. 1,826,898; Oct. 13.
Rosenlöcher, Otto, Berlin, Germany, assignor to General Electric Company. Elastic fluid turbine and the like. 1,829,674; Oct. 27.
Rosenman, Herman, assignor to L. Roseman, Newark, N. J. Fastener tape. 1,835,671; Dec. 8.
Rosenmund, Alfred L., Rockaway Borough, N. J., assignor to Stapling Machines Co. Wire joining. 1,822,542; Sept. 8.
Rosenmund, Alfred L., Rockaway Borough, N. J., assignor to Stapling Machines Co. Wire joining. 1,822,543; Sept. 8.
Rosenmund, Alfred L., Rockaway, N. J., assignor to Stapling Machines Co. Wire joining tool and method. 1,832,324; Nov. 17.
Rosenow, Edward C., Rochester, Minn. Float and safety valve. 1,788,251; Jan. 6.
Rosenow, Edward C., Rochester, Minn. Humidifying device. 1,817,648; Aug. 4.
Rosenstein, Aaron, assignor to Rosenstein Bros. & Hook, New York, N. Y. Advertising sign. 1,803,439; May 5.

Rosenstein Bros. & Hook. (See Rosenstein, Aaron, assignor.)
Rosenstein Bros. & Hook. (See Rosenstein, Charles, assignor.)
Rosenstein, Charles, Paterson, N. J., assignor to Rosenstein Bros. & Hook, New York, N. Y. Woven fabric. 1,808,379; June 2.
Rosenstein, Charles, Paterson, N. J., assignor to Rosenstein Bros. & Hook, New York, N. Y. Woven fabric. 1,829,299; Oct. 27.
Rosenstein, Isabel C., et al, executors. (See Rosenstein, Sidney.)
Rosenstein, Ludwig, San Francisco, Calif. Removing hydrogen sulphide from oils and other substances. 1,827,912; Oct. 20.
Rosenstein, Ludwig, San Francisco, Calif. Removing hydrogen sulphide. 1,832,325; Nov. 17.
Rosenstein, Ludwig, and W. J. Hund, San Francisco, Calif. Motor fuel and improving same. 1,835,184; Dec. 8.
Rosenstein, Otto, assignor to Illinois Pacific Glass Corporation, San Francisco, Calif. Glass-tank furnace. 1,797,590; Mar. 24.
Rosenstein, Sidney, deceased; T. R. Marks, W. H. Rosenstein, and I. C. Rosenstein, executors, assignors to Owname Products Corporation, New York, N. Y. Tee caddy. 1,789,910; Jan. 20.
Rosenstein, William H., et al, executors. (See Rosenstein, Sidney.)
Rosenthal, Arthur, Grand Rapids, Mich. Apparatus and process for printing letterheads. 1,825,821; Oct. 6.
Rosenthal, Arthur, Grand Rapids, Mich. Printing machine. 1,826,525; Oct. 6.
Rosenthal, August. (See Rosenthal, Carl and A.)
Rosenthal, August, assignor to Rosenthal Corn Husker Co., West Allis, Wis. Belt pulley. 1,831,367; Nov. 10.
Rosenthal, Béla, Budapest, Hungary. Powder box. 1,800,230; Apr. 14.
Rosenthal, Carl and A., assignors to Rosenthal Manufacturing Co., West Allis, Wis. Clutch pulley. 1,831,395; Nov. 10.
Rosenthal China Corporation, The. (See Wesp, George, assignor.)
Rosenthal Corn Husker Co. (See Rosenthal, August, assignor.)
Rosenthal, Irwin, et al. (See Broillet, Jean B., assignor.)
Rosenthal, Leo. (See Dörr, E., Leuchs, and Rosenthal.)
Rosenthal, Leo, Vohwinkel, near Elberfeld, and W. Kropp, Elberfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Wood oil lacquer. 1,836,620; Dec. 15.
Rosenthal, Leon W., New York, N. Y. Toy electric railway and apparatus therefor. 1,798,171; Mar. 31.
Rosenthal Manufacturing Co. (See Rosenthal, Carl and A., assignors.)
Rosenthal, Max. (See Anania, James A., assignor.)
Rosenthal, Morris, Bronx, N. Y. Shoe ventilating and sweat preventing device. 1,831,396; Nov. 10.
Rosentreter, Meyer. (See Huber, J., and Rosentreter.)
Rosenzweig, Fred M., Niagara Falls, assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Induction train-control system. 1,798,703; Mar. 31.
Roser, Edmund, Mulheim-Ruhr, Germany, assignor, by mesne assignments, to C. H. Ellsworth. Rotary kiln. 1,798,500; Mar. 31.
Rosett, Joshua, New York, N. Y. Therapeutic device. 1,795,893; Mar. 10.
Rosewood, Alfred, San Francisco, Calif. Water faucet. 1,800,661; Apr. 14.
Rosewood, Alfred, San Francisco, Calif. Water faucet. 1,836,132; Dec. 15.
Rosewood, Alfred, San Francisco, Calif. Valve with detachable spout. 1,836,133; Dec. 15.
Rosicky, Walter, Omaha, Nebr. Necktie holder. 1,830,039; Nov. 3.
Rosin, Edwin A. (See Cone, C., and Rosin.)
Rosin, Edwin A. (See Drake, John L., and Rosin.)
Rosinsky, Joseph, New York, N. Y. Combined walking stick and cigar and cigarette carrier and lighter. 1,806,709; May 26.
Rösle, Heinrich A., assignor to J. M. Voith, Heidenheim-on-the-Brenz, Germany. Controlling apparatus for conduits. 1,814,857; July 14.
Roslyn, William, Bellingham, Wash. Window drape dust catcher. 1,829,813; Nov. 3.
Rosner, Adolph, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Power plant. 1,817,944; Aug. 11.
Rosner, Frank. (See Nelson, Richard, assignor.)
Ross, Alexander D., Montreal, Quebec, Canada. Welding apparatus. 1,803,135; Apr. 28.
Ross, Alfred G., Cincinnati, Ohio. Clothing retainer. 1,806,221; May 19.
Ross, Aubrey, Marblehead, Mass., assignor to General Electric Company. Gear wheel. 1,813,819; July 7.
Ross, Aubrey A., Marblehead, Mass., assignor to General Electric Company. Gear wheel and the like. 1,813,820; July 7.
Ross, Birton M., Germantown, Philadelphia, assignor of one-half to C. Pfleger, Philadelphia, Pa. Dough dividing and extruding machine. 1,788,330; Jan. 6.
Ross, Blair A., Memphis, Tenn. Revetment mat. 1,822,602; Sept. 8.
Ross, Blair A., Memphis, Tenn. Placing revetment mats. 1,822,603; Sept. 8.
Ross, Carmen E., assignor to W. W. Johnston, trustee, Vancouver, British Columbia, Canada. Sound amplifying device. 1,809,314; June 9.
Ross, Charles B., Greenleaf, Kans. Lawn mower sharpener. 1,807,934; June 2.
Ross, Charles L., Washington, D. C. Spring device. 1,805,600; May 19.
Ross, Charles L., Washington, D. C. Firearm. 1,805,601; May 19.
Ross, Charles W., jr., New Orleans, La. Pipe joint. 1,806,710; May 26.
Ross, Chester R., Cambridge, Mass. Splashless dishpan, basin and the like. 1,811,986; June 30.
Ross, Clyde P., Chicago, Ill. Combined coal and cinder handling plant. 1,824,930; Sept. 29.
Ross, David E., La Fayette, Ind. Dirigible frame. 1,788,595; Jan. 13.
Ross, David E., assignor to Trustees of Purdue University, La Fayette, Ind. Cornstalk and clod cutters attachment for tractors. 1,795,182; Mar. 3.
Ross, David H., Boston, Mass. Jardiniere. Des. 84,847; Aug. 11.
Ross, Don H., Kalamazoo, Mich. Paper cutter for rolled paper. 1,821,947; Sept. 8.
Ross, Donald W., and J. M. Lambie, Washington, Pa. Refractory heat insulating material. 1,812,376; June 30.
Ross, Donald W., and J. M. Lambie, Washington, Pa. Refractory and making the same. 1,818,506; Aug. 11.
Ross, Edgar S., Pittsburgh, Pa., assignor to The Philip Carey Manufacturing Company. Bituminous composition. 1,803,488; May 5.
Ross, Edgar S., Pittsburgh, Pa., assignor to The Philip Carey Manufacturing Company. Bituminous product. 1,817,933; Aug. 11.
Ross, Edward A., Gernt, Tenn. Saw filer. 1,806,222; May 19.
Ross, Edward T., San Francisco, and F. G. Veatch, Santa Rosa, Calif. Rat trap. 1,799,323; Apr. 7.
Ross, Elizabeth L., Albert Lea, Minn. Garbage container. 1,831,687; Nov. 10.
Ross, Elton F., Olympia, Wash. Threadless hose coupling. 1,838,574; Dec. 29.
Ross, Frank A., Wilmette, assignor to Stewart-Warner Corporation, Chicago, Ill. Flexible shaft coupling. 1,796,624; Mar. 17.
Ross, Frank L. (See Cassetty, W. M., jr., and Ross and Alford.)
Ross, Frederick N. (See Brintnall, F. W., and Ross.)
Ross, Frederick N., Grosse Pointe Park, and H. M. Ratley, Highland Park, Mich., assignors to National Automotive Fibres, Inc., Oakland, Calif. Sewing mechanism. 1,827,694; Oct. 13.
Ross Gear & Tool Company. (See Chandler, Franklin F., assignor.)
Ross Gear & Tool Company. (See Young, R. E., and Chandler, assignors.)
Ross, Harry, Bronx, assignor to Fur Guide Machine Corporation, New York, N. Y. Spool holder for fur sewing machines. 1,795,043; Mar. 3.
Ross, Harry M., assignor of one-half to Beveridge Paper Company, Indianapolis, Ind. Decorating paper. 1,809,146; June 9.
Ross, Harry M., assignor of one-half to Beveridge Paper Company, Indianapolis, Ind. Decorating paper. 1,810,145; June 16.
Ross, Harry M., assignor of one-half to Beveridge Paper Company, Indianapolis, Ind. Decorating paper. 1,819,793; Aug. 18.
Ross, Harwood C., Malvern, Ohio. Trim tile. 1,796,051; Mar. 10.
Ross Heater & Mfg. Co. Inc. (See Graham, Harold M., assignor.)
Ross, Irving W., et al. (See Ross, I. W., and Krob, assignors.)
Ross, Irving W., and J. S. Krob, assignors of one-half to I. W. Ross and one-half to J. S. Krob, Chicago, Ill. Stripping machine. 1,826,526; Oct. 6.
Ross, James G. (See Martus, M. L., Becker, and Ross.)
Ross, James W. (See Algeo, A. M., and Ross.)
Ross, James W. (See Algeo, A. M., Haub, and Ross.)
Ross, Jean R., executrix. (See Ross, John.)
Ross, J. O., Engineering Corporation. (See Ross, John O., assignor.)
Ross, John, deceased; J. R. Ross, executrix, assignor to Fonda Container Company, Inc., Utica, N. Y. Cover assembling machine. 1,829,111; Oct. 27.
Ross, John O., New York, N. Y., assignor to J. O. Ross Engineering Corporation, New York, N. Y. Heat economy method and apparatus. 1,819,265; Aug. 18.
Ross, John R. (See Heap, Thomas, assignor.)
Ross, Julian J., Kansas City, Mo. Transformer. 1,831,886; Nov. 17.
Ross, Lewis P., New York, N. Y. Cooling element for blast furnaces. 1,795,446; Mar. 10.
Ross, Malcolm D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ventilation of dynamo electric machines. 1,824,839; Sept. 29.
Ross, Malcolm R., Macon, Ga. Coal scuttle. 1,835,241; Dec. 8.
Ross Manufacturing Company, The. (See Marquis, Sydney, assignor.)
Ross, Oscar A. (See Baker, H. C., and Ross.)
Ross, Oscar A., New York, N. Y. Piston and method of forming thereof. 1,788,359; Jan. 6.

Ross, Oscar A., New York, N. Y. Focusing finder. 1,796,725; Mar. 17.
Ross, Oscar A., New York, N. Y. Motion-picture camera. 1,797,274; Mar. 24.
Ross, Oscar A., New York, N. Y. Seal. 1,818,650; Aug. 11.
Ross, Oscar A., New York, N. Y. Seal. 1,818,651; Aug. 11.
Ross, Oscar A., New York, N. Y. Focussing finder. 1,819,844; Aug. 18.
Ross, Oscar A., New York, N. Y. Folding metal box. 1,821,668; Sept. 1.
Ross, Oscar A., New York, assignor to General Railway Signal Company, Gates, N. Y. Automatic train control. 1,794,549; Mar. 3.
Ross, Oscar A., New York, assignor to General Railway Signal Company, Rochester, N. Y. Alternating-current relay. 1,795,144; Mar. 3.
Ross, Oscar A., New York, assignor to General Railway Signal Company, Rochester, N. Y. Magnetic car retarder. 1,818,933; Aug. 11.
Ross, Oscar A., New York, N. Y. System for forming explosive charges and apparatus therefor. 1,829,875; Nov. 3.
Ross, Oscar A., New York, N. Y. Focus and finding apparatus for motion picture cameras. 1,836,340; Dec. 15.
Ross, Oscar P. (See Coughlin, J. M., and Ross.)
Ross, Percy A. (See Mershon, R. D., and Ross.)
Ross, R. L., and Company. (See Hargreaves, William, assignor.)
Ross, Samuel E. (See Scott, B. H., Ross, and Norris.)
Ross, Sherman, and O. H. McMaken, assignors to The Favorite Stove and Range Company, Piqua, Ohio. Oven plate. 1,787,639; Jan. 6.
Ross, Stanley D., and C. F. Edwards, Vancouver, British Columbia, Canada. Lubricator for internal combustion engines. 1,807,437; May 26.
Ross, Stanley D., and C. F. Edwards, Vancouver, British Columbia, Canada. Lubricator for internal combustion engines. 1,833,913; Dec. 1.
Ross, Taylor W., assignor to Thomas Graham & Co., Inc., Madison, Ind. Chair or the like. Des. 83,009; Jan. 6.
Ross, Taylor W., assignor to Thomas Graham & Co., Inc., Madison, Ind. Seat. Des. 83,835; Mar. 31.
Ross, Thomas W. (See Bell, H. G., and Ross.)
Ross, Wallace B., Syracuse, assignor to Diemolding Corporation, Canastota, N. Y. Valve operating handle. 1,825,364; Sept. 29.
Ross, Wallace B., Syracuse, assignor to Diemolding Corporation, Canastota, N. Y. Valve handle. 1,829,371; Oct. 27.
Ross, Walter F., Detroit, Mich. Internal combustion engine. 1,802,577; Apr. 28.
Ross, Walter F., Detroit, Mich. Internal combustion engine. 1,831,263; Nov. 10.
Ross, Walter S. (See Strachan, Hugh B., assignor.)
Ross, William, Anaconda, Mont. T-square with sliding pivoted blade. 1,807,438; May 26.
Ross, William, Surbiton, England. Grizzly and screen for grading materials. 1,823,126; Sept. 15.
Rossebo, George H., and F. Hoke, assignors to The Holcomb & Hoke Mfg. Co., Indianapolis, Ind. Pop corn machine. 1,818,276; Aug. 11.
Rosselle, Robert S., Seattle, Wash. Oven rack. 1,819,388; Aug. 18.
Rossetti, George, Chicago, Ill. Nut lock. 1,813,640; July 7.
Rössger, Walter, Heidenau-Sud, assignor to the Firm Rockstroh-Werke Aktiengesellschaft, Heidenau, Germany. Rotary offset printing machine. 1,816,796; July 28.
Rossi, Luigi, Turin, Italy. Leaf-spring suspension for vehicles. 1,792,038; Feb. 10.
Rossi, Paul A., Campbell, Ohio. Heat-retaining device. 1797,102; Mar. 17.
Rossig, Armond G., New York, N. Y. Electric candle lamp stand. Des. 85,547; Nov. 10.
Rossig, Armond G., New York, N. Y. Electric candle lamp stand. Des. 85,714; Dec. 8.
Rossinow, Martin M. (See Schneider, S., and Rossinow.)
Rossiter, Jay A., Houston, Tex. Fluid seal for rods. 1,796,537; Mar. 17.
Rossman, Allen M., assignor, by mesne assignments, to Rossman Patent, Incorporated, Chicago, Ill. Clamp. 1,803,508; May 5.
Rossman, Allen M., assignor, by mesne assignments, to Rossman Patents, Incorporated, Chicago, Ill. Adjustable speed drive. 1,828,943; Oct. 27.
Rossman, Allen M., assignor, by mesne assignments, to Rossman Patents, Incorporated, Chicago, Ill. Adjustable speed drive. 1,828,944; Oct. 27.
Rossman, Allen M., assignor, by mesne assignments, to Rossman Patents, Incorporated, Chicago, Ill. Trolley system for electric railways. 1,828,945; Oct. 27.
Rossman, Allen M., assignor, by mesne assignments, to Rossman Patents, Incorporated, Chicago, Ill. Track and changeover mechanism for electric railway systems. 1,828,946; Oct. 27.
Rossman, Allen M., assignor, by mesne assignments, to Rossman Patents, Incorporated, Chicago, Ill. Drive. 1,828,947; Oct. 27.
Rossman, Allen M., assignor, by mesne assignments, to Rossman Patents, Incorporated, Chicago, Ill. Adjustable speed drive adapted for traction purposes. 1,828,948; Oct. 27.
Rossman, Allen M., assignor, by mesne assignments, to Rossman Patents, Incorporated, Chicago, Ill. Electric traction. 1,828,949; Oct. 27.
Rossman, Allen M., assignor, by mesne assignments, to Rossman Patents, Incorporated, Chicago, Ill. Electrical switching station. 1,830,409; Nov. 3.
Rossman, Allen M., Wilmette, assignor to Rossman Patents, Inc., Chicago, Ill. System of adjustable speed control for alternating current motors. 1,830,485; Nov. 3.
Rossman, Allen M., assignor, by mesne assignments, to Rossman Patents, Incorporated, Chicago, Ill. Unit pipe clamp fittings. 1,835,338; Dec. 8.
Rossman, Allen M., assignor, by mesne assignments, to Rossman Patents, Incorporated, Chicago, Ill. Angular pipe clamp fittings. 1,835,339; Dec. 8.
Rossman, Benjamin, Providence, R. I., assignor to A. & Z. Chain Company. Bracelet end connecter. 1,836,772; Dec. 15.
Rossman, Edwin F., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,819,523; Aug. 18.
Rossman, Edwin F., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,828,445; Oct. 20.
Rossman, Edwin F., assignor to Delco Products Corporation, Dayton, Ohio. Shock absorber. 1,828,446; Oct. 20.
Rossman, Edwin F., assignor to Delco Products Corporation, Dayton, Ohio. Hydraulic shock absorber. 1,831,141; Nov. 10.
Rossman, Edwin F., assignor to Delco-Products Corporation, Dayton, Ohio. Hydraulic shock absorber. 1,836,399; Dec. 15.
Rossman, Frank, St. Paul, Minn. Lawn trimming device. 1,833,535; Nov. 24.
Rossman Patents Inc. (See Rossman, Allen M., assignor.)
Rossner, Eugene A., Detroit, Mich. Ring. 1,830,337; Nov. 3.
Rostek, Vinzent R., Philadelphia, Pa. Pressure steam cooker. 1,826,366; Oct. 6.
Roswell, Otto W., Los Angeles, Calif. Device for plugging pipes. 1,789,024; Jan. 13.
Rotary Machine Company. (See Christiansen, Christian, assignor.)
Rotary Pressure Cooler Company. (See Vanderwerp, Henry, assignor.)
Rotary Utility Corporation. (See McGerry, J. J., and Whiting, assignors.)
Rotawasher Corporation, The. (See Robinson, Frederick E., assignor.)
Roterkleen Manufacturing Company. (See Day, Howard D., assignor.)
Rötger, Hans, and F. Stoewener, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Catalytic process. 1,828,380; Oct. 20.
Roth, Benjamin, St. Louis, Mo. Smoke abater and smut remover. 1,798,356; Mar. 31.
Roth, Benjamin, St. Louis, Mo. Warning device for electric push-buttons, etc. 1,807,344; May 26.
Roth, Carl, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Electrolytic cell. 1,793,136; Feb. 17.
Roth, Charles H., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Photographic-studio set. 1,799,866; Apr. 7.
Roth, Charles H., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Camera. 1,804,061; May 5.
Roth, Clarence H., (See Ness, H. J., and Roth.)
Roth, Ernest W. (See Dickey, S. J., and Roth.)
Roth, Ernst, Lautawerk/Lausitz, Germany. Apparatus for charging aluminum producing furnaces. 1,837,070; Dec. 15.
Roth, Eugène L., Antwerp, Belgium. Finger-exercising device. 1,798,385; Mar. 31.
Roth, Eugène L., Antwerp, Belgium. Finger-exercising device. 1,798,386; Mar. 31.
Roth, G. A., Manufacturing Company. (See Cleland, Melvin L., assignor.)
Roth, George J., Los Angeles, Calif. Fish tape puller. 1,809,068; June 9.
Roth, Herman, assignor to Electro Flushing & Manufacturing Company, Milwaukee, Wis. Plumbing fixture. 1,793,252; Feb. 17.
Roth, Hilda Y. (See Vargo, Frank, assignor.)
Roth, Jacob M., Pittsburgh, Pa. Hot top. 1,789,883; Jan. 20.
Roth, Karl, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Electrode for electrolytic cells. 1,790,248; Jan. 27.
Roth, Karl, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Electrode for electrolytic cells. 1,790,249; Jan. 27.
Roth, Lester B., assignor to Eclipse Lawn Mower Company, Prophetstown, Ill. Lawn mower. 1,826,899; Oct. 13.
Roth Rubber Company. (See Knight, William W., assignor.)
Rothe, Frederick E., Wentzville, Mo. Barber chair. 1,805,189; May 12.
Rothe, Fritz, Aachen, and H. Brenek, Porz, near Cologne, assignors to Rhenania Verein Chemischer Fabriken A. G., Cologne, Germany. Transformation of gypsum. 1,790,023; Jan. 27.

Rothe, Fritz, and H. Brenek, assignors to the firm: Rhenania-Kunheim Verein Chemischer Fabriken Aktiengesellschaft, Berlin, Germany. Obtaining alumina and phosphates. 1,810,402; June 16.

Rothe, Fritz, and H. Brenek, assignors to the Firm: Rhenania-Kunheim Verein Chemischer Fabriken A. G., Berlin, Germany. Manufacture of manures. 1,823,849; Sept. 15.

Rothe, Fritz, and H. Brenek, assignors to the firm Rhenania-Kunheim Verein Chemischer Fabriken A. G., Berlin, Germany. Obtaining barium-ortho-silicate or barium-tri-silicate by the decomposition of barium carbonate. 1,824,298; Sept. 22.

Rothe, Fritz, and H. Brenek, assignors to the Firm Rhenania-Kunheim Verein Chemischer Fabriken, Aktiengesellschaft, Berlin, Germany. Obtaining barium aluminate. 1,831,824; Nov. 17.

Rotheim, Erik, Oslo, Norway. Atomizing or distribution of liquid or semiliquid materials. 1,800,156; Apr. 7.

Rothelius, Carl G. B., assignor to Aktiebolaget Formator, Stockholm, Sweden. Machine for stripping tobacco leaves. 1,810,792; June 16.

Rothen, Edward M., assignor to Russell & Stoll Company, New York, N. Y. Illuminating unit for swimming pools. 1,792,398; Feb. 10.

Rotheram, John, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Plate-glass-polishing block. 1,798,633; Mar. 31.

Rothermel, James E., Lebanon, Pa. Pot or vase holder. 1,830,769; Nov. 10.

Rothermel, Samuel W., Lynbrook, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y. Distributor transmitter for simplex telegraph circuits. 1,805,374; May 12.

Rothermel, Samuel W., Lynbrook, N. Y., and E. W. Hewitt, Stamford, Conn., assignors to The Western Union Telegraph Company, New York, N. Y. Call signal and motor control for simplex printers. 1,803,304; Apr. 28.

Rothgarn, Andrew E., assignor to S. C. Clow, Minneapolis, Minn. Pneumatic car puller. 1,810,680; June 16.

Rothholz, William A., New York, N. Y. Automatic releasing mechanism. 1,789,115; Jan. 13.

Rothman, Abraham J., New York, N. Y. Combined ironing machine and utility table. 1,789,987; Jan. 27.

Rothman, Charlie C., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Silent chain. 1,822,749; Sept. 8.

Rothman, Harry, New York, N. Y. Steam marcel iron. 1,798,760; Mar. 31.

Rothmann, Gerhard, Herne Westphalia, Germany. Device for automatically regulating air compressors. 1,799,180; Apr. 7.

Rothrock, George L., assignor to General Motors Corporation, Detroit, Mich. Internal brake. 1,798,954; Mar. 31.

Rothrock, Moses J., Portland, Oreg. Thermostat draft control. 1,834,348; Dec. 1.

Rothschild, Joseph, Buffalo, N. Y. Airplane. 1,829,372; Oct. 27.

Rothschild, Sidney, New York, N. Y. Cord or rope holding device. 1,808,075; June 2.

Rothstein, Barnett, Wilkes-Barre, Pa. Sanding device. 1,818 815; Aug. 11.

Rothwell, Ralph B., Los Angeles, Calif. Dispensing device. 1,826,189; Oct. 6.

Rottel, Herman W., Milwaukee, Wis. Water-supply system. 1,798,275; Mar. 31.

Rottenburg, Louis, Glasgow, Scotland. Tuning scale for wireless apparatus. 1,802,187; Apr. 21.

Rottinghaus, Oscar, Norwood, Ohio. Reflector for warm air furnace registers. 1,825,423; Sept. 29.

Röttke, Hermann A. P., Berlin, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Ruling device. 1,808,257; June 2.

Rottloff, Oswin, assignor to Firm A. Robert Wieland, Auerbach, near Chemnitz, Germany. Flat knitting machine with auxiliary device. 1,833,536; Nov. 24.

Rottman, George, Brooklyn, N. Y. Safety apparatus for motor vehicles. 1,804,032; May 5.

Rottum, Charles. (See Stonequist, Lawrence W., assignor.)

Rouanet, Louis, assignor to Compagnie d'Applications Mecaniques, Ivry-Port, Seine, France. Brake-operating device for motor vehicles. 1,795,145; Mar. 3.

Rouanet, Louis, Ivry-Port, assignor to Compagnie d'Applications Mecaniques, Paris, France. Attaching shock absorbers. 1,797,929; Mar. 24.

Rouanet, Louis, Ivry-Port, assignor to Compagnie d'Applications Mecaniques, Ivry-Port, Seine, France. Brake operating device for motor vehicles. 1,807,707; June 2.

Roučka, Erich, Blansko, Szechoslovakia. Fuel feed controlling mechanism. 1,835,088; Dec. 8.

Roučka, Erich, Blansko, Czechoslovakia. Apparatus for controlling fuel feed in furnaces. 1,835,089; Dec. 8.

Roučka, Erich, Blansko, Czechoslovakia. Automatic fuel feeding apparatus. 1,835,090; Dec. 8.

Roučka, Erich, Blansko, Czechoslovakia. Boiler. 1,835,091; Dec. 8.

Rougerie, Lucien, Versailles, assignor to Etablissements Aera, Paris, France. Training device for pilots. 1,797,794; Mar. 24.

Rouiller, Georges, and J. Marion, Paris, France. Projecting mechanism. 1,799,867; Apr. 7.

Rouiller, Georges, and J. Marion, Paris, France. Cinematographic projecting apparatus. 1,818,432; Aug. 11.

Rouleau, David L., Mount Clemens, Mich. Apparatus for topping pottery. 1,792,036; Feb. 10.

Rouleau, David L., Mt. Clemens, Mich. Toll holder. 1,792,037; Feb. 10.

Rouleau, David L., Mount Clemens, Mich. Pottery topping machine. 1,836,817; Dec. 15.

Rouleau, Wilfred J., Quincy, Mass., assignor to Dayton Scale Company, Dayton, Ohio. Computing scale. 1,835,903; Dec. 8.

Roulet, Norman L., Toledo, Ohio. Trophy plaque. Des. 84,374; June 9.

Roumens, Jean, Paris, France. Shock absorbing device. 1,822,824; Sept. 8.

Round, Henry J., London, England, assignor to Radio Corporation of America. Loud speaker. 1,809,571; June 9.

Round, Henry J., Muswell Hill, London, England, assignor to Radio Corporation of America, New York, N. Y. Thermionic amplifier and detector. 1,811,095; June 23.

Round, Henry J., London, England, assignor to Radio Corporation of America. Heating filaments. 1,815,131; July 21.

Round, Henry J., London, England, assignor to Radio Corporation of America. Thermionic amplifier and oscillation generator. 1,819,845; Aug. 18.

Round Oak Furnace Company. (See Burch, Elwood S., assignor.)

Rounds, John A., Fort Scott, Kans. Lubricating friction plate for driving boxes. 1,795,734; Mar. 3.

Rounds, Samuel J., Perth Amboy, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Hemstitch attachment for sewing machines. 1,801,386; Apr. 21.

Rountree, Harry B., Santa Barbara, Calif. Device for disposing of small articles. 1,824,299; Sept. 22.

Rourke, Frank B., et al. (See Miller, Frans E., assignor.)

Rouse, Frank, Houston, Tex. Molding machine. 1,803,408; May 5.

Rouse, Jesse B., Dunn, N. C. Accelerator heat protector. 1,810,625; June 16.

Rouse, Thomas C., Wilmington, Del. Holder for milk bottles and the like. 1,804,645; May 12.

Rousek, John E., Chicago, Ill., and C. A. Henry, West Burlington, Iowa. Weather shield. 1,802,353; Apr. 28.

Rousseau, Ernest J. (See Hatton, W., De Vriendt, and Rousseau.)

Rousseau, Frank L., Chicago, Ill. Safety pack holder. 1,800,806; Apr. 14.

Roussel, Raoul, Montreal, Quebec, Canada. Water heater. 1,801,642; Apr. 21.

Roust, Henry A., Montevideo, assignor of one twenty-fifth to C. R. Wenstrom, St. James, and one twenty-fifth to G. A. Anderson, Mankato, Minn. Soap-lather dispenser. 1,796,165; Mar. 10.

Routhe, Christian F., Redwood Falls, Minn. Conveyer for grain binders. 1,821,277; Sept. 1.

Routin, Joseph L., Paris, France. Wireless receiving apparatus. 1,833,592; Nov. 24.

Routledge, John I., Ettrick, Ontario, Canada. Glazier's point. 1,828,341; Oct. 20.

Routman, Frank N., Cleveland Heights, Ohio. Protective hanger and holder for emblems. 1,801,387; Apr. 21.

Routson, Thomas C. (See Bunce, E. H., and Routson.)

Roux, Adrian P., Oriskany, N. Y., assignor to General Cable Corporation, New York, N. Y. Metallurgical apparatus. 1,829,158; Oct. 27.

Roux, William S. (See Von Pein, E. J., and Roux.)

Röver, Albert, assignor to Steinle & Hartung, G. m. b. H., Quedlinburg, Germany. Pressure gauge. 1,809,759; June 9.

Rovirosa, Guillermo, Barcelona, Spain. Mechanical toy. 1,795,183; Mar. 3.

Rovito, Adolph, et al. (See Sheckels, R. C., and Carson, assignors.)

Rowan, Harry B., North Attleboro, Mass., assignor to Whiting & Davis Company. Metal mesh fabric. Des. 83,752; Mar. 24.

Rowand, Lewis G., Brooklyn, N. Y., and J. S. Pellett, Franklin, N. J., assignors to The New Jersey Zinc Company, New York, N. Y. Drier. 1,835,530; Dec. 8.

Rowbottom, James J., Chicago, Ill. Ash tray. Des. 84,054; Apr. 28.

Rowbottom, James J., Chicago, Ill. Smoker's stand lamp. Des. 84,055; Apr. 28.

Rowbottom, James J., Chicago, Ill. Combined smoker's stand lamp. Des. 84,598; July 7.

Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Lawn mower. 1,818,583; Aug. 11.

Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Trellis 1,835,092; Dec. 8.

Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Garden tool. 1,836,341; Dec. 15.

Rowe, Clement J., assignor to The Egry Register Company, Dayton, Ohio. Rewinding mechanism. 1,809,147; June 9.

Rowe, George E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glassware buck. 1,802,928; Apr. 28.

Rowe, George E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Chain conveyer. 1,805,430; May 12.

Rowe, George E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Leer stacker. 1,809,989; June 16.

Rowe, George E., West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn. Glassware transfer device. 1,823,574; Sept. 15.
Rowe, George E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Cleat conveyer. 1,828,232; Oct. 20.
Rowe Manufacturing Company. (See Rowe, Alvin V., assignor.)
Rowe, Roy M., Wenatchee, Wash. Brush cutting apparatus. 1,830,245; Nov. 3.
Rowe, William H. (See Dixon, Fate, assignor.)
Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Barrel liner and forming same. 1,827,111; Oct. 13.
Rowell, Charles V., McMahons Point, near Sydney, New South Wales, Australia. Vacuum brake. 1,809,491; June 9.
Rowell, John T. (See Wright, J. T., and Rowell.)
Rowland, Davidge H., Baltimore, and J. C. Robertson, Annapolis, assignors to Locke Insulator Corporation, Baltimore, Md. Measuring apparatus. 1,822,458; Sept. 8.
Rowland, Herbert R., assignor to Corona Conversion Corporation, Kansas City, Mo. Apparatus for electrical treatment of gases and vapors. 1,837,489; Dec. 22.
Rowland Manufacturing Company. (See Lydiksen, Henry, assignor.)
Rowland, Roger W., assignor to New Castle Refractories Company, New Castle, Pa. Ware support. 1,813,085; July 7.
Rowland, Simon M., Cloverport, Ky. Violin. 1,788,745; Jan. 13.
Rowland, Thomas C. E., Sparkhill, Birmingham, and H. M. Dudgeon, Perry Barr, Birmingham, England. Current collector for electric tramway and railway vehicles. 1,809,492; June 9.
Rowland, William L., Mosier, Oreg. Valve tappet adjusting tool. 1,824,300; Sept. 22.
Rowlands, Thomas, Sheffield, England. Process and apparatus for the treatment of metallic ores or other metallic products. 1,795,681; Mar. 10.
Rowledge, Eric G., New Eltham, London, assignor to J. Stone & Company Limited, Deptford, England. Refrigerator plant. 1,834,873; Dec. 1.
Rowles, Robert R., Goodhue, Minn. Carburetor. 1,821,988; Sept. 8.
Rowles, Walter M., Onawa, Iowa. Granary ventilator structure. 1,817,270; Aug. 4.
Rowles, Walter M., assignor to Economy Housing Co., Inc., Onawa, Iowa. Tourist house. Des. 84,958; Aug. 25.
Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Fire-extinguishing apparatus. 1,798,034; Mar. 24.
Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Thermosensitive release unit. 1,808,684; June 2.
Rowley, Donald D., and D. M. McLellan, Buffalo, N. Y. Screen for automobiles. 1,816,196; July 28.
Rowley, Guy O., San Jose, Calif. Hair curler. 1,820,498; Aug. 25.
Rowley, John V., Fortuna, Calif. Extracting minerals from stream beds. 1,802,836; Apr. 28.
Rowley, William S., and H. W. Butterworth, jr., Philadelphia, Pa., assignors to H. W. Butterworth & Sons Company. Treating textile fabrics. 1,825,478; Sept. 29.
Rowling, Thomas N., Outremont, Quebec, Canada. Pipe clip. 1,787,734; Jan. 6.
Rowntree, Harold, Scarsdale, assignor to National Pneumatic Company, New York, N. Y. Engineless treadle control for vehicle doors. 1,788,409; Jan. 13.
Rowntree, Harold, Scarsdale, assignor to National Pneumatic Company, New York, N. Y. Heel and toe control of vehicles. 1,805,263; May 12.
Rowntree, Harold, Scarsdale, N. Y., assignor to National Pneumatic Company, New York, N. Y. Automatically operated door for passageways. 1,825,128; Sept. 29.
Rowntree, Harold, Scarsdale, N. Y., assignor to National Pneumatic Company, New York, N. Y. Door operating mechanism. 1,825,129; Sept. 29.
Rowse, William A., assignor of one-fourth to R. R. Norris, Seattle, Wash. Combined order-sheet holder and index. 1,787,735; Jan. 6.
Rowton, Harold S., Aberdeen, Scotland, and Volkmar W. Hänig, Dresden, Germany. Construction of fish-meal plants. 1,793,638; Feb. 24.
Roxbury Carpet Company. (See Florczyk, Joseph F., assignor.)
Roy, Abraham W., Lowell, Mass. Brace mounting. 1,808,610; June 2.
Roy Manufacturing Company. (See Mathewson, Wilfred B., assignor.)
Roy, Mildred R., Jackson, Tenn. Necktie. 1,819,922; Aug. 18.
Roy, Walter M., Devon, Pa. Turning signal switch. 1,828,950; Oct. 27.
Roy, Wilfrid J., East Orange, assignor to Gemex Company Newark, N. J. Watch-bracelet-connecting device 1,792,931; Feb. 17.
Roy, Wilfrid J., East Orange, assignor to Gemex Company, Newark, N. J. Chain connecter. 1,793,511; Feb. 24.
Roy, Wilfrid J., East Orange, assignor to Gemex Company, Newark, N. J. Bracelet clasp. 1,806,265; May 19.
Roy, Wilfrid J., East Orange, assignor to Gemex Company, Newark, N. J. Foldable extension device. 1,829,675; Oct. 27.
Roy, William O., Montreal, Quebec, Canada. Flower holder. 1,828,295; Oct. 20.
Royal-Allen-Mair, Inc. (See Royal, Thomas M., assignor.)
Royal Baking Powder Company. (See Henzerling, Herman L., assignor.)
Royal Baking Powder Company. (See Stokes, W. E., and Wright, assignors.)
Royal Display, Inc. (See King, John K., assignor.)
Royal Electric Company. (See Riesman, Joseph G.)
Royal, James M., Villa Park, Ill. Airplane engine. 1,808,380; June 2.
Royal Metal Works. (See Clausing, Louis F., assignor.)
Royal Protector Company. (See Sterling, Royal, assignor.)
Royal Railway Improvements Corporation. (See Sauvage, William H., assignor.)
Royal, Thomas M., Philadelphia, Pa., assignor, by mesne assignments, to Royal-Allen-Mair, Inc., Dover, Del. Bag. 1,814,967; July 14.
Royal Typewriter Company. (See Degener, Gustave O., assignor.)
Royal Typewriter Company. (See Handley, George F., assignor.)
Royal Typewriter Company. (See Hart, Henry J., assignor.)
Royal Typewriter Company. (See Hess, Edward B., assignor.)
Royal Typewriter Company. (See Myers, Lewis C., assignor.)
Royal Typewriter Company. (See Myers, L. C., and Handley, assignors.)
Royal Typewriter Company. (See Scherer, Gilbert M., assignor.)
Royal Typewriter Company. (See Utz, Anthony, assignor.)
Royal Worcester Corset Company. (See Cohen, Jacob, assignor.)
Royal Worcester Corset Company. (See Davis, Clarence T., assignor.)
Royal Worcester Corset Company, The. (See Wittenberg, Margaret H., assignor.)
Royce, Frederick H., West Wittering, near Chicester, England, assignor to Rolls Royce Limited, Derby, England. Hydraulic shock absorber. 1,805,924; May 19.
Royce, Frederick H., Elmstead, West Wittering, Chichester, assignor to Rolls Royce Limited, Derby, England. Carburetor. 1,813,866; July 7.
Royce, Frederick H., Elmstead, West Wittering, near Chichester, assignor to Rolls Royce Limited, Derby, England. Suspension of engines for self propelled road vehicles. 1,829,676; Oct. 27.
Royce, Frederick H., Elmstead, West Wittering, near Chichester, assignor to Rolls Royce Limited, Derby, England. Mounting engines in motor vehicles. 1,829,677; Oct. 27.
Royce, Willard K., Clackamas, Oreg. Fastener. 1,815,588; July 21.
Royden, George T., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio signaling system. 1,793,016; Feb. 17.
Royden, George T., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio compass system. 1,831,465; Nov. 10.
Royer, George. (See Davies, G., Ridge, and Royer.)
Royer, William R., Wyoming, Pa. Auxiliary apparatus for tire valves. 1,812,610; June 30.
Royle, Cyril N., Newton-Le-Willows, England. Notch fitting for umbrellas. 1,803,072; Apr. 28.
Royle, Herbert S., Philadelphia, Pa. Textile fabric. Des. 84,056; Apr. 28.
Royle, Herbert S., Philadelphia, Pa. Textile fabric. Des. 84,375; June 9.
Royle, Herbert S., Philadelphia, Pa. Textile fabric. Des. 85,059; Sept. 8.
Royle, Joseph, et al. (See Fleck, Philip H., assignor.)
Royles Limited. (See Howles, Fred, assignor.)
Roys, Herman E. (See Zieley, J. D., and Roys.)
Roys, Willis E., Brooklyn, N. Y. Automatic heat control for radiators. 1,789,911; Jan. 20.
Royster, Royall H., Oxford, N. C. Airplane. 1,808,996; June 9.
Rozdilski, John, assignor of one-half to J. A. Keihart, Mayfield, Pa. Needle threader. 1,803,918; May 5.
Ruau, Félix F., Deptford, London, assignor to Molins Machine Company Limited, London, England. Cigarette-making machinery. 1,787,551; Jan. 6.
Ruau, Felix F., Deptford, London, England. Cigarette-making machine. 1,822,316; Sept. 8.
Rubalcaba, José, Los Angeles, Calif. Alligator wrench. 1,808,821; June 9.
Rubazewicz, William A., Jamaica, N. Y. Combined curtain and drapery fixture. 1,793,512; Feb. 24.
Rubber & Celluloid Products Co. (See Denton, Thomas B., assignor.)
Rubber Craft Products Company. (See Derr, Earle W., assignor.)
Rubber Latex Research Coroporation. (See Wescott, William B., assignor.)
Rubber Service Laboratories Company, The. (See Bartram, T. W., and Tompkins, assignors.)
Rubber Service Laboratories Company, The. (See Byers, Horace G., assignor.)
Rubber Service Laboratories Company, The. (See Ingram, Joseph R., assignor.)
Rubber Service Laboratories Company, The. (See Magoun, G. L., and Tompkins, assignors.)

Rubber Service Laboratories Co., The. (See North, Clayton O., assignor.)
Rubber Service Laboratories Company, The. (See North, C. O., and Christensen, assignors.)
Rubber Service Laboratories Company, The. (See Scott, Winfield, assignor.)
Rubber Service Laboratories Co., The. (See ter Horst, William P., assignor.)
Rubber Service Laboratories Company, The. (See Sibley, Robert L., assignor.)
Rubber Service Laboratories Company, The. (See Tompkins, Deal H., assignor.)
Rubber Service Laboratories Company. (See Vignos, James C., assignor.)
Rubber Shock Insulator Corporation, The. (See Leipert, August H., assignor.)
Rubber Shock Insulator Corporation, The. (See Masury, Alfred F., assignor.)
Rubber Surfacers, Inc. (See Carnahan, George H., assignor.)
Rubberoid Co., The. (See Floring, William M., assignor.)
Rubbersan Products Inc. (See Vernet, Waldemar, assignor.)
Rubel, Abraham L., assignor to Bastian-Morley Co., La Porte, Ind. Switch mechanism. 1,831,368; Nov. 10.
Rubel, Charles F. (See Riviere, A. S., and Rubel.)
Rubel, Charles F., Chicago, Ill., and E. E. Gratsch, St. Louis, Mo., assignors to Union Special Machinery Company, Chicago, Ill. Oil collector for sewing machines. 1,812,377; June 30.
Ruben Patents Company. (See Ruben, Samuel, assignor.)
Ruben Rectifier Corporation. (See Ruben, Samuel, assignor.)
Ruben, Samuel, New York, N. Y. Sound-emitting apparatus. 1,799,646; Apr. 7.
Ruben, Samuel, assignor to Ruben Patents Company, New York, N. Y. Electron-emission element. 1,799,645; Apr. 7.
Ruben, Samuel, assignor to Ruben Patents Company, New York, N. Y. Electric discharge display device. 1,805,108; May 12.
Ruben, Samuel, assignor, by mesne assignments, to Ruben Tube Company, New York, N. Y. Photo-electric cell. 1,807,326; May 26.
Ruben, Samuel, assignor to Ruben Patents Company, New York, N. Y. Gaseous discharge device. 1,809,912; June 16.
Ruben, Samuel, assignor to Ruben Patents Company, New York, N. Y. Electrical relay. 1,815,483; July 21.
Ruben, Samuel, New York, N. Y., assignor to Ruben Tube Company, Englewood, N. J. Vacuum tube. 1,815,931; July 28.
Ruben, Samuel, New York, N. Y., assignor to Ruben Tube Company. Electron discharge tube. 1,828,203; Oct. 20.
Ruben, Samuel, New York, N. Y., assignor to Ruben Tube Company. Vacuum tube and its elements. 1,828,545; Oct. 20.
Ruben, Samuel, New York, N. Y., assignor to Ruben Rectifier Corporation, Englewood, N. J. Electric current rectifier. 1,826,955; Oct. 13.
Ruben, Samuel, New York, N. Y., assignor to Ruben Tube Company. Heater element and making it. 1,829,237; Oct. 27.
Ruben, Samuel, New Rochelle, N. Y. Electric motor. 1,833,914; Dec. 1.
Ruben Tube Company. (See Ruben, Samuel, assignor.)
Rubens, Daisy S. (See Marin, J. M. I., and Rubens.)
Ruberoid Co., The. (See Calkins, Lloyd E., assignor.)
Ruberoid Co., The. (See Lloyd, Hubert E., assignor.)
Rubin, Adolph, St. Louis, Mo. Refrigerator latch. 1,810,530; June 16.
Rubin, Adolph, St. Louis, Mo. Refrigerator latch. 1,810,531; June 16.
Rubin, Adolph, St. Louis, Mo. Refrigerator latch. 1,810,532; June 16.
Rubin, Adolph, St. Louis, Mo. Refrigerator latch. 1,810,533; June 16.
Rubin, Adolph, St. Louis, Mo. Spring hinge. 1,810,534; June 16.
Rubin, Benjamin, Philadelphia, Pa., assignor to Rubin Patents Corporation. Detachable tread member. Des. 18,054; Apr. 21.
Rubin, Jacob. (See Huber, J., and Rosentreter, assignors.)
Rubin, Noah, assignor to H. Goodman & Sons, Inc., New York, N. Y. Buckle. 1,795,146; Mar. 3.
Rubin Patents Corporation. (See Rubin, Benjamin, assignor.)
Rubinger, Ralph, assignor to Duplan Silk Corporation, New York, N. Y. Scarf or similar article. Des. 83,937; Apr. 14.
Rubsam, Charles F., Jackson, Mich. Demountable rim. 1,799,254; Apr. 7.
Rubsam, Charles F., Jackson, Mich. Vaporizer. 1,805,844; May 19.
Ruby, George H. A., Grand Rapids, Mich. Plaster mixture. 1,799,324; Apr. 7.
Ruby, George H. A., East Grand Rapids, Mich. Plaster of Paris composition. 1,799,325; Apr. 7.
Ruchie, Henry J., assignor of one-half to L. G. Gerlach, St. Paul, Minn. Hoisting clothesline pole. 1,822,907; Sept. 15.
Ruck, Richard M., Leamington, England. Gear changing apparatus. 1,823,766; Sept. 15.
Rucker, Charles M. (See Durham, H. W., and Rucker.)
Rucker, George H., Stockton, assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Sheet metal brake. 1,806,986; May 26.
Rudat, Paul C., assignor to Triple "XXX" Company, Galveston, Tex. Apparatus for carbonating and dispensing liquids. 1,838,286; Dec. 29.
Rudd, Frank E., Louisville, Ky. Textile fabric. Des. 84,443; June 16.
Rudd, Frank E., Louisville, Ky. Textile fabric. Des. 85,204; Sept. 22.
Rudder, George, Cynthiana, Ky., assignor of one-half to H. Payton, Cincinnati, Ohio. Burglarproof lock for window sashes. 1,799,480; Apr. 7.
Ruddy, Martin J. (See Jamison, Tobias H., assignor.)
Ruddy, Patrick J., Centralia, Pa. Pocket telegraph receptor. 1,797,696; Mar. 24.
Rude, Oscar T., Nona, N. Dak. Windmill. 1,805,008; May 12.
Rude, Ray N. (See Jeglum, O. F., and Hartwick, assignors.)
Rudeberg, Arvid, assignor to Aktiebolaget Menitor, Stockholm, Sweden. Propeller. 1,826,026; Oct. 6.
Rüdenberg, Reinhold, Berlin-Grunewald, Germany, assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,799,988; Apr. 7.
Rüdenberg, Reinhold, Berlin-Grunewald, Germany, assignor to Westinghouse Electric & Manufacturing Company, New York, N. Y. Circuit breaker. 1,813,202; July 7.
Rüdenberg, Reinhold, Berlin-Grünewald, Germany, assignor to Westinghouse Electric & Manufacturing Company. Protective system. 1,817,526; Aug. 4.
Rudenberg, Reinhold, Berlin-Grunewald, Germany, assignor to Westinghouse Electric & Manufacturing Company. High speed oil circuit breaker. 1,820,710; Aug. 25.
Ruder, William E., Schenectady, N. Y., assignor to General Electric Company. Working normally-brittle sheet metal. 1,801,110; Apr. 14.
Ruder, William E., Schenectady, N. Y., assignor to General Electric Company. Alloy. 1,833,723; Nov. 24.
Ruderman, James, Richmond Hill, and J. Eberson, Larchmont, N. Y. Stepped reenforced-concrete structure. 1,796,306; Mar. 17.
Rudge-Whitworth, Limited. (See Pugh, John V., assignor.)
Rüdiger, Walter, Berlin-Karlshorst, assignor to Telephon-Apparat Fabrik E. Zweitusch and Company, Berlin, Germany. Damp proof condenser. 1,827,112; Oct. 13.
Rudin, Karl V., Stockholm, Sweden. Calculating machine. 1,832,791; Nov. 17.
Rudin, Philip G., Pittsburgh, Pa. Mixing machine. 1,804,707; May 12.
Rudkin, William P., assignor of one-half to A. B. Claussen, Oklahoma City, Okla. Aeroplane. 1,794,923; Mar. 3.
Rudler, Francis X., Buffalo, N. Y. Time-controlled switch. 1,795,234; Mar. 3.
Rudnick, Paul, et al. (See Hershman, Paul R., assignor.)
Rudof, Morris, Los Angeles, Calif. Combination shaving brush and closure for collapsible tubes. 1,796,346; Mar. 17.
Rudolf, Henry J. G. (See Poole, J. L., and Rudolf.)
Rudolfs, Willem, Dayton, N. J., assignor to National Aluminate Corporation, Chicago, Ill. Increasing the rate of anaerobic digestion of sewage solids. 1,797,157; Mar. 17.
Rudolfs, Willem, Dayton, N. J., assignor to National Aluminate Corporation, Chicago, Ill. Treating sewage. 1,797,879; Mar. 24.
Rudolph, Alfred J., Bywood, Pa. Pressure equalizing means for heating systems. 1,811,406; June 23.
Rudolph, Alfred P., Denver, Colo. Massage device. 1,805,675; May 19.
Rudolph, Corrie F. (See Gebhard, L. A., and Rudolph.)
Rudolph, Harold V., Wilkinsburg, Pa., and W. H. Horsch, Wheaton, Ill., assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,815,448; July 21.
Rudolph, Paul, Grossbiesnitz, near Gorlitz, Germany. Lens system. 1,812,717; June 30.
Rudolph, Paul, Grossbiesnitz, near Gorlitz, Germany. Photographic lens. 1,833,593; Nov. 24.
Rudolph, Walter J., assignor to Jas. P. Marsh & Company, Chicago, Ill. Gauge construction. 1,821,669; Sept. 1.
Rudolph, Wilhelm. (See Settegast, B., and Rudolph.)
Rudolph, Wilhelm, assignor to the firm Electroacustic Gesellschaft mit beschränkter Haftung, Kiel, Germany. Hydraulic protrudable device for sound apparatus. 1,791,013; Feb. 3.
Rudolph, Wilhelm, and B. Settegast, assignors, by mesne assignments, to Echometer Gesellschaft mit beschränkter Haftung, Kiel, Germany. Lead for sounding purposes. 1,789,158; Jan. 13.
Rudqvist, Carl A., Stockholm, Sweden, assignor to Pulvis Aktiengesellschaft, Glarus, Switzerland. Power transmission. 1,830,564; Nov. 3.
Rudy Furnace Company. (See Torr, Thomas W., assignor.)
Rue, John D., Asheville, assignor to The Champion Fibre Company, Canton, N. C. Manufacture of a resistant pulp for paper making. 1,798,987; Mar. 31.
Rue, John D., Asheville, assignor to The Champion Fibre Company, Canton, N. C. Purification of chemical wood pulp. 1,827,857; Oct. 20.

Ruebsahm, Harry, San Antonio, Tex. Combination dresser and manicure table. 1,813,821; July 7.
Rued, Ole J., Minneapolis, Minn. Vibration absorber. 1,819,266; Aug. 18.
Ruedemann, Albert D. (See Lindstrom, L. O. B., and Ruedemann.)
Ruegg, Leonard. (See Schehl, Joseph W., assignor.)
Ruemelin, Richard, Milwaukee, Wis. Clamp. 1,816,197; July 28.
Ruemelin, Richard, Milwaukee, Wis. Dust arrester. 1,835,093; Dec. 8.
Ruesenberg, Carl A., assignor to Rockford Drilling Machine Co., Rockford, Ill. Friction clutch. 1,788,806; Jan. 13.
Ruess, Robert E., Philadelphia, Pa. Automatic switch. 1,815,989; July 28.
Ruetschi, Arnold, Lakewood, Ohio. Gearing. 1,817,019; Aug. 4.
Ruf, Cristian E. (See Aldeborgh, E. H., and Ruf.)
Ruf, George J. (See Cross, F. H., and Ruf.)
Ruf, Herman P., New York, N. Y. Ruff card making machine. 1,801,388; Apr. 21.
Rufener, Hans, and T. Eichmann, Bern-Lieberfeld, Switzerland, assignor, by mesne assignments, to International Carbonic Engineering Company, Kennett Square, Pa. Process and apparatus for obtaining dense carbon dioxide snow directly from liquid carbon dioxide. 1,818,816; Aug. 11.
Ruff, Alonzo W., assignor to York Ice Machinery Corporation, York, Pa. Heat exchanger. 1,801,693; Apr. 21.
Ruff, Samuel P., jr., Bowling Green, Nether Providence Township, assignor to Aberfoyle Manufacturing Company, Chester, Pa. Treating yarn. 1,803,869; May 5.
Ruffing, John, sr., Nokomis, Ill. Mine car. 1,808,119; June 2.
Ruffing, John, sr., Nokomia, Ill., assignor of one-half to W. C. Argust, Taylorville, Ill. Miner's cap. 1,824,840; Sept. 29.
Rugg, Harold H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker apparatus. 1,832,833.
Rugg, Harold H., and R. E. Shotwell, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Prying device. 1,798,705; Mar. 31.
Rugg, Walter S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Recording instrument. 1,792,325; Feb. 10.
Rugg, Walter S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Multiple car elevator. 1,805,227; May 12.
Rugg, Walter S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Garage elevator. 1,813,203; July 7.
Ruggeri, Henry, et al. (See Johnson, Ernest W., assignor.)
Ruggles, Gilbert W., Youngstown, Ohio. Mechanical stoker. 1,809,315; June 9.
Ruggles, Hiram C., assignor of one-half to J. M. Aitken, Phoenix, Ariz. Packing. 1,807,555; May 26.
Ruggles, Leonard L. (See Lomax, C. E., and Ruggles.)
Ruggles, Leonard L. (See Peterson, E. S., and Ruggles.)
Ruggles, Leonard L. (See Ray, A. J., Lomax, and Ruggles).
Ruggles, Leonard L., Wheaton, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,788,746; Jan. 13.
Rühlemann, Herbert, Sommerda, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Setting electric projectile fuses. 1,791,606; Feb. 10.
Rühlemann, Herbert, Sommerda, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Electric percussion fuse for shells, etc. 1,794,421; Mar. 3.
Rühlemann, Herbert, Sommerda, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Charging device for electrical fuses. 1,795,972; Mar. 10.
Rühlemann, Herbert, Sommerda, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Process of and means for timing electric fuses. 1,807,708; June 2.
Ruhm Phosphate & Chemical Company. (See Kestel, Joseph, assignor.)
Ruhnau, Katie, Kansas City, Mo. Book holder. 1,790,487; Jan. 27.
Ruhoff, Otto E., and G. H. Schroeder, assignors to Marathon Battery Company, Wausau, Wis. Treating dry cell containers. 1,824,626; Sept. 22.
Rühr, Arnold, Berlin, Germany, assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler plant. 1,795,894; Mar. 10.
Rühr, Arnold, Berlin, Germany, assignor to International Combustion Engineering Company, New York, N. Y. Device for welding fins to tubes. 1,797,795; Mar. 24.
Ruhr, Richard, Offenbach-on-the Main, and H. L. Heckmann, assignors to the firm of Maschinenfabrik Moenus Aktiengesellschaft, Frankfort-on-the-Main, Germany. Sole-laying machine. 1,789,599; Jan. 20.
Ruhr, Richard, Offenbach-on-the-Main, assignor to the Firm Maschinenfabrik Moenus A.-G., Frankfort-on-the-Main, Germany. Sole laying press. 1,816,264; July 28.
Ruinnet, Yves, Argenteuil, France. Device for reproducing designs upon knitting machines. 1,795,235; Mar. 3.
Ruiz, Mario F., Guanabacoa, Cuba. Safety lock for doors. 1,804,277; May 5.
Rukop, Hans. (See von Bronk, O., and Rukop.)
Rule, John F., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass-feeding apparatus. 1,792,932; Feb. 17.
Rule, John F. and L. D. Soubier, assignors to Owens-Illinois Glass Company, Toledo, Ohio. Apparatus for gathering molten glass. 1,801,457; Apr. 21.
Rülke, Kurt. (See Gerngross, O., and Rülke.)
Rulon, Watson B., Atlantic City, N. J. Washing machine or the like. 1,830,293; Nov. 3.
Rumbarger, Bradley W., Monroe, La., assignor to Imperial Oil & Gas Products Company, Pittsburgh, Pa. Apparatus for producing lampblack. 1,797,368; Mar. 24.
Rumbaugh, George W., Port Angeles, Wash. Clothesline pulley. 1,821,448; Sept. 1.
Rumbaugh, Roland, C., Shreveport, La. Jack post. 1,826,574; Oct. 6.
Rumble, Alex C., Sierra Madre, Calif., assignor of one-half to W. E. Lauer, Los Angeles, Calif. Automatic disconnecting pothead. 1,825,208; Sept. 29.
Rumbletop Corporation. (See Moore, B., and Benn, assignors.)
Rumford Chemical Works. (See Fiske, Augustus H., assignor.)
Rumidor Corporation. (See Zucker, Richard D., assignor.)
Rummel, George W., Swissvale, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic train pipe coupling. 1,805,676; May 19.
Rummel, Philip C., jr., Glenside, Pa. Power stop mechanism. 1,826,482; Oct. 6.
Rummell, Edson R., Atwood, Kans. Animal feeding device. 1,832,999; Nov. 24.
Rumney, Fred A., Allston, and A. E. Hudson, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Fastener-inserting machine. 1,798,226; Mar. 31.
Rumney, Mason P., assignor to Detroit Steel Products Company, Detroit, Mich. Shock absorber. 1,826,575; Oct. 6.
Rump, Franz A., Philadelphia, Pa. Lighter for gas burners and stoves. 1,826,576; Oct. 6.
Rump, Sigurd. (See Haller, A., and Rump.)
Rump, Sigurd, Zurich, Switzerland. Current transformer. 1,807,797; June 2.
Rump, Sigurd, Boston, Mass., assignor to American Brown Boveri Electric Corporation, New York, N. Y. Device for determining the condition of transformers. 1,790,024; Jan. 27.
Rumpel, Paul S., assignor to Molitor Box Company, Milwaukee, Wis. Cover securing means for collapsible boxes. 1,801,389; Apr. 21.
Rumpel, Paul S., assignor to Molitor Box Company, Milwaukee, Wis. Folding box. 1,838,191; Dec. 29.
Rumpf, John, New Milford Borough, N. J., assignor to The Safety Car Heating & Lighting Company. Regulator. 1,837,233; Dec. 22.
Rumsey, Herbert, jr., Nutley, N. J. Meat pack. 1,838,000; Dec. 22.
Rumsey, Herbert, jr., Nutley, assignor to Henry Muhs Company, Passaic, N. J. Method of and implement for closing bags. 1,811,866; June 30.
Rumsey, Horace S. (See Graham, W. C., Rumsey, and Wetherbee.)
Rumsey, Horace S., St. Louis, Mo. Settling apparatus. 1,817,649; Aug. 4.
Rundell, Raymond R., Waterville, Conn. Paper roll holder. 1,825,822; Oct. 6.
Rundell, Raymond R., assignor to H. Baker, Miami, Fla. Self-closing can top. 1,795,737; Mar. 10.
Rundell, Rupert E., Rockville Center, N. Y., assignor to American Machine & Foundry Company. Feeding channel for continuous rod cigarette machines. 1,838,110; Dec. 29.
Rundell, Rupert E., Rockville Center, N. Y., assignor to American Machine & Foundry Company. Variable-speed measuring drum for tobacco-feeds. 1,838,111; Dec. 29.
Rundell, Rupert E., Rockville Center, N. Y., assignor to American Machine & Foundry Company. Paster for cigarette machines. 1,838,112; Dec. 29.
Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machinery Company. Cigar bunch concentrator. 1,838,157; Dec. 29.
Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machinery Company. Cigar filler charge transfer. 1,838,192; Dec. 29.
Rundell, Rupert E., Rockville Center, N. Y., assignor to American Machine & Foundry Company. Cigarette collector. 1,838,193; Dec. 29.
Runder, Lee H. (See Jackes, S. F., and Runder.)
Rundlett, Carl W., Jackson Heights, assignor to Mot-Acs Incorporated, New York, N. Y. Automobile heating apparatus. 1,795,044; Mar. 3.
Rundlett, Carl W., Jackson Heights, assignor to Mot-Acs, Incorporated, New York, N. Y. Automobile heating system and apparatus. 1,795,045; Mar. 3.
Rundqvist, Thore R. E., Claremont, N. H., assignor to Sullivan Machinery Company. Rock-drilling mechanism. 1,796,667; Mar. 17.
Rundqvist, Thore R. E., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,797,445; Mar. 24.
Rundqvist, Thore R. E., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,806,765; May 26.
Runge, John F., Spencer, Iowa. Grain cleaner and grader. 1,793,017; Feb. 17.

Runge, John F., Spencer, Iowa. Grain cleaner. 1,793,018; Feb. 17.
Runge, Paul I. A., assignor to W. H. Galvin, San Francisco, Calif. Automobile headlight. 1,807,102; May 26.
Runge, Robert F., Forest Hills Gardens, Long Island, N. Y., assignor to The Skayef Ball Bearing Company, Hartford, Conn. Securing antifriction bearings on shafts. 1,788,891; Jan. 13.
Runge, Robert F., Forest Hills Gardens, Long Island, assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Cage for ball bearings. 1,825,365; Sept. 29.
Runge, Robert F., Forest Hills Gardens, L. I., N. Y., assignor to The Skayef Ball Bearing Company, Hartford, Conn. Securing antifriction bearings on shafts. 1,835,991; Dec. 8.
Runge, Walter, East Orange, N. J., assignor, by mesne assignments, to International Coal Carbonization Company. Method of and apparatus for carbonizing coal by the low-temperature process. 1,797,796; Mar. 24.
Runge, Walter, East Orange, N. J., and E. A. Packard, Yonkers, N. Y., assignors, by mesne assignments, to International Coal Carbonization Company. Processing of coal. 1,805,109; May 12.
Runge, Wilhelm, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Signaling. 1,794,645; Mar. 3.
Runkle, William T., assignor of forty-five one-hundredths to G. Gerdin, El Paso, Tex. Electrical connection and oil bath therefor. 1,791,470; Feb. 3.
Runkles, Elsie M., and F. Blackburn, Detroit, Mich. Combination chair and writing desk. 1,803,947; May 5.
Runkwitz, Arthur, Kiel-Elmschenhagen, assignor to Fried-Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Pulverized fuel furnace. 1,808,120; June 2.
Runne, Ernst. (See Herz, R., Runne, and Albrecht.)
Runne, Henry G., Rochester, N. Y. Signal. 1,804,233; May 5.
Runnels, Walter S., Kalamazoo, Mich. Coin-controlled vending apparatus. 1,796,964; Mar. 17.
Runner, Claude C., Schenectady, N. Y., assignor to General Electric Company. Switch. 1,829,610; Oct. 27.
Running, John G., Miami, Fla. Miter box. 1,808,611; June 2.
Runquist, Ernest M., Cicero, and T. M. Yancey, Oak Park, Ill. assignors to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for forming cables. 1,811,897; June 30.
Runyon, Roy K., assignor of one-half to J. Cartmell, Spokane, Wash. Dust collector. 1,788,410; Jan. 13.
Runyon, Roy K., assignor to C. R. C. Air Cleaner Co., Spokane, Wash. Air cleaner case. 1,832,245; Nov. 17.
Ruopp, George F., assignor to Marshalltown Manufacturing Company, Marshalltown, Iowa. Combined fuel and pressure gauge. 1,798,434; Mar. 31.
Rupf, Rudolph, Apolda, Germany. Warp-knitting frame. 1,796,579; Mar. 17.
Rüping, Max, Munich, Germany. Fastening down rails. 1,798,357; Mar. 31.
Rüping, Max, Munich, Germany. Rail fastening. 1,834,256; Dec. 1.
Rupoli, Carl, Chicago, Ill. Carburetor. 1,794,249; Feb. 24.
Rupp, Carl A., assignor to Commercial Iron Works of Los Angeles, Los Angeles, Calif. Gripper and breaker wheel and bridging spring for web feeding and severing apparatus. 1,810,403; June 16.
Rupp, Carl A., assignor to Commercial Iron Works of Los Angeles, Los Angeles, Calif. Drive and control for printing presses. 1,810,404; June 16.
Rupp, Emil, Berlin-Frohnau, Germany, assignor to General Electric Company. Light control device. 1,823,703; Sept. 15.
Rupp, Guy A. (See Snelling, W. O., and Rupp.)
Rupp, Herbert E., assignor to The Ohio Brass Company, Mansfield, Ohio. Thermoelectroresponsive device. 1,797,369; Mar. 24.
Rupp, Herbert E., assignor to The Ohio Brass Company, Mansfield, Ohio. Thermoelectroresponsive device. 1,797,370; Mar. 24.
Rupp, Herbert E., assignor to The Ohio Brass Company, Mansfield, Ohio. Thermoelectroresponsive device. 1,823,630; Sept. 15.
Rupp, John L., Wilkinsburg, Pa., assignor, by mesne assignments, to Wulico Battery Corporation, Niagara Falls, N. Y. Storage battery spacer. 1,808,147; June 2.
Rupp, John P. (See Tuzzo, Nicholas, assignor.)
Ruppel, Frederick C., Grand Rapids, Mich. Combined clothes washer and drier. Des. 83,468; Feb. 24.
Ruppel, Frederick C., Grand Rapids, Mich., assignor to Reo Motor Car Company. Radiator ornament. Des. 83,062; Jan. 13.
Ruppel, Frederick C., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Figure of a bird. Des. 83,176; Jan. 27.
Ruppel, Frederick C., Grand Rapids, Mich., assignor, by mesne assignments, to Hudson Motor Car Company, Detroit, Mich. Radiator ornament. Des. 83,177; Jan. 27.
Ruppel, Frederick C., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Handle for latches, control devices, and the like. Des. 84,756; July 28.
Ruppel, Frederick C., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Handle for door latches or the like. Des. 85,770; Dec. 15.
Ruppel, Frederick C., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Combined handle and escutcheon assembly. Des. 85,771; Dec. 15.
Ruppel, Frederick C., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Radiator for motor vehicles. 1,802,356; Apr. 28.
Ruppel, Frederick C., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Radiator for motor vehicles. 1,827,767; Oct. 20.
Ruppert, August, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of soaps. 1,836,400; Dec. 15.
Ruppert, Josef. (See Hassel, Wilhelm, assignor.)
Rupple, Harry W., Cleveland, Ohio, assignor to The Cleveland Automatic Machine Co. Metal-working machine. 1,796,538; Mar 17.
Rupprecht, Konrad. (See Weiske, P., and Rupprecht.)
Rupprecht, Konrad, Berlin, Germany, assignor to General Electric Company. Automatic grinder control. 1,828,622; Oct. 20.
Rupright, Harry. (See Bully, N. W., and Rupright.)
Rüsberg, Friedrich, Berlin-Niederschoneweide, assignor to Kali-Chemie, Aktiengesellschaft, Berlin, Germany. Separating magnesium compounds from potash salts. 1,820,160; Aug. 25.
Rüsberg, Friedrich, Mannheim, and G. Clauss, Mannheim-Wohlgelegen, Germany, assignors to Firm Rhenania-Kunheim Verein, Chemischer, Fabriken A. G. Manufacture of barium hydroxide. 1,799,989; Apr. 7.
Rüsberg, Friedrich, Berlin-Niederschoneweide, and P. Schmid, Berlin-Baumschulenweg, assignors to Käli-Chemie Aktiengesellschaft, Berlin, Germany. Making barium sulphide. 1,829,188; Oct. 27.
Ruschmeyer, William J. H., Toledo, Ohio. Bank vault safe. 1,815,281; July 21.
Ruse, John C., assignor of one-half to A. Mori, Hartville, Ohio. Universal ladder. 1,812,119; June 30.
Rush, Albert, deceased, Columbus, Ohio; F. A. Hunter and R. B. Rush, administrators. Protective cover for automobiles. 1,801,247; Apr. 14.
Rush, Francis C., Detroit, Mich. Attachment for door locks and latches. 1,800,662; Apr. 14.
Rush, James H., Abilene, Tex. Concrete form. 1,796,400; Mar. 17.
Rush, John W., La Grande, Oreg. Tractor hitch for farm machinery. 1,803,770; May 5.
Rush, Leo E., Indianapolis, Ind. Pump. 1,829,759; Nov. 3.
Rush Manufacturing Corporation. (See Bellinger, James F., assignor.)
Rush, Ruby B., et al, administrators. (See Rush, Albert.)
Rusilas, Walter, Paterson, N. J. Pin and needle stand. Des 84,549; June 30.
Ruskin, Simon L., New York, N. Y. Instrument. 1,832,879; Nov. 24.
Rusling Wood, Inc. (See Gibbs, Harold B., assignor.)
Rusling Wood Inc. (See Wood, Rusling, assignor.)
Russ, Abram B., New Orleans, La., and R. W. Hepler, Biloxi, Miss. Lock. 1,789,775; Jan. 20.
Russ, Arthur J., Oakdale, assignor to Armstrong Cork Company, Pittsburgh, Pa. Making insulating material. 1,799,255; Apr. 7.
Russ, Arthur J., Oakdale, assignor to Armstrong Cork Company, Pittsburgh, Pa. Insulating material. 1,812,306; June 30.
Russ, Emil F., Cologne-on-the-Rhine, Germany. Electric furnace for the smelting of metals. 1,793,137; Feb. 17.
Russ Manufacturing Company, The. (See Kellogg, Herbert C., assignor.)
Russakov, Jacob I., Chicago, Ill. Washing machine. Des. 83,129; Jan. 20.
Russel, Philip S., assignor to Detroit Lubricator Company, Detroit, Mich. Valve. 1,806,565; May 19.
Russell, Alan W., Worcester, Mass., and H. A. Wadman, assignors to Hartford-Empire Company, Hartford, Conn. Glass annealing leer with insulated tunnel. 1,827,673; Oct. 13.
Russell-Burdsall & Ward Bolt & Nut Company. (See Avis, Samuel W., assignor.)
Russell, Burdsall & Ward Bolt & Nut Company. (See Avis, S. W., and Ames, assignors.)
Russell, Burdsall, & Ward Bolt and Nut Company. (See Ward, William L., assignor.)
Russell, Cass B., Detroit, Mich., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,815,602; July 21.
Russell, Earle, New Rochelle, N. Y., assignor to Tuttle & Bailey Manufacturing Company, New York, N. Y. Grille. Des. 85,600; Nov. 17.
Russell, Edward A. (See Gold, E. H., and Russell.)
Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Adjustable thrust bearing and sealing means for flexible pipe joints. 1,811,649; June 23.
Russell, Edward J., Denver, Colo. Spring power storing mechanism. 1,837,631; Dec. 22.
Russell, Frank A., assignor to Unit Lock Company, Tulsa, Okla. Padlock. 1,824,301; Sept. 22.
Russell, Frank C., and C. L. Savide, assignors to The Mineral Felt Insulating Company, Toledo, Ohio. Mineral fiber felting. 1,806,024; May 19.

Russell, Frank C. and C. L. Savidge, assignors to The Mineral Felt Insulating Company, Toledo, Ohio. Pipe insulation. 1,825,424; Sept. 29.
Russell, Frederick T., Utica, N. Y., assignor, by mesne assignments, to Fox Company, Philadelphia, Pa. Target. 1,804,117; May 5.
Russell, Frederick T., Utica, N. Y., assignor, by mesne assignments, to Fox Company, Philadelphia, Pa. Toy gun. 1,812,902; July 7.
Russell, Frederick T., Utica, N. Y., assignor, by mesne assignments, to Fox Company, Philadelphia, Pa. Toy gun. 1,824,503; Sept. 22.
Russell, Frederick T., Utica, N. Y., assignor, by mesne assignments, to Fox Company, Philadelphia, Pa. Toy gun of the repeater type. 1,824,504; Sept. 22.
Russell, George W., Warren, assignor to The Aetna Standard Engineering Company, Youngstown, Ohio. Shearing machine. 1,817,039; Aug. 4.
Russell, Harold R. (See Lasker, W. W., and Russell.)
Russell, Harry J., Toronto, Canada, assignor to Baker & Co. Inc. Ready-made cusp. 1,826,826; Oct. 13.
Russell, Herbert O. (See Paulus, Charles L., and Russell.)
Russell, James G., and E. Schatz, Los Angeles, Calif. Tilting and locking device for venetian blinds. 1,822,318; Sept. 8.
Russell, James R. (See Dumm, H., and Russell.)
Russell, James R. (See Van Amburgh, C. L., and Russell.)
Russell, Jason L., and H. E. Melton, assignors to C. E. Jamieson & Company, Detroit, Mich. Mercuric ricinoleate. 1,820,761; Aug. 25.
Russell, John K., assignor to National Accessories Corporation, Los Angeles, Calif. Lamp bracket. 1,816,233; July 28.
Russell, John K., assignor to National Accessories Corporation, Los Angeles, Calif. Spotlight. 1,833,308; Nov. 24.
Russell, Joseph C. (See Russell, Robert C. and J. C.)
Russell, Leslie A., assignor to Koehring Company, Milwaukee, Wis. Dipper-door-tripping mechanism. 1,797,300; Mar. 24.
Russell, Leslie A., assignor to Koehring Company, Milwaukee, Wis. Swing traction gearing. 1,830,810; Nov. 10.
Russell, Leslie A., assignor to Koehring Company, Milwaukee, Wis. Boom point sheave assembly. 1,836,281; Dec. 15.
Russell, Linus E., and G. E. Peters, Springfield, Ohio. Trunk rack. 1,796,580; Mar. 17.
Russell, Linus E., and G. E. Peters, Springfield, Ohio. Trunk rack for automobiles. 1,838,500; Dec. 29.
Russell, Linus E., jr., and G. E. Peters, Springfield, Ohio. Pedal jack. 1,813,426; July 7.
Russell, Linus E., jr., and G. E. Peters, Springfield, Ohio. Automobile control. 1,820,678; Aug. 25.
Russell Manufacturing Company, The. (See Fagan, Richard C., assignor.)
Russell Manufacturing Company, The. (See Fisher, William C., assignor.)
Russell Manufacturing Company, The. (See Sauermann, George H., assignor.)
Russell Manufacturing Company, The. (See Zimmerer, F. J., and Bauer, assignors.)
Russell, Mark N., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Convenience outlet. 1,794,250; Feb. 24.
Russell, Olin F., Los Angeles, Calif. Plumbing fitting. 1,788,596; Jan. 13.
Russell, Olin F., Los Angeles, Calif. Valve. 1,841,411; July 14.
Russell, Perry C., Ellwood City, Pa. Merry-go-round. 1,791,227; Feb. 3.
Russell, Porter L., assignor to Chicago Motor Club, Chicago, Ill. Holder for emblems and the like. 1,794,034; Feb. 24.
Russell, Robert C., Dallas, Tex. Automobile radiator bar. Des. 84,848; Aug. 11.
Russell, Robert C., assignor to W. S. Shaw Company, Dallas, Tex. Radiator bar and reenforcing means. 1,805,887; May 19.
Russell, Robert C. and J. C., Pittsburgh, Pa. Filing device. 1,831,510; Nov. 10.
Russell, Robert H., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Thermostat. 1,812,718; June 30.
Russell, Robert H., Worcester, Mass., assignor to Rockwood Sprinkler Company of Massachusetts. Fusible link. 1,834,319; Dec. 1.
Russell, Robert H., Akron, assignor to The Ric-Wil Company, Cleveland, Ohio. Cutting or scoring machine. 1,834,970; Dec. 8.
Russell, Robert J., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Tool for assembling pistons to cylinders. 1,830,855; Nov. 10.
Russell, Samuel G., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,797,023; Mar. 17.
Russell, Samuel G., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,815,382; July 21.
Russell, Samuel G., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,817,102; Aug. 4.
Russell & Stoll Company. (See Glasgow, Ernest M., assignor.)
Russell & Stoll Company. (See Rothen, Edward M., assignor.)
Russell, Thomas B. (See Sommers, A. L., and Russell.)
Russell, Thomas C., assignor to Ultra Violet Generator Corporation, Chicago, Ill. Electric arc lamp. 1,827,374; Oct. 13.
Russell, Thomas C., assignor to Solar Industries, Inc., Chicago, Ill. Thermostatic apparatus. 1,833,594; Nov. 24.
Russell, Walter M., Wellesley, Mass., assignor to The Gas Machinery Company, Cleveland, Ohio. Manufacturing water gas. 1,827,169; Oct. 13.
Russell, Willard H., Los Angeles, Calif. Capo tasto. 1,788,636; Jan. 13.
Russell, William H., New Haven, Conn. Coin actuated change mechanism. 1,807,175; May 26.
Russell, William H., New Haven, Conn. Store system actuated by a coin machine. 1,831,578; Nov. 10.
Russell, William H., Baltimore, Md. Butter cutting machine. 1,833,131; Nov. 24.
Russell, William I., Edinburg, Tex. Anticreeper for railroad rails. 1,812,757; June 30.
Russell, Zachery E., Sauk Rapids, Minn. Antiwhipping device for blinds. 1,794,500; Mar. 3.
Russell, Zachery E., Sauk Rapids, Minn. Bracket for Venetian blinds. 1,794,501; Mar. 3.
Russia Cement Company. (See Phillips, Nathan C., assignor.)
Russo, Mario, New Rochelle, N. Y. Lamp shade. Des. 85,841; Dec. 22.
Russon, Harry R., Akron, assignor of one-half to William C. McCoy, Cleveland, Ohio. Variometer dial. 1,801,369; Apr. 21.
Rust, Gunder, Alkabo, N. Dak. Plowshare. 1,827,170; Oct. 13.
Rust, James E., assignor to G. A. E. Kohler, Chicago, Ill. Apparatus for supplying paper to printing presses. 1,811,214; June 23.
Rust, Philip G., Wilmington, Del., assignor to The Viscose Company, Marcus Hook, Del. Treating yarn. 1,829,678; Oct. 27.
Rust Prevention Chemical Company. (See Wallace, Earl K., assignor.)
Rustad, Louis L., Minneapolis, Minn. Composite character sign. Des. 84,653; July 14.
Rustad, Thor, Erskine, Minn. Pencil holder. 1,797,103; Mar. 17.
Ruston & Hornsby, Limited. (See Onions, John W., assignor.)
Rutenber, Edwin A. (See Lindemann, W. C., and Rutenber.)
Rutenber, Edwin A., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Convenience outlet for electric appliances. 1,810,986; June 23.
Rutenber, Edwin A., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Thermostatic device. 1,813,427; July 7.
Rutenber Electric Company. (See Blake, William B., assignor.)
Ruth-Aldo Company. (See Mancini, Ugo, assignor.)
Ruth, Charles H., Walnut Park, assignor, by mesne assignments, to Ruth Dredger Manufacturing Corporation, Ltd., Los Angeles, Calif. Crawler. 1,794,985; Mar. 3.
Ruth Dredger Manufacturing Corporation. (See Ruth, Charles H., assignor.)
Ruth, Emil W., Fruitville, Lancaster, Pa. Feeding device. 1,815,679; July 21.
Ruth, Joseph P., jr., Denver, Colo. Flotation apparatus. 1,807,876; June 2.
Ruth, Joseph P., jr., Denver, Colo. Reagent feeder. 1,833,537; Nov. 24.
Ruth, Omer, Racine, Wis. Luggage carrier. 1,792,039; Feb. 10.
Ruth, Rudolph, Schwedt, Germany. Color screen film and manufacturing the same. 1,805,009; May 12.
Ruthaldo Company Inc. (See Barthelemy, Henri L., assignor.)
Rutherford, Charles E., West Hartford, assignor to The Wiremold Company, Hartford, Conn. Adjustable electrical conduit elbow. 1,804,954; May 12.
Rutherford Food Corporation. (See Rutherford, Hessie T., assignor.)
Rutherford, George L., et al. (See Hulack, E., and Nissrod, assignors.)
Rutherford, Harold M. (See Stone, Elmer G., and Rutherford.)
Rutherford, Herbert E., Uvalde, Tex. Convertible bailer bottom. 1,824,235; Sept. 22.
Rutherford, Hessie T., assignor to Rutherford Food Corporation, Kansas City, Mo. Cooking apparatus. 1,837,924; Dec. 22.
Rutherford, Romilly T., Alameda, Calif., assignor to Wood-Barrett Corporation, Ltd. Time switch. 1,805,010; May 12.
Rutherford, Ronald C., El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Removal of arsenic from lead bullion. 1,803,771; May 5.
Ruthman, Edward J., Cincinnati, Ohio. Reversible centrifugal pump. 1,821,772; Sept. 1.
Ruthman, Edward J., Cincinnati, Ohio. Reversible centrifugal pump. 1,824,409; Sept. 22.
Ruthsaccumulator Aktiebolag. (See Fohl, Carl, assignor.)
Ruths Accumulator Aktiebolag. (See Ruths, Johannes, assignor.)
Ruths, Johannes, Djursholm, Sweden, assignor to Ruths Accumulator Aktiebolag. Steam plant. 1,800,959; Apr. 14.

Ruths Steam Storage, Inc. (See Lofgren, Gustaf E., assignor.)
Ruthven, Alfred L., Rochester, N. Y. Auto manual resetting device. 1,798,558; Mar. 31.
Rutishauser, Donald E., assignor to Hussmann-Ligonier Company, St. Louis, Mo. Refrigerator display case. Des. 83,352; Feb. 17.
Rutledge, Arthur E., and E. T. Cleary, Rockford, Ill. Trip device for power shovels. 1,803,678; May 5.
Rutledge, Birl E., Eldorado, Kans. Indicating electrical fuse plug. 1,791,287; Feb. 3.
Rutten, Frank M., Sioux City, Iowa, assignor of ten per cent to Goltz & Brown and ten per cent to E. M. Brown. Sealing device. 1,814,412; July 14.
Ruttenberg, Samuel, Brooklyn, N. Y. Ballast resistance. 1,836,509; Dec. 15.
Rutter, Alvah E., assignor to Dain Manufacturing Company, Iowa, Ottumwa, Iowa. Tucker for hay presses. 1,799,191; Apr. 7.
Rutter, Alvah E., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Tucker for hay presses. 1,812,061; June 30.
Rutter, Alvah E., assignor to J. I. Case Company, Rockford, Ill. Combination rake and tedder. 1,830,040; Nov. 3.
Rutter, Clyde M., Massillon, assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Charging blast furnaces and the like. 1,829,300; Oct. 27.
Rutter, John A., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Locking device for bolts. 1,814,858; July 14.
Rutter, Mont, and Emil E. Lechler, Atglen, Pa. Salute. 1,792,246; Feb. 10.
Ruttiman, Alfred. (See White, F. E., and Ruttiman.)
Rutzler, John E. jr., Arlington, N. J. Making soap. 1,813,512; July 7.
Rutzler, John E., jr., V. R. Kokatnur, Arlington, and P. E. Rollhaus, East Orange, assignors to Pilot Laboratory, Inc., Arlington, N. J. Composition for bleaching oils, fats, and waxes, and the product resulting therefrom. 1,838,707; Dec. 29.
Ruud Manufacturing Company. (See Brill, Alfred P., assignor.)
Ruud Manufacturing Company. (See Horton, Ernst J., assignor.)
Ruud Manufacturing Company. (See Humphrey, Herbert S., assignor.)
Ruud, Otto S., Oslo, Norway. Device for regulating the size of the combustion chamber in combustion motors. 1,816,402; July 28.
Ruzicka, Leopold, De Bilt, near Utrecht, Netherlands, assignor to Société Anonyme M. Naef & Co., Geneva, Switzerland. Preparation of the monocyclic lactones having fourteen to eighteen ring members. 1,799,536; Apr. 7.
Ryan, Commodore D., Los Angeles, Calif., assignor, by mesne assignments, to Ralph G. Whitlock Patents, Inc Clutch operating mechanism. 1,811,028; June 23.
Ryan, Dennis L., and A. Crossley, Washington, D. C., assignors to Wired Radio, Inc., New York, N. Y. Piezo electric crystal apparatus. 1,822,825; Sept. 8.
Ryan, Edwin P., Somersworth, N. H. Composition. 1,829,611; Oct. 27.
Ryan, Francis M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling. 1,796,965; Mar. 17.
Ryan, Harrison C., Shaker Heights, Ohio. Printing press. 1,787,456; Jan. 6.
Ryan, James P., Easthampton, Mass. Heat responsive shut-off valve. 1,834,645; Dec. 1.
Ryan, John J. (See Jetel, Otto, assignor.)
Ryan, John J., Chicago, Ill. Marcel waver. 1,819,389; Aug. 18.
Ryan, Joseph F., Chicago, Ill. Oil well regulation device. 1,812,986; July 7.
Ryan, Joseph P., Chicago, Ill. Cabinet for hotel counters. Des. 83,997; Apr. 21.
Ryan, Joseph P., Chicago, Ill. Sign. Des. 84,261; May 26.
Ryan, Lonnie W., Niagara Falls, N. Y., assignor to Titanium Pigment Company, Inc., New York, N. Y. Precipitating titanium compounds. 1,820,987; Sept. 1.
Ryan, Lonnie W., Niagara Falls, assignor to Titanium Pigment Company, Inc., New York, N. Y. Precipitating titanium compounds. 1,820,988; Sept. 1.
Ryan Mnfg. Corporation. (See Faverty, Clyde B., assignor.)
Ryan Manufacturing Corporation. (See Faverty, C. B., and Schlacks, assignors.)
Ryan Manufacturing Corporation. (See Grigsby, Owen E., assignor.)
Ryan Mnfg. Corporation. (See Schlacks, William J., assignor.)
Ryan, Matthew W., Freeport, assignor to Matthew W. Ryan Sons & Co., Inc., New York, N. Y. Textile fabric. Des. 84,302; June 2.
Ryan, Matthew W., Sons & Co. (See Ryan, Matthew W., assignor.)
Ryan, Ralph B. (See Cox, M. C., and Ryan.)
Ryan, Robert G., Minneapolis, assignor of two-thirds to M. C. Theis, St. Paul, Minn. Dispensing mechanism. 1,792,763; Feb. 17.
Ryan, Scully & Company. (See Beach, George F., assignor.)
Ryan, Thomas H., assignor of one-sixth to P. J. Boyens and one-sixth to C. J. McCarthy, San Francisco, Calif. Power transmission device. 1,816,615; July 28.
Ryan, Victor A., Maplewood, assignor to The Harvel Corporation, Hoboken, N. J. Reaction products of cashew nut shell oil and processes therefor. 1,838,072; Dec. 22.
Ryan, Walter D., Schenectady, N. Y., assignor to General Electric Company. Light projector. 1,815,801; July 21.
Ryan, Wesley, et al. (See Danner, Albert C., assignor.)
Ryan, William D., San Diego, Calif. Prod type battery cell tester. 1,807,439; May 26.
Rybak, Karol P., Taylor, Pa. Curtain bracket. 1,806,504; May 19.
Rybár, Stephen, Budapest, Hungary. Eötvös's torsion balance. 1,829,876; Nov. 3.
Rybeck, Adolph W., assignor to The T. L. Smith Company, Milwaukee, Wis. Fluid measuring device. 1,819,267; Aug. 18.
Ryberg, Fritz R., Cleveland, Ohio. Cleaning mechanism. 1,802,837; Apr. 28.
Rych, Laddie, assignor to A. J. Weatherhead, jr., Cleveland, Ohio. Tubular connection. 1,802,538; Apr. 28.
Ryco, Inc., Ltd. (See Cox, M. C., and Ryan, assignors.)
Ryde, John W. (See Bartlett, A. C., and Ryde.)
Rydell, Harold S. V., assignor to The United States Printing & Lithograph Company, Brooklyn, N. Y. Toy aeroplane. 1,798,706; Mar. 31.
Ryden, Eric H., assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,818,433; Aug. 11.
Ryder Anti-Glare Shield Co. (See Ryder, Forest C., assignor.)
Ryder, Carroll D., Danbury, Conn. Composition for the manufacture of conduits and the like. 1,805,431; May 12.
Ryder, Clifford. (See Ross, T. W., and Ryder.)
Ryder, Earle A. (See King, A. H., and Ryder.)
Ryder, Earle A., West Hartford, assignor to The Pratt & Whitney Aircraft Company, Hartford, Conn. Variable speed supercharger drive. 1,817,650; Aug. 4.
Ryder, Earle A., West Hartford, assignor to The Pratt & Whitney Aircraft Co., Hartford, Conn. Speed change device. 1,836,555; Dec. 15.
Ryder, Earle A., and A. H. King, West Hartford, assignor to The Pratt & Whitney Aircraft Co., Hartford, Conn. Engine testing apparatus. 1,804,646; May 12.
Ryder, Elmer, Elgin, Ill. Shock absorbing mechanism. 1,825,823; Oct. 6.
Ryder, Elmer, Elgin, Ill. Motor vehicle heater. 1,825,824; Oct. 6.
Ryder, Forest C., assignor to Ryder Anti-Glare Shield Co., Elgin, Oreg. Glare shield. 1,807,256; May 26.
Ryder, Frank P., Niagara Falls, N. Y. Method and apparatus for skinning tomatoes. 1,822,375; Sept. 8.
Ryder, Frank P., Niagara Falls, N. Y. Double viner. 1,823,410; Sept. 15.
Ryder, Frank P., and W. D. Chisholm, Niagara Falls, N. Y. Method and apparatus for separating string beans. 1,814,633; July 14.
Ryder, Frank P., and W. D. Chisholm, Niagara Falls, N. Y. Method and apparatus for separating string beans. 1,835,242; Dec. 8.
Ryder, Samuel C., Sydney, New South Wales, Australia. Inductance coil particularly adapted for use with radio tuning devices. 1,837,678; Dec. 22.
Ryerson, Eugene H., Worcester, Mass. Kitchen utensil. 1,812,062; June 30.
Ryerson, Peter E., El Centro, Calif. Pipe handling machine. 1,835,431; Dec. 8.
Ryker Gasifier Company, The. (See Ryker, Harry, assignor.)
Ryker, Harry, assignor to The Ryker Gasifier Company, Inc., Indianapolis, Ind. Carburetor. 1,837,338; Dec. 22.
Rylander, Andrew E., Detroit, assignor to J. H. Hunter, Bloomfield Hills, Mich. Brace drill. 1,799,393; Apr. 7.
Rylander, John L. (See Peters, J. F., and Rylander.)
Ryley, Charles F., and G. A. Awcock, Spondon, near Derby, England, assignors to Celanese Corporation of America. Solution, composition or preparation for textile and like purposes and their applications. 1,807,755; June 2.
Ry-Lock Company. (See Rymer, John A., assignor.)
Rymal, Cecil H., assignor of one-half to G. R. Gregory, Chicago, Ill. Septic tank. 1,797,697; Mar. 24.
Rymal, Cecil H., assignor of one-half to G. Milsk, Chicago, Ill. Back-water and check valve. 1,827,913; Oct. 20.
Rymal, Raymond L., Riverside, Ill. Tire inflater. 1,792,123; Feb. 10.
Rymal, Raymond L., Riverside, Ill. Aeroplane propeller. 1,819,340; Aug. 18.
Rymer, John A., Berkeley, Calif., assignor, by mesne assignments, to Ry-lock Company, Ltd., Reno, Nev. Doorlock. 1,834,223; Dec. 1.
Rynearson, Luther E., Los Angeles, Calif. Glare shield attachment for headlights. 1,816,299; July 28.
Rypinski, Albert B., Laurelton, N. Y., assignor to Metropolitan Device Corporation, Brooklyn, N. Y. Fuse and switch box. 1,811,650; June 23.
Rypinski, Albert B., Laurelton, Long Island, N. Y.; assignor, by mesne assignments, to Metropolitan Device Corporation. Ventilated switch box. 1,821,898; Sept. 1.
Rypinski, Maurice C., East Orange, assignor to Brandes Laboratories, Inc., Newark, N. J. Sound reproducing diaphragm. 1,834,291; Dec. 1.

Rypkema, William, assignor to Radio Master Corporation of America, Bay City, Mich. Radiocabinet. Des. 84,376; June 9.
Rystedt, Ingemar K., assignor to The National Tirecore Company, Dayton, Ohio. Tire core. 1,799,124; Mar. 31.
Rzeczkowski, Bronislaw., Sosnowice, Poland. Plant for treating gas. 1,820,161; Aug. 25.
Rzeminiecki, Rudolf, Washington, D. C. Floor plate. 1,798,559; Mar. 31.
S. A. B. I. E. Società Anonima Brevetti Italiani Esteri. (See Boggero, Giovanni, assignor.)
S. E. Company. (See Wallace, George W., assignor.)
S. H. G. Incorporated. (See Hermsdorf, Walter H., assignor.)
S. I. A. M. Limited. (See Guermont, Miguel E., assignor.)
S. & T. Metal Company. (See Ripley, Charles T., assignor.)
S. & T. Metal Company. (See Shoemaker, Robert J., assignor.)
S. U. Company. (See Skinner, George H., assignor.)
Saa, Robert, Auburn, Calif. Combination adjustable shade and shade-roller mounting. 1,796,897; Mar. 17.
Saachy, Thomas, New York, N. Y. Batik wax lining tool. 1,815,589; July 21.
Saal, Christian L., Paterson, N. J. Winding machine. 1,817,767; Aug. 4.
Saari, August M., Watton, Mich. Transmission. 1,806,505; May 19.
Saarinen, Eliel, Birmingham, Mich., assignor to International Silver Company, Meriden, Conn. Table knife or similar article. Des. 84,654; July 14.
Saarinen, Eliel, Bloomfield Hills, Mich., and R. R. Kintz, assignors to International Silver Company, Meriden, Conn. Table knife. Des. 84,655; July 14.
Saart Brothers Company. (See Metcalf, Alpha H., assignor.)
Sabbah, Camil A., Schenectady, N. Y., assignor to General Electric Company. Electric power converting apparatus. 1,838,001; Dec. 22.
Sabbah, Camil A., Schenectady, N. Y., assignor to General Electric Company. Power converting apparatus. 1,839,122; Dec. 29.
Sabbah, Camil A., Schenectady, N. Y., assignor to General Electric Company. Power converting apparatus. 1,839,166; Dec. 29.
Sabath, Albert, assignor to Scene-In-Action Corporation, Chicago, Ill. Lamp. Des. 84,165; May 12.
Sabath, Albert, assignor to Scene-In-Action Corporation, Chicago, Ill. Lamp. Des. 84,166; May 12.
Sabath, Albert, assignor to Scene-In-Action Corporation, Chicago, Ill. Lamp. Des. 84,167; May 12.
Saben Lock Nut Co. (See Saben, William E., assignor.)
Saben, Wiliam E., Taunton, Mass., assignor to Saben Lock Nut Co., Inc., Taunton, Mass. Lock nut. 1,829,017; Oct. 27.
Sabik, George, Western Springs, and S. Offer, assignors to U. S. Duplicator Company, Chicago, Ill. Duplicating machine. 1,833,181; Nov. 24.
Sabin, Ernest E., Beverly, Mass, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for and method of heel-seat fitting. 1,787,640; Jan. 6.
Sabin, Ford L., Cleveland Heights, assignor to The Wellman Engineering Company, Cleveland, Ohio. Ingot turning machine. 1,829,573; Oct. 27.
Sabin, Herbert B., Cleveland, Ohio. Tire-inspection machine. 1,790,949; Feb. 3.
Sablik, Ignaz, Stramberg, Czechoslovakia. Liquid feeding apparatus. 1,816,025; July 28.
Sabo, Julius G., Manheim, assignor to The Slaymaker Lock Company, Lancaster, Pa. Laminate lock. 1,837,071; Dec. 15.
Sacco, Luigi A., Genoa, Italy. Torpedo. 1,825,161; Sept. 29.
Saccoccia, Nicholas, Cranston, R. I., assignor to Fulford Mfg. Co. Identification marker. 1,825,649; Sept. 29.
Sacerdote, Guido M., Bayside, New York, N. Y. Batter mixing device. 1,819,203; Aug. 18.
Sacerdote, Guido M., Bayside, assignor to McLaughlin, Flushing, N. Y. Winding apparatus for rolling screens. 1,828,623; Oct. 20.
Sacerdoti, Camillo, Milan, Italy. Apparatus for lowering vessels' lifeboats to the water with automatic disengagement of the suspension hooks. 1,830,134; Nov. 3.
Sacerdoti, Camillo, Milan, Italy. Electrically driven road vehicle. 1,838,002; Dec. 22.
Sacherman, Jacob, Cleveland, Ohio. Table mat. 1,808,258; June 2.
Sächsische Textilmaschinefabrik vorm. Rich. Hartman, Aktiengesellschaft. (See Cornibert, Pierre, assignor.)
Sachs, Albert P., assignor to The Larvex Corporation, New York, N. Y. Insecticide. 1,789,565; Jan. 20.
Sachs, Benjamin J., Springfield, Ohio. Garment protector. 1,796,625; Mar. 17.
Sachs, Edgar, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Device for determining the specific gravity of liquids. 1,832,792; Nov. 17.
Sachs, Ernst, Goeggingen, near Augsburg, assignor of one-half to Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft Augsburg, and one-half to Asbern Maschinenfabrik-Aktiengesellschaft, Augsburg-Goeggingen, Goeggingen, near Augsburg, Germany. Form cylinder for rotary intaglio printing machines. 1,807,637; June 2.
Sachs, Hugo. (See Locke, K., and Sachs.)
Sachs, Joseph, West Hartford, Conn. Electric-meter service appliance. 1,790,321; Jan. 27.
Sachs, Joseph, West Harford, Conn. Electric-meter-service appliance. 1,790,322; Jan. 27.
Sachs, Joseph, West Hartford, Conn. System of manufacture for electric switches. 1,790,323; Jan. 27.
Sachs, Joseph, West Hartford, Conn. Electric-circuit-controlling appliance. 1,790,324; Jan. 27.
Sachs, Joseph, West Hartford, Conn. Quick-break switch mechanism. 1,799,181; Apr. 7.
Sachs, Joseph, West Hartford, Conn. Automatic circuit breaker. 1,811,970; June 30.
Sachs, Joseph, West Hartford, Conn. Automatic circuit breaker. 1,812,842; June 30.
Sachs, Joseph, West Hartford, Conn. Automatic circuit breaker. 1,812,843; June 30.
Sachs, Joseph, West Hartford, Conn. Automatic circuit breaker. 1,812,844; June 30.
Sachs, Joseph, West Hartford, Conn. Electroresponsively controlled mechanism. 1,812,845; June 30.
Sachs, Joseph, West Hartford, Conn. Automatic circuit breaker. 1,812,846; June 30.
Sachs, Joseph, West Hartford, Conn. Automatic circuit breaker. 1,812,847; June 30.
Sachs, Joseph, West Hartford, Conn. Automatic circuit breaker. 1,812,848; June 30.
Sachs, Joseph, West Hartford, Conn. Automatic circuit breaker. 1,819,005; Aug. 18.
Sachs, Joseph, West Hartford, Conn. Inclosed fused switch. 1,821,671; Sept. 1.
Sachs, Joseph, West Hartford, Conn. Electric circuit controlling appliance. 1,822,544; Sept. 8.
Sachs, Joseph, Hartford, Conn. Electric meter protecting cabinet. 1,805,723; May 19.
Sachs, Joseph, Hartford, Conn. Electric meter protecting cabinet. 1,805,724; May 19.
Sachs, Joseph, Hartford, Conn. Fuse block attachment. 1,805,725; May 19.
Sachs, L. C. (See Adams, George R., assignor.)
Sachs, Max, Far Rockaway, N. Y. Hand bag. 1,828,342; Oct. 20.
Sachs, Walter, Lancaster, Pa. Burglary protection system. 1,806,953; May 26.
Sachse, Erich, Pegau, and O. Michalk, Freital, Germany. Roughening tool for the working of leather. 1,818,011; Aug. 11.
Sachse, Ernst. (See Seifert, K., and Sachse.)
Sachtleben Aktiengesellschaft fur Bergbau und Chemische Industrie. (See Küppers, Johann, assignor.)
Sack, Firm Rud. (See Ehricke, Max, assignor.)
Sackett, A. J., and Sons Company, The. (See Sackett, Augustus J., assignor.)
Sackett, Augustus J., Anne Arundel County, Md., assignor to The A. J. Sackett and Sons Company. Mixer. 1,812,450; June 30.
Sackin, Allen L., New York, N. Y. Combination clothes hanger. 1,829,301; Oct. 27.
Sackman, Charles M., assignor, by mesne assignments, to The Paramount Fire Alarm Engineering Company, Cleveland, Ohio. Noninterference signal transmitter. 1,812,173; June 30.
Sackner, Wade E., Grand Rapids, Mich. Packing cord. 1,821,582; Sept. 1.
Sackner, Wade E., assignor to Grand Rapids Fibre Cord Company, Grand Rapids, Mich. Paper finishing cord. 1,815,163; July 21.
Sacknus, Herbert F., Cleveland, and E. P. Kerruish, Cleveland Heights, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing dividing device. 1,832,506; Nov. 17.
Saco-Lowell Shops. (See Banfield, Frederic E., jr., assignor.)
Saco-Lowell Shops. (See Blake, Edmund E., assignor.)
Saco-Lowell Shops. (See Curley, Robert S., assignor.)
Sadacca, Albert, assignor to Noma Electric Corporation, New York, N. Y. Globe and electric lamp holding adapter. 1,819,125; Aug. 18.
Sadinoff, Max, Brooklyn, N. Y. Lace trimming or the like. Des. 84,221; May 19.
Sadinoff, Max, Brooklyn, N. Y. Lace trimming or the like. Des. 84,222; May 19.
Sadler, Cornelius R., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Closing in the ends of a conduit. 1,815,275; July 21.
Sadler, Cornelius R., Barberton, Ohio, and H. J. Kerr, Westfield, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Chain grate stoker. 1,830,338; Nov. 3.
Sadler, Edward P., Louisville, Ky. Aerial-mast bracket. 1,790,391; Jan. 27.
Sadler, Ernest K. (See Schnell, C. E., and Sadler.)
Sadler, Granger B. (See Oppy, A. G., and Sadler.)
Sadler, Hubert C., Hamilton, Ohio. Welding handle. 1,811,156; June 23.
Sadtler, Helena S., Erdenheim, Pa. Transfer. 1,797,997; Mar. 24.
Sadtler, Helena S., Erdenheim, Pa. Ornamentation. 1,797,998; Mar. 24.
Sadtler, Helena S., Erdenheim, Pa. Transfer. 1,832,660; Nov. 17.
Sadtler, Helena S., Erdenheim, Pa. Method of transferring water soluble dyestuffs to fabrics and porous surfaces. 1,832,661; Nov. 17.

Sadtler, Samuel S., Springfield Township, Montgomery County, and E. F. Cayo, Philadelphia, Pa. Making patent, japan, and enamel leathers. 1,829,302; Oct. 27.
Sadtler, Samuel S., Chestnut Hill, Springfield Township, Montgomery County, Pa., assignor to Amiesite Asphalt Company of America, Philadelphia, Pa. Coating damp or wet stone. 1,824,931; Sept. 29.
Sadtler, Samuel S., Springfield Township, Montgomery County, Pa., assignor to Amiesite Asphalt Company of America, Camden, N. J. Building roads and in preparing of the materials therefor. 1,830,486; Nov. 3.
Sadtler, Samuel S., Springfield Township, Montgomery County, and E. F., Cayo, assignors to Amiesite Asphalt Company of America, Philadelphia, Pa. Road composition. 1,834,552; Dec. 1.
Sadusky, Thomas A., A. L. Marlowe, and F. D. Miller, Denver, Colo. Bathtub chair. 1,805,297; May 12.
Saeger, Charles M., jr. (See Rice, W. S., and Saeger.)
Saetta, Charles, Brooklyn, N. Y. Sandwich-making machine. 1,798,560; Mar. 31.
Safeasy Fixture Company. (See Rolker, Edwin, assignor.)
Safe Deposit and Trust Company of Baltimore. (See Stunz, William P., assignor.)
Safe Deposit and Trust Company, of Baltimore, as trustee. (See Stunz, William P., assignor.)
Safe-Guard Check Writer Corporation. (See Whitaker, John, assignor.)
Safety Belt Lacer Company. (See Richard, Grant M., assignor.)
Safety Boat Co. (See Nelson, Fred N., assignor.)
Safety Car Heating & Lighting Company, The. (See Livingston, Alan V., assignor.)
Safety Car Heating & Lighting Company, The. (See Rumpf, John, assignor.)
Safety Devices Corporation. (See Aud, William L., assignor.)
Safety Fumigant Company. (See Houghton, Harry W., assignor.)
Safety Grinding Wheel & Machine Company, The. (See Vance, George E., assignor.)
Safety Grinding Wheel & Mch. Company, The. (See Weinland, Hermon G., assignor.)
Safety Grinding Wheel & Machine Company, The. (See Weinland, H. G., and Vance, assignors.)
Safety Mining Company. (See Armstrong, Frank H., assignor.)
Safety Mining Company. (See Dull, Raymond W., assignor.)
Safety Mining Company. (See Ferrell, D., and Helmholtz, assignors.)
Safety Mining Company. (See Hodge, David, assignor.)
Safety Mining Company. (See Kneeland, Frank H., assignor.)
Safety Processing Company, The. (See Butkey, Andrew T., assignor.)
Safety Tire Pop-Valve Company. (See Nelson, Nels S., assignor.)
Saffold, Clara, Los Angeles, Calif. Smoker's stand. Des. No. 84,757; July 28.
Safford, Clarence E., Cleveland, Ohio. Heat exchange device. 1,825,209; Sept. 29.
Safford, Lewis A., assignor to Automatic Nut-Thread Corporation, Buffalo, N. Y. Nut tapping machine. 1,833,182; Nov. 24.
Safman, Joseph W., Paterson, N. J. Bumper-operated vehicle braking mechanism. 1,799,647; Apr. 7.
Safran, David N. (See McCall, John J., assignor.)
Saftee Glass Company. (See Worrall, Arthur G., assignor.)
Sagar, Albert, Slater, S. C. Motion transmitting device for looms. 1,803,509; May 5.
Sage, Edwin R., Jersey City, N. J. Jack stanchion. 1,803,810; May 5.
Sage in Bourdon del Monte, Caterina, Principessa di San Faustino, Genoa, Italy. Block-notes holder. 1,790,325; Jan. 27.
Sagen, Peter, Skaneateles, N. Y. Tire chain cross member. 1,803,563; May 5.
Sager, Abraham G., Chicago, Ill. Ring. Des. 85,842; Dec. 22.
Sager, Irving. (See Abrams, I., and Sager.)
Sager, Lee R., assignor of one-third to A. W. Julien and one-third to M. A. Pocock, Minneapolis, Minn. Laundry flat piece spreader and rack. 1,827,336; Oct. 13.
Sager, Lee R., assignor of one-third to A. W. Julian and one-third to M. A. Pocock, Minneapolis, Minn. Flat piece laundry rack. 1,836,938; Dec. 15.
Sager, Solomon M., Chicago, Ill. Combination ink bottle. 1,816,057; July 28.
Saginaw Furniture Shops. (See Ginsburg, Lionel L., assignor.)
Saginaw Manufacturing Co. (See Gilbert, Charles T., assignor.)
Saginaw Manufacturing Co. (See Gilbert, Henry J., assignor.)
Saginaw Stamping and Tool Company. (See Powers, Edwin H., assigner.)
Saginor, Phillip, sr., et al. (See Shoer, George G., assignor.)
Sagle, Roy E., Roseville, Ohio. Oiling system. 1,789,195; Jan. 13.
Sague, George, Oakes, N. Y., assignor to George Sague Mfg. Corp. Envelope filling machine. 1,830,889; Nov. 10.
Sague, George, Mfg. Corp. (See Sague, George, assignor.)
Sague, Walter A., Buffalo, N. Y. Halyard cleat. 1,808,791; June 9.
Saharoff, Alexander V., Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Regulator for variable-capacity compressors. 1,798,435; Mar. 31.
Sahler, Herbert, Kansas City, Mo. Wheelbarrow. 1,817,934; Aug. 11.
Sahmel, Viggo, Forest Hills, assignor to F. L. Smidth & Co., New York, N. Y. Grinding mill. 1,813,086; July 7.
Sahr, Frank, Columbus, Ohio. Machine for lasting shoes. 1,833,229; Nov. 24.
Said, William H., assignor to Corning Glass Works, Corning, N. Y. Making glass articles. 1,807,103; May 26.
Sailer, George D., assignor to McKee Glass Company, Jeannette, Pa. Vase or analogous article. Des. 84,377; June 9.
Sailer, Rudolph J., Townley, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Hem folder for sewing machines. 1,823,954; Sept. 22.
Sailer, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Hemmer. 1,826,677; Oct. 6.
Sailer, Rudolph J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work guiding means for sewing machines. 1,828.722; Oct. 20.
Sain, Lawrence, St. Marys, Pa. Picture frame. Des. 84,656; July 14.
Sainderichin, Nicolas. (See Folliet, A., and Sainderichin.)
Saine, Leonard W., Birmingham, Ala. Centrifugal casting machine. 1,790,060; Jan. 27.
St. Bernard, Harry. (See Dennert, E. C., and St. Bernard.)
St. Clair, Byron W., Lynn, Mass. assignor to General Electric Company. Indicating instrument. 1,823,707; Sept. 15.
St. Clair, Levi, assignor of one-third each to O. J. Coulombe and T. Morin, Berlin, N. H. Two-cycle engine. 1,793,975; Feb. 24.
St. Jean, Paul J., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Filling replenishing loom. 1,827,717; Oct. 13.
St. John, Everett, Westport, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Guard for guys and the like. 1,811,369; June 23.
St. Joseph Iron Works. (See Davis, Charles C., assignor.)
St. Joseph Iron Works. (See Schmidtke, Albert H., assignor.)
St. Joseph Iron Works. (See Swigert, Clyde, assignor.)
St. Joseph Lead Company. (See Bilheimer, Earl L., assignor.)
St. Louis, R. J. (See Frazier, Orville Z., assignor.)
St. Louis Label Works. (See Cowgill, Orph W., assignor.)
St. Louis Rubber Cement Company. (See Hadley, Frank K., assignor.)
St. Louis Stove Company. (See Futral, Richard, assignor.)
St. Louis Union Trust Company, executor. (See Knott, Charles.)
St. Peter, George, Bangor, Me. Mandrel de-corer. 1,838,011; Dec. 22.
St. Pierre, Henry W., Torrington, Conn. Rivet former and header. 1,797,702; Mar. 24.
St. Pierre, Octave J., Chicago, Ill. Clutch mechanism. 1,804,037; May 5.
St. Regis Paper Company. (See Bates, Adelmer M., assignor.)
St. Regis Paper Company. (See Kronmiller, Carl G., assignor.)
St. Regis Paper Company. (See Lilly, Scott H., assignor.)
St. Regis Paper Company. (See Marsh, Esli A., assignor.)
St. Regis Paper Company. (See Menke, E. W., and Marsh, assignors.)
St. Regis Paper Company. (See Peterson, William R., assignor.)
St. Regis Paper Company. (See Peterson, W. R., and Dorrington, assignors.)
St. Regis Paper Company. (See Redington, John C., assignor.)
St. Regis Paper Company. (See Thiem, Eugene T., assignor.)
Saito, Hachiro, Tokyo-Fu, Japan. Lining brick for rotary cement kilns. 1,817,421; Aug. 4.
Saito, Kosaku, Osaki-Machi, Japan. Diestock. 1,795,895; Mar. 10.
Saives, Léon, assignor to Societe Anonyme des Usines Renault, Billancourt, France. Endless-track vehicle. 1,797,797; Mar. 24.
Saives, Leon, assignor to M. L. Renault, Billancourt, France. Lubrication of engines. 1,817,422; Aug. 4.
Sakakura, Yukitoshi, Tokyo-Fu, Japan. Incandescent lamp. 1,802,838; Apr. 28.
Saki, Tossy, Salt Lake City, Utah. Power saving device. 1,814,095; July 14.
Saki, Tossy, Salt Lake City, Utah. Variable speed drive mechanism. 1,814,096; July 14.
Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet or similar article. Des. 83,753; Mar. 24.
Sakier, George, New York, N. Y., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Pedestal for lavatory basin. Des. 83,922; Apr. 14.
Sakier, George, New York, N. Y., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Faucet. Des. 83,923; Apr. 14.

Sakier, George, New York, N. Y., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Valve. Des. 83,924; Apr. 14.
Sakier, George, New York, N. Y., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Support for lavatory basins or the like. Des. 85,060; Sept. 8.
Sakier, George, New York, N. Y., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Bathtub. Des. 85,061; Sept. 8.
Sakier, George, New York, N. Y., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Spout. Des. 85,397; Oct. 20.
Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Tumbler or similar article. Des. 85,772; Dec. 15.
Saklatwalla, Byramji D., Crafton, assignor to Vanadium Corporation of America, Bridgeville, Pa. Manufacture of vanadium steel. 1,811,698; June 23.
Saks & Company. (See Bull, Johan, assignor.)
Saks & Co. (See De Liso, Vincent, assignor.)
Saks & Co. (See Liso, Vincent, assignor.)
Saks, Ira, Cleveland Heights, Ohio. Piston and piston ring. 1,801,056; Apr. 14.
Saks, Vadim V., assignor of one-half to Filtrators, Limited, London, England. Sludge remover. 1,813,822; June 7.
Sala, Adrian, assignor of one-half to John Rinaldi, Newark, N. J. Demountable pneumatic-tire construction. 1,795,798; Mar. 10.
Sala, Charles I. (See Kern, J. G., and Sala.)
Sala, Charles J. (See Kern, J. G., and Sala.)
Sala, Charles J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Printing with vat dye. 1,790,950; Feb. 3.
Sala, David G. (See Lindstrom, L. O. B., and Sala.)
Salberg, Karl. (See Crichton, James V., assignor.)
Salenius, Anders G. G. (See Whamond, A. D., and Salenius.)
Salenius, Carl G. T., Gottenborg, Sweden. Washing machine. 1,833,437; Nov. 24.
Salerni, Edoardo M., Paris, France, assignor to E. M. S. Industrial Processes Limited, London, England. Distillation or heat treatment of carbonaceous or like materials. 1,828,683; Oct. 20.
Salerni, Nicholas B., Indianapolis, Ind. Vaginal syringe. Re18,049; Apr. 14.
Salerni, Piero M., Westminster, England. Power transmission mechanism. 1,836,773; Dec. 15.
Salerno, Ferdinando G., Chicago, Ill. Machine for applying shredded material to confection-coated wafers and the like. 1,801,572; Apr. 21.
Salerno, Ferdinando G., Chicago, Ill. Depositing machine. 1,801,573; Apr. 21.
Salerno, Salvatore, Brooklyn, N. Y. Sterilizing case. 1,803,210; Apr. 28.
Salesbury, Frank M. (See Adams, H. W., and Salisbury.)
Salfisberg, Leroy L., South Orange, N. J. Key carrier. 1,797,999; Mar. 24.
Salinger, Morris. (See Schisgall, Theodore, assignor.)
Salisbury, Carl D., assignor to The Winton Engine Company, Cleveland, Ohio. Injection valve means for hydrocarbon motors. 1,811,596; June 23.
Salisbury, Carl D., Cleveland, Ohio, assignor, by mesne assignments, to The Winton Engine Corporation. Internal combustion engine. 1,834,224; Dec. 1.
Salisbury, Carl D., Cleveland, Ohio, assignor, by mesne assignments, to The Winton Engine Corporation. Injection valve means for hydrocarbon motors. 1,836,188; Dec. 15.
Salisbury, Carl D., Cleveland, Ohio, assignor, by mesne assignments, to The Winton Engine Corporation. Internal combustion engine construction. 1,836,189; Dec. 15.
Salisbury, Everett M., Providence, R. I. Display carton or similar article. Des. 84,106; May 5.
Salisbury, Hervey M., Walnut Grove, and A. E. Miller, Sacramento, Calif. Auxiliary lifting wing for aeroplanes. 1,792,764; Feb. 17.
Salisbury, Hervey M., Walnut Grove, and A. E. Miller, Sacramento, Calif. Directional stabilizer for aircraft. 1,803,655; May 5.
Salisbury, Hervey M., Walnut Grove, and A. E. Miller, Sacramento, Calif. Airplane. 1,806,648; May 26.
Salisbury, Hervey M., Walnut Grove, and A. E. Miller, Sacramento, Calif. Gyroscopic airplane. 1,838,327; Dec. 29.
Salisbury, Howard D., Birmingham, Ala. Electrode support for dust precipitators. 1,798,761; Mar. 31.
Salisbury, Jessup, Hamden, assignor to The American Buckle Company, West Haven, Conn. Button loop. 1,806,824; May 26.
Salisbury, Jessup, Hamden, assignor to The American Buckle Company, West Haven, Conn. Button loop. 1,806,825; May 26.
Salisbury, Jessup, Hamden, assignor to The American Buckle Company, West Haven, Conn. Button loop. 1,806,826; May 26.
Salisbury, Jessup, Hamden, assignor to The American Buckle Company, West Haven, Conn. Button loop. 1,820,290; Aug. 25.
Salisbury, Jessup, Hamden, assignor to The American Buckle Company, West Haven, Conn. Slide buckle. 1,825,016; Sept. 29.
Salisbury, Jessup, Hamden, assignor to The American Buckle Company, West Haven, Conn. Button loop. 1,826,223; Oct. 6.
Salkeld, Howard B. (See von Hildebrandt, Paul G., assignor.)
Saller, Roberto, Buenos Aires, Argentina. Speed clutch. 1,833,977; Dec. 1.
Salley, John F. (See Jakopec, G., Salley, and Schwarz.)
Salmen, Arvid, Salem, Oreg. Safety clothes wringer. 1,822,239; Sept. 8.
Salmon, Eugene H., Columbia, S. C. Special type. 1,793,721; Feb. 24.
Salmon, James P., Philadelphia, Pa. Wrench. 1,797,446; Mar. 24.
Salmon, Philip A. (See Shaw, K. R. and Salmon.)
Salmon, Reginald D. (See Creed, F. G., and Salmon.)
Salmon, Reginald D., assignor to Creed and Company, Limited, Croydon, England. Telegraph transmitter. 1,820,499; Aug. 25.
Salmon, Reginald D., assignor to Creed and Company Limited, Croydon, Surrey, England. Mechanically actuated vibratory relay. 1,834,292; Dec. 1.
Salmon, Reginald D. Croydon, England, assignor to Creed and Company Limited. Telegraphic receiving apparatus. 1,834,349; Dec. 1.
Salmon, Reginald D., assignor to Creed and Company, Limited, Croydon, Surrey, England. Signaling system. 1,835,531; Dec. 8.
Salomon, Emil, Tulsa, Okla. Salesman's commercial buttonhole emblem. Des. 85,261; Sept. 29.
Salomon, Richard, New York, N. Y. Window frame. 1,836,991; Dec. 15.
Salomone, Joseph, Brooklyn, N. Y. Combination household implement. 1,805,011; May 12.
Salsbury, Ralph T., Oakland, Calf. Bottle capper. 1,817,210; Aug. 4.
Salstrom Carving Machine Company. (See Salstrom, David B., assignor.)
Salstrom, David B., assignor to Salstrom Carving Machine Company, Chicago, Ill. Form tool for carving machines. 1,801,982; Apr. 21.
Salter, Leslie Vallejo, Calif. Pontoon diver. 1,815,680; July 21.
Salvat, Pierre, San Francisco, Calif. Wood working machine. 1,820,162; Aug. 25.
Salvo, Luis, et al. (See Bulgarini, Luis, assignor.)
Salyards, William E., Jr., Highland Park, assignor to Crowe Name Plate & Manufacturing Co., Chicago, Ill. Escutcheon for radiopanel. Des. 83,010; Jan. 6.
Salz, Ignatz, New York, N. Y. Special tool. 1,820,163; Aug. 25.
Salzedo, Carlos, New York, N. Y., assignor to Lyon & Healy, Inc., Chicago, Ill. Harp. Des. 83,925; Apr. 14.
Salzer, Lawrence C., Auburn, N. Y. Blowtorch. 1,835,723; Dec. 8.
Salzgeber, Gustave A., Dorchester, Mass. Magnetic compass. 1,799.648; Apr. 7.
Salzman, Martin, Bronx, N. Y. Straw hat. 1,838,113; Dec. 29.
Salzman, Morris, Brooklyn, assignor to Universal Permanent Wave Machine Corporation, New York, N. Y. Curling rod. 1,806,711; May 26.
Salzman, Morris, Brooklyn, assignor to Universal Permanent Wave Machine Corporation, New York, N. Y. Heater suspending reel. 1,837,234; Dec. 22.
Samaia, Dino, Milan, Italy. Bomb for use with a special bomb-thrower or with firearms already existing and having a smaller caliber than the bomb. 1,806,223; May 19.
Samaras, Stephen, and L. Ravizza, Oakland, Calif. Adjustable golf club. 1,818,359; Aug. 11.
Samard, Gabriel, Canby, Oreg. Picture-frame hanger. 1,792,326; Feb. 10.
Samberg, Conrad. Wheeling, W. Va. Louver for windows. 1,830,487; Nov. 3.
Sambor, Samuel, Newark, N. J. Water heater. 1,791,607; Feb. 10.
Samburg, Maurice, et al. (See Degener, Gustave O., assignor.)
Samburg, Maurice. (See Hochman and Degener, assignors.)
Samburg, Maurice, Brooklyn, assignor to Lock Patents Holding Corporation, New York, N. Y. Combination lock. 1,796,270; Mar. 10.
Samburg, Maurice, Brooklyn, assignor to Lock Patents Holding Corporation, New York, N. Y. Combination lock. 1,796,271; Mar. 10.
Samburg, Maurice, and J. C. Hochman, New York, N. Y. Multiple totalizer attachment for typewriters. 1,829,543; Oct. 27.
Samels, John P., Minneapolis, Minn., assignor, by mesne assignments, to General Heat Engineering Company. Humidifier. 1,801,057; Apr. 14.
Samesreuther & Co., G. m. b. H. (See Samesreuther, Richard, and Kränzlein, assignors.)
Samesreuther, Richard. (See Kraenzlein, G., and Samesreuther.)
Samesreuther, Richard, Butzbach Hessen, and G. Kränzlein, Hochst-on-the-Main, assignors of one-half to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, and one-half to Samesreuther & Co., G. m. b. H., Butzbach Hessen, Germany. Heat-exchange wall for containers. 1,796,123; Mar. 10.
Sammeth, Lewis R., Goldsboro, N. C. Tobacco cleaning machine. 1,808,438; June 2.

Sammon, Joseph, Kearny, N. J., assignor to Driver-Harris Company, Harrison, N. J. Shaft for heat-treating furnaces. 1,828,510; Oct. 20.
Sample, Clarence J., St. Louis, Mo. Trestle. 1,816,198; July 28.
Sample, Leslie, Benton, assignor to Thermal Syndicate Limited, Wallsend-on-Tyne, England. Joining together parts of fused quartz, silica, or the like. 1,796,401; Mar. 17.
Sample, Perry B., New York, N. Y., assignor of one-fourth to Ira J. Adams. Method of and apparatus for controlling mechanical oscillations. 1,809,288; June 9.
Sample, Warren M., Muncie, Ind. Combination nut bowl, ash tray, and match holder. 1,832,585; Nov. 17.
Sampson, Charles H., assignor to Sampson Permagraph Company Inc. Rochester, N. Y. Mechanical movement. 1,805,375; May 12.
Sampson, Charles H., assignor to Sampson Permagraph Company, Inc., Rochester, N. Y. Keyboard mechanism. 1,819,975; Aug. 18.
Sampson, Charles R., Cheswold, Del. Railway crossing gate. 1,812,559; June 30.
Sampson, Felix P. (See Sather, C. O., and Sampson.)
Sampson, Frederick W. (See Geyer, H. D., and Sampson.)
Sampson, Frederick W., assignor to Continental Motors Corporation, Detroit, Mich. Drag link. 1,820,633; Aug. 25.
Sampson, John C., St. Louis, assignor of one-half to J. E. Sampson, University City, Mo. Attachment plug. 1,797,620; Mar. 24.
Sampson, John T., Bristol, Va. Window screen. 1,832,246; Nov. 17.
Sampson, Julian E. (See Sampson, John C., assignor.)
Sampson, Norman E., assignor to Canton Forge & Axle Company, Canton, Ohio. Apparatus for manufacturing rail anchors. 1,790,951; Feb. 3.
Sampson Permagraph Company Inc. (See Sampson, Charles H., assignor.)
Sampson, Richard H., Westfield, N. J. Automobile. Des. 84,107; May 5.
Sams, Albert J., Chicago, Ill. Hydraulic adjustable hub plate. 1,817,020; Aug. 4.
Sams, Albert J., Chicago, Ill. Roller contact oiler. 1,824,302; Sept. 22.
Sams, James A., and V. F. Shaw, Schenectady, N. Y., assignors to General Electric Company. Apparatus for testing metals. 1,798,196; Jan. 13.
Samson, Frank N., Elgin, Ill. Valve burnishing tool. 1,829,373; Oct. 27.
Samson, John, Bozeman, Mont. Power saw. 1,835,432; Dec. 8.
Samson, Otto A. (See Baumgarten, John C., assignor.)
Samson, Siegfried, and A. Vocke, Kassel, Germany. Device for reading maps and writings, looking at pictures and the like. 1,818,757; Aug. 11.
Samson, Siegfried, and A. Vocke, Kassel, Germany. Device for looking at pictures, reading maps and writings and the like. 1,833,595; Nov. 24.
Samson, Thomas, Grafton, N. Dak. Seed potato cutter. 1,805,376; May 12.
Samson-United Corporation. (See Samuels, A. O., and Warner, assignors.)
Samson-United Corporation. (See Samuels, Abe O., assignor.)
Samu, Josip. (See Jakopec, G., and Samu.)
Samuel, Albert H., Baltimore, Md. Fishing-line sinker. 1,789,988; Jan. 27.
Samuel, John M. (See Stout, H. H., and Samuel, assignors.)
Samuel, Max, Rostock, Germany. Rubber brush. 1,817,585; Aug. 4.
Samuel, Renè, Paris, France. Building element. 1,837,374; Dec. 22.
Samuels, Abe O., assignor to Samson-United Corporation, Rochester, N. Y. Electric waffle iron. Des. 84,599; July 7.
Samuels, Abe O., assignor to Samson-United Corporation, Rochester, N. Y. Electric hot plate. Des. 84,758; July 28.
Samuels, Abe O., assignor to Samson-United Corporation, Rochester, N. Y. Electric waffle iron. Des. 84,759; July 28.
Samuels, Abe O., assignor to Samson-United Corporation, Rochester, N. Y. Electric egg cooker. Des. 85,773; Dec. 15.
Samuels, Abe O., assignor to Samson-United Corporation, Rochester, N. Y. Making metallic shells. 1,838,003; Dec. 22.
Samuels, Abe O., and G. Adams, Rochester, N. Y.; said Adams assignor to said Samuels. Knife sharpener. 1,787,641; Jan. 6.
Samuels, Abe O., and M. L. Warner, Rochester, assignors to Samson-United Corporation, Rochester, N. Y. Sad iron. 1,834,971; Dec. 8.
Samuelsen, Hjalmar, Oslo, and J. D. Kielland, Vinderen, near Oslo, Norway. Combined collecting and money changing apparatus. 1,836,774; Dec. 15.
Samuelson, Albert J., Omaha, Nebr. Calendar making. 1,788,441; Jan. 13.
Samuelson, Eric T., assignor to Beardslee Chandelier Manufacturing Company, Chicago, Ill. Lighting fixture globe holder. 1,818,163; Aug. 11.
Sanabria, Ulises A., Louisville, Ky., assignor, by mesne assignments, to Western Television Corporation, Chicago, Ill. Method and means for scanning. 1,805,848; May 19.
Sanborn, Augustus M., Porterville, Calif. Fluid motor. 1,831,035; Nov. 10.
Sanborn, Chester A., Lynn, Mass. Building. Des. 85,006; Sept. 1.
Sanborn, Dexter, jr. (See Jeffrey, M. L., Eickhoff, and Sanborn, assignors.)
Sanborn, Ralph E. (See Burt, H. P., Burt, and Sanborn.)
Sand, Julius A., jr., Detroit, Mich. Housing for a liquid-container-vending machine. Des. 83,353; Feb. 17.
Sandage, Jacob R., Chicago, Ill. Impact tool. 1,813,087; July 7.
Sandberg, Messrs. (See Sandberg, Christer P., O. F. A., and N. P. P., assignors.)
Sandberg, Christer P., O. F. A., and N. P. P., assignors to the Firm of Messrs. Sandberg, London, England. Manufacture of railway and tramway rails. 1,827,616; Oct. 13.
Sandberg, Ivar O. E., Stockholm, Sweden. Cigar machine. 1,829,238; Oct. 27.
Sandberg, Joseph. (See Dauch, A. D., and Sandberg.)
Sandberg, Nils P. P. (See Sandberg, Christer P., O. F. A., and N. P. P.)
Sandberg, Oscar, assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Wrapping machine. 1,807,709; June 2.
Sandberg, Oscar, assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Wrapping machine. 1,807,756; June 2.
Sandberg, Oscar F. A. (See Sandberg, Christer P., O. F. A., and N. P. P.)
Sandberg, Paul A., Minneapolis, and J. E. Olen, St. Paul, Minn. Brake-testing apparatus. 1,831,198; Nov. 10.
Sandberg, Robert E., assignor to De Luxe Metal Furniture Company, Warren, Pa. Cabinet. 1,819,524; Aug. 18.
Sandberg, William J. (See Meiselbach, August D., assignor.)
Sandefur, William H., Fort Valley, Ga. Ice sign. 1,800,106; Apr. 7.
Sandell, Carl V. (See McCutchen, B. S., and Sandell.)
Sandelowsky, Sally. (See Wagner, P., and Sandelowsky.)
Sander, Paul, Chemnitz, Germany. Device for selecting the needles of circular knitting machines. 1,791,976; Feb. 10.
Sander, Paul E. B., assignor to Chemnitzer Strick-Maschinen-Fabrik, A. G., Chemnitz, Germany. Circular knitting machine. 1,820,989; Sept. 1.
Sander, Richard, Curityba, Brazil. Sound board for pianofortes and the like. 1,794,550; Mar. 3.
Sander, Wilhelm, assignor to Firm Th. Goldschmidt A.-G., Essen-Ruhr, Germany. Accelerating the reaction in alumino-thermic processes especially in their application to welding. 1,822,506; Sept. 8.
Sanders, Adolph J. and J. A., New York, N. Y. Table. 1,797,698; Mar. 24.
Sanders, Alfred B., assignor of one-tenth to The American Forging and Socket Company, Pontiac, Mich. Adjustable connection for steering gear members. 1,828,707; Oct. 20.
Sanders, Charles E., La Plata, Mo. Beehive brood frame. 1,820,500; Aug. 25.
Sanders, Edward, Blackwell, Tex. Pumping device. 1,807,556; May 26.
Sanders, Edward, Moorhead, Minn. Potato harvester. 1,814,060; July 14.
Sanders, Erie C., Burlington, N. C. Weight-releasing device for the draw-off mechanism of full-fashioned knitting machines. 1,795,682; Mar. 10.
Sanders, George E., New York, N. Y. Forming colloidal suspensions containing copper and product thereof. 1,803,870; May 5.
Sanders, Gilbert E., St. Louis, Mo. Flue air strainer. 1,813,584; July 7.
Sanders, Jerome A. (See Sanders, Adolph J. and J. A.)
Sanders, Marshall T. (See Davis, R. G., and Sanders.)
Sanders, Maurice, Arverne, assignor to Ideal Novelty & Toy Co., Brooklyn, N. Y. Doll. 1,793,335; Feb. 17.
Sanders, Oscar, St. Joseph, Mo. Mail box holder. 1,809,726; June 9.
Sanders, Oscar L., San Francisco, Calif. Power storage and transmission mechanism. 1,814,607; July 14.
Sanders, Rudolph M., assignor to Adartcraft, Inc., New York, N. Y. Display device. 1,823,988; Sept. 22.
Sanders, Rufus C., Detroit, and C. E. Summers, Pontiac, assignors to General Motors Corporation, Detroit, Mich. Rubber bushing. 1,835,575; Dec. 8.
Sanders, Wilbur E., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Rotary valve furnace. 1,809,727; June 9.
Sanders, Wilbur F., Chicago, Ill. Desk pad. 1,836,775; Dec. 15.
Sanderson, Arthur K., assignor to Love Brothers Incorporated, Aurora, Ill. Wire polishing machine. 1,823,989; Sept. 22.
Sanderson, Arthur K., assignor to Love Brothers Incorporated, Aurora, Ill. Wire take off mechanism. 1,823,990; Sept. 22.
San Diego Consolidated Gas and Electric Company. (See Volk, Wolfe, assignor.)
Sandieson, Patrick R., assignor to The Willys-Overland Company, Toledo, Ohio. Generator adjustment 1,797,531; Mar. 24.

Sandin, Jerome, Wilkins Township, Allegheny County, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fuse box. 1,819,204; Aug. 18.
Sandin, Maurits J., Wilkins Township, Allegheny County, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fuse mechanism. Re18,073; May 19.
Sandison, Alexander G. S., Kelda, Baltasound, Shetland Islands. Regulating combustion in boiler furnaces. 1,805,012; May 12.
Sandler, Carl, Milwaukee, Wis. Shoe-heel. 1,807,935; June 2.
Sandman, Frederick H., Detroit, Mich. Finishing strip. 1,787,876; Jan. 6.
Sandoe, Clarence J., St. Louis, Mo. Rotary grate for boiler and heating plants. 1,801,694; Apr. 21.
Sandor, Nicholas, Dresden, Germany. Apparatus for producing foam in fine bubbles. 1,834,646; Dec. 1.
Sandor, Nikolaus, London, England. Cleansing human hair. 1,833,538; Nov. 24.
Sands, Archie S., et al. (See Kissinger, Charles V., assignor.)
Sandstrom, Carl E., assignor of one-third to L. C. Wilson, and one-third to W. S. Wilson, Indianapolis, Ind. Side-door windshield. 1,800,359; Apr. 14.
Sandstrom, Charles O., Los Angeles, Calif. Heat exchange apparatus. 1,831,971; Nov. 17.
Sandstrom, Felix C., Milwaukee, Wis., assignor to International Harvester Company. Cream separator. 1,828,546; Oct. 20.
Sandura Company. (See Baldwin, Julian T., assignor.)
San-Duro Manufacturing Co., The. (See Nielsen, Emil J., assignor.)
Sandvik, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for sound reproduction. 1,813,681; July 7.
Sanfarine, Société Anonyme de Nouxeaux Procédés, Rationnels de Purification et de Préparation de Pates de Céréals. (See Rabinowitsch, Efraim, assignor.)
Sanford, Henry H., Mansfield, Ohio. Cabinet gas heater. 1,807,014; May 26.
Sanford, Hugh W., Knoxville, Tenn. Mine car. 1,796,347; Mar. 17.
Sanford, Hugh W., Knoxville, Tenn. Railway car. 1,796,348; Mar. 17.
Sanford, Hugh W., Knoxville, Tenn. Railway. 1,802,445; Apr. 28.
Sanford, Hugh W., Knoxville, Tenn. Mine car. 1,824,841; Sept. 29.
Sanford, Hugh W., Knoxville, Tenn. Railway car. 1,826,367; Oct. 6.
Sanford, Hugh W., and W. O. McKamey, Knoxville, Tenn. Mine car. 1,790,326; Jan. 27.
Sanford, Hugh W., and H. W. Jones, Knoxville, Tenn., assignors to Sanford Investment Company, Wilmington, Del. Journal box and axle. 1,834,035; Dec. 1.
Sanford Investment Company. (See Jones, G. E., jr., and McCullen, assignors.)
Sanford Investment Company. (See McKamey, William O., assignor.)
Sanford Investment Company. (See Sanford, H. W., and Jones, assignors.)
Sanford, John W., Claremont, N. H., assignor to Sullivan Machinery Company. Automatic compressor control system. 1,834,592; Dec. 1.
Sanford, Joseph W., Washington, D. C., Refrigerator. 1,837,293; Dec. 22.
Sanford Mills. (See Knowlton, R. W., and Bennett, assignors.)
Sanford Mills. (See Leach, Ellis J., assignor.)
Sanford Mills. (See Mellor, Horace, assignor.)
Sanford Mills. (See Spendlove, Robert, assignor.)
Sanford, Roy S. (See Dodge, A. Y., and Sanford.)
Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,787,494; Jan. 6.
Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,793,253; Feb. 17.
Sanford, Roy S., South Bend, assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,796,809; Mar. 17.
Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating mechanism. 1,800,473; Apr. 14.
Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake operating mechanism. 1,808,076; June 2.
Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Vehicle having brakes. 1,809,069; June 9.
Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake operating connection. 1,812,021; June 30.
Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake operating mechanism. 1,812,022; June 30.
Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake-operating mechanism. 1,819,846; Aug. 18.
Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Lever connection. 1,821,452; Sept. 1.
Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake operating connection. 1,825,680; Oct. 6.
Sanford, William M. H., Hartford, Conn. Sanitary food package. 1,830,246; Nov. 3.
Sanford, Sydney J., assignor of one-half to C. W. Larner, Philadelphia, Pa. Motion picture. 1,807,877; June 2.
Sanftleben, Joseph F., assignor to Filtrators Company, Inc., New York, N. Y. Apparatus for use in preventing incrustation of water cooled engines. 1,827,113; Oct. 13.
Sangals, Paul, Jamaica, N. Y. Electric terminal. 1,799,706; Apr. 7.
Sangamo Electric Company. (See De Long, Charles E., assignor.)
Sangamo Electric Company. (See Holtz, Frederick C., assignor.)
Sangamo Electric Company. (See Lanphier, R. C., and Holtz, assignors.)
Sangamo Electric Company. (See Wilmeth, Roscoe H., assignor.)
Sanger, Harry G., and F. F. Kishline, assignors to Graham-Paige Motors Corporation, Detroit, Mich. Lubricating system. 1,809,357; June 9.
Sanger, Walter E., deceased, and O. H. Wurster, Chicago, Ill.; Union Trust Company, Detroit, Mich., executor, assignor to said Wurster. Apparatus for extracting soluble substances. 1,799,481; Apr. 7.
Sanial, Arthur J. (See Chestnut, R. W., Fisher, and Sanial.)
Sanine, Pierre, assignor of one-fourth to C. E. Moore, Nice, France. Automatic change speed mechanism. 1,818,910; Aug. 11.
Sani Paper Products Co. Inc. (See Herting, Otto, assignor.)
Sanitarium Equipment Company. (See Goodrich, Norris E., assignor.)
Sanitarium Equipment Company. (See Goodrich, N. E., and Connor, assignors.)
Sanitary Products Corporation. (See Jay, William C., assignor.)
Sanitary Public Service Corporation. (See Hallock, Robert L., assignor.)
Sanitary Public Service Corporation. (See Stably, William, assignor.)
Sanite Corporation. (See Neidich, Samuel A., assignor.)
Sanite Corporation. (See Whitehouse, John N., assignor.)
Sanmarti, Teodoro, Sabadell, Barcelona, Spain. Elastic wheel. 1,814,634; July 14.
Sanner, Hulbert, assignor to L. A. Ederer, Chicago, Ill. Program machine. 1,810,732; June 16.
Sansburn, Alexander W., Pilares De Nacozari, Sonora, Mexico. Shock absorbing spring for motor trucks. 1,825,093; Sept. 29.
Santarelli, Alphonse. (See Ciciotti, Andrea, assignor.)
Santee, Edwin J., St. Louis County, Mo. Desk. 1,824,236; Sept. 22.
Santens, Louis, San Francisco, Calif. Ironing device for the folds of collars. 1,833,539; Nov. 24.
Santiago, James J., assignor to J. Grant, Los Angeles, Calif. Rotary expanding underreamer. 1,794,735; Mar. 3.
Santiago, James J., assignor to John Grant, Los Angeles, Calif. Expanding roller underreamer. 1,796,479; Mar. 17.
Santiago, James J., assignor to J. Grant, Los Angeles, Calif. Liner puller. 1,804,843; May 12.
Santiago, James J., assignor to J. Grant, Los Angeles, Calif. Fishing tool. 1,829,760; Nov. 3.
Santini, Randolph, assignor to Arco Vacuum Corporation, New York, N. Y. Vacuum brush. 1,808,178; June 2.
Santos, John R. L., assignor to The Bartlett Hayward Company, Baltimore, Md. Gas holder. 1,836,282; Dec. 15.
Santos, John R. L., assignor to The Bartlett Hayward Company, Baltimore, Md. Gas holder. 1,836,283; Dec. 15.
Santos, Juan D., New York, N. Y. Flying machine. 1,816,616; July 28.
Santurello, Peter, Columbus, Ohio. Hood for a hair drier or article of similar nature. Des. 84,495; June 23.
Santurello, Peter, Columbus, Ohio. Container for liquids or an article of similar nature. Des. 84,550; June 30.
Sanymetal Products Company, The. (See Carpenter, Robert F., assignor.)
Sanymetal Products Company, The. (See Carpenter, R. F., and Anderson, assignors.)
Sanzo, Anthony, et al. (See Sheckels, R. C., and Carson, assignors.)
Sapier, Abraham, assignor to Universal Stamping & Mfg. Co., Chicago, Ill. Projecting machine. 1,816,234; July 28.
Saporta, Alberto, Milan, Italy. Closure for pressure vessels. 1,821,726; Sept. 1.
Sappington, G. Ridgely, et al., trustees. (See Mas. George N.)
Sarafian, Haig, New York, N. Y., assignor to Novelite, Inc. Illuminated display. 1,817,397; Aug. 4.
Saranac Automatic Machine Corporation. (See Craig, Edward, assignor.)
Saranac Machine Company. (See Craig, Edward, assignor.)
Sarazin, Robert, and M. Moneyron, Neuilly-sur-Seine, France. Direct current generator. 1,814,061; July 14.
Sarbacher, Robert I., assignor to Electrical Research Products Inc., New York, N. Y. Horn support. 1,837,491; Dec. 22.
Sarbey, Maurice D. (See Cooper, H. S., and Sarbey.)
Sarfaty, Morton P., Larchmont, N. Y. Restaurant service system and apparatus. 1,796,668; Mar. 17.

Sarg, Antonio F., New York, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass. Blanket. Des. 83,754; Mar. 24.
Sarg, Antonio F., New York, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass. Blanket. Des. 83,755; Mar. 24.
Sarg, Antonio F., New York, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass. Blanket. Des. 83,756; Mar. 24.
Sarg, Antonio F., New York, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass. Blanket. Des. 84,849; Aug. 11.
Sarg, Antonio F., New York, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass. Box cover paper or the like. Des. 84,850; Aug. 11.
Sarg, Antonio F., New York, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass. Blanket. Des. 84,851; Aug. 11.
Sarg, Antonio F., New York, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass. Box cover paper or the like. Des. 84,852; Aug. 11.
Sargent, Charles G., and F. L. Furbush, assignors to C. G. Sargent's Sons Corporation, Granitsville, Mass. Machine for feeding mixed stock. 1,823,955; Sept. 22.
Sargent & Company. (See Dunn, Peter S., assignor.)
Sargent & Company. (See Phillips, Clayton L., assignor.)
Sargent & Company. (See Shaw, John H., assignor.)
Sargent & Company. (See Thomas, William N., assignor.)
Sargent & Company. (See Weller, J. H., and Newton, assignors.)
Sargent, Fitz W., Mahwah, N. J., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake shoe. 1,837,588; Dec. 22.
Sargent, Frank P., Stratford, assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 1,806,649; May 26.
Sargent, Grafton F., Fitchburg, Mass. Rocking horse. 1,817,768; Aug. 4.
Sargent & Greenleaf, Inc. (See Diesel, William F., assignor.)
Sargent & Greenleaf, Inc. (See Walker, Herbert F., assignor.)
Sargent, Herbert L., Salem, Mass. Torsional pendulum drive. 1,830,624; Nov. 3.
Sargent and Lundry, Incorporated. (See Heaton, H. C., Neubeck, and Reisfeld, assignors.)
Sargent, Ralph M., Franklin Park, Mass. Ironing machine. 1,821,670; Sept. 1.
Sargent, Tom. (See Robinson, P. G., and Sargent.)
Sargent, Tom. (See Robinson, P. G., Foweraker, Beasley, and Sargent.)
Sargent, Walter H., Malden, Mass. Propeller. 1,826,957; Oct. 13.
Sargent, William D., West Orange, N. J. Vehicle wheel. 1,820,711; Aug. 25.
Sargents, C. G., Sons Corporation. (See Noonan, James A., assignor.)
Sargents', C. G., Sons Corporation. (See Sargent, C. G., and Furbush, assignors.)
Sarheim, John O., and O. A. Olsen, Brooklyn, assignors to E. W. Bliss Company, New York, N. Y. Safety automatic stop. 1,797,025; Mar. 17.
Sarkisian, Dickran M., Forest Hills, N. Y. Drapery supporting device. 1,812,903; July 7.
Sarlarnier, Jean B., Crepleux-La-Pape, France. Container and distributor for pulverulent substances more particularly applicable for face powder. 1,830,294; Nov. 3.
Sarr, Elmer E., assignor of one-half to H. C. Weitzman, Huron, Ohio. Jack. 1,794,798; Mar. 3.
Sarrazin, Georges. (See Barreaux, A., and Sarrazin.)
Sarri, Tommato, Paris, France. Shock absorber. 1,833,596; Nov. 24.
Sartakoff, Jack, D. (See McCandless, L., and Sartakoff.)
Sartakoff, Jack D., New York, N. Y., assignor, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Battery of valves. 1,797,591; Mar. 24.
Sartakoff, Jack D., assignor, by mesne assignments, to Khetah Corporation, New York, N. Y. Liquid level indicating system. 1,805,849; May 19.
Sasnett, Edward C., Washington, D. C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,791,168; Feb. 3.
Sasnett, Edward C., Washington, D. C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,809,604; June 9.
Sasnett, Edward C., Washington, D. C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Automatic train control system. 1,817,945; Aug. 11.
Sass, Friedrich, Berlin-Charlottenburg, J. Radloff, Berlin, and J. Gerstmayr, Berlin-Charlottenburg, assignors to Allgemeine Elektricitats-Gesellschaft, Berlin, Germany. Scavenging two-cycle internal combustion engine. 1,833,861; Nov. 24.
Sass, Harvey H., Westpoint, Nebr. Trip-rope holder. 1,800,756; Apr. 14.
Sasse, Wilhelm, Charlottenburg, Germany. Apparatus for drying liquid or pulpy material. 1,827,617; Oct. 13.
Sassur, Adam, Chicago, Ill. Making bricks. 1,837,072; Dec. 15.
Satchwell, Leonard, Slough, England. Thermostat. 1,798,854; Mar. 31.
Sather, Carl O., and F. P. Sampson, Minneapolis, Minn. Fisherman's line drier. 1,809,728; June 9.
Sato, Ryuji, New York, N. Y. Auxiliary insole. 1,829,612; Oct. 27.
Sato, Ryuji, New York, N. Y. Fastener. 1,829,613; Oct. 27.
Sato, Zentaro, Santa Ana, Calif. Plant shield. 1,814,339; July 14.
Satow, Teikichi, Tokyo, Japan. Apparatus for treating soy beans. 1,799,256; Apr. 7.
Satow, Teikichi, Tokyo, Japan. Waterproof glue. 1,824,448; Sept. 22.
Sattarelli, Thomas L. (See Capito, Pete, assignor.)
Satterlee, Henry S. New York, N. Y. Identifying apparatus. 1,835,340; Dec. 8.
Satterlee, Henry S., New York, N. Y., assignor to The Identograph Company, Inc. Photographic apparatus. 1,801,458; Apr. 21.
Satterstrom, Ferdinand, assignor to The Spiral Cutter Company, Faribault, Minn. Apparatus for grinding tools. 1,834,972; Dec. 8.
Sattler, Edward A., assignor to G. J. Sattler, Buffalo, N. Y. Artificial denture. 1,804,812; May 12.
Sattler, George J. (See Sattler, Edward A., assignor.)
Sattler, Nathan. (See Burstein, C. S., and Sattler.)
Saturnino, Tofé y Bonilla, Gimileo, Spain. Auxiliary keyboard. 1,795,468; Mar. 10.
Satz, Edouard F., Antwerp, Belgium. Process and apparatus for the manufacture of cardboard matches. 1,830,856; Nov. 10.
Saubiac, B., & Son. (See Sellier, Georges, assignor.)
Sauchelli, Vincent, Pittsburgh, Pa., assignor to The Koppers Company. Sulphur soap. 1,820,872; Aug. 25.
Sauer, Albert H., jr., Cincinnati, Ohio. Leather wristwatch strap and manufacturing it. 1,799,868; Apr. 7.
Sauer, Conrad, assignor of fifty per cent to J. G. Doelfel, Pittsburgh, Pa. Clothes prop. 1,806,827; May 26.
Sauer, Ernst, Process, Inc. (See Sauer, Ernst, assignor.)
Sauer, Ernst, Schloss Kaibitz, Germany, assignor to The Ernst Sauer Process, Inc. Printing form and preparing the same. 1,811,971; June 30.
Sauer, Frederick, assignor to The Kilborn-Sauer Company, Fairfield, Conn. Rear-vision-mirror bracket. 1,794,207; Feb. 24.
Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Reflector. Des. 83,063; Jan. 13.
Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield Conn. Reflector signal. 1,832,880; Nov. 24.
Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Light-reflecting device. 1,834,647; Dec. 1.
Sauer, Howard A., assignor to Eastman Kodak Company, Rochester, N. Y. Film pack construction. 1,823,295; Sept. 15.
Sauer, Joseph. (See Cahill, Thomas, assignor.)
Sauer, Louis J., Oak Park, assignor to Charles H. Joy, sr., Chicago, Ill. Ball thrust bearing. 1,796,539; Mar. 17.
Sauer, Louis J., Oak Park, assignor to C. H. Joy, sr., Chicago, Ill. Bearing construction. 1,810,296; June 16.
Sauer, Louis J., Oak Park, assignor to C. H. Joy, sr., Chicago, Ill. Automatic feeding device. 1,817,103; Aug. 4.
Sauer, Louis J., Oak Park, assignor to C. H. Joy, sr., Chicago, Ill. Margin bar. 1,817,168; Aug. 4.
Sauer, Louis J., Oak Park, assignor to C. H. Joy, sr., Chicago, Ill. Automatic feeding device. 1,817,211; Aug. 4.
Sauer, Louis J., Oak Park, assignor to C. H. Joy, sr., Chicago, Ill. Feeding device for duplicating machine. 1,817,423; Aug. 4.
Sauer, Peter, assignor to The Kilborn-Sauer Company, Fairfield, Conn. Rear-view mirror. 1,836,878; Dec. 15.
Sauerbeck, Joseph M., Danville, Va. Sealing apparatus. 1,827,618; Oct. 13.
Sauermann, George H., assignor to The Russell Manufacturing Company, Middletown, Conn. Ventilated webbing. 1,825,924; Oct. 6.
Sauerstoff-Centrale fur Medizinische Zwecke Dr. Ernst Silten. (See Silten, Heinz, assignor.)
Saugman, Hartvig P., Glendale, Calif. Beverage dispenser. 1,788,442; Jan. 13.
Saulen Mfg. Co. (See Poranski, Walter, assignor.)
Saulle, Antonio, et al. (See Foti, Charles, assignor.)
Sauls, Edward C., Columbus, Ga. Ice-shaving machine. 1,789,776; Jan. 20.
Saunders, Arthur. (See Saunders, Frederick and A.)
Saunders, Arthur B., Nashua, N. H. Sheet cutting machine. 1,805,743; May 19.
Saunders, Arthur B., Nashua, N. H., assignor to Johns-Manville Corporation, New York, N. Y. Corrugating machine. 1,834,648; Dec. 1.
Saunders, Clyde J. (See Byrnes, W. J., Byrnes, and Saunders.)
Saunders, David M., Hicksville, Ohio. Street and station indicator. 1,803,811; May 5.
Saunders, Emmett A., South Bend, assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Fastener. 1,820,327; Aug. 25.
Saunders, Emmett A., South Bend, assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Quick operating fastener. 1,834,225; Dec. 1.
Saunders, Frederick and A., Norfolk, Va. Display and roasting machine. 1,790,488; Jan. 27.
Saunders, Homer, Chicago, Ill. Picture screen. 1,819,268; Aug. 18.
Saunders, Joseph H., and H. A. Williford, assignors to China American Tobacco Company, Rocky Mount, N. C. Adjustable drum extension for hogsheads. 1,822,612; Sept. 8.

Saunders, Laurence P., assignor to Harrison Radiator Corporation, Lockport, N. Y. Fan housing. 1,829,374; Oct. 27.
Saunders, Lewis E., L. H. Milligan, Worcester, and M. F. Beecher, Holden, assignors to Norton Company, Worcester, Mass. Abrasive product and making the same. 1,829,761; Nov. 3.
Saunders, Norman H. (See Levy, O. C., Lomax, and Saunders.)
Saunders, Norman H., Homewood, assignor to Reserve Holding Company, Chicago, Ill. Automatic telephone system. 1,805,726; May 19.
Saunders, Norman H., Homewood, assignor to Reserve Holding Company, Chicago Ill. Telephone system. 1,834,649; Dec. 1.
Saunders, Norman H., Homewood, and C. E. Lomax, Oak Park, Ill., assignors to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,800,321; Apr. 14.
Saunders, Norman H., Homewood, and C. E. Lomax, Oak Park, assignors to Reserve Holding Company, Chicago, Ill. Telephone system. 1,830,678; Nov. 3.
Saunders, Philip K., Johannesburg, Transvaal, Union of South Africa. Diaphragm valve. 1,800,157; Apr. 7.
Saunders, Samuel R., Green Bay, Wis. Internal combustion hammer. 1,813,513; July 7.
Saunders, Walter S., and R. Martindell, assignors to American Forging & Socket Company, Pontiac, Mich. Seat-back support. 1,791,765; Feb. 10.
Saunders, William C., Hinton, Iowa. Wire reeling attachment. 1,805,636; May 19.
Saunders, William C., Hinton, Iowa. Wire reeler. 1,823,212; Sept. 15.
Saunders, William H., assignor to Pacific Clay Products, Los Angeles, Calif. Apparatus for calking pipe. 1,828,075; Oct. 20.
Saunders, William L., Chicago, Ill. Variable speed transmission. 1,827,489; Oct. 13.
Saunders, Wilson S., Kalamazoo, Mich. Pocket case or container. 1,807,936; June 2.
Saurer, Curt, Cleveland, assignor to The Mechanical Rubber Company, Cleveland, Ohio. Motor mounting. 1,792,872; Feb. 17.
Saurer, Curt, assignor to The Mechanical Rubber Company, Cleveland, Ohio. Non-metallic connection. 1,818,758; Aug. 11.
Saurman, Atlee B., Pittsburgh, and J. B. Webb, Wilkinsburg, Pa., assignors, by mesne assignments, to General Cable Corporation. Terminal structure. 1,837,375; Dec. 22.
Sauser, A. G. (See Asper, Otto, assignor.)
Sauter, Erwin, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Interpole for rotary converters. 1,820,398; Aug. 25.
Sautter, Wilhelm, Emmendingen, near Freiburg, Germany. Hydraulic oil dispensing system. 1,802,672; Apr. 28.
Sauvage Appliance Co. (See Sauvage, William H., assignor.)
Sauvage, William H., assignor, by mesne assignments, to Gould Coupler Company, New York, N. Y. Slack adjuster. 1,789,499; Jan. 20.
Sauvage, William H., assignor, by mesne assignments, to Sauvage Appliance Co., New York, N. Y. Slack adjuster. 1,792,873; Feb. 17.
Sauvage, William H., assignor to Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,798,436; Mar. 31.
Sauvage, William H., assignor to Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,798,437; Mar. 31.
Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,802,673; Apr. 28.
Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Foundation brake rigging. 1,809,729; June 9.
Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Adjustable tie rod. 1,815,420; July 21.
Sauvage, William H., assignor by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,825,366; Sept. 29.
Sauvageau, Emile, South Peabody, Mass. Poultry fountain. 1,820,835; Aug. 25.
Sauzedde, Claude, Detroit, Mich. Making wheel rims. 1,809,605; June 9.
Sauzedde, Claude, Detroit, Mich. Wire spoke lacing for wheels. 1,836,818; Dec. 15.
Savage, Edward S. (See Schelle, H. M., Fisher, Bareham, and Savage.)
Savage, Edward S., Rochester, N. Y. Self-propelled figure toy. 1,800,874; Apr. 14.
Savage, Edward S., Rochester, N. Y. Molding machine. 1,809,358; June 9.
Savage, Edwin H. (See Alborn, F. G., and Savage.)
Savage, Gertrude. (See Itkowitz, I., and Savage.)
Savage, John C., London, England. Apparatus for use in the formation of trails of visible luminous, or poison laden material from aerial or other craft. 1,835,970; Dec. 8.
Savage, John L. (See McClellan, L. N., Kinzie, Savage, and Day.)
Savage, Joseph, Runcorn, England. Extracting oleaginous and other materials with volatile solvents. 1,791,906; Feb. 10.
Savage, Peter J., Iron River, Wis. Automotive driving visor. 1,790,327; Jan. 27.
Savage, Peter J., Iron River, Wis. Visor. 1,790,328; Jan. 27.
Savage, Robert L., Cedar Rapids, Iowa. Poultry-shipping box. 1,789,777; Jan. 20.
Savage, William T., assignor to Philadelphia Metal Drying Form Company, Philadelphia, Pa. Drying apparatus. 1,836,087; Dec. 15.
Savally, Leo, New York, N. Y. Electric plug. 1,789,693; Jan. 20.
Savani, Luigi, assignor to Societa Italiana Ernesto Breda per Costruzioni Meccaniche, Milan, Italy. Portable firearm for casting bombs and grenades by means of ordinary bullet cartridges. 1,816,265; July 28.
Savani, Luigi, Milan, assignor to Societa Italiana Ernesto Breda per Costruzioni Meccaniche, Milan, Italy. Percussion fuse for bombs and other projectile. 1,826,190; Oct. 6.
Savard, Philippe A., St. Ambroise, Quebec, Canada. Bathing suit. 1,800,960; Apr. 14.
Savarit, Paul. (See Ricard, E., Savarit, and Guinot.)
Savidge, Clinton L. (See Russell, F. C., and Savidge.)
Savidge, Louis A., Kansas City, Mo. Loose-leaf binder. 1,797,447; Mar. 24.
Savidge, William G., Sunbury, Pa. Nutlock. 1,806,506; May 19.
Savin, John, and R. E. Boyd, Liverpool, England, assignors, by mesne assignments, to Associated Telephone & Telegraph Company, Kansas City, Mo. Switch for telephone systems. 1,796,402; Mar. 17.
Savoy, Jack, Glenmora, La. Razor strop sterilizer. 1,816,127; July 28.
Savoye, Charles U. (See Kerr, H. J., and Savoye.)
Savoye, Charles U., Hackensack, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater. 1,824,627; Sept. 22.
Savoye, Charles U., Hackensack, and H. J. Kerr, Westfield, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Water-tube boiler. 1,788,207; Jan. 6.
Savy, Emile, Paris, France. Machine for coating and glazing biscuits. 1,818,911; Aug. 11.
Savy, Robert, and L. Lebert, Courbevoie-on-the-Seine, France, and M. M. Guggenheim, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Enrobing or confection-coating apparatus. 1,810,681; June 16.
Sawin, Kenneth A. (See Henry, G. J. and Sawin.)
Sawin, Kenneth A., Winthrop, assignor to Wheeler Reflector Company, Boston, Mass. Attaching shields to electric-light fixtures. 1,797,555; Mar. 24.
Sawin, Kenneth A., Winthrop, assignor to Wheeler Reflector Company, Boston, Mass. Shock-absorbing electric fixture. 1,821,406; Sept. 1.
Sawle, William S., Chicago, Ill. Punching tool. signor.)
Sawtelle, Charles A., assignor of one-half to Armin A. Darmstaetter, Detroit, Mich. Fluid brake mechanism. 1,813,319; July 7.
Sawtelle, Charles A., assignor of one-half to A. A. Darmstaetter, Detroit, Mich. Carburetor and method of carbureting. 1,833,183; Nov. 24.
Sawyer, Albert F., assignor to I. L. Keith, Haverhill, Mass. Combined refrigerator and ice-cream freezer. 1,791,041; Feb. 3.
Sawyer, Albert F., assignor to I. L. Keith, Haverhill, Mass. Expansion valve for refrigerating systems. 1,793,019; Feb. 17.
Sawyer, Arthur E, Paris, France. Jacking device for vehicles. 1,789,778; Jan. 20.
Sawyer, Charles B., Cleveland Heights, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piezo-electric device. 1,802,780; Apr. 28.
Sawyer, Charles B., Cleveland Heights, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piezo-electric device. 1,802,782; Apr. 28.
Sawyer, Charles B., Cleveland Heights, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piezo-electric device. 1,802,783; Apr. 28.
Sawyer, Charles B., Cleveland Heights, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Phonograph pickup. 1,803,273; Apr. 28.
Sawyer, Charles B., Cleveland Heights, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piezo electric device. 1,803,274; Apr. 28.
Sawyer, Charles B., Cleveland Heights, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piezo-electric device. 1,803,275; Apr. 28.
Sawyer, Charles B., and C. F. Brush, jr., Cleveland Heights; The Cleveland Trust Company, executor of the estate of said C. F. Brush, jr., deceased, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piezo electric device. 1,802,781; Apr. 28.
Sawyer, Charles B., and B. Kjellgren, assignors to The Brush Beryllium Company, Cleveland, Ohio. Obtaining beryllium and aluminum compounds. 1,823,864; Sept. 15.
Sawyer, Emerson D., Chicago, Ill. Yieldable barrier. 1,828,296; Oct. 20.
Sawyer, Florence, Chicago, Ill. Shoe and ankle protector. 1,820,679; Aug. 25.
Sawyer, Frank M., Richmond, Va. Concrete window sash. 1,825,162; Sept. 29.

Sawyer, Frank M., assignor to Fireproof Building Corporation, Richmond, Va. Concrete block wall construction. 1,802,839; Apr. 28.
Sawyer, Gregg E., and John W. Smith, Independence, Kans. Well boring, spudding, and bailing apparatus. 1,793,872; Feb. 24.
Sawyer, Henry A., administrator. (See Hancock, Harry H.)
Sawyer, Howard F., et al. (See Chenery, Henry L., as- 1,806,266; May 19.
Sawyer, John D. (See Quam, L. B., Worthington, and Sawyer.)
Sawyer, John W. and B. E. Large, Ashland, Nebr. Mule hazard. Des. 83,064; Jan. 13.
Sawyer, Nellie A., executrix. (See Hancock, Harry H.)
Sawyer, Simeon L., assignor to F. A. Peters, Chicago, Ill. Curtain support. 1,798,276; Mar. 31.
Sawyer, Willard N., Winchendon, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-making machine. 1,787,642; Jan. 6.
Sax, Isidore, et al. (See Wolf, Jacob, assignor.)
Sax, Marcus, et al. (See Wolf, Jacob, assignor.)
Saxe, Van Rensselaer P., Baltimore, Md. Metal connection for building frames. 1,824,631; Sept. 22.
Saxon, Herman R., Toledo, Ohio. Thimble cap for metal bar eyes. 1,812,987; July 7.
Saxon and Warren. (See Maxey, Fred H., assignor.)
Saye, John F., Bell, Calif. Method and apparatus for sealing well casings. 1,801,983; Apr. 21.
Sayer, John, Flagstaff, Ariz. Ice skate blade. 1,826,958; Oct. 13.
Sayers, William W., assignor to Link-Belt Company, Chicago, Ill. Automatic loader. 1,814,769; July 14.
Sayers, William W., assignor to Link-Belt Company, Chicago, Ill. Traveling back post for power hose. 1,816,701; July 28.
Sayers, William W., Chicago, Ill., and M. B. Tark, Philadelphia, Pa., assignors to Link-Belt Company, Chicago, Ill. Sewage-disposel apparatus. 1,799,150; Apr. 7.
Sayers, William W., assignor to Link-Belt Company, Chicago, Ill. Automatic control for skip buckets. 1,835,094; Dec. 8.
Sayler, Galen H., Chicago, Ill., assignor to Dennison Manufacturing Company, Framingham, Mass. Making fast colored crepe paper. 1,805,013; May 12.
Sayles Finishing Plants, Inc. (See Johnson, Kenneth S., assignor.)
Sayles, Fred, Los Angeles, Calif. Shoe straightener. 1,790,952; Feb. 3.
Sayles, Raymond E., Independence, Mo. Steaming sadiron. 1,789,478; Jan. 20.
Sayles, Raymond E., Kansas City, Mo. Sadiron. 1,793,750; Feb. 24.
Saymon, William, Brooklyn, N. Y. Lamp receptacle. Des. 84,853; Aug. 11.
Saynisch, Yole, New York, N. Y. Corset. 1,812,758; June 30.
Saywell, George W. (See Monosmith, C. E. and D. J., assignors.)
Sbicca, Frank, assignor to Sbicca-method Shoes Incorporated. Philadelphia, Pa. Shoe and making same. 1,838,708; Dec. 29.
Sbicca-method Shoes Incorporated. (See Sbicca, Frank, assignor.)
Sburlino, Pascal, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,828,849; Oct. 27.
Scadding, Frederick C., Shaker Heights, Ohio. Dental appliance. 1,795,098; Mar. 3.
Scalf, William D., Pineville, Ky. Drop-seat for garments. 1,819,976; Aug. 18.
Scandia Manufacturing Company. (See Branander, Wilhelm B., assignor.)
Scandura, Anthony J., Malden, Mass. Electrically illuminated ornament. 1,812,378; June 30.
Scanlan, Chester J., assignor to American Foundry & Furnace Company, Bloomington, Ill. Temperature control. 1,788,067; Jan. 6.
Scanlan, Joseph M., Great Neck, assignor to G & G Atlas Systems, Inc., New York, N. Y. Pneumatic carrier system. 1,815,590; July 21.
Scanlan-Morris Company. (See Linde, Gustave F., assignor.)
Scannell, Albert T., Chicago, Ill. Bucket and hopper construction for material-elevating towers. 1,798,501; Mar. 31.
Scannell, Albert T., Chicago, Ill. Clamp. 1,825,425; Sept. 29.
Scardone, Charles, Elkton, Md. Salute. 1,789,372; Jan. 20.
Scardone, Charles, Elkton, Md. Rocket. 1,823,378; Sept. 15.
Scarlett, Arthur A., Hamilton, Ontario, Canada, assignor to International Harvester Company, Chicago, Ill. Caster wheel lock for plows. 1,815,332; July 21.
Scarlett, George B., assignor to Fibre Specialty Manufacturing Company, Kennett Square, Pa. Collapsible truck. 1,828,684; Oct. 20.
Scarlett, William R., Lake Charles, La. Engine starter. 1,838,004; Dec. 22.
Scarpelli, William F. (See De Cristofaro, Carlo, assignor.)
Scavullo, Angelo C., Great Kills, N. Y., assignor to Arthur Schiller & Son. Plate or similar article. Des. 85,398; Oct. 20.
Scavullo, Angelo C., Great Kills, N. Y., assignor to Arthur Schiller & Son. Plate or similar article. Des. 85,399; Oct. 20.
Scavullo, Angelo C., Great Kills, N. Y., assignor to Arthur Schiller & Son. Plate or similar article. Des. 85,400; Oct. 20.
Scene-In-Action Corporation. (See Sabath, Albert, assignor.)
Schaaf, Charles, F. M. Morrison, A. L. Henkel, Milwaukee, and R. E. Williams, Wauwatosa, assignors to Frank Schaaf Company, Milwaukee, Wis. Branding sausage. 1,830,410; Nov. 3.
Schaaf, Downs, assignor to The Stitt Ignition Company, Columbus, Ohio. Seal for spark plugs. 1,790,445; Jan. 27.
Schaaf, Edward, et al. (See Fortune, John A., assignor.)
Schaaff, John T., Washington, D. C., assignor to The Tabulating Machine Company, New York, N. Y. Key punch. 1,803,979; May 5.
Schaded, Enis, Paducah, Tex. Safety gas fixture. 1,839,053; Dec. 29.
Schaaf, Frank, Company. (See Schaaf, C., Morrison, Henkel, and Williams, assignors.)
Schaaf & Good Company, The. (See Hershey, Willard V., assignor.)
Schaaff, John T., Washington, D. C., assignor to The Tabulating Machine Company, New York, N. Y. Punch and typewriter controlling means therefor. 1,821,078; Sept. 1.
Schaaff, John T., Washington, D. C., assignor to The Tabulating Machine Company, Endicott, N. Y. Perforating machine. 1,830,811; Nov. 10.
Schaaff, Louis W., Weehawken, N. J. Coin-in-the-slot machine for the polishing of finger nails. 1,821,034; Sept. 1.
Schaaff, Louis W., Weehawken, N. J., assignor to Textile Machine-Service Corporation of America, New York, N. Y. Ring and bar traveler construction. 1,834,874; Dec. 1.
Schaafhausen, Wilhelm, assignor to "Herold" Aktiengesellschaft, Hamburg, Germany. Acoustic testing apparatus for detecting irregularities of machines of any type. 1,834,875; Dec. 1.
Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pull-off yoke. 1,810,733; June 16.
Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley pole. 1,815,591; July 21.
Schabacker, Fred H., assignor to Rockford Mitten & Hosiery Company, Rockford, Ill. Circular knitting machine. 1,814,265; July 14.
Schaber, Ralph F., Detroit, Mich. Heater. 1,829,303; Oct. 27.
Schacher, Adolf, assignor of one-half to D. Simon, Philadelphia, Pa. Clutch. 1,805,530; May 19.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Index tab for loose-leaf sheets. 1,795,046; Mar. 3.
Schade, Frank S., Holyoke, Mass., assignor to Chain Belt Company, Milwaukee, Wis. Conveyer flight. 1,800,663; Apr. 14.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Book cover. 1,826,259; Oct. 6.
Schade, James W., assignor to American Anode, Inc., Akron, Ohio. Method and apparatus for lining pipes. 1,822,240; Sept. 8.
Schade, James W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizing method and apparatus. 1,829,018; Oct. 27.
Schade, James W., Akron, and H. L. Trumbull, Hudson, assignors, by mesne assignments, to American Anode Inc., Akron, Ohio. Rubber product and making same. 1,834,973; Dec. 8.
Schade, James W., Akron, and H. L. Trumbull, Hudson, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Rubber article and making same. 1,834,974; Dec. 8.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Booster for loose-leaf ring books. 1,787,956; Jan. 6.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf ring book. 1,787,957; Jan. 6.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Back for loose-leaf ring books. 1,787,958; Jan. 6.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. 1,795,047; Mar. 3.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Book cover. 1,808,179; June 2.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Visible index book. 1,822,669; Sept. 8.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Lock lever for telescoping elements. 1,822,670; Sept. 8.
Schade, Karl, Berlin-Wilmersdorf, and H. Hochreuter, Berlin-Siemensstadt, Germany, assignors to Westinghouse Electric & Manufacturing Company. Control system. 1,836,992; Dec. 15.
Schaefer, Adolph A., North Tonawanda, N. Y. Friction testing machine. 1,810,405; June 16.
Schaefer, Carl A., jr., Springfield, assignor, by mesne assignments, to The Buckeye Incubator Manufacturing Company, Beachwood, Ohio. Brooder. 1,796,626; Mar. 17.

Schaefer, David, Brooklyn, N. Y. Chandelier. 1,815,074; July 21.
Schaefer, Frank, assignor of one-half to American Signs Corporation, Kalamazoo, Mich. Illuminated sign. 1,792,124; Feb. 10.
Schaefer, Frank, assignor of one-half to American Signs Corporation, Kalamazoo, Mich. Gaseous tube lamp sign. 1,804,062; May 5.
Schaefer, Frank, Kalamazoo, and O. S. Duffendack, Ann Arbor; said Duffendack assignor to American Signs Corporation, Kalamazoo, Mich. Gaseous conduction lamp electrode. 1,813,320; July 7.
Schaefer, Frederic. (See Busse, Edwin G., assignor.)
Schaefer, Frederic. (See Moody, William O., assignor.)
Schaefer, Frederic, Pittsburgh, Pa. Brake-hanger support. 1,797,532; Mar. 24.
Schaefer, Frederic, Pittsburgh, Pa. Brake hanger support. 1,804,119; May 5.
Schaefer, Frederic, Pittsburgh, Pa. Manufacturing closed-link brake hangers. 1,826,027; Oct. 6.
Schaefer, George W., South Braintree, Mass., assignor to Addressograph Company, Wilmington, Del. Printing device. 1,808,007; June 2.
Schaefer, George W., Quincy, Mass. Wrench. 1,819,525; Aug. 18.
Schaefer, Herbert, Luxemburg, Luxemburg. Heating in a gaseous atmosphere particularly in a reducing or oxidizing atmosphere. 1,807,257; May 26.
Schaefer, John V., Chicago, Ill., assignor of one-half to Cement-Gun Construction Company, Chicago, Ill., and one-half to Cement-Gun Company, Inc., Allentown, Pa. Stack. 1,817,104; Aug. 4.
Schaefer, Paul, Crystal Lake, Ill. Heating structure. 1,834,650; Dec. 1.
Schaefer, William D., assignor to Motors Development Company, Milwaukee, Wis. Gas engine. 1,812,833; June 30.
Schaeffer, Earl Y., Kutztown, Pa. Antiskid chain. 1,817,586; Aug. 4.
Schaeffer, Jacob H., Brooklyn, N. Y. Finger ring. Des. 84,657; July 14.
Schaeffer, John, Enid, Okla. Burial vault. 1,815,526; July 21.
Schaeffer, Melvin L., assignor of one-half to M. H. Lane, Washington, D. C. Shoe lace tip. 1,833,264; Nov. 24.
Schaeffers, Joseph, Wichita, Kans. Rotary plow. 1,830,565; Nov. 3.
Schaelchlin, Walter, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Voltage regulator. 1,820,712; Aug. 25.
Schaer, Charles, Langenthal, assignor to the Firm of Sulzer Frères Société Anonyme, Winterthur, Switzerland. High-pressure reciprocating compressor. 1,787,643; Jan. 6.
Schaer, Charles, Langenthal, assignor to the Firm of Sulzer Freres Societe Anonyme, Winterthur, Switzerland. High-pressure piston or reciprocating compressor or the like. 1,797,244; Mar. 24.
Schaer, Charles, Langenthal, assignor to the Firm of Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Reciprocating-piston compressor. 1,797,245; Mar. 24.
Schaer, Charles, Langenthal, assignor to the Firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. High-pressure reciprocating compressor. 1,798,227; Mar. 31.
Schaer, Charles, Langenthal, assignor to the firm of Sulzer Frerès Societe Anonyme, Winterthur, Switzerland. Piston rod. 1,802,158; Apr. 21.
Schaer, Charles, Langenthal, assignor to the Firm: Sulzer Frères Société Anonyme, Winterthur, Switzerland. High pressure reciprocating compressor. 1,806,311; May 19.
Schaer, Charles, Langenthal, assignor to the Firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland. High pressure reciprocating piston compressor. 1,816,403; July 28.
Schaerer, Otto, and F. Poppensieker, Cologne, assignors to the Firm Alfred H. Schutte, Cologne-Deutz, Germany. Screw cutting device for automatic lathes. 1,805,998; May 19.
Schaetzke, Ferdinand A., Milwaukee, Wis. Cigarette extinguisher. Des. 83,469; Feb. 24.
Schäfer, Aladar, Handlova, Czechoslovakia. Anchored support for mining tools. 1,791,382; Feb. 3.
Schafer, Herbert E., Seminole, Okla. Fishing tool. 1,801,984; Apr. 21.
Schäfer, Max, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Circuit breaker for ignition devices. 1,793,375; Feb. 17.
Schafer, Ralph V. (See Mitchell, H. S., and Schafer.)
Schäfer, Wilhelm. (See Richter, A., and Schäfer.)
Schäfer, Wilhelm, Bochum, Germany. Concentration process for flotable substances as ores, coals, graphite, and the like. 1,788,331; Jan. 6.
Schäfer, Wilhelm, Bochum, Germany. Treatment of complex ores by flotation. 1,788,332; Jan. 6.
Schäfer, Willy, assignor to the Firm Ernst Leitz, Optische Werke, Wetzlar, Germany. Rotatable stage for microscopes. 1,798,634; Mar. 31.
Schaff, George M., Cleveland, Ohio. Shoe. 1,801,532; Apr. 21.
Schaff, Gustav H., Trenton, N. J. Supporting bracket for flowerpots or the like. 1,794,251; Feb. 24.
Schaffer, David, Pawtucket, R. I. Battery connector terminal. 1,809,452; June 9.
Schaffer, Everett F. (See Martin, Dougall C., assignor.)
Schaffer, Hans. (See Milazo, T., and Schaffer.)
Schaffer, Jacob M., Washington, D. C., assignor to A. M. Hyde, Secretary of Agriculture of the United States of America. Preparing antigens. 1,816,026; July 28.
Schaffer, John C., Pittsburgh, Pa., assignor, by mesne assignments, to American Pine Chemicals, Inc., New Augusta, Miss. Temperature treatment. 1,836,510; Dec. 15.
Schaffer, Max, New York, N. Y., assignor to Max Schaffer Co., Inc. Lighting-fixture Globe. Des. 83,011; Jan. 6.
Schaffer, Max, Springfield, Mass., assignor to Hampden Automotive Products, Inc. Guard for automobile. 1,794,122; Feb. 24.
Schaffer, Max, Co. (See Schaffer, Max, assignor.)
Schäffer, Werner, Laupen-Bern, assignor, by mesne assignments, to Chocolat Tobler Holding Co., Aktiengesellschaft, Schaffhause, Switzerland. Printing process. 1,808,320; June 2.
Schaffert, Adolf H., Youngstown, Ohio. Spacing means for bolt connected plates. 1,835,243; Dec. 8.
Schaffert, Adolf H., assignor to Truscon Steel Company, Youngstown, Ohio. Metallic deck structure. 1,801,240; Apr. 14.
Schaffler-Glössl, Konrad, Vienna, Austria. Dynamo-electric igniting device. 1,788,892; Jan. 13.
Schaffner, Emanuel J., Minneapolis, Minn. Composition of matter for welding copper and steel. 1,836,401; Dec. 15.
Schaffner, Emanuel J. and N. E., and K. E. Field, Minneapolis, Minn. Composition of matter for use in welding copper and steel. 1,787,553; Jan. 6.
Schaffner, Nora E. (See Schaffner, Emanuel J. and N. E., and Field.)
Schaich, Wilhelm. (See Schirmacher, K., Schlichenmafer, Kross, Schaich, Tampke, and Neumann.)
Schakner, Albert L., Chicago, Ill. Truss pad. Des. 83,415; Feb. 17.
Schalk, Jacob R. (See Donaldson, Theodore L., assignor.)
Schalk, Jacob R., Rhinebeck, N. Y. Rail locking means. 1,805,014; May 12.
Schalk, Jacob R., Rhinebeck, N. Y. Rail locking device. 1,834,425; Dec. 1.
Schaller, John L., Wellesley, Mass. Roof joint. 1,805,110; May 12.
Schallert, Richard, New York, N. Y. Propeller. 1,799,192; Apr. 7.
Schallis, Charles A., Lincoln Park, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Coffee maker or like article. Des. 83,216; Feb. 3.
Schallis, Charles A., Ernestville, Lincoln Park, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Combined cooker and toaster or like article. Des. 84,760; July 28.
Schallis, Charles A., Ernestville, Lincoln Park, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Waffle baker or like article. Des. 85,548; Nov. 10.
Schamm, Joseph H. (See Burr, G. A., and Schramm.)
Schanil, George W., Lake Lillian, Minn. Disk cultivator attachment. 1,835,095; Dec. 8.
Schantz, Fred W., Louisville, Ky. Ash receiver for furnaces. 1,793,376; Feb. 17.
Schantz, Henry, New Castle, Pa. Molding machine. 1,826,577; Oct. 6.
Schanze, Emil, and H. Kafka, Berlin, Germany. Tapping device for closed vessels. 1,795,510; Mar. 10.
Schapel, Karl, North Hollywood, Calif. Safety propeller. 1,812,451; June 30.
Schaper, Harry C., assignor to The Exact Weight Scale Company, Columbus, Ohio. Weighing scale. 1,835,185; Dec. 8.
Schapira, Carl, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Secret transmission of signals. 1,809,070; June 9.
Schappi, Daniel. (See Hyde, R. E., and Schappi.)
Schardt, Paul, Shawano, Wis. Sealing means for paper bags and the like. 1,802,276; Apr. 21.
Scharf, Jacob S., New York, N. Y. Lamp and heater. 1,817,040; Aug. 4.
Scharf, Michael M., New York, N. Y. Making umbrellas. 1,798,110; Mar. 24.
Scharf, Morris, Philadelphia, Pa. Garbage-can container. 1,791,766; Feb. 10.
Scharf, Reinhardt, Thiensville, Wis. Educational device. 1,804,813; May 12.
Scharlo, Edwin J., Canton, Ohio. Shield for piling bricks. 1,814,968; July 14.
Schärli, Rudolf, Baden, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric transformer. 1,831,142; Nov. 10.
Scharnagel, Herman, Tomkinsville, N. Y., and M. H. Loughridge, Bogota, N. J., assignors to H. W. Dyer, New York, N. Y. Refrigerating apparatus. 1,813,960; July 14.
Scharnberg, Herman J. B., Fort Wadsworth, N. Y. Hydraulic piston packing. 1,808,973; June 9.
Scharnberg, Herman J. B., Fort Wadsworth, N. Y. Hydraulic cane feed stop and leveler. 1,826,827; Oct. 13.
Scharpenberg, Charles C., and L. G. Gates, Bakersfield, assignors to Standard Oil Company of California, San Francisco, Calif. Ball bearing nut assembly. 1,835,341; Dec. 8.
Scharringhausen, William H., Irvington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone desk set. 1,788,747; Jan. 13.
Schat, Ane P., Utrecht, Netherlands. Boat chock. 1,807,104; May 26.

Schat, Ane P., Utrecht, Netherlands. Winding apparatus for the fall of ships' life boats. 1,830,890; Nov. 10.
Schattanek, Erich, Vienna, Austria. Internal combustion engine. 1,835,971; Dec. 8.
Schatz, Emil. (See Russell, J. G., and Schatz.)
Schatz, Herman A. (See Smith, William F., assignor.)
Schaub, Lisle C., Chicago, Ill. Bath fixture. 1,835,813; Dec. 8.
Schaub, Otto, Biel, Switzerland. Wood reenforced concrete structural member. 1,792,040; Feb. 10.
Schaub, Rudolph G. (See Jordan, Charles J., assignor.)
Schaubhut, Arthur A., assignor of one-fifteenth to H. Pugh, Thibodaux, La. Rail coupling. 1,821,325; Sept 1.
Schauer, Oliver V., West View, and A. G. Daellenbach, Beaver, Pa. Grease cup. 1,836,042; Dec. 15.
Schaum, Fletcher, assignor to Fletcher Works, Philadelphia, Pa. Washing machine and automatic control therefor. 1,824,237; Sept. 22.
Schauman, Frank, assignor to Automatic Anchor-Control Corporation, New York, N. Y. Anchor casting and weighing apparatus. 1,799,257; Apr. 7.
Schaumann, Otto. (See Ludwig, W., and Schaumann.)
Schaumbad Gesellschaft mit beschrankter Haftung. (See Dyhr, Jens, assignor.)
Schauss Furniture Co., The. (See Schauss, John A., assignor.)
Schauss, John A., assignor to The Schauss Furniture Co., Norwalk, Ohio. Chair. 1,792,247; Feb. 10.
Schauss, John A., Norwalk, assignor to The Commerce Guardian Trust & Savings Bank, trustee, Toledo, Ohio. Chair. 1,834,500; Dec. 1.
Schaut, George G., Philadelphia, Pa. Fermentation device. 1,834,536; Dec. 1.
Schechter, Louis, Los Angeles, Calif. Gasoline dispenser. 1,822,241; Sept. 8.
Scheck, Johann Oskar Emil, Zurich, Switzerland. Display ticket for marking and pricing goods. 1,818,164; Aug. 11.
Scheel, John B., Jackson Heights, assignor to La Mont Corporation, New York, N. Y. Steam generator. 1,800,961; Apr. 14.
Scheele, Charles C., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Mechanical clothes washer and dried. 1,788,125; Jan. 6.
Scheele, Edwin H., New York, N. Y., assignor to Westfield River Paper Company, Inc., Russell, Mass. Embossed glassine paper. Des. 84,057; Apr. 28.
Scheele, Edwin H., New York, N. Y., assignor to Westfield River Paper Company, Inc., Russell, Mass. Embossed glassine paper. Des. 85,549; Nov. 10.
Scheer, Johan G., Lidingo, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm-Lidingo, Sweden. Cooking stove. 1,817,712; Aug. 4.
Scheffold, Carl B., Marquis, Saskatchewan, Canada. Sloper attachment for road grading machines. 1,818,434; Aug. 11.
Scheftel, Edwin K. (See Pollock, Archibald F. and D. A., assignors.)
Schehl, Joseph W., assignor of one-half to L. Ruegg, Los Angeles, Calif. Cigarette holder. 1,792,765; Feb. 17.
Scheibe, Adolf. (See Giebe, E., and Scheibe.)
Scheibe, Harold M., Belmont, Mass. Push-plate. 1,819,126; Aug. 18.
Scheibe, Richard, Klotzsche, near Dresden, Germany. Superstructure for railways. 1,803,073; Apr. 28.
Scheibel, Kurt. (See Bohmann, A. A., and Scheibel.)
Scheibel, William, assignor to Bulova Watch Company, Inc., New York, N. Y. Watchcase. Des. 84,496; June 23.
Scheibell, Gordon B., Friendship Heights, Md. Fluid flow circuit controller. 1,836,284; Dec. 15.
Scheiber, William J. (See Kienle, R. H., and Scheiber.)
Scheibman, Harry, Brooklyn, N. Y., assignor to Capital Lighting Fixture Company, Inc. Lighting fixture. Des. 85,116; Sept. 15.
Scheid, Edward M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,837,294; Dec. 22.
Scheiderman, John, Cincinnati, Ohio. Demountable tire rim. 1,828,076; Oct. 20.
Scheidler, Ralph R. (See Meyer, H. M., and Scheidler.)
Schein, Alexander E., Flushing, assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Roll and pitch reducing device for ships. 1,800,408; Apr. 14.
Schein, Alexander E., New York, assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Bearing and oiling system for gyro-stablizers. 1,836,730; Dec. 15.
Scheiner, Harry, et al. (See Colucci, John M., assignor.)
Scheitlin, Emil, Basel, Switzerland. Making an organic mercury compound. 1,802,036; Apr. 21.
Scheiwer, Albert T., Erie, Pa. Lower blade for barber clippers. 1,791,228; Feb. 3.
Schell, Johan H., Rotterdam, Netherlands. Cutting, sawing, slotting, and similar apparatus. 1,829,679; Oct. 27.
Schellberg, Oscar B., New York, N. Y. Bottle support. 1,799,764; Apr. 7.
Schellberg, Oscar B., New York, N. Y. Valve mechanism for proctotherapy apparatus. 1,815,449; July 21.
Schelle, Helen M., and H. G. Fisher, Rochester, and N. Bareham, Churchville, and E. S. Savage, Rochester, N. Y. Figure toy. 1,829,680; Oct. 27.
Schellenbach, William L. (See Robinson, A. E., and Schellenbach.)
Schellenbach, William L., Wyoming, assignor to The American Tool Works Company, Cincinnati, Ohio. Tool attachment for lathes. 1,815,012; July 14.
Schelleng, John C. (See Oswald, A. A., and Schelleng.)
Schelleng, John C., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,813,961; July 14.
Schelleng, John C., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Protective circuit for vacuum tubes. 1,816,913; Aug. 4.
Schelleng, John C., Milburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Regulating device for high frequency power amplifiers. 1,836,556; Dec. 15.
Schellenger, Newton C., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Plug. 1,819,040; Aug. 18.
Schellenger, Newton C., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Metal frame rheostat. 1,823,472; Sept. 15.
Schellenger, Newton C., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Rheostat. 1,823,473; Sept. 15.
Schellenger, Newton C., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Rheostat. 1,823,474; Sept. 15.
Schellenger, Newton C., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Volume control. 1,833,041; Nov. 24.
Schellenger, Newton C., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Volume control. 1,833,042; Nov. 24.
Schellens, Christopher A. (See Schellens, Eugene L. and C. A.)
Schellens, Christopher A., Marblehead, Mass., assignor to C-S Engineering Company, Englewood, N. J. Tender-feed-water heater. 1,789,713; Jan. 20.
Schellens, Christopher A., Marblehead, Mass., assignor to C-S Engineering Company, Jersey City, N. J. Lubricating device. 1,808,792; June 9.
Schellens, Christopher A., Marblehead, Mass., assignor to C-S Engineering Company, Jersey City, N. J. Tender feed water heater. 1,816,874; Aug. 4.
Schellens, Christopher A., Marblehead, Mass., assignor to C-S Engineering Company, Englewood, N. J. Packing for centrifugal pumps. 1,825,251; Sept. 29.
Schellens, Eugene L., Millburn, assignor to C-S Engineering Company, Englewood, N. J. Feed water heating device. 1,802,125; Apr. 21.
Schellens, Eugene L., Millburn, assignor to C-S Engineering Company, Englewood, N. J. Method of and apparatus for cleaning feed water heaters. 1,824,505; Sept. 22.
Schellens, Eugene L., Ridgewood, assignor to C-S Engineering Company, Englewood, N. J. Feed water heating apparatus. 1,828,473; Oct. 20.
Schellens, Eugene L., Millburn, N. J., and C. A. Schellens, Marblehead, Mass., assignors to C S Engineering Company, Jersey City, N. J. Feed water heater. 1,803,772; May 5.
Schellens, Eugene L., Millburn, N. J., and C. A. Schellens, Marblehead, Mass., assignors to C-S Engineering Company, Jersey City, N. J. Feed water heater. 1,809,730; June 9.
Schellens, Eugene L., Millburn, N. J., and C. A. Schellens, Marblehead, Mass., assignors to C-S Engineering Company, Jersey City, N. J. Feed water heater. 1,822,459; Sept. 8.
Schellens, Eugene L., Ridgewood, and R. P. Peckett, jr., assignors to C-S Engineering Company, Englewood, N. J. Locomotive feed water apparatus. 1,828,474; Oct. 20.
Schellentrager, Eugene W., Shaker Heights, assignor to The Atlas Bolt & Screw Company, Cleveland, Ohio. Automatic bin-gate-actuating means. 1,796,480; Mar. 17.
Schellentrager, Eugene W., Shaker Heights Village, assignor to The Atlas Bolt & Screw Company, Cleveland, Ohio. Bin-gate-operating cylinder. 1,799,707; Apr. 7.
Schellentrager, Eugene W., Shaker Heights, assignor to Atlas Bolt & Screw Company, Cleveland, Ohio. Self propelling device. 1,802,277; Apr. 21.
Schellentrager, Eugene W., Cleveland Heights, assignor to The Atlas Bolt & Screw Company, Cleveland, Ohio. Recording machine. 1,815,681; July 21.
Schellentrager, Eugene W., Shaker Heights, and W. E. Boyer, Cleveland, Ohio. Electric apparatus. 1,821,989; Sept. 8.
Scheller, Emil. (See Pfleger, J., and Scheller.)
Schellhaas, John. (See Williams, Joseph, assignor.)
Schellhorn, Fritz, Prag-Weinberge, assignor to Nigrolit-Werke, G. m. b. H., Berlin-Weissensee, Germany. Pressure frame or apparatus for use in the production of sound records. 1,790,113; Jan. 27.
Schelly, Cyril G. (See Yost, R. G., and Schelly.)
Scheloske, Carl J. (See Robin, P. T., and Scheloske.)
Schemmel, Robert C., Union City, Ind. Finishing welt. Re18,297; Dec. 22.
Schemmel, Robert C., Union City, Ind. Ornamental conduit for electric wires. 1,798,035; Mar. 24.
Schemmel, Robert C., Union City, Ind. Fender welt and making the same. 1,808,259; June 2.

Schempp, Anton, Bronx, N. Y. Window-cleaning device. 1,788,846; Jan. 13.
Schempp, Anton, New York, N. Y. Mop. 1,821,481; Sept. 1.
Schenck, Carl, Eisengresserei und Maschinenfabrik Darmstadt G. m. b. H. (See Heymann, H., and Lehr, assignors.)
Schenck, Charles F., Cleveland, assignor, by mesne assignments, to The Toledo General Manufacturing Company, Toledo, Ohio. Drill spindle. 1,830,679; Nov. 3.
Schenck, Daniel W., assignor of one-half to R. Baker, Kansas City, Kans. Direction indicator. 1,836,819; Dec. 15.
Schenck, Le Roy C., East Moline, Ill., assignor to Troy Laundry Machinery Company, Inc., Dover, Del. Combined washer, extractor, and drying tumbler. 1,799,649; Apr. 7.
Schenck, Le Roy C., Moline, Ill., assignor to Troy Laundry Machinery Company, Inc., New York, N. Y. Anti-friction spline. 1,837,838; Dec. 22.
Schenck, Samuel B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,795,896; Mar. 10.
Schenectady Varnish Company. (See Wright, William H., assignor.)
Schenk, Carl R., Jersey City, and S. W. Crowley, Hudson Heights, assignors to De Forest Radio Company, Jersey City, N. J. Grid making machine. 1,814,770; July 14.
Schenk, Martin J., Hialeah, Fla., assignor of forty-nine one-hundredths to Rubie G. Levin, Chicago, Ill. Lubrication system for internal combustion engines. 1,815,868; July 21.
Schenk, Tamis C., assignor to Richmond Screw Anchor Co., Inc., Brooklyn, N. Y. Beam form clamp. 1,834,183; Dec. 1.
Schenke, William F., Marinette, Wis. Combination screen and storm window. 1,788,932; Jan. 13.
Schenken, Charles R., Washington, D. C. Bookholder. 1,787,839; Jan. 6.
Schepperle, Gottlob, Toronto, Ontario, Canada. Direction indicator. 1,838,789; Dec. 29.
Scheppmann, Wilhelm, Berlin-Gempelhof, Germany. Radio circuit. 1,834,975; Dec. 8.
Scheppmann, Wilhelm, assignor to C. Lorenz Aktiengesesellschaft, Berlin-Tempelhof, Germany. Electric circuit. 1,800,962; Apr. 14.
Scheppmann, Wilhelm, Berlin-Neutempelhof, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Device for transmitting pictures telegraphically. 1,838,709; Dec. 29.
Scher, Louis, assignor to The Tickometer Company, Cleveland, Ohio. Automatic feeding mechanism for counters and the like. 1,820,680; Aug. 25.
Scherck, Lewis A., New Orleans, La. Multiple drip coffee urn. 1,804,278; May 5.
Scherer, Edmund, Pittsburgh, Pa. Thermostatically-controlled switch. 1,796,726; Mar. 17.
Scherer, Francis R. (See Tracy, J. M., and Scherer.)
Scherer, Gilbert M., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,799,182; Apr. 7.
Scherer, Gilbert M., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,813,321; July 7.
Scherer, Gilbert M., assignor to Royal Typewriter Company, Inc., New York, N. Y. Platen for typewriters and analogous machines. 1,820,164; Aug. 25.
Scherer, Morris C., Texarkana, Tex. Mining machine. 1,802,221; Apr. 21.
Scherer, William F., Kansas City, Mo. Combination collar button and tie holder. 1,820,762; Aug. 25.
Scherer, William W., assignor to Western Electro-Mechanical Co., Inc., Oakland, Calif. Meter for alternating current. 1,800,474; Apr. 14.
Schering-Kahlbaum A.-G. (See Baensch, Walter, assignor.)
Schering-Kahlbaum, A. G. (See Dohrn, M., and Kirksen, assignors.)
Schering-Kahlbaum A. G. (See Neumann, Wilhelm, assignor.)
Schering-Kahlbaum A. G. (See Schoeller, Walter, assignor.)
Schering-Kahlbaum A. G. (See Schoeller, W., and Allardt, assignors.)
Schering-Kahlbaum A. G. (See Schoeller, W., Jordan, and Clerc, assignors.)
Schering-Kahlbaum A.-G. (See Schoeller, W., Jordan, Schwenk, and Borgwardt, assignors.)
Schering-Kahlbaum A. G. (See Schotte, Herbert, assignor.)
Schering-Kohlbaum A. G. (See Schotte, H., and Priewe, assignors.)
Schering Kahlbaum A. G. (See Wilcke, Fritz, assignor.)
Schering-Kahlbaum Aktiengesellschaft. (See Binz, A., and Rath, assignors.)
Schering-Kahlbaum Aktiengesellschaft. (See Frerichs, Georg., assignor.)
Schering-Kahlbaum Aktiengesellschaft. (See Jordan, Hans, assignor.)
Schering-Kahlbaum Aktiengesellschaft. (See Jordan, H., Schoeller, and Clerc, assignors.)
Schering-Kahlbaum Aktiengesellschaft. (See Schoeller, W., and Jordan, assignors.)
Schering-Kahlbaum Aktiengesellschaft. (See Stephan, K., and Uffers, assignors.)
Schering-Kahlbaum Aktiengesellschaft. (See Zöllner, Clemens, assignor.)
Schermack, Joseph J., assignor to Automatic Merchandising Corporation of America, New York, N. Y. Phonographic attachment for merchandise-dispensing apparatus. 1,787,644; Jan. 6.
Schermack, Joseph J., assignor to Automatic Merchandising Corporation of America, New York, N. Y. Merchandise-handling apparatus. 1,790,725; Feb. 3.
Schermer, Nathan H., Youngstown, Ohio. Pickling of stainless steel. 1,824,932; Sept. 29.
Schermerhorn, Edwards F., Brooklyn, assignor to The Rail Joint Company, New York, N. Y. Insulated rail joint. 1,797,621; Mar. 24.
Schermerhorn, Edwards F., Brooklyn, assignor to The Rail Joint Company, New York, N. Y. Insulated-joint construction for head-free rails. 1,800,475; Apr. 14.
Schermerhorn, Edwards F., Brooklyn, assignor to The Rail Joint Company, New York, N. Y. Insulating head piece for rail joints. 1,832,586; Nov. 17.
Schermerhorn, Harmon L., Scotia, N. Y., assignor to General Electric Company. Insulator. 1,796,052; Mar. 10.
Schermerhorn, Leon, Montclair, assignor to The Keuffel & Esser Company, Hoboken, N. J. Tape-reel casing. 1,799,125; Mar. 31.
Schermuly, Alfred J. (See Schermuly, Augustus W. L., A. J., and C.)
Schermuly, Augustus W. L., A. J., and C., Sutton, England. Collapsible tripod and light stand. 1,792,399; Feb. 10.
Schermuly, Charles. (See Schermuly, Augustus W. L., A. J., and C.)
Schermuly, Joseph, Wichita, Kans. Agricultural implement. 1,805,850; May 19.
Scherr, Emilius W., jr., New York, N. Y., assignor to The Aeolian Company. Automatic musical instrument. 1,838,328; Dec. 29.
Scherrer, Frank E., Denver, Colo. Reverse-rotation-preventing device. 1,799,708; Apr. 7.
Scherz, Emil. (See Scherz, L. and E.)
Scherz, Louis and E., Wilkes-Barre, Pa. Lunch box. 1,811,439; June 23.
Scherzinger, Lawrence F. (See Strubing, W., and Scherzinger.)
Schettler, Gustav A., Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Me. Leather-working machine. 1,798,228; Mar. 31.
Schettler, Wesley W., Springfield, Ohio. Valve. 1,836,285; Dec. 15.
Schetzer, Charles H., Chicago, Ill. Ash-tray support. 1,788,893; Jan. 13.
Scheu, Carl H., Lakewood, Ohio. Attaching means for removable dentures. 1,805,264; May 12.
Scheu Manufacturing Company. (See Scheu, W. C., and Hemmerly, assignors.)
Scheu Products Company. (See Scheu, William C., assignor.)
Scheu, William C., assignor to Scheu Products Company, Ltd., Upland, Calif. Lighting torch for orchard heaters and the like. 1,813,962; July 14.
Scheu, Wm. C., Uplands, and J. H. Hemmerly, Pomona, Calif., assignors to Scheu Manufacturing Company. Fruit-counting apparatus. 1,795,511; Mar. 10.
Scheuber, James M., Bairoil, Wyo. Air lift device. 1,825,094; Sept. 29.
Scheuing, Georg, and B. Walach, assignors to the firm of C. H. Boehringer Sohn Aktiengesellschaft, Nieder-Ingelheim-on-the-Rhine, Germany. Manufacturing 1, 2, 4-triazoles. 1,796,403; Mar. 17.
Scheuing, Georg, and B. Walach, assignors to C. H. Boehringer Sohn Aktiengesellschaft, Nieder-Ingelheim-on-the-Rhine, Germany. 3-ethyl-4-cyclohexyl-1, 2, 4-triazole. 1,825,549; Sept. 29.
Scheuring, Louise C. (See Kay, J. G., and Scheuring.)
Scheuss, William J., et al. (See White, Charles S., assignor.)
Scheyer, Heinz. (See Kalischer, G., and Scheyer.)
Scheyer, Heinz. (See Kalischer, G., Scheyer, and Keller.)
Scheyer, Heinz, Rio De Janeiro, Brazil, assignor to General Aniline Works, Inc., New York, N. Y. New vat dyestuff and making same. 1,793,138; Feb. 17.
Schick, Adolph M., assignor of one-fourth to E. G. Voltz, Wheeling, W. Va. Air agitator. 1,822,671; Sept. 8.
Schick, Adolph M., assignor of one-fourth to E. G. Voltz, Wheeling, W. Va. Electric fan. 1,822,672; Sept. 8.
Schick Dry Shaver, Inc. (See Hanley, John A., assignor.)
Schick Dry Shaver, Inc. (See Schick, Jacob, assignor.)
Schick, Harry C., Madison, N. J. Necklace clasp. Des. 83,647; Mar. 10.
Schick, Harry C., Madison, N. J. Necklace clasp. 1,813,963; July 14.
Schick, Jacob, East Orange, N. J., assignor to Magazine Repeating Razor Company. Safety razor. 1,791,042; Feb. 3.
Schick, Jacob, East Orange, N. J., assignor to Magazine Repeating Razor Company. Shaving equipment. 1,806,087; May 19.
Schick, Jacob, Sound Beach, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y. Safety razor. 1,797,733; Mar. 24.
Schick, Jacob, Sound Beach, Conn., assignor to Schick Dry Shaver, Inc. Engine. 1,813,259; July 7.
Schick, Jacob, Sound Beach, Conn., assignor to Schick Dry Shaver, Inc. Engine. 1,833,501; Nov. 24.

Schick, Jacob, Stamford, Conn., assignor to Magazine Repeating Razor Company. Making blades. 1,815,592; July 21.
Schick, Jacob, assignor to Schick Dry Shaver, Inc., Stamford, Conn. Shaving machine. 1,833,954; Dec. 1.
Schickler, Albert C., assignor to E. E. Allyne, Cleveland, Ohio. Refrigerating apparatus. 1,803,074; Apr. 28.
Schickler, Albert C., assignor to E. E. Allyne, Cleveland, Ohio. Refrigerating system. 1,826,436; Oct. 6.
Schidrowitz, Philip. (See Burke, Denis J., assignor.)
Schiebeler, Carl, Berlin, Germany, assignor to General Electric Company. System of motor control. 1,796,218; Mar. 10.
Schieferstein, Georg H., Berlin-Charlottenburg, Germany. Transmission of power in oscillating form. 1,797,840; Mar. 24.
Schieldrop, Bjarne H., London, England, assignor to Blaw Knox Company, Pittsburgh, Pa. Apparatus for projecting materials. 1,826,483; Oct. 6.
Schiele & Bruchsaler Industriewerke A. G. (See Besag, Ernst, assignor.)
Schiele, Carl G. (See Elfring, J. B., and Schiele.)
Schien, James N., Los Angeles, Calif. Portable liquid dispenser. Des. 83,879; Apr. 7.
Schien, James N., Los Angeles, Calif. Portable liquid dispenser. Des. 83,998; Apr. 21.
Schier, Johann. (See Pechan, I., and Schier.)
Schier, Johann, Vienna, Austria, assignor to C. P. Goerz Optische Anstalt Aktiengesellschaft Akciova Spolecnost K. P. Goerz Opticky Ustav, Bratislava, Czechoslovakia. Vertical and horizontal angle measurer. 1,829,614; Oct. 27.
Schier, Manford. (See Johnston, George E., assignor.)
Schierer, Jacob. (See Heilweil, Samuel, assignor.)
Schierer, Jacob. (See Messer, Abraham, assignor.)
Schierer, Jacob, New York, N. Y. Locking clasp. 1,807,557; May 26.
Schierholzer, Frank H. (See Dirschauer, J. A., and Schierholzer.)
Schiff, Arthur, New York, N. Y. Sectional display cabinet. 1,800,963; Apr. 14.
Schiff, Arthur, New York, N. Y. Display device. 1,806,120; May 19.
Schiff, Benjamin A., Chicago, Ill. Clock case. Des. 84,600; July 7.
Schiff, Samuel L., assignor to Electric Clock Corporation of America, Chicago, Ill. Alternating current clock. 1,838,501; Dec. 29.
Schiff, Sigmund, assignor to The J. H. Day Company, Cincinnati, Ohio. Baller. 1,818,277; Aug. 11.
Schifferle, Charles J., Oakland, assignor to Harry R. Struthers, Berkeley, Calif. Apparatus for burning gas. 1,794,868; Mar. 3.
Schifferle, Charles J., Oakland, assignor to H. R. Struthers, Berkeley, Calif. Gas burner. 1,794,869; Mar. 3.
Schifferle, Charles J., Oakland, assignor to H. R. Struthers, Berkeley, Calif. Apparatus for roasting material. 1,830,002; Nov. 3.
Schiffhouer, Joseph H., assignor to A. J. Logan Company, Pittsburgh, Pa. Adjustable coiled spring bed. 1,815,742; July 21.
Schilde, Richard, Hersfeld, Germany. Apparatus for drying textile bands, yarns, slivers, tops, and the like. 1,813,585; July 7.
Schildknecht, Leo, assignor to Landis Machine Company, St. Louis, Mo., Heel-tap trimmer. 1,788,545; Jan. 13.
Schilke, Edward, Middletown, Conn. Direction indicating device. 1,832,326; Nov. 17.
Schiller, Arthur, & Son. (See Scavullo, Anego C., assignor.)
Schiller, Morgan B., Pittsburgh, assignor to American Tubular Elevator Company, Pittsburgh, Pa. Sectional tubular tower. 1,806,312; May 19.
Schiller, Sigge. (See Jacobson, W., and Schiller.)
Schilling, Andreas, Dessau in Anhalt, Germany, assignor, by mesne assignments, to Agfa Ansco Corporation, Ginghamton, N. Y. Production of cinematographic transformation and trick effects. 1,834,257; Dec. 1.
Schilling, Bernhard. (See Goldsborough, W. E., and Schilling.)
Schilling, Charles E., assignor of one-half to E. A. Schilling, Willcox, Ariz. Float controlled valve. 1,825,367; Sept. 29.
Schilling, E. A. (See Schilling, Charles E., assignor.)
Schilling, Frederick B. (See Hartley, H. J., and Schilling.)
Schilling, Frederick J. (See Helmstaedter, J. G., and Schilling.)
Schilling, Frederick, Philadelphia, Pa., and C. H. Kircoaf, West Collingswood, N. J. Separator. 1,829,544; Oct. 27.
Schilling, Gottfried, and A. Howe, Prescott, Wis. Animal trap. 1,799,394; Apr. 7.
Schilling, Hugo O. G., assignor of one-half to A. G. Publ, Hamburg, Germany. Apparatus for apportioning or dividing material in prescribed proportions. 1,830,720; Nov. 3.
Schilling, Matthew K., New Orleans, La. Box. 1,793,639; Feb. 24.
Schilling, Rudolph, Woodside, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Combustion engine. 1,793,640; Feb. 24.
Schilling, Warren C., Green Bay, Wis. Carton. Des. 85,843; Dec. 22.
Schillo, George, and G. Plamann, Caylord, Minn. Automobile windshield heater. 1,819,443; Aug. 18.
Schiltz, John M., Los Angeles, Calif. Animal trap. 1,801,821; Apr. 21.
Schimanek, Emil, assignor to Hermes Magyár Általános Váltoüzlet Részvenytársasag, Budapest, Hungary. Carburetor. 1,790,842; Feb. 3.
Schimmel, John, 3d, Bryn Mawr, Pa. Landing and launching airplanes and the like. 1,796,693; Mar. 17.
Schimpf, Walter H., Toledo, Ohio. Electric pick-up. 1,817,021; Aug. 4.
Schimpf, Walter H., Toledo, Ohio, assignor of one-fourth to John M. Cole, New York, N. Y. Method of and apparatus for translating energy. 1,819,573; Aug. 18.
Schindhelm, Hans, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. 2-Halogeno-5-Nitro-benzene-1,4-dicarboxylic acids and making same. 1,832,247; Nov. 17.
Schindler, Christian E., Barnesville, Minn. Sack holder. 1,799,537; Apr. 7.
Schindler, Emanuel, Salem, Oreg. Poultry house. 1,808,685; June 2.
Schindler, Emanuel, Chicago, Ill. Air hammer. 1,813,546; July 7.
Schindler, Joseph W. (See Laster, Harry W., assignor.)
Schindler, Walter M. (See Berger, E. J., Matthews, and Schindler.)
Schinkez, Albert. (See Smith, E. R., and Schinkez.)
Schippers, Frank. (See Weis, A., and Schippers.)
Schirm, Otto, Berlin-Halensee, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electric-light signal. 1,797,880; Mar. 24.
Schirmacher, Karl, and K. Renn, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid amides of 7-amino-1,4-naphthoquinone and preparing them. 1,789,884; Jan. 20.
Schirmacher, Karl, K. Zahn, E. Hoffa, and H. Heyna, Hochst-on-the-Main, Germany, assignors, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Substituted thioindigo vat dyestuffs and making the same. 1,790,843; Feb. 3.
Schirmacher, Karl, and E. Fischer, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing hydroxythionaphthenes. 1,797,104; Mar. 17.
Schirmacher, Karl, Frankfort-on-the-Main-Hochst, B. Stein, Elberfeld, and K. Stenger, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of bis-aminophenyl anthracene and derivatives. 1,801,695; Apr. 21.
Schirmacher, Karl, Frankfort-on-the-Main-Hochst, and H. Schliehenmaier, Bad-Soden-am-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Compounds of the anthracene series and preparing them. 1,821,035; Sept. 1.
Schirmacher, K., Hochst-on-the-Main, H. Schlichenmaier and W. Kross, Bad-Soden, W., Schaich, H. Tampke, and H. Neumann, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 2-acylaminoanthrahydroquinone compounds and process for preparing the same. 1,829,840; Nov. 3.
Schirmacher, Karl, and L. Van Zütphen, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerizing hydrocarbons of the butadiene series. 1,838,234; Dec. 29.
Schirmann, William J., Buffalo, N. Y. Directional signal for automobiles. 1,838,575; Dec. 29.
Schirmer, Carl E., assignor to Robbins & Meyers, Inc., Springfield, Ohio. Trolley for hoists. 1,810,578; June 16.
Schirmer, Cyrus T., Newton, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Hospital switch. 1,799,126; Mar. 31.
Schirp, Alois, Essen, Germany. Rotatable plate type filter for gases. 1,831,369; Nov. 10.
Schirrmacher, Theodor J. C., Oakland, Calif. Liquid-measuring device. 1,792,933; Feb. 17.
Schirrmacher, Theodor J. C., Oakland, Calif. Liquid dispenser. 1,792,934; Feb. 17.
Schisgall, Theodore, Paris, France, assignor of one-half to M. Salinger and one-half to E. D. Stein, both of New York, N. Y. Dial for time pieces. Des. 83,573; Mar. 3.
Schishka, Sydney, London, England. Pocket case for tobacco pipe and accessories. Des. 84,902; Aug. 18.
Schishka, Sidney, London, England. Tobacco pipe. 1,817,271; Aug. 4.
Schjolin, Eric O., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Radiator support. 1,787,764; Jan. 6.
Schjolin, Eric O., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Gear-shifter mechanism. 1,788,894; Jan. 13.
Schjolin, Eric O., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Sleeve valve engine. 1,823,431; Sept. 15.
Schjolin, Eric O., Birmingham, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Cooling system. 1,826,405; Oct. 6.
Schjolin, Eric O., Birmingham, assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Clutch operating mechanism. 1,833,438; Nov. 24.
Schlachter, Henry, Beatrice, Nebr., assignor to Dempster Mill Manufacturing Company. Primer for impulse pumps. 1,811,651; June 23.

Schlack, Paul, Berlin-Karlshorst, Germany, assignor to Aceta G. m. b. H., Berlin-Lichtenberg, Germany. Manufacture of artificial threads. 1,834,806; Dec. 1.
Schlacks, Henry J., Chicago, Ill. Window construction. 1,799,482; Apr. 7.
Schlacks, William J. (See Faverty, C. B., and Schlacks.)
Schlacks, William J., assignor to Ryan Mfg. Corporation, Chicago, Ill. Road grader. 1,805,051; May 12.
Schlacks, William J., assignor to Ryan Mnfg. Corporation, Chicago, Ill. Gear box control. 1,828,547; Oct. 20.
Schladebach, Hermann, Dessau in Anhalt, and H. Hähle, Dessau-Ziebigk in Anhalt, Germany, assignors to General Aniline Works, Inc. Coloring higher fatty acids. 1,791,431; Feb. 3.
Schlaepfer, Hans, A. (See Bornand, E., and Schlaepfer.)
Schlaepfer, Hans A., Geneva, Switzerland. Bookkeeping appliance. 1,803,564; May 5.
Schlafhorst W., & Co. (See Reiners, W., and Kahlisch, assignors.)
Schlafly, Julius H., Canton, Ohio. Article feeding and stripping machine. 1,825,287; Sept. 29.
Schlag, Chris J. (See Lierman, Otto J., assignor.)
Schlage Company, The. (See Schlage, Walter R., assignor.)
Schlage Lock Company. (See Schlage, Walter R., assignor.)
Schlage, Walter R., assignor to The Schlage Company, San Francisco, Calif. Doorlock. 1,796,727; Mar. 17.
Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Door knob. 1,799,326; Apr. 7.
Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Post anchored door latch. 1,826,093; Oct. 6.
Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Door latch. 1,829,814; Nov. 3.
Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Doorlock housing. 1,829,815; Nov. 3.
Schlaich, Herman, Long Island City, N. Y. Thermometer. 1,794,324; Feb. 24.
Schlaich, Herman, Long Island City, N. Y. Mounting for temperature-responsive element. 1,797,158; Mar. 17.
Schlaich, Herman, Long Island City, N. Y. Process and apparatus for filling thermometers. 1,801,210; Apr. 14.
Schlaich, Herman, Long Island City, N. Y. Indicating means. 1,802,278; Apr. 21.
Schlaich, Herman, Long Island City, N. Y. Indicating instrument. 1,803,211; Apr. 28.
Schlaich, Herman, Long Island City, N. Y. Indicating device responsive to temperature and pressure for internal combustion engines. 1,824,372; Sept. 22.
Schlaich, Herman, Long Island City, N. Y. Indicating instrument. 1,838,962; Dec. 29.
Schlais, Antoney F., Ironwood, Mich. Glare shade for automobiles. 1,805,419; May 12.
Schlam, Gustav G., New York, N. Y. Utilizing the forced draft on the propellers of aeroplanes. 1,787,495; Jan. 6.
Schlandt, Arthur F. (See Hyman, J., and Schlandt.)
Schlauch, Peter M., Detroit, Mich. Tool-centering pilot. 1,796,404; Mar. 17.
Schlaupitz, Oswald, assignor to The Timken Roller Bearing Company, Canton, Ohio. Gauging machine. 1,826,527; Oct. 6.
Schlayer, Felix, Madrid, Spain. Axial thrashing and straw reducing machine. 1,824,632; Sept. 22.
Schlecht, Leo. (See Gaus, W., Mittasch, and Schlecht.)
Schlecht, Leo. (See Mittasch, A., and Schlecht.)
Schlecht, Leo, W. Schubardt, Ludwigshafen-on-the-Rhine, and F. Duftschmid, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of metals and metal compounds soluble in ammoniacal liquors. 1,825,211; Sept. 29.
Schlecht, Leo, and H. Roetger, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Denatured alcohol. 1,836,731; Dec. 15.
Schlecht, Leo, Ludwigshafen-on-Rhine, and W. Schubardt, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of finely divided metals. 1,836,732; Dec. 15.
Schleede, Hermann F. W., Chicago, Ill. Propeller. 1,796,540; Mar. 17.
Schlegel, Charles P., assignor to The Schlegel Manufacturing Co., Rochester, N. Y. Shade tassel. Des. 85,062; Sept. 8.
Schlegel, Charles P., assignor to Schlegel Mfg. Company, Rochester, N. Y. Window channel. 1,819,205; Aug. 18.
Schlegel, Charles P., assignor to Schlegel Manufacturing Company, Rochester, N. Y. Tassel. 1,820,328; Aug. 25.
Schlegel Manufacturing Co., The. (See Schlegel, Charles P., assignor.)
Schleh, Albert C., St. Paul, Minn. Economizer. 1,792,327; Feb. 10.
Schleich, Nick, and C. J. Aldridge, assignors of one-third to J. J. Goergen, Great Falls, Mont. Car coupling. 1,795,147; Mar. 3.
Schleicher, Frank J., University City, Mo. Box. Des. 84,658; July 14.
Schleicher, Frank J., St. Louis, Mo. Box. Des. 85,205; Sept. 22.
Schleicher, Franz, Wiesdorf-on-the-Rhine, G. Schwaebel, Leverkusen-on-the-Rhine, and K. Briesewitz, Cologne-Deutz, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Dehydrating vapor mixtures containing acetic anhydride and water. 1,815,802; July 21.
Schleicher, John C., New York, N. Y. Airship. 1,807,710; June 2.
Schleicher, Louis H., St. Louis, Mo. Box. 1,837,589; Dec. 22.
Schleicher, Manfred. (See Eichler, F., Grüss, and Schleicher.)
Schleicher, Manfred. (See Gaarz, W., Sorge, and Schleicher.)
Schleicher, Manfred, Berlin-Charlottenburg, and L. Brandenburger, Berlin-Halensee, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Means for indicating the position of a connecter switch. 1,805,999; May 19.
Schleicher, Wilford T. (See Davis, S. H., Curtis, and Schleicher.)
Schleifer, Carlo, Novara, Italy. Reversed needle plate for feeding the sliver in combing machines. 1,799,066; Mar. 31.
Schleifer, Wilhelm, Vienna, Austria. Tab for registration cards or the like. 1,816,344; July 28.
Schlemmer, Oliver H., Cincinnati, Ohio. Hot water heating system. 1,821,773; Sept. 1.
Schlenker, Max, La Salle, assignor to Western Clock Company, Peru, Ill. Clock case. Des. 85,665 Dec. 1.
Schlenker, Max, La Salle, assignor to Western Clock Company, Peru, Ill. Electric clock driving mechanism. 1,801,985; Apr. 21.
Schlenker, Vesper A., Rochester, N. Y. Acoustic device. 1,827,114; Oct. 13.
Schlesinger, Barthold E. (See Lang, G. J., Drennan, and Schlesinger.)
Schlesinger, Edgar E., assignor to Union Metal Products Company, Chicago, Ill. End wall for railway cars. 1,794,489; Mar. 3.
Schlesinger, Harry, Des Moines, Iowa. Plait pressing device. 1,798,438; Mar. 31.
Schlesinger, Harry, Des Moines, Iowa. Plait-holding device. 1,799,443; Apr. 7.
Schlesinger, William H., Brooklyn, N. Y. Lamp. Des. 84,854; Aug. 11.
Schlesische Spiegelglas-Manufactur Carl Tielsch, G. m. b. H. (See Engels, Adolf, assignor.)
Schless, Maurice J., New York, N. Y. Jewel setting. 1,811,520; June 23.
Schleth, Friedrich, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Cutting mechanism for the paper strips of recording machines. 1,799,067; Mar. 31.
Schletter & Zander, Inc. (See Richter, Emil, assignor.)
Schley, Jack A., et al. (See Spiegel, Edward R., assignor.)
Schleyer, Victor, assignor to Dean Hill Pump Company, Anderson, Ind. Turbo-pump. 1,810,297; June 16.
Schlichenmaier, Hans. (See Schirmacher, K., and Schlichenmaier.)
Schlichenmaier, Hans. (See Schirmacher, K., Schlichenmaier, Kross, Schaich, Tampke, and Neumann.)
Schlicher, Arthur G., Allentown, Pa. Truck body. 1,795,897; Mar. 10.
Schlichting, Frederick R. (See Stohr, Frederick W., assignor.)
Schlick, Gustav, Langebrueck in Saxony, Germany. Atomizing nozzle. 1,837,339; Dec. 22.
Schlieman., Martin. (See Doerinckel, F., and Schliemann.)
Schliephake, Erwin, Jena, Germany. Appliance for diathermic treatment by means of high frequency. 1,807,105; May 26.
Schling, Max, Scarsdale, N. Y. Flowerpot. Des. 84,793; Aug. 4.
Schling, Max, New York, N. Y. Weed exterminator. 1,836,686; Dec. 15.
Schlitt, Joseph L. (See Van Nuys, C. C., and Schlitt.)
Schlitzer, Leo J., New York, N. Y., and J. L. Litomy, Glen Ridge, N. J. Artificial-eye mount. 1,798,762; Mar. 31.
Schloemann Aktiengesellschaft. (See Albers, Heinrich, assignor.)
Schloemann Aktiengesellschaft. (See Dreyer, Hans, assignor.)
Schloss, Edwin G., and M. J. Schloss, New York, N. Y. Sound clarifying device. 1,830,812; Nov. 10.
Schloss, Michael, Baltimore, Md. Apparel with tab for fastening supporters thereto. 1,801,390; Apr. 21.
Schloss, Myron J. (See Schloss, Edwin G. and M. J.)
Schlosser, John J., Frankfort, Ind. Cream and ice-cream mix filter. 1,800,757; Apr. 14.
Schlötter, Max, Berlin, Germany. Electrolytic deposit of heavy metals. 1,824,100; Sept. 22.
Schlotter, Max, Berlin, Germany, assignor to Asociacion De Productores De Yodo De Chile, Valparaiso, Chile. Electrolytic separation of copper. 1,817,527; Aug. 4.
Schlotzbauer, Walter S., Douglas, Ariz. Wind motor. 1,810,113; June 16.
Schloz, Arthur H., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Metal-stamping press 1,801,024; Apr. 14.

Schlumberger, Conrad, assignor to Societe de Prospection Electrique Procedes Schlumberger, Paris, France. Electrical process and apparatus for the determination of the nature of geological formations traversed by drill holes. 1,819,923; Aug. 18.
Schlumbohm, Peter, Berlin, Germany. Vacuum cooler. 1,799,127; Mar. 31.
Schlumpf, Walter, Flushing, N. Y. Lock. 1,804,955; May 12.
Schlundt, Christian H., Indianapolis, Ind. Motor truck. 1,814,635: July 14.
Schlupmann, Heinrich, Berlin-Niederschoneweide, Germany. Two stroke cycle internal combustion engine. 1,834,651; Dec. 1.
Schluter, Henry J., assignor to J. C. Deagan, Inc., Chicago, Ill. Vibrant bar for musical instruments. 1,838,502; Dec. 29.
Schmal, Alois H., Rahway, N. J., assignor to International Motor Company, New York, N. Y. Steering gear adjusting device. 1,815,450: July 21.
Schmalbach, Jane, New York, N. Y. Dancer's illuminating paraphernalia. 1,820,681; Aug. 25.
Schmalerbach, Adolf, Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Distillation. 1,802,539; Apr. 28.
Schmaling, Clinton A. (See Masi, P., and Schmaling.)
Schmaljohann, Paul, Kiel, Germany, assignor to Centra Handels- & Industrie A.-G., Chur, Switzerland. Two stroke cycle internal combustion engine. 1,822,750; Sept. 8.
Schmalz, Bertha L., Brooklyn, N. Y. Telephone directory and pad. 1,824,628; Sept. 22.
Schmalzgruber, Matthew, Maplewood, Mo. Folding furniture. 1,837,492; Dec. 22.
Schmalzl, Joseph, Bethlehem, Pa. Nonskid chain. 1,836,286; Dec. 15.
Schmanska, Frank F., Burlington, Vt. Feeler. 1,826,637; Oct. 6.
Schmeck, Herbert P., Philadelphia, Pa. Amusement car. 1,814,969; July 14.
Schmeck, Herbert P., Philadelphia, Pa. Amusement car. 1,839,054; Dec. 29.
Schmeiser, Theodore G., Fresno, Calif. Combined wheel fin and weight. 1,807,757; June 2.
Schmeiser, Theodore G., Fresno, Calif. Grouser for tractor wheels. 1,829,945; Nov. 3.
Schmeisser, Hugo., Suhl, Germany. Repeating air gun. 1,816,091; July 28.
Schmeisser, Hugo, Suhl, Germany. Magazine for machine pistols. 1,833,862; Nov. 24.
Schmeller Holding Company. (See Schmeller, John, sr., assignor.)
Schmeller, John, sr., Lakewood, assignor to Schmeller Holding Company, Cleveland, Ohio. Reworking finely divided metal particles. 1,810,535; June 16.
Schmelz, Charles F., assignor to Stay-Put Shade Roller Corporation, Bridgeport, Conn. Shade roller. 1,806,650; May 26.
Schmelzer, Albert. (See Ballauf, F., and Schmelzer.)
Schmelzer, Albert. (See Ballauf, F., Muth, and Schmelzer.)
Schmelzer, Albert, F. Müth, and F. Ballauf, Elberfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Hydroxy carboxylic acids of carbazole. 1,819,127; Aug. 18.
Schmelzkopf, Edward C., Madison, Wis. Signal switch for automobiles. 1,792,713; Feb. 17.
Schmermund, John W., St. Louis, Mo. Golf game board. Des. 83,178; Jan. 27.
Schmermund, Lydie, St. Louis, Mo. Pencil holder. Des. 83,700; Mar. 17.
Schmid, Albert P. (See Kranz, P., and Schmid.)
Schmid, Alfred, Vienna, Austria. Building structure. 1,796,481; Mar. 17.
Schmid, Alfred, Basel, Switzerland. Electric battery. 1,828,204; Oct. 20.
Schmid, Anton, Huntington, W. Va., assignor of two-thirds to H. Lang, J. Yerkeson, and G. Yerkeson, Huntington, W. Va. Depth cut indicator. 1,827,265; Oct. 13.
Schmid, Carl G., assignor to Insley Manufacturing Company, Indianapolis, Ind. Mast hoist. 1,834,652; Dec. 1.
Schmid, Carl J., Inc. (See Kurkjian, Yervant H., assignor.)
Schmid, Emil, Washington, D. C. Machine for treating wood to produce a weathered or antique appearance 1,802,069; Apr. 21.
Schmid, Ernest, Gladstone, Oreg. Safety key for locks. 1,819,059; Aug. 18.
Schmid, Herman. (See Lencke, J. K., and Schmid.)
Schmid, Julius, New York, N. Y. Nursing nipple. 1,808,148; June 2.
Schmid, Karl, Columbia, Pa. Ratchet mechanism for operating bench vises. 1,800,907; Apr. 14.
Schmid, Max. (See de Montmollin, G., and Schmid.)
Schmid, Max, Riehen, near Basel, and F. Straub, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs and making same. 1,791,432; Feb. 3.
Schmid, Paul. (See Rüsberg, F., and Schmid.)
Schmid, Walter, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control mechanism. 1,795,447; Mar. 10.
Schmid, Walter, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Variable speed governor. 1,824,373; Sept. 22.
Schmid, Werner, White Plains, assignor to Duplan Silk Corporation, New York, N. Y. Textile fabric. Des. 85,715; Dec. 8.
Schmidgall, Frederick, Cincinnati, Ohio. Door latch. 1,814,636; July 14.
Schmidling, Gilbert T., assignor to A. J. Carter, Chicago, Ill. Photo-electric tube. 1,829,019; Oct. 27.
Schmidt, Adam, Strebersdorf, assignor to the Firm Aktiengesellschaft fur Tiefbohrtechnik und Maschinenbau vormals Trauzl & Co., Vienna, Austria. Cutting and welding machine. 1,825,606; Sept. 29.
Schmidt, Adolph T., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Vapor stove. 1,796,767; Mar. 17.
Schmidt, Albert G. A. (See Cullen, E. V., and Schmidt.)
Schmidt, Albrecht, Hochst-on-the-Main, Germany, assignor, by mesne assignments, to Winthrop Chemical Company, New York, N. Y. Preparation for repelling gnats and similar insects. 1,821,036; Sept. 1.
Schmidt, Albrecht, Hochst-on-the-Main, Germany, assignor, by mesne assignments, to Winthrop Chemical Company, New York, N. Y. Dressing for seed grain. 1,831,721; Nov. 10.
Schmidt, Alfred, Dusseldorf, and E. Haselhorst, Halle-on-the-Saale, Germany. Rotary valve. 1,803,773; May 5.
Schmidt, Alfred. Weehawken, N. J. Battery cell testing machine. 1,832,948; Nov. 24.
Schmidt, Benjamin F., Los Angeles, Calif., assignor to Schmidt Products, Incorporated, Detroit, Mich. Shotgun shell. 1,788,637; Jan. 13.
Schmidt, Benjamin F., Los Angeles, Calif., assignor to Schmidt Products, Incorporated, Detroit, Mich. Gearshift mechanism. 1,797,798; Mar. 24.
Schmidt, Benjamin F., Los Angeles, Calif. Twin cable gear shifting mechanism. 1,820,501; Aug. 25.
Schmidt, Benjamin F., Los Angeles, Calif. Ball bearing screw and nut. 1,831,080; Nov. 10.
Schmidt, C. F. (See Lance, Ola, assignor.)
Schmidt, Carl, Baerl, Germany. Making flanged cup-shaped metal parts. 1,795,379; Mar. 10.
Schmidt, Carl G. A., jr., assignor to American Road Machinery Company, Kennett Square, Pa. Vibrating screen. 1,822,507; Sept. 8.
Schmidt, Carl G. A., jr., assignor to American Road Machinery Company, Inc., Kennett Square, Pa. Transporting concrete. 1,828,343; Oct. 20.
Schmidt, Charles G. G., assignor to Pinaud Incorporated, New York, N. Y. Machine for gluing cartons. 1,812,666; June 30.
Schmidt, Edward T., Blackwell, Okla. Vending pump. 1,823,379; Sept. 15.
Schmidt, Edwin X., Whitefish Bay, and W. O. Baer, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electrical generating system. 1,796,810; Mar. 17.
Schmidt, Ernest H., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Draft key for car couplers. 1,807,345; May 26.
Schmidt, Elisabeth, executrix. (See Schmidt, Louis A.)
Schmidt, Fredrick C. J., Kansas City, Mo. Child's bedcover. 1,802,540; Apr. 28.
Schmidt, Friedrich. Berlin-Karlshorst, Germany, assignors to General Electric Company. Centrifugal compressor. 1,792,248; Feb. 10.
Schmidt, Friedrich, Berlin-Karlshorst, Germany, assignor to General Electric Company. Preventing pulsations in centrifugal compressors. 1,796,053; Mar. 10.
Schmidt, Fritz, Troisdorf, near Cologne, Germany. Production of artificial horn. 1,811,972; June 30.
Schmidt, Georg, Ludenscheid, Germany. Toy figure. 1,829,112; Oct. 27.
Schmidt, George, jr. (See Grothaus, Gerhard G., assignor.)
Schmidt, George B., and F. H. Pecht, Sioux City, Iowa. Feather drier. 1,792,769; Feb. 17.
Schmidt, Hans, Vohwinkel, near Elberfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cyanamide-formaldehyde condensation product and process of making same. 1,791,433; Feb. 3.
Schmidt, Hans, Vohwinkel, near Elberfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cyanamide-formaldehyde condensation product and making same. 1,791,434; Feb. 3.
Schmidt, Harold J., Homestead, Iowa. Attachment for honeycomb frames. 1,787,840; Jan. 6.
Schmidt, Harm E. (See Niemann, C., and Schmidt.)
Schmidt, Harry, Buckeburg, G. Erlwein, Berlin-Charlottenburg, and M. Hosenfeld, Berlin-Siemenstadt, Germany, assignors to Metal & Thermit Corporation, New York, N. Y. Production of electrolytic deposits. 1,795,512; Mar. 10.
Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse & Manufacturing Company. Condenser for steamships. 1,793,641; Feb. 24.
Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser-cleaning system. 1,795,348; Mar. 10.
Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Scoop-condenser apparatus. 1,797,841; Mar. 24.
Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oil impeller for governors. 1,801,370; Apr. 21.

Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Marine pumping system. 1,806,651; May 26.
Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Propeller. 1,828,258; Oct. 20.
Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ventilating cowl. 1,830,857; Nov. 10.
Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pulverized fuel burner. 1,831,466; Nov. 10.
Schmidt, Henry H., Merced, Calif. Irrigation gate valve. 1,789,500; Jan. 20.
Schmidt, Hermann, assignor to Rheinische Metallwaaren- und Maschinenfabrik Sömmerda Aktiengesellschaft, Sommerda, Germany. Step-toothed drum calculating machine. 1,797,699; Mar. 24.
Schmidt, John. (See Smith, A., and Schmidt.)
Schmidt, John, assignor to Sprague-Sells Corporation, Hoopeston, Ill. Dough mixing and measuring machine. 1,838,576; Dec. 29.
Schmidt, John F., assignor to The Corcoran-Brown Lamp Company, Cincinnati, Ohio. Lamp construction. 1,837,886; Dec. 22.
Schmidt, John F., L. F. Erhart, and O. E. Wright, assignors to The Thos. J. Corcoran Lamp Co., Cincinnati, Ohio. Connecter. 1,806,267; May 19.
Schmidt, John G., assignor to E. F. Houghton and Company, Philadelphia, Pa. Product and process for preventing the solvent action of sulphuric acid on iron and steel. 1,807,711; June 2.
Schmidt, John H., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Resin solution and preparing same. 1,818,360; Aug. 11.
Schmidt, Joseph F., assignor to Wheeler Company, Railroad, Pa. Press. 1,823,213; Sept. 15.
Schmidt, Karl, Neuruppin, Germany. Packing for portable liquid fire extinguishers. 1,795,513; Mar. 10.
Schmidt, Karl, Leverkusen, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Oxidation of leuco compounds of the triaryl methane series. 1,805,925; May 19.
Schmidt, Karl, Berlin-Sudende, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Insulating high frequency transformers. 1,807,176; May 26.
Schmidt, Karl, Berlin-Lichtenrade, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Arrangement for lighting trains. 1,815,452; July 21.
Schmidt, Karl, Berlin-Lichtenrade, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Control system for direct current machines. 1,836,088; Dec. 15.
Schmidt, Kurt, Wernigerode, Germany. Inflating tires. 1,796,482; Mar. 17.
Schmidt, Kurt, Cologne-Holweide, assignor to Motorenfabrik Deutz, Aktiengesellschaft, Cologne-Deutz, Germany. Internal combustion engine for gaseous and liquid fuels. 1,833,265; Nov. 24.
Schmidt, Leopold, assignor to Naamlooze Vennootschap Hollandsche Industrieen Handelmaatschappij, The Hague, Netherlands. Appliance for the automatic determination of the range factors for combating aircraft with guns having two or three axes and mounted on moving platforms. 1,810,298; June 16.
Schmidt, Louis A., Brooklyn assignor to R. Hoe & Co., Inc., New York, N. Y. Web roll support. 1,828,297; Oct. 20.
Schmidt, Louis A.; E. Schmidt, executrix, Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Cutting and collecting mechanism for printing machines. 1,836,043; Dec. 15.
Schmidt, Ludwig, Hamburg-Bergedorf, Germany, assignor to Societe Alsacienne de Produits Chimiques, Paris, France. Obtaining bornyl and isohornyl esters. 1,836,287; Dec. 15.
Schmidt, Ludwig, Hamburg-Bergedorf, Germany, assignor to Societe Alsacienne de Produits Chimiques, Paris, France. Obtaining bornyl and isobornyl esters. 1,836,288; Dec. 15.
Schmidt, Maximilian P. (See Spröngerts, E., Schmidt, and Franke.)
Schmidt, Maximilian P., and W. Neugebauer, Biebrich-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. New violet vat dyestuffs. 1,808,260; June 2.
Schmidt, Maximilian P., and W. Spietschka, assignors to Kalle & Co., Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Preparing light sensitive layers by means of diazo compounds and the products obtainable thereby. 1,811,029; June 23.
Schmidt, Maximilian P., W. Neugebauer, and R. Franke, Wiesbaden-Biebrich, Germany, assignors to Kalle & Co., Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Light-sensitive layer. 1,816,989; Aug. 4.
Schmidt, Maximilian P., and K. Hessert, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Development of diazo-types. 1,837,679; Dec. 22.
Schmidt, Oscar, Inc. (See Haberman, Charles, assignor.)
Schmidt, Otto, and O. Grosskinsky, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of carbon black and apparatus therefor. 1,813,514; July 7.
Schmidt, Otto, and Johannes Ufer, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Transforming oxides of carbon into organic compounds particularly methanol. 1,818,165; Aug. 11.
Schmidt, Otto, K. Seydel, and N. Roh, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of artificial resins. 1,823,127; Sept. 15.
Schmidt, Otto, and O. Grosslinsky, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Separation of gaseous or low boiling unsaturated hydrocarbons. 1,832,428; Nov. 17.
Schmidt, Paul, Munich, Germany. Device for regulating the output of centrifugal pumps. 1,837,887; Dec. 22.
Schmidt, Paul, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Stocking. Des. 85,888; Dec. 29.
Schmidt Products, Incorporated. (See Schmidt, Benjamin F., assignor.)
Schmidt, Richard. (See Eggert, J., and Schmidt.)
Schmidt, Richard J., assignor to The Akron Equipment Company, Akron, Ohio. Vulcanizing press. 1,825,616; Sept. 29.
Schmidt, Roy R., Elmhurst, N. Y. Revolving truck loading structure. 1,830,373; Nov. 3.
Schmidt, Rudolf, Vienna, Austria, assignor to "Patiag" T. Auger, Denver, Colo. Electric soldering means. 1,829,457; Oct. 27.
Schmidt, Thomas B., Harrisburg, Pa. Dispensing cabinet. Des. 83,470; Feb. 24.
Schmidt, Thomas B., Harrisburg, Pa. Dispensing cabinet. 1,803,774; May 5.
Schmidt, Walter. (See Beck, A., Schmidt, and Schreiber.)
Schmidt, Walter, assignor, by mesne assignments, to E. Patentverwertungs- und Industrie Aktiengesellschaft, Vaduz, Liechtenstein. Rotary compressor, pump, or the like. 1,834,976; Dec. 8.
Schmidt, Walther, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Magnesium alloy for pistons. 1,793,023; Feb. 17.
Schmidt, Werner, Frankfort-on-the-Main/Mainkur, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Ortho-hydroxy-benzylamine arsonic acids and making same. 1,835,433; Dec. 8.
Schmidt, Werner, Frankfort-on-the-Main/Mainkur, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Ortho-hydroxybenzyl-aroyl-amine arsonic acid and making same. 1,835,434; Dec. 8.
Schmidt, William F., deceased; Selma Grill, administratrix, Detroit, assignor to All-Metal Products Co., Wyandotte, Mich. Liquid gun or pistol. 1,817,769; Aug. 4.
Schmidtke, Albert H., assignor to St. Joseph Iron Works, St. Joseph, Mich. Box making machine. 1,805,888; May 19.
Schmidt'sche Heissdampf G. m. b. H. (See Hartmann, Otto H., assignor.)
Schmidt'Sche Heissdampf-G. m. b. H. (See Wempe, F., and Peperkorn, assignors.)
Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Engler, Otto, assignor.)
Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Hartmann, Otto H., assignor.)
Schmidtsche Heissdampf-Gesellschaft mit beschrankter Haftung. (See Hartmann, O. H., and Hannig, assignors.)
Schmidt'sche Heissdampf-Gesellschaft mit beschrankter Haftung. (See Uhde, Robert, assignor.)
Schmiedel, Johannes, assignor to firm "Universelle" Cigarettenmaschinen-Fabrik, J. C. Muller & Co., Dresden, Germany. Producing two box parts in a single operation. 1,834,743; Dec. 1.
Schmiedel, William, assignor to Deltox Rug Company, Oshkosh, Wis. Rug and making the same. 1,798,277; Mar. 31.
Schmieder, Alfred, Maspeth, N. Y. Screw clamp. 1,788,546; Jan. 13.
Schmieder, Alfred, Maspeth, N. Y. Screw clamp. 1,793,560; Feb. 24.
Schmieder, Alfred, Maspeth, N. Y. Screw clamp. 1,793,561; Feb. 24.
Schmieder, Karl, Dresden, Germany. Flexible curve. 1,797,842; Mar. 24.
Schmieding, Warren H. F., and T. L. Chisholm, assignors to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,796,627; Mar. 17.
Schmieding, Warren H. F., and J. G. King, assignors to Frigidaire Corporation, Dayton, Ohio. Seal for refrigerating apparatus. 1,803,510; May 5.
Schmiel, Edgar M. (See Richardson, L. T., and Schmiel.)
Schmierer, Eugene. (See Thurm, R., and Schmierer.)
Schmierer, Eugene, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Masticating and dispersing blade. 1,801,025; Apr. 14.
Schmierer, Johannes M., Lichterfelde, near Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y. Gas discharge tube. 1,807,177; May 26.
Schmierer, Johannes M., Lichterfelde, near Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y. Glow discharge amplifier. 1,838,871; Dec. 29.
Schmieske, Carl. (See Bauer, G., and Schmieske.)
Schmithals, Frederick W., Milwaukee, Wis. Automatic brake. 1,808,008; June 2.

Schmitt, Basilius, Devils Lake, N. Dak. Lacing cutter. 1,788,333; Jan. 6.
Schmitt, Charles J., Algoma, Wis. Iron base for tables. 1,802,279; Apr. 21.
Schmitt, Charles J., Algoma, Wis. Table. 1,826,578; Oct. 6.
Schmitt, Edwin B., anud A. Thuillier, Los Angeles, Calif. Actuating and locking means for cameras. 1,828,205; Oct. 20.
Schmitt, Frank R., Queens Village, N. Y., assignor to American Machine & Foundry Company. Paper feed for wrapping machines. 1,805,677; May 19.
Schmitt, Frank R., Queens Village, N. Y., assignor to American Machine & Foundry Company. Knife heater for wrapping machines. 1,810,987; June 23.
Schmitt, Fred, University City, Mo. Tripping mechanism for hoisting buckets. 1,833,915; Dec. 1.
Schmitt, George B., Newark, Ohio. Combined leg brace and spreader device. 1,791,328; Feb. 3.
Schmitt, John A., assignor to The Universal Milking Machine Company, Waukesha, Wis. Pulsator. 1,827,405; Oct. 13.
Schmitt, Joseph J., Algoma, Wis. Folding chair. 1,800,107; Apr. 7.
Schmitt, Joseph J., Algoma, Wis. Seat frame. 1,802,280; Apr. 21.
Schmitt, Karl O. (See Goldberg, R., and Schmitt.)
Schmitt, Nikolaus, and Otto Schmitt, Kuppersteg, Germany. Electric mine firing device. 1,832,052; Nov. 17.
Schmitt, Otto. (See Schmitt, N. and O.)
Schmitt, Otto G., Chicago, Ill. Process and apparatus for manufacturing flexible pads. 1,822,376; Sept. 8.
Schmitt, Otto G., Omaha, Nebr. Manufacturing flexible pads. 1,822,377; Sept. 8.
Schmitt, Robert. (See Zitscher, A., and Schmitt.)
Schmitt, Victor T., assignor to Hinckley & Schmitt, Chicago, Ill. Water cooler. Des. 83,999; Apr. 21.
Schmitt, William C., Portland, Oreg. Railroad-track holding and bracing device. 1,800,322; Apr. 14.
Schmitt, William H., St. Paul, Minn. Traffic signal. 1,795,448; Mar. 10.
Schmitt, William H., St. Paul, Minn. Window stay and fastener. 1,800,158; Apr. 7.
Schmitt, William H., assignor to R. V. Funk, Long Beach, Calif. Hydraulic shock absorber. 1,829,946; Nov. 3.
Schmitter, Louis., Fontaines, Switzerland. Brush for cleaning artificial teeth. 1,816,092; July 28.
Schmitz, Fred A., Canton, assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Edge construction for table tops and the like. 1,810,579; June 16.
Schmitz, Fred A., Canton, assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Roller leveler. 1,815,484; July 21.
Schmitz, Henry A., jr., assignor to A. O. Smith Corporation, Milwaukee, Wis. Arc welding chill. 1,806,954; May 26.
Schmitz, Nicholas G., Chicago, Ill. Flytrap. 1,800,108; Apr. 7.
Schmitz, Paul, et al. (See Szombathy, Kálmán, assignor.)
Schmitz, Peter. (See Halbig, P., Kaufler, and Schmitz.)
Schmitz, Wilhelm, Berlin, assignor to Vereinigte Eisenbahn-Signalwerke G. m. b. H., Berlin-Siemensstadt, Germany. Track-switch-controlling apparatus. 1,799,193; Apr. 7.
Schmohl, Alfred C., Beaver Falls, and J. P. Anderson, Koppel, assignors to Pressed Steel Car Company, Pittsburgh, Pa. Car construction. 1,834,426; Dec. 1.
Schmolka, Herbert. (See Danninger, A., Schmolka, and Kastner.)
Schmude, Robert J., Chicago, Ill. Piano. 1,804,568; May 12.
Schmutz, Julius, Louisville, Ky. Printing plate mold. 1,810,088; June 16.
Schmutz, Julius, Louisville, Ky. Printing plate. 1,810,089; June 16.
Schmutz, Julius, Louisville, Ky. Printing plate holding means. 1,817,587; Aug. 4.
Schmutz, Oskar, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company. Transformer. 1,832,662; Nov. 17.
Schnabel, Rudolf, Berlin, Germany, assignor by mesne assignments, to Pyrene-Minimax Corporation. Producing foam from foam generating substances. 1,829,715; Oct. 27.
Schnaier, Milton, New York, N. Y. Compression coupling. 1,790,025; Jan. 27.
Schnaier, Milton, New York, N. Y. Coupling. 1,837,888; Dec. 22.
Schnar, Harry A., Wabash, Ind. Construction of sectional conduits. 1,813,771; July 7.
Schneckloth, Harry H., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 1,802,446; Apr. 28.
Schneeman, Adolph W., St. Louis, Mo. Receiving receptacle. 1,831,467; Nov. 10.
Schneevoigt, Alwin, Ludwigshafen-on-the-Rhine, and K. Anacker, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Fast print on vegetable fibers. 1,813,641; July 7.
Schneeweiss, Peter R., Cleveland, and J. H. Leonard, Lakewood, Ohio, said Leonard assignor to said Schneeweiss. Automatic control for landing airplanes. 1,799,194; Apr. 7.
Schneggenburger, Walter A., Buffalo, N. Y. Fishhook holder. 1,807,346; May 26.
Schneible, Claude B., et al. (See Schneible, Claude B., assignor.)
Schneible, Claude B., et al, trustees. (See Schneible, Claude B., assignor.)
Schneible, Claude B., Evanston, Ill., assignor to C. B. Schneible, K. F. Schreiber, and B. B. Schneider, as trustees under the name of the Joseph Schneible Trust. Column. 1,790,596; Jan. 27.
Schneible, Claude B., Evanston, Ill., assignor to C. B. Schneible, K. F. Schreier, and B. B. Schneider as trustees under the name of the Joseph Schneible Trust. Vapor-liquid column. 1,794,986; Mar. 3.
Schneible, Claude B., Los Angeles, Calif., assignor to C. B. Schneible, I. S. Clark, and B. B. Schneider, as trustees under name of Joseph Schneible Trust. Method of and apparatus for dealcoholizing beer and the like. 1,832,593; Nov. 17.
Schneible, Joseph, Trust, et al. (See Schneible, Claude B., assignor.)
Schneider, Adolf, Brooklyn, N. Y. Terminal connection for electric circuit wires. 1,812,307; June 30.
Schneider, Adolf, Brooklyn, N. Y., assignor of one-half to A. A. Schneider, East Orange, N. J. Binding post. 1,825,130; Sept. 29.
Schneider, Alfons. (See Klee, J., and Schneider.)
Schneider, Alfons, Munich, Germany. Vehicle lifting jack. 1,802,840; Apr. 28.
Schneider, Alfred, Berkeley, assignor to Liberty Burner Corporation, San Francisco, Calif. Fluid-pump structure. 1,793,513; Feb. 24.
Schneider, Alvin. (See Jones, Oliver V., and Schneider.)
Schneider, Arthur A. (See Schneider, Adolf, assignor.)
Schneider, Benjamin B., et al., trustees. (See Schneible, Claude B., assignor.)
Schneider, Bernard R., Lyndhurst, N. J. Strip feed mechanism. 1,821,899; Sept. 1.
Schneider, Bernard R., Lyndhurst, N. J., assignor to Ebco Machine Corp., New York, N. Y. Ribbon feed mechanism. 1,831,264; Nov. 10.
Schneider, Charles C., St. Louis, Mo. Catching device for cloth laying machines. 1,822,908; Sept. 15.
Schneider, Christian, Neuroessen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Fire-extinguishing process. 1,813,586; July 7.
Schneider & Cie. (See Fieux, Jean, assignor.)
Schneider & Cie. (See Methlin, Nicolas E., assignor.)
Schneider, Edwin J., Jamaica, assignor to Eastern Tube & Tool Co., Inc., Brooklyn, N. Y. Conductor. 1,837,795; Dec. 22.
Schneider, Edwin J., Jamaica, and M. B. Bradt, Brooklyn, assignors to Eastern Tube and Tool Co. Inc., Brooklyn, N. Y. Insulated coupling. 1,795,577; Mar. 10.
Schneider, Edwin J., Jamaica, and M. B. Bradt, Brooklyn, assignors to Eastern Tube and Tool Co. Inc., Brooklyn N. Y. Armored conductor. 1,799,765; Apr. 7.
Schneider, Ernst. (See Melcher, F., and Schneider.)
Schneider, Ernst, Vienna, J. Ehrhart, and J. Kreitner, St. Polten, near Vienna, Austria, assignors to J. M. Voith, Heidenheim-on-the-Brenz, Germany. Blade wheel with movable blade. 1,823,169; Sept. 15.
Schneider, Frank A., San Francisco, Calif. Oil burner. 1,800,476; Apr. 14.
Schneider, Franz P., assignor to Transo Envelope Company, Chicago, Ill. Guide card. 1,827,375; Oct. 13.
Schneider, Frederick P., et al. (See Testa, Joseph A., assignor.)
Schneider, George. (See Dreyfus, C., and Schneider.)
Schneider, George, Cumberland, Md., assignor to Celanese Corporation of America. Coating fabrics with cellulose derivatives. 1,824,690; Sept. 22.
Schneider, George, Saginaw, assignor to Wilcox-Rich Corporation, Detroit, Mich. Piston ring. 1,828,001; Oct. 20.
Schneider, George A. (See Steinhauer, Fritz P., assignor.)
Schneider, Heinrich, Erfurt, Germany. Footwear. 1,815,164; July 21.
Schneider, Heinrich, Zurich, Switzerland. Driving mechanisms for flyers. 1,828,259; Oct. 20.
Schneider, Henry, Lenzburg, Switzerland. Drag arrangement for the bobbins of spinning, doubling, and like machines. 1,798,904; Mar. 31.
Schneider, Henry, Zurich, Switzerland. Spinning, doubling, or similar textile frame. 1,798,905; Mar. 31.
Schneider, Henry C., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Wind-wheel vane. 1,829,062; Oct. 27.
Schneider, Henry J., Boston, Mass. Water heater and condenser. 1,828,344; Oct. 20.
Schneider, Hermann. (See Straub, F., and Schneider.)
Schneider, Herman L., Chicago, Ill. Wringer. 1,803,297; Apr. 28.
Schneider, Herman S., Chicago, Ill. Dish washing device. 1,825,095; Sept. 29.
Schneider, Hugo, Aktiengesellschaft. (See Hirsch, Carl, assignor.)
Schneider, Jacques, Antwerp, Belgium. Refrigerating machine. 1,818,166; Aug. 11.
Schneider, John, Roselle Park, N. J. Pencil casing. 1,815,451; July 21.
Schneider, Laura M., New York, N. Y. Hose supporter. 1,826,368; Oct. 6.
Schneider, Leopold C., Hatboro, Pa. Trap. 1,808,907; June 9.

Schneider, Lillian, and A. Reich, Brooklyn, N. Y. Multiple valve for sectional tubes of vehicle tires. 1,788,334; Jan. 6.
Schneider, Lillian, and A. Reich, Brooklyn, N. Y. Sectional tube for vehicle tires. 1,788,335; Jan. 6.
Schneider, Max, Denver, Colo., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 1,814,637; July 14.
Schneider, Moses, Bayonne, N. J. Cloth unrolling device. 1,827,171; Oct. 13.
Schneider, Oscar K., assignor to Harrington & King Perforating Company, Chicago, Ill. Grille panel construction. 1,822,909; Sept. 15.
Schneider, Philip, Chicago, Ill. Gas generator for internal combustion engines. 1,816,936; Aug. 4.
Schneider, Ralph F., Jersey City, N. J., assignor to Meinecke & Company, New York, N. Y. Clinical thermometer. 1,832,139; Nov. 17.
Schneider, Ralph F., Jersey City, N. J., assignor to Meinecke & Company, New York, N. Y. Clinical thermometer. 1,833,184; Nov. 24.
Schneider, Richard, and F. M. Dupont, Chicago, Ill., assignors, by mesne assignments, to International Wheat Malt Syrup Company, Dover, Del. Process for the manufacture of wheat syrup. 1,829,762; Nov. 3.
Schneider, Samuel, New York, and M. M. Rossinow, Brooklyn, N. Y. Weight-operated switch. 1,788,336; Jan. 6.
Schneider, Theodor, assignor to the Firm Carl Still, Recklinghausen, Germany. Extracting benzene hydrocarbons from gases. 1,822,751; Sept. 8.
Schneider, Wilhelm. (See Neresheimer, H., and Schneider.)
Schneider, William H., Milwaukee, Wis. Spray nozzle. 1,795,898; Mar. 10.
Schneider, William H., Milwaukee, Wis. Combination tool. 1,833,230; Nov. 24.
Schnell, August F., Kankakee, Ill. Fish lure. 1,806,088; May 19.
Schnell, Charles E., and E. K. Sadler, Fresno, Calif. Circuit breaker reclosing relay. 1,835,342; Dec. 8.
Schnell, Charles E., Fresno, and E. K. Sadler, Los Angeles, Calif. Power driven automatic switch reclosing mechanism. 1,835,343; Dec. 8.
Schnell, Frederick H., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Exhaust muffler. 1,811,762; June 23.
Schnell, Julius L., Arlington, N. J. Desk set. 1,790,726; Feb. 3.
Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Outside door handle or similar article for an automotive vehicle. Des 83,281; Feb. 10.
Schnell, William, assignor to Ternstedt Manufacturing Co., Detroit, Mich. Automobile door handle or similar article. Des. 83,701; Mar. 17.
Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Radiator cap or similar article for an automotive vehicle. Des. 85,304; Oct. 6.
Schnell, William, assignor to Ternstedt Manufacturing Company. Detroit, Mich. Outside door handle or similar article for an automotive vehicle. Des. 85,844; Dec. 22.
Schnell, William, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window casement lock. 1,810,856; June 16.
Schnell, William, and F. Giuntini, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Automobile radiator ornament or similar article. Des. 84,659; July 14.
Schnell, William, and B. E. Lemm, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Radiator cap or similar article for an automotive vehicle. Des. 84,959; Aug. 25.
Schnell, William, and F. M. Edgar, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Radiator cap. 1,804,279; May 5.
Schnell, William, and J. B. Flynn, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Radiator cap. 1,816,199; July 28.
Schnellbett Gesellschaft mit beschraenkter Haftung. (See Mager, Lothar, assignor.)
Schneller, Maximilian A., Brooklyn, N. Y. Dosage of substances. 1,829,947; Nov. 3.
Schnellpressenfabrik Aktiengesellschaft Heidelberg. (See Büttner, Arthur, assignor.)
Schnepf, George M., Conowingo, Md. Earth spreader and leveler. 1,787,765; Jan. 6.
Schnepp, Emil G., San Diego, Calif. Water heater. 1,802,578; Apr. 28.
Schnier, William C., assignor of one-half to J. S. Lemley, St. Louis, Mo. Toy bank. 1,826,528; Oct. 6.
Schnitman, Charles R., Waterbury, Conn. Golf bowling game. 1,829,239; Oct. 27.
Schnitzler, Eduard. (See Lummerzheim, H., and Schnitzler.)
Schnitzler, Eduard. (See Vehl, P., and Schnitzler.)
Schnitzler, Eduard, Dessau-in-Anhalt, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Adhesive strip. 1,837,680; Dec. 22.
Schnitzspahn, Karl. (See Keller, F., and Schnitzspahn.)
Schnitzspahn, Karl. (See Krzikalla, H., and Schnitzspahn.)
Schnitzspahn, Karl, Offenbach-on-the-Main, Germany, assignor to General Aniline Works Inc., New York, N. Y. Process for manufacturing concentrated diazo-solutions from solid aryl-diazonium-fluoborates. 1,799,068; Mar. 31.
Schnuck, Carl F. (See Bowen, D. R., and Schnuck.)
Schnyder, Johann, Kriens-Lucerne, Switzerland. Rotary gate for pipe lines. 1,800,908; Apr. 14.
Schobbens, Vincent, Antwerp, Belgium. Carburetor. 1,802,841; Apr. 28.
Schobel, David. (See Szabo, Alexis, assignor.)
Schober, Johann, Kleinholzhausen Post Grossholzhausen, near Rosenheim, Germany. Trap for beasts of prey. 1,805,317; May 12.
Schobert, Oscar E. (See Weigand, H., and Schobert.)
Schobrone, Carl J., Cleveland, Ohio. Air purifier. 1,796,405; Mar. 17.
Schoch, Edwin. (See Egli, E., and Schoch.)
Schoch, Eugene P., Austin, Tex. Extracting salts from minerals. 1,794,551; Mar. 3.
Schoch, Eugene P., Austin, Tex. Recovering salts from minerals. 1,794,552; Mar. 3.
Schoch, Eugene P., Austin, Tex. Recovering salts from minerals. 1,794,553; Mar. 3.
Schock, Clarence, Mount Joy, Pa. Dispensing pump. 1,829,240; Oct. 27.
Schockency, Charles E. (See Ferguson, C. E., and Shockency.)
Schodde, George F., Pittsburgh, Pa. Brake tester. 1,830,680; Nov. 3.
Schoder, Albert, Steinach, Germany, assignor to Eugene B. Baehr, New York, N. Y. 1,796,483; Mar. 17.
Schoedinger, F. O. (See Heathman, Edward M., assignor.)
Schoedinger, F. O. (See Miller, William J., assignor.)
Schoedinger, F. O. (See Packer, James M., assignor.)
Schoel, Fred L., Waterloo, Iowa. Adjustable doughnut machine. 1,811,564; June 23.
Schoelch, John W., St. Louis, Mo. Checkbook and record. 1,823,513; Sept. 15.
Schoeller, Conrad, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyeing and printing natural fiber with sulphur and vat dyestuffs. 1,815,990; July 28.
Schoeller, Rudolf. (See Klemenc, A., and Schoeller.)
Schoeller, Walter. (See Jordan, H., Schoeller, and Clerc.)
Schoeller, Walter, Berlin-Westend, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Artificial mineral waters and producing same. 1,812,560; June 30.
Schoeller, Walter, Berlin-Westend, and H. G. Allardt, Berlin-Reinickendorf-West, assignors to the Firm Schering-Kahlbaum A. G., Berlin, Germany. Alkali salts of halogen hydroxybenzoic acid esters. 1,793,021; Feb. 17.
Schoeller, Walter, and H. Schotte, assignor to the Firm Shering-Kahlbaum Aktiengesellschaft, Berlin, Germany. Substituted guanidine alcohols. 1,805,889; May 19.
Schoeller, Walter, Berlin-Westend, and H. Jordan, Berlin-Steglitz, assignors to the Firm Schering-Kahlbaum Aktiengesellschaft, Berlin, Germany. Manufacturing alkyl isoalkyl phenols. 1,822,062; Sept. 8.
Schoeller, Walter, Berlin-Charlottenburg, H. Jordan, Berlin-Steglitz, and R. Clerc, Berlin, assignors to the firm Schering-Kahlbaum, A. G., Berlin, Germany. Production of C-alkylated phenols. 1,788,847; Jan. 13.
Schoeller, Walter, Berlin-Charlottenburg, H. Jordan, Berlin-Steglitz, and R. Clerc, Berlin, assignors to the Firm Schering-Kahlbaum A. G., Berlin, Germany. Producing menthol. 1,793,020; Feb. 17.
Schoeller, Walter, Berlin-Charlottenburg, H. Jordan, Berlin-Steglitz, and B. Clerc, assignors to Schering-Kahlbaum A.-G., Berlin, Germany. Production of isoalkylene phenols. 1,798,813; Mar. 31.
Schoeller, Walter, Berlin-Charlottenburg, H. Jordan, Berlin-Steglitz, and R. Clerc, assignors to Schering-Kahlbaum A.-G., Berlin, Germany. Production of alkylphenols. 1,805,555; May 19.
Schoeller, Walter, Berlin-Charlottenburg, H. Jordan, Berlin-Steglitz, and R. Clerc, assignors to the Firm Schering-Kahlbaum A. G., Berlin, Germany. Producing thymol. 1,812,561; June 30.
Schoeller, Walter, Berlin-Charlottenburg, H. Jordan, Berlin-Steglitz, and R. Clerc, Berlin, assignors to Schering-Kahlbaum-A.-G., Berlin, Germany. Production of alkylated phenols. 1,835,344; Dec. 8.
Schoeller, Walter, H. Jordan, E. Schwenk, and E. Borgwardt, assignors to Schering-Kahlbaum A.-G., Berlin, Germany. Manufacturing alkylisoalkyl phenols. 1,838,454; Dec. 29.
Schoen, Arnold F., Saugerties, N. Y. Automobile headlight. 1,797,881; Mar. 24.
Schoen, Harry. (See Fischer, P. A., Schoen, and Goldstein.)
Schoenberg, Virgil A., Niles Center, Chicago, Ill. Radio photography transmitter. 1,813,204; July 7.
Schoenberger, W. J., Company, The. (See Hunziker, Fred, assignor.)
Schoenburg, Carl E., et al. (See Schoenburg, Carl H., assignor.)
Schoenburg, Carl H., assignor of one-third to F. G. Schoenburg and one-third to C. E. Schoenburg, Spokane, Wash. Outboard-motor support for vehicles. 1,799,650; Apr. 7.
Schoenburg, Curt, and G. von der Bruck, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recovery of phenols from gas liquors. 1,826,369; Oct. 6.

Schoenburg, Fred G., et al. (See Schoenburg, Carl H., assignor.)
Schoeneman, J., Incorporated. (See Newman, Samuel, assignor.)
Schoener, Theodore. (See Klein, E., and Schoener.)
Schoenfeld, Morris, Zurich, Switzerland. Method of and apparatus for fluid treatment of textile threads. 1,793,562; Feb. 24.
Schoenfeld, Morris, Zurich, Switzerland. Thread-twisting device for knitting and other machines. 1,795,683; Mar. 10.
Schoenrock, Otto R., Chicago, Ill. Clutch. 1,797,515; Mar. 24.
Schoenthal, Nathan. (See Rider, Granville S., assignor.)
Schoepp, Lorin W., and F. S. McMann, Chicago, Ill. Automatic adjusting mechanism for aircraft propellers. 1,830,858; Nov. 10.
Schoettinger, George. (See Oweger, L., and Schoettinger.)
Schoff, Albert L., Caldwell, and E. N., and G. J. Nelson, Belleville, N. J., assignors to Overman Cushion Tire Company, Inc., New York, N. Y. Making cushion tires. 1,810,406; June 16.
Schofield, Charles, assignor to Dobson and Barlow Limited, Bolton, England. Machine for opening, scutching, and similarly treating cotton and other fibrous materials. 1,815,593; July 21.
Schofield, Edwin R., and R. Kramaroff, Philadelphia, Pa. Apparatus for cleaning liquids of suspended matter and the like. 1,801,111; Apr. 14.
Schofield, John G., assignor, by mesne assignments, to Newspaper Mechanical Sales Company, Washington, D. C. Coin control for vending machines. 1,803,440; May 5.
Schofield, Percy F., Miami, Fla. Gas control for motor vehicles. 1,828,685; Oct. 20.
Schofield, Samuel, Liverpool, England. Bottle. 1,814,638; July 14.
Schofield, Stanley T. (See Van Sickle, R. C., and Schofield.)
Schofield, Stanley T., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oil circuit breaker. 1,822,112; Sept. 8.
Schofield, Stanley T., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Contact member for oil-immersed circuit interrupters. 1,831,844; Nov. 17.
Schofield, Theodore J., and F. W. Billig, assignors to The Sparks-Withington Company, Jackson, Mich. Signaling device. 1,822,674; Sept. 8.
Schofield, William R., jr. (See Harsch, J. W., and Schofield.)
Schofield, William R., jr., assignor to Leeds & Northrup Company, Philadelphia, Pa. Control system. 1,791,383; Feb. 3.
Schoij, Herman, Chicago, Ill. Wrapping machine. 1,824,374; Sept. 22.
Scholefield, Fred, Walkden, assignor to The Manchester Oxide Company Limited, Manchester, England. Oxidation process. 1,801,177; Apr. 14.
Scholes, Howard S., Cranston, R. I. Combined cigarette box and set of match containers. Des. 83,130; Jan. 20.
Scholl, Clark, assignor to The Steel Products Engineering Company, Springfield, Ohio. Drilling machine. 1,831,547; Nov. 10.
Scholl Mfg. Co. Inc., The. (See Scholl, William M., assignor.)
Scholl, William J., Hutchinson, Kans. Signpost or the like. Des. 83,757; Mar. 24.
Scholl, William M., Chicago, Ill. Arch support. 1,809,731; June 9.
Scholl, William M., assignor to The Scholl Mfg. Co. Inc., Chicago, Ill. Display device. 1,831,036; Nov. 10.
Scholle, Eleanor P., assignor to Isabella Barclay, Inc., New York, N. Y. Radiator inclosure. Des. 84,551; June 30.
Schollhorn, William, Company, The. (See Bernard, William A., assignor.)
Schollhorn, William, Company, The. (See Clemens, Fred J., assignor.)
Schollmeyer, William A., Yonkers, N. Y. Curtain and shade fixture. 1,810,146; June 16.
Scholtes, T. W., et al. (See Leveque, Mose, assignor.)
Scholtz, Ferdinand J., Watertown, S. Dak. Thermostatic alarm. 1,824,933; Sept. 29.
Scholz, Edward, and E. J. Stalder, assignors of one-third to T. Wolin, Chicago, Ill. Light liquid filling machine. 1,835,676; Dec. 8.
Scholz, Victor, Leipzig, assignor to the firm Atlas Ago Chemische Fabrik, Molka, near Leipzig, Germany. Preparing linoxyn or materials similar to linoxyn. 1,794,325; Feb. 24.
Scholz, Victor, Leipzig-Molkau, assignor of one-half to the firm Atlas Ago Chemische Fabrik Aktiengesellschaft, Molkau, near Leipzig, Germany. Preparing a composition of matter. 1,796,219; Mar. 10.
Scholz, Werner, Oberleschen, and A. Frohberg, Cunnersdorf, Germany. Device for charging vessels. 1,813,205; July 7.
Scholz, William, Altona-Klein Flottbek, Germany, assignor to Deutsche Werft Aktiengesellschaft, Hamburg, Germany. Ship's rudder. 1,799,538; Apr. 7.
Schomaker, George E., Sydney, New South Wales, Australia, and R. F. Gould, Chicago, Ill., assignors to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,809,071; June 9.
Schön, Karl, Wuerzburg, Germany. Method of and apparatus for unloading boats, barges, and like vessels. 1,823,172; Sept. 15.
Schon, Lester. (See Shoenberg, M. H., and Schon.)
Schon, Pierre. (See Reid, F. M., Schon, and Eason.)
Schonberg, Jackson R., Westfield, N. J., assignor to Standard Oil Development Company. Apparatus for distilling oils. 1,791,937; Feb. 10.
Schonberg, Jackson R., Westfield, N. J., assignor to Standard Oil Development Company. Heating decomposable materials. 1,821,326; Sept. 1.
Schonberg, Jackson R., Westfield, N. J., assignor to Standard Oil Development Company. Treatment of hydrocarbon oils. 1,831,265; Nov. 10.
Schonbrunn, S. A., & Co. (See Cooper, Howard H. D., assignor.)
Schönfeld, Paul L., Chemnitz, Germany. Protecting lining for shoes. 1,794,035; Feb. 24.
Schönfeld, Paul L., Chemnitz, Germany. Sock. 1,803,980; May 5.
Schönfelder, Robert. (See Gluud, W., Keller, Schönfelder, and Klempt.)
Schöngut, Gustav, Vienna, Austria. Pump for liquids. 1,822,242; Sept. 8.
Schönhöfer, Fritz. (See Schulemann, W., Wingler, and Schönhöfer.)
Schoo, Clarence J., assignor to General Fibre Box Co., West Springfield, Mass. Paper-corrugating machine. 1,796,541; Mar. 17.
Schoo, Clarence J., assignor to General Fibre Box Co., West Springfield, Mass. Corrugated paperboard and making the same. 1,796,542; Mar. 17.
Schoof, Arthur W., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for gauging and adjusting articles. 1,826,828; Oct. 13.
Schooler, Orten E., Webb City, Mo. Clutch controller. 1,797,516; Mar. 24.
Schoonenberg, Cornelis J. F. (See Gogelein, J. F., and Schoonenberg.)
Schoonenberg, Pancras, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Device for sorting bodies of different weight. 1,835,186; Dec. 8.
Schoonmaker, Leon M., Forest Hills, N. Y. Sewing machine. 1,793,642; Feb. 24.
Schoonmaker, William J., New York, N. Y. Sound picture screen. 1,808,077; June 2.
Schoonmaker, William J., New York, N. Y. Non-inflammable sound picture screen. 1,808,078; June 2.
Schoonover, Noah E., assignor of one-half to E. A. Woodburn, Interior, S. D. Ordnance. 1,809,533; June 9.
Schopp, James R., Lancaster, Ohio. Spreading grit in the paths of automobile drive wheels. 1,789,600; Jan. 20.
Schopper, Alfred, assignor to the Firm Louis Schopper, Leipzig, Germany. Apparatus for testing the tensile strength of flexible materials. 1,797,734; Mar. 24.
Schopper, Alfred, Leipzig, and G. Dalén, Berlin-Dahlen, assignor to the firm Louis Schopper, Leipzig, Germany. Apparatus for testing tensile strength. 1,819,719; Aug. 18.
Schopper, Louis. (See Schopper, A., and Dalén, assignors.)
Schor, Joseph, et al. (See Meyer, Ferd H., assignor.)
Schor, Joseph, et al. (See Skoverski, John R., assignor.)
Schorer, Herman, Oakland, Calif. Dam. 1,796,898; Mar. 17.
Schörg, Karl. (See Fendt, E., and Schörg.)
Schorger, Arlie W., assignor to C. F. Burgess Laboratories Inc., Madison, Wis. Interior wall finish. 1,808,865; June 9.
Schorger, Arlie W., assignor, by mesne assignments, to Burgess Battery Co., Madison, Wis. Sealing compound. 1,817,496; Aug. 4.
Schorger, Arlie W., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Cellulosic material. 1,829,763; Nov. 3.
Schori, Fritz, Wetzikon, assignor to firm Bauer A. G., Zurich, Switzerland. Cylinder lock. 1,823,411; Sept. 15.
Schork, Dolan, and C. Marks, Monticello, Mo. Road ditch and shoulder maintainer. 1,801,880; Apr. 21.
Schork, John L., jr., Maplewood, N. J., assignor to Irvington Varnish & Insulator Co., Irvington, N. J. Cable marker. 1,830,411; Nov. 3.
Schorn, Hans, Lautawerk-Lausitz, Germany. Manufacture of aluminum silicon alloys. 1,835,244; Dec. 8.
Schorno, Arthur, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Safety brake apparatus. 1,824,303; Sept. 22.
Schory, Ralph M. (See Fry, C. A., Harsh, and Schory.)
Schossow, Frederick A., Detroit, Mich. Toilet bowl. 1,822,378; Sept. 8.
Schott, George M., assignor to The Cincinnati Galvanizing Company, Cincinnati, Ohio. Corner bracket for card table. Des. 83,354; Feb. 17.
Schott, Howard H., assignor to Robeson-Rochester Corporation, Rochester, N. Y. Combined casserole and tray. Des. 83,131; Jan. 20.

Schott, Howard H., assignor to Robeson-Rochester Corporation, Rochester, N. Y. Handle construction for vessels. 1,803,729; May 5.
Schotte, Herbert. (See Schoeller, W., and Schotte.)
Schotte, Herbert, Berlin-Reinickendorf, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Producing substituted guanidines. 1,795,738; Mar. 10.
Schotte, Herbert, Berlin-Reinickendorf, and H. Priewe, Berlin-Charlottenburg, assignors to Schering-Kohlbaum, A. G., Berlin, Germany. Separating meta-cresol from phenolic mixtures. 1,830,859; Nov. 10.
Schottky, Walter, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft. Siemensstadt, near Berlin, Germany. Decarburizing iron or steel or their alloys. 1,821,407; Sept. 1.
Schotz, Schachno P., London, England. Bleaching agent and producing same. 1,836,134; Dec. 15.
Schou, Michel F., assignor of one-half to M. Mazur, Kalamazoo, Mich. Grain planter. 1,809,072; June 9.
Schrade, George M., Bridgeport, Conn. Pocketknife. 1,810,031; June 16.
Schrader, Frank H., Tulsa, Okla. Blow-off-cock valve. 1,799,025; Mar. 31.
Schrader, Hans. (See Weber, J., Schrader, and Wiedbrauck.)
Schrader, Hans, assignor to the firm of Th. Goldschmidt A.-G., Essen-Ruhr, Germany. Producing emulsions. 1,826,900; Oct. 13.
Schrader, Henry G., Falconer, N. Y. Mirror. 1,832,248; Nov. 17.
Schrader, Henry W., assignor of one-third to E. Krieger, Martins Ferry, Ohio. Engine block. 1,799,869; Apr. 7.
Schrader, Thomas O., Allentown, assignor to The Dent Hardware Company, Fullerton, Pa. Closure fastener. Des. 85,666; Dec. 1.
Schrader, Thomas O., Allentown, assignor to The Dent Hardware Company, Fullerton, Pa. Closure fastener. Des. 85,667; Dec. 1.
Schrader, Thomas O., Allentown, assignor to The Dent Hardware Company, Fullerton, Pa. Reversible closure fastener. 1,795,514; Mar. 10.
Schrader's, A., Son, Incorporated. (See Schiveinert, Maximilian C., assignor.)
Schraders', A., Son, Inc. (See Spill, Charles J., assignor.)
Schrader's, A., Son, Inc. (See Volckhausen, Julius, assignor.)
Schrader's, A., Son, Incorporated. (See Wahl, John, assignor.)
Schrader's A., Son, Incorporated. (See Wahl, J., and Melzer, assignors.)
Schrago, Morris M., Los Angeles, Calif. Sewing machine. 1,809,148; June 9.
Schram, Adolph W., Chicago, Ill. Chair. 1,809,453; June 9.
Schramm, Carl, West Hartford, assignor to The Smyth Manufacturing Company, Hartford, Conn. Machine for rounding and jointing the backs of books. 1,802,355; Apr. 28.
Schramm, Carl, Hartford, and E. W. Clark, assignors to The Smyth Manufacturing Company, Hartford, Conn. Adhesive applying mechanism for casing-in machines. 1,802,354. Apr. 28.
Schramm, Carl, West Hartford, and E. W. Clark, assignors to The Smyth Manufacturing Company, Hartford, Conn. Machine for back lining books. 1,824,506; Sept. 22.
Schramm, Fred W., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Automatic voltage-regulating circuit. 1,790,076; Jan. 27.
Schramm, Walter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,794,924; Mar. 3.
Schramm, Walter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,799,990; Apr. 7.
Schramm, Walter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Meter testing switch. 1,822,113; Sept. 8.
Schramm, Walter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Instrument test switch. 1,834,184; Dec. 1.
Schrank, Fred J., Akron, Ohio. Article holder. 1,802,159; Apr. 21.
Schrank, M. C., Company. (See Schrank, Max C., assignor.)
Schrank, Max C., Bridgeton, N. J. Slip. 1,820,399; Aug. 25.
Schrank, Max C., Bridgeton, N. J., assignor to M. C. Schrank Company, New York, N. Y. Pajamas. 1,831,769; Nov. 10.
Schrankel, Howard L., Buffalo, N. Y. Heating apparatus. 1,805,556; May 19.
Schranz, Frederick G., assignor to Southwark Foundry & Machine Company, Philadelphia, Pa. Steam platen. 1,790,114; Jan. 27.
Schranz, Karl. (See Kayser, F., and Schranz.)
Schraysshuen, Carl, Providence, and K. Fassnacht, Edgewood, assignors to Speidel Chain Co., Providence, R. I. Elastic mesh bracelet. 1,807,440; May 26.
Schreiber, August, Friedersdorf, near Jagerndorf, Czechoslovakia. Display apparatus. 1,829,113; Oct. 27.
Schreiber, Gustav. (See Beck, A., Schmidt, and Schreiber.)
Schreiber, Hubert. (See Eibuschitz, R., and Schreiber.)
Schreier, K. F., et al., trustees. (See Schneible, Claude B., assignor.)
Schreiner, Aenne, Frankfort-on-the-Main, Germany. Producing highly active carbon. 1,821,117; Sept. 1.
Schreiner, Paul A., Lincoln, Nebr. Hydraulic transmission. 1,834,653; Dec. 1.
Schremp, Edward J., Miami, Fla., assignor, by mesne assignments, to The Prosperity Company, Inc. Hosiery press. 1,828,345; Oct. 20.
Schreurs, Paul R., Muscatine, Iowa. Color coating gravel. 1,838,287; Dec. 29.
Schrier, Harold D. (See Creason, Roscoe T., assignor.)
Schrier, Harold D., Kalamazoo, Mich. Collapsible box or container. 1,787,736; Jan. 6.
Schriver, O. P. Company, The. (See Webster, Walter H., assignor.)
Schrock, George W., Kellogg, Idaho. Drill for oil and gas wells. 1,830,625; Nov. 3.
Schrock, Herman L., et al. (See Vargo, Michael, assignor.)
Schrödel, Georg, Nuremberg, Germany. Toy gun. 1,797,966; Mar. 24.
Schroder, A. P., et al. (See Martin, James E., assignor.)
Schröder, Heinrich, assignor to Gesellschaft fur Drahtlose Telegraphie m. b. H., Hallesches Ufer, Berlin, Germany. Fine adjustment device for radio apparatus. 1,791,641; Feb. 10.
Schröder, Hugo, Essen, Germany. Coke oven. 1,790,597; Jan. 27.
Schroder, John E. (See Lorenz, E. H., and Schroder.)
Schroder, John E., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for handling glassware. 1,808,180; June 2.
Schroder, John E., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for distributing glassware. 1,835,814; Dec. 8.
Schroder, Robert E., assignor to Goodman Manufacturing Company, Chicago, Ill. Drilling mechanism. 1,712,719; June 30.
Schröder, Walther, assignor to the Firm Fritz Howaldt, Kiel, Germany. Garden shears. 1,831,609; Nov. 10.
Schroeder, Anthony, deceased, assignor of one-half to J. M. Finney, Cleveland, Ohio; A. Y. Beckwith, administrator of Anthony Schroeder, assignor to M. Schroeder, Cleveland, Ohio. Machine for making containers. 1,827,545; Oct. 13.
Schroeder, Charles, and H. Tatosian, assignor to Ice Cream Cone Machinery Inc., Bridgeport, Conn. Stripper for pastry cake baking machines. 1,808,997; June 9.
Schroeder, Charles S., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Truck. 1,823,380; Sept. 15.
Schroeder, Christian M. E., Rutherford, N. J. Waterproofing textile materials. 1,829,877; Nov. 3.
Schroeder, Eugenia, executrix. (See Kibele, Eugene.)
Schroeder, Frank V., Issaquah, Wash. Saw setting device. 1,817,272; Aug. 4.
Schroeder, Frank W., Bemidji, Minn. Convertible vehicle attachment. 1,798,635; Mar. 31.
Schroeder, Fred, West St. Paul, and A. Raddatz, St. Paul, Minn.; said Raddatz assignor to said Schroeder. Pencil. 1,827,619; Oct. 13.
Schroeder, Frederic W., assignor to Corhart Refractories Company, Louisville, Ky. Mold for casting refractories. 1,829,114; Oct. 27.
Schroeder, Frederick A., Rochelle Park, assignor to Raymond Concrete Pile Company, New York, N. Y. Drilling apparatus. 1,829,304; Oct. 27.
Schroeder, George H. (See Ruhoff, O. E., and Schroeder.)
Schroeder, George R., assignor of one-half to T. L. Campbell, Beverly, Kans. Posting tray. 1,810,793; June 16.
Schroeder, Hans C., La Grange, Ill., assignor to Goss Printing Press Company. Inking roller. 1,829,189; Oct. 27.
Schroeder, Hans W. C., assignor to Drägerwerk, Lubeck, Germany. Device for dosing compressed gases. 1,808,612; June 2.
Schroeder, Hans W. C., assignor to Dragerwerk, Lubeck, Germany. Apparatus for administering anesthetic and nutrient gas under pressure. 1,823,767; Sept. 15.
Schroeder, Harry C. (See Bettandorff, George, assignor.)
Schroeder, Harry C. (See De Gloria, J., and Schroeder.)
Schroeder, Harry C. (See Macabee, Fabian E. and E. L., assignors.)
Schroeder, Henry L. (See Schroeder, Otto C., assignor.)
Schroeder, Kurt, Dortmund, Germany. Underwater anchoring. 1,831,426; Nov. 10.
Schroeder, Kurt, Dortmund, Germany. Iron piling. 1,831,427; Nov. 10.
Schroeder, Kurt, Dortmund, Germany. Symmetrical piling made of channel-iron sections. 1,834,744; Dec. 1.
Schroeder, Louis H., Woodhaven, and J. Wagner, Brooklyn, N. Y., assignors, by mesne assignments, to Samuel M. Langston Company, Camden, N. J. Rotary box blanking machine. 1,837,235; Dec. 22.
Schroeder, Max G. T., Berlin, Germany. Production of sulphite liquor. 1,826,028; Oct. 6.
Schroeder, Mollie, et al. (See Schroeder, Anthony, assignor.)
Schroeder, Otto C., assignor to H. L. Schroeder, Chicago, Ill. Phonograph cabinet and horn. 1,799,069; Mar. 31.

Schroeder, Richard, Berlin, Germany. Manufacturing tubular parts. 1,800,360; Apr. 14.
Schroeder, Richard, Berlin-Weissensee, Germany. Sectional mandrel. 1,823,956; Sept. 22.
Schroeder, Rudolph W., Glencoe, Ill. Airplane and method of control. 1,817,651; Aug. 4.
Schroeder, Rudolph W., Glencoe, Ill. Propeller. 1,834,350; Dec. 1.
Schroeder, Rudolph W., Glenview, Ill. Aeroplane propeller. 1,834,351; Dec. 1.
Schroeder, Rudolph W., Glencoe, Ill. Airplane. 1,838,194; Dec. 29.
Schroeder, Simon E., Newton, Iowa. Supporting and driving mechanism for wringers. 1,813,466; July 7.
Schroeder, Simon E., assignor, by mesne assignments, to Automatic Washer Company, Newton, Iowa. Washing machine. 1,819,341; Aug. 18.
Schroeder, Walter, Davenport, Iowa. Fishing appliance. 1,816,235; July 28.
Schroeder, Wilhelm G., Lubeck, Germany. Refrigerating processes and apparatus for cooling fat emulsions such as margarine and the like. 1,803,212; Apr. 28.
Schroeder, William, Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Lifting device. 1,818,584; Aug. 11.
Schroeder, William, Orange, N. J., assignor to Western Electric Company, Incorporated, New York N. Y. Industrial truck. 1,819,625; Aug. 18.
Schroeter, Fritz. (See Karolus, A., and Schröter.)
Schroeter, Fritz, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Method to control light relays. 1,821,948; Sept. 8.
Schroeter, Fritz, and F. Michelssen, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Safety device for railroad operation. 1,791,938; Feb. 10.
Schroeter, Georg, Berlin, Germany, assignor to Newport Manufacturing Company, Carrollville, Wis. Purification of naphthalene. 1,800,159; Apr. 7.
Schröter, Fritz. (See von Arco, G., and Schröter.)
Schröter, Fritz, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Electric light relay. 1,792,766; Feb. 17.
Schröter, Fritz, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Facsimile system. 1,792,767; Feb. 17.
Schröter, Fritz, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Continuous picture transmission. 1,800,031; Apr. 7.
Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. High speed telegraphy system. 1,818,585; Aug. 11.
Schröter, Fritz, assignor to Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Photo-electric tube. 1,824,573; Sept. 22.
Schröter, Fritz, Berlin, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Short wave aerial. 1,830,176; Nov. 3.
Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, Glow lamp. 1,834,072; Dec. 1.
Schrott, Claude C., et al. (See McManus, Charles, assignor.)
Schrottke, Franz, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Lead-covered power-current cable. 1,791,043; Feb. 3.
Schrumn, Jewett F., assignor to Process Engineering and Equipment Corporation, Attleboro, Mass. Furnace. 1,818,759; Aug. 11.
Schubardt, Walter. (See Hochheim, E., and Schubardt.)
Schubardt, Walter. (See Schlecht, L., and Schubardt.)
Schubardt, Walter. (See Schlecht, L., Schubardt, and Duftschmid.)
Schubart, Benno, Nuremberg, Germany. Box for baby's shoes. Des. 84,960; Aug. 25.
Schubart, Benno, Nuremberg, assignor to the Firm Vereinigte Schuhfabriken Berneis-Wessels A. G., Augsburg-Oberhausen, Germany. Baby's shoe. Des. 84,058; Apr. 28.
Schubart, Benno, Nuremberg, assignor to the Firm Vereinigte Schuhfabriken Berneis-Wessels A. G., Augsburg-Oberhausen, Germany. Baby's shoe. Des. 84,059; Apr. 28.
Schubart, Benno, Nurenberg, Germany, assignor to the Firm Vereinigte Schuchfabrieken Berneis-Wessels A. G., Augsburg-Oberhausen, Germany. Box for baby's shoes. Des. 84,614; July 7.
Schubbe, Willy, Gera, Germany. Drilling machine. 1,801,881; Apr. 21.
Schuber, John, Asheville, N. C., assignor to The Champion Fibre Company, Canton, N. C. Bleaching cellulose pulp. 1,820,502; Aug. 25.
Schubert, Arthur, Rosslau, Germany. Paper making machine. 1,821,583; Sept. 1.
Schubert, Friedrich, Vienna, Austria. Method of and arrangement for examining the local strength of fabrics, paper, rubber, and the like. 1,836,621; Dec. 15.
Schubert, Hermann, Textilwerke et al. (See Schultze, Willi, assignor.)
Schubert, Hermann, Waldwerk, near Niemes, Czechoslovakia, assignor to the Firm of Hutter & Schrantz A. G., Vienna, Austria. Producing seamless connections of the ends of metal wire gauze. 1,797,967; Mar. 24.
Schubert, Lawrence J., Madison, Wis. Ventilator for milk cans. 1,813,964; July 14.
Schubert, Louis C. (See Bosenberg, Henry F., assignor.)
Schubert, Max. (See Herz, R., and Schubert.)
Schubert, Otto, & Sohn. (See Waschiczeck, Fritz, assignor.)
Schubert & Salzer Maschinenfabrik, Aktiengesellschaft. (See Heinitz, Woldemar, assignor.)
Schubert & Salzer Maschinenfabrik Aktiengesellschaft. (See Lässig, Fritz, assignor.)
Schubert, William J., Bethlehem, Pa., assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Knitted fabric. 1,810,580; June 16.
Schubert, William J., Bethlehem, Pa., assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Knitting plaited fabrics. 1,839,123; Dec. 29.
Schuberth, Louis T., Chicago, Ill. Railway structure. 1,820,034; Aug. 25.
Schucany, Walther, Dortmund, Germany. Regenerative gas-fired open-hearth furnace. 1,816,497; July 28.
Schuchardt, August, Winona, Minn. Vertical batch mixer. 1,791,169; Feb. 3.
Schuchardt, August, St. Louis, Mo. Reversible fan. 1,791,170; Feb. 3.
Schuchmann, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Indicating frequency changes. 1,787,997; Jan. 6.
Schuck, Eugene, assignor of one-fourth to G. E. McCreery, Los Angeles, Calif. Manufacture of soap. 1,831,610; Nov. 10.
Schuda, Ernest J., assignor to Lovell Manufacturing Company, Erie, Pa. Wringer frame. 1,805,557; May 19.
Schuda, Ernest J., assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,810,500; June 16.
Schuda, Ernest J., assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,811,096; June 23.
Schuddig, Carl W., assignor to J. W. Wilford, Lansing, Mich. Fuel oil vaporizer. 1,803,213; Apr. 28.
Schudeisky, Walter, Bremen, Germany. Change spur gearing especially for motor cars. 1,789,053; Jan. 13.
Schudel, John G., assignor to The Elko Chemical Company, Nitro, W. Va. Manufacture of phosphorus oxychloride and thionyl chloride. 1,788,959; Jan. 13.
Schueler, Henry C., New Holstein, Wis. Harvester. 1,794,646; Mar. 3.
Schueler, Julian L., Kokomo, Ind. Galvanizing. 1,816,617; July 28.
Schuenemann, Otto, New York, N. Y. Watchman's clock. 1,798,336; Feb. 17.
Schuenhoff, Harry. (See Eckel, H., and Schuenhoff.)
Schuepbach, Carroll J., Kirkwood, assignor to F. W. Peetz, St. Louis, Mo. Sewing machine. 1,800,409; Apr. 14.
Schueren, Arnold C., Chicago, Ill., assignor, by mesne assignments, to Vaughan Company. Meat cutting device. 1,803,489; May 5.
Schuessler, Heribert. (See Ott, K., and Schuessler.)
Schuette, Hermann, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of synthetic tanning agents. 1,826,094; Oct. 6.
Schuette, Johann, Berlin-Lichterfelde-Ost, Germany. Airship. 1,817,274; Aug. 4.
Schuettenhelm, John B., assignor to Bunker Hill & Sullivan Mining & Concentrating Company, Kellogg, Idaho. Lead-purifying process. 1,794,647; Mar. 3.
Schuftan, Paul, assignor to Gesellschaft fur Linde's Eismaschinen A. G., Hollriegelskreuth, near Munich, Germany. Purification of coke oven gases. 1,838,577; Dec. 29.
Schuh, Leon B., and C. J. Bailey, Minneapolis, Minn.; said Bailey assignor to D. D. Bailey, Jacksonville, Fla. Valves and valve controlled means for operating gates. 1,814,608; July 14.
Schuh, Otto H., Laramie, Wyo. Basin wrench. 1,795,048; Mar. 3.
Schuh, Otto H., Denver, Colo. Lifting device. 1,811,652; June 23.
Schuhbauer, Frank X., and G. A. Niklas, Butte, Mont. 1,793,432; Feb. 17.
Schuhfabrik Hassia Aktiengesellschaft. (See Bischoff, Leonard, assignor.)
Schulder, Fred, Cleveland, Ohio. Coupling connection. 1,825,825; Oct. 6.
Schulder, Fred, Cleveland, Ohio. Lavatory faucet. 1,825,826; Oct. 6.
Schuldt, John L., assignor to The Griswold Manufacturing Company, Erie, Pa. Mold handling apparatus. 1,801,574; Apr. 21.
Schüle, Rudolf, Frankfort-on-the-Main, and E. Korten, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Fast azodyestuffs and making same. 1,838,235; Dec. 29.
Schulemann, Werner, Vohwinkel-Hammerstein, Wingler, and F. Schönhöfer, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Aminoalkyl derivatives of amino-triphenylmethane compounds. 1,828,077; Oct. 20.
Schulenberg, Frederick H., Lima, Ohio. Violin-string tightener. 1,792,608; Feb. 17.
Schulenburg, George F., St. Louis, Mo. Flanging machine. 1,803,730; May 5.
Schuler, Abram J., Chicago, Ill. Clock. Des. 84,262; May 26.

Schuler, Eugene, assignor of one-half to the firm Josef Schuler A. G. Erste Ungarische Stahlschreibfeder-, Federhalter-und Indigocopierpapier-Fabrik, and three-tenths to J. Benke, Budapest, Hungary. Safety projectile for gun practice and gun barrels suitable for the same. 1,817,273; Aug. 4.
Schuler, Frank M., Winona, Minn. Apparatus for handling candy. 1,793,751; Feb. 24.
Schuler, Frank M., Winona, Minn. Cherry and nut dropping apparatus. 1,793,752; Feb. 24.
Schuler, Frank M., Winona, Minn. Automatic feeder for candy machines. 1,803,656; May 5.
Schuler, Gustave. (See McKee, H. H., and Schuler.)
Schuler, Hermann, and A. Gietmann, Dusseldorf, assignors to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Barrel recoil gun having a fuse-setting machine. 1,789,779; Jan. 20.
Schuler, Hermann, and A. Gietmann, Dusseldorf, assignors to Rheinische Metallwaaren und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Fuse setting machine. 1,803,775; May 5.
Schuler, Josef, A. G. Erste Ungarische Stahlschreibfeder-, Federhalter-und Indigocopierpapier-Fabrik, et al. (See Schuler, Eugene, assignor.)
Schuler, L., A.-G. (See Lubich, Max, assignor.)
Schuler, Robert E., Birmingham, Ala., assignor to Anderson Brass Works, Inc. Cable clamp. 1,796,409; Mar. 17.
Schulgen, George F. (See Schulgen, Louis F. and G. F.)
Schulgen, Louis F., Traverse City, Mich., and G. F. Schulgen, Washington, D. C. Box-making machine. 1,788,598; Jan. 13.
Schulis, Vincent, assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Brine retaining and discharge valve mechanism. 1,824,175; Sept. 22.
Schulman, Joseph, Brooklyn, N. Y. Wheel. 1,801,288; Apr. 21.
Schulman, Joseph, Brooklyn, N. Y. Bumper for motor vehicles. 1,801,289; Apr. 21.
Schulman, Joseph, Brooklyn, N. Y. Cooling system for engines. 1,806,712; May 26.
Schulman, Joseph, Brooklyn, N. Y. Aerial machine. 1,822,063; Sept. 8.
Schulman, Joseph, New York, N. Y. Combination shell for motor vehicle fronts. 1,838,114; Dec. 29.
Schulman, Solomon, New York, N. Y. Mop wringer with lever attachments. 1,814,413; July 14.
Schulse, H. E., Inc. (See Schulse, Herman E., assignor.)
Schulse, Herman E., Wilmington, Del., assignor to Uniclox Corporation. Terrestrial globe frame and clock casing. Des. 84,794; Aug. 4.
Schulse, Herman E., Wilmington, Del., assignor to Uniclox Corporation. Terrestrial globe frame. Des. 84,795; Aug. 4.
Schulse, Herman E., Wilmington, Del., assignor to Uniclox Corporation. Combined terrestrial globe frame and support therefor. Des. 84,796; Aug. 4.
Schulse, Herman E. Wilmington, Del., assignor to Uniclox Corporation. Combined terrestrial globe frame and support therefor. Des. 84,903; Aug. 18.
Schulse, Herman E., Wilmington, Del., assignor to Uniclox Corporation. Combined terrestrial globe frame and support therefor. Des. 85,206; Sept. 22.
Schulse, Herman E., Wilmington, Del., assignor to Uniclox Corporation. Combined terrestrial globe frame, clock casing and support therefor. Des. 85,207; Sept. 22.
Schulse, Herman E., New York, N. Y., assignor to H. E. Schulse Inc. Shoe shining installation and the elements thereof. 1,828,820; Oct. 27.
Schulstadt, Hugo G., Maplewood, N. J. Adjustable prop. 1,820,950; Sept. 1.
Schulte, Fritz, Hillside, assignor to M. C. Edge Jewelry Co., Newark, N. J., Pendant. Des. 83,702; Mar. 17.
Schulte, Johannes, Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Settling tank. 1,825,550; Sept. 29.
Schulte, Louis. Pittsburgh, Pa. Plating aluminum. 1,791,642; Feb. 10.
Schulte, Walter B., assignor to Burgess Battery Company, Madison, Wis. Hand lantern. Des. 85,115; Sept. 15.
Schulte, William H., Trenton, N. J. Flush valve. 1,799,766; Apr. 7.
Schulthess, Ernest, South Orange, N. J. Oil hose. 1,810,032; June 16.
Schultis, Carl. (See Kalischer, G., and Schultis.)
Schultis, Charles F., Cleveland, Ohio. Waste and overflow fittings for lavatory wash basins, bathtubs, kitchen sinks, and the like. 1,821,584; Sept. 1.
Schultis, Charles F., assignor to The Simplex Copper Joint Company, Cleveland, Ohio. Pipe coupling and forming the same. 1,804,814; May 12.
Schultis, Charles F., assignor to The Simplex Copper Joint Company, Cleveland, Ohio. Machine for deforming pipes. 1,804,815; May 12.
Schultte, Johann, Lichterfelde-Ost, near Berlin, Germany. Driving gear for airships of the rigid type. 1,809,220; June 9.
Schultz, Alfred. (See Blank, A. D., Kohman, and Schultz.)
Schultz, Alfred. (See Frey, C. N., Schultz, and Harrison.)
Schultz, Alfred W., Waterloo, assignor to The Zeidler Concrete Products Machinery Company Waterloo, Iowa. Tile-making machine. 1,788,638; Jan. 13.
Schultz, Alfred W., Waterloo, Iowa, assignor to Zeidler Concrete Products Machinery Company, St. Joseph, Mo. Machine for constructing concrete pipe. 1,813,772; July 7.
Schultz, Arnold L., Portland, Oreg. Model aeroplane. 1,808,686; June 2.
Schultz, Carl G., El Reno, Okla. Feed-water heater. 1,789,501; Jan. 20.
Schultz, Charles R., Menahga, Minn., assignor of one-half to O. L. Back. Aeroplane propeller. 1,790,844; Feb. 3.
Schultz, Edward, Chicago, Ill. Tobacco ash receptacle. Des. 85,117; Sept. 15.
Schultz, Edward, Chicago, Ill. Tobacco ash receptacle. Des. 85,208; Sept. 22.
Schultz, Edward, Chicago, Ill. Ash receptacle. 1,800,665; Apr. 14.
Schultz, Edward, Chicago, Ill. Vending machine. 1,808,937; June 9.
Schultz, Edward, assignor to The Nagel-Chase Manufacturing Company, Chicago, Ill. Double pulley. 1,800,664; Apr. 14.
Schultz, Edward F., Chicago, Ill. Canopy for funerals. Des. 84,168; May 12.
Schultz, Ernest L., Erwinna, Pa. Broken-circuit indicator. 1,788,597; Jan. 13.
Schultz, Erwin L., and F. Hallisch, Thiensville, Wis. Agricultural implement. 1,831,511; Nov. 10.
Schultz, Eugene V., Bowbells, N. Dak. Greasing device. 1,787,999; Jan. 6.
Schultz, Ferd, and R. Kuntz, Juneau, Wis. Highway marker. 1,807,015; May 26.
Schultz, George W., Davenport, Wash. Snowplow. 1,822,545; Sept. 8.
Schultz, H., & Company. (See Tacke, Louis, assignor.)
Schultz, Henry, Youngstown, Ohio. Battery pliers. 1,792,400; Feb. 10.
Schultz, Herman, Racine, Wis. Pencil sharpener. 1,790,558; Jan. 27.
Schultz, James A. (See Schultz, William and J. A.)
Schultz, Johann B., Glauchau, Germany. Shuttle picker. 1,826,484; Oct. 6.
Schultz, John, Cleveland, Ohio. Ice cream cutting machine. 1,833,266; Nov. 24.
Schultz, John E. (See Branson, Russell W., assignor.)
Schultz, John F., Walton, Nebr. Device for adjusting cultivator shields. 1,789,780; Jan. 20.
Schultz, John F., Ashkum, assignor of one-half to E. H. Harford, Piper City, Ill. Wagon hitch. 1,832,053; Nov. 17.
Schultz, John L., assignor to American Engineering Company, Philadelphia, Pa. Rotary crusher. 1,798,000; Mar. 24.
Schultz, Joseph, Cleveland, Ohio. Dampening device. 1,812,720; June 30.
Schultz, Oscar, Hamburg, Germany. Rudder arrangement for ships. 1,809,184; June 9.
Schultz, Peter P., assignor of one-half to L. Gropp, Buffalo, N. Y. Lighting fixture or the like. Des. 83,471; Feb. 24.
Schultz, Roy M., assignor to Cook Electric Company, Chicago, Ill. Draft controller. 1,816,027; July 28.
Schultz, Vilas W., St. Paul, Minn. Harness for live bait. 1,796,877; Mar. 17.
Schultz, William and J. A., Jonesboro, Ark. Spot board. 1,801,112; Apr. 14.
Schultz, William J., and R. S. Stevick, assignors to Firth-Sterling Steel Company, McKeesport, Pa. Apparatus for shearing flanges from ingots. 1,823,991; Sept. 22.
Schultze, A., & Co., Oelfabrik, et al. (See Schultze, Willi, assignor.)
Schultze, Benno E. (See Tauscher, A. E., and Schultze.)
Schultze, Charles E., Denver, Colo. Dental instrument. 1,821,079; Sept. 1.
Schultze, Max F., Mandan, N. Dak. Aeroplane. 1,819,794; Aug. 18.
Schultze, Willi, Halle-on-the-Salle, Germany. Treating talloel. 1,826,224; Oct. 6.
Schultze, Willi, assignor to A. Schultze & Co. Oelfabrik, Halle-on-the-Salle, Germany, and H. Schubert, Textilwerke, Zittau in Saxony, Germany. Refining natural and artificial resin. 1,793,967; Feb. 24.
Schulz, Arthur P. (See Teller, J., and Schulz.)
Schulz, Arthur P. (See Teller, J., and Schulz, assignors.)
Schulz, Edwin M., assignor to Durium Products Corporation, New York, N. Y. Treating paper phonograph blanks. 1,822,508; Sept. 8.
Schulz, George W., Cleveland, Ohio, assignor to Yawman & Erbe Manufacturing Co., Rochester, N. Y. Extensible desk top. 1,805,890; May 19.
Schulz, John C., Chicago, Ill., assignor to Eastman Kodak Company, Rochester, N. Y. Picture holding device for album leaves. 1,832,249; Nov. 17.
Schulz, Leo, Los Angeles, Calif. Device for inserting and removing electric lamps to and from sockets. 1,823,170; Sept. 15.
Schulz, Max F., Chicago, Ill. Garden tool. 1,798,036; Mar. 24.
Schulz, Paul H., Moline, Ill. Record changing mechanism. 1,807,073; May 26.
Schulz, Walter, and H. Hoffman, Sydowsaüe, near Stetting, Germany, assignor, by mesne assignments, to American Glanzstoff Corporation, New York, N. Y. Working up of centrifuge silk. 1,829,190; Oct. 27.

Schulz, Walter, and H. Hoffmann, Sydowsaue, near Stettin, Germany, assignors, by mesne assignments, to American Glanzstoff Corporation, New York, N. Y. Handling spun cakes for transport. 1,835,904; Dec. 8.
Schulze, Alfred L., Houston, Tex. Sad iron holder. 1,805,015; May 12.
Schulze, Erich, Magdeburg-Hopfengarten, assignor to the firm Fried. Krupp Grusonwerke Aktiengesellschaft, Magdeburg-Buckau, Germany. Rotary tubular furnace. 1,787,841; Jan. 6.
Schulze, John C., Croton-on-Hudson, N. Y., and G. W. Egerer, Westwood, N. J. Reenforced concrete pipes and the like. 1,827,620; Oct. 13.
Schulze, Max, Hammerhohle, Germany, assignor to Mercedes Büro-Maschinen- und Waffen-Werke, Thuringia, Post Mehlis, Germany. Typewriting machine with power drives. 1,789,661; Jan. 20.
Schulze, Rudolf. (See Suchy, R., and Schulze.)
Schulze, William H., assignor to Stewart-Warner Corporation, Chicago, Ill. Vacuum tank. 1,799,195; Apr. 7.
Schulze, William H., assignor to Stewart-Warner Corporation, Chicago, Ill. Vacuum tank. 1,799,196; Apr. 7.
Schulze, William H., assignor to Stewart-Warner Corporation, Chicago, Ill. Separable shaft and gear. 1,803,136; Apr. 28.
Schulze, William H., assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel pump. 1,806,268; May 19.
Schulzke, Richard F., Portland, Oreg. Stepladder. 1,801,211; Apr. 14.
Schulzke, Richard F., Portland, Oreg. Ironing table. 1,810,407; June 16.
Schulzke, Richard F., and D. L. Hamilton, Portland, Oreg. Necktie press. 1,807,259; May 26.
Schumacher, Albert H., Passaic, N. J. Rotary cloth press. 1,825,757; Oct. 6.
Schumacher, Charles B., Pittsburgh, Pa. Dry closet. 1,818,586; Aug. 11.
Schumacher, Charles B., Pittsburgh, Pa. Aeroplane landing gear. 1,834,427; Dec. 1.
Schumacher, Conrad. (See Gaisman, H. J., and Schumacher.)
Schumacher, Conrad, Lynbrook, N. Y., assignor to Autostrop Patents Corporation, Dover, Del. Metal treating apparatus. 1,817,902; Aug. 4.
Schumacher, Conrad, Lynbrook, N. Y., assignor by mesne assignments, to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,832,834; Nov. 17.
Schumacher, Ernst, assignor to Frankfurter Gasgesellschaft, Frankfort-on-the-Main, Germany. Utilization of the heat of incandescent coke or the like material. 1,836,402; Dec. 15.
Schumacher, Erwin A. (See Heise, G. W., and Schumacher.)
Schumacher, Heinrich, assignor of one-half to K. Könneker, Hanover, Germany. Bandlike calendar. 1,792,609; Feb. 17.
Schumacher, Herman O. (See Metler, W. S., and Schumacher.)
Schumacher, John C., assignor to The Dayton Mfg. Company, Dayton, Ohio. Double-pan hopper and valve. 1,789,844; Jan. 20.
Schumacher, Paul, Magdeburg, Germany. Apparatus for dyeing paper and cardboard during the manufacture on paper making machines. 1,823,845; Sept. 15.
Schumacker, Antone, Chicago, Ill. Thread cutting machine. 1,804,708; May 12.
Schumaker, Charles F., Syracuse, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Bleaching soap. 1,788,848; Jan. 13.
Schumann, Alfred F., Baltimore, Md., assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Railway switch heating system. 1,803,358; May 5.
Schumann Piano Company. (See Holmberg, Gus E., assignor.)
Schumann, Robert N., Madison, Wis. Concrete railroad tie. 1,833,375; Nov. 24.
Schumann, William A., and J. M. Hughes, Watertown, Wis. Thread lubricator. 1,835,435; Dec. 8.
Schünemann, Emil, Hamburg, Germany. Device for increasing the water circulation and for decreasing boiler resistances to flow in central heating plants. 1,824,574; Sept. 22.
Schünemann, Heinrich, Berlin-Spandau, assignor to Neuerburg'sche Verwaltungsgesellschaft m. b. H., Cologne-on-the-Rhine, Germany. Machine for fixing tubular mouthpieces to cigarettes. 1,830,446; Nov. 3.
Schünemann, Julius, Bad Homburg, assignor to Hartmann & Braun Aktiengesellschaft, Frankfort-on-the-Main, West, Germany. Radiant reading pyrometer. 1,788,849; Jan. 13.
Schupp, Alfred B., Richmond Hill, assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Material injector. 1,795,236; Mar. 3.
Schupp, Alfred F., Joliet, Ill. Rail tie plate. 1,817,849; Aug. 4.
Schupp, Arthur A., assignor to Fredericksen Company, Saginaw, Mich. Securing antifriction pads to leaf springs. 1,808,822; June 9.
Schur, Milton. (See Richter, G. A., Schur, and Rasch.)
Schur, Milton O. (See Richter, G. A., and Schur.)
Schur, Milton O., assignor to Brown Company, Berlin, N. H. Valve. 1,790,845; Feb. 3.
Schur, Milton O., assignor to Brown Company, Berlin, N. H. Manufacture of impregnated fiber articles. 1,803,409; May 5.
Schur, Milton O., assignor to Brown Company, Berlin, N. H. Manufacture of pulp articles. 1,803,410; May 5.
Schur, Milton O., assignor to Brown Company, Berlin, N. H. Mask for cylinder molds. 1,805,499; May 19.
Schur, Milton O., assignor to Brown Company, Berlin, N. H. Consistency regulator. 1,838,710; Dec. 29.
Schur, Milton O., and R. A. Webber, assignors to Brown Company, Berlin, N. H. Cellulose derivative manufacture. 1,806,421; May 19.
Schur, Milton O., and E. P. Cook, assignors to Brown Company, Berlin, N. H. Metering apparatus. 1,811,898; June 30.
Schur, Milton O., and B. G. Hoos, assignors to Brown Company, Berlin, N. H. Art of preparing nitrocelluloses and raw material therefor. 1,833,955; Dec. 1.
Schürer, Eugen, assignor to Felten & Gilleaume Carlswerk Aktiengesellschaft, Cologne-Mulheim, Germany. Coil-junction-box for submarine cables. 1,819,128; Aug. 18.
Schuricht, Alfrons G., Alton, assignor to Western Cartridge Company, East Alton, Ill. Cartridge shell and making the same. 1,802,188; Apr. 21.
Schurig, Arthur, assignor to Gesellschaft für Forderaulagen Ernst Heckel mit beschränkter Haftung, Saarbrucken, Germany. Driving pulley for ropes or chains provided with gripping jaws. 1,835,972; Dec. 8.
Schurig, Otto R., Schenectady, N. Y., assignor to General Electric Company. Resistor. 1,807,441; May 26.
Schurman, John, Highland Park, Mich. Roof sump. 1,791,512; Feb. 10.
Schürmann, Julius, Berlin-Zehlendorf, assignor to the Firm Fabrik Elektrischer Zunder G. m. b. H., Cologne-Niehl, Germany. Electric blasting fuse. 1,836,291; Dec. 15.
Schurmann, William A., Chicago, Ill. Combination mirror and electric lamp. Des. 85,668; Dec. 1.
Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Truing and positioning device for grinding wheels. 1,810,408; June 16.
Schurr, Charles H., assignor to The Less-Bradner Company, Cleveland, Ohio. Machine for profiling gear teeth. 1,832,507; Nov. 17.
Schurtz, Ralph E., Kansas City, Mo. Refrigerating system. 1,796,410; Mar. 17.
Schussler Tobacco Machine Co. Inc., The. (See Schussler, Walter H., assignor.)
Schussler, Walter H., assignor to The Schussler Tobacco Machine Co. Inc., Philadelphia, Pa. Cigar-bunching machine. 1,798,636; Mar. 31.
Schussler, Walter H., assignor to The Schussler Tobacco Machine Co. Inc., Philadelphia, Pa. Cigar blending and bunching machine. 1,799,128; Mar. 31.
Schussler, Walter H., Philadelphia, Pa., assignor, by mesne assignments, to International Cigar Machinery Company. Cross-feed mechanism. 1,838,115; Dec. 29.
Schuster, Carl, Pittsburgh, Pa. Knife blade switch and making the same. 1,826,225; Oct. 6.
Schuster, Curt. (See Günther, F., Hopff, and Schuster.)
Schuster, Curt. (See Meyer, K. H., and Schuster.)
Schuster, Ernst, Bremen, Germany. Vacuum evaporating apparatus. 1,821,278; Sept. 1.
Schuster, Martin B., trustee. (See Darlington, Homer T., assignor.)
Schuster, Nicholas, Buffalo, N. Y. Child's vehicle. 1,790,026; Jan. 27.
Schuster, Otto P., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Controller drum. 1,804,647; May 12.
Schutt, Emmett J., Ramsey, N .J., assignor to Outlet Industries Inc., Buffalo, N. Y. Wall or floor receptacle. 1,825,638; Sept. 29.
Schutt, Theodore H., Cleveland, Ohio. Liquid dispensing pump. 1,809,814; June 9.
Schutte, August E., Northboro, Mass. Making concrete piles. 1,788,748; Jan. 13.
Schutte, August E., Northboro, Mass. Waterproofing piles. 1,809,359; June 9.
Schutte, August E., Northboro, Mass. Concrete piles and similar structure. 1,809,360; June 9.
Schutte, August E., Northboro, Mass., assignor to Warren Brothers Company. Forming concrete structural units. 1,826,529; Oct. 6.
Schutte, Charles F., Buffalo, N. Y. Hammer mill. 1,821,482; Sept. 1.
Schutte, Firm Alfred H. (See Schaerer O., and Poppensieker, assignors.)
Schutte, Junius M., assignor to The Aero Model Company, Chicago, Ill. Aerial toy. Des. 84,108; May 5.
Schutte and Koerting Company. (See Fischer, Adalbert K., assignor.)
Schutte and Koerting Company. (See Ketterer, Sigmund G., assignor.)
Schutte and Koerting Company. (See Knauf, Paul W., assignor.)
Schutte and Koerting Company. (See Muhleisen, Karl, assignor.)
Schutte and Koerting Company. (See von Brockdorff, Rudolf, assignor.)
Schütz, Fritz. (See Jaeck, O., and Schütz.)
Schutz, Harry H., Houston, Tex. Cooling device. 1,831,825; Nov. 17.
Schutz-O'Neill Co. (See O'Neill, Benjamin A., assignor.)
Schuyler, Edward, Syracuse, N. Y. Automatic reminder. 1,802,674; Apr. 28.

Schuyler, Frank B., deceased, late of Berkeley, by The Johnson Washer Company, assignee, Oakland, Calif., and Cleveland, Ohio, assignor, by mesne assignments, to The Johnson Washer Company. Driving mechanism for washing machines. Re18,010; Mar. 24.
Schuyler, Robert J., Duncan, assignor to F. Shipley, Lawton, Okla. Self adjusting and expanding plug for wells and the like. 1,828,381; Oct. 20.
Schwaar, René, Bienne Switzerland. Device for adjusting the pallet stones in escapement levers. 1,824,691; Sept. 22.
Schwaar, René, Bienne, Switzerland. Machine for finishing the pallets of watch movements. 1,831,972; Nov. 17.
Schwaar, René, Bienne, Switzerland. Method and device for finishing the inner edges of the notches of pallets of watch movements. 1,831,973; Nov. 17.
Schwab, Henry. (See Jones, F., Schwab, and Skinner.)
Schwab, Jules, New York, N. Y. Bracelet. Des. 84,000; Apr. 21.
Schwab, Jules, New York, N. Y. Necklace. Des. 84,303; June 2.
Schwabacher, Sam I., San Francisco, Calif. Wave motor. 1,811,565; June 23.
Schwabe, Joseph L., jr., Milwaukee, Wis. Surface dressing machine. 1,818,361; Aug. 11.
Schwaebel, Georg. (See Schleicher, F., Schwaeber, and Briesewitz.)
Schwaerzer, Max, assignor, by mesne assignments, to M. Mirkin, E. A. Fitter, and R. G. Morris, New York, N. Y. Apparatus for forming sheet metal articles. 1,838,061; Dec. 22.
Schwager, Henry A., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Two shoe brake mechanism. 1,837,681; Dec. 22.
Schwalbach, Alfons P., Elderon, Wis. Heater. 1,817,850; Aug. 4.
Schwalbach, Louis C., Milwaukee, Wis. Receptacle and cover. 1,803,137; Apr. 28.
Schwalbe, Franz G. (See Batchell, G. W., and Schwalbe.)
Schwalge, William, Elmhurst, Ill. Apparatus for reclaiming lubricating oils. 1,834,654; Dec. 1.
Schwan, Werner, Dallas, Tex. Gas burner. 1,807,092; May 26.
Schwantes, Paul C., jr. (See McDavitt, M. B., and Schwantes.)
Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 83,013; Jan. 6.
Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 83,014; Jan. 6.
Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 83,015; Jan. 6.
Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 83,016; Jan. 6.
Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 84,109; May 5.
Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 84,110; May 5.
Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 84,111; May 5.
Schwartz, Allie J., Fowler, Kans. Wire stretcher. 1,794,488; Mar. 3.
Schwartz Bros. Dental Laboratory Company. (See Schwartz, Eli P., assignor.)
Schwartz, Eli P., assignor to Schwartz Bros. Dental Laboratory Company, St. Louis, Mo. Tooth crown and forming and applying the same. 1,803,680; May 5.
Schwartz, Eugene, assignor to Ketterlinus Lithographic Mfg. Co., Philadelphia, Pa. Cardboard display device. 1,793,563; Feb. 24.
Schwartz, Francis H., Linden, assignor to Soss Manufacturing Company, Roselle, N. J. Hinge. Des. 83,888; Apr. 7.
Schwartz, Frank Q., Detroit, Mich. Making lock washers. 1,807,258; May 26.
Schwartz, George L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Felted-cellulose-fiber products. 1,791,248; Feb. 3.
Schwartz, Henry, Chicago, Ill. Container. 1,810,626; June 16.
Schwartz, Henry, assignor to Barrel Fitting and Seal Corporation of America, Chicago, Ill. Bushing structure. 1,822,144; Sept. 8.
Schwartz, Henry, assignor to Barrel Fitting and Seal Corporation of America, Chicago, Ill. Bushing structure and sealing means therefor. 1,838,042; Dec. 22.
Schwartz, Henry L., C. A. Quast, and L. Spitz, Milwaukee, Wis. Door spring. 1,811,653; June 23.
Schwartz, Herman, assignor to Apaca Knitting Mills, Philadelphia, Pa. Collar for sweaters and making the same. 1,788,850; Jan. 13.
Schwartz, Jacob, assignor to American Art Wood Products Corp., Terre Haute, Ind. Lamp or analogous article. Des. 85,716; Dec. 8.
Schwartz, Karl, Rostock, Germany. Boat closet. 1,822,319; Sept. 8.
Schwartz, Kevie W., assignor, by mesne assignments, to United Chromium, Incorporated, New York, N. Y. Process and apparatus for electroplating. 1,794,487; Mar. 3.
Schwartz, Meyer, St. Louis, Mo. Curtain rod. 1,837,340; Dec. 22.
Schwartz, Michael, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Intercepting trunk system. Re18,038; Apr. 7.
Schwartz, Michael, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Multioffice automatic telephone system. Re18,113; June 23.
Schwartz, Michael, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Traffic recorder for telephone systems. 1,817,324; Aug. 4.
Schwartz, Mike, Cleveland, Ohio. Ash tray. 1,805,016; May 12.
Schwartz, Morris, Chicago, Ill. Electric current conducting bond. 1,827,337; Oct. 13.
Schwartz, Nathan, et al. (See Gentile, Marino, assignor.)
Schwartz, Raymon, et al. (See Moise, Harmon D., assignor.)
Schwartz, Robert A., Cleveland, Ohio. Expanding running board rack. 1,831,266; Nov. 10.
Schwartz, Roy H., Cleveland, Ohio. Window cleaner. 1,838,158; Dec. 29.
Schwartz, Rudolph L., and W. P. Martin, assignors to Martin & Schwartz, Inc., Buffalo, N. Y. Changeable sign. 1,790,598; Jan. 27.
Schwartz, Samuel, Albany, N. Y. Fabric. Re18,241; Nov. 3.
Schwartz, Samuel, Albany, N. Y., assignor to Si-Wo Corporation. Necktie. Re18,222; Oct. 6.
Schwartz, Samuel, Albany, N. Y. Fabric. 1,794,554; Mar. 3.
Schwartz, Samuel, Cleveland, Ohio. Advertising sign. 1,807,442; May 26.
Schwartzel, Gustav A., St. Louis, Mo. Book hanger. 1,829,911; Nov. 3.
Schwarz, Adolf. (See Lautenschläger, C. L., Bockmühl, Ehrhart, and Schwarz.)
Schwarz, Alfred, Montclair, N.J. Extracting a metal from its ore. 1,814,062; July 14.
Schwarz, Alfred, Montclair, N. J., assignor, by mesne assignments, to Holloyt Motors Corporation, New York, N. Y. Art of internal-combustion engines. 1,794,799; Mar. 3.
Schwarz, Alfred, Upper Montclair, N. J. Safety razor. 1,816,404; July 28.
Schwarz, Alfred, Upper Montclair, N. J., assignor, by mesne assignments, to Holloyt Motors Corporation, New York, N. Y. Internal combustion engine. 1,835,096; Dec. 8.
Schwarz, August, assignor to the firm; J. S. Staedtler, Nuremberg, Germany. Decorating lead pencils. 1,829,115; Oct. 27.
Schwarz, Carl, assignor of one-half to F. A. Duckett, Philadelphia, Pa. Wheel. 1,789,084; Jan. 13.
Schwarz, Carl, and P. Panhorst, Philadelphia, Pa. Adjustable form for making paper boxes. 1,826,260; Oct. 6.
Schwarz, Constantine P., Plzen, Czechoslovakia. Furniture. 1,800,847; Apr. 14.
Schwarz, Friedrich, Hamburg, Germany. Internal-combustion engine. 1,798,037; Mar. 24.
Schwarz, Georg, Vienna, Austria. Method of and apparatus for producing photographic silver salt emulsions. 1,801,784; Apr. 21.
Schwarz, Heinrich, Lazy, Czechoslovakia. Coke-oven door. 1,795,515; Mar. 10.
Schwarz, Julius, Budapest, Hungary. Tipped laces. 1,814,859; July 14.
Schwarz, Louis H., assignor to The L. S. Bait Company, Detroit, Mich. Spinner for trolling. 1,831,267; Nov. 10.
Schwarz-Presse, Aktiengesellschaft. (See Trutzel, Albert, assignor.)
Schwarz, Richard E., Royal Oak, and G. A. Matthews, Detroit, Mich. Electric switch. 1,826,370; Oct. 6.
Schwarz, Rudolph J., assignor to American Standard Watchcase Company, Providence, R. I. Watch. 1,828,686; Oct. 20.
Schwarz, Rudolph J., assignor to American Standard Watchcase Company, Providence, R. I. Watch. 1,828,687; Oct. 20.
Schwarz, Theo., Gomez Palacio, Mexico, assignor to Wurster & Sanger, Inc., Chicago, Ill. Treating glycerine liquors. 1,824,507; Sept. 22.
Schwarz, Vincent. (See Jakopec, G., Salley, and Schwarz.)
Schwarzaldwerke Lanz, G. m. b. H. (See Röhl, Hans, assignor.)
Schwarze, Herman, Birmingham, assignor to General Motors Corporation, Detroit, Mich. Distributor mounting. 1,803,948; May 5.
Schwarze, Herman, Pontiac, assignor to General Motors Corporation, Detroit, Mich. Method and apparatus for operating an internal combustion engine. 1,828,447; Oct. 20.
Schwarze, Paul, Munich-Isarhohe, Germany. Detachable head for the free ends of laces. 1,823,412; Sept. 15.
Schwarzenzer, Alex, Erin Township, Macomb County, assignor to A. H. Hiller and M. Hiller, Detroit, Mich. Piston ring. 1,794,486; Mar. 3.
Schwarzhaupt, Paul J., Scotia, N. Y., assignor to General Electric Company. Phonograph record disk. 1,821,851; Sept. 1.
Schwarzkopf, Arthur R., assignor to Theo. A. Kochs Company, Chicago, Ill. Hydraulic raising and lowering mechanism for chair seats. 1,806,713; May 26.
Schwarzkopf, Arthur R., and R. R. Wagner, assignors to Theo. A. Kochs Company, Chicago, Ill. Barbers' pole. 1,795,800; Mar. 10.

Schwarzkopf, Kurt, Tempelhof, near Berlin, Germany. Pulverulent preparation for the production of a rinsing liquid for the after treatment of washed animal fibers, woolen or silken fabrics, and especially the hair of the head. 1,811,809; June 23.

Schwarzkopf, Paul, Berlin-Halensee, Germany. Production of chemically-pure tungsten trioxide. 1,800,758; Apr. 14.

Schwarzkopf, Paul, Berlin, Germany, assignor to American Electro Metal Corporation, New York, N. Y. Preparation of chemically pure tungsten and molybdenum trioxide. 1,815,132; July 21.

Schwedler, Gustave H., Kansas City, Mo. Thermostatic device. 1,803,565; May 5.

Schweer, Hulda M., New York, N. Y. Textile fabric or similar article of manufacture. Des. 83,132; Jan. 20.

Schweer, John H., Long Beach, Calif. Tube holder. 1,805,420; May 12.

Schweering, Ernest H. (See Freeman, W. R., and Schweering.)

Schwegler, Siegfried J., Buffalo, N. Y. Prepayment meter. 1,833,724; Nov. 24.

Schweickart, William M., Ramsey, N. J., assignor to Automatic Coal Burner Company, Seattle, Wash. Coal conveyor. 1,828,984; Oct. 27.

Schweiger, Bruno, Lipinki K/Bieca Zach Malopolska, Poland. Device for raising fluids from boreholes. 1,805,377; May 12.

Schweiger, John F., Flora, Ind. Fountain pen. 1,811,763; June 23.

Schweigert, Frederick, New York, N. Y. Wrench. 1,805,298; May 12.

Schweigert, Frederick, New York, N. Y. Interchangeable hammer. 1,807,347; May 26.

Schweiker, Roy W., Lansdale, Pa. Shade holder for lighting fixtures. 1,801,113; Apr. 14.

Schweiker, Roy W., Lansdale, Pa. Side wall lighting fixture. 1,814,229; July 14.

Schweinert, Maximilian C., New York, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Combined dust cap and valve cap. 1,792,659; Feb. 17.

Schweisthal, Fred G., assignor to Stewart-Warner Corporation, Chicago, Ill. Vapor and pressure trapping dome for fuel pumps. 1,809,394; June 9.

Schweisthal, Fred G., assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel pumping device for internal combustion engines. 1,834,977; Dec. 8.

Schweitzer & Conrad, Inc. (See Conrad, Nicholas J., assignor.)

Schweitzer, Edmund O., Chicago, Ill. Treating acoustical members and the article produced thereby. 1,836,089; Dec. 15.

Schweitzer, Hugo. (See Huismann, J., Schweitzer, and Stüsser.)

Schweitzer, Hugo, Wiesdorf-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azodyestuffs containing chromium and process of making. 1,794,252; Feb. 24.

Schweitzer, Hugo, Wiesdorf-on-the-Rhine, Germany, assignor to General Aniline Works Inc., New York, N. Y. The manufacture of 2-aminonaphthalene-3-carboxylic acid. 1,806,714; May 26.

Schweitzer, Louis P., New York, N. Y. Manufacturing paper. 1,789,452; Jan. 20.

Schweitzer, Louis P., New York, N. Y. Method and apparatus for regulating traveling webs. 1,791,288; Feb. 3.

Schweitzer, Wilhelm, Duisburg, Germany. Electric switching apparatus. 1,804,063; May 5.

Schweitzer, William K., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Zinc-chloride-base flux. 1,800,477; Apr. 14.

Schweitzer, William P., Hillside, N. J. Paper-making machine. 1,820,165; Aug. 25.

Schweiz. Wagons- & Aufzugefabrik A. G. Schlieren-Zurich. (See Koch, J., and Kliesch, assignors.)

Schweizer, Lilly, New York, N. Y. Garment supporter. 1,816,656; July 28.

Schwemlein, William, assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Brace means for tug rims and hand wheels. 1,822,826; Sept. 8.

Schwemlein, William, assignor to The Parkersburg Rig and Reel Company, Parkersburg, W. Va. Rocker bearing for walking beams. 1,825,096; Sept. 29.

Schwender, Wilhelm A., St. Louis, Mo. Air washing and tempering machine. 1,827,768; Oct. 20.

Schwendner, Anthony F. (See Bryant, O. N., and Schwendner.)

Schwendner, Anthony F., Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governing mechanism. 1,791,249; Feb. 3.

Schwendner, Anthony F., Essington, and J. S. Myers, deceased, Philadelphia, by G. L. Myers, executrix, Philadelphia, Pa., assignors to Westinghouse Electric & Manufacturing Company. Fluid-pressure governing system. 1,793,514; Feb. 24.

Schwenk, Erwin. (See Schoeller, W., Jordan, Schwenk, and Borgwardt.)

Schwenk, Erwin, Berlin-Reinickendorf, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New azodyestuffs and making same. 1,836,403; Dec. 15.

Schwenke, Robert, Berlin-Charlottenburg, assignor to F. I. von Stieteneron, Welsede, Germany. Starting apparatus for motor vehicles with internal combustion engines. 1,822,673; Sept. 8.

Schwenker, Charles F., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,801,114; Apr. 14.

Schwennker, Charles F., Schenectady, N. Y., assignor to General Electric Company. Circuit controlling mechanism. 1,829,615; Oct. 27.

Schwentler, Francis E., St. Louis, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 1,805,637; May 19.

Schwerdtfeger, Walter, Rathenow, Germany. Centrifugal apparatus for purifying oil. 1,811,157; June 23.

Schwerdtfeger, Walter, Unterturkheim, Württemberg, assignor to Daimler-Motoren-Gesellschaft, Unterturkheim, Germany. Internal combustion engine and working the same. 1,826,638; Oct. 6.

Schwerin, Frank H., Bellevue, assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Pole-snubbing device. 1,798,955; Mar. 31.

Schwerin, Frank H., Bellevue, assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Screw jack. 1,837,137; Dec. 15.

Schweter, Erich, Bornstedt, Germany. Device for altering the clearance space in piston machines. 1,825,163; Sept. 29.

Schweyer, Daniel H., Easton, Pa. Air-brake apparatus. 1,787,554; Jan. 6.

Schweyer, Daniel H., Easton, Pa. Induction train control apparatus. 1,801,882; Apr. 21.

Schweyer, Daniel H., Easton, Pa. Train control apparatus. 1,852,327; Nov. 17.

Schwieger, Alfred, administrator. (See Schwieger, Charles.)

Schwieger, Charles, deceased, Lage, Germany, by A. Schwieger, administrator, San Francisco, Calif., assignor, by mesne assignments, to Schwieger Chemical Co. Manufacturing sugar. 1,815,276; July 21.

Schwieger Chemical Co. (See Schwieger, Charles, assignor.)

Schwier, William, Detroit, Mich. Carburetor. 1,833,863; Nov. 24.

Schwieter, Arthur, assignor to the Firm Maschinenfabrik Imperial G. m. b. H., Meissen, Germany. Revoluble drying drum. 1,792,935; Feb. 17.

Schwindt, Christian J. (See Daniels, L. C., and Schwindt.)

Schwindt, Christian J., assignor, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Crystalline organic compounds. 1,806,715; May 26.

Schwinn, Frank W., Chicago, Ill. Refrigerating apparatus. 1,838,872; Dec. 29.

Schwitzer-Cummins Company. (See Schwitzer, L., and Winkler, assignors.)

Schwitzer, Louis, and C. J. Winkler, assignors to Schwitzer-Cummins Company, Indianapolis, Ind. Water pump. 1,817,169; Aug. 4.

Schwob Freres & Cie. S. A. (See Vasticar, Henri, assignor.)

Schwob Freres & Cie, S. A. (See Verger, Georges A., assignor.)

Schwob Freres & Co., Societe Anonyme. (See Perrin, Samuel G., assignor.)

Schwob, Henri, New York, and J. M. Tripet, Brooklyn, assignors to Alleta Co. Inc., New York, N. Y. Dustproof watchcase with nonbreakable crystal. 1,838,790; Dec. 29.

Schylander, John F., Chicago, Ill. Spray. 1,787,998; Jan. 6.

Schylander, John F., Chicago, Ill. Spray. 1,809,073; June 9.

Schylander, John F., Chicago, Ill. Fastening device. 1,816,914; Aug. 4.

Schylander, John F., Chicago, Ill. Paint sprayer. 1,820,544; Aug. 25.

Sciacca, George. (See Villatore, J. E., and Anello, assignors.)

Sciallis, Jasper, Staten Island, N. Y. Extension former. 1,825,607; Sept. 29.

Scintilla A. G. (See Bohli, Jakob, assignor.)

Scintilla Aktiengesellschaft. (See Brodt, Hektor, assignor.)

Scintilla Magneto Company. (See Spengler, Walter J., assignor.)

Scism, John N., Hartford, Conn. Drop hammer. 1,810,536; June 16.

Scism, John N., Hartford, Conn. Drop hammer. 1,810,537; June 16.

Scism, John N., Wilkinsburg, Pa. Motor mounting. 1,810,538; June 16.

Scism, John N., Wilkinsburg, Pa. Sealing-off machine for glass objects. 1,827,914; Oct. 20.

Sciuto, Alfred F., St. Louis, Mo. Spark plug. 1,790,846; Feb. 3.

Sco Electrical Products Co., The. (See Cox, William E., assignor.)

Scoates, Daniels, College Station, Tex. Novelty map. 1,823,916; Sept. 22.

Scofield, Edgar, assignor to Anchor Cap & Closure Corporation, New York, N. Y. Screw cap. 1,787,959; Jan. 6.

Scofield, Edgar, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Hermetically-sealed package. 1,789,453; Jan. 20.

Scofield, Edgar, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Sealed package and parts thereof. 1,793,024; Feb. 17.
Scofield, Edgar, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Friction closure cap. 1,802,739; Apr. 28.
Scofield, Edgar, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Container. 1,810,734; June 16.
Scofield, Edward H., Minneapolis, Minn. Power transmission device. 1,819,626; Aug. 18.
Scofield, Mark S., Columbus, Ohio. Liquid agitator. 1,797,622; Mar. 24.
Scofield, Theodore J., assignor to The Sparks-Withington Company, Jackson, Mich. Signaling device. 1,789,948; Jan. 20.
Scofield, Theodore J., Jackson, Mich., assignor to The Sparks-Withington Company. Electrical transformer and inductance coil. 1,805,639; May 19.
Scofield, Theodore J., Jackson, Mich., assignor to The Sparks-Withington Company. Control knob for condensers. 1,815,165; July 21.
Scofield, Theodore J., Jackson, Mich., assignor to The Sparks-Withington Company. Bearing for electrical condensers. 1,824,304; Sept. 22.
Scofield, Theodore J., L. E. Johnson, F. W. Billig, and W. Sparks, assignors to The Sparks-Withington Company, Jackson, Mich. Signaling device. 1,788,350; Jan. 6.
Scofield, Theodore J., and L. E. Johnson, assignors to The Sparks-Withington Company, Jackson, Mich. Signaling device. 1,789,947; Jan. 20.
Scofield, Theodore J., and D. T. Owen, assignors to The Sparks-Withington Company, Jackson, Mich. Signaling device. Des. 83,133; Jan. 20.
Scofield, Theodore J., and G. A. White, assignors to The Sparks-Withington Company, Jackson, Mich. Projector for signaling device. 1,818,817; Aug. 11.
Scofield, Theodore J., G. A. White, and J. D. Hammond, Jackson, Mich., assignors to The Sparks-Withington Company. Radio coupling coil. 1,805,638; May 19.
Scoggins, Reb M., Shreveport, La. Pipe joint reamer. 1,829,458; Oct. 27.
Scognamillo, Salvatore, and P. Arndt, New York, N. Y. Electron discharge device. 1,820,836; Aug. 25.
Scoles, Arthur W., Kansas City, Mo. Striper. 1,830,860; Nov. 10.
Scott, Alexander C., Faversham, England. Prevention of caking of crystals, powders and the like. 1,811,699; June 23.
Scott, Allen N., Montreal West, Quebec, Canada. Vehicle chain. 1,824,633; Sept. 22.
Scott, Arnold W., Detroit, Mich. Valve and head construction. 1,798,855; Mar. 31.
Scott, Arthur, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Remote control for fluid motors. 1,824,058; Sept. 22.
Scott, Asa W., Indiana, Pa. Gasoline distributor. 1,788,337; Jan. 6.
Scott, Bernard H., Glendale, Calif. Drill stem. 1,818,508; Aug. 11.
Scott, Bernard H., Glendale, S. E. Ross, Long Beach, and N. J. Norris, Santa Fe Springs, assignors, by mesne assigments, to J. Grant, Los Angeles, Calif. Expansible underreamer. 1,796,543; Mar. 17.
Scott, Charles A. (See Tait, William and F., jr., and Scott.)
Scott, Chester A., Los Angeles, Calif. Forced feed pump hand oiler. 1,830,295; Nov. 3.
Scott, Clarence N., Houston, Tex. Internal combustion engine-operated locomotive. 1,812,834; June 30.
Scott, Clifford E., assignor to McQuay Radiator Corporation, Minneapolis, Minn. Heat-exchange device. 1,788,068; Jan. 6.
Scott, Creston W., Springfield, assignor to The Fiberloid Corporation, Indian Orchard, Mass. Forming inlays. 1,816,915; Aug. 4.
Scott, David J., et al., executors. (See Johansen, Samuel, assignor.)
Scott, Don O. (See Stone, Earl A., assignor.)
Scott, Donald M. (See Porter, H. F., and Scott.)
Scott, Dudley H., and H. D. Stoneback, assignors to The Humphrey Company, Cleveland, Ohio. Amusement device. 1,833,540; Nov. 24.
Scott, Edward G., Odell, Ill. Tire pump. 1,794,485; Mar. 3.
Scott, Elmer, Dayton, Ky. Refrigerating system. 1,828,877; Oct. 27.
Scott, Elmer R. (See Floyd, Alfred T., jr., assignor.)
Scott, Eric W. M. (See Biles, R. W., and Scott.)
Scott, Ernest B., deceased, Rhyl, North Wales, and J. H. Davies, London, England; A. L. Jones, executor. Apparatus for slicing meat and the like. 1,798,038; Mar. 24.
Scott, Ernest R., Oklahoma City, Okla. Collapsible auto canopy. 1,800,171; Apr. 7.
Scott and Fetzer Company, The. (See Pardee, Lloyd W., assignor.)
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Slow-operating valve. 1,790,769; Feb. 3.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Time-limit valve. 1,790,770; Feb. 3.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Drill cutter retaining means. 1,803,679; May 5.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Core bit plug. 1,803,731; May 5.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Core catcher for well drills. 1,808,009; June 2.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Drill cutter retaining ring. 1,809,074; June 9.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Core drill plug. 1,819,484; Aug. 18.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Core catcher. 1,830,681; Nov. 3.
Scott, Frank W., Kirkland, Ill. Sheep shears. 1,825,890; Oct. 6.
Scott, Frederick G., Quebec, Quebec, Canada. Amusement device. 1,794,036; Feb. 24.
Scott, Harry E., Cleveland Heights, assignor to The Thew Shovel Company, Lorain, Ohio. Dipper stick and boom structure. 1,803,075; Apr. 28.
Scott, Harry E., Cleveland Heights, assignor to The Thew Shovel Company, Lorain, Ohio. Turn table and truck travel lock. 1,836,190; Dec. 15.
Scott, Harry T., assignor of one-half to W. H. Dilks, Los Angeles, Calif. Lubricator. 1,814,970; July 14.
Scott, Henarie L., San Antonio, Tex. Heat controlling mechanism. 1,832,508; Nov. 17.
Scott, Henry D., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Apparatus for testing multiple welded pipe. 1,797,882; Mar. 24.
Scott, Henry P., Company, The. (See Bond, Samuel C., assignor.)
Scott, Henry P., Company, The. (See Bond, Samuel C., assignor.)
Scott, Herbert G., Whitestone Landing, assignor to Rosamund L. G. Scott, Whitestone Landing, N. Y. Tie form and holder. 1,811,097; June 23.
Scott, Hermon C., Pomeroy, Wash. Sack chute. 1,818,652; Aug. 11.
Scott, Irving G., and M. C. Fox, New York, N. Y. Flower stand. Des. 83,134; Jan. 20.
Scott, Irving G., and M. C. Fox, New York, N. Y. Flower stand. Des. 83,179; Jan. 27.
Scott, Irving G., and M. C. Fox, New York, N. Y. Flower stand. Des. 83,217; Feb. 3.
Scott, Irving G., and M. C. Fox, New York, N. Y. Flower stand. Des. 83,758; Mar. 24.
Scott, Irving G., and M. C. Fox, New York, N. Y. Flower stand. Des. 84,001; Apr. 21.
Scott, Irving G., and M. C. Fox, New York, N. Y. Wall pot holder. Des. 85,669; Dec. 1.
Scott, Isabella, et al., executors. (See Johansen, Samuel, assignor.)
Scott, James A., Somerville, Mass. Corrugated baking pan liner. 1,811,566; June 23.
Scott, James E., Stockholm, Saskatchewan, Canada. Window fastener. 1,823,957; Sept. 22.
Scott, James W., Los Angeles, Calif. Tire rasp. 1,832,509; Nov. 17.
Scott, John E., assignor to Allith-Prouty Company, Danville, Ill. Door construction. 1,812,120; June 30.
Scott, John E., Danville, Ill. Supporting means for doors. 1,820,200; Aug. 25.
Scott, John H., Toronto, Ontario, Canada. Fruit and vegetable stand. 1,802,579; Apr. 28.
Scott, John M. (See Dayton, William L., assignor.)
Scott, John W., Oakland, Calif. Paper vending machine. 1,836,044; Dec. 15.
Scott, Joseph E., Kiowa, Kans. Prophylactic brush. 1,823,128; Sept. 15.
Scott, Julian C., Midland, Tex. Rumble seat and rest. 1,816,937; Aug. 4.
Scott, Kenneth L., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling device. 1,831,037; Nov. 10.
Scott, Lester F., jr. (See Gant, H. A., and Tipton, assignors.)
Scott, Lewis L., St. Louis, Mo. Atomizer. 1,838,873; Dec. 29.
Scott, Lewis L., assignor to Electrol Incorporated, St. Louis, Mo. Ignition apparatus for oil burners. 1,835,097; Dec. 8.
Scott, Lewis L., assignor to Electrol, Inc., of Missouri, St. Louis, Mo. Electric control system for fuel oil burners. 1,836,939; Dec. 15.
Scott, Lyle B., Estelline, S. Dak. Brake for automobiles. 1,816,093; July 28.
Scott, Malcolm G., Los Angeles, Calif. Door operating mechanism for delivery trucks. 1,805,017; May 12.
Scott, Marie B., St. Louis, Mo. Suspenders. 1,821,239; Sept. 1.
Scott Paper Company. (See Liebeck, Harry, assignor.)
Scott Paper Company. (See Parsons, Philip C., assignor.)
Scott Paper Company. (See Parsons, Philip D., assignor.)
Scott Paper Company. (See Rhoads, R. E., and Parsons, assignors.)
Scott, Philip L., Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Injector. 1,816,157; July 28.
Scott, Ray W., et al. (See Scott, Ray W., assignor.)
Scott, Ray W., assignor to R. W. Scott and H. L. Twining a copartnership doing business as Twining-Scott, Los Angeles, Calif. Plug connecter. 1,830,247; Nov. 3.
Scott, Robert H. (See Shinn, E. W., Crowley, and Scott.)
Scott, Robert H. (See Shinn, E. W., and Scott.)

Scott, Robert W., Babylon, assignor to Scott and Williams Inc., New York, N. Y. Knit hosiery. 1,803,138; Apr 28.
Scott, Robert W., deceased, Babylon, N. Y., by C. B. Barnes, Hingham, Mass., C. J. McDermott, Brooklyn, N. Y., and H. G. Reynolds, Boston, Mass., executors, assignors to Scott & Williams, Incorporated, New York, N. Y. Knitted stocking and producing the same. 1,799,070; Mar. 31.
Scott, Rosamund L. G. (See Scott, Herbert G., assignor.)
Scott-Ross and Company. (See Yungling, Paul F., assignor.)
Scott, Semple S., and E. A. Turner, Kenilworth, Ill. Fender for vehicles. 1,798,278; Mar. 31.
Scott, Vernon A., Toronto, Ontario, Canada. Newspaper-vending machine. 1,794,208; Feb. 24.
Scott, Walter, deceased. (See Johansen, Samuel.)
Scott, Walter B., Marblehead, Mass. Toy golf player. Des. 83,759; Mar. 24.
Scott, Walter G. (See Aldrich, H. W., and Scott.)
Scott, Walter J., Woonsocket, R. I. Stop motion. 1,791,289; Feb. 3.
Scott, Walter J., Woonsocket, R. I. Stop motion. 1,791,290; Feb. 3.
Scott, Walter J., Woonsocket, R. I. Stop motion for drawing frames. 1,795,799; Mar. 10.
Scott, Walter M., et al. (See Barnhart, Job R., assignor.)
Scott, Walter M. (See Hood, L. N., and Scott.)
Scott, Walter R., Washington, Pa. Curtain and shade fixture. 1,805,926; May 19.
Scott-Weiss Steel Company. (See Barton, Francis M., assignor.)
Scott, William, Mount Vernon, Ohio. Check rower. 1,811,973; June 30.
Scott, William A., assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Latch structure. 1,802,784; Apr. 28.
Scott, William A., assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Latch device. 1,822,424; Sept. 8.
Scott, William B., assignor to Marchant's Foundry Co., Oakland, Calif. Molding apparatus. 1,806,000; May 19.
Scott, William C. (See Rogers, I. E., and Scott.)
Scott, William H., Rochester, N. Y. Filling and draining device. 1,826,829; Oct. 13.
Scott, William L. (See Cook, H. D., and Scott.)
Scott, William, Medford, assignor to Self Feeding Carburetor Company, Inc., Boston, Mass. Carburetor. 1,815,485; July 21.
Scott, William O., Walnut Park, Calif. Oil sand bit. 1,824,238; Sept. 22.
Scott, William P., assignor to Drayage Service Corporation, Oakland, Calif. Automobile truck. 1,821,327; Sept. 1.
Scott and Williams. (See Swinglehurst, Harry, assignor.)
Scott & Williams, Incorporated. (See Allen, John M., assignor.)
Scott & Williams, Incorporated. (See Guillemot, Robert, assignor.)
Scott & Williams, Incorporated. (See Nobst, G., and Ulbricht, assignors.)
Scott & Williams, Incorporated. (See Page, Albert E., assignor.)
Scott & Williams, Incorporated. (See Pons, John A., assignor.)
Scott and Williams, Inc. (See Scott, Robert W., assignor.)
Scott & Williams, Inc. (See Swinglehurst, Harry, assignor.)
Scott & Williams, Incorporated. (See Williams, Louis N. D., assignor.)
Scott and Williams, Inc. (See Wilson, Joseph H., assignor.)
Scott, Winfield, assignor to The Rubber Service Laboratories Co., Akron, Ohio. Rubber-vulcanization accelerator. 1,792,041; Feb. 10.
Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Age-resisting vulcanized rubber. 1,792,042; Feb. 10.
Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Vulcanization of rubber. 1,825,288; Sept. 29.
Scott, Winfield, Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Rubber vulcanization accelerator and preparing same. 1,832,328; Nov. 17.
Scott, Winfield, assignor to The Rubber Service Laboratories Company, Akron, Ohio. Vulcanization of rubber. 1,838,159; Dec. 29.
Scottish Dyes, Limited. (See Beckett, E. G., and Thomas, assignors.)
Scottish Dyes, Limited. (See Beckett, E. G., Harris, Wylam, and Thomas, assignors.)
Scottish Dyes, Limited. (See Drescher, H. A. E., Harris, Wylam, and Thomas, assignors.)
Scottish Dyes, Limited. (See Drescher, H. A. E., Smith, and Thomas, assignors.)
Scottish Dyes, Limited. (See Jones, J. I. M., and Kilby, assignor.)
Scottish Dyes, Limited. (See Morton, J., Jones, Wylam, and Harris, assignors.)
Scottish Dyes Limited. (See Smith, W., and Thomas, assignors.)
Scottish Dyes, Limited. (See Thomas, John, assignor.)
Scottish Dyes, Limited. (See Thomson, R. F., and Thomas, assignor.)
Scottish Dyes, Limited. (See White, Gerald N., assignor.)
Scottish Dyes, Limited. (See Wilson, J. S., Shearer, and Thomas, assignors.)
Scottish Dyes Limited. (See Woodcock, W. G., Drescher, Beckett, and Thomas, assignors.)
Scottish Farmers Corporation Limited. (See Brown, John, assignor.)
Scovel, John C., jr., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Refrigerating apparatus. 1,809,075; June 9.
Scovel, John C., jr., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Refrigerating apparatus. 1,831,468; Nov. 10.
Scovil, Cora L., New York, N. Y., assignor to Vazah, Inc. Doll. Des. 85,889; Dec. 29.
Scovil, Cora L., New York, N. Y., assignor to Vazah, Inc. Doll. Des. 85,890; Dec. 29.
Scovill Manufacturing Company. (See Bennett, Morris H. assignor.)
Scovill Manufacturing Company. (See Boden, George, assignor.)
Scovill Manufacturing Company. (See Chapman, Lyman B., assignor.)
Scovill Manufacturing Company. (See Clemmons, Herbert D., assignor.)
Scovill Manufacturing Company. (See Colina, William, assignor.)
Scovill Manufacturing Company. (See Cox, Nathan H., assignor.)
Scovill Manufacturing Company. (See Dews, Joseph W., assignor.)
Scovill Manufacturing Company. (See Fenton, Paul E., assignor.)
Scovill Manufacturing Company. (See George, James S., assignor.)
Scovill Manufacturing Company. (See George, J. S., and Sperry, assignors.)
Scovill Manufacturing Company. (See German, A. J., and Foley, assignors.)
Scovill Manufacturing Company. (See Goss, John H., assignor.)
Scovill Manufacturing Company. (See Holt, John E., assignor.)
Scovill Manufacturing Company. (See Janes, Edmund D., assignor.)
Scovill Manufacturing Company. (See King, George A., assignor.)
Scovill Manufacturing Company. (See McAtree, John L., assignor.)
Scovill Manufacturing Company. (See McCarthy, Henry J., assignor.)
Scovill Manufacturing Company. (See Moran, Joseph F., assignor.)
Scovill Manufacturing Company. (See Pasman, Abram N., assignor.)
Scovill Manufacturing Company. (See Patchen, Arthur D., assignor.)
Scoville Manufacturing Company. (See Price, William B., assignor.)
Scovill Manufacturing Company. (See Reutter, Philip A., assignor.)
Scovill Manufacturing Company. (See Ringenberg, Rudolph W., assignor.)
Scovill Manufacturing Company. (See Simons, Ernest D., assignor.)
Scovill Manufacturing Company. (See Summey, David L., assignor.)
Scovill Manufacturing Company. (See Tompkins, Emerson, assignor.)
Scovill Manufacturing Company. (See Veillette, Jeffrey, assignor.)
Scovill Manufacturing Company. (See Warner, Frank E., assignor.)
Scovill Manufacturing Company. (See Warner, F. E., and Fenton, assignors.)
Scovill Manufacturing Company. (See Wild, Henry W., assignor.)
Scovill Manufacturing Company. (See Westfall, William R., assignor.)
Scovill Manufacturing Company. (See Wolff, Joseph R., assignor.)
Scoyni, Antonio, New York, N. Y. Aeroplane parachute. 1,791,575; Feb. 10.
Scranton Glass Instrument Company. (See Myers, Max A., assignor.)
Scranton, J. P. (See Ricker, Norman H., assignor.)
Scranton Silk Machine Company. (See Lewis, Thomas, assignor.)
Scribner, George K., assignor to Boonton Molding Company, Boonton, N. J. Molded bottle cap. Des. 83,012; Jan. 6.
Scribner, Harold F., New York, N. Y. Locating device for plier punches. 1,804,648; May 12.
Scriven, Guy F., and L. H. Lippert, Sioux Falls, S. Dak. Bed tray. 1,823,214; Sept. 15.
Scruby, Horace F., Beverly Hills, Calif. Machine for truing brake band segments. 1,823,065; Sept. 15.
Scruggs, Frank A., Los Angeles, Calif. Molding machine. 1,805,018; May 12.
Scruggs, Ramon S., Los Angeles, Calif. Edible receptacle. 1,815,527; July 21.
Scudder, Charles J., Scranton, Pa. Locomotive driving box cellar. 1,813,712; July 7.

Scudder, Frederick J., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic telephone exchange system. 1,808,577; June 2.
Scudds. Francis M., Toronto, Ontario, Canada. Paper folding apparatus. 1,823,475; Sept. 15.
Scullen, Hugh J., Detroit, Mich., assignor to Copeland Products Inc. Refrigerating system. 1,815,383; July 21.
Scullin Steel Company. (See Chiles, George S., assignor.)
Scullin Steel Co. (See Dreibuss, H. C., and Chiles, assignors.)
Scullin Steel Co. (See McCullough, Paul J., assignor.)
Scully, Alexander D., New York, N. Y., assignor, by mesne assignments, to R. T. Tyner, jr., Allendale, N. J. Nest of chairs. 1,825,368; Sept. 29.
Scully Bros. Inc. (See Rodgers, Alfred A., assignor.)
Scully, John T., New York, N. Y. Dual arm rest. 1,802,620; Apr. 28.
Scully, John T., New York, N. Y. Safety razor. 1,822,379; Sept. 8.
Scurlock Gear Corporation. (See Fickett, Ernest L., assignor.)
Scurlock Gear Corporation. (See Fickett, E. L., Greene, Charushin, and Campbell, assignors.)
Scusa, Lino, Phoenix, N. Y. Indicator gauge. 1,792,043; Feb. 10.
Szczepczenski, Peter, Niagara Falls, N. Y. Padlock. Electrical lock. 1,793,418; Feb. 17.
Seabold, Walter G., sr., Alton, Ill. Box or crate structure. 1,834,553; Dec. 1.
Seabrook, Marion W., et al. (See Moise, Harmon D., assignor.)
Seabury, Ralph L., Toledo, Ohio, assignor to Delco-Remy Corporation, Anderson, Ind. Molding press. 1,801,575; Apr. 21.
Seabury, Ralph L., Toledo, Ohio, assignor to Delco-Remy Corporation, Anderson, Ind. Granular body and making same. 1,824,795; Sept. 29.
Seacord, Kenneth P., New York, N. Y. Ventilator. 1,799,327; Apr. 7.
Seager, Edward, Duquesne, Pa. Sling. 1,819,390; Aug 18.
Seaholm, Charles H., New York, N. Y. Rotary steam engine. 1,793,643; Feb. 24.
Seaholm, Charles H., assignor to General Talking Pictures Corporation, New York, N. Y. Talking motion picture apparatus. 1,837,889; Dec. 22.
Seaholm, Ernest W., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Head-lamp mounting. 1,795,899; Mar. 10.
Seaholm, Ernest W., G. E. Parker, and A. H. Stahlhuth, Detroit, Mich., assignors to Bendix Brake Company, Chicago, Ill. Brake. 1,821,852; Sept. 1.
Seaholm, Ernest W. (See Edwards, R. P., and Seaholm.)
Seaholm, John P., assignor to Minneapolis-Moline Power Implement Company, Moline, Ill. Variable-width plow. 1,829,545; Oct. 27.
Seaholm, Martin A., Chicago, Ill. Machine for forming can bodies. 1,798,439; Mar. 31.
Séailles, Jean. (Séailles, Speranza and J.)
Seailles, Jean. (See Seailles, S., and Seailles.)
Séailles, Speranza, née Calogéropoulos, and J. Séailles, Paris, France, assignors, by mesne assignments, to A. P. Bourquardez. Cement objects having polished and translucent surfaces. 1,789,197; Jan. 13.
Seailles, Speranza, nee Calogeropoulos, and J. Seailles, Paris, France, assignors, by mesne assignments, to A. B. Bourquardez. Coating of metals upon cement surfaces. 1,829,116; Oct. 27.
Sea Island Mills, Inc. (See Grivin, Adolphe, assignor.)
Seal, William D., Des Arc, Mo. Electric lawn mower and hedge trimmer. 1,823,215; Sept. 15.
Sealcones, Inc. (See Berg, Hart O., assignor.)
Sealcones, Inc. (See Kollmar, Herman L., assignor.)
Seale, Mitchell J., Birmingham, Ala. Circuit reclosing device. 1,818,818; Aug. 11.
Sealed Joint Construction Corporation. (See Keuls, Henry P. C., assignor.)
Sealey, Clark, Vermilion, S. Dak. Closure fastener for receptacles. 1,830,721; Nov. 3.
Sealey, David A., East Orange, N. J. Making concrete floors or roofs. 1,828,078; Oct. 20.
Seaman, Charles, Hollis, N. Y. Attachment for sewing machines. 1,830,177; Nov. 3.
Seaman, Charles, Hollis, N. Y. Shirring attachment. 1,825,758; Oct. 6
Sealey, Fred E., Vermilion, S. Dak. Wheel scraper. 1,815,991; July 28.
Seaman Body Corporation. (See Goldsmith, B. J., and Koeb, assignors.)
Seaman Body Corporation. (See Seaman, Harold H., assignor.)
Seaman, Frank F., assignor to Robbins & Myers, Inc., Springfield, Ohio. Hoisting mechanism. 1,802,091; Apr. 21.
Seaman, Fred J., et al., administrators. (See Marshall, John W.)
Seaman, Gilbert M. (See Seaman, Theodore L., and G. M.)
Seaman, Harold H., assignor to Seaman Body Corporation, Milwaukee, Wis. Shiftable seat. 1,799,870; Apr. 7.
Seaman, Harold H., assignor to Seaman Body Corporation, Milwaukee, Wis. Shiftable seat. 1,799,871; Apr. 7.
Seaman, Harry T., Rochester, N. Y. Device for distributing fertilizer and the like. 1,806,025; May 19.
Seaman, Stewart E., Bangor, assignor to Eastern Manufacturing Company, South Brewer, Me. Treatment of cellulose and product resulting therefrom. 1,822,174; Sept. 8.
Seaman, Theodore L. and G. M., Catskill, N. Y. Display rack. 1,794,253; Feb. 24.
Seamless Rubber Company, The. (See Conway, James J., assignor.)
Seamless Rubber Company, The. (See De Laney, Wallace W., assignor.)
Searcy, Hubert A., La Grange, Ky. Wind-operable figure. 1,789,198; Jan. 13.
Searight, Richard B., Fulda, Germany. Apparatus for producing web of fabric coated with rubber. 1,837,682; Dec. 22.
Searing, Frederick D. W., Newark, N. J. Stabilizing device. 1,812,174; June 30.
Searing, Frederick D. W., Newark, N. J. Stabilizing device. 1,826,830; Oct. 13.
Searle, Chester F., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Clutch. 1,811,974; June 30.
Searle, Emerson S. (See Fish, John R., assignor.)
Searle, G. D., & Co. (See Kober, Philip A., assignor.)
Searle, George R., London, England. Loud-speaker for wireless apparatus or the like. 1,826,226; Oct. 6.
Searles, Joseph H., Los Angeles, Calif. Square and mitre attachment for saws. 1,815,216; July 21.
Searles, Raymond R., New Britain, Conn., assignor to The Fafnir Bearing Company. Spring shackle. 1,798,906; Mar. 31.
Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Antifriction spring bearing. 1,798,907; Mar. 31.
Searles, Raymond R., assignor to The Tafnir Bearing Company, New Britain, Conn. Antifriction spring connection. 1,807,093; May 26.
Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring connection. 1,827,711; Oct. 13.
Sears, Dennis E., High Point, N. C. Apparatus for raising sunken vessels. 1,788,619; Jan. 13.
Sears, Edward M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. Des. 85,209; Sept. 22.
Sears, Edward, and C. F. Wagner, Deer Lodge, Mont. Chuck for machine tools. 1,818,167; Aug. 11.
Sears, Fred L., Nicholasville, Ky. Railway mail service crane. 1,837,073; Dec. 15.
Sears, John, Regina, Saskatchewan, Canada. Safety device for motion-picture projectors. 1,800,410; Apr. 14.
Sears, Roebuck and Co., The. (See Bohmker, John C., assignor.)
Sears, Roebuck and Co. (See Oppenheim, Charles, assignor.)
Sears, Roebuck and Co. (See Sexton, Lawrence E., assignor.)
Sears, Roebuck and Co. (See Shee, Parke B., assignor.)
Sears, Samuel P., Boston, and J. A. Sullivan, Newton Center, Mass. Golf marker. 1,832,947; Nov. 24.
Seaton, Charles F., Elyria, Ohio. Detachable joy stick for aeroplanes. 1,806,716; May 26.
Seaton, Guy C. (See Blanchard, Adna F., assignor.)
Seattle Astoria Iron Works. (See Troyer, Mervyn B., assignor.)
Seaver, Edward, Needham, Mass. Heat exchange apparatus. 1,807,638; June 2.
Seaver, Elliot O., Meadville, Pa., assignor to Hookless Fastener Company. Separable fastener. 1,830,077; Nov. 3.
Seavey, Elmer S., Bethlehem, Pa., assignor to Bethlehem Steel Company. Punching and upsetting machine. 1,812,023; June 30.
Seavey, Eugene, New York, N. Y. Can-opening device. 1,798,988; Mar. 31.
Seay, Thomas H., Washington, D. C. File cabinet and shipping case. 1,803,919; May 5.
Sebastian, Robert L., and L. Finkelstein, Edgewood, assignors to H. A. Kuhn, Edgewood Arsenal, Md. Multilayer filter. 1,814,190; July 14.
Sebell, Harry, Boston, assignor of one-half to A. H. Parker, Lexington, Mass. Can and making the same. 1,800,807; Apr. 14.
Sebell, Harry, Boston, assignor to Arthur H. Parker, Lexington, Mass. Sealed can. 1,808,321; June 2.
Sebell, Harry, Boston, assignor of one-half to A. H. Parker, Lexington, Mass. Measuring pump. 1,809,395; June 9.
Sebell, Harry, Boston, assignor of one-half to A. H. Parker, Lexington, Mass. Sealed can. 1,832,250; Nov. 17
Sebell, Harry, Boston, assignor of one-half to A. H. Parker, Lexington, Mass. Can. 1,832,251; Nov. 17.
Sebolt, Frank B., Chicago, Ill. Paste tube. 1,794,987; Mar. 3.
Sebrell, Lorin B. (See Teppema J., and Sebrell.)
Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Manufacture of rubber compositions. 1,797,179; Mar. 17.
Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Preventing the dissolution of metals in pickling baths. 1,805,052; May 12.
Sebrell, Lorin B., Silver Lake, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Aldol condensation products and vulcanization of caoutchouc therewith. 1,809,454; June 9.

Sebrell, Lorin B., Akron, Ohio, and D. N. Shaw, Philadelphia, Pa., assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanization of rubber and producing same. 1,792,770; Feb. 17.
Sebring Pottery Company, The. (See Smith, Charles O., assignor.)
Sechler, John B., assignor to J. J. Tobias and L. J. Applebaum, Detroit, Mich. Baseball game. 1,795,801; Mar. 10.
Sechler, Will N. (See Goodman, S., and Sechler.)
Seck, Willy, Augsburg, Germany, assignor to Erba Aktiengesellschaft, Zurich, Switzerland. Manufacture of highly sulphonated oils. 1,804,183; May 5.
Seckendorf, Hugo, Albany, N. Y. Anti-glare device. 1,802,222; Apr. 21.
Seckendorf, Paul, Markneukirchen, Germany. Tailpiece connecter for violins and the like. 1,791,977; Feb. 10.
Seckendorf, Richard P., Somerville, assignor to The Cambridge Paper Box Co., Cambridge, Mass. Box and covering blank therefor. 1,811,478; June 23.
Seckendorf, Richard P., Somerville, assignor to The Cambridge Paper Box Co., Cambridge, Mass. Machine for covering boxes. 1,829,063; Oct. 27.
Seckler, Peter E., Tulsa, Okla. Hand hook for pull rods. 1,798,001; Mar. 24.
Secor, John A., La Porte, Ind., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Preparing fuel charge for internal combustion engines. 1,816,345; July 28.
Secrest, Harry O., deceased, Cleveland, Ohio; H. K. Baumgardner and M. O. Secrest, administrators, assignors to The Secrest Safety Razor Corporation, Cleveland, Ohio. Safety razor. 1,827,041; Oct. 13.
Secrest, Myra O., et al., administrators. (See Secrest, Harry O.)
Secrest Safety Razor Corporation, The. (See Secrest, Harry O., assignor.)
Secretary of War of the United States. (See Brayton, Harold M., assignor.)
Sectional Fire Corporation et al. (See Arico, Joseph, assignor.)
Secunda, William, Brooklyn, N. Y. Lock for collapsible cots. 1,823,768; Sept. 15.
Security Investment Company of Whittier. (See Vertson John A., assignor.)
Security Trust Company, executor. (See Davis, Ray L.)
Seddon, William, and R. F. Cordey, assignors to Morris Motors (1926) Limited, Cowley, Oxford, England. Automatically adjustable mechanical stop or abutment. 1,808,079; June 2.
Sedgley, Reginald F., Philadelphia, Pa. Firearm. 1,788,443; Jan. 13.
Sedlatschek, Frank. (See Sedlatschek, Richard and F.)
Sedlatschek, Richard and F., assignors to United Reed & Harness Company, Paterson, N. J. Shuttles. 1,787,555; Jan. 6.
Sedlmeir, Michael, Mulheim-Ruhr, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Turbine nozzle. 1,819,485; Aug. 18.
Sedwick, Mathew M., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Marker for marking container covers. 1,807,558; May 26.
Sedwick, Mathew M., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Feeding and timing mechanism for containers. 1,828,624; Oct. 20.
See, Alva B. (See Putt, Donald R., assignor.)
See, Howard, assignor to The Dixie Culvert & Metal Company, Atlanta, Ga. Corrugated conduit. 1,806,920; May 26.
See, Milton, Mount Vernon, N. Y. Thermostatically operated shutter for automobiles. 1,817,398; Aug. 4.
Seebach, Fritz, Erkner-Berlin, assignor to Bakelite Gesellschaft mit beschraenkter Haftung, Berlin-Charlottenburg, Germany. Producing oil soluble phenol-aldehyde condensation products. 1,809,732; June 9.
Seebach, Fritz, Erkner, near Berlin, assignor to Bakelite Gesellschaft Mit Beschrankter Haftung, Berlin-Charlottenburg, Germany. Hardenable oil varnish and method of preparing same. 1,816,128; July 28.
Seebohm, Hans-Bernhard. (See Heimann, H., and Seebohm.)
Seedig, Adolph G., Wheeler, Tex. Seat attachment. 1,806,026; May 19.
Seegelken, John, Santa Rosa, Calif. Novelty light for radiators. 1,839,055; Dec. 29.
Seeger, Edwin W. (See Mortensen, N. L., and Seeger.)
Seeger, Edwin W., South Milwaukee, assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 1,789,085; Jan. 13.
Seeger, Edwin W., South Milwaukee, assignor, by mesne assignments, to Cutler-Hammer Inc., Milwaukee, Wis. Motor controller. 1,794,736; Mar. 3.
Seeger, Edwin W., South Milwaukee, assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Signal system for printing presses. 1,795,316; Mar. 10.
Seeger Refrigerator Company. (See Ahrens, Robert S., assignor.)
Seeger Refrigerator Company. (See Swedman, Enoch, assignor.)
Seekonk Lace Company. (See King, Gilbert M., assignor.)
Seel, Paul C., W. R. Webb, and J. M. Donohue, assignors to Eastman Kodak Company, Rochester, N. Y. Making cellulose ethers. 1,813,665; July 7.
Seeland, William J., Elizabeth, N. J., assignor to Standard Oil Development Company. Bell cap. 1,796,256; Mar. 10.
Seelbach, K. C., Company. (See Benedict, Charles F., assignor.)
Seele, William J., assignor to S. G. Adams Stamp and Stationery Company, St. Louis, Mo. Lubricating device. 1,795,684; Mar. 10.
Seelert, Edward H., assignor to McQuay Radiator Corporation, Minneapolis, Minn. Heat exchange core assembling machine. 1,802,929; Apr. 28.
Seelert, Edward H., assignor to McQuay Radiator Corporation, Minneapolis, Minn. End tank for heat exchange units. 1,802,930; Apr. 28.
Seeley, Fay L., assignor to The Evans Products Company, Detroit, Mich. Staging or semidecking apparatus for automobile shipping. 1,829,681; Oct. 27.
Seely, George E., assignor of one-half to R. B. Ralph, San Francisco, Calif. Cover for automobile seats. 1,833,797; Nov. 24.
Seeley, Harold T. (See Gittings, W. N., and Seeley.)
Seeley, Harold T., Yeadon, Pa., assignor to General Electric Company. Automatic switching equipment. 1,791,327; Feb. 3.
Seeley, Harold T., Yeadon, Lansdowne, Pa., assignor to General Electric Company. Starting arrangement for dynamo-electric machines. 1,796,220; Mar. 10.
Seeley, Harold T., Yeadon, Pa., assignor to General Electric Company. Automatic control equipment. 1,800,032; Apr. 7.
Seeley, Harold T., Yeadon, Lansdowne, Pa., assignor to General Electric Company. Synchronizing system for alternating current generators. 1,803,147; Apr. 28.
Seeley, Harold T., Yeadon, Pa., assignor to General Electric Company. Automatic control system. 1,814,860; July 14.
Seeley, Harold T., Yeadon, Pa., assignor to General Electric Company. Automatic control equipment. 1,815,803; July 21.
Seeley, Harold T., Yeadon, Pa., assignor to General Electric Company. Speed indicating arrangement. 1,836,820; Dec. 15.
Seelhoff, Robert G., assignor of one-half to A. L. Madsen, jr., Chicago, Ill. Drapery ornament. 1,795,516; Mar. 10.
Seelig, Bertha, Kansas City, Mo. Toothbrush. 1,824,967; Sept. 29.
Seelig, Lester S., New Orleans, La. Lamp shade. Des. 84,797; Aug. 4.
Seely, Don R., assignor to The Utah Radio Products Company, Salt Lake City, Utah. Acoustic diaphragm and mounting. 1,790,679; Feb. 3.
Seely, Glenn H., Akron, Ohio, assignor, by mesne assignments, to The Bristol Company, Waterbury, Conn. Temperature controller. 1,796,124; Mar. 10.
Seely, Thomas H. (See Ballard, M. H., and Seely.)
Seely, Thomas H., Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Tack handling mechanism. 1,825,210; Sept. 29.
Seely, Thomas H., Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pressure mechanism. 1,825,704; Oct. 6.
Seeostra Import Corporation. (See Von Ostermann, Arthur, assignor.)
Sees, Joseph F., Schenectady, N. Y., assignor to General Electric Company. Sound recording and reproducing apparatus. 1,814,861; July 14.
Seese, Robert S., assignor to Frost and Seese, Detroit, Mich. Automatic traffic control system. 1,832,510; Nov. 17.
Seferlis, Peter J., Cortland, N. Y. Liquid level indicator. 1,801,643; Apr. 21.
Segal Automatic Tweezer Corporation. (See Segal, Samuel, assignor.)
Segal, Hyman, Kansas City, Mo. Automatic safety stop. 1,804,184; May 5.
Segal, Hyman R., assignor to Segal Safety Razor Corporation, New York, N. Y. Safety razor. 1,816,657; July 28.
Segal, Hyman R., assignor to Segal Safety Razor Corporation, New York, N. Y. Automatic safety razor. 1,816,658; July 28.
Segal, Hyman R., assignor to Segal Safety Razor Corporation, New York, N. Y. Razor. 1,816,659; July 28.
Segal, Hyman R., assignor to Segal Safety Razor Corporation, New York, N. N. Safety razor frame. 1,829,546; Oct. 27.
Segal, Irving, New York, N. Y. Extension table. 1,836,404; Dec. 15.
Segal, Irving H., Detroit, Mich. Animated advertising apparatus. 1,828,475; Oct. 20.
Segal Lock & Hardware Co. (See Hines, John, assignor.)
Segal Lock & Hardware Company. (See Segal, Samuel, assignor.)
Segal, Milton J., et al. (See Lawrence, James A., assignor.)
Segal Safety Razor Corporation. (See Segal, Hyman R., assignor.)
Segal, Samuel, New York, N. Y. Lock. 1,812,988; July 7.
Segal, Samuel, New York, N. Y. Receptacle. 1,833,621; Nov. 24.
Segal, Samuel, assignor to Segal Lock & Hardware Company, Inc., New York, N. Y. Rotary bolt lock. 1,790,512; Jan. 27.

Segal, Samuel, assignor to Segal Lock & Hardware Co., Inc., New York, N. Y. Lighter. 1,793,515; Feb. 24.
Segal, Samuel, assignor to Segal Lock & Hardware Company, Inc., New York, N. Y. Lock. 1,796,221; Mar. 10.
Segal, Samuel, assignor to Segal Lock & Hardware Co., Inc., New York, N. Y. Razor. 1,826,530; Oct. 6.
Segal, Samuel, assignor to Segal Automatic Tweezer Corporation, New York, N. Y. Lighter. 1,834,007; Dec. 1.
Segall, Benjamin, New York, N. Y. Ink removing cream. 1,831,611; Nov. 10.
Segee, Gerard T., Revere, Mass. Combination loaded shot shell. 1,830,913; Nov. 10.
Segelcke, Fritz W. H., Tulsa, Okla. Garter. 1,821,192; Sept. 1.
Segelhorst, August L., Huntington Beach, Calif. Tool joint. 1,821,328; Sept. 1.
Segelhorst, August L., and H. S. Berkey, Huntington Beach, Calif. Swab for tapered tubing. 1,793,644; Feb. 24.
Segelhorst, August L., and O. Stricklen, Huntington Beach, Calif. Adjustable oil well counterbalance. 1,808,010; June 2.
Seger, Earl F. (See Hopkins, R. Z., and Seger.)
Seger, Herbert D., Donora, Pa. Towing means. 1,793,419; Feb. 17.
Segerfelt, Bror N., Bohmisch, Krumau, Czechoslovakia. Producing cellulose. 1,828,511; Oct. 20.
Seghers, Emiel P., Chicago, Ill. Grease gun. 1,789,536; Jan. 20.
Seghers, Emiel P., Chicago, Ill. Top for percolators and the like. 1,795,449; Mar. 10.
Segler, William J. (See Walkup, B. L., and Segler.)
Segrin, Oscar E., Springfield, assignor, by mesne assignments, to Merrow Brothers, Inc., Boston, Mass. Icing machine for cakes. 1,802,842; Apr. 28.
Segschneider, Rudolph G., Yonkers, N. Y. Manufacture of hats. 1,813,088; July 7.
Seguin, Augustin. (See Seguin, Laurent and A.)
Seguin, Laurent and A., Paris, France. Construction of internal combustion engines. 1,825,097; Sept. 29.
Seguin, Laurent and A., Paris, France. Automatic calling apparatus for automatic telephones. 1,825,098; Sept. 29.
Seguin, Ozanam, St. Dominique-Des-Cedres, Quebec, Canada. Cover for binders. 1,788,208; Jan. 6.
Seguine, William, jr., Newport, assignor, by mesne assignments, to Krebs Pigment & Color Corporation, Wilmington, Del. Purification of zinc solutions. 1,832,329; Nov. 17.
Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Dephlegmator. 1,806,090; May 19.
Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbon oil. 1,812,308; June 30.
Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbons. 1,827,915; Oct. 20.
Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oils. 1,831,974; Nov. 17.
Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oils. 1,831,975; Nov. 17.
Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oil. 1,832,819; Nov. 17.
Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbon oil. 1,832,820; Nov. 17.
Seiberling, George W. (See Klaus, F. R., and Seiberling.)
Seiberling Rubber Company. (See Alexander, H. S. Pfeiffer, and White, assignors.)
Seiberling Rubber Company. (See Crossan, Jesse R., assignor.)
Seiberling Rubber Company. (See Crossan, J. R., and Mackel, assignors.)
Seiberling Rubber Company. (See Goodwin, John O., assignor.)
Seiberling Rubber Company. (See Hartong, Robert C., assignor.)
Seiberling Rubber Company. (See Kilborn, Karl B., assignor.)
Seiberling Rubber Company. (See Miller, Harry A., assignor.)
Seiberling Rubber Company. (See Pfeiffer, Fred B., assignor.)
Seiberling Rubber Company. (See Pfeiffer, F. B., and White, assignors.)
Seiberling Rubber Company. (See White, John W., assignor.)
Seibert, Joseph A., Camden, N. J. Washing compound. 1,799,930; Apr. 7.
Seidel, Bruno W., assignor to U. S. Sanitary Specialties Corporation, Chicago, Ill. Treadle-operated dispensing valve. 1,794,484; Mar. 3.
Seidel, Gotthelf M., Northhampton, Mass. Cardboard plant box. 1,828,448; Oct. 20.
Seidel, John, Sidney, Nebr. Guard for mowing machines, reapers, harvesters, etc. 1,789,781; Jan. 20.
Seidel, Julius A., assignor to Julius Seidel Lumber Company, St. Louis, Mo. Chair settee. Des. 84,601; July 7.
Seidel, Julius A., assignor to Julius Seidel Lumber Company, St. Louis, Mo. Chair. Des. 84,602; July 7.
Seidel, Julius, Lumber Company. (See Seidel, Julius A., assignor.)
Seidel, Walter, Leverkusen, near Cologne-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of chromealum. 1,826,831; Oct. 13.
Seidel, Walter, and R. Fingado, Dormagen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Decomposing lignified fibers. 1,804,893; May 12.
Seidelinger, Robie, Philadelphia, Pa. Typewriter. 1,820,329; Aug. 25.
Seidelinger, Robie, Philadelphia, Pa. Ribbon mechanism for typewriters. 1,825,705; Oct. 6.
Seiders, Irwin A., Reading, assignor to Flexible Truck Corporation, Philadelphia, Pa. Motor car truck. 1,808,322; June 2.
Seidle, Guy T., Los Angeles, Calif. Ash tray. Des 83,926; Apr. 14.
Seidler, Hugo F. (See Gunn, F. M., and Seidler.)
Seidler, Joseph C., Wheeling, W. Va. Covering cleaned garments. 1,821,672; Sept. 1.
Seidler, Paul, Weissand, Germany. Producing big crystals. 1,839,124; Dec. 29.
Seidman & Cohan, Inc. (See Seidman, H., and Cohan, assignors.)
Seidman, Hyman, and H. Cohan, Brooklyn, assignors to Seidman & Cohan, Inc., New York, N. Y. Articulated device. 1,828,476; Oct. 20.
Seidner, Leo, Rockville Center, assignor to The Glemby Company, Inc., New York, N. Y. Hair net. 1,817,713; Aug. 4.
Seifert, Charles H., Hempstead, N. Y. Admission valve for two-cycle engines. 1,820,093; Aug. 25.
Seifert, Kurt, and E. Sachse, Magdeburg, Germany. Ticket file. 1,817,466; Aug. 4.
Seifert, Otto, Burgstadt, Germany, assignor to Maratti Société Anonyme, Geneva, Switzerland. Circular knitting machine. 1,828,878; Oct. 27.
Seifferle, Oliver, Portland, Oreg., assignor to J. C. Dennis Co. Carburetor. 1,813,322; July 7.
Seigle, William, Hinton, Okla. Coil spring metatarsal arch support. 1,807,758; June 2.
Seignol, Edouard, Paris, France. Carburetor. 1,788,338; Jan. 6.
Seil, Gilbert E., Conshohocken, Pa. Making synthetic amphibolic products. 1,807,178; May 26.
Seil, Gilbert E., Conshohocken, Pa. Gas burner. 1,814,097; July 14.
Seil, Gilbert E., Conshohocken, assignor to E. J. Lavino and Company, Philadelphia, Pa. Making material for the purification of gaseous mixtures. 1,809,990; June 16.
Seil, Gilbert E., Conshohocken, assignor to E. J. Lavino and Company, Philadelphia, Pa. Gas purification materials and making the same. 1,818,871; Aug. 11.
Seil, Gilbert E., Newark, N. J., assignor to The Koppers Company, Pittsburgh, Pa. Process and apparatus for gas purification. 1,802,580; Apr. 28.
Seil, Gilbert E., Newark, N. J., assignor to The Koppers Company, Pittsburgh, Pa. Sulphur sludge treatment. 1,808,938; June 9.
Seil, Gilbert E., Newark, N. J., assignor to The Koppers Company, Pittsburgh, Pa. Gas purification process and apparatus. 1,822,380; Sept. 8.
Seil, Gilbert E., Newark, N. J., assignor to The Koppers Company, Pittsburgh, Pa. Sulphur sludge treatment. 1,837,493; Dec. 22.
Seiler, Anton A. (See Bayerlein, J., and Seiler.)
Seiler, Orwic E. (See Dirschauer, Jacob A., assignor.)
Seiling, Albert, Elmira, Ontario, Canada. Incubator. 1,802,092; Apr. 21.
Seinsheimer Paper Company, The. (See Johnson, Samuel J., assignor.)
Seipel, Wilhelm, Herisau, Switzerland. Liquid brake. 1,799,872; Apr. 7.
Seiter, Eugene R., Ridgefield Park, N. J., assignor to T. W. & C. B. Sheridan Company. Bookmaking machine. 1,791,081; Feb. 3.
Seitz, Franz, Hamburg, assignor to the Firm C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Extracting theobromine from natural products containing theobromine. 1,833,597; Nov. 24.
Seitz, John F., Los Angeles, Calif. Making dissolves and effects in motion pictures. 1,813,428; July 7.
Seitz, John F., Hollywood, Calif. Illuminating device. 1,834,428; Dec. 1.
Seitz, Martin, St. Louis, Mo. Bung-seal. 1,831,199; Nov. 10.
Seitz, Oskar, Baden, Switzerland. Electric current rectifier. 1,811,521; June 23.
Seitz, Oskar, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Multistage high-vacuum diffusion pump. 1,791,105; Feb. 3.
Seitz, Oskar, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Metal vapor rectifier. 1,827,172; Oct. 13.
Seitz, Paul, assignor to Seitz-Werke G. m. b. H., Kreuznach, Germany. Coin-freed vending machine. 1,798,172; Mar. 31.
Seitz-Werke G. m. b. H. (See Seitz, Paul, assignor.)
Seitz, William C., Amsterdam, N. Y. Clutch. 1,803,776; May 5.

Seitz, Xaver, Emmishofen, Switzerland. Canvas cover for vehicles and the like. 1,809,455; June 9.
Seitz, Xaver, Baden, Germany. Hood for motor cars and other vehicles. 1,836,191; Dec. 15.
Sejnoha, Charles E., assignor to May & Malone, Incorporated, Chicago, Ill. Ring. Des. 83,760; Mar. 24.
Sekavec, Joseph, assignor to Triplex Washing Machine Corporation, Chicago, Ill. Laundry machine. 1,802,541; Apr. 28.
Sekerak, Michael, Cleveland, Ohio. Receptacle. 1,838,578; Dec. 29.
Sekey, Margaret, New York, N. Y., assignor to The Munsingwear Corporation, Minneapolis, Minn. Undergarment. 1,823,296; Sept. 15.
Sekulski, Lee, assignor to Mathews Conveyer Company, Ellwood City, Pa. Conveyer feeding mechanism. 1,826,832; Oct. 13.
Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,794,988; Mar. 3.
Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,802,581; Apr. 28.
Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,821,949; Sept. 8.
Selander, Christian A., Renton, Wash. Combination table and ironing board. 1,807,937; June 2.
Selbec, Inc. (See Peebles George, assignor.)
Selby, P. E., Incorporated. (See McKay, Stewart R., assignor.)
Selby, Roger A., assignor to The Selby Shoe Company, Portsmouth, Ohio. Shank iron for boots and shoes. 1,798,173; Mar. 31.
Selby Shoe Company, The. (See Moore, William D., assignor.)
Selby Shoe Company, The. (See Selby, Roger A., assignor.)
Selby, William, and R. P. Magnenat, assignors to Waterbury Button Company, Waterbury, Conn. Toy bank and vending machine. 1,813,713; July 7.
Selden Company, The. (See Daniels, Lloyd C., assignor.)
Selden Company, The. (See Jaeger, Alphons O., assignor.)
Selden Company, The. (See Jaeger, A. O., and West, assignors.)
Selden Company, The. (See Jewett, J. E., and Daniels, assignors.)
Selden Company, The. (See Selden, James M., assignor.)
Selden Company, The. (See West, Herbera J., assignor.)
Selden, James M., assignor to The Selden Company, Pittsburgh, Pa. Catalytic apparatus. 1,810,147; June 16.
Selden Research & Engineering Corporation. (See Canon, F. A., and Andrews, assignors.)
Selden Research Engineering Corporation, The. (See Daniels, L. C., and Schwindt, assignors.)
Selden Research & Engineering Corporation. (See Jaeger, Alphons O., assignor.)
Selden Research & Engineering Corporation, The. (See Schwindt, Christian J., assignor.)
Selectasine System, Inc. (See Johnston, C. L., and Owens, assignors.)
Selectograph Company. (See Godnick, P. A., and Toolan, assignors.)
Selectograph Company. (See Gollnick, Paul A., assignor.)
Selectograph Company. (See Gollnick, P. A., and Broderick, assignors.)
Selectograph Company. (See Gollnick, P. A., Broderick, and Emde, assignors.)
Selectograph Company. (See Gollnick, P. A., Broderick, and Slupkowski, assignors.)
Selectograph Company. (See Kumli, Charles F., assignor.)
"Selenophon" Licht- und Tonbildgesellschaft m. b. H. (See Thirring, Hans, assignor.)
Selényi, Paul, Budapest, assignor to Egyesult Izzolampa es Villamossagi Reszvenytarsasag, Ujpest, Hungary. Process and apparatus for drawing electrical pictures. 1,818,760; Aug. 11.
Seletzky, Anatoli C., Baltimore, Md., assignor to The Westinghouse Lamp Company, New York, N. Y. Machine for testing electric lamps. 1,821,240; Sept. 1.
Self, Grafton H. (See Bockwitz, Andrew J., assignor.)
Self, Joseph D., Waynesville, N. C. Changeable sign. 1,818,509; Aug. 11.
Self Feeding Carburetor Company. (See Scott, William, assignor.)
Self Kleen Thresher Screen Co. (See Altman, Elmer F., assignor.)
Self Lighting Cigarette Corporation of America. (See Fox, Ansley H., assignor.)
Self-Regulating Watch Corporation. (See Haefliger, Herman, assignor.)
Self-Spread Waxer Corporation. (See Gailhofer, Joseph, assignor.)
Self, Walter C. (See Mulhern, A. E., and Self.)
Selig, Milton, assignor to I. Fischman & Sons, Philadelphia, Pa. Ice-cream-can clamp. 1,800,109; Apr. 7.
Selig, Milton, and W. Greenberg, assignors to I. Fischman & Sons, Philadelphia, Pa. Liquid dispensing apparatus. 1,836,879; Dec. 15.
Seligman, Richard, Wimbledon, England. Plate apparatus for heat exchanges. 1,828,477; Oct. 20.
Seligman, Richard, assignor to The Aluminium Plant & Vessel Company, Limited, London, England. Holding process for sterilizing or pasteurizing liquids. 1,792,328; Feb. 10.
Seligmann, William, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Workholder for material working apparatus. 1,806,182; May 19.
Selikowitz, Adolph, Brooklyn, assignor to Metropolitan Importing & Mfg. Co., New York, N. Y. Combined telephone information card and magnifying glass. Des. 84,961; Aug. 25.
Selje, Frederick A., assignor to Chrysler Corporation, Detroit, Mich. Trunk rack. 1,825,679; Oct. 6.
Selk, Morris, New York, assignor, by mesne assignments, to American Safety Razor Corporation, Brooklyn, N. Y. Shaving brush. 1,798,637; Mar. 31.
Selkow, David, New York, N. Y. Safety lock for gas cocks. 1,798,039; Mar. 24.
Sell, Otto R., Colorado Springs, Colo. Combination switch and head lamp control. 1,829,191; Oct. 27.
Sell, Willy, Windelsbleiche, near Bielefeld, assignor to the Firm K. & Th. Möller Gesellschaft mit beschrankter Haftung, Brackwede, Westphalia, Germany. Filtering apparatus. 1,810,090; June 16.
Sellars, William H. (See Kashian, Minas H., assignor.)
Selle, Oliver, St. Louis, Mo. Bracelet and links therefor. 1,810,060; June 16.
Sellers, G. I., and Sons Company. (See Mahoney, C., Conwell, and Sellers, assignors.)
Sellers, George L. (See Mahoney, C., Conwell, and Sellers.)
Sellers, J. Earl, et al. (See Brawner, George H., assignor.)
Sellers, William, & Company. (See Benzon, George H., jr., assignor.)
Sellers, William, & Company. (See McClintock, John D., assignor.)
Sellick, Harold K., and M. Kalischer, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company. Refrigerating apparatus. 1,799,991; Apr. 7.
Sellier, Georges, Park Ridge, N. J., assignor to B. Saubiac & Son, Inc., New York, N. Y. Bedspread. Des. 85,262; Sept. 29.
Sellman, Folke E., White Plains, N. Y., and W. D. Collins, Evansville, Ind., assignors, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Heating apparatus. 1,793,873; Feb. 24.
Sells, Ogden S., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Apparatus for treating food products. 1,790,115; Jan. 27.
Sells, Ogden S., Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Conveying apparatus. 1,795,450; Mar. 10.
Selmer, Henri, Paris, France. Mouthpiece for wind instruments. 1,789,639; Jan. 20.
Selsemeyer, Anton. (See Speaker, J. W., and Selsemeyer.)
Seltz, Bertram, Philadelphia, Pa. Gate for delivery vehicles. 1,805,851; May 19.
Seltzer, Alexander, Philadelphia, Pa. Face-plate for flush receptacles and the like and its manufacture. 1,829,422; Oct. 27.
Selvig, John N. (See Robson, D. C., and Selvig.)
Selvig, John N., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coated core. 1,800,411; Apr. 14.
Selzer, John. (See Keith, R. R., Bundy, and Selzer.)
Sem, Mathias O., Buffalo, N. Y., assignor to Det Norske Aktieselskab for Elektrokemisk Industrie of Norway, Oslo, Norway. Electrode. 1,836,880; Dec. 15.
Semashko, John J., Morrisville, Pa. Automatic stacking machine. 1,801,696; Apr. 21.
Semet-Solvay Company. (See Knapp, Walter R., assignor.)
Semet-Solvay Engineering Corporation. (See Hughes, Charles H., assignor.)
Semet-Solvay Engineering Corporation. (See Keane, Arthur F., assignor.)
Semet-Solvay Engineering Corporation. (See Steere, Frank W., assignor.)
Semet-Solvay Engineering Corporation. (See Steere, George R., assignor.)
Seminole Furniture Shops, Inc. (See Molinari, R., and Baldi, assignors.)
Semisch, Herbert W., Thief River Falls, Minn. Window-operating mechanism. 1,801,115; Apr. 14.
Semkow, John, New York, N. Y. Bath spray device. 1,814,862; July 14.
Semmes, Harry H. (See Arbuckle, John Le B., assignor.)
Semmes, Harry H., Chevy Chase, Md., assignor to Bendix Brake Company, South Bend, Ind. Brake operator. 1,805,190; May 12.
Semmes, Harry H., Chevy Chase, Md., assignor to Bendix Aviation Corporation, New York, N. Y. Airfoil. 1,809,913; June 16.
Semmes, Harry H., Chevy Chase, Md., assignor to Bendix Aviation Corporation, New York, N. Y. Airfoil. 1,835,532; Dec. 8.
Semon, Waldo L. (See Zimmerli, W. F., and Semon.)
Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Composite product. 1,802,985; Apr. 28.
Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,808,578; June 2.
Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cleaning and pickling metals. 1,830,566; Nov. 3.

Semon, Waldo L., Cuyahoga Falls, and R. A. Crawford, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Rubber dispersion and making same. 1,797,243; Mar. 24.
Sem-Pray Jo-ve-Nay, Co. (See Goosman, Herman W., assignor.)
Send, Maurice, Detroit, Mich. Interchangeable sign. 1,805,378; May 12.
Sendler, Theodor, Stettin, Germany. Apparatus for drying clothes, laundry, etc. 1,818,761; Aug. 11.
Seneca Falls Machine Co. (See Smith, E. R., and Ashton, assignors.)
Seneca Falls Machine Co. (See Smith, E. R., and Schinkez, assignors.)
Senft, John, York, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Antiskid chain. 1,814,639; July 14.
Seng Company, The. (See Fox, Martin, assignor.)
Sengbusch, Gustav J., Milwaukee, Wis. Penholder socket. 1,804,120; May 5.
Sengstaken, John H., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Steam plant. 1,795,317; Mar. 10.
Sengebusch, Hans, Villa Park, assignor to Reserve Holding Company, Chicago, Ill. Impulse sender. 1,837,236; Dec. 22.
Senior, John H. (See Allen, T. W., Bokum, and Senior, assignors.)
Senior, William, Bedford, Ind. Window shade. 1,820,503; Aug. 25.
Senn, Vesta M., administratrix. (See Senn, William E.)
Senn, William E., deceased, by V. M. Senn, administratrix, assignor to The Universal Clay Products Co., Sandusky, Ohio. Pressure equalizing mechanism for multiple dies. 1,807,443; May 26.
Senna, Samuel N., Chicopee, Mass., assignor to B. F. Perkins & Son, Inc. Testing machine. 1,834,073; Dec. 1.
Sennhauser, Walter. (See Lorenz, Ernest, assignor.)
Sensaud de Lavaud, Mimitri, Paris, France. Hydraulic stress transmitting system. 1,819,947; Aug. 18.
Senter, Frank G. (See Luce, G. E., and Senter.)
Sentinal Fire Alarm Company, The. (See Marklund, Charles O., assignor.)
Sentinal Printing Company. (See Swan, James M., assignor.)
"Sentinel" Wagon Works Limited. (See Nutt, Arthur C., assignor.)
Sentou, Camille A., and E. Jacquet, Fort Lee, N. J., assignors to Eastman Kodak Company, Rochester, N. Y. Loop control mechanism. 1,802,621; Apr. 28.
Sentrop, Johannes T., Grand Rapids, Mich. Building block. 1,816,916; Aug. 4.
Sentry Company, The. (See Winter, Murray, assignor.)
Sentry Safety Control Corporation. (See Adams, J. F., and Allen, assignors.)
Sentry Safety Control Corporation. (See Allen, Thomas T., assignor.)
Sentry Safety Control Corporation. (See Allen, T. T., and Adams, assignors.)
Sentry Safety Control Corporation. (See Allen, T. T., and Godoy, assignors.)
Sentry Safety Control Corporation. (See Fewkes, Joseph T., assignor.)
Seppola, Asle, Entwistle, Alberta, Canada. Traction device for vehicles. 1,819,924; Aug. 18.
Sera, Samuel, Erie, Pa. Rim tool. 1,800,110; Apr. 7.
Serapin, George, assignor to The North Side Tool Works, Dayton, Ohio. Marking device. 1,799,570; Apr. 7.
Serduke, James T., Schenectady, N. Y., assignor to General Electric Company. Testing apparatus and method. 1,792,249; Feb. 10.
Serelco, Inc. (See Serrell, Lemuel W., assignor.)
Seresun, John, Cleveland, Ohio. Plug socket. 1,818,819; Aug. 11.
Sergent, Walter H., assignor to Ideal Wrapping Machine Company, Middletown, N. Y. Candy forming machine. 1,831,826; Nov. 17.
Sergeson, Robert, Massillon, assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Nitriding steel articles. 1,838,195; Dec. 29.
Serla, John, Brooklyn, N. Y. Shoe strap. 1,828,512; Oct. 20.
Sernaker, Harry, assignor of one-half to B. B. Horowit, New York, N. Y. Pocketbook. 1,803,441; May 5.
Séror, Albert, Chicago, Ill. Toy animal. Des. 83,218; Feb. 3.
Séror, Albert, Chicago, Ill. Toy animal. Des. 84,444; June 16.
Séror, Albert, Chicago, Ill. Doll. Des. 84,445; June 16.
Serpas, Ernest J., New Orleans, La. Automatic lubricating device. 1,799,026; Mar. 31.
Serpas, Ernest J., New Orleans, La. Automatic lubricating device. 1,830,374; Nov. 3.
Serra, Luigi M., Rome, Italy. Rail joint. 1,804,280; May 5.
Serragli, Giovanni, Florence, Italy. Self rotating air screw for the aerodynamic brakage of aeroplanes and the like. 1,811,867; June 30.
Serrell, Lemuel W., assignor to Serelco Inc., New York, N. Y. Broiler grid. 1,794,870; Mar. 3.
Serrell, Lemuel W., assignor to Serelco, Inc., New York, N. Y. Electric heater. 1,801,614; Apr. 21.
Serrell, Robert, Haddon Heights, N. J., assignor to General Electric Company. Electrical recording. 1,825,551; Sept. 29.
Serres, John, Houston, Tex. Winding implement. 1,838,874; Dec. 29.
Serriades, Constantine A., Chicago, Ill. Aircraft power generating system. 1,808,439; June 2.
Serrurier, Iwan, Altadena, Calif. Film viewing machine. 1,815,486; July 21.
Sersen, Fred J., Brooklyn, assignor of one-half to J. H. Thomas, New York, N. Y. Stud and partition construction for buildings. 1,815,075; July 21.
Sersen, Fred J., Brooklyn, and K. B. Conger, jr., Ardsley on Hudson, N. Y. Acoustical correction. 1,832,741; Nov. 17.
Servaas, Jan, Brooklyn, N. Y. Kitchen utensil. 1,806,828; May 26.
Servel Inc. (See Collins, William D., assignor.)
Servel Inc. (See Collins, W. D., and Ploeger, assignors.)
Servel, Inc. (See Collins, W. D., and Widerborg, assignors.)
Servel Inc. (See Kuenzli, Walter A., assignor.)
Servel Inc. (See Major, Ralph M., assignor.)
Servel, Inc. (See Peltier, F. D., and Ploeger, assignors.)
Servel, Inc. (See Peltier, F. D., and Widerborg, assignors.)
Servel, Inc. (See Ploeger, Clyde E., assignor.)
Servel, Inc. (See Ploeger, C. E., and Collins, assignors.)
Service Station Equipment Company. (See Wilson, Charles G., assignor.)
Service Station Equipment Company. (See Woodford, Joseph C., assignor.)
Service Station Equipment Company. (See Woodford, Joseph C., assignor.)
Sessions Clock Company, The. (See Mazur, Samuel, assignor.)
Sessions Foundry Company, The. (See Redmann, Robert G., assignor.)
Sessions, Frank L., Lakewood, Ohio. Dynamo-electric machine. 1,791,978; Feb. 10.
Sessions, Frank L., Lakewood, Ohio. Welding machine. 1,808,261; June 2.
Sessions, Frank L., Lakewood, Ohio. Electromagnetic burr roller. 1,837,494; Dec. 22.
Setchkin, Nicholas P., assignor to Doherty Research Company, New York, N. Y. Heat transferring means. 1,818,762; Aug. 11.
Seth, George W. (See Geisler, O., and Seth.)
Sether, Alvin F. (See Sether, Gordon F. and A. F., assignors.)
Sether, Gordon F. and A. F., Eugene, Oreg. Closure for flexible tube containers. 1,833,231; Nov. 24.
Sethman, Retus W., assignor to Akron Rubber Mold & Machine Co., Akron, Ohio. Valve couplings. 1,816,804; July 28.
Sethness, C. H., et al. (See Hershman, Paul R., assignor.)
Set-O-Type Company, The. (See Poeppelmeier, Frank H., assignor.)
Settegast, Bernhard. (See Rudolph, W., and Settegast.)
Settegast, Bernhard, and W. Rudolph, assignors to Electro-acustic Gesellschaft mit beschränkter Haftung, Kiel, Germany. Subaqueous sound apparatus. 1,791,014; Feb. 3.
Settem, Herman A., Seattle, Wash. Machine tool. 1,832,511; Nov. 17.
Settle, Bruce, Oklahoma City, Okla. Curtain track. 1,798,561; Mar. 31.
Setzer, John, Davilla, Tex. Stalk cutter. 1,801,116; Apr. 14.
Setzler, Horace B., and M. C. McDonald, Coffeyville, Kans., assignors to The National Refining Company, Cleveland, Ohio. Treating petroleum oils. 1,791,329; Feb. 3.
Seufert, Friedrich, Munich, Germany, assignor of one-half to H. Seufert, Brooklyn, N. Y. Cinema or like apparatus. 1,833,339; Nov. 24.
Seufert, Hermann. (See Seufert, Friedrich, assignor.)
Seuffert, Joseph F., New York, N. Y., assignor to H. Hyman, Brooklyn, N. Y. Electrical switch. 1,795,148; Mar. 3.
Seutter, Louis, assignor to The Kiel Furniture Company, Milwaukee, Wis. Radiotable. 1,793,753; Feb. 24.
Severance, William N., Daleville, assignor of five-eighths to J. S. Warren, Sun, Miss. Wood sawing machine and power take off device. 1,832,793; Nov. 17.
Severin, Carl. (See Ceader, J. D., and Severin.)
Severini, Ostilio, assignor to Societa Invenzioni Brevetti Anonima-Torino, Turin, Italy. Suction box for felted-sheet-making machines. 1,791,065; Feb. 3.
Severns, Clayton. (See Hicks, John N., and Severns.)
Severns, Ray W., Lima, Ohio. Tray. 1,836,511; Dec. 15.
Seversky Aircraft Corporation. (See Procofieff-Seversky, Alexander, assignor.)
Severson, Ole, Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Tool holder with dovetail lock. 1,793,564; Feb. 24.
Severson, Ole, Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Combined post shank and bit. 1,835,992; Dec. 8.
Severy, Victor H., Los Angeles, Calif. Check protector. 1,815,076; July 21.
Sévigné, Henri A., Winthrop, assignor to National Bread Wrapping Machine Company, Springfield, Mass. Convertible wrapping machine. 1,808,181; June 2.
Seville, William, assignor to Draper Corporation, Hopedale, Mass. Loom stopping and starting mechanism. 1,834,352; Dec. 1.

Sevison, Harry D., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Curtain roller. 1,792,771; Feb. 17.
Sewall, Arthur W., assignor to The Barber Asphalt Company, Philadelphia, Pa. Mineral surfacing and mineralized roofing. 1,831,469; Nov. 10.
Sewall Paint & Varnish Company. (See Bartling, Howard G., assignor.)
Seward, Edward A., Columbus, Ga. Spare-tire attachment. 1,796,628; Mar. 17.
Seward, Emmett R., Brady, Tex. Side ditch scraper for ditchers. 1,831,324; Nov. 10.
Sewell, William N., Winchester, Ky. Brush carriage for electric machines. 1,797,483; Mar. 24.
Sexton, Corydon W., Fayetteville, N. C. Aircraft or other brake. 1,812,806; June 30.
Sexton, Earl, Hartford, Conn. Device for raising submerged vessels. 1,826,959; Oct. 13.
Sexton, Earl, Hartford, Conn. Pipe coupling. 1,832,054; Nov. 17.
Sexton, George A., Winchester, Mass. Compartment can. 1,803,566; May 5.
Sexton, George A., Brookline, Mass. Traveling lifting jack. 1,813,429; July 7.
Sexton, Lawrence E., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Tire. Des. 85,623; Nov. 24.
Sexton, Thomas D. (See Hegel, George W., assignor.)
Seydel, Karl. (See Schmidt, O., Seydel, and Roh.)
Seydler, Frank K., Urbana, Ill. Lamp. Des. 84,446; June 16.
Seyfried, Arthur W., Cleveland Heights, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Terminal block. 1,792,044; Feb. 10.
Seyfried, Warren R. (See Klugh, B. G., and Seyfried.)
Seyl, Joseph C., Evanston, Ill. Filing device. 1,814,191; July 14.
Seyler, Carl P., Pittsburgh, Pa. Insulator supporting post. 1,807,878; June 2.
Seymour, Amos, Westerly, R. I., assignor to Draper Corporation, Hopedale, Mass. Harness connecter for looms. 1,797,556; Mar. 24.
Seymour, Benjamin F., Washington, D. C. Vehicle construction and suspension. 1,793,337; Feb. 17.
Seymour, Charles, Little Rock, Ark. Exhaust nozzle 1,825,479; Sept. 29.
Seymour, Charles H., Kansas City, Mo. Radio static elimination. 1,797,371; Mar. 24.
Seymour, Frederick W. (See Gillen, D. A., and Seymour.)
Seymour, George W., Cumberland, Md., assignor to Celanese Corporation of America. Composition containing a derivative of cellulose. 1,828,449; Oct. 20.
Seymour, James M., Newark, N. J. Vertical tubular condenser. 1,809,914; June 16.
Seymour, Lawrence J. (See Sjostrand, E., and Seymour.)
Seymour Manufacturing Company. (See Crowe, Samuel L., assignor.)
Seymour Manufacturing Company. (See Fenn, George M., assignor.)
Seymour, Neville C., Jersey City, N. J. Game. 1,814,971; July 14.
Seymour, Robert W., et al. (See Franks, George A., assignor.)
Seymoure, Horace A., assignor to H. A. Seymoure, Incorporated, Norwalk, Conn. Finger nail clip. 1,836,557; Dec. 15.
Seymoure, Horace A., Incorporated. (See Seymoure, Horace A., assignor.)
Sferrazza, Giuseppe, Thompsonville, Conn. Life saving suit. 1,813,965; July 14.
Sgritta, Alfonso, Brooklyn, N. Y. Automatic wick threading machine. 1,803,871; May 5.
Shack, Vincent J., Chicago, Ill. Greasing device for outboard motors. 1,801,644; Apr. 21.
Shackleton, Samuel P., Wyoming, N. J., assignor to American Telephone and Telegraph Company. Relay arrangement. 1,790,771; Feb. 3.
Shacklett Automatic Card Feeder Company. (See Shacklett, William E., assignor.)
Shacklett, William E., Louisville, Ky. Printing press attachment. 1,832,055; Nov. 17.
Shacklett, William E., New Albany, Ind., assignor to Shacklett Automatic Card Feeder Company, Louisville, Ky. Printing press attachment. 1,810,256; June 16.
Shadberg Company. (See Vawter, John M., assignor.)
Shadle, Clinton F., Indianapolis, Ind., assignor to Air Development Company, Inc. Apparatus for conditioning air. 1,804,649; May 12.
Shadrick, Richard H., Minneapolis, Minn., assignor, by mesne assignments, to Milwaukee Gas Specialty Company, Milwaukee, Wis. Control for hot-water heaters. 1,800,323; Apr. 14.
Shadrick, Richard H., Minneapolis, Minn. assignor, by mesne assignments, to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermostatic control. 1,824,239; Sept. 22.
Shaefer, Aaron W., administrator. (See Wert, Cyrus S.)
Shaeffer, Edward J. (See Voorhees, V., and Shaeffer.)
Shaeffer, George D., assignor to W. A. Riddell Company, Bucyrus, Ohio. Road grader. 1,827,042; Oct. 13.
Shaen, Robert H., Ambler, Pa. Scale reader for draftsmen. 1,806,422; May 19.
Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Body center plate for railway vehicles. 1,819,269. Aug. 18.
Shafer, John J. (See Collings, W. R., and Shafer.)
Shafer, Moses B., Arkport, N. Y. Cow stanchion and stall. 1,797,159; Mar. 17.
Shafer, Samuel, jr., assignor to Chain Belt Company, Milwaukee, Wis. Mechanism for timing mixing and other operations. 1,800,666; Apr. 14.
Shafer, Samuel, jr., assignor to Chain Belt Company, Milwaukee, Wis. Concrete delivery apparatus. 1,805,602; May 19.
Shafer, Samuel, jr., assignor to Chain Belt Company, Milwaukee, Wis. Concrete mixer. 1,826,289; Oct. 6.
Shafer, Samuel, jr., and C. F. Ball, assignors to Chain Belt Company, Milwaukee, Wis. Batch meter. 1,827,879; Oct. 20.
Shafer, William L., Pittsburgh, Pa., assignor, by mesne assignments, to Penn Heat Control Company. Heat control system. 1,831,929; Nov. 17.
Shafer, William L., Mount Lebanon Township, Allegheny County, Pa., assignor to American Telephone and Telegraph Company. Selective signaling system. 1,833,000; Nov. 24.
Shaffer, Alfred E., Cambridge, Mass. Device for sorting data. 1,788,411; Jan. 13.
Shaffer, Charles M., Deep River, Iowa. End gate for trucks and other vehicles. 1,828,450; Oct. 20.
Shaffer, Larkin R., Garland, Utah. Lever-latching device. 1,797,623; Mar. 24.
Shaffer, Larkin R., Garland, Utah. Hen's nest. 1,817,588; Aug. 4.
Shaffer, Layton S., assignor to Byers Machine Company, Ravenna, Ohio. Digging tooth. 1,837,341; Dec. 22.
Shaffer, Ora C., Van Wert, Ohio, assignor of one-half to J. A. Roberts, Ravenna, Ky. Automatic car coupler. 1,827,621; Oct. 13.
Shaffer, Randolph, Atlanta, Ga. Fertilizer dispensing device. 1,814,572; July 14.
Shaffer, Randolph, Evanston, Ill. Fertilizer dispensing device. 1,814,573; July 14.
Shaffer, Rose, Philadelphia, Pa. Packaging container. 1,795,049; Mar. 3.
Shaffer, W. D. (See Jensen, Bertel M., assignor.)
Shaffer, Walter D., Chicago, Ill., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and apparatus for making shoes. 1,793,516; Feb. 24.
Shaffer, William D., Brea, Calif. Jar mechanism for well drilling. 1,803,732; May 5.
Shaffer, William D., Brea, Calif. Control casing head. 1,838,503; Dec. 29.
Shaffrank, Elliott J., Cleveland, Ohio. Trailer cab. Des. 85,349; Oct. 13.
Shafor, Ralph W., Denver, Colo. Apparatus for effecting reactions between sucrose and quicklime. 1,800,667; Apr. 14.
Shaft-Pierce Shoe Company. (See Shaft, Willis S., assignor.)
Shaft, Willis S., assignor to Shaft-Pierce Shoe Company, Faribault, Minn. Apparatus for channeling shoes. 1,808,687; June 2.
Shafter, Adolph F., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Folding implement. 1,829,192; Oct. 27.
Shahan, John L., Chicago, Ill. Telephone stand. 1,819,977; Aug. 18.
Shahan, Orville B., Tunnelton, W. V. Fishplate with lugs. 1,805,421; May 12.
Shailor, Frank E., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Antirattling device for window regulator clutches. 1,830,003; Nov. 3.
Shainline, Joseph B., assignor of one-half to H. Slemmer, Morristown, Pa. Aircraft construction. 1,813,430; July 7.
Shainline, Joseph B., assignor of one-half to H. Slemmer, Norristown, Pa. Aircraft propelling means. 1,829,064; Oct. 27.
Shakeproof Lock Washer Company. (See Gribbie, John M., assignor.)
Shakeproof Lock Washer Company. (See Hosking, Richard T., assignor.)
Shakeproof Lock Washer Company. (See Liljeberg, Carl G., assignor.)
Shakeproof Lock Washer Company. (See Olson, Carl G., assignor.)
Shakespeare Company. (See Buchanan, Ernest L., assignor.)
Shakespeare Company. (See Burdick, Frank, assignor.)
Shakespeare Company. (See Russell, Samuel G., assignor.)
Shakespeare Company. (See Shakespeare, William, jr., assignor.)
Shakespeare, Monroe. (See Potter, R. R., and Shakespeare.)
Shakespeare Products Company. (See Kai, Louis H., assignor.)
Shakespeare Products Company. (See Potter, R. R., and Shakespeare, assignors.)
Shakespeare, William, jr., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,812,220; June 30.
Shakespeare, William M., South Orange, N. J., assignor to Anaconda Sales Company, New York, N. Y. Flashing material. 1,813,089; July 7.
Shakespeare, William M., South Orange, N. J., assignor to Anaconda Sales Company, New York, N. Y. Metal-protected roofing. 1,819,270; Aug. 18.

Shakhnazarov, Armenak I., Baku, Union of Socialist Soviet Republics. Device for measuring deviations of drilled wells. 1,823,336; Sept. 15.
Shaler Company, The. (See Moormann, Thomas A., assignor.)
Shaler, Saul, assignor to Electric Razor Corporation of America, New York, N. Y. Vibratory safety razor. 1,788,547; Jan. 13.
Shaler, Saul, New York, N. Y., assignor, by mesne assignments, to Electric Razor Corporation of America, Baltimore, Md. Electric razor. 1,833,916; Dec. 1.
Shallcross Company, The. (See Shallcross, Herbert L., assignor.)
Shallcross, Herbert L., Collingdale, Pa., assignor to The Shallcross Company, Philadelphia, Pa. Stencil sheet. Re18,205; Sept. 22.
Shalledy, F. H. (See Kurtz, W. J., and Shelledy.)
Shallock, Edward W., assignor to American Ore Reclamation Company, Chicago, Ill. Sintering machine. 1,800,571; Apr. 14.
Shambaugh, Howard A., Miami, Fla. Combined chair and ladder. 1,831,143; Nov. 10.
Shambow, John C., Salem, N. H., assignor to United Shoe Machinery Corporation, Paterson, N. J. Wood heel concaving machine. 1,834,075; Dec. 1.
Shamp, Herbert, Memphis, Tenn. Method and apparatus for treating fiber-bearing plants. 1,821,673; Sept. 1.
Shampay, Pascal J., Indianapolis, Ind. Carpet-dusting apparatus. 1,789,086; Jan. 13.
Shampay, Pascal J., Indianapolis, Ind. Rug rolling machine. 1,815,333; July 21.
Shampay, Pascal J., Indianapolis, Ind. Cleaning machine. 1,832 839; Nov. 17.
Shanck, Roy B., Flushing, N. Y., assignor to American Telephone & Telegraph Company. Telegraph repeater arrangement. 1,804,547; May 12.
Shand, Errol B., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Metal tank rectifier. 1,817,714; Aug. 4.
Shand, Errol B., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balance transformer connection for rectifiers. 1,823,917; Sept. 22.
Shand, Errol B., and L. Smede, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Seal for metal-tank rectifiers and the like. 1,806,313; May 19.
Shand, Reginald C., Piedmont, Calif. Drain fitting. 1,802,481; Apr. 28.
Shand, Reginald C., Berkeley, Calif. Oil dispensing device. 1,803,359; May 5.
Shane, Nathaniel C., jr. (See Platt, H., and Shane, assignors.)
Shangle, Amos H., Roselle, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph apparatus. 1,837,237; Dec. 22.
Shanholtzer, Earl L., Hollywood, Calif. Easel. 1,803,511; May 5.
Shank, Arthur E., Cleveland Heights, G. Fisler, Cleveland, and J. M. Linden, East Cleveland, assignors to The Van Dorn Iron Works Company, Cleveland, Ohio. Jail door mechanism. 1,811,246; June 23.
Shank, Charles L., North Canton, Ohio, assignor to The Hoover Company. Suction cleaner agitator. 1,815,077; July 21.
Shank, Charles L., North Canton, Ohio, assignor to The Hoover Company. Brush. 1,835,672; Dec. 8.
Shankland, Beal W., Shreveport, and A. T. Duncan, Trees, La., assignors to Standard Oil Development Company. Polish rod guide. 1,837,839; Dec. 22.
Shanklin, George B., Schenectady, N. Y., assignor to General Electric Company. Oil-filled lead covered electric cables. 1,833,798; Nov. 24.
Shann, Oscar A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Lock. 1,793,254; Feb. 17.
Shannehan, Arthur W., Roslindale, Mass., assignor to The Lamson Company, Syracuse, N. Y. Pneumatic dispatch carrier. 1,826,833; Oct. 13.
Shannon, Carson H., assignor to American Electric Brake Corporation, Los Angeles, Calif. Electrically operated brake for motor vehicles. 1,808,182; June 2.
Shannon, Ellwood M. (See Fry, L. H., and Shannon.)
Shannon, Ellwood M. (See Keen, J. S., and Shannon.)
Shannon, Ellwood M., Bala, Pa. Engine truck. 1,789,199; Jan. 13.
Shannon, Ellwood M., Bala, Pa. Engine truck. 1,793,338; Feb. 17.
Shannon, Ellwood M., Bala, Pa. Engine truck. 1,831,722; Nov. 10.
Shannon, Henry W., assignor to Worcester Loom Works, Worcester, Mass. Gripper for tuft weaving looms. 1,816,938; Aug. 4.
Shannon, John, assignor to Postermatic Limited, Birmingham, England. Advertising or display apparatus. 1,829,459; Oct. 27.
Shanor, Edgar E., Sharon, assignor to The Petroleum Iron Works Co. of Ohio, Sharon, Pa. Floating roof seal. 1,825,639; Sept. 29.
Shanor, Edgar E., assignor to The Petroleum Iron Works Co. of Ohio, Sharon, Pa. Storage tank. 1,835,815; Dec. 8.
Shanton, Ira A., St. Petersburg, Fla. Lawn mower sharpener attachment. 1,804,439; May 12.
Shapack, Isrial H., Brooklyn, N. Y. Shoe strap or similar article. Des. 83,927; Apr. 14.
Shapiro, Abraham, assignor to Universal Stamping & Mfg. Co., Chicago, Ill. Casing for a cinematograph. Des. 84,497; June 23.
Shapiro, Abraham, assignor to Universal Stamping & Mfg. Co., Chicago, Ill. Safety shutter for cinematographs. 1,830,567; Nov. 3.
Shapiro, Harry, New York, N. Y. Ventilator. 1,821,674; Sept. 1.
Shapiro, Henry, Philadelphia, Pa. Garment hanger. 1,803,512; May 5.
Shapiro, Hyman, New York, assignor, by mesne assignments, to The M. Propp Co. Inc., New York, N. Y. Electrical socket. 1,838,329; Dec. 29.
Shapiro, Jacob, Brooklyn, N. Y. Ice bag and the like article. 1,834,978; Dec. 8.
Shapiro, Joseph. (See Balton, James L., assignor.)
Shapiro, Joseph. (See Gerber, David, assignor.)
Shapiro, Joseph. (See Woodward, William B., assignor.)
Shapiro, Lazarus, New York, N. Y. Sound radiating apparatus. 1,808,512; June 2.
Shapiro, Lazarus, Bronx, N. Y., assignor to Radio Corporation of America. Variable condenser. 1,819,692; Aug. 18.
Shapiro, Lazarus, New York, N. Y., assignor to Radio Corporation of America. Power supply means for radio receiving apparatus. 1,823,066; Sept. 15.
Shapiro, Lazarus, New York, N. Y., and P. J. Larsen, Cranford, N. J., assignors to Radio Corporation of America. Radiocabinet with adjustable loop. 1,826,437; Oct. 6.
Shapiro, Philip, Los Angeles, Calif. Lubricator indicator. 1,806,423; May 19.
Shapley, Cooper, Bishop, Calif. Centrifugal machine. 1,828,548; Oct. 20.
Shappell, Lemert, Levering, Mich. Snow remover. 1,822,827; Sept. 8.
Sharer, Samuel S., H. W. Kugler, F. V. Smith, Pittsburg, and G. L. Hurst, San Francisco, assignors to Pioneer Rubber Mills, San Francisco, Calif. Tube-coiling machine. 1,788,749; Jan. 13.
Sharman, Meave W., San Diego, Calif. Piano key reflecting device. 1,829,065; Oct. 27.
Sharp, Allen W., assignor to Johnston Pressed Gear Co., Ottumwa, Iowa. Laminated ratchet pinion. 1,835,345; Dec. 8.
Sharp, Bertie, Birmingham, assignor of one-half to S. C. Icke, Hallscroft, Church Stretton, Shropshire, England. Milling cutter. 1,797,026; Mar. 17.
Sharp & Dohme, Incorporated. (See Pittenger, P. S., and Richards, assignors.)
Sharp, Harry C. (See Wood, E. S., Haden, Sharp, and Ashmore.)
Sharp, James A., Hamilton, N. Dak. Snow-packing machine. 1,796,166; Mar. 10.
Sharp, John, Cleveland, Ohio. Aerofoil for aeroplanes. 1,831,780; Nov. 10.
Sharp, John C., Oak Park, Ill., assignor to Standard Oil Company, Whiting, Ind. Cold brass rolling. 1,789,054; Jan. 13.
Sharp, John C., Chattanooga, Tenn., assignor to Nathan Manufacturing Company, New York, N. Y. Wood oil feeder and producing the same. 1,804,234; May 5.
Sharp, John E., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Replaceable container seal. 1,796,728; Mar. 17.
Sharp, John E., New Kensington, Pa., and R. W. Niver, Elmira, N. Y., assignors to Aluminum Company of America, Pittsburgh, Pa. Closure. 1,796,729; Mar. 17.
Sharp, John W., Bozeman, Mont. Loader attachment for trucks. 1,791,979; Feb. 10.
Sharp, Kirby, Odem, Tex. Rail joint. 1,789,200; Jan. 13.
Sharp, Lewis, Huntington Park, Calif. Mowing machine. 1,805,927; May 19.
Sharp, Paul F., assignor to Cornell University, Ithaca, N. Y. Preparing lactose. 1,810,682; June 16.
Sharp, Robert H., Marengo, assignor to McGill Metal Products Company, Chicago, Ill. Portable change maker. 1,794,925; Mar. 3.
Sharp & Van Fleet Manufacturing Co. (See Van Fleet, Walter N., assignor.)
Sharp, William E., Chicago, Ill. Manufacturing nut blanks. 1,794 737; Mar. 3.
Sharp, William E., Chicago, Ill. Nut. 1,795,517; Mar. 10.
Sharp, William E., Chicago, Ill. Apparatus for producing bolt nuts. 1,795,518; Mar. 10.
Sharp, William L., assignor to The Ohio Foundry & Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 83,574; Mar. 3.
Sharp, William L., assignor to The Ohio Foundry & Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 83,575; Mar. 3.
Sharp, William L., assignor to The Ohio Foundry & Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 83,576; Mar. 3.
Sharpe, Carlton B., Saginaw, Mich. Vacuum ventilating stove hood. 1,827,956; Oct. 20.
Sharpe, George G., Ulcombe, assignor to The Governor and Company of Adventurers of England Trading Into Hudson's Bay, London, England. Stretching rabbit and other skins. 1,805,379; May 12.
Sharpe, Harry, Boston, Mass. Wall construction and unit therefor. 1,795,451; Mar. 10.

Sharples, Laurence P., Chester, assignor to The Sharples Specialty Company, Philadelphia, Pa. Centrifugal process and apparatus. 1,829,547; Oct. 27.
Sharples Separator Company, The. (See Wendt, Herman D., assignor.)
Sharples Specialty Company, The. (See Ayres, Arthur U., assignor.)
Sharples Specialty Company, The. (See Bath, Wilmer H., assignor.)
Sharples Specialty Company, The. (See Clark, Lee H., assignor.)
Sharples Specialty Company, The. (See Cloukey, H., and Clark, assignors.)
Sharples Specialty Company, The. (See Jones, Leo. D., assignor.)
Sharples Specialty Company, The. (See Sharples, Laurence P., assignor.)
Sharpsville Boiler Works Company. (See Fagan, Charles D., assignor.)
Shartle, Daniel H., Middletown, Ohio. Beater roll. 1,838,875; Dec. 29.
Shatkin, Aaron, Brooklyn, N. Y. Collapsible housing for writing instruments. 1,807,444; May 26.
Shatkin, Aaron, New York, N. Y. Making ellipsoidal shells and tubes. 1,831,397; Nov. 10.
Shatto, Carl W., Sebastopol, Calif. Fruit dipper. 1,805,380; May 12.
Shattow, Emil E., Chicago, Ill. Drafting attachment. 1,794,648; Mar. 3.
Shatzer, John A., and A. G. Steinmayer, assignors to Electrical Engineers Equipment Company, Chicago, Ill. Electrical current carrying equipment. 1,802,986; Apr. 28.
Shaukis, Arthur J., Haverhill, Mass. Atomizer. 1,825,608; Sept. 29.
Shaul, Sherman, Williamsburg, Iowa. Flood valve. 1,794,422; Mar. 3.
Shaut, Edwin J., Tujunga, Calif., assignor to Baker Line Machinery Co., Ltd. Lime-slacking machine. 1,796,411; Mar. 17.
Shave, Albert D., Port aux Basques, Newfoundland. Life-preserving suit. 1,792,125; Feb. 10.
Shaver, Archibald G. (See Kendall, Allen B., assignor.)
Shaver, Archibald G., Chicago, Ill. Railroad crossing traffic system. 1,813,260; July 7.
Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Devices Co., Inc., New York, N. Y. Automatic train control system, intermittent type with roadside energy. 1,812,989; July 7.
Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Automatic train control systems intermittent type with vehicle energy. 1,812,990; July 7.
Shaver, Clarence W., Raymore, Saskatchewan, Canada. Charge-forming device. 1,800,478; Apr. 14.
Shaver, James E., jr., Philadelphia, Pa., assignor to Underwood Elliott Fisher Company, New York, N. Y. Stenciling machine. 1,828,298; Oct. 20.
Shaver, Phillip A., Puente, Calif. Adjustable high chair. 1,800,668; Apr. 14.
Shaw, Allan B., assignor to W. C. Shaw, Delaware, Ohio. Excavating and scraping apparatus. 1,811,030; June 23.
Shaw, Arthur E., assignor to Pennsylvania Globe Company, Philadelphia, Pa. Globe holder. 1,828,625; Oct. 20.
Shaw, Arthur E., assignor to Pennsylvania Globe Company, Philadelphia, Pa. Globe holder. 1,833,978; Dec. 1.
Shaw, Arthur M., New Orleans, La. Shore protecting device. 1,823,224. Sept. 15.
Shaw, Charles E., Cranford, N. J., assignor to Standard Oil Development Company. Electric welding shield. 1,834,655; Dec. 1.
Shaw, Clarence F., Los Angeles, assignor to The Bolton Printing Company, Inc., San Pedro, Calif. Milk bottle collar. 1,837,495; Dec. 22.
Shaw, Clyde M., Manhattan, Kans. Dent removing tool. 1,826,834; Oct. 13.
Shaw-Crane-Putnam Machine Company. (See Dustan, Frank, assignor.)
Shaw-Crane-Putnam Machine Company. (See Minty, John E., assignor.)
Shaw, Dexter N. (See Sebrell, L. B., and Shaw.)
Shaw, Edward W., Imperial Beach, Calif. Trailer. 1,835,436; Dec. 8.
Shaw, Ernest C. (See Hagmaier, W. G., and Shaw.)
Shaw, George R., London, England. Casement window. 1,821,449; Sept. 1.
Shaw, Harold F., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Clothes hamper. 1,799,621; Apr. 7.
Shaw, Harold N., Milwaukee, Wis., assignor, by mesne assignments, to Globar Corporation, Niagara Falls, N. Y. 1,816,660; July 28.
Shaw, Harry A., East Lansing, Mich., assignor to Reo Motor Car Company, Lansing, Mich. Radiator shell for automobiles. Des. 84,603; July 7.
Shaw, Harry A., East Lansing, assignor to Reo Motor Car Company, Lansing, Mich. Radiator. Des. 85,210; Sept. 22.
Shaw, Harry A., East Lansing, Mich., assignor to Reo Motor Car Company, Lansing, Mich. Radiator. Des. 85,891; Dec. 29.
Shaw, Herbert, assignor to Berger Bros. Company, Philadelphia, Pa. Pipe fastener. 1,816,443; July 28.
Shaw, Herbert, assignor to Berger Bros. Company, Philadelphia, Pa. Gutter hanger circle. 1,823,631, Sept. 15.
Shaw, James, Paterson, N. J. Tension device for automatic loom shuttles. 1,832,742; Nov. 17.
Shaw, James W., Chicago, Ill. Safety bank check. 1,807,445; May 26.
Shaw, John C. and R. D., assignors to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Magnetic-clutch gear-case unit. 1,789,116; Jan. 13.
Shaw, John C. and R. D., assignors to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Cam-grinding machines. 1,796,125; Mar. 10.
Shaw, John C. and R. D., assignors to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Screw driver screw holding device. 1,815,594; July 21.
Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Spring strike for doorlocks. 1,796,307; Mar. 17.
Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Indicator door chain. 1,799,258; Apr. 7.
Shaw, John H., New Haven, assignor to Sargent & Company, New Haven, Conn. Lock. 1,804,956; May 12.
Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock key. 1,821,361; Sept. 1.
Shaw, John S., Fazakerley, Liverpool, England. Speed changing and reversing gear. 1,825,552; Sept. 29.
Shaw, John S., Liverpool, G. W. Watson, London, and W. Heap, Liverpool, England. Speed varying and reversing gear. 1,790,772; Feb. 3.
Shaw, John W., Norwood, N. J. Crib. 1,788,960; Jan. 13.
Shaw, John W., Norwood, N. J. Bed construction. 1,801,248; Apr. 14.
Shaw, John W., Norwood, N. J., assignor to Bing & Bing, Inc. Awning fixture. 1,808,823; June 9.
Shaw, Joseph A., assignor to The Koppers Company, Pittsburgh, Pa. Treatment of phenol-bearing liquors. 1,832,140; Nov. 17.
Shaw, Joseph B. (See Pine, W. B., and Shaw.)
Shaw, Kenneth R., and P. A. Salmon, Newark, N. J. Sleeve attachment for electric cables and conduits. 1,803,872; May 5.
Shaw, Leon I., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Suspension. 1,806,183; May 19.
Shaw, Lewis A., Washington County, Oreg. Harvester. 1,805,744; May 19.
Shaw, Louis A. (See Drinker, P., and Shaw.)
Shaw, Myril C. (See Pine, W. B., and Shaw.)
Shaw, N. Carter, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Sheathing driving tool. 1,827,957; Oct. 20.
Shaw, Noble C. (See O'Meara, T. J., and Shaw.)
Shaw, Noble C. (See Wells, W. B., and Shaw.)
Shaw, Noble C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,797,275; Mar. 24.
Shaw, Noble C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,812,175; June 30.
Shaw, Noble C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,837,796; Dec. 22.
Shaw, Noble C., Swissvale, and T. J. O'Meara, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Holding instruments. 1,809,639; June 9.
Shaw, Percy G., Bridgeport, Conn., assignor to General Electric Company. Snap switch. 1,816,749; July 28.
Shaw, Robert A., Detroit, Mich. Guard device for wood shapers. 1,812,452; June 30.
Shaw, Robert D. (See Shaw, John C. and R. D.)
Shaw, Robert G. (See Green, A. T., and Shaw.)
Shaw, Virgil F. (See Sams, J. A., and Shaw.)
Shaw, W. S., Company. (See Russell, Robert C., assignor.)
Shaw-Walker Company. (See Hunter, David E., assignor.)
Shaw, Wesley C. (See Shaw, Allan B., assignor.)
Shaw, Wesley J., assignor to New England Wood Heel Co., Haverhill, Mass. Guard for wood heel turning machines. 1,828,089; Oct. 20.
Shaw, Wesley J., Haverhill, and M. E. Bastow, Groveland, assignors to New England Wood Heel Co., Haverhill, Mass. Guard for wood-heel turning machines. 1,824,375; Sept. 22.
Shaw, William E. V., and D. B. and R. H. Benham, Minneapolis, Minn. Butter handling device. 1,810,226; June 16.
Shaw, William H., Scranton, Pa. Guide for power reverse gear floating levers. 1,819,795; Aug. 18.
Shawmutt Engineering Company. (See Hathaway, E. F., and Bixby, assignors.)
Shawver, Charles I., Springfield, Ohio. Woodworking machine. 1,796,054; Mar. 10.
Shea, James P., Forest Park, Ill. Laundry machine safety release. 1,822,752; Sept. 8.
Shea, John H., assignor of one-third to W. A. Edwards, one-sixth to Charles M. Snaith, and one-sixth to John Collins, Weston, W. Va. Automatic valve for gas lines. 1,791,980; Feb. 10.
Shea, John R., River Forest, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Drive for screw machines and the like. 1,810,227; June 16.
Sheaffer, Craig R., Fort Madison, Iowa, assignor, by mesne assignments, to Pen Desk Set Company. Fountain pen desk set. 1,807,227; May 26.
Sheaffer, W. A., Pen Company. (See Cuthbert, William R., assignor.)

Sheafor, Dee L., Chicago, Ill., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper-making machinery. 1,791,384; Feb. 3.
Sheahan, Frank I., assignor to M. H. Detrick Company, Chicago, Ill. Furnace construction. 1,829,159; Oct. 27.
Shean, Lee F., Berkeley, Calif. Ice-cream-cone cup holder. 1,800,759; Apr. 14.
Sheard, George H., Athena, Oreg. Weeder. 1,788,360; Jan. 6.
Sheard, Joseph H., assignor to David Lupton's Sons Company, Philadelphia, Pa. Awning. 1,803,305; Apr. 28.
Sheard, Joseph H., assignor to David Lupton's Sons Company, Philadelphia, Pa. Rack and pinion operator. 1,819,574; Aug. 18.
Sheard, Joseph H., assignor to David Lupton's Sons Company, Philadelphia, Pa. Window construction. 1,826,678; Oct. 8.
Sheard, Joseph H., and H. S. Getty, assignors to David Lupton's Sons Company, Philadelphia, Pa. Window latching device. 1,823,173; Sept. 15.
Shearer, Colin T. A., Spilmans Grove, Hayes, England. Boot and shoe heel. 1,803,215; Apr. 28.
Shearer, Dall C., Dayton, Ohio, assignor to Delco-Remy Corporation, Anderson, Ind. Molding commutator brushes. 1,831,144; Nov. 10.
Shearer, Douglas G., Santa Monica, assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Combined sound and view film and making the same. 1,829,912; Nov. 3.
Shearer, George W. (See Wilson, J. S., Shearer, and Thomas.)
Shearer, Ralph L., Montclair, N. J. Container closure. 1,791,003; Feb. 3.
Shearer, Ray R., Cleveland, Ohio. Radiocabinet. Des. 85,305; Oct. 6.
Shearer, Ray R., Cleveland, Ohio. Radiocabinet. Des. 85,306; Oct. 6.
Shears, James H., Oklahoma City, Okla. Game. 1,807,074; May 26.
Sheboygan Couch Company. (See Meves, Charles W., assignor.)
Sheboygan Machine Company. (See Kummer, Charles J., assignor.)
Sheck, Oscar, and E. Tranaas, assignors to Koehring Company, Milwaukee, Wis. Control mechanism for distributing buckets. 1,815,682; July 21.
Sheckels, Roscoe C., and G. R. Carson, Bradford, Pa., assignors of one-half to W. D. Fote, Olean, one-fourth to Adolph Rovito, Syracuse, and one-fourth to Anthony Sanzo, Olean, N. Y. Line tightener. 1,792,468; Feb. 10.
Shedd, Hugh E., Minneapolis, Minn. Calendar. 1,835,098; Dec. 8.
Shedd, Hugh F., Minneapolis, Minn. Calendar. 1,810,440; June 16.
Shedden, Frank, Coventry, A. E. Delph, Bocking, and N. G. Baguley, Coventry, assignors to Courtaulds Limited, London, England. Manufacture and production of artificial silk and apparatus therefor. 1,790,599; Jan. 27.
Shee, Parke B., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Separator. 1,791,250; Feb. 3.
Shee, Parke B., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Separator. 1,817,464; Aug. 4.
Shee, Parke B., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Separator. 1,817,465; Aug. 4.
Sheehan, Carrie M., Seattle, Wash. Supporter attachment. 1,831,038; Nov. 10.
Sheehan, John J., New York, N. Y. Frame for mirrors, pictures, and the like. 1,788,209; Jan. 6.
Sheehan, Thomas C. (See Hubn, F. E., and Sheehan.)
Sheehan, Thomas C., Upper Montclair, N. J., assignor to Durham Duplex Razor Company. Heat treating razor blade strips. 1,824,410; Sept. 22.
Sheehan, Thomas C., Upper Montclair, N. J., assignor to Durham Duplex Razor Company. Making razor blades. 1,838,116; Dec. 29.
Sheehan, Thomas C., Upper Montclair, assignor to Wade & Butcher Corporation, Jersey City, N. J. Grinding machine. 1,838,196; Dec. 29.
Sheehan, William M., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Railway-locomotive structure. 1,793,517; Feb. 24.
Sheehan, William M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Oil electric locomotive platform. 1,801,938; Apr. 21.
Sheehan, William M., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Railway car underframe. 1,811,975; June 30.
Sheehan, William M., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Car structure. 1,811,976; June 30.
Sheehan, William M., St. Louis, Mo., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Railway car draft sill. 1,811,977; June 30.
Sheehan, William M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive frame. 1,833,094; Nov. 24.
Sheehan, William M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Cab underframe. 1,835,673; Dec. 8.
Sheehan, William M., Merion, Pa., and H. M. Pflager, St. Louis, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Locomotive driving wheel structure. 1,825,480; Sept. 29.
Sheely, Madison L. (See Powell, J. R., Sheely, and Smith.)
Sheely, Robert R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Squirrel cage motor. 1,823,337; Sept. 15.
Sheen, Milton R., Philadelphia, Pa. Automobile excavator. 1,792,772; Feb. 17.
Sheen, Milton R., Philadelphia, Pa., assignor to Tunnel Machine Manufacturing and Engineering Company, Philadelphia, Pa. Tunneling machine. 1,800,361; Apr. 14.
Sheer, H. M., Company. (See Kuenhold, Otto J., assignor.)
Sheer, H. M., Company. (See Williams, James R., assignor.)
Sheer, H. M., Company. (See Williams, Robert T., assignor.)
Sheeran, Hugh J. (See Curran, Thomas A., assignor.)
Sheerar, Frank B., Omro, Wis. Service window for motor vehicles. 1,808,263; June 2.
Sheets, Barton R., assignor to Gardner-Denver Company, Denver, Colo. Furnace for heating drill steels. 1,810,683; June 16.
Sheets, Barton R., assignor to Gardner-Denver Company, Denver, Colo. Tool holding chuck. 1,832,141; Nov. 17.
Sheets, Barton R., and C. M. Stewart, assignors to Gardner-Denver Company, Denver, Colo. Fluid operated tool. 1,826,095; Oct. 6.
Sheinman, Morris, New York, N. Y. Lock. 1,814,771; July 14.
Sheip & Vendegrift, Inc. (See Vandegrift, Nelson M., assignor.)
Shekter, Abraham J., Jamaica, N. Y. Tooth paste tube holder. 1,813,323; July 7.
Shekter, Abraham J., Jamaica, N. Y. Circuit controller. 1,821,727; Sept. 1.
Shelander, Gus O. (See Barner, L. D., and Shelander.)
Shelburne, Arthur, Terre Haute, Ind., assignor to Sullivan Machinery Company. Material handling apparatus. 1,828,751; Oct. 27.
Shelburne, Augustine, South Pasadena, Calif. Air-brush nozzle. 1,790,513; Jan. 27.
Shelby, Peter, jr., Fenton, Mich. Rim extension for tractor wheels. 1,815,117; July 21.
Sheldon, Daniel F., Montalvo, Calif. Skeleton tetrahedron for jetties and current deflectors. 1,814,495; July 14.
Sheldon, Edward P., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Cutting mechanism. 1,797,448; Mar. 24.
Sheldon Electric Corporation. (See Sheldon, Harold H., assignor.)
Sheldon, Harold H., Yonkers, assignor to Sheldon Electric Corporation, New York, N. Y. System and apparatus for comparing light intensities. 1,834,905; Dec. 1.
Sheldon, Harry E., Pittsburgh, Pa. Casting annealing box covers. 1,800,848; Apr. 14.
Sheldon, Henry A., Buffalo, N. Y., assignor to Sprague-Sells Corporation, Hoopeston, Ill. Device for trimming corn. 1,807,348; May 26.
Sheldon, Henry C., Chicago, Ill., assignor to Gifford-Wood Company, Hudson, N. Y. Trolley for bucket conveyers. 1,791,844; Feb. 10.
Sheldon, Howard W., East Orange, N. J., assignor to Vacuum Oil Company, New York, N. Y. Apparatus for removing carbonaceous material from oil apparatus. 1,800,964; Apr. 14.
Sheldon Machinery Corporation. (See Sheldon, Waldo, assignor.)
Sheldon, Raymond C., Omaha, Nebr. Portable stall gate. 1,814,972; July 14.
Sheldon, Samuel B., deceased, Duluth, Minn.; First and American National Bank of Duluth, executor. Ingot making. 1,795,519; Mar. 10.
Sheldon, Waldo, South Norwalk, Conn., assignor to Sheldon Machinery Corporation, New York, N. Y. Well drilling apparatus. 1,801,391; Apr. 21.
Sheldon, Waldo, South Norwalk, Conn., assignor to Sheldon Machinery Corporation, New York, N. Y. Well drilling apparatus. 1,812,721; June 30.
Sheldon, Waldo, South Norwalk, Conn. Well drilling apparatus. 1,832,841; Nov. 17.
Sheldon, William O., Lakewood, Ohio. Manufacture of metal lumber. 1,833,043; Nov. 24.
Sheldrick, Lawrence S., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Automobile steering column. 1,788,692; Jan. 13.
Sheldrick, Lawrence S., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Starting motor switch. 1,830,914; Nov. 10.
Sheldrick, Lawrence S., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Transmission. 1,830,915; Nov. 10.
Shelkofsky, Herman A., assignor of one-half to H. C. Stowers, Montgomery, Ala. Weeder. 1,822,675; Sept. 8.
Shell Development Company. (See Carter, Lester L., assignor.)
Shell Development Company. (See Kramer, Gustav A., assignor.)
Shell Development Company. (See Pyzel, Daniel, assignor.)
Shell Development Company. (See Taylor, Jack F. M., assignor.)

Shell Development Company. (See Van Senden, Gerhardus H., assignor.)
Shell Eastern Petroleum Products, Inc. (See Eaton, Albion K., assignor.)
Shell, Emmett D. (See Hampton, J. C., and Shell.)
Shell Oil Company. (See Kimball, Thomas B., assignor.)
Shell Oil Company. (See Miller, Robert H., assignor.)
Shell Petroleum Corporation. (See Carney, Samuel C., assignor.)
Shell Petroleum Corporation. (See Carney, S. C., Baker, and Cutting, assignors.)
Shell Petroleum Corporation. (See Thornburgh, Hubert R., assignor.)
Shelledy, James K., Harvey, Ill. Timing device. 1,823,668; Sept. 15.
Shellenberger, Rolfe, Bethlehem, assignor to Fuller Lehigh Company, Fullerton, Pa. Furnace block. 1,804,957; May 12.
Sheller, John C., assignor of one-half to F. E. White, and one-half to W. B. Hintze, Chicago, Ill. Fuse plug. 1,798,174; Mar. 31.
Sheller, John C., assignor of one-half to F. E. White and one-half to W. B. Hintze, Chicago, Ill. Fuse plug. 1,835,905; Dec. 8.
Sheller, Samuel H., Marion, Pa. Fruit basket top applying tool. 1,806,717; May 26.
Sheller, Samuel H., Marion, Pa. Combined clamp and lifter for fruit packing tubs. 1,810,257; June 16.
Shelmire, Stanley R., assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Stop mechanism for knitting machines. 1,831,200; Nov. 10.
Shelton, Dwight J., assignor to The Marion Steam Shovel Company, Marion, Ohio. Crawling traction mechanism. 1,804,816; May 12.
Shelton, Dwight J., assignor to The Marion Steam Shovel Company, Marion, Ohio. Excavating apparatus. 1,814,863; July 14.
Shelton, Harry J., University City, Mo. Pneumatic discharge pan. 1,798,814; Mar. 31.
Shelton, Harry J., University City, Mo. Cold molasses feeder. 1,829,066; Oct. 27.
Shelton, Harry J., St. Louis, Mo. Crusher and pulverizer. 1,808,264; June 2.
Shelton, Ira J., Detroit, and C. V. Jacobi, Grosse Pointe Farms, Mich. Automobile tire. 1,814,340; July 14.
Shelton, Ray. (See Kiger, O. C., and Shelton.)
Shelton, William G., St. Louis, Mo. Hair-waving-machine cabinet. Des. 83,472; Feb. 24.
Shelton, William G., St. Louis, Mo. Hair waver. 1,790,727; Feb. 3.
Shelton, William G., St. Louis, Mo. Hair-waving device. 1,790,879; Feb. 3.
Shelton, William G., St. Louis, Mo. Hair-waving apparatus. 1,793,754; Feb. 24.
Shelton, William G., St. Louis, Mo. Hair waving clamp. 1,820,763; Aug. 25.
Shelton, William G., St. Louis, Mo. Hair curling device. 1,831,827; Nov. 17.
Shelton, William M., Orchid, Va. Spring tooth and spring disk harrow. 1,817,851; Aug. 4.
Shenk, Charles J., Westminster, Pa. Expanding mandrel. 1,825,925; Oct. 6.
Shenk, William S., assignor of one-third to B. R. Landis and one-third to E. K. Landis, Lancaster, Pa. Vine divider. 1,789,159; Jan. 13.
Shenker, Fred A., and I. Weissberg, East Cleveland, Ohio. Amusement device. Des. 85,774; Dec. 15.
Shenstone, Osborne H. (See Johnston, H. M., and Shenstone.)
Shepard, Bernard J., Brooklyn, N. Y. Windshield wiper. 1,811,440; June 23.
Shepard, Charles. (See Miller, John M., assignor.)
Shepard, Clayton P., assignor, by mesne assignments, to trustees of the Universal Utility Company, Dallas Center, Iowa. Spout for sirup containers. 1,791,004; Feb. 3.
Shepard, Earnest D., et al., trustees. (See Shepard, Earnest D., assignor.)
Shepard, Earnest D., assignor to E. D. Shepard, M. M. Silkebaken, and C. O. Silkebaken, trustees of Universal Utility Company, Dallas Center, Iowa. Container supporting and tilting stand. 1,791,005; Feb. 3.
Shepard, Ernest, Conception Junction, Mo. Lantern burner. 1,828,090; Oct. 20.
Shepard, Frank B., Texon, Tex. Lead clamp. 1,798,815; Mar. 31.
Shepard, Frederick J., jr., Auburndale, and N. Warshaw, Boston, assignors to Lewis-Shepard Company, Watertown, Mass. Portable hoisting machine. 1,789,025; Jan. 13.
Shepard, James A., assignor to Shepard-Niles Crane & Hoist Corporation, Montour Falls, N. Y. Electrical conductor. 1,824,934; Sept. 29.
Shepard-Niles Crane & Hoist Corporation. (See Shepard, James A., assignor.)
Shepard, Oscar F., Cincinnati, Ohio. Polyphase magnet. 1,789,417; Jan. 20.
Shepard, Oscar F., Cincinnati, Ohio. Motor control. 1,810,441; June 16.
Shepard, Oscar F., Cincinnati, Ohio. Alternating current relay. 1,835,906; Dec. 8.
Shepard, Phil, Owosso, Mich. Fence anchor. 1,809,947; June 16.
Shepard, Ralph H., Bronxville, N. Y. Structural toy locomotive and the like. 1,812,498; June 30.
Shepard, Wilbur L., West Hartford, Conn. Universal joint. 1,832,794; Nov. 17.
Sheperdson, John W., assignor to Morgan Construction Company, Worcester, Mass. Method of and apparatus for the manufacture and conditioning of skelp. Re18,015; Mar. 31.
Shepherd, Benjamin F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Chuck for rock drills. 1,822,115; Sept. 8.
Shepherd, Charles B., New York, N. Y., assignor to The P & M Company. Rail anchor. 1,812,414; June 30.
Shepherd, Francis W., assignor of one-half to P. A. Clark, Salt Lake City, Utah. Cooling coil. 1,794,483; Mar. 3.
Shepherd, John E. (See Jarvis, Graham W., assignor.)
Shepherd, John E. (See McElroy, R. L., and Shepherd.)
Shepherd, John E., assignor to National Cold Steam Company, Charlottesville, Va. Internally fired heat or power generator. 1,811,654; June 23.
Shepherd, John E., assignor to National Cold Steam Company, Charlottesville, Va. Power unit and method of creating energy. 1,825,131; Sept. 29.
Shepherd, Winfred P., Pasadena, Calif. Drag toy. 1,793,565; Feb. 24.
Shepherd, Winfred P., Pasadena, Calif. Toy. 1,796,811; Mar. 17.
Shepherd, Winfred P., Pasadena, Calif. Flyback game and toy. 1,819,342; Aug. 18.
Shepherdson, Arnold. (See Baddiley, J., Shepherdson, and Hailwood.)
Shepherdson, Arnold. (See Hailwood, A. J., and Shepherdson.)
Shepler, Charles H. (See Christiansen, Niels, assignor.)
Sheppard, Henry B., Derby, England. Pumping lubricant. 1,837,590; Dec. 22.
Sheppard, Howard M., Philadelphia, Pa., assignor to I. P. Morris Corporation. Valve. 1,813,126; July 7.
Sheppard, Orlando, jr., Atlanta, Ga. Grinding machine. 1,803,148; Apr. 28.
Sheppard, Samuel E., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose film. 1,808,998; June 9.
Sheppard, Walter H., Hudson, N. Y. Oil burner. 1,788,495; Jan. 13.
Sheras, Morris, Manistee, Mich. Designating device. 1,803,733; May 5.
Sherbondy, Earl H., assignor to D. M. Solenberger, Cleveland, Ohio. Supercharging internal combustion engines. 1,831,470; Nov. 10.
Sherbondy, William E., Shaker Heights, Ohio. Carpet sweeper. 1,808,323; June 2.
Sherburne, Claude L., Topeka, assignor of one-third to O. F. Baker, Independence, and one-third to P. Updike, Fort Scott, Kans. Dump body for trucks. 1,803,360; May 5.
Sherer, Frank G., deceased, Los Angeles, Calif. E. Brogmus, administrator, assignor to Roberts Brothers, Chicago, Ill. Propeller. 1,793,339; Feb. 17.
Sherer, Frank G., Los Angeles, Calif., assignor to Refrigerator Grid Co., Chicago, Ill. Ice-freezing receptacle wall. 1,803,734; May 5.
Sherfy, Rolland F., Washington, D. C. Variable condenser. 1,824,629; Sept. 22.
Sheridan, Joseph J., Philadelphia, Pa. Device for keeping count of telephone calls. 1,827,622; Oct. 13.
Sheridan, Leslie M., Coppercliff, Ontario, Canada. Variable speed mechanism. 1,812,176; June 30.
Sheridan, Leslie M., Coppercliff, Ontario, Canada. Variable speed mechanism. 1,815,334; July 21.
Sheridan, T. W. & C. B. Company. (See Seiter, Eugene R., assignor.)
Sheriff, Arthur. (See May, E. T., and Sheriff.)
Shering-Kahlbaum Aktiengesellschaft. (See Schoeller, W., and H. Schotte, assignors.)
Sherman, Alvin G., Grosse Pointe, Mich., assignor to Detroit Vapor Stove Company, Detroit, Mich. Handle for movable stove parts. Des. 85,601; Nov. 17.
Sherman, Alvin G., Grosse Point, assignor to The Detroit Vapor Stove Company, Detroit, Mich. Self-aligning thermostatic valve assembly. 1,826,327; Oct. 6.
Sherman, Alvin G., Grosse Point, assignor to The Detroit Vapor Stove Company, Detroit, Mich. Thermostatic control for ovens. 1,826,328; Oct. 6.
Sherman, Alvin G., assignor to The Detroit Vapor Stove Company, Detroit, Mich. Stove door. 1,829,948; Nov. 3.
Sherman, Alvin G., assignor to Detroit Vapor Stove Company, Detroit, Mich. Stove grate. 1,832,142; Nov. 17.
Sherman, Arthur G. S., Detroit, Mich. Camping trailer. 1,801,645; Apr. 21.
Sherman Bros. Development Corporation. (See Sherman, G. B., and Potts, assignors.)
Sherman, Delmar C. (See Reilly, F. W., and Sherman.)
Sherman, Delmar Charles, Chattanooga, Tenn., assignor to Williamsport Wire Rope Company. Mounting for sheaves. 1,796,966; Mar. 17.
Sherman, Elroy P., assignor to The Ashtabula Corrugated Box Company, Ashtabula, Ohio. Seat. 1,831,428; Nov. 10.
Sherman, Francis H., Palmer, Mass. Packaging means. 1,815,683; July 21.
Sherman, George B., and R. H. Potts, assignors to Sherman Bros. Development Corporation, Evansville, Ind. Self sharpening plow share. 1,832,429; Nov. 17.
Sherman, H. B. Manufacturing Company. (See Hewig, William, assignor.)

Sherman, Howard B., and D. P. Ordway, assignors to American Stamping Co., Battle Creek, Mich. Combination holder for razor blades and paper. 1,790,077; Jan. 27.
Sherman, James M., Pass Christian, Miss. Arboretum. 1,837,074; Dec. 15.
Sherman, Jessie L. (See Little, W. M., and Sherman.)
Sherman, John C. (See Burke, E., and Sherman.)
Sherman, John C., Gorham, Me. Safety razor. 1,831,145; Nov. 10.
Sherman, John C., Gorham, Me., assignor to Brown Company, Berlin, N. H. Paper towel and the like. 1,819,041; Aug. 18.
Sherman, John E., Foxboro, assignor to S. M. Stone, Attleboro, Mass. Stringed musical instrument. 1,819,796; Aug. 18.
Sherman, John Q., Dayton, Ohio. Keyhole guard. 1,794,481; Mar. 3.
Sherman, John Q., Dayton, Ohio, assignor to The Standard Register Company. Roll rewinder. 1,794,482; Mar. 3.
Sherman, John Q., Dayton, Ohio, assignor to The Standard Register Company. Multiple manifolding machine. 1,825,706; Oct. 6.
Sherman, John Q., and A. W. Metzner, Dayton, Ohio, assignors to The Standard Register Company. Manifolding machine. 1,788,252; Jan. 6.
Sherman, John Q., and A. W. Metzner, Dayton, Ohio, assignors to The Standard Register Company. Manifolding machine. 1,790,680; Feb. 3.
Sherman, John Q., and A. W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman. Manifolding apparatus. 1,807,604; June 2.
Sherman, John Q., and A. W. Metzner, Dayton, Ohio; said Metzner assignor to said J. Q. Sherman. Manifolding process. 1,817,399; Aug. 4.
Sherman, Max C., Bala-Cynwyd, assignor, by mesne assignments, to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Hopper construction. 1,819,486; Aug. 18.
Sherman, Russel J., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. 1,836,558; Dec. 15.
Sherman, Thomas L., assignor to Michell-Crankless Engines Corporation, New York, N. Y. Crankless engine. 1,804,440; May 12.
Sherman, Thomas L., Melbourne, Australia, assignor to Mitchell-Crankless Engines Corporation, New York, N. Y. Crankless engine. 1,813,966; July 14.
Sherman, Thomas L., Melbourne, Australia, assignor to Michell-Crankless Engines Corporation, New York, N. Y. Crankless engine. 1,819,826; Aug. 18.
Sherman, William H., Methuen, Mass., assignor to U. S. Bobbin & Shuttle Company 1929, Providence, R. I. Shuttle-eye guard. 1,794,871; Mar. 3.
Sherman, William S., Brooklyn, N. Y., assignor, by mesne assignments, to General Frigheatone Co. Inc. Liquid to be used as heat transferring medium. 1,805,500; May 19.
Shermund, Ralph C., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Making magnetic cores. 1,827,376; Oct. 13.
Sherrill, Jubal E. (See Pollard, E. L., and Sherrill.)
Sherry, Phillip G., assignor of five-sixteenths to G. E. Edgerton and five-sixteenths to P. R. Alphonso, Seminole, Okla. Device for pumping oil from a well. 1,835,437; Dec. 8.
Sherts, James H., Glen Ridge, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del. Heating apparatus. 1,808,381; June 2.
Sherts, James H., Glen Ridge, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del. Molding plastic. 1,819,444; Aug. 18.
Sherts, James H., Brackenridge, and J. Willits, Ford City, Pa., assignors to Duplate Corporation. Making curved composite glass plates. 1,815,992; July 28.
Sherwin, Haas & Co. (See Haas, Ira G., assignor.)
Sherwin, Richard, Toronto, Ontario, Canada. Gauge pole. 1,788,256; Jan. 6.
Sherwin-Williams Company, The. (See Holton, Edward C., assignor.)
Sherwood, Carlyle J., Los Angeles, Calif. Fuel burner. 1,823,381; Sept. 15.
Sherwood, Glenn L. (See Thornley, J. H., and Sherwood.)
Sherwood, Lester L., Los Angeles, Calif. Sweat band. 1,807,049; May 26.
Sherwood, Lester L., Los Angeles, Calif. Certificate holder. 1,829,193; Oct. 27.
Sherwood, Richard J. (See Doyle, Clarence V., assignor.)
Sherwood, Thomas K., Worcester, Mass. Apparatus and method for heat exchangers. 1,838,043; Dec. 22.
Sherwood, Walter C., Moultrie, Ga. Leveling instrument. 1,794,254; Feb. 24.
Sherwood, William M. F., London, England. Massage device. 1,811,764; June 23.
Sherzer, Allen F., Ann Arbor, Mich., assignor to Ingersoll-Rand Company, Jersey City, N. J. Centrifugal pump. 1,812,309; June 30.
Shetterly, Fred F., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Sheet glass. Des. 85,118; Sept. 15.
Shevers, Harold. (See Proskauer, J. J., and Shevers.)
Shevlin, Charles W., Chicago, assignor to F. M. Harker, Wilmette, Ill. Awning. 1,788,173; Jan. 6.
Shew, Walter E., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Valve mechanism. 1,823,918; Sept. 22.
Shick, Robert P. (See James, Cleveland A., assignor.)
Shield, Paul S., assignor to A. Davis, jr., Cincinnati, Ohio. Liquid measuring or dispensing apparatus. 1,794,209; Feb. 24.
Shield, Paul S., assignor to A. Davis, jr., Cincinnati, Ohio. Token for check-controlled apparatus. 1,795,739; Mar. 10.
Shield, Paul S., assignor to A. Davis, jr., Cincinnati, Ohio. Liquid measuring and dispensing device. 1,795,802; Mar. 10.
Shield, Paul S., assignor to A. Davis, jr., Cincinnati, Ohio. Fluid pressure control of vehicle tank valves. 1,829,020; Oct. 27.
Shields, Andrew G., Attleboro, Mass. Toilet-accessories container. Des. 83,880; Apr. 7.
Shields, Andrew G., assignor to Fillwik Company, Attleboro, Mass. Compact container. 1,793,255; Feb. 17.
Shields, Benjamin F., Seattle, Wash. Friction brake. 1,818,100; Aug. 11.
Shields, Ernest S., Winnipeg, Manitoba, Canada. Folding table. 1,792,714; Feb. 17.
Shields, Henry B., Freeport, assignor to International Motor Company, New York, N. Y. Brake system for six-wheel drives. 1,796,406; Mar. 17.
Shields, L. J. (See Kurtz, Charles F., assignor.)
Shields, Peter. (See Hart, Charles, assignor.)
Shields, Peter E., Scotland Neck, N. C. Buffer. 1,835,973; Dec. 8.
Shields, Willie A., assignor of one-half to Clifton M. Ellis, Birmingham, Ala. Garment bagging machine. 1,808,824; June 9.
Shier, Wilfred A., Bracebridge, Ontario, Canada. Sterilizer for hair clippers and the like. 1,793,518; Feb. 24.
Shiffler, William H., Oakland, assignor to Standard Oil Company of California, San Francisco, Calif. Treating heavy oils for the production of light oils by the employment of metallic halides. 1,819,006; Aug. 18.
Shifner, Nicholas, New York, N. Y. Slide rule. 1,834,745; Dec. 1.
Shigley, Cyrus C., Kalamazoo, Mich. Toy gun. 1,818,763; Aug. 11.
Shiland, Arthur D., Cleveland, Ohio. Automatic damper control. 1,835,907; Dec. 8.
Shimer, Edward B. (See Shimer, Porter W. and E. B.)
Shimer, Elmer S., assignor to S. J. Shimer & Sons, Inc., Milton, Pa. Cutter head. 1,823,846; Sept. 15.
Shimer, John M., Wilkinsburg, Pa., assignor to Wilson-Snyder Manufacturing Company. Slush pump. 1,802,281; Apr. 21.
Shimer, John M., Wilkinsburg, Pa., assignor to Wilson-Snyder Manufacturing Company. Stuffing box. 1,836,776; Dec. 15.
Shimer, Porter W. and E. B., Easton, Pa., assignors to American Cyanamid Company, New York, N. Y. Case-hardening metal. 1,789,257; Jan. 13.
Shimer, Porter W., and E. B., Easton, Pa., assignors to American Cyanamid Company, New York, N. Y. Case-hardening metal. 1,789,258; Jan. 13.
Shimer, Porter W., and E. B., Easton, Pa., assignors to American Cyanamid Company, New York, N. Y. Case-hardening method. 1,789,259; Jan. 13.
Shimer, Samuel J., & Sons, Inc. (See Shimer, Elmer S., assignor.)
Shimizu, Seizo, Tokyo, Japan. Magnetometer. 1,819,797; Aug. 18.
Shimko, John, Uniontown, Pa. Post twister. 1,805,381; May 12.
Shimmin, John T., Hurley, N. Mex. Apparatus for separating solids from liquids or liquors by filtration. 1,791,251; Feb. 3.
Shimomura, Kamakichi. (See Kumagawa, H., and Shimomura.)
Shimwell, Oliver, Manchester, assignor, by mesne assignments, of one-half to Gawsworth Patents Limited, Manchester, and one-half to Platt Brothers & Company Limited, Oldham, England. Shuttleless loom for weaving. 1,812,562; June 30.
Shimwell, Oliver, assignor to Gawsworth Patents Limited, Manchester, and Platt Brothers & Company, Limited, Oldham, England. Shuttleless loom for weaving. 1,815,118; July 21.
Shinan Mfg. Co. Inc. (See Kliem, Charles, assignor.)
Shindel, Harry F., assignor to Willson Products, Inc., Reading, Pa. Adjusting means for goggles. 1,805,640; May 19.
Shindel, Harry F., assignor to Willson Products, Inc., Reading, Pa. Respirator. 1,837,591; Dec. 22.
Shindledecker, Roy C., Erie, Pa., assignor to General Electric Company. Assembling resistance units. 1,825,481; Sept. 29.
Shine, Henry A., Sausalito, Calif. Hold up protector. 1,811,978; June 30.
Shinkle, Edward M., Higginsport, Ohio. Stop for rotating parts. 1,830,135; Nov. 3.
Shinkle, Seaphes D., New Haven, assignor to L. Candee & Company, New Haven, Conn. Superficially finishing rubber articles. 1,828,985; Oct. 27.
Shinn, Albert E., East Las Vegas, N. Mex. Beet harvester. 1,824,376; Sept. 22.
Shinn, Edmund W., and R. H. Scott, Cumberland, Md. Apparatus for coating metal sheets. 1,794,093; Feb. 24.

Shinn, Edmund W., W. J. Crowley, and R. H. Scott, Cumberland, Md. Material handling apparatus. 1,809,076; June 9.
Shinn, George D., Russellville, Ark. Automatic window lock. 1,804,518; May 12.
Shinn, Lyle B., assignor to Chicago Lock Company, Chicago, Ill. Lock. 1,805,891; May 19.
Shinn, William C., assignor to Chicago Lock Company, Chicago, Ill. Lock. Re17,936; Jan. 20.
Shipley, A. H. (See Shipley, Marion R., assignor.)
Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,789,418; Jan. 20.
Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,791,845; Feb. 10.
Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,791,875; Feb. 10.
Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,791,907; Feb. 10.
Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,791,908; Feb. 10.
Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,799,328; Apr. 7.
Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,799,329; Apr. 7.
Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,799,330; Apr. 7.
Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,803,812; May 5.
Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,804,650; May 12.
Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,814,009; July 14.
Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,815,335; July 21.
Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,815,453; July 21.
Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,817,770; Aug. 4.
Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,817,883; Aug. 4.
Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,819,042; Aug. 18.
Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,826,901; Oct. 13.
Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,838,579; Dec. 29.
Shipley, Carl V., Chicago, Ill. Amusement device. 1,835,908; Dec. 8.
Shipley, Frank. (See Schuyler, Robert J., assignor.)
Shipley, Frank F. (See Bailey, R. S., Nelson, and Shipley.)
Shipley, Grant B. (See Alinder, H., and Shipley.)
Shipley, Manly H., Rockford, Ill. Attachable handle for steering wheels. 1,834,537; Dec. 1.
Shipley, Marion R., Hermosa Beach, assignor, by mesne assignments, to Martin P. Smith and Joseph R. Neaves, jr., trustees. Valve and plug seating means for same. 1,819,343; Aug. 18.
Shipley, Marion R., Hermosa Beach, assignor to A. H. Shipley, Fresno, Calif. Valve body. 1,827,266; Oct. 13.
Shipley, Roy A., Canton, Ohio, assignor, by mesne assignments, to National Fireproofing Corporation, Pittsburgh, Pa. Apparatus and method for making closed tile. 1,800,324; Apr. 14.
Shipley, Roy A., assignor to National Fireproofing Corporation, Pittsburgh, Pa. Conduit and making the same. 1,835,245; Dec. 8.
Shipley, Thomas, assignor to York Ice Machinery Corporation, York, Pa. Refrigeration. 1,808,999; June 9.
Shipley, Thomas, assignor to York Ice Machinery Corporation, York, Pa. Refrigeration. 1,815,421; July 21.
Shipley, Thomas, assignor to York Ice Machinery Corporation, York, Pa. Method and apparatus for conditioning air. 1,837,797; Dec. 22.
Shipley, Thomas, assignor to York Ice Machinery Corporation, York, Pa. Apparatus for conditioning air. 1,837,798; Dec. 22.
Shipman, Archie V., Pasadena, Calif. High chair. Des. 85,119; Sept. 15.
Shipman, Archie V., Pasedena, Calif. Table. Des. 85,120; Sept. 15.
Shipman, Archie V., Pasadena, Calif. Chair. Des. 85,551; Nov. 10.
Shipman, Bennet C., San Francisco, Calif. Refrigerating system. 1,836,090; Dec. 15.
Shipman, Emanuel F., Philadelphia, Pa. Bag. 1,824,508; Sept. 22.
Shipman, Frederic, San Francisco, Calif. Reflector. 1,804,651; May 12.
Shipman, Luther W., Almonte, Ontario, Canada. Vaporizer. 1,821,728; Sept. 1.
Shipman, Norman C., Toronto, Ontario, Canada. Holder. 1,800,362; Apr. 14.
Shipman, Ralph, Sunbury, Pa. Carburetor. 1,813,206; July 7.
Shipp, Clarence C., Indianapolis, Ind. Overall housing for radiators. 1,791,981; Feb. 10.
Shipp, Clarence C., Indianapolis, Ind. Radiator-box damper. 1,797,246; Mar. 24.
Shippee, Carl C., Fair Haven, N. J. Burner device for domestic furnaces. 1,827,338; Oct. 13.
Shippling, Charles A., Kitchener, Ontario, Canada, assignor to L. Candee & Company, New Haven, Conn. Slitting machine. 1,801,757; Apr. 21.
Shippy, Leo C., assignor to Delco-Remy Corporation, Anderson, Ind. Electric control. 1,820,252; Aug. 25.
Shippy, Leo C., assignor to Delco-Remy Corporation, Anderson, Ind. Instrument case. 1,825,426; Sept. 29.
Shipski, Constantine, Olyphant, Pa. Rail joint. 1,790,600; Jan. 27.
Shipton, John N., Donnybrook, N. Dak. Attachment for wagon poles. 1,788,339; Jan. 6.
Shirtcraft Co. Inc., The. (See Collins, John N., assignor.)
Shively, Jess A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Machine for flipping covers on belts. 1,827,674; Oct. 13.
Shively, John J., Brookville, Pa. Thermostatic electrical control switch. 1,824,377; Sept. 22.
Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Radiator valve. Des. 85,552; Nov. 10.
Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Masterstat. 1,795,149; Mar. 3.
Shivers, Paul F., assignor to Minneapolis Honeywell Regulator Company, Wabash, Ind. Diaphragm-controlled gas-valve heating system. 1,796,544; Mar. 17.
Shivers, Paul F., Wabash, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel-burner-control system. 1,800,412; Apr. 14.
Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Snap action gas valve. 1,835,974; Dec. 8.
Shlesinger, Bernard E., Irondequoit, assignor to Gleason Works, Rochester, N. Y. Machine for producing gears 1,797,372; Mar. 24.
Shlesinger, Bernard E., Irondequoit, assignor to Gleason Works, Rochester, N. Y. Producing gears. 1,809,948; June 16.
Shlesinger, Bernard E., Irondequoit, and T. M. Durkan, assignors to Gleason Works, Rochester, N. Y. Method and apparatus for grinding gears. 1,815,336; July 21.
Shlesinger, William H., Brooklyn, N. Y. Lamp. Des. 84,060; Apr. 28.
Shlesinger, William H., Brooklyn, N. Y. Lamp. Des. 84,206; May 19.
Shlesinger, William H., Brooklyn, N. Y. Lamp. Des. 84,447; June 16.
Shlesinger, William H., Brooklyn, N. Y. Lamp. Des. 84,713; July 21.
Shneider, Charles, and J. Roeder, New York, N. Y. Shaving brush. 1,833,232; Nov. 24.
Shoblom, Axel W., Philipsburg, Mont. Motor brake. 1,797,105; Mar. 17.
Shockency, Charles E. (See Ferguson, C. E., and Shockency.)
Shockley, Bernard W., Bridgewater, Mass. Puzzle display device. 1,789,782; Jan. 20.
Shockley, Edwin H. (See Murrell, W. P., and Shockley.)
Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Putty shield. 1,827,115; Oct. 13.
Shoedinger, F. O. (See Packer, Mortimer L., assignor.)
Shoe Form Co., Inc. (See De Witt, William J., assignor.)
Shoe Hardware Company, The. (See Cobb, Willard H., assignor.)
Shoe Hardware Company, The. (See Dalton, Daniel F., assignor.)
Shoe Hardware Co., The. (See O'Neil, Richard W., assignor.)
Shoe Lace Company. (See Matson, Carl A., assignor.)
Shoemaker, Alvin H., Seattle, Wash. Demountable wheel and hub. 1,813,431; July 7.
Shoemaker, Alvin H., Seattle, Wash. Pneumatic tire and rim. 1,822,320; Sept. 8.
Shoemaker, Alvin H., Seattle, Wash. Pneumatic tire. 1,836,091; Dec. 15.
Shoemaker, Edwin J. (See Knabusch, E. M., and Shoemaker.)
Shoemaker, Harry, Jersey City, N. J., assignor, by mesne assignments, to P. R. Mallory & Co. Incorporated, Indianapolis, Ind. Electric-current rectifier. 1,794,037; Feb. 24.
Shoemaker, Joseph J., Clawson, assignor of one-third to K. H. Quail, Royal Oak, Mich. Exercising apparatus. 1,807,938; June 2.
Shoemaker, Raymond B., and C. L. Lawrence, New York, N. Y. Dishwashing machine. 1,810,374; June 16.
Shoemaker, Richard, jr., New York, N. Y. Memorandum pad. 1,835,909; Dec. 8.

Shoemaker, Robert C. (See Perkins, G. H., and Shoemaker.)
Shoemaker, Robert J., assignor to S. & T. Metal Company, Chicago, Ill. Lead alloy. 1,791,148; Feb. 3.
Shoemaker, Robert J., assignor to S. & T. Metal Company, Chicago, Ill. Bearing metal. 1,808,793; June 9.
Shoemaker, Robert J., assignor to S. & T. Metal Company, Chicago, Ill. Lead alloy. 1,813,324; July 7.
Shoemaker, Robert J., assignor to S. & T. Metal Company, Chicago, Ill. Lead alloy. 1,815,528; July 21.
Shoemaker, William D. (See Young, F. L., and Shoemaker.)
Shoemaker, William D., Drummond, Chevy Chase, Md. Tractor equipment combination. 1,828,079; Oct. 20.
Shoenberg, Milton H., San Francisco, Calif. Thermomotive device. 1,804,709; May 12.
Shoenberg, Milton H., and L. Schon, San Francisco, Calif.; said Schon assignor to said Shoenberg. Circuit-controlling device. 1,789,640; Jan. 20.
Shoenberg, Milton H., and L. Schon, San Francisco, Calif.; said Schon assignor to said Shoenberg. Flashing lamp. 1,795,740; Mar. 10.
Shoenberg, Milton H., and L. Schon, San Francisco, Calif.; said Schon assignor to said Shoenberg. Circuit-controlling device. 1,795,741; Mar. 10.
Shoenberg, Milton H., and L. Schon, San Francisco, Calif.; said Schon assignor to said Shoenberg. Circuit interrupter. 1,806,766; May 26.
Shoenberg, Milton H., and L. Schon, San Francisco, Calif.; said Schon assignor to said Shoenberg. Circuit controlling device. 1,829,194; Oct. 27.
Shoenberg, Milton H., and L. Schon, San Francisco, Calif.; said Schon assignor to said Shoenberg. Circuit interrupter. 1,835,616; Dec. 8.
Shoenberg, Milton H., and L. Schon, San Francisco, Calif.; said Schon assignor to said Shoenberg. Automatic cooking utensil. 1,836,192; Dec. 15.
Shoenberger, Philip D., San Mateo, assignor to Western Pipe & Steel Company of California, San Francisco, Calif. Relief valve. 1,794,989; Mar. 3.
Shoer, George G., assignor of one-third to J. L. Zulli and one-third to P. Caginor, sr., Cleveland, Ohio. Combined coat and hat hook. 1,799,395; Apr. 7.
Shoffstall, Arthur S., W. A. Mudge, A. B. Bagsar, and C. G. Bieber, Huntington, W. Va., assignors, by mesne assignments, to The International Nickel Company, Inc., New York, N. Y. Desulphurizing nickel-containing matter. 1,828,752; Oct. 27.
Shoffstall, Arthur S., and H. M. Brown, Huntington, W. Va., assignors by mesne assignments to The International Nickel Company, Inc., New York, N. Y. Carrier wheel device. 1,833,132; Nov. 24.
Shogran, Leonard, Chicago, Ill. Artificial flower making device. 1,816,266; July 28.
Sholtz, Leo. (See Miller, C., and Sholtz.)
Shomaker, Wesley P. (See Jones. M. O., and Shomaker.)
Shonle, Horace A., assignor to Eli Lilly and Company, Indianapolis, Ind. N-amyl ethyl barbituric acid and its intermediates. 1,813,867; July 7.
Shonnard, Harold W., Montclair, N. J., assignor to Elevator Supplies Company. Locking means for sliding doors. 1,789,989; Jan. 27.
Shonnard, Harold W., Montclair, N. J., assignor to Elevator Supplies Company, Inc. Safety device for elevator doors. 1,790,027; Jan. 27.
Shonnard, Harold W., Upper Montclair, N. J., assignor to Elevator Supplies Company, Inc. Swivel coupling. 1,805,956; May 19.
Shonnard, Harold W., Montclair, N. J., assignor to Elevator Supplies Company. Operating elevator doors. 1,838,876; Dec. 29.
Shook, Charles A. (See Greutman, W. J., Shook, and Brandt.)
Shook, Charles E. (See Brown, S. D., and Shook.)
Shook, Florain J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Vulcanizer. 1,811,567; June 23.
Shook, James F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 1,802,987; Apr. 28.
Shoop, Gertrude, Shamokin, Pa. Heat exchange article. 1,830,375; Nov. 3.
Shope, Thomas H., assignor of one-half to W. B. Shope, Southgate, Calif. Growing vegetables and fruit. 1,825,099; Sept. 29.
Shope, W. B. (See Shope, Thomas H., assignor.)
Shopis, Kiriaco, New York, N. Y., and D. Mamarcheff, West Norwalk, Conn. Multiple knife fur-cutting machine. 1,825,132; Sept. 29.
Shopneck, Henry P., Dorchester, assignor, by mesne assignments, to Arden Box Toe Company, Watertown, Mass. Water-laid felt, wool fiber. 1,791,537; Feb. 10.
Shopneck, Henry P., Dorchester, assignor, by mesne assignments, to Arden Box Toe Company, Watertown Mass. Water-laid felt, leather fiber. 1,791,538; Feb. 10.
Shopneck, Henry P., Dorchester, assignor, by mesne assignments, to Arden Box Toe Company, Watertown, Mass. Waterlaid felt and article made therefrom. 1,799,931; Apr. 7.
Shore, Albert F., New York, N. Y. Spring support for vehicles. 1,789,845; Jan. 20.
Shore, Albert F., New York, N. Y. Apparatus for measuring the hardness of materials. 1,806,767; May 26.
Shore-Line Builders, Inc. (See Weber, Carl, assignor.)
Shorr, Joseph, Pittsburgh, Pa. Curtain-rod-adjusting device. 1,791,006; Feb. 3.
Shorrock, James P., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Textile fabric. 1,798,111; Mar. 24.
Shorrock, James P., New London, Conn., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Yarn making apparatus. 1,834,074; Dec. 1.
Short, Albert E., and H. O. Short, Rochester, England. Mooring buoy. 1,828,821; Oct. 27.
Short, Bladen M., Detroit, Mich. Bumper. 1,832,512; Nov. 17.
Short, Charles R., Dayton, Ohio. Lined bearing member and forming same. 1,831,325; Nov. 10.
Short, Charles R., assignor to General Motors Research Corporation, Dayton, Ohio. Resilient connecter. 1,794,926; Mar. 3.
Short, Charles R., Dayton, Ohio, assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,824,630; Sept. 22.
Short, Charles R., Detroit, Mich., assignor to The Moraine Products Company, Dayton, Ohio. Connecting-rod bearing. 1,789,714; Jan. 20.
Short, Charles R., Detroit, Mich., assignor to The Moraine Products Company, Dayton, Ohio. Bearing. 1,819,272; Aug. 18.
Short, Charles R., assignor to General Motors Research Corporation, Detroit, Mich. Making resilient joints. 1,827,267; Oct. 13.
Short, Charles R., assignor to General Motors Research Corporation, Detroit, Mich. Rubber spring shackle. 1,827,268; Oct. 13.
Short, Charles R., Detroit, Mich., assignor to The Moraine Products Company, Dayton, Ohio. Bearing. 1,834,746; Dec. 1.
Short, Charles R., assignor to Moraine Products Company, Dayton, Ohio. Briquetting bushings. 1,839,056; Dec. 29.
Short, Cleo A. (See Ramsey, J. H., and Short.)
Short, Ellis W. (See Konrad, F. F., and Short.)
Short, Frank A., Hillside, N. J. Eyeglass construction. 1,800,266; Apr. 14.
Short, Henry M., Penn Yan, N. Y. Automatic cut off switch. 1,821,853; Sept. 1.
Short, Hugh O. (See Short, Albert E., and H. O.)
Short, Ira, Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coupling. 1,807,798; June 2.
Short, Wayne F., Bloomington, Ind. Combination bar and leg compass. 1,835,674; Dec. 8.
Shorter, Sydney A. (See Nuttall, T., and Shorter.)
Shorts, Nelson T., Fern, Pa. Airship. 1,790,078; Jan. 27.
Shortwave & Television Corporation. (See Baird, Hollis S., assignor.)
Shotter, George F., New Southgate, England. Electrical testing apparatus. 1,815,217; July 21.
Shotwell, Elijah B., Stillwater, Okla. Digging machine. 1,792,126; Feb. 10.
Shotwell, Fred M., et al. (See Shotwell, Frederick V., assignor.)
Shotwell, Frederic V., Detroit, Mich., assignor of one-half to Griffith-Hope Company, West Allis, Wis., and one-half to F. M. Shotwell, Detroit, Mich. Card-index files. 1,795,055; Mar. 10.
Shotwell, Ralph E. (See Rugg, H. H., and Shotwell.)
Shoudy, Chester P., Spokane, Wash. Retarded air circulating dental oven. 1,834,353; Dec. 1.
Shoup, Lloyd M., Goshen, Ind. Internal-combustion engine. 1,791,846; Feb. 10.
Shoup, Vernon D., assignor to Pioneer Manufacturing Co., Middlebury, Ind. Boat. 1,790,624; Jan. 27.
Shover, Barton R., Pittsburgh, Pa. Reeling and rolling multiple strip metal. 1,838,330; Dec. 29.
Shover, Barton R., and F. P. Townsend, Pittsburgh, Pa. Rolling mill. 1,821,483; Sept. 1.
Shover, Barton R., Pittsburgh, Pa., and F. P. Townsend, East Orange, N. J., assignors to Strip Tin Plate Company, Pittsburgh, Pa. Furnace. 1,811,522; June 23.
Showers, Joseph R., Shelbyville, Ind. Cash drawer mechanism. 1,820,400; Aug. 25.
Showers, Lewis M., jr., Juniata, Pa. Drop bottom container. 1,809,640; June 9.
Showers, Lewis M., jr., Juniata, Pa. Testing machine. 1,817,170; Aug. 4.
Showmin, Ross, Toledo, Ohio. Valve mechanism. 1,798,040; Mar. 24.
Shows, John E. (See Dunn, W. T., and Shows.)
Shrauger, Darius E., Atlantic, Iowa. Screen construction. 1,803,920; May 5.
Shrauger, Darius E., Atlantic, Iowa. Storm sash construction. 1,823,514; Sept. 15.
Shrebnik, Joseph I. (See McDaniel, Leroy H., assignor.)
Shreffler, Elwyne O., Manteno, Ill. Automobile fender. 1,828,451; Oct. 20.
Shrewsbury (S. T.) & Challiner Tyre Company Limited. (See Rogers, Alfred, assignor.)
Shribman, Max. (See Brochu, J. B., and Shribman.)
Shriver, Edward A., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Wheel dresser. 1,813,682; July 7.
Shriver, Harry P., assignor to Kennedy Manufacturing Company, Van Wert, Ohio. Cantilever kit. 1,800,186; Apr. 7.
Shroder, Harry A., Jackson, Mich., assignor, by mesne assignments, to Cutler-Hammer, Inc. Combined current tap and pull chain lamp socket. 1,819,206; Aug. 18.

Shroyer, Perry H., Dayton, Ohio. Adjustable clothesline prop. 1,811,281; June 23.
Shrum, Peter J., Monaca Heights, Pa. Wire article. 1,789,454; Jan. 20.
Shrum, Peter J., Monaca Heights, Pa., assignor to Pittsburgh Screw and Bolt Corporation. Thread protector. 1,788,253; Jan. 6.
Shrum, Peter J., Monaca Heights, Pa., assignor to Pittsburgh Screw and Bolt Corporation. Flange protector. 1,815,957; July 28.
Shryock, Harry W., Seattle, Wash. Reflecting hub cap. 1,791,093; Feb. 3.
Shryock, Harry W., Seattle, Wash. Eyeglass shield. 1,828,850; Oct. 27.
Shryock, Robert B., and J. A. Ball, Fort Worth, Tex. Automatic fire alarm. 1,829,067; Oct. 27.
Shuey, Paul F., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Latching relay. 1,828,299; Oct. 20.
Shuey, Philip M., and E. Woodward, Savannah, Ga. Recovery of phosphate fines. 1,810,794; June 16.
Shuford, John F., et al. (See Fisher, Albert H., assignor.)
Shuger, Morres, Baltimore, Md. Bail attaching means for containers. 1,801,576; Apr. 21.
Shular, Joseph L., Big Stone Gap, Va. Mine car. 1,837,075; Dec. 15.
Shuldener, Henry L., New York, N. Y. Liquid-treating method and apparatus. 1,796,407; Mar. 17.
Shuldiner, Morris, Brooklyn, N. Y. Artificial animal eye. 1,832,743; Nov. 17.
Shuler, James W., Los Angeles, Calif. Submarine-crew-rescue apparatus. 1,796,408; Mar. 17.
Shulik, William. (See Lichten, A. S., Koufman, and Shulik.)
Shull, Frederick G., New Haven, Conn. Tobacco pipe. 1,796,308; Mar. 17.
Shulman, Charles, New York, N. Y. Table lamp base or article of similar nature. Des. 84,855; Aug. 11.
Shulman, Charles, New York, N. Y. Statuette or similar article. Des. 84,856; Aug. 11.
Shulman, Charles, assignor to Apt Novelty Company, Inc., New York, N. Y. Smoker's stand or article of similar nature. Des. 83,836; Mar. 31.
Shulman, Charles, assignor to Apt Novelty Company Inc., New York N. Y. Table lamp or article of similar nature. Des. 84,378; June 9.
Shulman, Charles, assignor to Apt Novelty Company Inc., New York, N. Y. Wall bracket or article of similar nature. Des. 84,660; July 14.
Shulman, Charles, assignor to Apt Novelty Company Inc., New York, N. Y. Statuette or article of similar nature. Des. 84,761; July 28.
Shulman, Charles, assignor to Apt Novelty Company, Inc., New York, N. Y. Lighting fixture or article of similar nature. Des. 85,775; Dec. 15.
Shulman, Gilbert, and M. Alkan, New York, N. Y. Mirror. 1,792,127; Feb. 10.
Shulman, Isidor, New York, N. Y. Game. 1,793,256; Feb. 17.
Shulman, Max, assignor of one-half to H. Blum, New York, N. Y. Sound reproducing toy. 1,837,076; Dec. 15.
Shulte, Charles. (See Wolters, C. F., and Shulte.)
Shultz, Thomas L. (See Hoag, James W., assignor.)
Shuman, Arno, Philadelphia, assignor to Pennsylvania Wire Glass Company, Philadelphia, Pa. Flow control for glass tanks. 1,800,909; Apr. 14.
Shuman, Leo, Spokane, Wash., assignor by mesne assignments, to Continental Manufacturing Company. Electric water heater. 1,809,077; June 9.
Shun Ichi Ono. (See Golovtchikoff, Alexander A., assignor.)
Shunk, John G., Bucyrus, Ohio. Street marker. 1,804,281; May 5.
Shur, Edward J., New Orleans, La. Bulk-head construction for refrigerator cars. 1,819,978; Aug. 18.
Shuron Optical Company. (See Brown, William R., assignor.)
Shuron Optical Company. (See Bertram, J. P., and Berliner, assignors.)
Shur-On Optical Company. (See Curran, Thomas F., assignor.)
Shuron Optical Company. (See Sundstrom, Ivar, assignor.)
Shur-on Standard Optical Company. (See Langknecht, Henry J., assignor.)
Shur-On Standard Optical Company. (See Long, Eli M., assignor.)
Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Panel for concealed radiator cabinets. Des. 83,135; Jan. 20.
Shurtleff, Wilfred, assignor to The Herman Nelson Corportation, Moline, Ill. Panel for concealed radiator cabinets. Des. 84,661; July 14.
Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Fan construction. 1,815,529; July 14.
Shurtleff, Wilfred, assignor to The Herman-Nelson Corporation, Moline, Ill. Assembling radiators. 1,829,241; Oct. 27.
Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Heating and ventilating system. 1,838,504; Dec. 29.
Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Heating and ventilating unit. 1,838,505; Dec. 29.
Shuster, F. B., Company, The. (See Matteson, George F., assignor.)
Shuster, F. B., Company, The. (See Thacher, John J., assignor.)
Shuster, Ira B. (See Shuster, Samuel K., assignor.)
Shuster, Samuel K., Sandyville, assignor of one-half to I. B. Shuster, Louisville, Ohio. Protective shooting mechanism. 1,825,926; Oct. 6.
Shute, Arthur C. (See Bergen, W. V., and Shute.)
Shute, Robert L., et al. (See Ward, Andrew W., assignor.)
Shutt, John C. (See Winegar, E. M., and Shutt.)
Shutt, John E., Stuttgart, Ark. Deep well pump. 1,812,667; June 30.
Shutt, Milo, assignor to The Alliance Machine Company, Alliance, Ohio. Car holding mechanism. 1,833,309; Nov. 24.
Shuttleworth, John, Ashton-on-Mersey, and W. G. Murphy, Altrincham, England, assignors to Linotype and Machinery Limited, London, England. Sheet separating apparatus. 1,818,820; Aug. 11.
Shutts, Leroy W., assignor to General Motors Research Corporation, Detroit, Mich. Shock absorber. 1,797,799; Mar. 24.
Shutts, Leroy W., assignor to General Motors Research Corporation, Detroit, Mich. Carbureting apparatus for slide-valve engines. 1,798,956; Mar. 31.
Shuyler, Reynold, Bethel, Kans. Apparatus for cooling and conditioning grain. 1,816,236; July 28.
Sibbald, Albert J. (See Dunlop, H. J., and Sibbald.)
Sibenhorn, Carl L. (See Marvin, W. S., and Sibenhorn.)
Sibley, Edna, Knox City, Tex. Rumble-seat top. 1,797,207; Mar. 17.
Sibley, Edward W., Kenmore, assignor to Remington Rand Inc., Buffalo, N. Y. Lug folding machine. 1,802,357; Apr. 28.
Sibley, Edward W., Kenmore, assignor to Remington Rand Inc., Buffalo, N. Y. Index card. 1,820,889; Aug. 25.
Sibley, Edward W., Kenmore, assignor to Remington Rand Inc., Buffalo, N. Y. Typewriter desk. 1,825,369; Sept. 29.
Sibley, James T., New Dorp, assignor to Stevens Manufacturing Corporation, New York, N. Y. Electric motor. 1,791,149; Feb. 3.
Sibley, John R. (See Moore, Irving B., assignor.)
Sibley, Robert L., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Age resisting vulcanized rubber product and manufacturing same. 1,836,940; Dec. 15.
Sibson, Walter W., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Drying form. 1,833,877; Nov. 24.
Sichel, Leo, St. George, N. Y. Mutual counterbalancing of tool holders of grinding machines. 1,839,002; Dec. 29.
Sichert, Paul O., West New York, N. J. Massaging and washing fixture. 1,799,807; Apr. 7.
Sichert, Max R., assignor to C. H. Weisbach Kommanditgesellschaft, Chemnitz, Germany. Regulating the passage of cloth webs through cloth-finishing machines. 1,835,438; Dec. 8.
Siciliano, Guiseppi, et al. (See Colombo, John, assignor.)
Sickel, Louis C. (See Ackerman, Michael H., assignor.)
Sickler, Gilbert, Assaria, Kans. Snowplow. 1,804,282; May 5.
Sickles, Frank W. (See Sickles, Roy F. and F. W.)
Sickles, Roy F. and F. W., Springfield, Mass. Radio coil. 1,807,605; June 2.
Sickles, Roy F. and F. W., Springfield, Mass. Radio coil winding. 1,807,606; June 2.
Siddall, Thomas H., assignor to Sumter Machinery Company, Sumter, S. C. Gearing. 1,794,038; Feb. 24.
Siddall, Wilbur H., assignor to Bay State Optical Company, Attleboro, Mass. Making eyeglass parts. 1,825,427; Sept. 29.
Sidebotham, Melvin H. (See La Bombard, L. E., and Sidebotham.)
Sidebotham, Melvin H., West Newton, assignor to Specialty Automatic Machine Company, Chelsea, Mass. Making paper boxes and form therefor. 1,836,993; Dec. 15.
Sideman, Irving, Chicago, Ill. Retaining device. 1,821,675; Sept. 1.
Sider, Samuel W., Logansport, Ind. Device for hulling oats and like grains. 1,800,160; Apr. 7.
Sidley Co., The. (See Nordseth, Halfdan J., assignor.)
Sidney, Arthur A. (See Darby, M. O., and Sidney.)
Sidney Steel Scraper Company, The. (See Foltz, William E., assignor.)
Siebe, John P., Sacramento, Calif. Price tag holder. 1,827,623; Oct. 13.
Siebenbürger, Hugo. (See Mayer, B., and Siebenbürger.)
Siebenbürger, Hugo. (See Mayer, B., Krauer, and Siebenbürger.)
Siebeneichner, Hans G. (See Engelhardt, G., and Siebeneichner.)
Siebenlist, Anthony G., assignor, by mesne assignments, to Milcor Steel Company, Milwaukee, Wis. Hanger for pipes. 1,787,596; Jan. 6.

Siebenlist, Anthony G., assignor, by mesne assignments, to Milcor Steel Company, Milwaukee, Wis. 1,796,581; Mar. 17.
Siebenlist, Anthony G., assignor, by mesne assignments, to Milcor Steel Company, Milwaukee, Wis. Machine for coping corner beads. 1,798,957; Mar. 31.
Siebenlist, Anthony G., assignor, by mesne assignments, to Milcor Steel Company, Milwaukee, Wis. Making metal window structures. 1,816,498; July 28.
Siebenmann, Daniel, Bern, Switzerland. Automatic fire-extinguishing device. 1,806,829; May 26.
Siebenmann, Frederic J., and C. E. Johnson, assignors to Deere & Company, Moline, Ill. Agricultural implement. 1,834,185; Dec. 1.
Sieber, Fritz, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Vacuum measuring instrument. 1,833,233; Nov. 24.
Sieber, Otto. (See Keinath, G., and Sieber.)
Sieper, Otto, Richmond Hill, assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, Long Island City, N. Y. Making indicating instruments. 1,838,005; Dec. 22.
Siebert, O. W., Company. (See Siebert, O. W., and Bjorson, assignors.)
Siebert, Otto W., and C. J. Bjorson, assignors to O. W. Siebert Company, Gardner, Mass. Steering fork and handle for children's vehicles. 1,830,916; Nov. 10.
Siebrandt, John R., Kansas City, Mo. Surgical splint. 1,817,212; Aug. 4.
Siebs, Claude T., Nutley, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Approach structure between different levels and producing the same. 1,788,548; Jan. 13.
Siebs, Claude T., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for welding. 1,806,121; May 19.
Siebs, Claude T., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Indicator switch. 1,820,990; Sept. 1.
Siebs, Claude T., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Welding. 1,827,210; Oct. 13.
Siebs, Claude T., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Winding device. 1,832,430; Nov. 17.
Siebs, Claude T., Cranwood, N. J., and T. A. Daniel, Maywood, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Welding apparatus. 1,833,660; Nov. 24.
Sieck, William, jr., Hubbard Woods, assignor to W. Garrigue & Company, Inc., Chicago, Ill. Distillation apparatus. 1,831,887; Nov. 17.
Siede, Martin, and Fritz Lubberger, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Relay system. 1,836,092; Dec. 15.
Sieder, Everett N., Elizabeth, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Oil cooling. 1,815,932; July 28.
Sieffert, Ralph W., Aliquippa, Pa. Cutting device for ends of tubes. 1,790,601; Jan. 27.
Siefken, Frank H., Milwaukee, Wis. Scooter. 1,792,045; Feb. 10.
Siefken, Fred, Torrance, Calif. Oil saving device. 1,805,344; May 12.
Siefker, Arno G., Indianapolis, Ind. Safety-zone guard. 1,790,602; Jan. 27.
Sieg, Karl, Brooklawn, assignor to S. M. Langston Co., Camden, N. J. Paper corrugating machine. 1,810,930; June 23.
Sieg, Karl, Brooklawn, N. J., assignor to Samuel M. Langston Co. Paper winding machine. 1,827,802; Oct. 20.
Sieg, Karl, Brooklawn, assignor to Samuel M. Langston Co., Camden, N. J. Slitter and rewinder. 1,831,201; Nov. 10.
Sieg, Karl, Brooklawn, assignor to S. M. Langston Co., Camden, N. J. Roll ejecting mechanism for winding machines. 1,833,185; Nov. 24.
Sieg, Karl, Brooklawn, assignor to Samuel M. Langston Company, Camden, N. J. Corrugator. 1,835,816; Dec. 8.
Siegel, Alfred, Newark, N. J., assignor, by mesne assignments, to The Grasselli Chemical Company, Wilmington, Del. Azo dyestuffs and their preparation. 1,803,657; May 5.
Siegel, Fred W., Newark, N. J. Clinch staple. 1,798,989; Mar. 31.
Siegel, Henry S., Philadelphia, Pa. Electric floor lamp. Des. 83,928; Apr. 14.
Siegel, Joseph, Detroit, Mich. Hose supporter. 1,803,214; Apr. 28.
Siegel, Joseph, Detroit, Mich. Girdle. 1,829,160; Oct. 27.
Siegel, Morris, Los Angeles, Calif. Combined folding table, ash and buffet tray. 1,813,090; July 7.
Siegel, Morris, Brooklyn, N. Y. Resilient heel. 1,832,744; Nov. 17.
Siegel, Victor N., Paris, France. Base for a display stand or similar article. Des. 84,552; June 30.
Siegenthaler, Samuel, Horback, near Bischofszell, Switzerland. Transportable machine for scattering grass and hay. 1,790,447; Jan. 27.
Siegfreid, Wilbur L., assignor to The McBee Binder Company, Athens, Ohio. Loose leaf binder. 1,833,044; Nov. 24.
Sieglaff, Arthur W., Milwaukee, Wis. Airplane-wing stabilizer. 1,790,329; Jan. 27.
Siegle, Jacob C., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Joint for iron and steel pipes and tubes. 1,810,091; June 16.
Siegler, Edouard H., Sligo, Md. Tree band. 1,814,414; July 14.
Siegmund, Humphreys O., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic device. 1,792,512; Feb. 17.
Siegmund, Humphreys O., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Forming contacts. 1,792,552; Feb. 17.
Siegmund, Humphreys O., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical switching apparatus. 1,799,651; Apr. 7.
Siegmund, Humphreys O., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrolytic device. 1,816,875; Aug. 4.
Siegmund, Humphreys O., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making electrical switch contacts. 1,837,238; Dec. 22.
Siegrist, George. (See Judd, N. H., and Siegrist.)
Sieja, Szczepan, Chicago, Ill. Stringed instrument attachment. 1,797,592; Mar. 24.
Sieman, William, jr., Menominee, Mich. Engine piston and making the same. 1,820,253; Aug. 25.
Siemann, Henry M., Fort Lupton, Colo. Flag holder. 1,836,405; Dec. 15.
Siemens-Bauunion Gesellschaft mit beschrankter Haftung, Kommanditgesellschaft. (See Greim, Walter, assignor.)
Siemens-Bauunion Gesellschaft mit beschränkter Haftung Kommanditgesellschaft. (See Joosten, Hugo, assignor.)
Siemens Bauunion G. m. b. H. Kommanditgesellschaft. (See Müller, Michael, assignor.)
Siemens-Bauunion G. m. b. H. Kommanditgesellschaft. (See Zemlin, Carl, assignor.)
Siemens, Friedrich C., Berlin, Germany. Water-cooled slide rail for reheating furnaces. 1,795,410; Mar. 10.
Siemens, Friedrich C., Berlin, Germany. Regenerative furnace. 1,834,476; Dec. 1.
Siemens & Halske Aktiengesellschaft. (See Anders, Otto, assignor.)
Siemens & Halske Aktiengesellschaft. (See Birett, Walter, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Bornschein, Rodolpho, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Büchting, M. U., Grüss, and Liesegang, assignors.)
Siemens & Halske Aktiengesellschaft. (See Dahms, Rudolf, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Engelhardt, V., and Gross, assignors.)
Siemens & Halske Aktiengesellschaft. (See Etzrodt, Karl, assignor.)
Siemens & Halske Aktiengesellschaft. (See Feldtkeller, R., and Wolman, assignors.)
Siemens & Halske, Aktiengesellschaft. (See Fichler, F., Grüss, and Schleicher, assignors.)
Siemens & Halske Aktiengesellschaft. (See Fischer, Ernst, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Fischer, Johannes, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Frenzel, Fritz, assignor.)
Siemens & Halske Aktiengesellshaft. (See Gaarz, W., and Dalchau, assignors.)
Siemens & Halske, Aktiengesellschaft. (See Gaarz, W., Sorge, and Schleicher, assignors.)
Siemens & Halske, Aktiengesellschaft. (See Gaedke, Otto, assignor.)
Siemens & Halske Aktiengesellschaft. (See Gehrts, A., and Kolligs, assignors.)
Siemens & Halske, Aktiengesellschaft. (See Gerdien, H., and Reichmann, assignors.)
Siemens & Halske, Aktiengesellschaft. (See Grebel, Bruno, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Grüss, Heinz, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Gruss, H., and Rau, assignors.)
Siemens & Halske Aktiengesellschaft. (See Herrmann, Johannes, assignor.)
Siemens & Halske Aktiengesellschaft. (See Jaumann, Andreas, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Jipp, August, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Keinath, G., and Sieber, assignors.)
Siemens & Halske Aktiengesellschaft. (See Kruse, Robert, assignor.)
Siemens & Halske Aktiengesellschaft. (See Kusche, W., Dahms, and Pfleiderer, assignors.)
Siemens & Halske Aktiengesellschaft. (See Langer, Max, assignor.)
Siemens & Halske Aktiengesellschaft. (See Lill, Friedrich, assignor.)
Siemens & Halske Aktiengesellschaft. (See Mansel, Paul, assignor.)
Siemens & Halske Aktiengesellschaft. (See Mathias, Maximilian, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Morsbach, Kurt, assignors.)
Siemens & Halske, Aktiengesellschaft. (See Noddack, Walter and I., assignors.)

Siemens & Halske Aktiengesellschaft. (See Nölke, Ernst, assignor.)
Siemens & Halske Aktiengesellschaft. (See Poleck, Hans, assignor.)
Siemens & Halske Aktiengesellschaft. (See Preuss, Alexander, B., assignor.)
Siemens & Halske Aktiengesellschaft. (See Radke, Gerhard, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Reichmann, Reinhold, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Schirm, Otto, assignor.)
Siemens & Halske Aktiengesellschaft. (See Schleicher, M., and Brandenburger, assignors.)
Siemens & Halske Aktiengesellschaft. (See Schottky, Walter, assignor.)
Siemens & Halske Aktiengesellschaft. (See Schuchmann, Hans, assignor.)
Siemens & Halske Aktiengesellschaft. (See Siede M., and Lubberger, assignors.)
Siemens & Halske Aktiengesellschaft. (See Stich, Johannes, assignor.)
Siemens & Halske Aktiengesellschaft. (See Tatzl, Hans, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Thierbach, Dietwalt, assignors.)
Siemens & Halske Aktiengesellschaft. (See Weeber, O., and Soldan, assignors.)
Siemens & Halske, Aktiengesellschaft. (See Wüsteney, Herbert, assignor.)
Siemens & Halske Aktiengesellschaft Wernerwerk. (See Rassow, Horst, assignor.)
Siemens-Reiniger-Veifa Gesellschaft fur medizinische Technik m. b. H. (See Niemann, K., and Leuteritz, assignors.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Altenkich Edmund, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Bayha, H., Hahn, and Heymann, assignors.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Benz, Carl, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Berthold, Rudolf G., assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Berthold, R. G., and Fritsch, assignors.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Berthold, R. G., and Strigel, assignors.)
Siemens-Schuckertwerke Aktiengesellschaft. See Besold, Hans, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Deetjen, Richard, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Döring, Fritz, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Eule, Martin, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Feldmann, Wilhelm, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Fischer, Ernst, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Gumz, Wilhelm, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Hackethal, Johannes, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Hanff, Ferdinand, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Köhler, Ferdinand, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Krell, O., and Gerdien, assignors.)
Siemens Schuckertwerke Aktiengesellschaft. (See Krüger, Albert, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Kuhl, Leo, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Kühns, A., and Kesselring, assignors.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Mayr, Karl A., assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Ossanna, J., Granner, and Hofman, assignors.)
Siemens - Schuckertwerke Aktiengesellschaft. (See Schrottke, Franz, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Weimers, Wilhelm, assignor.)
Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung. (See Altenkirch, Edmund, assignor.)
Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung. (See Berthold, Rudolf G., assignor.)
Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung. (See Gliechmann, Hans, assignor.)
Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Hanff, Ferdinand, assignor.)
Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Stender, Waldewar, assignor.)
Siemens-Schuckertwerke, Gesellschaft mit beschrankter Haftung in Liquidation. (See Glichmann, H., and Gumz, assignors.)
Siemer, Joseph H., St. Louis, Mo. Perforating punch. 1,802,282; Apr. 21.
Siemiana, Casimir, Bay City, Mich. Beet harvester. 1,813,967; July 14.
Siepp, Fred, Kimball, Nebr. Beet harvesters. 1,837,077; Dec. 15.
Sierad, Albert E. (See Sierad, Milton and A. E., assignors.)
Sierad, Milton, assignor to George W. Button Corporation, New York, N. Y. Bottle. Des. 85,307; Oct. 6.
Sierad, Milton, New York, and A. E. Sierad, Bronx, assignors to George W. Button Corporation, New York, N. Y. Cosmetic appliance. 1,833,541; Nov. 24.
Sierer, Bert S., assignor to M. N. Hartz, Bywood, doing business as Hartz Machinery Company, Philadelphia, Pa. Bin hopper. 1,794,326; Feb. 24.
Sierp, Friedrich. (See Imhoff, K., Fries, and Sierp.)
Sierra Sulphur Corporation, Ltd. (See Crowley, A. J., and Hazen, assignors.)
Siers, John A. H., Jersey City, N. J. Hair waving device. 1,836,045; Dec. 15.
Siesel, S. M., Co. (See Chapin, Harold S., assignor.)
Siess, Robert E., and D. J. La Bauve, Lake Charles, La. Ratchet wrench. 1,815,804; July 21.
Sievers, Arthur W., Valparaiso, Ind., assignor to N. S. Amstutz. Speller sign. 1,798,908; Mar. 31.
Siewecke, Adolf. (See Pfaff, J. K., and Siewecke.)
Siggins, Clarence L. (See Siggins, Frederick A. and C. L.)
Siggins, Frederick A. and C. L., Detroit, Mich. Partition for automobiles. 1,804,033; May 5.
Signal Engineering & Manufacturing Company. (See Burdick, Herbert, assignor.)
Signature Company, The. (See Hemming, Daniel W., assignor.)
Signode Steel Strapping Company. (See Leslie, John W., assignor.)
Signode Steel Strapping Company. (See Pagel, Ernest C., assignor.)
Signode Steel Strapping Company. (See Treat, Sidney W., assignor.)
Signor, William E., South Cortland, N. Y. Signal. 1,792,250; Feb. 10.
Sigoda, Victor J., Brooklyn, N. Y. Hemstitch attachment for sewing machines. 1,828,879; Oct. 27.
Sigsbee, Paul R., Wilbraham, Mass., assignor to S. H. Camp, doing business as S. H. Camp & Company, Jackson, Mich. Abdominal support. 1,798,502; Mar. 31.
Siino, Joseph, Pittsburg, Calif. Door holder. 1,830,296; Nov. 3.
Sikorsky Aviation Corporation. (See Sikorsky, Igor, assignor.)
Sikorsky Aviation Corporation. (See Sikorsky, Igor I., assignor.)
Sikorsky, Igor, College Point, N. Y., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Aircraft, including seat for same. 1,807,939; June 2.
Sikorsky, Igor, College Point, N. Y., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Aircraft including windows for same. 1,833,917; Dec. 1.
Sikorsky, Igor, College Point, Long Island, N. Y., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Aircraft, especially aircraft of the amphibian type, including means of constructing and operating the same. 1,838,044; Dec. 22.
Sikorsky, Igor I., College Point, N. Y., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Aircraft especially of the amphibion type including means for mounting engines thereon. 1,816,129; July 28.
Sikorsky, Igor, Nichols. Conn., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Aircraft including differential aileron control system for same. 1,813,039; Nov. 10.
Sikorsky, Igor I., Lordship, Conn., assignor to Sikorsky Aviation Corporation, Wilmington, Del. Aircraft including wing panel and fuel tank assembly for same. 1,816,130; July 28.
Silbaugh, George W., Charleroi, Pa. Bolt. 1,798,002; Mar. 24.
Silberhartz, Jacob, et al. (See Colucci, John M., assignor.)
Silberhartz, Philip, et al. (See Colucci, John M., assignor.)
Silberman, David, New York, N. Y. Sewing machine attachment for sewing eye tape. 1,830,917; Nov. 10.
Silbermann, Walter, Kassel-Harleshausen, Germany. Ventilating device for the interior of closed car bodies. 1,836,622; Dec. 15.
Silberstein, Sydney G., Brooklyn, N. Y. Shadow-box construction. 1,794,210; Feb. 24.
Silberstein, Sydney G., Brooklyn, N. Y. Display device. 1,827,803; Oct. 20.
Silberstrom, Leo, Berlin, Germany. Duplicating. 1,789,783; Jan. 20.
Silen, Erick, Stella, Wash. Scooter-coaster. 1,834,258; Dec. 1.
Silent, Harold C. (See Mitchell, D., and Silent.)
Silent, Harold C., Los Angeles, Calif., assignor to American Telephone and Telegraph Company. System for measuring delayed-current effects. 1,790,079; Jan. 27.
Silent, Harold C., Los Angeles, Calif., assignor to American Telephone and Telegraph Company. Prevention of parasitic oscillations. 1,807,759; June 2.
Silent Glow Oil Burner Corporation, The. (See Gilbert, Alfred J., assignor.)
Siler, Alfred W., Indianapolis, Ind., assignor to Fairbanks, Morse & Co., Chicago, Ill. Protecting and cooling means for dynamo-electric machines. 1,794,649; Mar. 3.
Siler, Robert W., Willowbrook, Calif Pipe racking device 1,818,278; Aug. 11.
Silfree Aktiengesellschaft (Silfree Limited) Vaduz. (See Roehrich, Carl, assignor.)
Silica Gel Corporation, The. (See Barclay, Earle H., assignor.)

Silica Gel Corporation, The. (See Miller, Ernest B., assignor.)
Silica Gel Corporation, The. (See Miller, E. B., and Benzon, assignors.)
Silica Gel Corporation, The. (See Miller, E. B., and Edel, assignors.)
Silica Gel Corporation, The. (See Wagner, Fred H., jr., assignor.)
Silica Gel Corporation, The. (See Wilson, Alvin C., assignor.)
Silica Products Co. (See Cross, Roy, assignor.)
Silk City Metals Coating Company. (See Adler, J., and Doerseln, assignors.)
Silkebaken, Carrie O., et al., trustees. (See Shepard, Earnest D., assignor.)
Silkebaken, M. M., et al., trustees. (See Shepard, Earnest D., assignor.)
Sill, Jerry, assignor to American Envelope Company, Chicago, Ill. Hat. Des. 83,180; Jan. 27.
Sillcox, Lewis K., Watertown, N. Y., assignor to The New York Air Brake Company. Airbrake. 1,835,246; Dec. 8.
Sillers, Donald A., Dallas, H. W. Price, Breckenridge, and J. W. Bartlett, Houston, Tex., assignors, ot Refinery Supply Company, Tulsa, Okla. Recording gravitometer for gases. 1,824,305; Sept. 22.
Sills, George W., Chicago, Ill., assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Guide for rolling mills. 1,826,531; Oct. 6.
Silman, Harry I., St. Marys, Pa. Combination button and belt strap. 1,833,439; Nov. 24.
Silten, Heinz, Berlin, assignor to Sauerstoff-Centrale fur Medizinische Zwecke Dr. Ernst Silten, Berlin, Germany. Electrically operated piston gas pump unit. 1,832,588; Nov. 17.
Silunt-Kaddi Corporation. (See Boden, J. E., and Orr, assignors.)
Silurificio Whitehead Di Fiume Societa Anonima. (See Orlando, Paolo, assignor.)
Silva, Aladin A., Moratuwa, Colombo, Ceylon. Camera. 1,814,973; July 14.
Silva, Albert D., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Amplifying system. 1,828,688; Oct. 20.
Silva, Antone J., Milton, Calif. Vertebræ stretcher. 1,804,441; May 12.
Silva, Frank F., Woodland, Calif. Attachment for hayrakes. 1,838,670; Dec. 29.
Silva, John M., Volta, Calif. Scraper. 1,793,968; Feb. 24.
Silva, Manual S., Decota, assignor of three-tenths to A. J. Roberts, Hayward, Calif. Two-way signal device. 1,796,694; Mar. 17.
Silva, Manuel S., Decota, and A. J. Roberts, Hayward, Calif. Signal device for vehicles. 1,796,847; Feb. 3.
Silvano, Emilio, and V. L. Cerri, Genoa, Italy. Device for washing material. 1,794,039; Feb. 24.
Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Cam-grinding apparatus. 1,791,479; Feb. 3.
Silven, Herbert A., and A. G. Belden, assignors to Norton Company, Worcester, Mass. Work supporting mechanism for grinding machines. 1,837,342; Dec. 22.
Silver, Maxwell, Bronx, assignor to Farrington & Evans, Inc., New York, N. Y. Imparting suede finish to woven paper hats. 1,821,854; Sept. 1.
Silver, Ralph L., assignor to Knightstown Body Company, Knightstown, Ind. Funeral car. 1,830,376; Nov. 3.
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Cultivator. 1,791,539; Feb. 10.
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Lister. 1,813,207; July 7.
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Cultivator. 1,819,847; Aug. 18.
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Ridge burster. 1,822,711; Sept. 8.
Silverman, Joseph, Chicago, Ill. Landing gear for aeroplanes. 1,804,817; May 12.
Silver Springs Bleaching & Dyeing Company, Limited, The. (See Hall, Archibald J., assignor.)
Silvers, Samuel, Waterloo, Iowa. Air pump. 1,821,900; Sept. 1.
Silvers, Samuel, Waterloo, Iowa. Humidifier. 1,836,193; Dec. 15.
Silvers, Samuel, Waterloo, Iowa. Humidifier. 1,836,194; Dec. 15.
Silverstein, William I., Brooklyn, N. Y. Reversible cap. 1,816,346; July 28.
Silverstein, William I., Brooklyn, N. Y. Cap. 1,818,764; Aug. 11.
Silverstein, William I., Brooklyn, N. Y. Military cap. 1,818,765; Aug. 11.
Silvestri, Enrico, Milan, Italy. Collapsible or folding ski. 1,831,326; Nov. 10.
Silvestri, Enrico, Milan, Italy. Dismountable sleigh mounted upon skis. 1,836,623; Dec. 15.
Silvio, Joseph, Chicago, Ill. Bed bracket. 1,833,692; Nov. 24.
Silvus, William G., Liverpool, assignor to Mersey Paper Company, Limited, Liverpool, Nova Scotia, Canada. Truck. 1,838,288; Dec. 29.
Sim, James, Cathcart, Glasgow, assignor to G. & J. Weir Limited, Glasgow, Scotland. Condensing plant of steamships. 1,796,056; Mar. 10.
Sim, James, assignor to G. & J. Weir, Limited, Cathcart, Glasgow, Scotland. Deaerating of feed water for boilers. 1,800,178; Apr. 14.
Sim, James, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Multistage steam-jet ejector. 1,810,873; June 16.
Simman, Burnett, et al. (See Olaszy, Joseph, assignor.)
Simchuk, George, Medical Lake, assignor of one-half to R. D. Cowen, Spokane, Wash. Dam construction. 1,797,517; Mar. 24.
Simjian, Luther G., New Haven, Conn. Illuminating apparatus for photographic use. 1,790,250; Jan. 27.
Simjian, Luther G., New Haven, Conn. Apparatus for producing margined photographs. 1,795,050; Mar. 3.
Simjian, Luther G., New Haven, Conn. Pose-reflecting system for photographic apparatus. 1,795,051; Mar. 3.
Simjian, Luther G., New Haven, Conn. Pose-reflecting system for photographic apparatus. 1,799,767; Apr. 7.
Simjian, Luther G., New Haven, Conn. Photographic developing apparatus. 1,819,848; Aug. 18.
Simjian, Luther G., New Haven, Conn. Pose-reflecting system for photographic apparatus. 1,830,770; Nov. 10.
Simkus, George. (See Stoddard, E. S., and Simkus, assignors.)
Simler, George C., et al. (See Albertson, Luther D., assignor.)
Simmen Automatic Railway Signal Company. (See Simmen, Paul J., assignor.)
Simmen, Oscar, Erlach, assignor to Firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Cooling of internal combustion engines for vehicles. 1,829,195; Oct. 27.
Simmen, Paul J., Eden, N. Y. Circuit control of train control systems. 1,806,831; May 26.
Simmen, Paul J., Eden, N. Y. Automatic train control. 1,820,713; Aug. 25.
Simmen, Paul J., assignor to Simmen Automatic Railway Signal Company, Eden, N. Y. Automatic train control. 1,806,830; May 26.
Simmen, Paul J., assignor to Simmen Automatic Railway Signal Company, Eden, N. Y. System for controlling moving vehicles comprising multiple signals. 1,827,406; Oct. 13.
Simmen, Paul J., Buffalo, assignor to Simmen Automatic Railway Signal Company, Eden, N. Y. Automatic speed control system. 1,827,407; Oct. 13.
Simmions, Louis, New York, N. Y. Vocalscope. 1,836,777; Dec. 15.
Simmon, Karl A., San Francisco, Calif. Lighting system. 1,792,251; Feb. 10.
Simmonds, Harry L., San Diego, Calif. Fire prevention device for oil wells. 1,824,411; Sept. 22.
Simmonds, Oliver E., Holmfels, Woolston, England. Aeroplane wing. 1,802,283; Apr. 21.
Simmons, Charles W., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Device for pressure fluid control valves. 1,828,206; Oct. 20.
Simmons Company. (See Barnes, George W., assignor.)
Simmons Company. (See Bayer, Matthew F., assignor.)
Simmons Company. (See Gail, John F., assignor.)
Simmons Company. (See Graff, Philip E., assignor.)
Simmons Company. (See Kusterle, Frank, assignor.)
Simmons Company. (See McCullough, William E., assignor.)
Simmons Company. (See Parry, William H., sr., assignor.)
Simmons Company. (See Zierner, Hugo P., assignor.)
Simmons, Elias, London, England. Sign for advertising and other purposes. 1,799,709; Apr. 7.
Simmons Glare Shield Company. (See Simmons, William A., assignor.)
Simmons, Ira J., Clairton, Pa. Rolling mill. 1,833,376; Nov. 24.
Simmons, Leon E., Claremont, N. H., assignor to Sullivan Machinery Company. Lubricating system. 1,820,201; Aug. 25.
Simmons, Oliver G., Lakewood, Ohio. Cutting gear teeth. Re18,021; Mar. 31.
Simmons, Oliver G., Lakewood, Ohio. Gear shaped cutter and making same. 1,809,868; June 16.
Simmons, Oliver G., Lakewood, Ohio. Gear shaper cutter and making same. 1,809,869; June 16.
Simmons, Oliver G., Lakewood, Ohio. Generating gears. 1,811,568; June 23.
Simmons, Oliver G., Lakewood, assignor to The National Tool Company, Cleveland, Ohio. Knife for hullers. 1,811,282; June 23.
Simmons, Parker T., East Hampton, N. Y. Batting apparatus for baseball games and the like. 1,793,969; Feb. 24.
Simmons, Paul R., Marion, Ind. Metal leg and tie strap for containers. 1,797,373; Mar. 24.
Simmons, Paul R., assignor to Indiana Fibre Products Company, Marion, Ind. Feeding device for paper-sheet stock. 1,789,160; Jan. 13.
Simmons, Thomas H. J., Potters Bar, and F. W. Blackburne, London, England, assignors, by mesne assignments, to Otis Elevator Company, New York, N. Y. Belt supporting and driving mechanism. 1,820,634; Aug. 25.
Simmons, Ulys A. (See Gray, A. S., and Simmons.)
Simmons, William A., assignor to Simmons Glare Shield Company, Eldon, Mo. Glare shade. 1,835,187; Dec. 8.
Simmons, William I., Novi, Mich. Trap. 1,817,589; Aug. 4.
Simmons, William L., Redondo Beach, Calif. Packing lubricator. 1,832,252; Nov. 17.

Simms, Carson W., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Manufacture of ethers of diacetone alcohol. 1,823,704; Sept. 15.
Simms, Carson W., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Finish remover. 1,835,724; Dec. 8.
Simms, Frederick R., London, and B. C. Joy, West Hampstead, London, England. Cleansing or filtering lubricating oils. 1,806,001; May 19.
Simms, Frederick R., London, and B. C. Joy, West Hampstead, London, England. Cleansing or filtering lubricating oils. 1,806,002; May 19.
Simms, Frederick R., and B. C. Joy, London, England. Dust separator. 1,838,117; Dec. 29.
Simms, Oliver C., Williston Park, N. Y. Radiobench or the like. Des. 83,355; Feb. 17.
Simms, William M., Roxury, Mass. Lifeboat-releasing device. 1,791,576; Feb. 10.
Simning, Roy B., Detroit, Mich. Vehicle transport construction. 1,826,960; Oct. 13.
Simon, Arthur, Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Protective means for polyphase circuits. 1,799,932; Apr. 7.
Simon, Arthur, Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Illumination control system. 1,827,043; Oct. 13.
Simon, Arthur R., La Porte, Ind. Adjustable visor. 1,798,856; Mar. 31.
Simon, Arthur R., La Porte, Ind. Adjustable visor. 1,807,879; June 2.
Simon Ascher and Company. (See Grumbach, Harry, assignor.)
Simon, Daniel. (See Schacher, Adolf, assignor.)
Simon, Forest C., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Locking mechanism for cake former end gates. 1,817,946; Aug. 11.
Simon, Frank, Brooklyn, N. Y. Extensible level. 1,789,344; Jan. 20.
Simon, Isidore, Chicago, Ill. Heel. 1,813,515; July 7.
Simon, Isidore, Chicago, Ill. Molded article. 1,816,200; July 28.
Simon, Isidore, Chicago, Ill. Making shoes, innersoles, and the like. 1,827,044; Oct. 13.
Simon, Jack, et al. (See Fleigel, Benjamin, assignor.)
Simon, Karl A., assignor of one-half to E. J. Boardman, Jackson, Mich. Capsule toothbrush. 1,811,833; June 23.
Simon, Martin E., San Francisco, and J. A. O'Connor, Berkeley, Calif., said O'Connor assignor to said Simon. Apparatus for identifying elements. 1,793,970; Feb. 24.
Simon, Max. (See Heusner, K., and Simon.)
Simon, Raoul. (See Doms, J., Wolter, and Simon.)
Simon, Reuben, Leominister, Mass. Key blank. 1,795,318; Mar. 10.
Simon, Robert, Chicago, Ill. Locking door handle. 1,820,504; Aug. 25.
Simon, Robert R. (See Kabins, Max, assignor.)
Simon, Samuel, Brooklyn, N. Y., assignor of one-half to L. A. Pincus, Washington, D. C. Garment steaming and stretching device. 1,817,590; Aug. 4.
Simon, Walter H., Ballardvale, Mass. Picture-hanger plate. 1,794,327; Feb. 24.
Simon, Walter H., Ballardvale, Mass. Picture-hanger plate. 1,794,328; Feb. 24.
Simonds, Dewey T., Schenectady, N. Y., assignor to General Electric Company. Radio receiving system. 1,829,965; Nov. 3.
Simonds, Francis M., assignor of one-half to A. F. Hyde, New York, N. Y. Process and apparatus for the gaseous treatment of finely divided material. 1,802,959; Apr. 28.
Simonds, Francis M., assignor of one-half to A. F. Hyde, New York, N. Y. Hearth. 1,802,960; Apr. 28.
Simonds Saw and Steel Company. (See Elmers, Leon R., assignor.)
Simonds Saw and Steel Company. (See Fee, Clarence A., assignor.)
Simonds Saw and Steel Company. (See Remington, Alfred M., assignor.)
Simonds, Warren J., and C. C. Harris, assignors to Rodney Hunt Machine Company, Orange, Mass. Bearing for wood rolls. 1,803,735; May 5.
Simonds Worden White Company. (See Allison, Albert J., assignor.)
Simonds Worden White Company. (See Anderson, Edward, assignor.)
Simonds Worden White Company. (See Gloyd, Frank M., assignor.)
Simone, Antonio V., Croton-on-Hudson, N. Y. Shaving composition. 1,803,076; Apr. 28.
Simone, Frank (See La Sala, M. R., and Simone.)
Simone, Frank, New York, N. Y. Ticket dispensing and registering machine. 1,812,642; June 30.
Simonek, Rudolph J., New York, assignor to Dennis King, Great Neck, N. Y. Closure. 1,799,197; Apr. 7.
Simonel, George, Bloomington, and W. H. Johnson, Terre Haute, assignor to The Nurre Mirror Plate Company, Bloomington, Ind. Glass-mitering machine. 1,799,129; Mar. 31.
Simonel, George, Bloomington, and W. H. Johnson, Terre Haute, assignors to The Nurre Mirror Plate Company, Bloomington, Ind. Mirror mitering machine. 1,812,415; June 30.
Simons, Abraham, New York, N. Y. Nut device. 1,813,968; July 14.
Simons, Ernest D., Cheshire, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn. Pearl cap snap fastener socket member. 1,831,202; Nov. 10.
Simons, Francis L., Kennebunk, Me., H. J. Skinner, Wakefield, and R. M. Fuoss, Cambridge, assignors to Skinner & Sherman Inc., Boston, Mass. Measuring the freeness of pulp. 1,822,604; Sept. 8.
Simons, George A., and G. Freeberg, assignors to Simons Millwork, Inc., Minneapolis, Minn. English mantel. Des. 83,065; Jan. 13.
Simons, George A., and G. Freeberg, assignors to Simons Millwork, Inc., Minneapolis, Minn. Corner china closet. Des. 83,066; Jan. 13.
Simons, George A., and G. Freeberg, assignors to Simons Millwork, Inc., Minneapolis, Minn. Stairway unit. Des. 83,067; Jan. 13.
Simons, George A., and G. Freeberg, assignors to Simons Millwork, Inc., Minneapolis, Minn. Stairway unit. Des. 83,648; Mar. 10.
Simons, George A., and G. Freeberg, assignors to Simons Millwork, Inc., Minneapolis, Minn. Kitchen cabinet. Des. 83,703; Mar. 17.
Simons, George D., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Motor vehicle. 1,804,121; May 5.
Simons, George W., Posey, Ill. Clothes drier. 1,798,562; Mar. 31.
Simons, Lillius, Social Circle, Ga. Cotton seed cleaner. 1,823,575; Sept. 15.
Simons Millwork, Inc. (See Simons, G. A., and Freeberg, assignors.)
Simonsen Iron Works. (See Simonsen, Niels C., assignor.)
Simonsen, Niels C., Sioux Rapids, assignor to Simonsen Iron Works, Sioux Rapids, Iowa. Mounting for oil gauges and the like. 1,800,572; Apr. 14.
Simonsen, Ole K., et al. (See Neilsen, Peter C., assignor.)
Simonson, George H., Springfield, Mass., assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Machine for trimming the tuft yarns of tube frames. 1,825,617; Sept. 29.
Simplex Copper Joint Company, The. (See Schultis, Charles F., assignor.)
Simplex Engineering Company. (See Amsler, Walter O., assignor.)
Simplex Engineering Company. (See Sylvester, Julius, assignor.)
Simplex Engineering Company. (See Thompson, Harry M., assignor.)
Simplex Engineering Company. (See Wilson, John N., assignor.)
Simplex Equipment Company. (See Barrows, D. S., and Blake, assignors.)
Simplex Equipment Company. (See Blake, E. J., and Bouché, assignors.)
Simplex Equipment Company. (See Creveling, John L., assignor.)
Simplex Gold Stamping Press Co. (See Williams, Frank, assignor.)
Simplex Ignition Corporation. (See Kilponen, Edward, assignor.)
Simplex Manufacturing Company. (See Beddow, Charles R., assignor.)
Simplex Manufacturing Company. (See Howe, William G., assignor.)
Simplex Paper Corporation. (See Wood, Arthur H., assignor.)
Simplex Piston Ring Company of America, Inc., The. (See Blomgren, Henry E., assignor.)
Simplex Piston Ring Company of America, Inc., The. (See Harrington, Norman T., assignor.)
Simplex Valve & Meter Company. (See Ledoux, John W., assignor.)
Simplex Wire & Cable Company. (See Boggs, C. R., and Blake, assignors.)
Simplex Wire and Cable Company. (See Crowdes, George J., assignor.)
Simplicity Engineering Company. (See Behnke, G. W., and Soldan, assignors.)
Simplo Füllfeder Gesellschaft Voss, Lausen & Dziambor. (See Dziambor, Wilhelm, G. H., assignor.)
Simplo Fullfeder Gesellschaft Voss, Lausen & Dziambor. (See Heerklotz, Max, assignor.)
Simpson, Arthur E., Los Angeles, Calif. Insect control device. 1,815,595; July 21.
Simpson, Charles W., Harlingen, Tex. Supporting hanger for roller shades. 1,799,137; Mar. 31.
Simpson, Christine M. (See Waterbor, Elmer F., assignor.)
Simpson, Clarence E. (See Bull, W. R., and Simpson.)
Simpson, Dundas. (See Barker, Albert A. S., assignor.)
Simpson, Edward. (See Truesdale, R., Smith, and Simpson.)
Simpson, Edward R., San Bernardino, Calif. Concussion switch. 1,834,036; Dec. 1.
Simpson, Emory G., and F. M. Edgar, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Adjustable structure for seats. 1,794,650; Mar. 3.
Simpson, Francis M., and R. Terry, Stroud, Okla.; said Terry assignor to said Simpson. Heat conserving attachment for upright boilers. 1,816,158; July 28.
Simpson, Frank R., Upper Darby, Pa., assignor to Westinghouse Electric & Manufacturing Company. 1,823,311; Sept. 15.
Simpson, Frederick C. (See Allen, G., jr., and Simpson.)

Simpson, Harrison D., assignor to Krementz & Company, Newark, N. J. Chain strap. 1,821,676; Sept. 1.
Simpson, James, assignor to Abingdon Sanitary Mfg. Co., Abingdon, Ill. Seam cover for urinals. 1,838,580; Dec. 29.
Simpson, James W., and F. H. Mueller, assignors to Mueller Co., Decatur, Ill. Corporation stop with offset connection. 1,789,079; Jan. 13.
Simpson, John, assignor to Fairbury Windmill Company, Fairbury, Nebr. Pump-rod swivel for windmills. 1,793,519; Feb. 24.
Simpson, John M., Muncie, Ind. Transmission gearing. 1,794,738; Mar. 3.
Simpson, John M., Muncie, Ind. Overspeed transmission. 1,802,482; Apr. 28.
Simpson, John O., assignor to The E. Ingraham Company, Bristol, Conn. Direction indicating turn-button for clocks, etc. 1,817,447; Aug. 4.
Simpson, Kenneth M., New York N. Y. Carbonizing coal. 1,800,910; Apr. 14.
Simpson, Kenneth M., New York, N. Y. Refining ferrochrome. 1,826,261; Oct. 6.
Simpson, Kenneth M., New York, N. Y. Apparatus for carbonization of coal. 1,831,512; Nov. 10.
Simpson, Kenneth M., assignor to International Chromium Process Corporation, New York, N. Y. Metallurgical process. 1,812,563; June 30.
Simpson, Lancelot M. (See Taylor, R., and Simpson.)
Simpson, Lancelot M., Leeds, England, assignor to Associated Telephone and Telegraph Company, Kansas City, Mo. Telephone system. 1,795,349; Mar. 10.
Simpson, Leo L., and W. H. Brown, Bryn Mawr, Wash. Briquetting composition. 1,800,875; Apr. 14.
Simpson, Lowe E., Cincinnati, Ohio. Sifting and sorting machine. 1,791,291; Feb. 3.
Simpson, Robert C., assignor to Electric Boat Company, Groton, Conn. Submarine boat. 1,795,686; Mar. 10.
Simpson, Robert D., Columbus, Ohio. Liquid distributor. 1,805,852; May 19.
Simpson, Robert D., Columbus, Ohio. Oscillatory liquid distributor. 1,815,658; July 21.
Simpson, Robert E., Taft, Calif. Cable tool underreamer. 1,803,873; May 5.
Simpson, Robert J. O., assignor to The L. S. Starrett Company, Athol, Mass. Micrometer calipers. 1,821,398; Sept. 1.
Simpson, Robert W., Salem, Ohio. Folding table. 1,806,091; May 19.
Simpson, William K., assignor to Hoffman Specialty Company, Waterbury, Conn. Blast trap. 1,799,259; Apr. 7.
Simpson, William K., assignor to Hoffman Specialty Company, Waterbury, Conn. Thermostatic steam trap. 1,828,080; Oct. 20.
Sims, Angus D., and A. C. Wright, Quitman, Miss. Stalk and weed cutter. 1,810,061; June 16.
Sims, Floyd A. (See Uphoff, L. P., and Sims.)
Sims, Floyd A., and L. P. Uphoff, San Jose, Calif. Nozzle. 1,829,878; Nov. 3.
Sims, Willis F., and V. U. Cloer, assignors to Panhandle Refining Company, Wichita Falls, Tex. Apparatus for treating hydrocarbon vapors. 1,821,116; Sept. 1.
Simson, Alexander, Reno, Nev. Display form. 1,809,361; June 9.
Sinclair, Gilbert C., Murraysville, and J. M. Brown, deceased, late of Pittsburgh, Pa., by J. D. Brown, administratrix, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Switch mechanism. 1,790,116; Jan. 27.
Sinclair, Harold, Surbiton Hill, England. Power transmission mechanism and clutch. 1,831,770; Nov. 10.
Sinclair, Harry R., et al., trustees. (See Dodge, John H., assignor.)
Sinclair, Homer, M., Holyoke, Mass. Package. 1,803,636; May 5.
Sinclair, James, Houston, Tex. Irrigating tile. 1,801,758; Apr. 21.
Sinclair, Neil, assignor to Rip Van Winkle Wall Bed Company, Inc., Oakland, Calif. Vertically-pivoted wall bed. 1,793,755; Feb. 24.
Sinclair, Neil, assignor to Rip Van Winkel Wall Bed Company, Inc., Oakland, Calif. Shifting narrow door wall bed. 1,806,955; May 26.
Sinclair, Neil, assignor to Rip Van Winkle Wall Bed Company, Inc., Oakland, Calif. Narrow door wall bed. 1,813,091; July 7.
Sinclair Oil & Gas Company. (See Yates, Louis N., assignor.)
Sinclair, Peter S., Holyoke, Mass. Wiper or cleaner for the dandy rolls of paper making machines. 1,814,864; July 14.
Sinclair Refining Company. (See Apgar, Frank A., assignor.)
Sinclair Refining Company. (See Arnold, William P., jr., assignor.)
Sinclair Refining Company. (See Bell, John E., assignor.)
Sinclair Refining Company. (See Herthel, Eugene C., assignor.)
Sinclair Refining Company. (See Herthel, E. C., and Pelzer, assignors.)
Sinclair Refining Company. (See Isom, Edward W., assignor.)
Sinclair Refining Company. (See Mendius, William, assignor.)
Sinclair Refining Company. (See Pelzer, Harry L., assignor.)
Sinclair Refining Company. (See Stafford, James G., assignor.)
Sinclair Refining Company. (See Taber, George H., jr., assignor.)
Sinclair Refining Company. (See Tifft, T. De C., and Mendius, assignors.)
Sinclair Refining Company. (See White, S. D., and Knopf, assignors.)
Sinclair Refining Company. (See Young, David A., assignor.)
Sinclair, William S., Phoenix, Ariz. Heavy liquid applicator. 1,829,021; Oct. 27.
Sindeband, Maurice L., New York, N. Y., G. N. Tidd, Elizabeth, and J. W. Milnor, Maplewood, N. J., assignors to General Electric Company. Communicating system for power transmission lines. 1,803,149; Apr. 28.
Sindelar, Thomas A., Canton, assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Apparatus for slitting metal sheets. 1,815,487; July 21.
Sindelar, Thomas A., Canton, assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Machine for expanding slitted metal sheets. 1,838,197; Dec. 29.
Sindler, Jay J., assignor to Hodgman Rubber Company, Framingham, Mass. Applying designs to flexible sheet materials. 1,813,587; July 7.
Sinel, Joseph, New York, N. Y. Gasoline dispenser casing. Des. 84,857; Aug. 11.
Siner, Monroe H. (See Stutzenstein, Henry, assignor.)
Singer, Benjamin F. (See Ehemann, J. J., and Singer.)
Singer, Benjamin F. (See Ehemann, J. J., sr., and Singer.)
Singer Bros. Company. (See Singer, Oscar I., assignor.)
Singer, Fred J., Rockville Center, N. Y., assignor to American Telephone and Telegraph Company. Telegraph receiving system. 1,791,577; Feb. 10.
Singer, Fred J., Rockville Center, N. Y., assignor to American Telephone and Telegraph Company. Telegraph receiving system. 1,791,578; Feb. 10.
Singer, Fred J., Rockville Center, N. Y., assignor to American Telephone and Telegraph Company. Telegraph signaling system. 1,791,579; Feb. 10.
Singer, Fritz. (See Liebergeld, Alfred, assignor.)
Singer, Fritz, Nuremberg, Germany. Extruding long seamless tubing. 1,802,785; Apr. 28.
Singer, Fritz, Nuremberg, Germany. Producing closed end tubular bodies. 1,802,843; Apr. 28.
Singer, Fritz, Nuremberg, Germany. Extrusion press. 1,825,017; Sept. 29.
Singer, Fritz, Nuremberg, Germany. Heat and pressure resisting tools. 1,836,821; Dec. 15.
Singer, John F. (See Hirsch, S., and Singer.)
Singer Manufacturing Company, The. (See Ackerman, Albert A., and Thomson, assignors.)
Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)
Singer Manufacturing Company, The. (See Becker, Rudolph, assignor.)
Singer Manufacturing Company, The. (See Chason, Daniel H., assignor.)
Singer Manufacturing Company, The. (See Clayton, Andrew B., assignor.)
Singer Manufacturing Company, The. (See Corrall, H., and Heggie, assignors.)
Singer Manufacturing Company, The. (See Eames, G. M., and Webb, assignors.)
Singer Manufacturing Company, The. (See Goosman, Herbert J., assignor.)
Singer Manufacturing Company, The. (See Hertz, Hjalmar, assignor.)
Singer Manufacturing Company, The. (See Hopper, William, assignor.)
Singer Manufacturing Company, The. (See Johnson, Edwin W., assignor.)
Singer Manufacturing Company, The. (See Lentz, Charles E., assignor.)
Singer Manufacturing Company, The. (See Myers, Walter, assignor.)
Singer Manufacturing Company, The. (See Naul, James M., assignor.)
Singer Manufacturing Company, The. (See O'Neill, Thomas, assignor.)
Singer Manufacturing Company, The. (See Palme, Josef F., assignor.)
Singer Manufacturing Company, The. (See Parkes, William N., assignor.)
Singer Manufacturing Company, The. (See Perkins, Kenneth, assignor.)
Singer Manufacturing Company, The. (See Ray, Eugene J., assignor.)
Singer Manufacturing Company, The. (See Rounds, Samuel J., assignor.)
Singer Manufacturing Company, The. (See Sailer, Rudolph J., assignor.)
Singer Manufacturing Company, The. (See Spaine, Edward P., assignor.)
Singer Manufacturing Company, The. (See Traub, Emil, assignor.)
Singer Manufacturing Company, The. (See Webb, Irving F., assignor.)
Singer Manufacturing Company. (See Willard, C. T., and Kaier, assignors.)
Singer Manufacturing Company, The. (See Zabriskie, H. L., and Chason, assignors.)

Singer, Oscar I., assignor to Singer Bros. Company, Chicago, Ill. Traveling bag. 1,804,122; May 5.
Singer, Robert, New Rochelle, N. Y. Surface cover for ice cream boxes. 1,833,918; Dec. 1.
Singleton, Arthur B., Detroit, Mich., assignor to Nash Engineering Company, South Norwalk, Conn. Priming mechanism for centrifugal pump. 1,817,041; Aug. 4.
Singleton, Charles B., La Grange, Fla., assignor of one-third to B. A. Beal, New York, N. Y., and one-third to T. A. Conway, Titusville, Fla. Rotary plow. 1,787,842; Jan. 6.
Singleton, William H., Jersey City, N. J., assignor of one-half to C. W. Cotton, Cleveland, Ohio. Transmission mechanism. 1,834,259; Dec. 1.
Singley, Benneville L. (See Kurtz, Henry F., assignor.)
Singmaster, James A., Bronxville, N. Y., and H. S. Colton, assignors, by mesne assignments, to Krebs Pigment & Color Corporation, Wilmington, Del. Light resistant lithopone. 1,826,153; Oct. 6.
Singrün, Albert, Epinal, France. Rotary heat interchanger. 1,839,057; Dec. 29.
Sinker-Davis Co., The. (See Herider, John M., assignor.)
Sinko, John, Chicago, Ill. Cigar lighter. 1,837,496; Dec. 22.
Sinkovich, Dezsö, Budapest, Hungary. Combination tie-plate or iron tie and anticreeper for rails. 1,817,325; Aug. 4.
Sinnes, Anton C., Miami, Fla. Window adjuster. 1,825,681; Oct. 6.
Sinykin, Jack L., St. Paul, Minn. Window display stand. Des. 85,007; Sept. 1.
Sioberg, Charles F., assignor to York Safe and Lock Co., York, Pa. Safe structure. 1,838,581; Dec. 29.
Sipe, Harry E., New York, N. Y. Snubber. 1,817,771; Aug. 4.
Sipe, Harry E., New York, N. Y. Tube and pipe coupling. 1,817,772; Aug. 4.
Sipe, Harry E., New York, N. Y. Hinge. 1,817,773; Aug. 4.
Sipe, Harry E., New York, N. Y. Tubular coupling and constructing the same. 1,817,774; Aug. 4.
Sipe, Harry E., New York, N. Y. Metallic coupling device. 1,817,775; Aug. 4.
Sipe, Harry E., New York, N. Y. Coupling. 1,817,776; Aug. 4.
Sipes, William, Shelbyville, Ind. Lawn mower. 1,789,161; Jan. 13.
Sipher, Edmund F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor control system. 1,835,533; Dec. 8.
Siple, Albert H., East Cleveland, Ohio. Paper holder. 1,838,711; Dec. 29.
Sipp Eastwood Corporation. (See Sipp, Grant, assignor.)
Sipp, Edward A., assignor to The Pyle-National Company, Chicago, Ill. Running light for airplanes. 1,790,251; Jan. 27.
Sipp, Grant, assignor to Sipp Eastwood Corporation, Paterson, N. J. Warping machine. 1,820,401; Aug. 25.
Sipp, Grant, assignor to Sipp Eastwood Corporation, Paterson, N. J. Lubricating system for quilling machines. 1,820,402; Aug. 25.
Sippel, William H., and J. E. Farnsworth, assignors, by mesne assignments, to J. H. Morrow, Pittsburgh, Pa. Water-recooling apparatus. 1,790,489; Jan. 27.
Siptrott, Paul, New York, N. Y. Clock frame and making same. 1,789,602; Jan. 20.
Siptrott, Paul, New York, N. Y. Binder for loose sheets or the like. 1,793,520; Feb. 24.
Siptrott, Paul, New York, N. Y. Writing implement. 1,836,342; Dec. 15.
Siqveland, Ivar E., St. Paul, Minn. Collapsible tube holder. 1,828,154; Oct. 20.
Siragusa, Ross D., Chicago, Ill. Power pack. 1,795,052; Mar. 3.
Siragusa, Ross D., Chicago, Ill., assignor to Wilson Electric Laboratories. Current controlling device. 1,802,483; Apr. 28.
Sirch, Charles W., Los Angeles, Calif. Outlet. 1,797,800; Mar. 24.
Sirian Lamp Company. (See Heany, John A., assignor.)
Sirian Wire and Contact Company. (See MacFarland, Albert E., assignor.)
Sirius Kleuren-Film-Maatschappij. (See Horst, Ludwig, assignor.)
Sirks, Jan F. (See Waltman, J. M., and Sirks.)
Sirmans, Clifford L., El Paso, Tex. Coin-controlled fountain-pen-filling device. 1,788,069; Jan. 6.
Sirois, Neal E., Shelby, Ind. Crack filling device. 1,831,146; Nov. 10.
Siry, Herbert, Newport, Ky. Automobile headlight. 1,806,424; May 19.
Sisco, Peter, Chicago, Ill. Confection forming machine. 1,824,796; Sept. 29.
Sisk, Albert F. (See Chambers, M., and Sisk.)
Sisk, Martin A., Pittsburgh, Pa. Pipe fitting. 1,787,645; Jan. 6.
Sisk, Martin A., Pittsburgh, Pa. Surface drain. 1,790,603; Jan. 27.
Siskin, Harry, Los Angeles, Calif. Extension table. 1,807,881; June 2.
Siskin, Harry, Los Angeles, Calif. Furniture upholstery. 1,824,306; Sept. 22.
Siskin, Samuel, Elmira, N. Y. Coat. 1,793,377; Feb. 17.
Sison, Honoria A., Manila, P. I. Sagittal pelvimeter. 1,804,064; May 5.
Sisson, Edward B., assignor of two-fifths to A. W. Ginn, New York, N. Y. Filter. 1,833,919; Dec. 1.
Sisson, Orville, Herington, Kans., assignor of one-half to Thomson Machine Company and one-half to The J. H. Day Company, Cincinnati, Ohio. Adjustable curler apron for dough molding machines. 1,827,958; Oct. 20.
Sisson, Vinton E., Chicago, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,800,363; Apr. 14.
Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Corrugated metallic plate. 1,821,118; Sept. 1.
Sisty, Theodore, and R. L. Penney, Astoria, N. Y. Intercommunicating telephone and signal system. 1,802,675; Apr. 28.
Sisung, Mary G., Detroit, Mich. Ventilator. 1,798,041; Mar. 24.
Sithens, Edward J., Cynwyd, Pa., assignor to American Telephone and Telegraph Company. Bookholder. 1,821,279; Sept. 1.
Sittig, Arthur R., Chicago, assignor to American Manganese Steel Company, Chicago Heights, Ill. Drag-line bucket. 1,795,803; Mar. 10.
Sittig, Herman W., Youngstown, Ohio. Scaffold bracket. 1,820,330; Aug. 25.
Sittig, Karl, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Overspeed governor. 1,830,891; Nov. 10.
Sitton, Elbert R., Houston, Tex. Heat insulation. 1,832,143; Nov. 17.
Sitz, Adolf R., and W. Malcik. Rosebud. Tex. Safety clamp retaining device. 1,831,513; Nov. 10.
Sitzman, Arthur, et al. (See Barnett, Louis, assignor.)
Siuda, Hermann, Modling, Austria. Recovering concentrated acetic acid from dilute acetic acid. 1,796,059; Mar. 10.
Sivera, Vincent R., New Britain, Conn. Trimming ax. 1,821,855; Sept. 1.
Sivertsen, Gudmund. (See Fischer, F., and Sivertsen.)
Sivian, Leon J., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Generation of electric currents. 1,808,579; June 2.
Sivian, Leon J., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave transmission system. 1,832,431; Nov. 17.
Si-Wo Corporation. (See Schwartz, Samuel, assignor.)
Sizer, Albert W., Hessle, England. Molding machine. 1,804,283; May 5.
Sjoberg, Agnes, Upper Montclair, N. J., Cane. 1,824,449; Sept. 22.
Sjödin, Jonas L., Ostersund, Sweden. Hanger for towels and the like. 1,838,642; Dec. 29.
Sjodin, Victor. (See Nelson, August W., assignor.)
Sjogren, Knut R., Los Angeles, Calif. Chuck. 1,789,601; Jan. 20.
Sjogren, Maurits. (See Beechlyn, J. T., and Sjogren, assignors.)
Sjolander, Axel K., assignor to Link-Belt Company, Chicago, Ill. Adjustable bearing. Re18,075; May 19.
Sjölander, Carl G. L., Dalsborg, Gottenborg, Sweden. Electrical resistance welding machine. 1,797,624; Mar. 24.
Sjöman, Carl F., and C. G. Pettersson, assignors to J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag, Stockholm, Sweden. Fuel-injecting apparatus for internal-combustion engines and the like. 1,794,555; Mar. 3.
Sjostrand, Erick, and L. J. Seymour, Waseca, Minn. Spring mattress. 1,838,455; Dec. 29.
Sjostrom, John E., Company. (See Wagner, Clarence C., assignor.)
Sjostrom, Otto A. (See McCoy, R. O., and Sjostrom.)
Skaggs, Mert C., assignor of one-half to C. Mallette, Crocker, Mo. Spare tire and wheel lock. 1,837,683; Dec. 22.
Skala, Ljubomir W., assignor to Skala Research Laboratories, Inc., Cicero, Ill. Diaphragm. 1,800,573; Apr. 14.
Skala Research Laboratories, Inc. (See Skala, Ljubomir W., assignor.)
Skane, James F., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,839,179; Dec. 29.
Skappel, Harald, Oslo, Norway. Smelting sulphide ores to metal, matte, and slag. 1,797,700; Mar. 24.
Skar, John G. L., assignor to Art Metal Construction Company, Jamestown, N. Y. Metallic library or book stack. 1,821,990; Sept. 8.
Skar, John G. L., Jamestown, and H. J. Syren, Buffalo, assignors to Art Metal Construction Company, Jamestown, N. Y. Storage system. 1,807,075; May 26.
Skarbek, John, Hegewisch, Ill. Time-controlled switch for radioreceivers. 1,799,331; Apr. 7.
Skarl, Henry, Cleveland, Ohio, assignor to Hanson-Whitney Machine Company, Hartford, Conn. Thread gauge. 1,792,936; Feb. 17.
Skärlund, Carl A., Selly Park, Birmingham, England. Mechanically-propelled boat. 1,799,183; Apr. 7.
Skau, Meinich. (See Alsaker, A., and Skau.)
Skaupy, Franz, Berlin-Lichterfelde, Germany. Arrangement for singling out parallel monochromatic light rays from a cone of light. 1,792,046; Feb. 10.
Skayef Ball Bearing Company, The. (See Anderson, Erick T., assignor.)
Skayef Ball Bearing Company, The. (See Runge, Robert F., assignor.)

Skayef Ball Bearing Company, The. (See Tawresey, John S., assignor.)
Skayef Ball Bearing Company, The. (See Taylor, Benjamin W., assignor.)
Skeats, Wilfred F., Scotia, N. Y., assignor to General Electric Company. System of electrical distribution. 1,834,807; Dec. 1.
Skeel, Lewis. (See Miller, F. P., and Skeel.)
Skeels, Henry E., Rochester, N. Y., assignor of one-half to W. R. Hughes. Extension ladder. 1,806,185; May 19.
Skeen, Walter O., J. W. McCullough, Greenfield, Ohio, and H. S. Thomas, Chatham, Ontario, Canada, assignors to The American Pad and Textile Company, Greenfield, Ohio. Methods and apparatus for manufacturing cushions or pads. 1,794,480; Mar. 3.
Skelding, Louis, Vancouver, British Columbia, Canada. Furnace. 1,833,440; Nov. 24.
Skelly, Bernard H., Bridgeport, Conn. Egg boiler. 1,831,612; Nov. 10.
Skelly, John S., Monongahela, Pa. Impact bar for automobile bumpers. 1,829,966; Nov. 3.
Skelly, Samuel. (See Bell, F. C., and Skelly.)
Skelly, Ulysses G., Los Angeles, Calif. Oil casing plug. 1,811,407; June 23.
Skelly, William J. (See Jackson, T. A., and Skelly.)
Skelton, William E., Lagrange, Ga. Washing machine. 1,790,392; Jan. 27.
Skenandoa Rayon Corporation. (See Gordon, Beirne, jr., assignor.)
Skenandoa Rayon Corporation. (See Volk, Walter C., assignor.)
Skiboard Corporation. (See Sterling, Frank W., assignor.)
Skidmore, Hugh W., and G. Abson, assignors to Chicago Paving Laboratory, Inc., Chicago, Ill. Method and apparatus for testing bituminous mixtures. 1,789,846; Jan. 20.
Skidmore, Walter E., East Liverpool, Ohio. Molding machine. 1,794,556; Mar. 3.
Skillman, Clarence, Swingley, Mont. Portable saw. 1,825,164; Sept. 29.
Skillman, Edward, Bartlesville, Okla., assignor to The Glidden Company, Cleveland, Ohio. Paint conditioning machine. 1,831,888; Nov. 17.
Skillman, Newton, Highland Park, assignor to O. & S. Bearing Co., Detroit, Mich. Self-aligning self-lubricating bearing and forming the same. 1,793,874; Feb. 24.
Skillman, Newton, Highland Park, assignor to O. & S. Bearing Co., Detroit, Mich. Universal pivotal spring shackle. 1,801,615; Apr. 21.
Skillman, Newton, Highland Park, assignor to O. & S. Bearing Co., Detroit, Mich. Transmission housing. 1,816,661; July 28.
Skillman, Newton, Highland Park, assignor to O. & S. Bearing Co., Detroit, Mich. Self-lubricating self-aligning bearing and forming same. 1,817,528; Aug. 4.
Skillman, Newton, assignor to O. & S. Bearing Company, Detroit, Mich. Forming a permanent connecting link. 1,817,529; Aug. 4.
Skillman, Newton, Highland Park, assignor to O. & S. Bearing Co., Detroit, Mich. Self-lubricating fabric bushing and forming the same. 1,829,574; Oct. 27.
Skillman, Newton, Highland Park, assignor to O. & S. Bearing Co., Detroit, Mich. Shaft mounting. 1,838,582; Dec. 29.
Skillman, Thomas S., L. G. Freeth, and R. J. Berry, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Dial switching tool system. 1,823,338; Sept. 15.
Skillman, Verne. (See Jones, F. C., and Skillman.)
Skinkle, William B., Coraopolis, Pa. Electric power system. 1,824,692; Sept. 22.
Skinner, Alva L., Bridgeport, Ill., assignor to The Ohio Oil Company, Findley, Ohio. Pumping power. 1,828,689; Oct. 20.
Skinner, Alva L., Bridgeport, Ill., assignor to The Ohio Oil Company, Findley, Ohio. Pumping power. 1,830,568; Nov. 3.
Skinner, Anna M., Pelham Manor, N. Y. Child's garment. 1,792,610; Feb. 17.
Skinner Automotive Device Co. (See Skinner, Ralph L., assignor.)
Skinner, Bronson C., Dunedin, Fla., assignor to Brogdex Company, Winter Haven, Fla. Spraying apparatus. 1,830,297; Nov. 3.
Skinner, Charles P. (See Jones, F., Schwab, and Skinner.)
Skinner Engine Company. (See Mueller, Herman G., assignor.)
Skinner, George H., Ealing, London, assignor to S. U. Company, Limited, London, England. Carburetor. 1,822,712; Sept. 8.
Skinner, Hervey J. (See Simons, F. L., Skinner, and Fuoss.)
Skinner, M. B., Co. (See Skinner, Mortimer B., assignor.)
Skinner, M. T., Fort Worth, Tex. Rotary disk plow. 1,795,620; Mar. 10.
Skinner, Marion C., Donora, Pa. Spelter furnace condenser. 1,837,138; Dec. 15.
Skinner, Mortimer B., Wilmette, Ill., assignor to M. B. Skinner Co., South Bend, Ind. Pipe clamp. 1,831,641; Nov. 10.
Skinner Motors, Inc. (See Skinner, Ralph L., assignor.)
Skinner Motors, Inc. (See Woodward, Arthur A., assignor.)
Skinner, Ralph L., et al. (See Skinner, Ralph L., assignor.)
Skinner, Ralph L., Detroit, Mich. Internal-combustion-engine construction. 1,800,479; Apr. 14.
Skinner, Ralph L., Detroit, Mich. Internal-combustion engine. 1,800,480; Apr. 14.
Skinner, Ralph L., Detroit, Mich. Internal-combustion engine; 1,800,481; Apr. 14.
Skinner, Ralph L., Detroit, Mich. Internal-combustion engine. 1,830,136; Nov. 3.
Skinner, Ralph L., Detroit, Mich., assignor of one-hundredth to said R. L. Skinner, and ninety-nine one-hundredths to T. H. West, Wilmette, Ill. Oil-rectifying system for internal combustion engines. 1,804,844; May 12.
Skinner, Ralph L., assignor to Skinner Automotive Device Co., Inc., Detroit, Mich. Oil appliance for sleeve-type of internal combustion engines. 1,821,991; Sept. 8.
Skinner, Ralph L., assignor to Skinner Motors, Inc., Detroit, Mich. Internal-combustion engine sealing-ring holding means. 1,830,137; Nov. 3.
Skinner & Sherman Inc. (See Simons, F. L., Skinner, and Fuoss, assignors.)
Skinner, Thomas, South Portland, Me. Coal chute. 1,789,885; Jan. 20.
Skirrow, Frederick W. (See Matheson, H. W., and Skirrow.)
Skirrow, John F., South Orange, N. J., assignor to Postal Telegraph-Cable Company, New York, N. Y. Method of and apparatus for collecting telegraph messages. 1,791,015; Feb. 3.
Skirvin, David E., Junction City, assignor of one-half to T. J. Skirvin, Eugene, Oreg. Molasses-feed mixer. 1,788,344; Jan. 6.
Skirvin, David E., assignor of one-half to T. J. Skirvin, Eugene, Oreg. Feed mixer and molassizer. 1,788,345; Jan. 6.
Skirvin, Thomas J. (See Skirvin, David E., assignor.)
Sklar, Samuel B. (See Weiner, J., and Sklar.)
Sklar, Samuel B., Minneapolis, Minn., assignor of one-half to T. S. Hammond, Chicago, Ill. Acoustic element. 1,816,618; July 28.
Sklenar, Wenzeslaw F., London, England. Reverberatory furnace. 1,823,005; Sept. 15.
Sklovsky, Max. (See Lesser, N., and Sklovsky.)
Sklovsky, Max, assignor to Deere & Company, Moline, Ill. Method of and apparatus for making castings, and handling and conditioning the molding sand therefor. 1,812,121; June 30.
Skogh, Clifford W., assignor to Magill-Weinsheimer Company, Chicago, Ill. Price marker for goods. 1,817,105; Aug. 4.
Skoglund, Reuben A., Danville, Ill. Hat holding device. 1,833,234; Nov. 24.
Skoglung, Joseph A., St. Paul, Minn. Sled. 1,834,979; Dec. 8.
Skogman, John T., Minneapolis, and C. L. Hansen, St. Louis Park, Minn. Nutcracker or analogous article. Des. 83,881; Apr. 7.
Skogmark, John, and M. F. Chase, New York, N. Y. Purification of gases. 1,821,064; Sept. 1.
Skolnik, Max, Chicago, Ill. Envelope sealing and stamping device. 1,835,817; Dec. 8.
Skonberg, Eric K. (See Meeker, J. H., and Skonberg.)
Skoog, Robert W. (See Mitchell, Manley R., and Skoog.)
Skopik, Oskar L., Berlin, Germany. Brake. 1,804,185; May 5.
Skorstad, James B. (See Adsit, Frank W., assignor.)
Skoverski, John R., Berkeley, assignor of one-half to G. H. Roberts, and one-half to J. Schor, San Francisco, Calif. Regulating cam for slicing machines. 1,830,004; Nov. 3.
Skoverski, John R., Berkeley, assignor of one-half to G. H. Roberts and one-half to J. Schor, San Francisco, Calif. Dispensing machine. 1,837,592; Dec. 22.
Skowron, Edmund A., Pittsburgh, assignor to Woodings-Verona Tool Works, Verona, Pa. Rail anchor. 1,829,913; Nov. 3.
Skowronski, Zigmond, Erie, Pa. Curtain supporting means. 1,837,632; Dec. 22.
Skrak, Joseph. (See Lamer, Samuel, assignor.)
Skraup, Siegfried, Wurzburg, and O. Hirschler, Dusseldorf-Oberkassel, assignors to Rheinische Kampfer-Fabrik G. m. b. H., Dusseldorf-Oberkassel, Rhineland, Germany. Preparing 1,8-cineol (eucalyptol). 1,811,868; June 30.
Skraup, Siegfried, Wurzburg, and O. Hirschler, assignors to Rheinische Kampfer-Fabrik Gesellschaft mit beschrankter-Haftung, Dusseldorf-Oberkassel, Germany. Production of a cineol-containing oil mixture. 1,838,456; Dec. 29.
Skriba, Rudolph A., and F. J. Littell, assignors to F. J. Littell Machine Co., Chicago, Ill. Automatic riveting press. 1,820,254; Aug. 25.
Skriba, Rudolph A., and F. J. Littell, assignors to F. J. Littell Machine Co., Chicago, Ill. Feeding rivets of special section to rivet presses. 1,829,967; Nov. 3.
Skripkin, Frank, Toronto, Ontario, assignor to A. S. Porter, Islington, Ontario, Canada. Bookholder. 1,805,191; May 12.
Skudre, Arnold M., West Newton, assignor to Submarine Signal Company, Boston, Mass. Compensator switch. 1,809,641; June 9.

Skultety, John, Los Angeles, Calif. Utility stand. 1,789,603; Jan. 20.
Skutsch, Rudolf, Neubabelsberg, Germany. Belt testing device. 1,802,676; Apr. 28.
Skutta, Theodor, Vienna, assignor to the Firm Elektra Ges. m. b. H., Bregenz, Bregenz, Austria. Electrically heated cooking appliance. 1,831,889; Nov. 17.
Skuttle, John L., Mason City, Iowa. Pipe tap. 1,791,385; Feb. 3.
Skvorecz, Rudolf, Somerville, assignor of ten per cent to L. W. Walling, Hazlet, N. J. Shaving brush. 1,815,119; July 21.
Skvortzoff, Alexander A., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bushing structure. 1,807,880; June 2.
Skyhawk, Forrest. (See Luedtke, Charles E., assignor.)
Sky Specialties Corporation. (See Heywood, Charles F., assignor.)
Slabaugh, William H. (See Wilson, G. F., and Slabaugh.)
Slaby, Joseph E. (See Cornell, C. P., and Slaby.)
Slachter, James H., Mineral, assignor of one-half to D. L. Jarrett, Buckner, Va. Advertising device. 1,798,358; Mar. 31.
Slack, Charles W., Waterloo, Quebec, Canada. Adjustable separator for packing flowers and the like. 1,833,441; Nov. 24.
Slack, Delbert J., Los Angeles, Calif. Combination cigarette holder and ash tray. Des. 85,602; Nov. 17.
Slack, Fred F. (See Gorsuch, E. H., and Slack.)
Slack, Leon W., Trenton, N. J., assignor, by mesne assignments, to Razor Blade Tile, Incorporated. Razor blade discard. 1,808,580; June 2.
Sladdin, Arnold G., Brighouse, England. Pad for garments. 1,788,126; Jan. 6.
Slade, Alton P. (See McMullen, F. E., and Slade.)
Slade, Alton P., assignor to Gleason Works, Rochester, N. Y. Method and machine for finishing gears. 1,796,484; Mar. 17.
Slade, Arthur J., New York, N. Y. Vehicle body. 1,814,640; July 14.
Slade, E. V., et al. (See Johnson, Dayton R., assignor.)
Slade, Edward, New York, N. Y. Manufacture of yarns. 1,798,359; Mar. 31.
Slade, Edward, New York, N. Y. Brake lining and making the same. 1,819,344; Aug. 18.
Slade, Edward, New York, assignor to Marshall Asbestos Corporation, Troy, N. Y. Shock eliminator. 1,828,549; Oct. 20.
Slade, Harold E., Glen Ridge, and J. Gehring, Jersey City, assignors to Beaver Machine & Tool Co., Inc., Newark, N. J. Electric lamp holder or socket. 1,806,314; May 19.
Slade, Harold E., Glen Ridge, and John Gehring, Jersey City, assignors to Beaver Machine & Tool Co., Inc., Newark, N. J. Electric socket. 1,815,013; July 14.
Sladky, Alexander C. (See Sladky, Joseph and A. C.)
Sladky, Alexander C., assignor to National Enameling and Stamping Company, Inc., Milwaukee, Wis. Receptacle attachment. 1,806,184; May 19.
Sladky, Joseph and A. C., assignors to National Enameling & Stamping Company, Inc., Milwaukee, Wis. Fuel mixer. 1,791,150; Feb. 3.
Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Humidifier for refrigerators. 1,800,846; Apr. 14.
Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Valve. 1,802,093; Apr. 21.
Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Cooling unit for refrigerators. 1,802,988; Apr. 28.
Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Vaporizor for refrigerator systems. 1,805,152; May 12.
Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Cooling unit for refrigerators. 1,824,575; Sept. 22.
Slagel Franklin G., Buffalo, N. Y., assignor, by mesne assignments, to Frigidaire Corporation. Cooling tank for domestic refrigerator systems. 1,829,375; Oct. 27.
Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Vaporizer for refrigerating apparatus. 1,832,253; Nov. 17.
Slagh, Harold R. (See Britton, E. C., and Slagh.)
Slagle, Everett R., Sayre, Pa., assignor to Standard Vacuum Brake Company, Camden, N. J. Mechanical brake for motor vehicles. 1,837,139; Dec. 15.
Slaker, Joseph H., assignor to Western Wheeled Scraper Company, Aurora, Ill. Rotary earth scraper. 1,796,309; Mar. 17.
Slatcher, Alfred G., Cleveland, Ohio. Tool retainer. 1,817,591; Aug. 4.
Slatcher, Alfred G., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Blowing device for rock drills. 1,831,370; Nov. 10.
Slate Construction Company. (See Slate, McLennen C., assignor.)
Slate, McLennen C., assignor to Slate Construction Company, Albany, Oreg. Apparatus for controlling scrapers. 1,791,485; Feb. 3.
Slate, Thomas B. (See Josephson, W. S., and Slade.)
Slate, Thomas B., assignor, by mesne assignments, to American Patents Development Corporation, New York, N. Y. Refrigerating apparatus and method. 1,796,908; Mar. 17.
Slate, Thomas B., Glendale, Calif., assignor, by mesne assignments, to American Patents Development Corporation, New York, N. Y. Refrigerating apparatus and method. 1,796,909; Mar. 17.
Slate, Thomas B., Glendale, Calif., assignor, by mesne assignments, to American Patents Development Corporation, New York, N. Y. Refrigerating apparatus and method. 1,796,910; Mar. 17.
Slater, Eric, Heaton, Bolton, assignor to George Taylor (Brass Foundries) Limited, Bolton, England. Automatically removing water from boats. 1,803,567; May 5.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Pneumatic tool. 1,787,960; Jan. 6.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-line oiler. 1,788,033; Jan. 6.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Locking device for throttle valves. 1,800,231; Apr. 14.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,807,799; June 2.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Pneumatic tool. 1,808,481; June 2.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve mechanism for rock drills. 1,810,988; June 23.
Slater, Henry B., Riverside, assignor, by mesne assignments, to Food Machinery Corporation, San Jose, Calif. Treating fresh fruit for retarding decay from blue and green mold. 1,813,127; July 7.
Slater, N., Company. (See Elliott, W. N., and Milne, assignors.)
Slater, Nelson, assignor to S. Slater & Sons, Inc., Webster, Mass. Making pile fabrics. 1,810,328; June 16.
Slater, Robert L. (See Hotchner, F., and Slater.)
Slater, S., & Sons, Inc. (See Slater, Nelson, assignor.)
Slaton, Ira T. (See Koch, D. H., and Slaton.)
Slattengren, Henry A., Berwyn, Ill. Power generator. 1,814,192; July 14.
Slatter, Albert J., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Method and apparatus for building tires. 1,793,257; Feb. 17.
Slattery, James, et al. (See Slattery, John I., assignor.)
Slattery, John I., assignor of one-fourth to W. F. Slattery, one-fourth to J. Slattery, and one-fourth to L. M. W. Judell, Jamestown, Australia. Implement coupling for tractors. 1,802,285; Apr. 21.
Slattery, John P., New York, N. Y. Wrench. 1,838,963; Dec. 29.
Slattery, William F., et al. (See Slattery, John I., assignor.)
Slauter, Charles H., Columbus, Ohio. Gas burner. 1,801,459; Apr. 21.
Slawski, Stephen F., Culver City, Calif. Folding ironing board. Re18,223; Oct. 6.
Slawson, Marion G., Girard, Kans. Plant marker. 1,822,787; Sept. 8.
Slayback, Alonzo W., St. Louis, Mo. Inducting and discharging device for fluids and the like. 1,791,909; Feb. 10.
Slaymaker Lock Company. (See Miller, George M., assignor.)
Slaymaker Lock Company, The. (See Sabo, Julius G., assignor.)
Slayton, Ralph E., Brooklyn, N. Y. Fowl plucking machine. 1,822,243; Sept. 8.
Slazes, Frank A., Lake Villa, Ill. Wrench. 1,795,150; Mar. 3.
Slee, Arthur L., San Francisco, Calif. Folding bed davenport. 1,815,120; July 21.
Sleeper, Charles W., and W. B. Meglitz, Lancaster, and Howard Parker, assignors to Brown Company, Berlin, N. H. Valve. 1,819,043; Aug. 18.
Sleeper, Harvey P., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature indicating device. 1,824,842; Sept. 29.
Sleeper, Milton B., assignor to Sleeper Research Laboratories, Inc., New York, N. Y. Apparatus for distant electrical control. 1,800,760; Apr. 14.
Sleeper, Ned M., et al. (See McFadyen, John C., assignor.)
Sleeper Research Laboratories, Inc. (See Sleeper, Milton B., assignor.)
Sleeth, Glenn D. (See Oster, H. W., and Sleeth.)
Slemmer, Harold. (See Shainline, Joseph B., assignor.)
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Magnetic radio receiver. 1,790,171; Jan. 27.
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrolytic condenser. 1,795,000; Mar. 10.
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric power translating device. 1,802,677; Apr. 28.
Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Inductively-heated cathode-triode tube. 1,799,992; Apr. 7.
Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,819,207; Aug. 18.

Slepian, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric apparatus. 1,810,033; June 16.
Slepian, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flame splitter. 1,828,300; Oct. 20.
Slepian, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,836,994; Dec. 15.
Slesinger, Stephen, New York, N. Y. Toy animal. Des. 83,929; Apr. 14.
Slesinger, Stephen, New York, N. Y. Toy animal. Des. 83,930; Apr. 14.
Slesinger, Stephen, Inc. (See Woolnough, Albert E., assignor.)
Slezak, Vincent F., assignor to International Ticket Scale Corporation, New York, N. Y. Coin-controlled scale. Des. 84,714; July 21.
Slichter, Louis B., Madison, Wis. Apparatus for exploring for ore. 1,826,961. Oct. 13.
Slick, Edwin E., Pittsburgh, Pa. Dispensing apparatus. 1,820,951; Sept. 1.
Slick, Edwin E., Pittsburgh, Pa. Apparatus for pressing glass articles. 1,831,548; Nov. 10.
Slidell, Kemper, Madison, Wis., assignor, by mesne assignments, to American Face Brick Research Corporation. Extruding a bloated clay product. 1,818,101; Aug. 11.
Slidell, Kemper, and E. M. Wyatt, Madison, Wis., assignors, by mesne assignments, to American Face Brick Research Corporation. Building wall of cellular blocks. 1,817,022; Aug. 4.
Sligh, Tom S., jr. (See Paton, C. R., and Sligh.)
Slight, George W., Brooklyn, N. Y. Denture manufacture. 1,798,279; Mar. 31.
Slinde, Per, Kjeller, Norway. Device for releasing shells in aircraft. 1,812,759; June 30.
Slingerland, Charles L., Niagara Falls, Ontario, Canada. Wire tying device. 1,801,646; Apr. 21.
Slingluff, Donald, et al., trustees. (See Farr, F. G., and Didinger, assignors.)
Slipper City Wood Heel Company. (See Kinney, Norton W., assignor.)
Sloan Brothers. (See McGuire, Louis, assignor.)
Sloan, Edward C., Geneva, assignor to Elgin National Watch Company, Chicago, Ill. Display box for watches. 1,817,852; Aug. 4.
Sloan, Elgan S., Shippensville, Pa. Well plunger packing. 1,827,880; Oct. 20.
Sloan, Harry E., Pitman, N. J. Locking device for fudge mandrels. 1,800,702; Apr. 14.
Sloan, Harry E., Hartford, and G. A. Highberg, West Hartford, assignors to The Cushman Chuck Company, Hartford, Conn. Chuck. 1,837,174; Dec. 15.
Sloan, Theodore H., Charleroi, Pa., assignor to Macbeth-Evans Glass Company. Pressing glassware. 1,812,564; June 30.
Sloan, Theodore H., Charleroi, Pa., assignor to Macbeth-Evans Glass Company. Free-pressing glassware having irregular edges. 1,812,565; June 30.
Sloan Valve Company. (See Krause, Carl H., assignor.)
Sloan Valve Company. (See Moseley, Alexander W., assignor.)
Sloan, William E., Chicago, Ill. Valve. 1,821,241; Sept. 1.
Sloan, William E., Chicago, Ill. Flush valve. 1,830,005; Nov. 3.
Sloan, William E., River Forest, Ill. Plumbing fixture. 1,838,198; Dec. 29.
Sloane, Scott. (See Morrill, B. F., Cookson, and Sloane.)
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Cable-reel locomotive. 1,787,597; Jan. 6.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Conduit terminal. 1,808,581; June 2.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Controller. 1,817,947; Aug. 11.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Conduit terminal. 1,829,764; Nov. 3.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Propulsion means for power shovels and the like. 1,834,538; Dec. 1.
Slocomb, F. F., & Co. Inc. (See Foster, Albert F., assignor.)
Slocum, Benjamin A., Binghamton, and J. F. Polhemus, Johnson City, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Photographic package. 1,799,184; Apr. 7.
Slocum, Burton H., J. A. Bouslough, and L. F. Burnham, Pittsburgh, Pa., assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Trimmer mechanism. 1,795,901; Mar. 10.
Slocum, Charles L., Plainfield, N. J. Construction of fireproof buildings. 1,838,583; Dec. 29.
Slocum, Joseph H., Long Beach, Calif. Gas lift pump. 1,791,513; Feb. 10.
Slocumb, Lloyd Q., Ferguson, Mo. Radio receiving apparatus. 1,794,739; Mar. 3.
Slocumb, Lloyd Q., Ferguson, Mo. Radio receiving apparatus. 1,833,235; Nov. 24.
Sloman, Cheri M., assignor to Morgan and Wright, Detroit, Mich. Tire. Des. 85,063; Sept. 8.
Sloss, Aaron M. (See Rempen, Walter, assignor.)
Sloss, Stanley E., Louisville, Ky. Mantel. 1,830,964; Nov. 10.
Sloteman, Donald K., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire. Des. 85,308; Oct. 6.
Slotsky, David, Cleveland, Ohio. Advertising device. 1,787,705; Jan. 6.
Slover, Nathan M., Breckenridge, Tex. Grab tool. 1,792,874; Feb. 17.
Slovinski, Theodore, Grand Rapids, Mich. Hose coupling. 1,816,058; July 28.
Sluder, John R., assignor of one-half to R. P. Bundy, Zionsville, Ind. Front wheel drive structure. 1,834,354; Dec. 1.
Slugg, Clarence H., assignor to United States Metals Refining Company, Carteret, N. J. Method and machine for stripping lead from cables. 1,791,106; Feb. 3.
Slupinski, Gustav, assignor of one-half to The Company Lüderswerk G. m. b. H., Bremen, Germany. Tester for the sparking plugs of motor cars. 1,796,730; Mar. 17.
Slupkowski, Leo J. (See Gollnick, P. A., Broderick, and Slupkowski.)
Slusher, Frank, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Wrapping method and apparatus. 1,837,840; Dec. 22.
Slusser, George B., Vaughnsville, Ohio. Coin controlled mechanism. 1,837,684; Dec. 22.
Slutzker, Hyman, New York, N. Y. Cap. 1,789,604; Jan. 20.
Sly, Thomas H., Dunmore, Scranton, Pa. Sand scoop. 1,802,223; Apr. 21.
Sly, W. W., Manufacturing Company, The. (See Boesger, George A., assignor.)
Smagola, John, Cleveland, Ohio. Condiment holder. 1,835,247; Dec. 8.
Smaill, Albert E., Ottawa, Ontario, Canada. Extracting metal values from ores. 1,789,932; Jan. 20.
Smale, John A., Brentwood, England, assignor to Radio Corporation of America. Electrical frequency stabilizer or time control device. 1,819,487; Aug. 18.
Smale, John A., Brentwood, England, assignor to Radio Corporation of America. Telegraph instrument. 1,834,076; Dec. 1.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Coupler-operating-rod bracket. 1,788,549; Jan. 13.
Small, Arthur E., Chicago, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Car-roof construction. 1,792,253; Feb. 10.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Railway car drop door. 1,809,643; June 9.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Hopper door for railway hopper cars. 1,809,644; June 9.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Railway car drop door. 1,809,645; June 9.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Drop door for railway cars. 1,813,547; July 7.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Railway car hopper door. 1,813,548; July 7.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Device for operating car couplers. 1,813,549; July 7.
Small, Arthur E., assignor to Union Metal Products, Company, Chicago, Ill. Operating device for car couplers. 1,826,902; Oct. 13.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Corrugated wall structure. 1,832,144; Nov. 17.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Locking guide for swingable doors. 1,837,295; Dec. 22.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Car construction. 1,838,006; Dec. 22.
Small, Arthur E., Oak Park, Ill., assignor, by mesne assignments, to P. H. Murphy Company, New Kensington, Pa. Railway-car-roof structure. 1,792,252; Feb. 10.
Small, Bernard F. (See Watling, W. P., and Small.)
Small, C. T., Manufacturing Company. (See Small, Chesley T., assignor.)
Small, Chesley T., St. Louis, Mo. Cap-feeding device. 1,796,167; Mar. 10.
Small, Chesley T., St. Louis, Mo. Variable friction gear. 1,802,484; Apr. 28.
Small, Chesley T., assignor to C. T. Small Manufacturing Company, St. Louis, Mo. Filling machine. 1,823,174; Sept. 15.
Small, David G. (See Douglas, Gordon C., assignor.)
Small, Edward A., assignor to Eeja Auto Accessories Company, Franksville, Wis. Windshield heater. 1,813,550; July 7.
Small, Edward F., Waltham, Mass. Reversing seat base. 1,826,532; Oct. 6.
Small, Engine W., et al., trustees. (See Bonsall, Seymour W., assignor.)
Small, James W., Brooklyn, N. Y., and R. Febles, Passaic, N. J. Apparatus for casing cured leaf tobacco. 1,815,805; July 21.
Small, John D. (See Jones, C. L., and Small.)

Small, Joseph L., Winnisquam, N. H. Fire escape ladder 1,816,702; July 28.
Small, Norman M., assignor to Frick Company, Waynesboro, Pa. Valve. 1,804,065; May 5.
Small, Norman M., assignor to Frick Company, Waynesboro, Pa. Valved piston. 1,817,853; Aug. 4.
Small, Norman M., and L. Buehler, jr., assignors to Frick Company, Waynesboro, Pa. Can grid. 1,817,715; Aug. 4.
Small, Thomas W., Huntington, assignor, by mesne assignments, to The Capehart Corporation, Fort Wayne, Ind. Automatic graphophone. 1,792,553; Feb. 17.
Small, William B., Racine, Wis. Wrench. 1,832,663; Nov. 17.
Smalle, Daniel M. (See Floyd, C., and Smalle.)
Smalle, Daniel M., assignor of six-tenths to Dr. P. Phillips Company, Orlando, Fla. Preserving orange juice. 1,838,517; Dec. 29.
Smalley, Burton M., assignor to Joslyn Mfg & Supply Co., Chicago, Ill. Secondary rack and making the same. Re17,931; Jan. 13.
Smalley, Edwin L., Whitefish Bay, assignor to Hevi Duty Electric Company, Milwaukee, Wis. Rotary hearth furnace. 1,806,027; May 19.
Smalley, Edwin L., Whitefish Bay, assignor to Hevi Duty Electric Company, Milwaukee, Wis. Furnace or heat treatment chamber cooling means. 1,811,158; June 23.
Smalley, Edwin L., Whitefish Bay, assignor to Hevi Duty Electric Company, Milwaukee, Wis. Furnace or heat treatment chamber cooling means. 1,811,159; June 23.
Smalley, Edwin L., Whitefish Bay, assignor to Hevi Duty Electric Company, Milwaukee, Wis. Furnace or heat treatment chamber cooling means. 1,811,979; June 30.
Smalley, Edwin L., Whitefish Bay, assignor to Hevi Duty Electric Company, Milwaukee, Wis. Electric heater. 1,823,067; Sept. 15.
Smalley, Edwin L., Whitefish Bay, assignor to Hevi Duty Electric Company, Milwaukee, Wis. Magnetic control conveying furnace. 1,837,497; Dec. 22.
Smalley, Herbert, Lincoln, and G. Haworth, Marple Bridge, assignors to H. & G. Berts, Limited, Lincoln, England. Manufacturer of rugs, carpets, or the like pile fabrics. 1,788,340; Jan. 6.
Smalley, Robert C., Arlington, N. J., assignor to Claude Neon Lights Inc., New York, N. Y. Flat-side vacuum-tube light. 1,794,343; Feb. 24.
Smalley, Robert C., Arlington, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Duplex vacuum tube lights. 1,806,507; May 19.
Smalley, Robert C., Arlington, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Vacuum tube lamp support. 1,820,202; Aug. 25.
Smalley, Robert C., Arlington, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Adjustable support for vacuum tube lights. 1,820,837; Aug. 25.
Smalley, Robert C., Arlington, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Support for vacuum tube lamps. 1,820,838; Aug. 25.
Smalley, Robert C., Arlington, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Tube support. 1,820,839; Aug. 25.
Smalley, Robert C., Arlington, N. J., assignor to Claude Neon Lights, Inc., New York, N. Y. Method and apparatus for introducing foreign substances into vacuum tube lights. 1,826,383; Oct. 6.
Smalley, Robert C., Arlington, N. J., and W. E. Moorefield, Flushing, assignors to Claude Neon Lights, Inc., New York, N. Y. Sign. 1,826,388; Oct. 6.
Smallwood, James T., Chattanooga, Tenn. Automobile lamp. 1,796,485; Mar. 17.
Smart, David A., Chicago, Ill. Des. Des. 83,356; Feb. 17.
Smart, Morton, London, England. Electromedical apparatus. 1,827,045; Oct. 13.
Smart Set Shops. (See Wolf, Jacob R., assignor.)
Smeak, William W., Winston-Salem, N. C. Hydraulic jack. 1,832,664; Nov. 17.
Smeby, Justin G., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Valve. 1,807,446; May 26.
Smede, Lloyd. (See Shand, E. B., and Smede.)
Smedley, Victor C. (See Roessner, W. L., Wheeler, and Smedley.)
Smelik, Frank, and L. J. Krudwig, St. Louis, Mo. Split bearing. 1,834,501; Dec. 1.
Smelker, Le Roy, assignor, to Frigidaire Corporation, Dayton, Ohio. Collapsible stand. 1,791,514; Feb. 10.
Smellie, Donald G. (See Hampson, E. A., and Smellie.)
Smellie, Donald G., Canton, Ohio, assignor to The Hoover Company. Dusting tool. 1,803,921; May 5.
Smellie, Donald G., Maywood, Ill., assignor to The Hoover Company. Refrigeration. 1,818,587; Aug. 11.
Smellie, Donald G., M. F. Lowry, and B. C. Becker, Canton, Ohio, assignors to The Hoover Company. Electric motor. 1,793,258; Feb. 17.
Smellie, Donald G., Maywood, Ill., H. B. White and M. E. Nulsen, Canton, Ohio, assignors to The Hoover Company. Suction sweeper. 1,829,548; Oct. 27.
Smellow, Morris, Annapolis, Md. Baseball game. 1,792,448; Feb. 10.
Smelser, Chase D., South Bend, Ind. Garage-door opener. 1,795,452; Mar. 10.
Smelser, David A., Bristol, Va. Steam trap. 1,807,882; June 2.
Smeltzer, Robert M. (See Booser, E. F., assignor.)
Smenner, Harry F., Fort Wayne, Ind., assignor to The Wayne Home Equipment Company, Baltimore, Md. Combustion tube for oil burners. 1,806,921; May 26.
Smetak, Frank, Astoria, N. Y. Toy. 1,793,645; Feb. 24.
Smethers, James A., and W. Elliott, assignors to Dempster Mill Manufacturing Company, Beatrice, Nebr. Agricultural implement. 1,798,958; Mar. 31.
Smeuninx, Bernard L., Springfield, Mass., assignor to Baush Machine Tool Company. Tap holder. 1,793,259; Feb. 17.
Smick, Harry, Yakima, Wash. Air cleaner and filter. 1,833,622; Nov. 24.
Smido, Anna, Roseville, Mich. Dress fastener. 1,814,341; July 14.
Smidth, F. L., & Co. (See Fasting, Johan S., assignor.)
Smidth, F. L., & Co. (See Lindhard, Povl T., assignor.)
Smidth, F. L. & Co. (See Petersen, Louis S., assignor.)
Smidth, F. L., & Co. (See Sahmel, Viggo, assignor.)
Smidth, F. L. & Co. (See Treschow, Michael, assignor.)
Smidth, F. L., & Co. (See Vogel-Jorgensen, Mikael, assignor.)
Smiley, George T., and W. R. Obse, Houston, Tex. Refrigerating unit. 1,788,599; Jan. 13.
Smiley, Harry D., assignor of one-half to F. W. Campbell, Albia, Iowa. Newspaper clamp. 1,817,424; Aug. 4.
Smiley, John C., Uniontown, Pa. Rug. Des. 84,615; July 7.
Smiley, Orvall, Indianapolis, Ind. Bottle. Des. 85,263; Sept. 29.
Smiley, Orvall, Indianapolis, Ind. Treating solidified carbon dioxide. 1,810,989; June 23.
Smiley, Samuel, jr., assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Metal cabinet. 1,805,019; May 12.
Smilie, Robert P., Oakland, Calif. Portable hopper. 1,836,046; Dec. 15.
Smillie, C. M., & Company. (See Arndt, William E., assignor.)
Smiroldo, Antonio, Akron, Ohio. Knife guard. 1,813,865; July 7.
Smith, A. L., Iron Works, The. (See Johnson, Chester W., assignor.)
Smith, A. O., Corporation. (See Andren, Birger T., assignor.)
Smith, A. O., Corporation. (See Andrus, Orrin E., assignor.)
Smith, A. O., Corporation. (See Andrus, O. E., and Matush, assignors.)
Smith, A. O., Corporation. (See Bormann, H. R., and Steinhart, assignors.)
Smith, A. O., Corporation. (See Burnish, Howard J., assignor.)
Smith, A. O., Corporation. (See Burnish, H. J., and Smith, assignors.)
Smith, A. O., Corporation. (See Crawford, W. E., and Kurtze, assignors.)
Smith, A. O., Corporation. (See Furrer, Rudolph, assignor.)
Smith, A. O., Corporation. (See Jasper, Thomas M., assignor.)
Smith, A. O., Corporation. (See Miller, Henry, assignor.)
Smith, A. O., Corporation. (See Palm, Frederick, assignor.)
Smith, A. O., Corporation. (See Richter, Walter E., assignor.)
Smith, A. O., Corporation. (See Richter, Walther, assignor.)
Smith, A. O., Corporation. (See Schmitz, Henry A., jr., assignor.)
Smith, A. O., Corporation. (See Smith, Charles S., assignor.)
Smith, A. O., Corporation. (See Smith, George M., assignor.)
Smith, A. O., Corporation. (See Stresau, Richard, assignor.)
Smith, A. O., Corporation. (See Strobel, Karl, assignor.)
Smith, A. O., Corporation. (See Wetmore, Charles P., assignor.)
Smith, A. O., Corporation. (See Whitman, Fred H., assignor.)
Smith, Abram E., assignor to Union Tank Car Company, Chicago, Ill. Safety valve. 1,836,343; Dec. 15.
Smith, Aden E., assignor to The D. A. Ebinger Sanitary Mfg. Co., Columbus, Ohio. Liquid refrigerating and dispensing apparatus. 1,811,215; June 23.
Smith, Adon L., Rocky River, assignor to The Guardian Safe and Manufacturing Company, Alliance, Ohio. Safe construction. 1,812,991; July 7.
Smith, Albert E., Fredonia, assignor of one-fifth to J. C. Brennan, Iroquois, N. Y. Nut lock. 1,794,123; Feb. 24.
Smith, Albert H., Edgbaston, England. Cinematograph film. 1,806,122; May 19.
Smith, Albert K., West Orange, N. J., assignor to The Hills Brothers Company, Inc. Pitting fruit. 1,794,479; Mar. 3.
Smith, Albert K., West Orange, N. J., assignor to The Hills Brothers Company, Inc. Roasting machine. 1,799,571; Apr. 7.
Smith, Albert K., West Orange, N. J., assignor to The Hills Brothers Company, Inc. Fruit pitting apparatus. 1,822,381; Sept. 8.
Smith, Albert K., West Orange, N. J., assignor to The Hills Brothers Company, Inc. Date pitting machine. 1,822,382; Sept. 8.

Smith, Albert K., West Orange, N. J., assignor to The Hills Brothers Company, Inc. Date pitting machine. 1,823,476; Sept. 15.
Smith, Albert K., Shaker Heights Village, and W. R. Veazey, Cleveland Heights, Ohio, assignors to The Dow Chemical Company, Midland, Mich. Dehydration of magnesium chloride. 1,835,818; Dec. 8.
Smith, Albert M. (See Wurster, O. H., and Smith.)
Smith, Albert T. (See Kellogg, E. E., and Smith.)
Smith, Albert W., and R. B. Jones, Youngstown, Ohio. Heating furnace. 1,790,172; Jan. 27.
Smith, Alexander, Pittsburgh, Pa., and J. Schmidt, New York, N. Y. Aeroplane. 1,808,688; June 2.
Smith, Alexander, & Sons Carpet Company. (See Barrett, Charles E., assignor.)
Smith, Alexander & Sons Carpet Company. (See Thomas, James, assignor.)
Smith, Alfred J., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Attaching snap fastener members to panels. 1,838,066; Dec. 22.
Smith, Algernon L., Birmingham, Ala., assignor to Continental Gin Company. Double action hull extractor. 1,823,477; Sept. 15.
Smith, Algy J., assignor to Hartford-Empire Company, Hartford, Conn. Combined transfer, take out, and blow-head support for glass shaping apparatus. 1,833,623; Nov. 24.
Smith, Allen I., Wheeler, Tex. Windshield heater. 1,802,286; Apr. 21.
Smith, Allen, Millbury, assignor to Whitin Machine Works, Whitinsville, Mass. Bunch building mechanism. 1,817,106; Aug. 4.
Smith, Allen, Millbury, assignor to Whitin Machine Works, Whitinsville, Mass. Bunch building mechanism for spinning frames. 1,830,339; Nov. 3.
Smith, Allen, Millbury, assignor to Whitten Machine Works, Whitinsville, Mass. Bunch building mechanism for spinning frames. 1,832,745; Nov. 17.
Smith, Alva T., assignor to National Enameling & Stamping Co. Inc., Milwaukee, Wis. Electric stove. 1,798,763; Mar. 31.
Smith, Alvin L., assignor to Coldwell Lawn Mower Company, Newburgh, N. Y. Lawn mower. 1,802,358; Apr. 28.
Smith, Anson B., Los Angeles, Calif. Method of and apparatus for preparing models for artificial dentures. 1,830,248; Nov. 3.
Smith, Anthony N., assignor to The Girard Model Works Inc., Girard, Pa. Registering bank. 1,816,347; July 28.
Smith, Anthony R., Elyriak, assignor to Steel and Tubes, Inc., Cleveland, Ohio. Automobile lock. 1,812,453; June 30.
Smith, Arthur C., assignor of one-half to L. T. Everett, Alleyton, Tex. Pressure switch. 1,815,806; July 21.
Smith, Arthur E., Los Angeles, Calif. Hypodermic syringe. 1,817,652; Aug. 4.
Smith, Arthur E., Los Angeles, Calif. Container closure. 1,825,553; Sept. 29.
Smith, Arthur E., Los Angeles, Calif. Closure for containers. 1,826,096; Oct. 6.
Smith, Arthur E., Los Angeles, Calif. Syringe applicator. 1,833,598; Nov. 24.
Smith, Arthur E., assignor to Smith & Gregory of N. Y., Inc., New York, N. Y. Cowl band. 1,794,990; Mar. 3.
Smith, Arthur E., assignor of one-half to H. J. Koski, Selma, Ala. Bevel square. 1,825,759; Oct. 6.
Smith, Arthur G., Long Beach, Calif. Cabinet-lid construction. 1,799,652; Apr. 7.
Smith, Arthur J., Kansas City, Mo., assignor to Smith Engineering Company. Bubble tray. 1,811,247; June 23.
Smith, Arthur J., assignor to Smith Engineering Company, Kansas City, Mo. Pipe coupling. 1,812,835; June 30.
Smith, Arthur M., assignor to Marshall & Stearns Company, San Francisco, Calif. Portable folding bed. 1,791,540; Feb. 10.
Smith, Arthur W., Bemidji, Minn. Gravity feed powdered soap dispenser. 1,804,235; May 5.
Smith, Arthur W., Salem, N. H. Cementing machine. 1,838,118; Dec. 29.
Smith, August J., Mount Pleasant, Mich., assignor to American Enameled Products Company, Chicago, Ill. Combination soap dish and handrail. Des. 85,122; Sept. 15.
Smith, Augustus T., St. Joseph, Mo. Holder and stand. 1,814,342; July 14.
Smith, Aurile T., assignor to Burroughs Adding Machine Company, Detroit, Mich. Testing device for centrifugal switches. 1,805,192; May 12.
Smith, Aurile T., assignor to Burroughs Adding Machine Company, Detroit, Mich. Coil winding machine. 1,828,822; Oct. 27.
Smith, Averill. (See Deibner, R. L., and Smith.)
Smith, Benjamin H., Niles, Mich. Folding chair. 1,799,029; Mar. 31.
Smith, Benjamin H., assignor to Michigan Wire Goods Company, Niles, Mich. Handle for forks and like implements. 1,809,254; June 9.
Smith, Bennie H., assignor of one-half to A. B. Murphy, Manatee, Fla. Turpentine worker's tool. 1,818,964; Aug. 11.
Smith, Blanchard D., New Orleans, La. Miniature golf course. 1,822,244; Sept. 8.
Smith, Boyd H. (See Love, F. B., and Smith.)
Smith, Boyd H., assignor to The Autocall Company, Shelby, Ohio. Call and dismissal apparatus. 1,823,221; Sept. 15.
Smith, Boyd H., assignor to The Autocall Company, Shelby, Ohio. Recorder. 1,830,569; Nov. 3.
Smith, Burgess W., assignor to The Todd Company, Inc., Rochester, N. Y. Safety paper. 1,817,171; Aug. 4.
Smith, Burton, Grants Pass, Oreg. Joint connection. 1,814,415; July 14.
Smith, Byron L. (See Tyner, H. M., and Smith.)
Smith, Byron R., Hobart, Ind. Concrete-finishing float. 1,797,484; Mar. 24.
Smith, C. P. (See Vroman, John C., assignor.)
Smith, Caldwell A., Noroton Heights, Conn. Key and license holder. 1,821,585; Sept. 1.
Smith, Carl G. (See Morss, E. L., Buckwell, and Smith.)
Smith, Carlos A., sr., Bellaire, Ohio. Sheath for garment hangers. 1,797,701; Mar. 24.
Smith, Cary M. (See Cox, H. M., and Smith.)
Smith, Charles, St. Louis, Mo. Hydraulic braking system. 1,831,081; Nov. 10.
Smith, Charles A. (See Moe, I., and Smith.)
Smith, Charles A., Akron, Ohio. Decoy apparatus for dog races. 1,835,346; Dec. 8.
Smith, Charles D. (See Smith, Edward F. and C. D.)
Smith, Charles E., Three Rivers, Tex., assignor to Hinderliter Tool Company. Pipe coupling. Re18,119; July 7.
Smith, Charles E., Oroville, Calif. Aircraft. 1,838,457; Dec. 29.
Smith, Charles F. (See Twyman, F., and Smith.)
Smith, Charles F., assignor to Landers, Frary & Clark, New Britain, Conn. Percolator. Des. 84,962; Aug. 25.
Smith, Charles F., Brooklyn, assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Delivery mechanism for paper tubes. 1,789,479; Jan. 20.
Smith, Charles F., Brooklyn, assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Machine for making spirally-wound tubes. 1,798,909; Mar. 31.
Smith, Charles F., Brooklyn, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Paper cup machine. 1,818,279; Aug. 11.
Smith, Charles F., Brooklyn, assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Paper cup machine. 1,833,377; Nov. 24.
Smith, Charles F., Brooklyn, assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Machine for making spirally-wound tubes. 1,833,378; Nov. 24.
Smith, Charles F., Quincy, and W. F. Page, assignors to Brake Synchrometer Co., Boston, Mass. Brake testing apparatus. 1,830,340; Nov. 3.
Smith, Charles G., Medford, assignor, by mesne assignments, to Cambridge Laboratories, Inc., Cambridge, Mass. Gas pump. 1,806,369; May 19.
Smith, Charles G., Medford, assignor, by mesne assignments, to Cambridge Laboratories, Inc., Cambridge, Mass. Gas pump. 1,815,121; July 21.
Smith, Charles G., Medford, assignor to Raytheon Inc., Cambridge, Mass. Gaseous conduction device. 1,816,619; July 28.
Smith, Charles G., Medford, assignor, by mesne assignments, to Raytheon Inc., Cambridge, Mass. Electrical apparatus. 1,838,458; Dec. 29.
Smith, Charles J., Chicago, Ill. Baby-bottle holder. 1,790,490; Jan. 27.
Smith, Charles O., assignor to The Sebring Pottery Company, Sebring, Ohio. Plate or similar article. Des. 85,123; Sept. 15.
Smith, Charles O., assignor of one-half to The Sebring Pottery Company and one-half to The Limoges China Company, Sebring, Ohio. Edge decoration. 1,813,551; July 7.
Smith, Charles S. (See Burnish, H. J., and Smith.)
Smith, Charles S., assignor to A. O. Smith Corporation, Milwaukee, Wis. Cushioned spring hanger connection for automobile frames. 1,834,502; Dec. 1.
Smith, Charles T., Cleveland Heights, Ohio. Hose coupling. 1,810,735; June 16.
Smith, Charles W., Green Island, N. Y. Eraser attachment for lead pencils. 1,802,447; Apr. 28.
Smith, Chris E., assignor to The Murray Corporation of America, Detroit, Mich. Vehicle body. 1,791,643; Feb. 10.
Smith, Christine, Des Moines, Iowa. Doll. Des. 85,124; Sept. 15.
Smith, Clarence E., assignor to H. D. Colman, Rockford, Ill. Portable electric fan. Des. 84,379; June 9.
Smith, Clarence E., assignor to H. D. Colman, Rockford, Ill. Portable electric fan. Des. 84,380; June 9.
Smith, Clarence E., assignor to H. D. Colman, Rockford, Ill. Portable electric fan. Des. 84,381; June 9.
Smith, Clarence E., assignor to H. D. Colman, Rockford, Ill. Portable electric fan. Des. 84,382; June 9.
Smith, Clarence E., and J. F. Pagel, jr., Detroit, Mich. Light reflecting window. 1,827,624; Oct. 13.
Smith, Claude M., Modesto, Calif. Rotary valve for internal-combustion engines. 1,787,457; Jan. 6.
Smith, Clement, Topeka, Kans. Automatic egg weighing and sorting machine. 1,824,693; Sept. 22.
Smith, Clyde J., assignor to Morgan & Wright, Detroit, Mich. Valve mechanism. 1,826,097; Oct. 6.

Smith, Clyde J., G. K. McNeill, and C. J. Dolding, assignors to Morgan & Wright, Detroit, Mich. Sectional repair bag. 1,818,766; Aug. 11.
Smith, Clyde L., Chicago, Ill., assignor to Gyro Process Company, Detroit, Mich. Cracking oil. 1,822,753; Sept. 8.
Smith, Clyde L., and C. B. Watson, Chicago, Ill. Oil fractionating apparatus. 1,811,189; June 23.
Smith, Clyde L., and C. B. Watson, Chicago, Ill. Oil fractionating apparatus. 1,822,755; Sept. 8.
Smith, Clyde L., and A. E. Harnsberger, assignors to The Pure Oil Company, Chicago, Ill. Orifice plug. 1,833,340; Nov. 24.
Smith, Cora J., Olympia, Wash. Hosiery protector. 1,828,081; Oct. 20.
Smith & Crosby. (See Gammell, O. L., and Woodward, assignors.)
Smith, Curtiss F., West Hartford, assignor to The Fuller Brush Company, Hartford, Conn. Handle coupling and constructing the same. 1,807,559; May 26.
Smith, D. B., & Company. (See Smith, Myron H., assignor.)
Smith, Dallas M., Webster Groves, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston ring. 1,832,795; Nov. 17.
Smith, Dallas M., Webster Groves, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston ring. 1,832,842; Nov. 17.
Smith, Daniel, Wolverhampton, England. Strip-metal-bending machine. 1,795,151; Mar. 3.
Smith, Daniel L. (See Miner, Roy H., assignor.)
Smith, Daniel W., Oak Park, Ill., assignor to International Harvester Company. Trip adjuster for grain binders. 1,819,693; Aug. 18.
Smith, David C. (See Kadow, A., and Smith.)
Smith, David C., assignor to Kadow Foundation Inc., Toledo, Ohio. 1,828,233; Oct. 20.
Smith, David F., Pittsburgh, Pa. Antifreeze composition. 1,823,216; Sept. 15.
Smith & Davis Manufacturing Company. (See Duvall, William J., assignor.)
Smith, Dillon F., Pensacola, Fla., E. J. Pieper, and C. C. Vogt, assignors to Armstrong Cork Company, Lancaster, Pa. Water resistant fibrous articles and their manufacture. 1,809,316; June 9.
Smith, Donald H. (See Adams, E. R., Weber, and Smith.)
Smith Drum & Company. (See Jaxheimer, William H., assignor.)
Smith, E. Payson. (See Eberman, George T., assignor.)
Smith, Earl. (See Ga Nung, H. D., Smith, and Wilson.)
Smith, Earl C., Canton, assignor to Republic Steel Corporation, Youngstown, Ohio. Casting metal. 1,802,582; Apr. 28.
Smith, Earl F., and G. K. Wilson, assignors to Midwest Metal Products Company, Muncie, Ind. Hanger device for electric fixtures. 1,791,480; Feb. 3.
Smith, Earl H., Lansing, Mich., assignor of one-half to C. H. Jenkins, Chicago, Ill. Shock absorber. 1,797,930; Mar. 24.
Smith, Earle R., Alhambra, Calif. Comb and hood mounting for carpet sweepers. 1,823,413; Sept. 15.
Smith, Earle R., Alhambra, Calif. Brush adjusting carpet sweepers. 1,836,512; Dec. 15.
Smith, Earle R., Los Angeles, Calif., assignor to Gillette Sweeper Corporation Ltd. Carpet sweeper. 1,813,325; July 7.
Smith, Earl S., assignor to The Toledo Porcelain Enamel Products Company, Toledo, Ohio. Bird bath. 1,806,123; May 19.
Smith, Edgar W., Kansas City, Mo. Key case. 1,789,373; Jan. 20.
Smith, Edgar W., Edinburgh, Scotland, assignor to R. W. Crabtree & Sons, Limited, Leeds, England. Inking apparatus for printing machines. 1,798,042; Mar. 24.
Smith, Edgar W., Edinburgh, Scotland, and T. E. Phythian, assignors to R. W. Crabtree & Sons, Limited, Leeds, England. Inking mechanism for printing machines. 1,799,027; Mar. 31.
Smith, Edmund B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and apparatus for measuring small time intervals. 1,813,969; July 14.
Smith, Edmund S. (See Smith, Sheldon K. and E. S.)
Smith, Edward C. (See Strohl, E. J., and Smith.)
Smith, Edward D., et al. (See Wintroath, John A., assignor.)
Smith, Edward F. and C. D., Cincinnati, Ohio. Water wheel. 1,811,031; June 23.
Smith, Edward G., deceased, by E. H. Kingsbury, Little Falls, N. Y., executor. Sea drome. 1,822,245; Sept. 8.
Smith, Edward J., assignor to M. E. Smith, Cleveland, Ohio. Lamp shade and support therefor. 1,805,193; May 12.
Smith, Edward M., Peoria, assignor to Brown Lynch Scott Co., Monmouth, Ill. Wheeled harrow frame adjustment. 1,812,904; July 7.
Smith, Edward R., New Castle, Pa. Educational device. 1,791,982; Feb. 10.
Smith, Edward R., Malden, assignor to Muther Manufacturing Company, Boston, Mass. Measuring instrument. 1,800,325; Apr. 14.
Smith, Edward W., Philadelphia, Pa. Storage battery. 1,800,364; Apr. 14.
Smith, Edward W., Philadelphia, Pa. Rotary casting machine. 1,816,059; July 28.
Smith, Edwin R., and A. Schinkez, assignors to Seneca Falls Machine Co., Seneca Falls, N. Y. Automatic lathe and blank-feeding means therefor. 1,790,848; Feb. 3.
Smith, Edwin R., and R. A. Ashton, assignors to Seneca Falls Machine Co., Seneca Falls, N. Y. Cam-actuated lathe. 1,794,423; Mar. 3.
Smith, Edwin R., and A. Schinkez, assignors to Seneca Falls Machine Co., Seneca Falls, N. Y. Work feeding and removing mechanism for machine tools. 1,794,424; Mar. 3.
Smith, Eggleston, Mamaroneck, N. Y., assignor to Eggleston Drilling Corporation, Dover, Del. Self seating device for drilling bits. 1,805,678; May 19.
Smith, Eggleston, Newark, N. J., assignor to Eggleston Drilling Corporation, Dover, Del. Earth drilling apparatus. 1,805,727; May 19.
Smith, Elmer L., Longmeadow, assignor to Package Machinery Company, Springfield, Mass. Wrapping machine. 1,824,378; Sept. 22.
Smith, Elmer L., Longmeadow, and F. B. Fuller, assignors to Package Machinery Company, Springfield, Mass. Wrapping machine. 1,791,171; Feb. 3.
Smith, Elmer L., Longmeadow, and F. B. Fuller, assignors to Package Machinery Company, Springfield, Mass. Electrically heated twister. 1,824,307; Sept. 22.
Smith, Emanuel A., Hayward, Calif. Pumping device. 1,791,292; Feb. 3.
Smith, Emmett F., St. Louis, Mo., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler fire box. 1,822,937; Sept. 15.
Smith Engineering Company. (See Smith, Arthur J., assignor.)
Smith, Ernest C., Ventura, Calif. Line or cable connecter. 1,814,609; July 14.
Smith, Ernest C., Chicago, Ill., assignor to International Harvester Company. Spreader body. 1,815,337; July 21.
Smith, Ernest J., Fleet Street, London, England, assignor to Goss Printing Press Company. Sheet cutting and handling mechanism. 1,798,910; Mar. 31.
Smith, Ernest J., London, England, assignor to The Goss Printing Press Company. Sheet folding and delivering mechanism. 1,829,242; Oct. 27.
Smith, Ernest J., London, England, assignor to The Goss Printing Press Company. Sheet folding and delivering mechanism. 1,829,243; Oct. 27.
Smith, Ernest J., London, England, assignor to The Goss Printing Press Company. Sheet folding and delivering mechanism. 1,829,244; Oct. 27.
Smith, Ernest W., and T. C. Finlayson, London, England. Apparatus for the manufacture of gas. 1,839,167; Dec. 29.
Smith, Ewen H., assignor to Workman Clark (1928) Limited, Belfast, Ireland. Heating and supply of feed water in steam power plants. 1,838,007; Dec. 22.
Smith, F. L., Machine Co. (See Novick, Abraham, assignor.)
Smith, Floyd, Morrisville, Pa. Flying machine. 1,836,406; Dec. 15.
Smith, Floyd G., Petersburg, Va. Fish bowl. Des. 84,002; Apr. 21.
Smith, Forrest H., Ayden, N. C. Drying house. 1,811,980; June 30.
Smith, Francis, Schenectady, N. Y. Glare shade. 1,795,184; Mar. 3.
Smith, Frank, Cincinnati, Ohio. Display rack for golf bags and clubs. Des. 83,761; Mar. 24.
Smith, Frank, Elland, England. Attaching device for motor vehicle shock absorbers. 1,833,002; Nov. 24.
Smith, Frank D., jr., assignor to A C Spark Plug Company, Flint, Mich. Heat indicator. 1,815,636; July 21.
Smith, Frank E., Billingham-on-Tees, and D. W. Cole, Norton-on-Tees, England, assignors to Atmospheric Nitrogen Corporation, Syracuse, N. Y. Stuffing-box packing. 1,788,496; Jan. 13.
Smith, Frank E., Scottdale, Pa. Return roller support. 1,810,148; June 16.
Smith, Frank H., Philadelphia, Pa., and H. A. Stringfellow, Akron, Ohio. Apparatus for joining pipes. 1,818,435; Aug. 11.
Smith, Frank I., Wilkinsburg, Pa., assignor to Otis Elevator Company, New York, N. Y., Blast furnace charging equipment. 1,837,685; Dec. 22.
Smith, Frank L., Columbiana, Ohio. Upholstering edging. 1,809,733; June 9.
Smith, Frank V. (See Sharer, S. S., Kugler, Smith, and Hurst.)
Smith, Frank W., Van Nuys, assignor of one-fifth to B. L. Adams, Los Angeles, Calif. Amusement device. 1,836,289; Dec. 15.
Smith, Franklin S., Brooklyn, N. Y. Electric resistor. 1,790,173; Jan. 27.
Smith, Franklin S., Brooklyn, N. Y. Apparatus for treating articles with X-rays. 1,809,078; June 9.
Smith, Franklin S., Brooklyn, N. Y. Condenser construction. 1,836,195; Dec. 15.
Smith, Franklin S., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Automatic timing device. 1,838,964; Dec. 29.
Smith, Fred E., Santa Paula, Calif. Valve seat. 1,822,754; Sept. 8.
Smith, Frederick A., assignor of one-fifth to J. Blaeker, New York, N. Y. Swiveling shade roller housing and curtain hanger. 1,792,660; Feb. 17.

Smith, Frederick A., and C. H. Nehls, Indianapolis, Ind., assignor, by mesne assignments, to Oakes Products Corporation. Band lock. 1,817,497; Aug. 4.
Smith, Frederick H., San Diego, Calif. Hose coupling. 1,811,283; June 23.
Smith, Frederick R., Coventry, England. Supercharging fan for internal-combustion engines. 1,796,057; Mar. 10.
Smith, Frederick S. (See Urmston, J., and Smith.)
Smith, Frederick W. (See Cooke, G. G., and Dayton, assignors.)
Smith, George D. (See Grasham, Anderson C., assignor.)
Smith, George E., Park Hills, Ky., assignor to The United States Electrical Tool Company, Cincinnati, Ohio. Tool driving apparatus. 1,827,269; Oct. 13.
Smith, George E., Covington, Ky., assignor to The United States Electrical Tool Company, Cincinnati, Ohio. Grinding wheel guard. 1,827,270; Oct. 13.
Smith, George F., Urbana, Ill. Dehydrating agent and preparing it. 1,798,175; Mar. 31.
Smith, George F., Urbana, Ill. Strontium perchlorate composition and preparing the same. 1,824,101; Sept. 22.
Smith, George L., Rock Island, Ill. Coin box. 1,805,422; May 12.
Smith, George L., Hyde Park, Mass. Flag holder. 1,828,851; Oct. 27.
Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Brake mechanism. 1,792,773; Feb. 17.
Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Brake mechanism. 1,795,237; Mar. 3.
Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Brake applying mechanism. 1,808,121; June 2.
Smith, George M., assignor to A. O. Smith Corporation, Milwaukee, Wis. Making circumferentially corrugated sheet metal pipe. 1,811,678; June 23.
Smith, George M., assignor to A. O. Smith Corporation, Milwaukee, Wis. Pipe coupling. 1,819,007; Aug. 18.
Smith, George S., Edwardsville, Ill. Windshield wiper attachment. 1,825,891; Oct. 6.
Smith, George S., Pittsburgh, Pa., assignor to Pittsburgh Screw & Bolt Corporation. Transfer mechanism for nut-making machines. 1,797,449; Mar. 24.
Smith, George S., Pittsburgh, Pa., assignor, by mesne assignments, to Pittsburgh Screw and Bolt Corporation. Nut machine. 1,819,044; Aug. 18.
Smith, George W. (See Jannson, A. J., and Smith.)
Smith, George W., assignor to Hardsocg Wonder Drill Co., Ottumwa, Iowa. Tool retainer. 1,833,236; Nov. 24.
Smith, George W., jr., assignor to The White Motor Company, Cleveland, Ohio. Brazing a part of nonferrous metal in a part of ferrous metal. 1,838,160; Dec. 29.
Smith, George W., Ottumwa, Iowa, and A. E. Dieterich, Washington, D. C., assignors to Hardsocg Wonder Drill Co., Ottumwa, Iowa. Rock drill. 1,807,016; May 26.
Smith, Glean E., Pasadena, Calif. Centrifugal switch. 1,790,330; Jan. 27.
Smith, Grant E., assignor to Pouvailsmith Corporation, Poughkeepsie, N. Y. Steering wheel and making the same. 1,808,324; June 2.
Smith, Grant E., assignor to Pouvailsmith Corporation, Poughkeepsie, N. Y. Drop hammer. 1,814,193; July 14.
Smith, Grant E., assignor to Pouvailsmith Corporation, Poughkeepsie, N. Y. Making steering wheels. 1,816,444; July 28.
Smith, Grant E., assignor to Pouvailsmith Corporation, Poughkeepsie, N. Y. Steering wheel and making the same. 1,816,445; July 28.
Smith & Gregory of N. Y., Inc. (See Smith, Arthur E., assignor.)
Smith, H. A., Machine Company. (See Rockwell, Herbert S., assignor.)
Smith, H. B., Company, The. (See Prince, Clarence K., assignor.)
Smith, H. B., Company, The. (See Smith, Stanley K., assignor.)
Smith, H. B., Machine Company. (See Pinkney, Bryan D., assignor.)
Smith, H. C., Manufacturing Company. (See Phipps, John T., assignor.)
Smith, H. C., Mfg. Co. (See Triplett, James B., assignor.)
Smith, Hannah M. (See Keen, Thomas A., assignor.)
Smith, Harold B., Worcester, Mass., assignor to Westinghouse Electric & Manufacturing Company. High tension transformer. 1,802,678; Apr. 28.
Smith, Harold E. (See James, Edward, assignor.)
Smith, Harold J., Eldon, Mo. Filling station front. Des. 85,717; Dec. 8.
Smith, Harold L., assignor to The Louis Allis Company, Milwaukee, Wis. Dynamo-electric machine. 1,799,071; Mar. 31.
Smith, Harold P., Red Bank, N. J. Lighting unit. Des. 85,845; Dec. 22.
Smith, Harold W., Freeport, N. Y. Game. 1,818,012; Aug. 11.
Smith, Harold W., Port Huron, Mich., assignor of one-half to A. C. Brandt, Cleveland, Ohio. Car-cleaning device. 1,787,646; Jan. 6.
Smith, Harold W., Utica, N. Y., assignor of one-half to W. A. Ainsworth. Guard for lawn mower wheels. 1,812,499; June 30.
Smith, Harry C., and D. R. Vanneman, New York, assignors to The Autodrink Corporation, New York, N. Y. Dispensing and display device. 1,804,519; May 12.
Smith, Harry E., William Bowker, Newark, and H. Conrow, Lyndhurst, N. J., assignor to Celluloid Corporation. Imitation pearl and making same. 1,814,641; July 14.
Smith, Harry F., assignor to Frigidaire Corporation, Dayton, Ohio. Absorbent for refrigerating apparatus. 1,791,515; Feb. 10.
Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Gas-generating apparatus. 1,794,478; Mar. 3.
Smith, Harry F., Dayton, assignor to The Gas Research Company, Dayton, Ohio. Gas producer. 1,803,139; Apr. 28.
Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Gas generating apparatus. 1,823,382; Sept. 15.
Smith, Harry F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,823,919; Sept. 22.
Smith, Harry F., assignor to The Gas Research Co., Dayton, Ohio. Method of and apparatus for preparing fuel and generating gas therefrom. 1,824,576; Sept. 22.
Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Gas purification. 1,829,068; Oct. 27.
Smith, Harry F., and E. L. Horlacher, assignors to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,802,485; Apr. 28.
Smith, Harry H., Massillon, assignor to Industrial Silica Corporation, Youngstown, Ohio. Apparatus for producing light aggregates. 1,805,020; May 12.
Smith, Harry M., Elkhart, assignor to Walter F. Bossert, Liberty, Ind. Concrete reenforcement. 1,809,870; June 16.
Smith, Harry N., Detroit, Mich., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,830,341; Nov. 2.
Smith, Harry O., Milwaukee, Wis. Reamer and pilot therefor. 1,831,371; Nov. 10.
Smith, Harry R., and M. W. Fish, assignors to Frigidaire Corporation, Dayton, Ohio. Clutch. 1,823,129; Sept. 15.
Smith, Harvey E. (See Fox, R. M., and Smith.)
Smith, Henry, Strand, London, England. Controlling device and means for opening or closing sliding windows, panels, and the like. 1,798,959; Mar. 31.
Smith, Henry, London, England, assignor to Manhattan Electrical Supply Company, Inc., Jersey City, N. J. Doorcheck. 1,807,607; June 2.
Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Composition of matter containing cellulose acetate and carbamate. 1,836,687; Dec. 15.
Smith, Henry J., Minneapolis, Minn. Printing machine. 1,838,584; Dec. 29.
Smith, Henry W., Menlo Park, Calif. Corner brace. 1,787,598; Jan. 6.
Smith, Herbert B., Murrumbeena, Victoria, assignor of one-third to J. B. Splatt, and one-third to W. D. Taylor, Victoria, Australia. Trapping insects. 1,815,122; July 21.
Smith, Herbert C., Los Angeles, Calif., assignor to Coast Insulating Co. Acoustical material. 1,824,240; Sept. 22.
Smith, Herbert E., assignor to Texas Iron Works Sales Corporation, Houston, Tex. Screen support and anchor. 1,802,786; Apr. 28.
Smith, Herbert F. (See Hein, A. A., and Smith.)
Smith, Herbert K., Inglewood, Calif. Display stand. 1,802,037; Apr. 21.
Smith, Herman B., Plainfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Waste heat boiler. 1,825,289; Sept. 29.
Smith, Herman B., Plainfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Waste heat boiler. 1,826,029; Oct. 6.
Smith, Herman B., Plainfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Fire tube boiler. 1,831,549; Nov. 10.
Smith, Herman B., Plainfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Dust collector. 1,838,331; Dec. 29.
Smith, Herman B., Plainfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,839,125; Dec. 29.
Smith, Herman C. (See Triplett, James B., assignor.)
Smith, Herschel G., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Purifying petroleum products. 1,818,642; July 7.
Smith, Horatio A., Edmonds, Wash. Calked sole. 1,837,730; Dec. 22.
Smith, Horatio W., Stockton, assignor to Caterpillar Tractor Co., San Leandro, Calif. Power-driven conveyer. 1,816,405; July 28.
Smith, Howard F. (See Wilson, Hillsman D., jr., assignor.)
Smith, Howard L., Lexington, Kentucky. Tobacco press. 1,791,326; Feb. 3.
Smith, Hugh L., Schenectady, N. Y., assignor to General Electric Company. System of motor control. 1,790,681; Feb. 3.
Smith, Ira D., Eastland, Tex. Automatic check valve. 1,805,603; May 19.
Smith, Irvin R. (See Heiny, M. M., and Smith.)

Smith, Isidore P., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Tent-pole mounting. 1,801,026; Apr. 14.
Smith, Isidore P., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Wall tent. 1,833,095; Nov. 24.
Smith, Isidore P., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Wall tent. 1,833,096; Nov. 24.
Smith, J., Errol, assignor to The Stone Creek Brick Company, Stonecreek, Ohio. Apparatus and process for texturing brick. 1,809,572; June 9.
Smith, J. McElroy, Columbus, Ohio. Coupling for lubricating systems. 1,835,347; Dec. 8.
Smith, Jacob A., River Forest, assignor to Mayer Manufacturing Corporation, Chicago, Ill. Indicating device. 1,803,658; May 5.
Smith, Jacob A., Ankeny, Iowa. Steam pressure cooker. 1,809,079; June 9.
Smith, James A. R., Marple, England. Exhaust steam injector. 1,831,755; Nov. 10.
Smith, James E., Los Angeles, Calif., assignor to Western Pipe & Steel Company, of California. Steel derrick. 1,808,080; June 2.
Smith, James E., Rogersville, Mo. Nutcracker. 1,831,723; assignor.)
Smith, James J., Philadelphia, Pa. Can lifter. 1,834,503; Dec. 1.
Smith, James N., Toronto, Ontario, Canada, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Thermal insulation of electrolytic cells. 1,797,374; Mar. 24.
Smith, James N., Toronto, Ontario, Canada, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Electrode for electrolytic apparatus. 1,797,375; Mar. 24.
Smith, James N., Toronto, Ontario, Canada, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Electrolytic apparatus. 1,797,376; Mar. 24.
Smith, James N., Toronto, Ontario, Canada, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Electrolytic cell. 1,797,377; Mar. 24.
Smith, James N., Toronto, Ontario, Canada, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Electrolytic cell. 1,815,078; July 21.
Smith, James N., Toronto, Ontario, Canada, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Electrolytic cell. 1,815,079; July 21.
Smith, James N., Toronto, Ontario, Canada, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Electrode for apparatus for electrolysis of water. 1,815,080; July 21.
Smith, James R., sr., Trenton, N. J. Combination shelf, tumbler, soap, toothbrush, and jewel cup. Des. 84,662; July 14.
Smith, James T. (See Taylor, H. W., and Smith.)
Smith, James W., assignor to R. Perkins, trustee, Cleveland, Ohio. Evaporator section. 1,816,159; July 28.
Smith, James W., San Francisco, Calif. Cup cake pan. 1,831,147; Nov. 10.
Smith, Jay A., Hammon, Okla. Cotton topper. 1,833,001; Nov. 24.
Smith, Jay H., Glendale, assignor to Superior Regulator Co., Los Angeles, Calif. Gas regulating valve. Re18,307; Dec. 29.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,787,918; Jan. 6.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,790,174; Jan. 27.
Smith, Jesse A. B., Stamford, Conn., assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machines. 1,792,047; Feb. 10.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,794,094; Feb. 24.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and card-perforating machine. 1,795,453; Mar. 10.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriter word counter. 1,798,707; Mar. 31.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,801,290; Apr. 21.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,802,787; Apr. 28.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,816,348; July 28.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,821,528; Sept. 1.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,822,938; Sept. 15.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,823,130; Sept. 15.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,824,102; Sept. 22.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,826,903; Oct. 13.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,834,504; Dec. 1.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Multiple-ply web for typewriters. 1,837,731; Dec. 22.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,838,712; Dec. 29.
Smith, John A. (See LeBoeuf, E., Smith, and Moss.)
Smith, John A., Spokane, Wash., assignor to The Ful-Vue Sales Company, Washington, D. C. Spectacles and goggles. Re17,996; Mar. 10.
Smith, John A., Chicago, Ill. Awning support and protector. 1,812,416; June 30.
Smith, John C., Monaca, Pa. Push-on lighting unit. 1,787,496; Jan. 6.
Smith, John H. (See Mitchell, J., and Smith.)
Smith, John H., assignor to Wesson Sales Co., Detroit, Mich. Adjuster boring bar. 1,801,883; Apr. 21.
Smith, John H., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,809,915; June 16.
Smith, John H., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,810,375; June 16.
Smith, John H., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,827,827; Oct. 20.
Smith, John H., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,816,160; July 28.
Smith, John J., Houston, Pa. Double-acting water pump. 1,802,070; Apr. 21.
Smith, John L., Shreveport, La. Filling station. Des. 84,304; June 2.
Smith, John M., Washington, D. C. Letter sheet or similar article. Des. 85,892; Dec. 29.
Smith, John R., Los Angeles, Calif. Water-trap air-eliminating closet box. 1,797,450; Mar. 24.
Smith, John R. C., Victoria, British Columbia, Canada. Car-cleaning tool. 1,800,413; Apr. 14.
Smith, John T., Longview, Tex. Bait busket. 1,801,117; Apr. 14.
Smith, John W. (See Mitchell, A., and Smith.)
Smith, John W. (See Sawyer, G. E., and Smith.)
Smith, John W., Pittsburg, Kans. Fender reshaping tool. 1,801,460; Apr. 21.
Smith, John W., Philadelphia, Pa. Propeller hub. 1,807,179; May 26.
Smith, John W., Syracuse, N. Y. Fuel mixing device. 1,825,892; Oct. 6.
Smith, John W., assignor to Budd Wheel Company, Philadelphia, Pa. Machine for rolling metallic disks. 1,788,550; Jan. 13.
Smith, John W., assignor to Budd Wheel Company, Philadelphia, Pa. Machine for rolling tapered disks. 1,788,551; Jan. 13.
Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring-end connection. 1,789,277; Jan. 13.
Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Spring-end connection. 1,789,278; Jan. 13.
Smith, John W., assignor to the Fafnir Bearing Company, New Britain, Conn. Spring end connection. 1,807,094; May 26.
Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Grinder. 1,815,014; July 14.
Smith, Joseph, et al. (See Gilowitz, Benjamin, assignor.)
Smith, Joseph, New York, N. Y. Display card. Des. 85,553; Nov. 10.
Smith, Joseph A., Attleboro, Mass. Nursing nipple. 1,821,913; Sept. 1.
Smith, Joseph A., Attleboro, Mass., assignor to E. G. Bek, Pforzheim, Germany. Electroplating and electroplating apparatus. 1,819,130; Aug. 18.
Smith, Joseph N., Co. (See Mulligan, Leonard A., assignor.)
Smith, Joseph R. S., Placerville, assignor of one-half to J. H. Adams, Telluride, Colo. Internal-combustion engine. 1,798,043; Mar. 24.
Smith, Julian C. (See Bellamy, H. T., and Smith.)
Smith, L. C., & Corona Typewriters Inc. (See Avery, Henry A., assignor.)
Smith, L C, & Corona Typewriters Inc. (See Ely, A. B., and Harmon, assignors.)
Smith, L. C., & Corona Typewriters Inc. (See Gabrielson, Carl, assignor.)
Smith, L. C., & Corona Typewriters Inc. (See Harmon, Edwin L., assignor.)
Smith, Laura B. (See Anderson, Eli J., assignor.)
Smith, Lee J., Vulcan, Alberta, Canada. Coal cutting machine. 1,834,808; Dec. 1.
Smith, Leo A., Wimbledon, England. Sound box for talking machines and like devices. 1,809,493; June 9.
Smith, Leslie T. (See Blackwell, T. E., and Smith.)
Smith, Lewis R. (See Colstad, Charles N., assignor.)

Smith, Lewis R., receiver. (See Jackson, Alfred F., assignor.)
Smith, Lloyd A., Davenport, Iowa. Pressing and steaming iron. 1,824,379; Sept. 22.
Smith, Lora C., assignor to Kokomo Stamped Metal Company, Kokomo, Ind. Skate wheel. 1,793,022; Feb. 17.
Smith, Louis C., et al., trustees. (See Dodge, John H., assignor.)
Smith, Louis R., Kekaha, Hawaii. Locking mechanism for vehicle fuel tanks. 1,788,473; Jan. 13.
Smith, Louis R., Kekaha, Kauai, Hawaii. Tape measure. 1,800,911; Apr. 14.
Smith, Louis R., Hawthorne, Nev. Motor vehicle hood locking mechanism. 1,808,265; June 2.
Smith, Lucian B., assignor to A C Spark Plug Company, Flint, Mich. Casing for flexible drive shafts. 1,791,847; Feb. 10.
Smith, Lucian B., assignor to A C Spark Plug Company, Flint, Mich. Pulsator for fuel pumps. 1,796,126; Mar. 10.
Smith, Mack, Santa Monica, Calif. Glare eliminator. 1,812,177; June 30.
Smith, Marion F. (See Wilkins, A. E., and Smith.)
Smith, Marshall C., Philadelphia, Pa., assignor to The Barrett Company. Ball bearing stuffing box. 1,828,880; Oct. 27.
Smith, Martin M., et al. (See Zimdars, J. B., Carniglia, and Smith.)
Smith, Martin P., et al., trustees. (See Shipley, Marion R., assignor.)
Smith, Mary E. (See Smith, Edward J., assignor.)
Smith, Maurice A., assignor to McKee Glass Company, Jeanette, Pa. Automobile headlight lens. Des. 84,112; May 5.
Smith, Maurice B. (See Griffith, F., and Smith.)
Smith, Michael, Modesto, Calif. Pneumatic rock drill. 1,804,066; May 5.
Smith, Mildred A., assignor to Bat-Les-Lite Corporation, Albany, N. Y. Flashlight. Des. 85,670; Dec. 1.
Smith, Miles J., and H. I. Chilson, assignors to Carolina Rubber Company, Salisbury, N. C. Composition cylinder for looms. 1,793,722; Feb. 24.
Smith, Milton F., Yakima, Wash. Closure fastener. 1,814,343; July 14.
Smith, Milton S., Maplewood, assignor to Carrier Construction Company, Inc., Newark, N. J. Heat exchange device. 1,817,948; Aug. 11.
Smith-Monroe Company. (See Monroe, Rollo O., assignor.)
Smith, Morris, Los Angeles, Calif. Electrodynamic speaker. 1,808,149; June 2.
Smith, Myron H., assignor to D. B. Smith & Company, Inc., Utica, N. Y. Portable fire extinguisher and sprayer. 1,798,708; Mar. 31.
Smith, Myron H., assignor to D. B. Smith & Company, Inc., Utica, N. Y. Nozzle. 1,798,709; Mar. 31.
Smith, Nathan C., and W. W. Wallace, Cullman, Ala. Plow. 1,819,925; Aug. 18.
Smith, Nelson K., Los Angeles, assignor to Byron Jackson Co., San Francisco, Calif. Slip-type elevator. 1,795,578; Mar. 10.
Smith, Nelson K., Los Angeles, assignor to Byron Jackson Co., West Berkeley, Calif. Circle brace. 1,803,681; May 5.
Smith, Nelson K., Los Angeles, assignor to Byron Jackson Co., West Berkeley, Calif. Casing tong. 1,820,545; Aug. 25.
Smith, Nelson K., assignor to Byron Jackson Co., Los Angeles, Calif. Side door elevator. 1,824,412; Sept. 22.
Smith, Nelson K., assignor to Byron Jackson Co., Los Angeles, Calif. Rotary and casing hook. 1,825,018; Sept. 29.
Smith, Nelson K., assignor to Byron Jackson Co., Los Angeles, Calif. Elevator. 1,834,429; Dec. 1.
Smith, Nelson K., assignor to Byron Jackson Co., Los Angeles, Calif. Elevator. 1,835,348; Dec. 8.
Smith, Nicol H. (See Lukens, H. S., and Smith.)
Smith, Noah B. (See Walters, A. J., and Smith.)
Smith, Oakley, Chicago, Ill. Attachment for beds. 1,804,710; May 12.
Smith, Oakley, Chicago, Ill. Tactilotester. 1,829,968; Nov. 3.
Smith, Oakley, Chicago, Ill. Tensometer. 1,829,969; Nov. 3.
Smith, Oliver G., Chicago, Ill. Coin bank. 1,801,616; Apr. 21.
Smith, Oris W. (See Banks, C. L., and Smith.)
Smith, Oscar L., Toms River, N. J. Method and machine for making tubular rivets and the like. 1,830,722; Nov. 3.
Smith, Owen, Monroe, Va. Starter and pound section. 1,803,813; May 5.
Smith, Paul, Farmingdale, N. Y. Door operating device. 1,824,968; Sept. 29.
Smith, Paul A., Notus, Idaho. Hayrake. 1,832,746; Nov. 17.
Smith, Paul S., Madison, assignor by mesne assignments, to Lea Fabrics Inc., Newark, N. J. Machine for making pile fabrics. 1,822,509; Sept. 8.
Smith, Paul S., Madison, assignor, by mesne assignments, to Lea Fabrics Inc., Newark, N. J. Single texture fabric and making the same. 1,825,827; Oct. 6.
Smith, Paul S., Summit, assignor to Lea Fabrics Inc., Newark, N. J. Machine for the making of pile fabric. 1,822,510; Sept. 8.
Smith, Perry C., Bronxville, N. Y. Engine or the like. 1,787,556; Jan. 6.
Smith-Petersen, Morten, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Safety device for hoist brakes. 1,818,007; Aug. 11.
Smith, Philip M. (See Whitehead, Oton L., assignor.)
Smith, Pleasant E., assignor of one-third to L. B. House, Herrin, Ill. Coal loader. 1,818,168; Aug. 11.
Smith, Ralph C., Los Angeles, Calif. Casing for a golf ball painting machine. Des. 84,305; June 2.
Smith, Ralph E., assignor to The Galion Metallic Vault Company, Galion, Ohio. Grave-vault handle. Des. 83,649; Mar. 10.
Smith, Ralph E., assignor to The Galion Metallic Vault Company, Galion, Ohio. Burial vault. Des. 84,113; May 5.
Smith, Ralph E., assignor to The Galion Metallic Vault Company, Galion, Ohio. Dump truck. 1,793,756; Feb. 24.
Smith, Ralph E., R. J. Arnold, and R. O. Curfman, assignors to The Galion Metallic Vault Company, Galion, Ohio. Dump body. 1,832,513; Nov. 17.
Smith, Ralph R., Jackson Heights, N. Y., assignor to National Carbon Company, Inc. Battery case. 1,819,129; Aug. 18.
Smith, Ralph R,, Jackson Heights, N. Y., assignor to National Carbon Company, Inc. Battery hand lamp. 1,831,514; Nov. 10.
Smith, Ralston, Oceanpark, Calif. Grapefruit corer and slicer. 1,794,800; Mar. 3.
Smith, Ray R., Clarksburg, W. Va. Flush lever and bulb. 1,833,725; Nov. 24.
Smith, Ray S., Modesto, Calif. Golf tee container and retriever. 1,823,992; Sept. 22.
Smith, Raymond A., administrator. (See McKenzie, Frank.)
Smith, Raymond D., Pleasantville, N. Y., assignor to Tremont Products Corporation, Boston, Mass. Double acting switch timer. 1,810,187; June 16.
Smith, Reinold V., Chicago, Ill. Solid fuel. 1,790,356; Jan. 27.
Smith, Ricardo M., Passaic, N. J., assignor to I. C. Herman & Company, Inc. Stop-device for sewing machines. 1,834,430; Dec. 1.
Smith, Richard D., Andover, Va. Safety drop-door hook. 1,800,161; Apr. 7.
Smith, Richard F., Charleston, S. C., assignor of one-fourth to R. D. Sullivan, Savannah, Ga., and one-half to Charleston Dry Dock and Machine Company, Charleston, S. C. Ship construction. 1,806,508; May 19.
Smith, Richard F., Charleston, S. C., assignor of one-fourth to R. D. Sullivan, Portsmouth, Va., and one-half to Charleston Dry Dock and Machine Company, Charleston, S. C. Ship hull construction. 1,837,078; Dec. 15.
Smith, Robert. (See Powell, J. R., Sheely, and Smith.)
Smith, Robert Charles. (See Truesdale, R., Smith, and Simpson.)
Smith, Robert F., Lynn, Mass. Direction indicator. 1,809,362; June 9.
Smith, Robert L., Lynchburg, Va. Ice pick. 1,793,378; Feb. 17.
Smith, Robert M., and F. Hermanski, Enid, Okla. Revolving advertising sign. 1,794,740; Mar. 3.
Smith, Robert N., Kansas City, Mo., assignor of one-half to J. L. Hogin, Kansas City, Kans. Doorlock. 1,813,092; July 7.
Smith, Robert N., Kansas City, Mo., assignor of one-half to James L. Hogin, Kansas City, Kans. Automobile doorlock. 1,813,093; July 7.
Smith, Robert S. (See Pfaus, F., and Smith.)
Smith, Roswell B. (See Knapp, Charles C., assignor.)
Smith, Rowland D., assignor to Corning Glass Works, Corning, N. Y. Treating glass articles. 1,791,066; Feb. 3.
Smith, Rowland D., assignor to Corning Glass Works, Corning, N. Y. Treating glass articles. 1,807,017; May 26.
Smith, Roy H. (See Frayer, L. A., and Harvey, assignors.)
Smith, Roy H., Kent, Ohio. Combined open and solid die header. 1,802,788; Apr. 28.
Smith, Roy H., Kent, Ohio. Combined heading and trimming machine. 1,832,145; Nov. 17.
Smith, Roy H., and L. A. Frayer, Kent, Ohio; said Frayer assignor to said Smith. Bolt making machine. 1,835,910; Dec. 8.
Smith, Roy M., North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company. Induction relay. 1,834,431; Dec. 1.
Smith, Ruel H., North Attleboro, Mass., assignor to Standard Chain Co., Inc. Mesh fabric. Des. 83,282; Feb. 10.
Smith, Russell, Gosport, Ind. Tire. Des. 84,963; Aug. 25.
Smith, Russell T., Greenville, Mich. Refrigerator cabinet. Des. 84,208; May 19.
Smith, Russell T., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Refrigeration unit. 1,811,523; June 23.
Smith, S. Morgan, Company. (See Porter, Harry T., assignor.)
Smith, Sam R., assignor of one-fourth to P. G. Hoffman, and one-fourth to D. B. Hoffman, South Bend, Ind. Airplane propulsion device. 1,811,441; June 23.
Smith, Samuel, Brooklyn, assignor to Disk-O-Knowledge, Inc., New York, N. Y. Dial for charts or the like. Des. 84,114; May 5.

Smith, Samuel B. (See Ranger, R. H., and Smith.)
Smith, Sheldon W. and E. S., Springville, Iowa. Eyeshade. 1,794,927; Mar. 3.
Smith, Sidney, West Vancouver, British Columbia, assignor to G. E. Manufacturers Limited, Vancouver, British Columbia, Canada. Rotary compressor. 1,799,539; Apr. 7.
Smith, Sidney B. (See Wright, G. M., and Smith.)
Smith, Sidney L., Pittsburgh, Pa. Cleaning device. 1,801,118; Apr. 14.
Smith, Sidney R., London, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,805,153; May 12.
Smith, Sidney R., London, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone instrument. 1,830,139; Nov. 3.
Smith, Sidney R., Liverpool, England, and J. E. Ostline, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Automatic switch for use in telephone or like systems. 1,830,138; Nov. 3.
Smith, Skardon T., Detroit, Mich. Automatic locking device. 1,835,349; Dec. 8.
Smith & Sons Corporation. (See Blanchard, Harry G., assignor.)
Smith, Stanley C. (See Webb, George W. C., assignor.)
Smith, Stanley J. (See Jones, A. D., and Smith.)
Smith, Stanley K., assignor to The H. B. Smith Company, Westfield, Mass. Boiler. 1,829,196; Oct. 27.
Smith, Stanley K., assignor to The H. B. Smith Company, Westfield, Mass. Combustion apparatus. 1,829,197; Oct. 27.
Smith & Stone Limited. (See Redshaw, Herbert, assignor.)
Smith & Stone Limited. (See Stone, B., Redshaw, and Nunns, assignors.)
Smith, Storrs H., Portland, Oreg., and J. M. King, Grove City, Pa. Radiator and cylinder block cleaner. 1,827,301; Oct. 13.
Smith, Sydney, assignor to The Studebaker Corporation, South Bend, Ind. Windshield ventilator. 1,792,191; Feb. 10.
Smith, T. L., Company, The. (See Rybeck, Adolph W., assignor.)
Smith, Temple C., Westfield, N. J., assignor to American Telephone and Telegraph Company. Snatch block. 1,817,949; Aug. 11.
Smith, Temple C., Westfield, J. B. Spowart, Newark, N. J., and P. G. Fitzpatrick, New York, N. Y., assignors to American Telephone and Telegraph Company. Winch rope winder. 1,820,094; Aug. 25.
Smith, Theodore A., Ridgewood, N. J., assignor to Radio Corporation of America. Television scanning system. 1,790,491; Jan. 27.
Smith, Theodore A., Ridgewood, N. J., assignor to Radio Corporation of America. Television system. 1,797,378; Mar. 24.
Smith, Theodore A., Ridgewood, N. J., assignor to Radio Corporation of America. Television system. 1,810,188; June 16.
Smith, Theodore L., Concord, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,812,500; June 30.
Smith, Theodore R., Rolfe, Iowa. King bolt. 1,820,840; Aug. 25.
Smith, Theodore W., assignor to P. C. Reilly, Indianapolis, Ind. Apparatus for the treatment of timbers. 1,838,585; Dec. 29.
Smith, Thomas R., Youngstown, Ohio. Valve. 1,804,711; May 12.
Smith, Ulysses J., Cleveland, Ohio. Disinfecting apparatus. 1,824,380; Sept. 22.
Smith, W. B. (See Werner, William, assignor.)
Smith, Walter A., assignor to Stover Manufacturing & Engine Co., Freeport, Ill. Method of and machine for making one-piece mop heads. 1,799,483; Apr. 7.
Smith, Wallace D., Kalamazoo, Mich. Applicator for vibrating machines. 1,805,853; May 19.
Smith, Wallace D., Kalamazoo, Mich. Rubber with mud guard device. 1,820,095; Aug. 25.
Smith, Wallace W. (See Trevellyan, V. B., and Smith.)
Smith, Walter. (See Pricco, John, assignor.)
Smith, Walter, Malaga, Calif. Box handling tongs. 1,806,956; May 26.
Smith, Walter C., Moylan, Pa., assignor to Cerro de Pasco Copper Corporation, New York, N. Y. Production of bismuth. 1,809,871; June 16.
Smith, Walter C., Moylan, Pa., assignor to Allied Process Corporation, New York, N. Y. Casting metals and alloys therefor. 1,812,992; July 7.
Smith, Walter C., Moylan, Pa., assignor to Allied Process Corporation, New York, N. Y. Refining metals. 1,812,993; July 7.
Smith, Walter C., Moylan, Pa., and P. Mack, jr., La Fundicion, Peru, assignors of one-half to The Cerro De Pasco Copper Corporation, New York, N. Y., and one-half to Anaconda Copper Mining Company, Anaconda, Mont. Refining bismuth. 1,816,620; July 28.
Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 83,017; Jan. 6.
Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 83,018; Jan. 6.
Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 83,068; Jan. 13.
Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 83,069; Jan. 13.
Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 83,070; Jan. 13.
Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle; Des. 83,931; Apr. 14.
Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 83,938; Apr. 14.
Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 83,939; Apr. 14.
Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 84,115; May 5.
Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 84,116; May 5.
Smith, Walter E., Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 84,308; June 2.
Smith, Walter E. Warwick Downs, assignor to C. G. King & Co., Inc., Providence, R. I. Shoe buckle. Des. 84,448; June 16.
Smith, Walter E., Warwick Downs, assignor to C. C. King & Co., Inc., Providence, R. I. Shoe ornament. Des. 84,798; Aug. 4.
Smith, Walter E., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. End ornament for drapery rods or the like. Des. 83,577; Mar. 3.
Smith, Walter E., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. Center ornament for draper rods or the like. Des. 83,578; Mar. 3.
Smith, Walter E., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. Center ornament for drapery rods or the like. Des. 84,003; Apr. 21.
Smith, Walter E., Providence, assignor to Kenney Manufacturing Company Cranston, R. I. End ornament for drapery rods or the like. Des. 84,004; Apr. 21.
Smith, Walter E., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. Center ornament for drapery rods or the like. Des. 84,005; Apr. 21.
Smith, Walter E. Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. End ornament for drapery rods or the like. Des. 84,006; Apr. 21.
Smith, Walter E., Providence, R. I., assignor to Kenney Manufacturing Company, Cranston, R. I. Drapery rod. Des. 84,207; May 19.
Smith, Walter E., Providence, R. I., assignor to Kenney Manufacturing Company, Cranston, R. I. Drapery rod. Des. 84,209; May 19.
Smith, Walter E., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. Center ornament for drapery rods or the like. Des. 84,306; June 2.
Smith, Walter E., Providence, assignor to Kenney Manufacturing Company, Cranston, R. I. End ornament for drapery rods or the like. Des. 84,307; June 2.
Smith, Walter E., Providence, R. I., assignor to Kenney Manufacturing Company, Cranston, R. I. Center ornament for drapery rods or the like. Des. 84,715; July 21.
Smith, Walter E., Providence, R. I., assignor to Kenney Manufacturing Company, Cranston, R. I. End ornament for drapery rods or the like. Des. 84,716; July 21.
Smith, Walter E., Hinsdale, Ill., assignor to American Bank Note Company, New York, N. Y. Check book. 1,831,148; Nov. 10.
Smith, Walter H. (See Whittaker, C. C., and Smith.)
Smith, Walter H., Philadelphia, Pa. Flexible air connecter to motors. 1,795,266; Mar. 3.
Smith, Walter H., assignor, by mesne assignments, to Electric Service Supplies Company, Philadelphia, Pa. Door holding means and release. 1,804,443; May 12.
Smith, Walter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,817,213; Aug. 4.
Smith, Walton S., Hillside, N. J. Making stannous chloride. 1,825,212; Sept. 29.
Smith Welding Equipment Corporation. (See Plumley, Stuart, assignor.)
Smith, Wendell, Pacific Palisades, Calif. Throttle control device. 1,838,289; Dec. 29.
Smith, William. (See Drescher, H. A. E., Smith, and Thomas.)
Smith, William, and J. Thomas, assignor to Scottish Dyes Limited, Grangemouth, Scotland. Production of dyestuff intermediates. 1,834,876; Dec. 1.
Smith, William A., jr. (See Smith, William A., sr., and W. A., jr.)
Smith, William A., sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device. 1,788,034; Jan. 6.
Smith, William A., sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Chuck for rock drills. 1,806,315; May 19.
Smith, William A., Manchester, assignor to Pneumatic Conveyance & Extraction (1929) Limited, London, England. Rotary separator. 1,788,851; Jan. 13.
Smith, William A., Manchester, assignor to Pneumatic Conveyance & Extraction (1929) Limited, London, England. Valve for use with dust extraction and for conveying apparatus. 1,797,027; Mar. 17.

Smith, William A., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 1,789,117; Jan. 13.
Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,789,118; Jan. 13.
Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve mechanism for rock drills. 1,808,482; June 2.
Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,813,773; July 7.
Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,815,166; July 21.
Smith, William A., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Protective device. 1,821,677; Sept. 1.
Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Blowing device for rock drills. 1,829,245; Oct. 27.
Smith, William A., jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,836,688; Dec. 15.
Smith, William A., Manchester, assignor to Pneumatic Conveyance & Extraction (1929) Limited, London, England. Air and gas washing apparatus. 1,836,290; Dec. 15.
Smith, William A., and H. A. Belden, Sherman, Tex. Flexible material grip. 1,825,165; Sept. 29.
Smith, William A., jr., and G. H. Fuehrer, Phillipsburg, assignors to Ingersoll-Rand Company, Jersey City, N. J. Blowing device for rock drills. 1,813,774; July 7.
Smith, William A., sr., and W. A. Smith, jr., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,807,800; June 2.
Smith, William A., sr., Easton, Pa., and W. A. Smith, jr., Phillipsburg, assignors to Ingersoll-Rand Company, Jersey City, N. J. Percussive tool. 1,829,246; Oct. 27.
Smith, William A., sr., Easton, Pa., and W. A., jr., Phillipsburg, assignors to Ingersoll-Rand Company, Jersey City, N. J. Feeding device. 1,835,675; Dec. 8.
Smith, William A., sr., Phillipsburg, N. J., and F. H. Thomas, Milan, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device. 1,838,459; Dec. 29.
Smith, William B., Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Forming a display packer's container. 1,804,284; May 5.
Smith, William C., Corsicana, Tex. Split nut. 1,792,329; Feb. 10.
Smith, William D., Steubenville, Ohio. Ash tray. 1,813,467; July 7.
Smith, William E. (See Fetterly, C. L., and Smith.)
Smith, William E., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Terminal board. 1,819,657; Aug. 18.
Smith, William E., Milltown, assignor to Gulbenkian Seamless Rug Company, New Brunswick, N. J. Picker crank adjustment. 1,819,926; Aug. 18.
Smith, William F., assignor of one-half to H. A. Schatz, Poughkeepsie, N. Y. Internal-combustion engine. 1,794,928; Mar. 3.
Smith, William G., Rossburn, Manitoba, Canada. Gravel spreader. 1,807,447; May 26.
Smith, William G., Memphis, Tenn. Ice cream making unit. 1,817,498; Aug. 4.
Smith, William H., East Cleveland, Ohio. Metallurgical furnace. 1,789,847; Jan. 20.
Smith, William H., Detroit, Mich. Uniting iron with other metals and elements. 1,793,757; Feb. 24.
Smith, William H., Bingley, England. Brake and like operating mechanism. 1,794,211; Feb. 24.
Smith, William H., Copeland, Idaho. Locking system for containers. 1,806,124; May 19.
Smith, William H., Withington, and H. C. Stanley, Erdington, England. Pneumatic upholstery. 1,830,570; Nov. 3.
Smith, William J., assignor to C. O. Hadly, Philadelphia, Pa. Shock absorber. 1,790,773; Feb. 3.
Smith, William J., and H. F. Braun, Lakewood, assignors to The Cleveland Steel Products Corporation, Cleveland, Ohio. Universal joint. 1,834,906; Dec. 1.
Smith, William L. (See Wagner, George R., assignor.)
Smith, William L., jr., assignor to May Hosiery Mills, Nashville, Tenn. Knitting machine. 1,825,370; Sept. 29.
Smith, William M., Hartland, assignor of one-half to C. H. Oman, North Lake, Wis. Railroad crossing gate. 1,818,013; Aug. 11.
Smith, William N. (See Davis, S. H., Anderson, Smith, and Hanley.)
Smith, William N. (See Davis, S. H., Anderson, Stengl, Smith, and Hanley.)
Smith, William R., Toledo, Ohio, assignor to General Motors Corporation, Detroit, Mich. Transmission-shifting mechanism. 1,787,766; Jan. 6.
Smith, William R., Toledo, Ohio, assignor to General Motors Corporation, Detroit, Mich. Torque ball retainer and speedometer. 1,809,734; June 9.
Smith, William S. (See Hammer, G., Gercich, and Smith.)
Smith, William S., Port Moody, British Columbia, Canada. Sawing carriage. 1,802,844; Apr. 28.
Smith, Willoughby S., Benchams, Newton Poppleford, H. J. Garnett, Sevenoaks, and W. F. Randall, Ewell, England. Manufacture of magnetic alloy. 1,811,032; June 23.
Smith, Willoughby S., Benchams, Newton Poppleford, H. J. Garnett, Sevenoaks, and H. C. Channon, Kensington, London, England. Submarine cable. 1,819,720; Aug. 18.
Smith, Wilson A., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash latch. Des. 85,350; Oct. 13.
Smith, Winfield D., Peekskill, assignor to E. A. Widmann, New York, N. Y. System of articulate sound reproduction. 1,823,705; Sept. 15.
Smith, Winfield S., Ossining, N. Y. Closure operator. 1,815,123; July 21.
Smith, Woodruff R., West Haven, assignor to Malleable Iron Fittings Company, Branford, Conn. Control handle for motor boat engines. 1,804,442; May 12.
Smithe, F. L., Machine Co. (See Novick, Abraham, assignor.)
Smithells, Colin J., Bushey, England. Manufacture of chromium and alloys. 1,838,641; Dec. 29.
Smithers, Vernon L. (See Hicks, D. T., and Smithers.)
Smith's John E., Sons Company. (See Van Hooydonk, Adrian C., assignor.)
Smith's Sons, John E., Company. (See Van Hooydonk, Adrian C., assignor.)
Smithson, William D., and J. L. Hair, Wichita Falls; said Smithson assignor to O. G. Stephens, C. V. Stephens, M. D. Stephens, L. W. Stephens, and M. L. Stephens, Wichita County, Tex. Reel. 1,829,161; Oct. 27.
Smitmans, John A. (See Biggert, F. C., jr., and Smitmans.)
Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Billet manipulator for rolling mills. 1,810,684; June 16.
Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Clutch mechanism. 1,811,655; June 23.
Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Pinion stand. 1,825,927; Oct. 6.
Smoot, Charles H., Maplewood, N. J. Regulator. 1,796,967; Mar. 17.
Smoot, Charles H., Maplewood, N. J. Regulator. 1,796,968; Mar. 17.
Smoot, Charles H., Maplewood, N. J. Frequency regulator. 1,836,559; Dec. 15.
Smoot Engineering Corporation. (See Mawha, James K., assignor.)
Smoot, John H. (See Aufiero, J. M., and Smooth.)
Smotzer, Michael C. (See Byers, J. A., and Smotzer.)
Smout, Warren R., Albany, Wis. Knife holding attachment for grinders. 1,836,292; Dec. 15.
Smurthwaite, Jesse A., Helena, Mont. Inscription attachment for cameras. 1,821,408; Sept. 1.
Smyser, Bert A., Tacoma, Wash. Machine for making wreaths. 1,796,899; Mar. 17.
Smyser, Frederic H., Marblehead, Mass., assignor to General Electric Company. Cellulose composition and making molded products therefrom. 1,792,254; Feb. 10.
Smyser, James S., Brighton, Mass. Abrasive article and manufacture of same. 1,788,600; Jan. 13.
Smyth Manufacturing Company, The. (See Schramm, Carl, assignor.)
Smyth Manufacturing Company, The. (See Schramm, C., and Clark, assignors.)
Smyth, Paul H., jr. (See Swarthout, D. S., and Smyth.)
Smyth, Rodrigo M., San Jose, Costa Rico. Flying machine. 1,810,114; June 16.
Smyth, Thomas J., East Elmhurst, L. I., N. Y. Book support. 1,808,796; June 9.
Smythe, Clayton L. (See Frederick, Clarence H., assignor.)
Smythe, Edwin H., Evanston, Ill. Sound reproducer. 1,828,513; Oct. 20.
Smythe, Edwin H., Evanston, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Acoustic device. 1,813,208; July 7.
Smythe, Edwin H., Evanston, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,821,586; Sept. 1.
Smythe, Edwin H., Evanston, Ill., and P. B. Flanders, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for the measurement of acoustic impedance. 1,816,917; Aug. 4.
Smythe, Robert W., Kohala, assignor to Kohala Pineapple Company, Limited, Mahukona, Hawaii. Adjustable weed cutter, cultivator, and filler. 1,787,877; Jan. 6.
Snadecki, William J., Westover, Va., assignor of one-third to F. L. Pigeon and one-third to R. W. Pigeon, Boston, Mass. Speed boat. 1,811,981; June 30.
Snader, Earl E., Waynesboro, Pa. Automatic temperature controlled refrigerating system. 1,801,371; Apr. 21.
Snader, Ira J., Paterson, N. J. Rotary tool coupling. 1,824,509; Sept. 22.
Snaith, Charles M., et al. (See Shea, John H., assignor.)
Snaman, William E., Pittsburgh, Pa. Floor structure. 1,818,014; Aug. 11.
Snap-On Wrench Company. (See Klein, Walter F., assignor.)
Snare, Frederick, Corporation. (See Litter, Ferdinand J., assignor.)

Snavely, Clarence S., Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. Re18,079; May 19.
Snavely, Clarence S., and H. E. Ashworth, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Method of and apparatus for measuring time intervals. 1,801,291; Apr. 21.
Snediker, Morton O., Chicago, Ill. Heating and ventilating unit. 1,813,261; July 7.
Snediker, Morton O., assignor to Powers Regulator Company, Chicago, Ill. Thermostatic water mixer. 1,819,045; Aug. 18.
Snee, William, and M. Bell, West Elizabeth, Pa. Aeroplane. 1,818,588; Aug. 11.
Sneed, John, Detroit, Mich., assignor to The Midland Steel Products Company. Brake. 1,788,497; Jan. 13.
Sneed, John, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake. 1,824,510; Sept. 22.
Sneed, John, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Unit for flexible conduits. 1,836,822; Dec. 15.
Sneed, John, Ferndale, Mich. Link. 1,824,450; Sept. 22.
Sneed, John, Ferndale, Mich. Tire rod. 1,829,305; Oct. 27.
Sneed, John, Ferndale, Mich. Tie rod. 1,829,306; Oct. 27.
Sneed, John, Ferndale, Mich., assignor to The Midland Steel Products Company, trustee, Cleveland, Ohio. Brake adjuster. 1,789,392; Jan. 20.
Sneed, John Ferndale, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Securing device. 1,791,644; Feb. 10.
Sneed, John, Ferndale, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake. 1,798,360; Mar. 31.
Sneed, John, Ferndale, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Antirattler. 1,798,361; Mar. 31.
Sneed, John, Ferndale, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake. 1,820,255; Aug. 25.
Sneed, John, Ferndale, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake assembly. 1,829,307; Oct. 27.
Sneed, Wellington A., Davenport, Iowa. Safety razor. 1,831,579; Nov. 10.
Sneider, Morris, assignor to The Maryland Company, Baltimore, Md. Overall garment. 1,789,784; Jan. 20.
Snell, Foster D., Brooklyn, N. Y. Plaster and making the same. 1,792,661; Feb. 17.
Snell, George E., et al. (See Clark, Arthur G., assignor.)
Snell, Lyle K., Detroit, Mich. Brake mechanism. 1,805,053; May 12.
Snell, Rex C. (See House, Samuel G., and Snell.)
Snelling, Walter O., Allentown, Pa. Thermostat. 1,811,442; June 23.
Snelling, Walter O., Allentown, Pa. Reduction of yellowing of materials with age. 1,814,344; July 14.
Snelling, Walter O., Allentown, Pa. Treating molten materials. 1,836,196; Dec. 15.
Snelling, Walter O., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Propellant explosive. 1,808,613; June 2.
Snelling, Walter O., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Apparatus and method for testing the effectiveness of protective mediums. 1,811,765; June 23.
Snelling, Walter O., and G. A. Rupp, Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Seismometer. 1,825,554; Sept. 29.
Snelling, Walter O., and J. A. Wyler, Allentown, Pa., assignors to Trojan Powder Company, New York, N. Y. Ammonium nitrate sensitized by amino compounds. 1,827,675; Oct. 13.
Snelling, Walter O., and J. A. Wyler, Allentown, Pa., assignors to Trojan Powder Company, New York, N. J. Stabilization of nitrostarch. 1,835,911; Dec. 8.
Snider, Alden M., Mansfield, Ohio. Automatic electric mixer. 1,814,974; July 14.
Snider, Benjamin E., Hemet, Calif. Trap. 1,831,688; Nov. 10.
Snider, John W., Franklin, Ind. Tomato peeling machine. 1,825,428; Sept. 29.
Snider, Solomon A., Carbondale, Ill., assignor of fifty-one per cent to G. R. Cooper, Kansas City, Mo. Mousetrap. 1,792,774; Feb. 17.
Sniegocki, Anthony F., Oakland, Calif. Razor blade holder. 1,817,023; Aug. 4.
Snodgrass, Benjamin W. (See Jones, Gwilym D., assignor.)
Snodgrass, Benjamin W., Denver, Colo. Conveyer. 1,821,678; Sept. 1.
Snodgrass, Benjamin W., Denver, Colo. Auxiliary unit for mining machines. 1,829,549; Oct. 27.
Snodgrass, Joseph C., assignor of three-eighths to B. R. McKinnie and two-eighths to C. C. Foster, Nashville, Tenn. Liquid fuel supply pump for internal combustion engines. 1,832,589; Nov. 17.
Snook, Clarence G., assignor to The Troy Sunshade Company, Troy, Ohio. Umbrella construction. 1,827,676; Oct. 13.
Snook, Walter B. (See Isenberg, R. A., and Snook.)
Snow, Alexander I., assignor to Riley Stoker Corporation, Worcester, Mass. Automatic stoker. 1,805,641; May 19.
Snow, Benjamin H. (See Nygaard, O., and Snow.)
Snow, Frederick O., jr., Winchester, assignor to Mead-Morrison Manufacturing Company, East Boston, Mass. Tractor. 1,794,332; Feb. 24.
Snow, Harold A., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Tuning device. 1,789,912; Jan. 20.
Snow, Herbert C. (See Cord, E. L., Snow, and Hollister.)
Snow, Isaac, Lawrence, Mass. Slanting horn shuttle. 1,821,729; Sept. 1.
Snow, Norman L. (See Bowers, F., and Snow.)
Snow, Norman L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,790,953; Feb. 3.
Snow, Norman L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,796,900; Mar. 17.
Snow, Norman L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,802,583; Apr. 28.
Snow, Norman L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Air heater. 1,814,011; July 14.
Snow, Norman L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,818,965; Aug. 11.
Snow, Norman L., New Canaan, Conn., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Air heater. 1,814,010; July 14.
Snow, Norman L., New Canaan, Conn., assignor to Diamond Power Specialty Corporation. Detroit, Mich. Boiler cleaner. 1,833,886; Nov. 24.
Snow, Norman L., New Canaan, Conn., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,838,008; Dec. 22.
Snow, Norman L., F. Bowers, and C. L. Howse, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,805,454; May 12.
Snow, Norman L., and C. F. Hirshfeld, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,809,221; June 9.
Snow, Olin. (See Ledder, C., and Snow.)
Snow & Petrelli Manufacturing Company, The. (See Nabstedt, Arthur T., assignor.)
Snow, Philo V., Chicago, Ill. Mounting for antiglare devices. 1,807,760; June 2.
Snow, William B., assignor to Reversible Collar Company, Boston, Mass. Detachable shirt bosom. 1,827,716; Oct. 13.
Snukiskis, Julius, Philadelphia, Pa. Finishing applied lacquer. 1,813,823; July 7.
Snyder, Albert P., Franklinville, N. J. Electric-motor-driven revolving shears. 1,797,028; Mar. 17.
Snyder, Allie A., New York, N. Y. Flowerpot cover. 1,794,212; Feb. 24.
Snyder & Black, Incorporated. (See Viscount, Joseph L., assignor.)
Snyder, Charles E., Silver Lake, Kans. Current deflector. 1,819,305; Aug. 18.
Snyder, Clifford L., assignor to The Evans Auto Loading Co., Inc., Detroit, Mich. Decking device. 1,792,330; Feb. 10.
Snyder, Clifford L., assignor to The Evans Auto Loading Co., Inc., Detroit, Mich. Wheel chock. 1,793,379; Feb. 17.
Snyder, Clifford L., Detroit, Mich., assignor to Evans Products Company. Decking device. 1,812,807; June 30.
Snyder, Clifford L., assignor to The Evans Products Company, Detroit, Mich. Shipping device. 1,813,326; July 7.
Snyder, Clifford L., assignor to Evans Products Company, Detroit, Mich. Temporary hub extension. 1,824,634; Sept. 22.
Snyder, Clifford L., assignor to Evans Products Company, Detroit, Mich. Wheel chock. 1,828,579; Oct. 20.
Snyder, Daniel O., Muncy, Pa. Article support. 1,809,317; June 9.
Snyder Engineering Corporation. (See Snyder, Frank, assignor.)
Snyder, Eugene A. (See Edwinson, Louis A., assignor.)
Snyder, Frank, Huntington, W. Va., assignor, by mesne assignments, to Snyder Engineering Corporation, Wilmington, Del. Washing machine. 1,825,019; Sept. 29.
Snyder, Frank J., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Fluid-pressure core. 1,799,933; Apr. 7.
Snyder, Frank S., Council Bluffs, Iowa. Garment. 1,821,818; Sept. 1.
Snyder, Frederick T., New Canaan, Conn. Making a solid fuel. 1,822,383; Sept. 8.
Snyder, George B. (See Hurst, George P., assignor.)
Snyder, George C., Long Island City, N. Y., assignor to The Guardian Trust Company, Cleveland, Ohio. Box and making the same. 1,818,102; Aug. 11.
Snyder, George C., Elmhurst, N. Y., assignor to The Guardian Trust Company, Cleveland, Ohio. Container closure. 1,837,376; Dec. 22.
Snyder, Harry L., Kansas City, Mo. Display rack. 1,822,175; Sept. 8.
Snyder, Herbert W., and R. B. Krueger, Lima, Ohio. Locomotive steam distribution. 1,826,290; Oct. 6.

Snyder, Homer P., Manufacturing Company. (See Van Valkenburg, Edward S., assignor.)
Snyder, Howard F., assignor to The Maytag Company, Newton, Iowa. Washing machine. 1,789,087; Jan. 13.
Snyder, Howard F., assignor to The Maytag Company, Newton, Iowa. Washing-machine tub. 1,793,522; Feb. 24.
Snyder, Howard F., assignor to The Maytag Company, Newton, Iowa. Driving mechanism for washing machines and the like. 1,803,981; May 5.
Snyder, Howard F., assignor, by mesne assignments, to The Maytag Company, Newton, Iowa. Soaper and brusher for washing machine tubs. 1,826,030; Oct. 6.
Snyder, James E., Kenmore, assignor to Dupont Cellophane Company, Inc., New York, N. Y. Affixing labels. 1,815,365; July 21.
Snyder, Joe, Iroquois, S. Dak. Chicken treater. 1,810,228; June 16.
Snyder, John L., assignor to Standard Churn Company, Wapakoneta, Ohio. Centrifugal honey extractor. 1,825,020; Sept. 29.
Snyder, John M., Fairfield, Ill. Stove closure. 1,827,046; Oct. 13.
Snyder, Louis F. (See Waechter, F. F., and Snyder.)
Snyder, Martin C., Paterson, N. J. Aircraft. 1,813,468; July 7.
Snyder, Orlow C., Long Island City, N. Y. Nut lock. 1,788,750; Jan. 13.
Snyder, Orlow C., Long Island City, N. Y. Nut lock. 1,803,874; May 5.
Snyder, Oscar L., Marysville, Mich., assignor, by mesne assignments, to Continental Aircraft Engine Company. 1,819,391; Aug. 18.
Snyder, Parke T., assignor to V. Bendix, Chicago, Ill. Cylinder head machining fixture. 1,817,400; Aug. 4.
Snyder, Robert W. (See Mass, E. F., and Snyder.)
Snyder, Robert W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Unit method of building tires. 1,792,775; Feb. 17.
Snyder, Robert W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Building tires. 1,792,776; Feb. 17.
Snyder, Robert W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Apparatus for curing tire flaps. 1,797,180; Mar. 17.
Snyder, Robert W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Brake. 1,797,181; Mar. 17.
Snyder, Truman R., Meadville, assignor to Frederick C. Hinkel, Ross Township, Allegheny County, Pa. Mechanical stoker. 1,813,262; July 7.
Snyder, Verne C., Portland, Oreg. Sawdust burner. 1,804,285; May 5.
Snyder, Vernie J., assignor of one-half to E. C. Dearstyne, Albany, N. Y. Grate. 1,795,902; Mar. 10.
Snyder, William U., and W. T. Hess, Kansas City, Mo. Clutch mechanism. 1,820,991; Sept. 1.
Soabar Company. (See Henry, George W. jr., assignor.)
Soans, Cyril A., Wheaton, Ill. Air heater. 1,804,444; May 12.
Soaring Plane Corporation. (See Ramakers, C., and Carsley, assignors.)
Sobczak, Joseph, assignor of one-half to H. La Belle, Duluth, Minn. Fare box. 1,831,781; Nov. 10.
Sobel, Frank, New York, N. Y. Chair. Des. 85,121; Sept. 15.
Sobel, Philip, Saginaw, Mich. Skirt gauge. 1,795,973; Mar. 10.
Sobolik, Edward L., David City, Nebr. Crank case and oil pump heater. 1,816,662; July 28.
Socha, Michael, Chicopee Falls, Mass. Protective device for bank cashiers' or tellers' windows. 1,830,447; Nov. 3.
Societa Alti Forni Fonderie, Acciaierie e Ferriere Franchi-Gregorini. (See Bignami, I., Galassini, Franchi, and Pons, assignors.)
Società Anonima Automobile Ansaldo. (See Cappa, Giulio C., assignor.)
Società Anonima Fonderia Ded Pignone. (See Elia, Giovanni E., assignor.)
Società Anonima Industria Ammoniaca. (See Lopez, Francesco, assignor.)
Societe Anonyme Francaise dite: Societe Technique d'Optique et de Photographie (S. T. O. P.). (See Chretien, Henri, assignor.)
Societa' Invenzioni Brevetti Anomina-Torino. (See Ferretti, Antonio, assignor.)
Società Invenzioni Brevetti Anonima-Torino. (See Severini, Ostilio, assignor.)
Societa Italiana Ernesto Breda per Costrugioni Meccaniche. (See Savani, Luigi, assignor.)
Società Italiana Ernesto Breda Per Costruzioni Meccaniche. (See Soncini, Cesare, assignor.)
Societa Italiana Pirelli. (See Emanueli, Luigi, assignor.)
Società Italiana Pirelli. (See Levi, Tullio G., assignor.)
Societa Italiana Pirelli. (See Pestalozza, Ugo, assignor.)
Societa Italiana Registratori Sir. (See Errera, Attilio, assignor.)
Societe à Responsabilite Limitee R. Delaye & Cie. (See Delay, Raoul L. A., assignor.)
Société Acieries de Gennevilliers. (See Bunet, Paul E., assignor.)
Societe Alsa in Basel. (See Picard, René, assignor.)
Societe Alsacienne De Constructions Mecaniques et al. (See Blomquist, Johan V., assignor.)
Société Alsacienne de Produits Chimiques. (See Mayor, Joland, P. P., assignor.)
Societe Alsacienne de Produits Chimiques. (See Schmidt, Ludwig, assignor.)
Societe Anonyme de Conservation Industrielle du Poisson. (See Reeh, Johannes E. W., assignor.)
Société Anonyme de Fabrication des Tapis a Points Noués "Saftan". (See Venail, Paul, assignor.)
Societe Anonyme d'Ougree Marihaye. (See Bertrand, Maurice, assignor.)
Société Anonyme des Anciens Etablissements Braunstein Freres. (See Braunstein, Roger, assignor.)
Societe Anonyme des Appareils de Manutention et Fours Stein. (See Stein, Charles, assignor.)
Societé Anonyme des Ateliers d'Aviation Louis Breguet. (See Breguet, Louis, assignor.)
Societé Anonyme des Ateliers de Construction & Fonderies de Jeumont (Anciens Etablissements Th. Haut.) (See Escole, Paul J. M., assignor.)
Société Anonyme des Ciments Luxembourgeois. (See Lepersonne, M., and Hastert, assignors.)
Societe Anonyme des Etablissements, A. Oller. (See Olier, André, assignor.)
Societe Anonyme des Etablissements Cuttat. (See Cuttat, Georges, assignors.)
Societe Anonyme des Etablissements Delaunay Belleville. (See Dhome, Alfred, assignor.)
Société Anonyme des Etablissements Piganeau & Co. (See Lauer, Léeon N., assignor.)
Société Anonyme des Etablissements Técalémit. (See Renaud, Henri, assignor.)
Societe Anonyme des Hauts-Pourneaux et Fonderies de Pont-A-Mousson. (See Mathieu, Léon L., assignor.)
Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Boudin, Louis, assignor.)
Société Anonyme des Manufactures des Glaces & Products Chimiques de Saint-Gobain, Chauny & Cirey. (See Hibon, Charles, assignor.)
Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Meyer, Jean, assignor.)
Societe Anonyme des Procedes R., Audubert. (See Audubert, René, assignor.)
Societe Anonyme des Usines Chausson. (See Coquille, Emile H., assignor.)
Societe Anonyme des Usines Renault. (See Saives, Léon, assignor.)
Societe Anonyme d'Ougree Marihaye. (See Voituron, Edmond, assignor.)
Societe Anonyme Ecremeuses Melotte. (See Henrard, Fernand, assignor.)
Société Anonyme Etablissements Ed. Jaeger. (See Rodanet, Charles H. H., assignor.)
Societe Anonyme Etablissements Jules Marchal. (See Kiener, Jean, assignor.)
Societe Anonyme: Etablissements Smeldur, Manufactory of Belts. (See Harmel, Laure, A., born Bradfer, assignor.)
Société Anonyme Francaise Dite: Bricard Ancienne Maison Sterlin. (See Bricard, Roger, assignor.)
Société Anonyme Francaise dite: Bricard, Ancienne Maisor Sterlin. (See Petit, Raymond, assignor.)
Societe Anonyme Francaise dite Societe Technique d'Optique et de Photographic (S. T. O. P.). (See Chretien, Henri, assignor.)
Societe Anonyme Francaise Du Ferodo. (See Bluhm, Alexandre, assignor.)
Societe Anonyme Freins Jourdain Monneret. (See Jourdain, Marie P. R., assignor.)
Societe Anonyme: Imprimerie Paul Brodard et Ateliers Joseph Taupin Reunis. (See Taupin, Joseph, assignor.)
Societe Anonyme La Cooperation Agricole & Industrielle. (See Guiraud, Henri J., assignor.)
Societe Anonyme la Nouvelle Montagne. (See Boscheron Louis, assignor.)
Societe Anonyme "L'Aspiration, Scientifigue." (See Coupard, Christian, assignor.)
Société Anonyme Le Carbone. (See Portail, Fernand C. F., assignor.)
Société Anonyme M. Naef & Co. (See Ruzicka, Leopold, assignor.)
Societe Anonyme Manufacture d'Appareils Graisseurs. (See Steurs, Jean M. M. A., assignor.)
Société Anonyme Pour L'Exploitation Des Procédés Maurice Leblanc-Vickers. (See Darrieus, Georges J. M., assignor.)
Societe Anonyme Premet. (See Mathoux, Joseph, assignor.)
Societe Anonyme: Selbi, Societe d'Exploitation de Licences de Brevets Industriels. (See Metzl, Zdenko, assignor.)
Societe Anonyme Solex. (See Goudard, Maurice, assignor.)
Société Anonyme Trefileries & Maminoirs du Havre, Anciens Etablissements Lazare Weiller, Société Coopérative de Rugles et la Canalisation électrique réunis. (See Drouilly, Eugéne, assignor.)
Societe Appareils Lumineux Annonciateurs et Signalisateurs. (See Bosché, André, assignor.)
Societé Continentale Parker. (See Boulanger, Charles, assignor.)
Societe de Condensation & d'Applications Mecaniques. (See Florisson, Charles L., assignor.)

Societe d'Electricite de la Region de Valenciennes-Anzin. (See Haveaux, Emile, assignor.)
Societe d'Electro-Chimie, d'Electrometallurgie et des Acieries Electriques d'Ugine. (See Lamy, L., Mathieu, and Gagnaux, assignors.)
Société d'Electro-Chimie, d'Electro-Metallurgie et des Aciéries Electriques d'Ugine. (See Mathieu, E., Perrin, Greffe, and Cavalieri, assignors.)
Société d'Emboutissage et de Constructions Mécaniques. (See Amiot, Félix, assignor.)
Société des Brevets Catalex. (See Balachowsky, D., and Caire, assignors.)
Societe des Brevets Catalex. (See Balachowsky, D., Caire, and Lévy, assignors.)
Societe des Etablissements Gaumont. (See Decaux, René, assignor.)
Societe des Moteurs Dugelay. (See Dugelay, Paul, assignor.)
Société des Usines Chimiques Rhône Poulenc. (See Bellone, Alfred F. S., assignor.)
Société de Recherches et d'Exploitations Petroliferes. (See Godel, Albert, assignor.)
Societe d'Études et de Construction d'Appareils de Telemecanique. (See Bernady, Raoul, assignor.)
Societé d'Expansion Technique. (See Devillers, René, assignor.)
Societe D'Exploitation Des Brevets Cotal. (See Cotal, Jean, assignor.)
Societe D'Exploitation Des Brevets Fort. (See Sundre, René, assignor.)
Societe d'Explorations des Textiles Nouveaux. (See Dassonville, Michel, assignor.)
Societe d'Installation de Lumiere et de Force Electriques. (See Morton, André A., assignor.)
Societe de Photochimie "Elka." (See Procoudine-Gorsky, Michel, assignor.)
Societe de Prospection Electrique Procedes Schlumberger. (See Schlumberger, Conrad, assignor.)
Societe Des Anciens Etablissements Siegel & Stockman Reunis. (See Vigneau, Andre, assignor.)
Société des Armes Lewis. (See Reibel, Jean F. J., assignor.)
Societe des Avions Bernard. (See Bechereau, Louis, assignor.)
Societe des Brevete Catalex. (See Balachowsky, D., and Caire, assignors.)
Societe des Moteurs Dugelay. (See Bethenod, Joseph, assignor.)
Societe Des Moteurs Salmson. (See Heinrich, Jean M., assignor.)
Societe Des Procedes "Fit". (See Garabiol, Emile, assignor.)
Société des Téléphones Grammont. (See Lebedinsky, Myron, assignor.)
Societe du Carburateur Zenith. (See Boulade, Antonin, assignor.)
Societe du Carburateur Zenith. (See Heftler, Victor R., assignor.)
Société E. C. & Alexandre Grammont. (See Pelletier, Gabriel, assignor.)
Societe Electrometallurgique de Montricher. (See Miquet, Paul L. J., assignor.)
Societe Francaise des Pompes et Machines Worthington. (See Dugelay, Paul, assignor.)
Société Francaise Radio Electrique. (See Bellini, Ettore, assignor.)
Societe Francaise Radio Electrique. (See Chireix, Henri, assignor.)
Societe Generale des Carburateur Zenith. (See Heftler, Paul E., assignor.)
Societe Generale D'Etudes Industrielles (General Research Corporation), Societe Anonyme. (See Feyens, François, assignor.)
Societe Genevoise d'Instruments de Physique. (See Turrettini, Fernand, assignor.)
Societe Godefroy Freres. (See Godefroy, Henri, assignor.)
Societe Hardoll (Establissements Hariveau & Dolimier, et Rene Porte & Cie. reunis). (See Porte, René, assignor.)
Societe Harle Freres & Cie. (See Harlé, Etienne C. A., assignor.)
Société Industrielle des Procedes W. A. Loth. (See Loth, William A., assignor.)
Societe Internationale des Procedes Prudhhomme Houdry. (See Joseph, Alfred, assignor.)
Societe Internationale Holverta, Societe Anonyme. (See Holle, Alexander A., assignor.)
Société L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude. (See Claude, Georges, assignor.)
Société l'Air Liquide, Société Anonyme pour l'Étude et l'Exploitation des Procédés Georges Claude. (See Gosselin, Albert, assignor.)
Société "La Roue Robur". (See Veyssiere, F., M. Jay, and Mondon, assignors.)
Societe "Le Magnesium Industriel". (See Michel, Gilbert, assignor.)
Societe le Nickel. (See Thurneyssen, Christian, assignor.)
Société Marcas & Dardel. (See Dardel, Marie P. L., assignor.)
Société Metallurgique De L'Ariege. (See Rolland, Louis, assignor.)
Société Nouvelle de l'Orfèvrerie d'Ercuis. (See Hollard, Auguste, assignor.)
Societe of Chemical Industry in Basle. (See Straub, F., and Anderau, assignors.)
Société pour l'Exploitation des Tubes Electro-Frettés. (See Dumat, Clément, assignor.)
Societe Supercimar S. A. (See Cadre, Paul, assignor.)
Societe Textile Twistok. (See Berthier, Jules, assignor.)
Societe Usines Decoufle. (See Danger, Etienne, assignor.)
Society for Visual Education, Inc. (See De Vault, Ralph P., assignor.)
Society Manufacture de Bonneterie de l'Argonne. (See Coury, Joseph, assignor.)
Society of Chemical Industry in Basle. (See Ackermann, F., and Apotheker, assignors.)
Society of Chemical Industry in Basle. (See Arbogast, Adam, assignor.)
Society of Chemical Industry in Basle. (See Bally, O., and Grossmann, assignors.)
Society of Chemical Industry in Basle. (See Bernhard H., and Felix, assignors.)
Society of Chemical Industry in Basle. (See Bommer, M., de Montmollin, Frohlich, Grieshaber, Jaeck, and Felix, assignors.)
Society of Chemical Industry in Basle. (See de Montmollin, Guillaume, assignor.)
Society of Chemical Industry in Basle. (See De Montmollin, G., and Schmid, assignors.)
Society of Chemical Industry in Basle. (See Felix, Friedrich, assignor.)
Society of Chemical Industry in Basle. (See Felix, F., and Jaeck, assignors.)
Society of Chemical Industry in Basle. (See Gams, A., and Widmer, assignors.)
Society of Chemical Industry in Basle. (See Grether, Fritz, assignor.)
Society of Chemical Industry in Basle. (See Gubler, H., de Montmollin, and Spieler, assignors.)
Society of Chemical Industry in Basle. (See Haller, R., and Heckendorn, assignors.)
"Society of Chemical Industry in Basle". (See Hart-Mann, Max, assignor.)
Society of Chemical Industry in Basle. (See Jaeck, Oscar, assignor.)
Society of Chemical Industry in Basle. (See Jaeck, O., and Schütz, assignors.)
Society of Chemical Industry in Basle. (See Jaeck, W., and Lang, assignors.)
Society of Chemical Industry in Basle. (See Mayer, B., and Grimmer, assignors.)
Society of Chemical Industry in Basle. (See Mayer, B., and Siebenbürger, assignors.)
Society of Chemical Industry in Basle. (See Mayer, B., Krauer, and Siebenbürger, assignors.)
Society of Chemical Industry in Basle. (See Mayer, B., and Würgler, assignors.)
Society of Chemical Industry in Basle. (See Miescher, Karl, assignor.)
Society of Chemical Industry in Basle. (See Schmid, M., and Straub, assignors.)
Society of Chemical Industry in Basle. (See Stahel, H., and Straub, assignors.)
Society of Chemical Industry in Basle. (See Steinbuch, E., and Fullemann, assignors.)
Society of Chemical Industry in Basle. (See Straub, F., and Anderau, assignors.)
Society of Chemical Industry in Basle. (See Straub, F., and Mayer, assignors.)
Society of Chemical Industry in Basle. (See Straub, F., Mayer, and Hanhart, assignors.)
Society of Chemical Industry in Basle. (See Straub, F., and Schneider, assignors.)
Society of Chemical Industry in Basle, The Firm. (See Grossmann, Paul, assignor.)
Society "Yacco, S. A. F." (See Dintilhac, Jean G., assignor.)
Socony Burner Corporation. (See Tapp, Harry F., assignor.)
Soderberg, Andrew W. (See Oberg, W. C., and Soderberg.)
Soderberg, Erik A., assignor of one-half to G. Gundersen, Alameda, Calif. Fish cutting machine. 1,807,448; May 26.
Soderberg, Erik A., assignor of one-half to G. Gundersen, Alameda, Calif. Can handling device. 1,821,819; Sept. 1.
Soderberg, John G. (See Lundgren, W. E., and Soderberg.)
Soderberg, Victor L., Detroit, Mich. Fractionally plating objects. 1,794,929; Mar. 3.
Soderberg, Victor L., Detroit, Mich. Die for die casting and making the same. 1,809,872; June 16.
Sodergren, Eric, Sierra Madre, Calif. Regulator for windows and doors. 1,794,477; Mar. 3.
Sodergren, Eric, Sierra Madre, Calif. Gauging instrument for miter boxes. 1,799,605; Apr. 7.
Sodergren, Eric, Sierra Madre, Calif. Stop means for miter boxes. 1,799,606; Apr. 7.
Sodergren, Eric, Sierra Madre, Calif. Work support. 1,799,607; Apr. 7.
Sodergren, Eric, Sierra Madre, Calif. Work holding device for miter boxes. 1,805,022; May 12.
Soderquist, Arthur R., Idaho Falls, Idaho. Locking key for closure plugs. 1,810,795; June 16.
Soderstrom, Floyd. (See De Noya, Everett A., assignor.)
Soeffker, John H., Arlington, Minn. Snow fence lifter. 1,819,445; Aug. 18.

Soehner, Andreas, Westwood, N. J. Sample tab card. 1,829,308; Oct. 27.
Soehner, John D. (See Bennett, I. T., and Soehner.)
Soepnel, André P. J., and W. H. Stighter, Eindhoven, H., Netherlands, assignors to General Electric Company. Wire-feeding mechanism. 1,801,119; Apr. 14.
Soffel, Alberta L., Los Angeles, Calif. Display cabinet. 1,835,350; Dec. 8.
Sohn, Erwin, and R. J. Paddock, Bellevue, assignors to Standard Sanitary Mfg. Co., Pittsburgh, Pa. Chromium plating. 1,815,081; July 21.
Sohn, John, Deadwood, S. Dak. Sandal. 1,805,728; May 19.
Sohst, Otto, Hochst-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New azo dyestuffs and preparing them. 1,815,133; July 21.
Sokoloff, Boris N., Washington, D. C. Electromagnet. 1,817,592; Aug. 4.
Sokoloff, Boris N., Rosendale, N. Y., assignor to Federal Telegraph Company, San Francisco, Calif. Method of and apparatus for amplifying weak electric currents. 1,810,539; June 16.
Solá, Casimiro H., Barcelona, Spain. Machine for undulating wire. 1,811,098; June 23.
Solar Aircraft Company. (See Lewis, W. L., and Rohr, assignors.)
Solar Aircraft Company. (See Rohr, Frederick H., assignor.)
Solar Industries, Inc. (See Russell, Thomas C., assignor.)
Soldan, Otto. (See Weeber, O., and Soldan.)
Solar Refining Company, The. (See Werkenthin, Theodore A., assignor.)
Soldan, Lewis E. (See Behnke, G. W., and Soldan.)
Soldenhoff, Alexander, Zurich, Switzerland. Wing for aeroplanes. 1,817,275; Aug. 4.
Solder, Louis M. (See Podgorski, M. E., and Solden.)
Solem, Peter A., Rockford, Ill. Motor control box for sanders. 1,801,617; Apr. 21.
Solenberger, Dean M. (See Sherbondy, Earl H., assignor.)
Soler, Carlos, Habana, Cuba, assignor to International Communications Laboratories, Inc., New York, N. Y. Synchronizing system for electric clocks. 1,834,293; Dec. 1.
Solid Carbonic Company Ltd, The. (See Thomas Norman M., assignor.)
Solidon Products Inc. (See Gross, Russell C., assignor.)
Solidon Products, Inc. (See Lukens, Hiram S., assignor.)
Solidon Products, Inc. (See Lukens, H. S., and Smith, assignors.)
Sollenberger, Arlen R., Fairbury, Nebr. Fence post. 1,792,331; Feb. 10.
Sollie, Sigurd A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Control of light rays. 1,787,647; Jan. 6.
Solomon, A. P., jr., et al. (See McLendon, Alex M., assignor.)
Solomon, Joseph B., Oakland, Calif. Window safety lock. 1,838,713; Dec. 29.
Solomon, Louis W., Pittsburgh, Pa. Bottle protector. 1,789,848; Jan. 20.
Solomon, Maurice, Yonkers, N. Y. Cap. 1,807,180; May 26.
Solomon, Nat L., Brooklyn, N. Y. Hair net. Des. 84,553; June 30.
Solomon, Nat L., Brooklyn, N. Y. Hair net. 1,813,897; July 7.
Solomon, Samuel D., Lansing, Mich. Method and apparatus for placing road beds or foundations in sink holes. 1,837,498; Dec. 22.
Solomon, Thomas N., Detroit, Mich. Rapid cutting machine. 1,800,482; Apr. 14.
Solon, Léon V., New York, N. Y. Gas-burner unit. Des. 83,357; Feb. 17.
Solon, Léon V., New York, N. Y. Bathtub. Des. 83,416; Feb. 17.
Solon, Léon V., assignor to Robertson Art Tile Co., Trenton, N. J. Producing designs on tile. 1,826,262; Oct. 6.
Solon, Léon V., Trenton, N. J., assignor to Robertson Art Tile Co., Trenton, N. J. Cap tile. 1,833,442; Nov. 24.
Sölter, Hugo, and H. Cornelius, assignors to Eisenwerk Weserhütte Aktiengesellschaft, Bad Oeynhausen, Germany. Cable laying machine and laying cable. 1,829,162; Oct. 27.
Soliesz, Nick, Toledo, Ohio, assignor to Handy Table Set Company, West Allis, Wis. Article of furniture. Des. 18,207; Sept. 22.
Solvay Process Company. (See Conklin, Earl B., assignor.)
Solvay Process Company. (See Sundstrom, C., and Lykes, assignors.)
Somajni, Giacomo, Milan, Italy. Control of direct-current motors. 1,791,848; Feb. 10.
Somajni, Giacomo, Milan, Italy. Remote-control apparatus. 1,798,044; Mar. 24.
Somajni, Giacomo, Milan, Italy. Electric control apparatus. 1,825,100; Sept. 29.
Somajni, Giacomo, Milan, Italy. Electric control apparatus. 1,832,146; Nov. 17.
Sombco, Inc. (See Bornstein, Joseph, assignor.)
Somers, Louis E., assignor to the W. H. Kratzer Company, Detroit, Mich. Device for cleaning furnaces. 1,798,911; Mar. 31.
Somers, Roy B., Zeeland, Mich. Hygrometer. 1,809,426; June 9.
Somersalo, Georges A. (See Weagant, R. A., and Somersalo.)
Somersalo, George A., New York, N. Y. System of selective signaling. 1,811,443; June 23.
Somersalo, George A., New York, N. Y. Preventing retroactive effects in audion amplifier circuits. 1,813,775; July 7.
Somersgale, Charles W., and J. A. Belile, Montevideo, Uruguay. Electromagnetic selector device. 1,805,021; May 12.
Somerville, Albert A., Flushing, assignor to R. T. Vanderbilt Company, New York, N. Y. Vulcanization of rubber. 1,791,876; Feb. 10.
Somerville, George H., et al. (See Bounds, Orville T., assignor.)
Somerville, Ian C., Cheltenham, Pa., assignor to Rohm & Haas Company. Sulphonation products. 1,801,461; Apr. 21.
Somerville, Ian C., Fox Chase, Pa., assignor to Rohm & Haas Company. Long chain amine salts. 1,836,047; Dec. 15.
Somerville, Ian C., Fox Chase, Pa., assignor to Rohm & Haas Company. Salts of tertiary N-di-alkyl derivatives of long chain amines. 1,836,048; Dec. 15.
Sommer, August, Wurttemberg, Germany. Wood bending machine. 1,833,267; Nov. 24.
Sommer, Friedrich, assignor to Firm Carl Still, Recklinghausen, Germany. Obtaining ammonia as ammonium sulphate from gases. 1,837,079; Dec. 15.
Sommer, J. L., Manufacturing Company. (See Harding, Thomas, assignor.)
Sommer, Samuel, San Francisco, Calif. Hair clamping device. 1,833,056; Nov. 24.
Sommer, William H. (See Bailey, Charles F., assignor.)
Sommer, William H., Peoria, Ill. Article of manufacture. 1,801,292; Apr. 21.
Sommer, William H., Peoria, Ill. Barb wire machine. 1,821,730; Sept. 1.
Sommer, William H., Peoria, Ill. Fence structure. 1,821,731; Sept. 1.
Sommerbeck, Adolph G., Chicago, Ill., assignor to Kex Company, Incorporated, St. Louis, Mo. Repairing punctured tires. 1,811,656; June 23.
Sommerfeld, Leonhart F., Canton, assignor of one-third to H. G. Rolf, McPherson, Kans. Alfalfa loader. 1,834,477; Dec. 1.
Sommers, Albert L., and T. B. Russell, Chicago, Ill. Trolley pole head structure. 1,804,067; May 5.
Sommers Bros. (See Sommers, Sylvester A., assignor.)
Sommers, Sylvester A., Frankenmuth, assignor to Sommers Bros. Appliance Co., Saginaw, Mich. Stool. 1,793,521; Feb. 24.
Sommers, Sylvester A., Frankenmuth, assignor to Sommers Bros. Appliance Co., Saginaw, Mich. Leg fastening for stools and the like. 1,828,550; Oct. 20.
Soncini, Cesare, Brescia, assignor to Società Italiana Ernesto Breda Per Costruzioni Meccaniche, Milan, Italy. Automatic firearm having a recoiling barrel and an amplifying push lever. 1,809,322; June 9.
Sondermann & Co. (See Spindler, Paul, assignor.)
Songey, Sylvester E., Chicago, Ill. Bolt. 1,815,422; July 21.
Sönichsen, Francis, F. A. Frisch, and H. A. Nicolaysen, Oslo, Norway. Manufacture of tubes and pipes. 1,808,122; June 2.
Sonnefeld, August, assignor to the Firm of Carl Zeiss, Jena, Germany. Photographic lens. 1,825,828; Oct. 6.
Sonnenfeld, Hugo, Bratislava, Czechoslovakia. Electric cable. 1,838,332; Dec. 29.
Sonnemann, William K., Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company. System of alternating current distribution. 1,834,432; Dec. 1.
Sonnen, Henry V., Jamaica, N. Y. Apparatus for waving or curling hair. 1,829,970; Nov. 3.
Sonnenberg, Edward N., Brooklyn, N. Y. Textile fabric. Des. 83,071; Jan. 13.
Sonoco Products Company. (See Dunlap, Charles K., assignor.)
Sonoco Products Company. (See Forney, Clarence H., assignor.)
Sonora Manufacturing Corporation. (See Hutchison, Miller R., jr., assignor.)
Sonotone Corporation. (See Lieber, Hugo, assignor.)
Sons-Cunningham Reed & Rattan Co. (See Jones, Charles W., assignor.)
Sonsteness, Thorne, Pontiac, Mich. Aeroplane. 1,831,203; Nov. 10.
Soo, Frank, Charles, Ill. Safety window. 1,790,880; Feb. 3.
Sopchack, Carl, New Kensington, Pa. Sewing awl. 1,790,492; Jan. 27.
Soper, Raymond H., assignor to Browne-Morse Company, Muskegon, Mich. Furniture top. 1,815,167; July 21.
Sopkin, Harry, and B. H. Gorman, Chicago, Ill. Power unit. 1,801,939; Apr. 21.
Soprani, Mario Castelfidardo, Italy. Sound action for accordians, harmonicas, and like instruments. 1,812,760; June 30.
Sopronyi, Julius, Budapest, Hungary. Bathing box. 1,789,088; Jan. 13.
Sorbo Rubber Sponge Products Limited. (See Howard, Harold A., assignor.)
Sordelett, Frank L., Richmond, Va. Shoe stretcher. 1,792,192; Feb. 10.
Sords, Otto E., Cuyahoga Falls, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire casing spreading machine. 1,811,284; June 23.

Soref, Harry E., Milwaukee, Wis. Display stand. 1,820,841; Aug. 25.
Soren, Townsend H., Hartford, Conn., assignor to General Electric Company. Electric switch cell structure. 1,809,735; June 9.
Sorensen, Andrew J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 1,787,550; Jan. 6.
Sorensen, Andrew J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,806,092; May 19.
Sorensen, Andrew J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus responsive to the passage of railway vehicles. 1,806,093; May 19.
Sorensen, Andrew J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,819,271; Aug. 18.
Sorensen, Andrew J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,824,577; Sept. 22.
Sorensen, Andrew J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Highway crossing signal. 1,834,077; Dec. 1.
Sorensen, Charles E., Detroit, assignor to Ford Motor Company, Fordson, Mich. Conveyer. 1,821,119; Sept. 1.
Sorensen, Clarance S., Los Angeles, Calif. Compressor. 1,822,064; Sept. 8.
Sorensen, Clarence T. (See Chadwick, L. S., and Sorensen.)
Sörensen, Einar F., Stockholm, and N. E. E. Sorensen, Savenas Per Gottenborg, Sweden. Lumber positioning mechanism. 1,824,381; Sept. 22.
Sorensen, Hans P., Port Chester, N. Y. Safety means for gas apparatus. 1,834,186; Dec. 1.
Sorensen, Henry, San Francisco, Calif. Support for initially-tensioned reenforcements. 1,793,196; Feb. 17.
Sorensen, Henry, San Francisco, Calif. Initially-tensioned reenforced concrete structure. 1,794,425; Mar. 3.
Sorensen, Henry, San Francisco, Calif. Reenforced concrete dam. 1,816,797; July 28.
Sorensen, John, Ravenna, Ohio. Producing coupling flanges. 1,817,854; Aug. 4.
Sorensen, Niels C., Detroit, Mich. Wall construction. 1,798,280; Mar. 31.
Sorensen, Niels E. E. (See Sörensen, Einar F. and N. E. E.)
Sorensen, Sam, assignor, by mesne assignments, to Gearench Manufacturing Company, Houston, Tex. Chain tongs. 1,792,402; Feb. 10.
Sorensen, Sam, and J. A. Peterson, assignors to Gearench Manufacturing Company, Houston, Tex. Chain tongs. 1,792,401; Feb. 10.
Sorenson, Lee S. (See Borgo, M. P., and Sorenson.)
Sorenson, Melvin, Reynolds, N. Dak. Automatic crank pin oiler. 1,804,236; May 5.
Soreny, Ernest, New York, N. Y. Liquid-soap-dispensing device. 1,792,513; Feb. 17.
Soreny, Ernest, New York, N. Y. Manicuring appliance. 1,816,876; Aug. 4.
Sorge, Doris Wylde Green, near Birmingham, England. Picture, decorative panel and surface plaque, and the like. 1,802,448; Apr. 28.
Sorge, Joachim. (See Gaarz, W., Sorge, and Schleicher.)
Soriente, Alfonso, Brooklyn, N. Y. Cane construction. 1,791,939; Feb. 10.
Sorrells, Hettie J., Wichita, Kans. Numeral plate for dial telephones. 1,823,958; Sept. 22.
Sortore, Emerson J., Metuchen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph coupon printer. 1,801,884; Apr. 21.
Sosinski, Paul P., assignor to The Union Switch & Signal Company, Swissvale, Pa. Alternating current relay employing a motor element. 1,807,349; May 26.
Sosinski, Paul P., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electromagnet. 1,825,482; Sept. 29.
Soss, Joseph, Brooklyn, N. Y. Concealed hinge. 1,797,802; Mar. 24.
Soss, Joseph, Brooklyn, N. Y. Hinge. 1,824,451; Sept. 22.
Soss, Joseph, Roselle, N. J. Manufacturing hinge butts. 1,830,006; Nov. 3.
Soss Manufacturing Company. (See Schwartz, Francis H., assignor.)
Soss, Mark, Spokane, Wash. Fountain brush. 1,818,280; Aug. 11.
Soss, Mark, Spokane, Wash. Vibrator fountain brush. 1,818,281; Aug. 11.
Soss, Mark, Spokane, Wash. Drying and cleaning brush. 1,818,282; Aug. 11.
Soss, Mark, Spokane, Wash. Lawn mower. 1,827,116; Oct. 13.
Sosy, Inc. (See Leventhal, Mitchell, assignor.)
Sothen, Albert L., Chicago, Ill. Toe and foot supporter and ballet-shoe form-retainer. 1,836,624; Dec. 15.
Sottiaux, Jules L., Peoria, Ill. Terminal connecter for batteries. 1,834,475; Dec. 1.
Soubier, Leonard D. (See Rule, J. F., and Soubier.)
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Method and apparatus for feeding molten glass. 1,789,480; Jan. 20.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Automatic temperature control for glass. 1,802,789; Apr. 28.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glass feeder. 1,810,736; June 16.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Machine for forming glassware. 1,834,433; Dec. 1.
Soubier, Leonard D., Toledo, assignor to Owens-Illinois Glass Company, Toledo, Ohio. Apparatus for working molten glass. 1,834,478; Dec. 1.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,835,351; Dec. 8.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Glassware forming machine. 1,838,161; Dec. 29.
Soubier, Leonard D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Apparatus for producing tubular glass. 1,838,162; Dec. 29.
Soucy, Joseph F., Lowell, Mass. Metal fence. 1,811,370; June 23.
Souder, Vernon G. (See Trix, H. B., Metzger, and Souder.)
Souder, Vernon G., assignor to American Injector Company, Detroit, Mich. Windshield mounting. 1,797,801; Mar. 24.
Souder, William H., Washington, D. C. Bowling pin. 1,821,037; Sept. 1.
Souders, William E., Cincinnati, Ohio. Window shade roller and curtain bracket. 1,825,101; Sept. 29.
Soulé, Edward L., Berkeley, Calif. Floor form and support. 1,836,197; Dec. 15.
Soule, George M., assignor to The Plow-Mate Inc., Cleveland, Ohio. Soil pulverizer. 1,820,096; Aug. 25.
Soule, Jesse R. Tiefa, and E. Walsh, Denver, Colo. Concrete-step form. 1,787,799; Jan. 6.
Soule, Lawrence C., Essex Fells, assignor to Carrier Construction Company, Inc., Newark, N. J. Heat exchange device. 1,832,147; Nov. 17.
Soule, Roland P., assignor to Combustion Utilities Corporation, New York, N. Y. Germicide and insecticide. 1,809,255; June 9.
Soule Steel Company. (See Kullmer, Frank, assignor.)
Soulis, Wilbur T., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Receptacle. 1,798,339; Mar. 31.
Soults, Thomas A., assignor to Sterling Range and Furnace Corporation, Rochester, N. Y. Gas oven construction. 1,808,866; June 9.
Soundex Corporation, The. (See Fuller, Richard B., assignor.)
Soupal, Wilhelm, Matzelsdorf, near Neulengbach, Austria. Valve. 1,823,006; Sept. 15.
Sourby, John R. (See Forby, T., and Sourby.)
Sousa, John R., Washington, D. C. Parcel assorting apparatus. 1,838,460; Dec. 29.
Soustre, Jean A., Cendrieux, France. Knife adapted for multiple uses and comprising a monkey wrench. 1,811,982; June 30.
Souter, Edward W., assignor of one-half to G. F. Moerman, San Luis Obispo, Calif. High-pressure boiler. 1,794,801; Mar. 3.
Southard, George L., Franklin, Pa. Lubricating compound. 1,804,124; May 5.
South Bend Bait Company. (See Jordan, William M., assignor.)
South Bend Bait Company, The. (See Pagin, John B., assignor.)
South Bend Bait Company. (See Rodgers, Claude M., assignor.)
South Bend Current Controller Company. (See Wescott, Dana E., assignor.)
Southborough, Lord. (See Cross, Walter M., assignor.)
Souther, Benjamin L. Pittsburgh, and William A. Gruse, Wilkinsburg, assignors to Gulf Refining Company, Pittsburgh, Pa. Treatment of petrolatum stocks. 1,813,327; July 7.
Southerland, H. O., et al. (See Fells, Joseph M., assignor.)
Southern, Gladys R., guardian. (See Southern, Hugh A., incompetent.)
Southern, Hugh A., Los Angeles, incompetent; G. R. Southern, guardian, Inglewood, Calif., assignor to Mergenthaler Linotype Company. Typographical composing machine. 1,816,094; July 28.
Southern Iron & Equipment Co. (See Teeple, Frank A., jr., assignor.)
Southern, Joseph H., Redcar, England. Fireproof floor. 1,810,149; June 16.
Southern Prison Company. (See Hart, H. S., and White, assignors.)
Southern Prison Company. (See White, L. J., and Pegues, assignors.)
Southern Prison Company. (See White, L. J., and Youngblood, assignors.)
Southern Prison Company. (See White, Lloyd J., assignor.)
Southern States Equipment Co. (See Lemmon, George N., assignor.)
Southern States Iron Roofing Company. (See Fulenwider, H., and Norris, assignors.)
Southern Wood Preserving Company. (See White, William E., assignor.)
Southington Hardware Company, The. (See Billington, Samuel, assignor.)
South Tamworth Industries, Inc. (See Davis, Ira G., assignor.)

Southwark Foundry & Machine Company. (See Dinzl, Richard W., assignor.)
Southwark Foundry & Machine Company. (See Schranz, Frederick G., assignor.)
South West Box Company et al. (See Witte, James G., assignor.)
Southwestern Engineering Corporation. (See Steere, Clarence E., assignor.)
Southworth Company. (See Brown, Howard, assignor.)
Southworth, George C., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Amplifier for short electric waves. 1,796,486; Mar. 17.
Sovine, Tony F., Flint, Mich. Electric conduit connecter. 1,821,362; Sept. 1.
Sowada, Paul, Yonkers, N. Y., assignor, by mesne assignments, to Welte-Tripp Organ Corporation. Organ-swell-control mechanism. 1,796,222; Mar. 10.
Sowers, Ray V., Muncie, Ind. Beating implement. 1,831,040; Nov. 10.
Soyez, Emile, Paris, France. Dispensing receptacle. 1,794,344; Feb. 24.
Spackman, George D., assignor to Lukens Steel Company, Coatesville, Pa. Former for spinning machines. 1,789,455; Jan. 20.
Spackman, Thomas F., assignor to Stewart-Warner Corporation, Chicago, Ill. Vacuum fuel-feeding device. 1,788,961; Jan. 13.
Spacsek, Frank A., Utica, N. Y. Sled attachment for automobiles. 1,825,133; Sept. 29.
Spadone, Charles C. (See Spadone, Walter W. and C. C.)
Spadone, Walter W., New York, and C. C. Spadone, Rockville Center, N. Y. Cutting and stripping machine. 1,804,034; May 5.
Spafford, Allen L., assignor to Wood Conversion Company, Cloquet, Minn. Manufacture of distended fibrous masses. 1,821,856; Sept. 1.
Spafford, Lewis B., Chicago, Ill. Game apparatus. 1,828,091; Oct. 20.
Spahn, August C., assignor to Bernardin Bottle Cap Company, Evansville, Ind. Closure cap. 1,816,499; July 28.
Spahn, Charles A., Newark, N. J. Tooth band. 1,794,213; Feb. 24.
Spahn, Hilbert C., Kewanee, Ill. Motor supporting stand. 1,834,294; Dec. 1.
Spahr, Howard A., Milwaukee, Wis. Electric switch. 1,810,931; June 23.
Spahr, Oral F., assignor to Enterprise Optical Mfg. Co., Chicago, Ill. Arc lamp. 1,810,299; June 16.
Spaine, Edward P., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Cam and follower mechanism. 1,832,665; Nov. 17.
Spalding, A. G., & Bros. (See Gammeter, John R., assignor.)
Spalding, A. G., & Bros. (See Glahe, Fred, assignor.)
Spalding, A. G., & Bros. (See Hart, Henry R., assignor.)
Spalding, A. G., & Bros. (See Mullins, Robert T., assignor.)
Spalding, A. G., & Bros. (See Reach, Milton B., assignor.)
Spalding, A. G., & Bros. (See Reach, William F., assignor.)
Spalding, Thomas A., assignor of one-half to O. A. Deichmann, Sacramento, Calif. Electric heating and ventilating furnace. 1,829,765; Nov. 3.
Spalding, William L., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Separation of liquids and solids. 1,800,965; Apr. 14.
Spalding, William L., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Treatment of indoxyl. 1,827,828; Oct. 20.
Spanbauer, Frank, North Kansas City, Mo. Rose. Pl. Pat. 2; Oct. 13.
Spanel, Abraham N., Rochester, N. Y. Treating articles. 1,817,530; Aug. 4.
Spanel, Abraham N., Rochester, N. Y. Treating articles. 1,817,531; Aug. 4.
Spanel, Abraham N., Rochester, N. Y. Treating fabrics. 1,817,532; Aug. 4.
Spanel, Abraham N., Rochester, N. Y. Treating fabrics. 1,817,533; Aug. 4.
Spanel, Abraham N., Rochester, N. Y. Device for treating articles. 1,817,534; Aug. 4.
Spanel, Abraham N., Rochester, N. Y. Disinfecting and aerating device. 1,817,535; Aug. 4.
Spanel, Abraham N., Rochester, N. Y. Fumigating and disinfecting articles. 1,817,536; Aug. 4.
Spanel, Abraham N., Rochester, N. Y., Multiple nozzle vacuum cleaner. 1,819,131; Aug. 18.
Spang, Chalfant & Company. (See Burnish, Howard J., assignor.)
Spang, Chalfant & Company. (See Eaton, George M., assignor.)
Spang and Company. (See Lidderdale, Arthur E., assignor.)
Spang and Company. (See Spang, Ferdinand J., assignor.)
Spang and Company. (See Spang, George A., assignor.)
Spang, Ferdinand J., assignor to Spang and Company, Butler, Pa. Making drill bits. 1,798,229; Mar. 31.
Spang, George A., assignor to Spang and Company, Butler, Pa. Well packer. 1,804,818; May 12.
Spangler, Charles H., assignor to Metropolitan Edison Company, Reading, Pa. Safety detector device for pin insulators. 1,831,372; Nov. 10.
Spangler, John M., Merryflat, Saskatchewan, Canada. Hay stacker. 1,798,045; Mar. 24.
Spängler, Ludwig, Vienna, Austria. Brake system for electrically operated vehicles. 1,833,443; Nov. 24.
Spangler, William I., Tarlton, Ohio. Gear transmission. 1,800,876; Apr. 14.
Spanier, Fritz, Karlsruhe, Germany. Sectional wedge. 1,806,718; May 26.
Spankus, Harry O., Milwaukee, Wis. Bird-food pendant. Des. 83,358; Feb. 17.
Spann, Floyd M., et al. (See Stephens, Thomas J., assignor.)
Spanner, Hans-Joachim. (See Meyer, F., and Spanner.)
Spanovic, Ninko, Duquesne, Pa. Airplane. 1,832,254; Nov. 17.
Spare, Alexander T., Chicago, Ill. Folding box. 1,826,962; Oct. 13.
Sparhawk, Charles E., Auburn, Wash. Protector for shoulders. 1,837,499; Dec. 22.
Sparkes, Harry P., Pittsburgh, Pa. Igniter. 1,823,217; Sept. 15.
Sparkes, Harry P., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Stroboscopic testing of watthour meters. 1,788,127; Jan. 6.
Sparkes, Harry P., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Meter device. 1,798,710; Mar. 31.
Sparkless Cleaner Company. (See Kritchevsky, W., and Morrill, asignors.)
Sparkletts Bottled Water Corporation. (See Washburne, Arthur L., assignor.)
Sparks, Albert F., assignor to The James Leffel & Company, Springfield, Ohio. Hydraulic turbine bearing: cooling mechanism. 1,816,237; July 28.
Sparks, Charles F., St. Louis, Mo. Bag turning apparatus. 1,805,111; May 12.
Sparks, Charles F., St. Louis, Mo. Apparatus for manufacturing bags. 1,805,112; May 12.
Sparks, Charles F., St. Louis, Mo. Bag turning apparatus. 1,805,432; May 12.
Sparks, Charles F., St. Louis, Mo. Bag turning apparatus. 1,828,881; Oct. 27.
Sparks, Jay G., assignor of one-fifth to M. Childress, one-fifth to H. J. Childress, one-fifth to A. W. Martin, and one-fifth to B. P. Goad, Clincho, Va. Miner's pick. 1,791,688; Feb. 10.
Sparks, Robert M., Daytona Beach, Fla. Electrical heating device. 1,820,842; Aug. 25.
Sparks, Stanley W., Summit, N. J., assignor to The Columbus Machine Company, Columbus, Ohio. Valve superstructure. 1,788,000; Jan. 6.
Sparks, Stanley W., Summit, N. J., assignor to The Columbus Machine Company, Columbus, Ohio. Gate valve and making the same. 1,828,478; Oct. 20.
Sparks, William. (See Scofield, T. J., Johnson, Billig, and Sparks.)
Sparks, William G. (See Rock, M. C., Sparks, and Chapman.)
Sparks-Withington Company, The. (See Kayko, Charles J., assignor.)
Sparks-Withington Company, The. (See Scofield, Theodore J., assignor.)
Sparks-Withington Company, The. (See Scofield, T. J., and Johnson, assignors.)
Sparks-Withington Company, The. (See Scofield, T. J., Johnson, Billig, and Sparks, assignors.)
Sparks-Withington Company, The. (See Scofield, T. J., and Owen, assignors.)
Sparks-Withington Company, The. (See Scofield, T. J., and White, assignors.)
Sparks-Withington Company, The. (See Scofield, T. J., White, and Hammond, assignors.)
Sparr, Robert, assignor to Abercrombie & Fitch Company, New York, N. Y. Telescopic rifle sight mounting. 1,835,576; Dec. 8.
Sparrow, Frederick, assignor of one-half to A. A. Mathews and H. M. Mathews, Los Angeles, Calif. Connection for battery terminals or the like. 1,838,024; Dec. 22.
Spase, Charles B., Syracuse, N. Y. Antirattle sliding gear assembly. 1,813,209; July 7.
Spase, Charles B., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission mechanism. 1,790,285; Jan. 27.
Spase, Charles B., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Vibrationless clutch construction. 1,803,077; Apr. 28.
Spatta, George. (See Mogford, E. C., and Spatta.)
Spatta, George, assignor to Clark Equipment Company, Buchanan, Mich. Making wheels. 1,828,155; Oct. 20.
Spatta, George, assignor to Clark Equipment Company, Buchanan, Mich. Making wheels. 1,828,156; Oct. 20.
Spatta, George, assignor to Clark Equipment Company, Buchanan, Mich. Making wheels. 1,828,157; Oct. 20.
Spatta, George, assignor to Clark Equipment Company, Buchanan, Mich. Making wheels. 1,828,158; Oct. 20.
Spatta, George, assignor to Clark Equipment Company, Buchanan, Mich. Making wheels. 1,828,159; Oct. 20.
Spatta, George, assignor to Clark Equipment Company, Buchanan, Mich. Machine and method of flattening flanges of banjo frames. 1,830,488; Nov. 3.
Spatz, Samuel B., Upper Tulpehocken Township, Berks County, Pa. Draft regulator. 1,802,160; Apr. 21.
Spaugh, Charles A., Durham, Okla. Fence wire connection. 1,811,216; June 23.
Spaugh, Charles A., Durham, Okla. Fence post brace. 1,811,217; June 23.

Spaugh, Charles A., Durham, Okla. Fence panel coupling. 1,811,335; June 23.
Spaugh, Charles A., Durham, Okla. Gate. 1,811,810; June 23.
Spaulding, Arthur W., Oakland, Calif. Tubing machine. 1,800,703; Apr. 14.
Spaulding, Eugene A., Portland, Me. Humidifier. 1,808,183; June 2.
Spaulding Fibre Company. (See Lancey, Roswell A., assignor.)
Spaulding, Lewis D., M. D., M. F., and L. G, Springfield, Ill. Rotary bunching and conveyor machine. 1,797,379; Mar. 24.
Spaulding, Lewis G. (See Spaulding, Lewis D., M. D., M. F., and L. G.)
Spaulding, Malcolm F. (See Spaulding, Lewis D., M. D., M. F., and L. G.)
Spaulding, Mercer D. (See Spaulding, Lewis D., M. D., M. F., and L. G.)
Spaulding, Milo H., Bozeman, Mont. Initiating apparatus. 1,801,885; Apr. 21.
Spayde, Harwood H., Des Moines, Iowa. Fountain pen. 1,794,651; Mar. 3.
Speaker, John W., assignor to American Gas Machine Company, Albert Lea, Minn. Stove. Des. 85,496; Nov. 3.
Speaker, John W., and A. Selsemeyer, Whitefish Bay, Wis. Aerial eliminator. 1,828,910; Oct. 27.
Speakman Company. (See Fraser, James, assignor.)
Speakman, Walter F., and G. E. Crockett, Drumright, Okla. Derrick-leg clamp. 1,791,107; Feb. 3.
Spear, Albert E. (See MacGregor, L. B., and Spear.)
Spear, Ellwood B., Pittsburgh, and R. L. Moore, Mount Lebanon, assignors to Thermatomic Carbon Company, Pittsburgh, Pa. Rubber composition and process of making. 1,794,558; Mar. 3.
Spear, Jay P., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for supporting and handling objects. 1,815,218; July 21.
Spear, Lawrence Y., New London, assignor to Electric Boat Company, Groton, Conn. Mine laying submarine. 1,801,986; Apr. 21.
Spear, Lawrence Y., New London assignor to Electric Boat Company, Groton, Conn. Ferry boat propelling means. 1,802,931; Apr. 28.
Spear, Lawrence Y., New London, assignor to Electric Boat Company, Groton, Conn. Rescue car. 1,802,932; Apr. 28.
Spear, Lawrence Y., New London, assignor to Electric Boat Company, Groton, Conn. Rescue submarine. 1,814,642; July 14.
Spear, Walter A., assignor to The Cincinnati Victor Company, Cincinnati, Ohio. Ventilating fan. 1,792,514; Feb. 17.
Specht, Franz. (See Weise, P., and Specht.)
Specht, Norbert, Oranienburg, near Berlin, Germany, assignor, by mesne assignments, to Krebs Pigment and Color Corporation, Newark, N. J. Treating ores of titanium containing chromium and recovering the sulphuric acid. 1,827,691; Oct. 13.
Specht, Norbert, Berlin-Oranienburg, Germany, assignor, by mesne assignments, to Krebs Pigment and Color Corporation, Newark, N. J. Manufacture of a brown pigment containing titanium from sludge of titanium. 1,832,666; Nov. 17.
Speciale, Michael, New York, N. Y. Clock. 1,807,497; May 26.
Specialties Manufacturing Company. (See McCoy, Harry E., assignor.)
Specialty Automatic Machine Company. (See La Bombard, L. E., and Sidebotham, assignors.)
Specialty Automatic Machine Company. (See Sidebotham, Melvin H., assignor.)
Specialty Brass Company. (See Namur, Joseph, assignor.)
Specialty Engineering Company. (See Pfeiffer, Charles G., assignor.)
Speck, Beatrice S. (See Teodorini, Osmond, assignor.)
Speck, John P., assignor to The Tiffin Art Metal Co., Tiffin, Ohio. Device for securing poster-panel sections. 1,789,849; Jan. 20.
Speck, Julius C., Cleveland, Ohio. Cigarette lighter. Des. 85,008; Sept. 1.
Speck, William C., and E. Barker, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Apparatus for freeing castings from sand and gates. 1,807,181; May 26.
Spector, Samuel, and S. Brandfon, Bronx, assignors to Fountainette Development Corporation, Brooklyn, N. Y. Soda dispenser. Des. 85,718; Dec. 8.
Spector, Samuel, Brooklyn, and C. B. Williams, New York, N. Y.; said Williams assignor to said Spector. Display device. 1,829,766; Nov. 3.
Speedaumat Manufacturing Company. (See Bauer, Albert W., assignor.)
Speedaumat Manufacturing Company. (See Johnson, John E., assignor.)
Speeder Machinery Corporation. (See Ronk, George T., assignor.)
Speedway Manufacturing Company. (See McKeage, Robert S., assignor.)
Speegle, Louis E., Chicago, Ill., assignor to All American Service. Perpetual calendar and menu card. 1,793,260; Feb. 17.
Speer, Alexander S., Buffalo, N. Y., assignor, by mesne assignments, to Certain-teed Products Corporation. Plaster-board manufacture. 1,790,252; Jan. 27.
Speer, Arthur R., Bronxville, N. Y. Household ozonizer. 1,837,296; Dec. 22.
Speer, Clarence, San Francisco, Calif. Snowplow. 1,793,523; Feb. 24.
Speer, Clarence, San Francisco, Calif. Delivery mechanism for snowplows. 1,829,198; Oct. 27.
Speer, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company. Gas purification. 1,189,658; Aug. 18.
Speer, Walter. (See Wietzel, R., Speer, and Kaehler.)
Speetjens, Hubert, London, England. Pad for use in the permanent waving of hair. 1,800,111; Apr. 7.
Speh, Herman A., Binghamton, N. Y. Breeches. 1,831,930; Nov. 17.
Speich, Julius E., Nedrow, N. Y. Fish lure. 1,803,777; May 5.
Speicher, Daniel E., Urbana, Ind. Fertilizer distributor. 1,793,197; Feb. 17.
Speicher, Daniel E., Urbana, Ind. Bag. 1,807,449; May 26.
Speicher, Daniel E., assignor to The Cyclone Manufacturing Company, Urbana, Ind. Poultry feeder. 1,829,682; Oct. 27.
Speidel, Albert E. R., Edgewood, R. I. Bracelet chain. Des. 83,762; Mar 24.
Speidel, Albert E. R., Edgewood, R. I. Bracelet chain. Des. 83,763; Mar. 24.
Speidel, Albert E. R., Edgewood, R. I. Ornamental chain. Des. 83,932; Apr. 14.
Speidel, Albert E. R., Edgewood, R. I. Bracelet chain. Des. 84,210; May 19.
Speidel, Albert E. R., Edgewood, R. I. Bracelet chain. Des. 84,211; May 19.
Speidel, Albert E. R., Edgewood, R. I. Bracelet chain. Des. 84,212; May 19.
Speidel, Albert E. R., Edgewood, R. I. Bracelet chain. Des. 84,213; May 19.
Speidel, Albert E. R., Edgewood, R. I. Bracelet chain. Des. 84,214; May 19.
Speidel, Albert E. R., Edgewood, R. I. Bracelet chain. Des. 85,447; Oct. 27.
Speidel, Albert E. R., Edgewood, R. I. Bracelet chain. Des. 85,448; Oct. 27.
Speidel Bros. (See Johnson, Sylvester A., assignor.)
Speidel Chain Co. (See Carlson, Edwin G., assignor.)
Speidel Chain Co. (See Fassnacht, Karl, assignor.)
Speidel Chain Co. (See Fassnacht, K., and Gloss, assignors.)
Speidel Chain Co. (See Schraysshuen, C., and Fassnacht, assignor.)
Speidel, Edwin F. M., Cranston, R. I. Chain. Re18,141; July 28.
Speidel, Edwin F. M., Edgewood, R. I. Bracelet chain. Des. 83,072; Jan. 13.
Speidel, Edwin F. M., Edgewood, R. I. Chain. Des. 83,579; Mar. 3.
Speidel, Edwin F. M., Edgewood, R. I. Chain. 1,788,552; Jan. 13.
Speidel, Robert, Pforzheim, Germany. Washing machine for comestibles. 1,809,736; June 9.
Speiser, Gottlieb, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Circuit breakers. 1,802,679; Apr. 28.
Spell, Perry W. Roseboro, N. C. Stalk cutter. 1,808,266; June 2.
Spellman, John M., et al. (See Harston, Dan, assignor.)
Spellman, Mabel R. (See Jennings, Ben G., assignor.)
Spelshouse, Louis L., Baltimore, Md. Building block. 1,807,138; May 26.
Spence, Cary F., et al. (See Carnes, James R., assignor.)
Spence, Dellas J., Branson, Mo. Fish bait. 1,795,238; Mar. 3.
Spence, Frank, and N. Robinson, Los Angeles, Calif. Advertising calendar device. 1,838,461; Dec. 29.
Spence, James E., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Candy jar. Des. 83,359; Feb. 17.
Spence, Jesse L. (See French, G. B., and Spence.)
Spence, John C. (See Cook J., Spence, and Cole.)
Spence, John L., jr. (See Malcolm, J. R., and Spence.)
Spence, Paulsen, Orange, N. J. Regulating valve. 1,814,530; July 14.
Spence, William J., Hamilton, Ontario, assignor to General Steel Wares Limited, Toronto, Ontario, Canada. Railway lantern. 1,822,910; Sept. 15.
Spencer Air-Craft Motors, Incorporated. (See Spencer, Louis R., assignor.)
Spencer, Alexander, and R. T. Glascodine, London, England. Central buffing and draw gear. 1,813,824; July 7.
Spencer, Alexander C., Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Use of entrainment separators in vacuum distillation. 1,791,940; Feb. 10.
Spencer, Charles G., East Orange, N. J., and J. A. Hall, Bayside, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,831,398; Nov. 10.
Spencer, Charles H., Glendale, Calif., assignor, by mesne assignments, to Sub-Soil Aeration Company. Treating soils to promote plant growth. Re18,132; July 21.
Spencer, Charles H., Los Angeles, Calif. Wind-driven power device. 1,794,930; Mar. 3.

Spencer, Charles H., assignor of one-half to F. H. Hamilton, Los Angeles, Calif. Wind-driven power device. 1,790,175; Jan. 27.
Spencer, Charles M. (See Szegvari, A., and Spencer.)
Spencer & Cook, Limited. (See Mason, Harold, assignor.)
Spencer, Edgar E., Picher, Okla. Water meter bottom. 1,833,003; Nov. 24.
Spencer, Edward A., jr., Los Angeles, Calif. Core drill. 1,835,189; Dec. 8.
Spencer, Edward A., Jr., Los Angeles, and F. Oliver, Whittier, Calif. Side wall drilling organization. 1,804,819; May 12.
Spencer, Elmer A., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston ring clamp. 1,811,248; June 23.
Spencer, Frank E., Lynchburg, Mo. Planter attachment. 1,816,131; July 28.
Spencer, Frederick A., New York, N. Y. Bumper. 1,823,007; Sept. 15.
Spencer, Frederick W., Chicago, Ill. Drill chuck. 1,812,221; June 30.
Spencer, George, Nottingham, England, assignor, by mesne assignments, to Synthetic Plastics Company, Incorporated, New York, N. Y. Dyeing. 1,837,686; Dec. 22.
Spencer, George M., Chicago, Ill. Air cleaner. 1,800,326; Apr. 14.
Spencer, Harold M., Crescent City, Calif. Band saw. 1,827,490; Oct. 13.
Spencer, Harry E., New Haven, Conn., assignor to Universal Gear Shift Corporation, New York, N. Y. Pneumatic gear shift. 1,813,683; July 7.
Spencer, Harry E., New Haven, Conn., assignor to Universal Gear Shift Corporation, New York, N. Y. Cover plate. 1,827,881; Oct. 20.
Spencer Heater Company. (See Waddell, Joseph A., assignor.)
Spencer Heater Company. (See Waddell, J. A., and Foresman, assignors.)
Spencer, Hugh M. (See Upson, C. A., and Spencer.)
Spencer, Hugh M., Newark, N. J. Treatment of esters of cellulose. 1,797,843; Mar. 24.
Spencer, Hugh M., assignor to The Upson Company, Lockport, N. Y. Molded composition. 1,821,120; Sept. 1.
Spencer, John A., Newtonville, assignor to Spencer Thermostat Company, Cambridge, Mass. Temperature controlled apparatus. 1,812,722; June 30
Spencer, John A., Revere, assignor to Spencer Thermostat Company, Cambridge, Mass. Thermostat. 1,813,776; July 7.
Spencer, Kenneth S. S., Ilford, assignor to G. H. Rees, London, England. Acoustic device provided with vibratile diaphragms. 1,821,529; Sept. 1.
Spencer Lens Company. (See Ott, Harry G., assignor.)
Spencer Lens Company. (See Ott, Harvey N., assignor.)
Spencer, Louis R., West Hartford, assignor to Spencer Air-Craft Motors, Incorporated, Hartford, Conn. Aeroplane engine. 1,816,406; July 28.
Spencer, Millard C., East Orange, assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Fluid-conductor motor. 1,792,449; Feb. 10.
Spencer, Owen H., Indianapolis, Ind. Engine-cooling means. 1,798,764; Mar. 31.
Spencer, Owen H., Indianapolis, Ind. Engine manifold and attaching same. 1,798,765; Mar. 31.
Spencer, Owen H., Indianapolis, Ind. Engine manifold construction and arrangement. 1,812,063; June 30.
Spencer, Owen H., Indianapolis, Ind. Engine port construction. 1,812,379; June 30.
Spencer, Owen H., Indianapolis, Ind. Engine control and ventilating means. 1,812,566; June 30.
Spencer, Owen H., Indianapolis, Ind. Engine inlet manifold. 1,818,283; Aug. 11.
Spencer, Owen H., Indianapolis, Ind. Spiral blade fan. 1,821,484; Sept. 1.
Spencer, Percy L., Medford, Mass., assignor, by mesne assignments, to Old Colony Trust Company, trustee. Gaseous conduction apparatus. 1,821,242; Sept. 1.
Spencer, Richard V., Los Angeles, Calif. Aeroplane. 1,797,160; Mar. 17.
Spencer, Robert C., Oak Park, assignor to Casement Hardware Co., Chicago, Ill. Closure fastener. 1,789,605; Jan. 20.
Spencer Thermostat Company. (See Spencer, John A., assignor.)
Spencer Turbine Company, The. (See Paine, Wilbur V., assignor.)
Spencer, Wesley D., et al. (See Gonsett, Robert R., assignor.)
Spencer, William F., Muncie, Ind. Blackboard stand and work case. 1,810,501; June 16.
Spences, Richard V., Los Angeles, Calif. Fire-proof waste paper basket. 1,832,056; Nov. 17.
Spendlove, Robert, assignor to Sanford Mills, Sanford, Me. Pile wire loom stopping mechanism. 1,815,277; July 21.
Spengler, J. P. (See Spengler, Peter J. and J. P.)
Spengler, Oskar, Berlin-Neubabelsberg, and W. Müller, Leipzig, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of sulphur containing dyes and product. 1,809,318; June 9.
Spengler, Oskar, Neubabelsberg-Bergstrucken, and H. Pfannestiel, Dessau in Anhalt, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Trichloromethyl-ethoxy-hydroxy-phenyl-carbinol. 1,819,132; Aug. 18.
Spengler, Peter J. and J. P., Ostwine, near Swinemunde, Germany. Process of and apparatus for producing pressed bodies of powderous material. 1,803,814; May 5.
Spengler, Walter J., assignor to Scintilla Magneto Company, Inc., Sidney, N. Y. Electric apparatus. 1,836,513; Dec. 15.
Speno, Frank, Ithaca, N. Y. Conveyer. 1,804,286; May 5.
Speranza, Ferminio, Avonmore, Pa. Rail Joint. 1,798,004; Mar. 24.
Sperber, Bernhard, Berlin, Germany. Egg-boiling frame. 1,810,258; June 16.
Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company. Dehydrating gas. 1,791,086; Feb. 3.
Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company. Treatment of gas-purification products. 1,798,912; Mar. 31.
Sperr, Frederick W., jr., assignor to The Koppers Company, Pittsburgh, Pa. Method and apparatus for treatment of wastes. 1,799,444; Apr. 7.
Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company. Gas purification process. 1,806,370; May 19.
Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company. Apparatus for treating gases. 1,809,646; June 9.
Sperr, Frederick W., jr., assignor to The Koppers Company, Pittsburgh, Pa. Elimination of hydrogen sulfide in fuel gas. 1,815,933; July 28.
Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company. Gas manufacturing process and apparatus. 1,817,777; Aug. 4.
Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company. Purifying air containing hydrogen sulphide. 1,817,778; Aug. 4.
Sperr, Frederick, W., jr., assignor to The Koppers Company, Pittsburgh, Pa. Gas purification process. 1,824,103. Sept. 22.
Sperr, Frederick W., jr., assignor to The Koppers Company, Pittsburgh, Pa. Aeration and gas purification process. 1,824,104; Sept. 22.
Sperr, Frederick W., jr., assignor to The Koppers Company, Pittsburgh, Pa. Removal of naphthalene and tar from fuel gas. 1,830,178; Nov. 3.
Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company, Distilling ammoniacal liquors. 1,838,587; Dec. 29.
Sperry Development Company. (See Sperry, Elmer A., assignor.)
Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover Green, Del. Oil engine. 1,788,412; Jan. 13.
Sperry, Elmer A., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Control gyro. 1,788,807; Jan. 13.
Sperry, Elmer A., Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Inc. Wireless-controlled aerial torpedo. 1,792,937; Feb. 17.
Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Preventing pitching of ships. 1,800,365; Apr. 14.
Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover Green, Del. Combustion engine locomotive. 1,803,876; May 5.
Sperry, Elmer A., assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y. Fissure detector for steel rails. 1,804,380; May 5.
Sperry, Elmer A., jr., Brooklyn, assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Nonpendulous gyrocompass. 1,805,854; May 19.
Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover, Del. Automatic accelerator. 1,806,652; May 26.
Sperry, Elmer A., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Borehole inclination recorder. 1,812,994; July 7.
Sperry, Elmer A., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic pilot. 1,818,103; Aug. 11.
Sperry, Elmer A., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Controlling dirigible aircraft. 1,818,104; Aug. 11.
Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover, Del. Fissure detector in metals. 1,820,505; Aug. 25.
Sperry, Elmer A., Brooklyn, N. Y. assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Imparting intelligence. 1,830,041; Nov. 3.
Sperry, Elmer A., jr., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Flight panel. 1,836,881; Dec. 15.
Sperry, Elmer A., assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y. Roadway inspecting means. 1,837,633; Dec. 22.
Sperry, Elmer A., Brooklyn, assignor, by mesne assignments, to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic steering device. 1,838,965; Dec. 29.
Sperry, Frank E., Batavia, assignor to Mechanical Devices Company, Bloomington, Ill. Pressure actuated electric switch. 1,809,642; June 9.
Sperry Gyroscope Company. (See Bassett, Preston R., assignor.)

Sperry Gyroscope Company. (See Bassett, P. R., and Mills, assignors.)
Sperry Gyroscope Company. (See Bates, Mortimer F., assignor.)
Sperry Gyroscope Company. (See Carter, L. F., and Bassett, assignors.)
Sperry Gyroscope Company. (See Carter, L. F., and Bates, assignors.)
Sperry Gyroscope Company. (See Drake, Harcourt C., assignor.)
Sperry Gyroscope Company. (See Farmer, C. D., and Hight, assignors.)
Sperry Gyroscope Company. (See Hall, Theodore, assignor.)
Sperry Gyroscope Company. (See Harris, Percy E., assignor.)
Sperry Gyroscope Company. (See Kortepeter, Ralph E., assignor.)
Sperry Gyroscope Company. (See Mills, Chester B.)
Sperry Gyroscope Company. (See Mills, Chester B., assignor.)
Sperry Gyroscope Company. (See Schein, Alexander E., assignor.)
Sperry Gyroscope Company, The. (See Sperry, Elmer A., assignor.)
Sperry Gyroscope Company. (See Sperry, Elmer A., jr., assignor.)
Sperry Gyroscope Company, Inc. (See Bates, Mortimer F., assignor.)
Sperry Gyroscope Company, Inc. (See Thompson, Herbert H., assignor.)
Sperry, James E., Gresham, Nebr. Airplane construction. 1,815,124; July 21.
Sperry, John B., assignor to The American Well Works, Aurora, Ill. Pumping apparatus. 1,822,546; Sept. 8.
Sperry, John B., assignor to The American Well Works, Aurora, Ill. Impeller. 1,839,126; Dec. 29.
Sperry, Leonard B., Western Springs, Ill., assignor to International Harvester Company. Gasket. 1,819,694; Aug. 18.
Sperry Products, Inc. (See Carter, Leslie F., assignor.)
Sperry Products, Inc. (See Sperry, Elmer A., assignor.)
Sperry, Richard E., Greenwich, Conn., and R. E. Talmadge, Nutley, N. J., assignors to MacArthur Concrete Pile Corporation, New York, N. Y. Pile structure. 1,838,791; Dec. 29.
Sperry, Roger S. (See George, J. S., and Sperry.)
Sperry, Samuel E., Hollis, assignor to Intertype Corporation, New York, N. Y. Matrix-aligning means. 1,789,201; Jan. 13.
Sperry, Samuel E., Hollis, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y. Keyboard for typographical machines. 1,792,332; Feb. 10.
Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Matrix distributing for typographical machines. 1,799,028; Mar. 31.
Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Distributor mechanism for typographical machine. 1,800,033; Apr. 7.
Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Line casting machine. 1,809,760; June 9.
Sperry, Samuel E., Hollis, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y. Matrix assembling mechanism for typographical machines. 1,812,808; June 30.
Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Typographical machine. 1,829,683; Oct. 27.
Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Automatic recasting control for typographical machines. 1,831,778; Nov. 10.
Sperry-Sun Well Surveying Company. (See Pew, J. N., jr., and Bazzoni, assignors.)
Sperry-Sun Well Surveying Company. (See Williston, Samuel H., assignor.)
Sperry, William E., La Mesa, Calif. Toy. 1,814,230; July 14.
Sperti, George, Covington, Ky., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,817,537; Aug. 4.
Sperti, George, Covington, Ky., and L. M. Alexander, assignors of one-tenth to Allen & Allen, Cincinnati, Ohio. Electronic tube. 1,790,286; Jan. 27.
Spery, Charles F., Chicago, Ill. Use control device for electric washing machines and the like. 1,801,618; Apr. 21.
Spery, Philmore F., Chicago, Ill., assignor, by mesne assignments, to Kari-Keen Manufacturing Company, Sioux City, Iowa. Automobile luggage trunk. 1,817,107; Aug. 4.
Spery, Philmore F., Chicago, Ill., assignor, by mesne assignments, to Kari-Keen Manufacturing Company, Sioux City, Iowa. Extension trunk and luggage carrier. 1,823,515; Sept. 15.
Speyer, Maurice, et al. (See Nadeo, James, assignor.)
Spicer, Delphin H. (See Wolf, J., and Spicer.)
Spicer, Delphin H., Lakewood, Ohio. Automatic inflating device. 1,830,249; Nov. 3.
Spicer, Grover C., Cleveland, Ohio. Machine for grinding and sanding rubber printing rollers. 1,836,941; Dec. 15.
Spicer Manufacturing Corporation. (See Culbertson, E., Estay, assignor.)
Spicers Limited. (See Goldsmith, J. N., and Baker, assignors.)
Spicers Limited. (See Goldsmith, J. N., Baker, and Bonamico, assignors.)
Spicers Limited. (See Hands, Henry J., assignor.)
Spiegel, Edward R., assignor of thirty-four per cent to J. W. Miller and fifteen per cent to J. A. Schley, Dallas, Tex. Spring mounting for motor vehicles. 1,818,105; Aug. 11.
Spiegel, Fritz. (See Wurdel, G., and Spiegel.)
Spiegel, Max., Philadelphia, Pa. Combined door bell and alarm. 1,815,659; July 21.
Spiegler, Gottfried and F. Bügler, Vienna, Austria. X-ray system. 1,826,579; Oct. 6.
Spiekermann, Wilhelm, Hersogenrath, Germany, assignor, by mesne assignments, to The American Bicheroux Company. Take-off and lehring conveyer for sheet glass forming machines. 1,816,407; July 28.
Spieler, Joseph. (See Gubler, H., de Montmollin, and Spieler.)
Spielman, Charles, Richmond Hill, assignor to Wm. A. Force & Company, Inc., New York, N. Y. Printer's numbering machine. 1,798,176; Mar. 31.
Spielman, Charles, Richmond Hill, assignor to Wm. A. Force & Company, Inc., New York, N. Y. Numbering machine. 1,798,177; Mar. 31.
Spiers, Beatrice, Philadelphia, Pa. Combined outer and under shirt. 1,804,068; May 5.
Spiers, Beatrice, Philadelphia, Pa. Combination garment. 1,814,457; July 14.
Spiers, Ernest, assignor to William Spiers Limited, Leicester, England. Circular knitting machine. 1,827,677; Oct. 20.
Spiers, William, Limited. (See Kent, Alfred W., assignor.)
Spiers, William, Limited. (See Spiers, Ernest, assignor.)
Spies, Clarence J., Collinsville, Ill. Hydraulic engine. 1,787,737; Jan. 6.
Spieser, Walter, Zurich, Switzerland. Rotary slide valve. 1,824,511; Sept. 22.
Spiess, Georg, Leipzig, Germany. Platen printing press. 1,789,662; Jan. 20.
Spiess, Georg, Leipzig, Germany. Device for adjustment of the pile feed in sheet feeding machines. 1,806,866; May 26.
Spiess, Georg, Leipzig, Germany. Platen printing press. 1,818,821; Aug. 11.
Spiess, Georg, Leipzig-Plagwitz, Germany. Sheet cutting machine. 1,810,442; June 16.
Spiess, Otto, Saugerties, N. Y. Awning construction. 1,793,971; Feb. 24.
Spietschka, Walter. (See Schmidt, M. P., and Spietschka.)
Spietschka, Walter. (See Voss, J., and Spietschka.)
Spikes, Richard B., San Francisco, Calif., assignor by mesne assignments, to R. E. Jordan, Alameda County, Calif. Method and apparatus for obtaining average samples and temperature of tank liquids. 1,828,753; Oct. 27.
Spill, Charles J., Garden City, assignor to A. Schraders' Son, Inc., Brooklyn, N. P. Assembling machine. 1,788,601; Jan. 13.
Spill, Walter E., trustee. (See McKim, Wilmer E., assignor.)
Spiller, George A., and G. T. Johnson, assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Railroad car end. 1,828,160; Oct. 20.
Spiller, William R. (See Jehle, F., Spiller, and King.)
Spiller, William R., assignor to The White Motor Company, Ceveland, Ohio. Valve actuating mechanism. 1,820,890; Aug. 25.
Spiller, William R., assignor to The White Motor Company, Cleveland, Ohio. Valve actuating mechanism. 1,820,891; Aug. 25.
Spillman, Albert, North Tonawanda, N. Y. Flexible joint. 1,796,901; Mar. 17.
Spillman, Albert, North Tonawanda, N. Y. Cable drive. 1,822,632; Sept. 8.
Spillman, Edward T., assignor, by mesne assignments to R. E. Forshee, Columbus, Ohio. Bracket for roofing scaffolds. 1,827,491; Oct. 13.
Spilner, August W. (See Dunn, William D., assignor.)
Spilsbury, Hugh G., Cranford, assignor, by mesne assignments, to Francis Earle, Montclair, N. J. Rail clamp. 1,831,082; Nov. 10.
Spina, John V., New York, N. Y. Doll or similar article. Des. 85,449; Oct. 27.
Spinasee, Arthur E., Mount Vernon, Ohio. Drawing sheet glass. 1,790,774; Feb. 3.
Spinasse, Arthur E., Mount Vernon, Ohio. Means for and method of drawing glass sheets or plates. 1,819,392; Aug. 18.
Spinasse, Arthur E., Mount Vernon, Ohio. Method of and apparatus for the manufacture of sheet glass. 1,834,656; Dec. 1.
Spinasse, Arthur E., Mt. Vernon, Ohio, assignor to Pittsburgh Plate Glass Company. Method of and apparatus for drawing glass. 1,833,379; Nov. 24.
Spinasse, Arthur E., Mt. Vernon, Ohio, assignor to Pittsburg Plate Glass Company. Method of and apparatus for drawing glass. 1,833,380; Nov. 24.
Spinasse, Arthur E., Mt. Vernon, Ohio, assignor to Pittsburgh Plate Glass Company. Method of and apparatus for drawing glass. 1,833,381; Nov. 24.
Spinasse, Arthur E., Mt. Vernon, Ohio, assignor to Pittsburgh Plate Glass Company. Method of and apparatus for drawing glass. 1,833,382; Nov. 24.

Spindler, Paul, Hilden, assignor to Sondermann & Co., Gummersbach, Rhineland, Germany. Treating freshly spun threads of artificial silk. 1,830,771; Nov. 10.
Spindler, Peter J., Olean, N. Y. Treating oil fields. 1,826,371; Oct. 6.
Spinks, Thomas M., Shubuta, Miss. Coating implement. 1,827,047; Oct. 13.
Spinner, Isidore. (See Spinner, Philip V. and I.)
Spinner, Philip V., Wilmette, and I. Spinner, Chicago, Ill. Box construction. 1,822,384; Sept. 8.
Spinney, Edmund S., Attleboro, Mass., assignor to The Adam Sutcliffe Company. Pinless ticket. 1,826,580; Oct. 6.
Spinney, Louis B., assignor to Iowa State College of Agricultural and Mechanical Arts, Ames, Iowa. Carbon or arc lamp. 1,802,680; Apr. 28.
Spinney, Randolph B., Hollis, assignor to Liquid Fuel Cutting & Welding Torch Corp., New York, N. Y. Liquid-fuel-burning torch. 1,796,768; Mar. 17.
Spinnler, Carl. Liestal, Switzerland. Belt buckle. 1,821,329; Sept. 1.
Spino, Camillo, Latrobe, assignor of one-half to E. D'Aviero, Clarksville, Pa. Mop head. 1,811,336; June 23.
Spira, Josef. (See Racusin, A., and Spira.)
Spira, Leopold, Zurich, Switzerland. Air pump. 1,831,756; Nov. 10.
Spiral Cutter Company, The. (See Satterstrom, Ferdinand, assignor.)
Spire, Sheldon S., assignor to Syracuse Chilled Plow Company, Inc., Syracuse, N. Y. Agricultural implement. 1,810,889; June 16.
Spire, William H., Cleveland, Ohio, assignor to Thompson Products, Inc. Induction heater. 1,821,530; Sept. 1.
Spiri, Walter J., White Plains, N. Y. Packing box for attaching means. 1,822,246; Sept. 8.
Spiro, Walter J., White Plains, N. Y. Folding umbrella. 1,833,004; Nov. 24.
Spitz, Louis. (See Schwartz, H. L., Quast, and Spitz.)
Spitz, William, Brooklyn, N. Y. Plant stand. 1,820,843; Aug. 25.
Spitzenberger, August H. (See Caster, C. O., and Spitzenberger.)
Spitzenberger, Louis J., St. Paul, Minn. Collapsible box. 1,793,025: Feb. 17.
Spitzer, Charles E., Coopersburg, Pa. Hammer for hammer mills. 1,791,007; Feb. 3.
Spivey, Samuel C., Birmingham, Ala. Electric starting system for automobiles. 1,828,514; Oct. 20.
Splain, Walter E., Terrace Park, assignor to W. B. Grischy, Cincinnati, Ohio. Duplex and multiple action plunger pump. 1,790,728: Feb. 3.
Splain, Walter E., Terrace Park, assignor to W. B. Grischy, Cincinnati, Ohio. Liquid dispensing apparatus. 1,825,682; Oct. 6.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Bridge for an ophthalmic mounting. Des. 85,776; Dec. 15.
Splatt, Joseph B., et al. (See Smith, Herbert B., assignor.)
Spliid, Viggo F. (See Beutel, R. J., and Spliid.)
Split Ballbearing Corporation. (See Bowne, Raymond W., assignor.)
Split Ballbearing Corporation. (See Pierce, Winslow S., jr., assignor.)
Splitdorf Electrical Company. (See Nowosielski, Edward B., assignor.)
Splitdorf Radio Corporation. (See Jacobs, Charles T., assignor.)
Spoerri, Heinrich, Zurich, Switzerland. Device for slaking lime. 1,832,148; Nov. 17.
Spofford, Gordon E., Buzzards Bay, Mass. Bass bomb. 1,807,712; June 2.
Spofford, Robert W., New York, N. Y. Coloring rattan. 1,825,102; Sept. 29.
Spohn, Gottlob, Pforzheim, Germany. Folding device for letter sheets. 1,806,125; May 19.
Spohn, John H., jr., assignor to Chemical Development Co. Ltd., San Francisco, Calif. Process and apparatus for manufacturing paper. 1,809,427; June 9.
Spohr, Carl W. (See Bracke, R. F., and Spohr.)
Spohr, Carl W., Chicago, assignor to C. B. Camp, trustee, Glencoe, Ill. Carburetor. 1,795,319; Mar. 10.
Spoljarich, John, Painesdale, Mich. Goggles attachment for hats. 1,832,747; Nov. 17.
Sponable, Earl I., New York, N. Y. Moving sound picture film. 1,835,536; Dec. 8.
Sponable, Earl I., assignor to Fox Case Corporation, New York, N. Y. Set or scenery. 1,795,742; Mar. 10.
Sponable, Earl I., assignor to Fox Case Corporation, New York, N. Y. Method and apparatus for producing talking moving pictures. 1,832,821; Nov. 17.
Sponable, Earl I., and F. S. Brace, New York, N. Y., assignors to Fox-Case Corporation, New York, N. Y. Reel. 1,832,590; Nov. 17.
Sponar, Aloysius T., assignor to John Wood Manufacturing Company, Conshohocken, Pa. Gas water heater. 1,804,123; May 5.
Sponar, Aloysius T., assignor to John Wood Manufacturing Company, Conshohocken, Pa. Gas water heater. 1,810,887; June 16.
Sponseller, Emery L. (See Naylor, W. F., and Sponseller.)
Spooner, Harry, Stephens, Ark. Rod-line stretcher for oil-pumping mechanism. 1,793,758; Feb. 24.
Spoor, Ivan H. (See King, T. J., jr., and Spoor.)
Spoor-Thompson Machine Company. (See Thompson, Frederick B., assignor.)
Sporn, Philip, Brooklyn, and H. D. Freitag, Lynbrook, N. Y. Relay and meter testing and calibrating switch and key. 1,791,471; Feb. 3.
Sporn, Philip, Brooklyn, and H. D. Freitag, Lynbrook, assignors to Electric Process Company, Inc., New York, N. Y. Relay and meter testing and calibrating switch. 1,820,922; Sept. 1.
Sporri, Oscar, Milwaukie, Oreg. Plow hitch. 1,836,625; Dec. 15.
Spousta, John, River Rouge, Mich. Furnace. 1,805,786; May 19.
Spousta, Winslow C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Assembling articles for transportation. 1,826,835; Oct. 20.
Spout Corporation, The. (See Geist, William J., assignor.)
Spowart, John B. (See Bartenbach, H., and Spowart.)
Spowart, John B. (See Smith, T. C., Spowart, and Fitzpatrick.)
Spraco, Inc. (See Dennison, Frank G., assignor.)
Spraco, Inc.. (See Preble, James J., assignor.)
Spradbrow, Norman H. G., Toronto, Ontario, Canada. Street sweeping machine. 1,817,042; Aug. 4.
Sprague, Alson J., Middletown, assignor to The Borden Company, New York, N. Y. Machine for closing cans. 1,829,199; Oct. 27.
Sprague, Ben C., Springdale, assignor to L. E. Hankison, Dormont, Pa. Evaporator. 1,795,743; Mar. 10.
Sprague, Elmer A., Caldwell, Idaho. Combination ladder, skid, and bridge. 1,791,330; Feb. 3.
Sprague, Francis E., et al. (See Crouch, Claude C., assignor.)
Sprague, Frank E., Bakersfield, Calif. Pump plunger. 1,825,483; Sept. 29.
Sprague, Frank J., New York, N. Y. Electric toaster. 1,822,633; Sept. 8.
Sprague, Frank J., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Dual elevator system and control. Re18,095; June 9.
Sprague, Frank J., New York, N. Y., assignor to Sprague Signs, Inc., Wilmington, Del. Universal electric sign system. 1,835,912; Dec. 8.
Sprague, Goldwin S., Newton, Mass. Ski binding. 1,815,168; July 21.
Sprague, Robert C., Quincy, Mass. Multiple condenser. 1,795,411; Mar. 10.
Sprague-Sells Corporation. (See Casey, Mary J., assignor.)
Sprague-Sells Corporation. (See de Back, William, assignor.)
Sprague Sells Corporation. (See Dunkley, Samuel J., assignor.)
Sprague-Sells Corporation. (See Gardner, George D., assignor.)
Sprague-Sells Corporation. (See King, Walter, assignor.)
Sprague-Sells Corporation. (See Martin, Thomas, assignor.)
Sprague-Sells Corporation. (See McGhee, T., and Woodhead, assignor.)
Sprague-Sells Corporation. (See Schmidt, John, assignor.)
Sprague-Sells Corporation. (See Sells, Ogden S., assignor.)
Sprague-Sells Corporation. (See Sheldon, Henry A., assignor.)
Sprague, Sidney, New York, N. Y. Combined cigarette case and lighter. 1,794,559; Mar. 3.
Sprague Signs, Inc. (See Sprague, Frank J., assignor.)
Sprague, Vernon L. (See Thomas, W. B., and Sprague.)
Sprague, Warner & Company. (See Metzger, R. T., and Potter, assignors.)
Sprague, William, Monticello, Ill. Combined rake cleaner and depth gauge. 1,816,703; July 28.
Sprague, William P., Los Angeles, Calif. Clasp. 1,822,460; Sept. 8.
Spraker, Henry G., Muskogee, Okla. Direction signal for vehicles. 1,827,271; Oct. 13.
Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Train-announciating apparatus. 1,789,566; Jan. 20.
Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 1,790,524; Jan. 27.
Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,791,851; Feb. 10.
Spray, Lester E., Wilkinsburg, assignor to Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,808,325; June 2.
Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,813,363; July 7.
Sprayo-Flake Company. (See Fix, Charles H., assignor.)
Sprecker, Alfred L. (See Bishop, L. C., and Sprecker.)
Spreen, Charles C., Detroit, Mich. Seal for compressors. 1,797,735; Mar. 24.
Spreen, Charles C., Detroit, Mich. Compressor. 1,797,803; Mar. 24.
Spreen, Charles C., Detroit, Mich. Compressor bearing seal. 1,823,804; Sept. 15.
Spreen, Charles C., Detroit, Mich. Compressor bearing seal. 1,823,805; Sept. 15.

Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Mechanical refrigeration. 1,797,844; Mar. 24.
Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Mechanical refrigeration. 1,805,787; May 19.
Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Ice making and shaving machine. 1,823,806; Sept. 15.
Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Condenser for refrigerating apparatus. 1,825,760; Oct 6.
Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Fluid cooler. 1,826,372; Oct. 6.
Spreen, Charles C., Detroit, Mich. Seal for journal bearings. 1,826,373; Oct. 6.
Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Refrigeration. 1,826,374; Oct. 6.
Spreen, Charles F. (See Riggs, G. R., and Spreen.)
Spreen, Maxwell H., Detroit, Mich. Refrigerating mechanism support and cabinet therefor. 1,804,845; May 12.
Sprich, Emil M., St. Louis, Mo. Smoking pipe. Des. 85,351; Oct. 13.
Sprich, Emil M., St. Louis, Mo. Smoke pipe. 1,813,684; July 7.
Sprigg, Christopher St. J., London, England. Variable-speed gear or torque converter. 1,791,386; Feb. 3.
Sprigg, Melvin B., Weston, W. Va. Reflector. 1,803,815; May 5.
Spring, Fred L. V., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Pump-type oiler. 1,828,479; Oct. 20.
Spring, George B., Newtonville, Mass. Reenforcement for poles. 1,789,393; Jan. 20.
Spring, George B., Newtonville, Mass. Reenforcement for poles. 1,811,899; June 30.
Spring, Joseph J., assignor to The Goss and Deleeuw Machine Company, New Britain, Conn. Work rotating type of chucking machine. 1,805,054; May 12.
Spring, Joseph J., assignor to The Goss and Deleeuw Machine Company, New Britain, Conn. Multiple spindle chucking machine. 1,810,300; June 16.
Springer, Wilson R., Oskaloosa, Iowa. Facial change device for dolls. 1,821,243; Sept. 1.
Springfels, Charles F., West Palm Beach, Fla. Safety traffic light. 1,806,126; May 19.
Springfield, Garland P., Evansville, Ind. Automobile bumper. 1,803,078; Apr. 28.
Springfield, Garland P., Evansville, assignor of one-half to O. N. Elliatt, Vanderburg County, Ind. Automatic telephone dial illuminator. 1,838,236; Dec. 29.
Springfield Lumber Company. (See Dearing, Joseph W., assignor.)
Springfield Metallic Casket Company, The. (See Hiser, Charles H., assignor.)
Springmann, Adolf, Schramberg, Germany. Fly catcher. 1,812,178; June 30.
Springstead, John F., assignor to R. Hoe & Co., Inc., New York, N. Y. Printing press. 1,802,038; Apr. 21.
Springstead, John F., Rye, assignor to R. Hoe & Co., Inc., New York, N. Y. Marking cylinders used in rotary photogravure printing. 1,832,255; Nov. 17.
Springsteen, Luther W., Afton, assignor to National Hydrodriv Company, Binghamton, N. Y. Fluid operated driving means. 1,805,023; May 12.
Sprinkle, Marion C. (See Phenix, William D., assignor.)
Sprinkle, Sylvarius A., Martinsburg, W. Va. Rail joint. 1,839,058; Dec. 29.
Sproat, Ira E., Covington, Ohio, assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Colored granules, etc. 1,830,489; Nov. 3.
Sprong, Severn D., Brooklyn, assignor to Engineering Products Corporation, Inc., New York, N. Y. Radiator. 1,821,080; Sept. 1.
Sprong, William J., Alhambra, assignor to United States Spring and Bumper Company, Inc., Los Angeles, Calif. Vehicle spring construction. 1,829,163; Oct. 27.
Sprüngerts, Eduard, assignor to Kalle & Co., Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Process of improving the resistance of diazo-types to water. 1,807,761; June 2.
Sprüngerts, Eduard, M. P. Schmidt, and R. Franke, assignors to Kalle & Co., Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Azo dyestuff components and preparing them. 1,822,065; Sept. 8.
Sproston, Edmund, Winnipeg, Manitoba, Canada. Vacuum cleaner. 1,818,872; Aug. 11.
Sproul, Donald F., Chicago, Ill., assignor to Cardwell Westinghouse Company. Bolster support. 1,821,723; June 30.
Sproul, William C., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Producing metal working tools. 1,822,176; Sept. 8.
Sproul, E. W., Construction Company. (See Sproul, E. W. and Layer, assignors.)
Sproul, E. W., Construction Company. (See Sproul, Wilford R., assignor.)
Sproul, E. W., Construction Company. (See Sproul, W. R. and E. W., assignors.)
Sproul, Wilford R., assignor to E. W. Sproul Construction Company, Chicago, Ill. Concrete building construction. 1,791,645; Feb. 10.
Sproul, Wilford R., assignor to E. W. Sproul Construction Company, Chicago, Ill. Concrete building construction. 1,793,524; Feb. 24.
Sproul, Wilford R., Chicago, and H. Layer, Winnetka, assignors to E. W. Sproul Construction Company, Chicago, Ill. Method and apparatus for concrete wall construction. 1,791,646; Feb. 10.
Sproull, Clarence W., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Fluid-pressure braking apparatus. 1,796,769; Mar. 17.
Sprung, Abraham, assignor to Municipal Street Sign Co., Inc., New York, N. Y. Sign. Des. 83,360; Feb. 17.
Sprung, Abraham, assignor to Municipal Street Sign Co., Inc., New York, N. Y. Yieldable traffic barrier. 1,795,621; Mar. 10.
Sprung, Abraham, Brooklyn, and J. Sprung, New York, N. Y., assignors to Municipal Street Sign Co. Inc., New York, N. Y. Sign frame and upright. Re18,087; June 2.
Sprung, Abraham, assignor to Municipal Street Sign Co., Inc., New York, N. Y. Street sign. 1,826,581; Oct. 6.
Sprung, Helmut. (See Goldschmidt, R., and Sprung.)
Sprung, John N., Chicago, Ill. Window construction. 1,797,845; Mar. 24.
Sprung, Joseph. (See Sprung, Abraham, and J.)
Spry, Burgess T., San Dimas, Calif. Adjusting lever for cultivators and the like. 1,820,097; Aug. 25.
Spry, John W., Dallas, Tex. Material handling apparatus. 1,804,287; May 5.
Spry, Toll Burgess T., San Dimas, Calif. Smudge pot lifter. 1,811,033; June 23.
Spry, William M., Beachmont, assignor to The Peerless Machinery Company, Boston, Mass. Eyeleting machine. 1,833,268; Nov. 24.
Spuhr, Max, Werden-on-the-Ruhr, Germany. Method of and apparatus for shrinking cloth or cloth goods. 1,817,855; Aug. 4.
Spun Steel Corporation, The. (See Harrison, William R., assignor.)
Spurgeon, Dee C., Los Angeles, Calif. Awning. 1,811,900; June 30.
Spute, Ture. (See Farnstrom, Albin, assignor.)
Spyer, Arthur, London, England, assignor, by mesne assignments, to Fuller Lehigh Company. Furnace combustion chamber. 1,794,802; Mar. 3.
Spyer, Arthur, London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler feed water system. 1,806,371; May 19.
Spyer, Arthur, London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Pipe joint. 1,836,198; Dec. 15.
Spyker, Ephraim K., Sacramento, Calif. Miter box. 1,801,372; Apr. 21.
Square D Company. (See Ball, Albert P., assignor.)
Square D Company. (See Corcoran, Ivan, assignor.)
Square D Company. (See Hausmann, L. M., and Widmer, assignors.)
Square D Company. (See Horton, Bryson D., assignor.)
Squibb, E. R., & Sons. (See Christiansen, W. G., and Van Winkle, assignors.)
Squibb, E. R., & Sons. (See Lauter, Werner M., assignor.)
Squibb, E. R., and Sons. (See Nitardy, Ferdinand W., assignor.)
Squibb, Lloyd Y. (See Haigis, C. D., and Squibb.)
Squier, George A., Cleveland, Ohio. Mounting for ophthalmic lenses. 1,809,494; June 9.
Squier, Geo. L., Mfg. Co., The. (See Faber, Otto, assignor.)
Squier, George O., Washington, D. C. Radio signaling apparatus. 1,791,541; Feb. 10.
Squire, Harry E., Oakland, assignor of one-half to F. G. White, San Francisco, Calif. Reenforced concrete pile construction. 1,811,479; June 23.
Squires, Charles W., Beverly, Mass. Circuit closer. 1,822,461; Sept. 8.
Squires, Etta M., Amityville, N. Y. Ice skate. Des. 85,009; Sept. 1.
Squires, John, Detroit, Mich. Airplane. 1,827,441; Oct. 13.
Squires, John, Detroit, Mich. Propeller. 1,831,373; Nov. 10.
Squires, John, Detroit, Mich. Propeller. 1,835,913; Dec. 8.
Squires, Walter M. (See Hofft, M. A., Puckett, and Squires.)
Squires, Wilbur N., Joplin, Mo. Deep well pump. 1,805,441; May 12.
Squires, Wilbur N., assignor to Hydraulic Deep Well Pump Company, Joplin, Mo. Jack mechanism. 1,802,790; Apr. 28.
Squires, Wilbur N., assignors to Hydraulic Deep Well Pump Company, Joplin, Mo. Deep well pump. 1,805,024; May 12.
Squires, Wilbur N., assignor to Hydraulic Deep Well Pump Company, Joplin, Mo. Deep well pumping system. 1,805,025; May 12.
Squires, Wilbur N., assignor to Hydraulic Deep Well Pump Company, Joplin, Mo. Pump. 1,805,788; May 19.
Squires, Wilbur N., assignor to Hydraulic Deep Well Pump Company, Joplin, Mo. Hydraulic pump. 1,832,668; Nov. 17.
Squyer, Albert R. (See Weaver, G. E., and Squyer.)

Staaf, Werner I., jr., assignor to The McAuley Automatic Trap Company, Pittsburgh, Pa. Luminous-tube sign. 1,792,611; Feb. 17.
Staaf, Werner I., sr., assignor of fifty-one one-hundredths to William W. Martin, Pittsburgh, Pa. Rotary internal-combustion engine. 1,793,875; Feb. 24.
Staar, Gustave T. L., Brussels, Belgium. Skill-practicing game. 1,788,210; Jan. 6.
Staat, Aaron, Cincinnati, Ohio. Combination chip rack and smoking stand. Des. 84,215; May 19.
Stabele, Joseph. (See Boss, John H., assignor.)
Stabenow, William A., Salem, Oreg. Harrow. 1,796,629; Mar. 17.
Stability Leather Goods Mfg. Co. (See Becherer, Floyd O., assignor.)
Stabler, Robinson R., Greensboro, N. C. Illuminated fountain. 1,837,732; Dec. 22.
Stace, George W., Grand Rapids, Mich. Lunch counter construction. 1,833,693; Nov. 24.
Stacey, Alfred E., jr., Essex Fells, assignor to Carrier Engineering Corporation, Newark, N. J. Conduit. 1,825,103; Sept. 29.
Stacey, Alfred E., jr., Essex Fells, N. J., assignor to Carrier Engineering Corporation, Newark, N. J. Regulator and the like. 1,833,383; Nov. 24.
Stacey Bros. Gas Construction Company, The. (See Taylor, James J., assignor.)
Stacho, Michael, Cleveland, Ohio. Television scanning device. 1,826,836; Oct. 13.
Stack, Elmer S., Somerville, Mass. Tank for hot-water systems. 1,790,357; Jan. 27.
Stack, Emmet G., Marshfield, Oreg. Operation meter. 1,813,777; July 7.
Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacturing rubber goods. 1,838,792; Dec. 29.
Stack, Emmet G., Marshfield, Oreg. Veneer slicer. 1,817,779; Aug. 4.
Stack, Henry K., Portland, Oreg. Construction in water craft. 1,817,780; Aug. 4.
Stack, John, Chicago, Ill., assignor to Duluth Show Case Company, Duluth, Minn. Partition clip. 1,816,060; July 28.
Stack, Maurice J., Cohoes, N. Y., assignor, by mesne assignments, to National Automotive Fibres, Inc., of Dela ware, Wilmington, Del. Upholstery-making machine and method of making continuous cushions. 1,788,128; Jan. 6.
Stack, Maurice J., Cohoes, N. Y., assignor, by mesne assignments, to National Automotive Fibres, Inc., Wilmington, Del. Machine for and method of making continuous cushions. 1,793,139; Feb. 17.
Stack, Stanley. (See Frank, J. M., and Stack.)
Stackhouse, George A., Oakland, Calif., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Sofa bed. 1,804,820; May 12.
Stackhouse, George A., Oakland, Calif., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring structure. 1,804,821; May 12.
Stackhouse, George A., Oakland, Calif., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Assembling springs. 1,812,611; June 30.
Stackhouse, George A., Oakland, Calif., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Assembling bed and cushion springs. 1,832,149; Nov. 17.
Stackhouse, George A., Oakland, Calif., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Machine and method of assembling springs. 1,835,819; Dec. 8.
Stackhouse, George A., and E. C. Falls, Oakland, Calif. Electric switch. 1,837,634; Dec. 22.
Stacks, Homer, Detroit, Mich. Adjustable shade and roller therefor. 1,791,647; Feb. 10.
Stacks, Homer, Detroit, Mich. Detachable vehicle top. 1,828,480; Oct. 20.
Stacy, Leland J., Caldwell, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing system. 1,816,621; July 28.
Stacy, Thomas F., assignor to The French Oil Mill Machinery Co., Piqua, Ohio. Fluid-operated press. 1,800,849; Apr. 14.
Stadelhofer, Leslie, Newark, N. J. Vapor trap. 1,817,950; Aug. 11.
Stadtherr, John, Gibbon, Minn., assignor to Deere & Company, Moline, Ill. Attachment for corn picker rolls. 1,830,772; Nov. 10.
Stadium Stores, Inc. (See Rorrer, C. E., and Mitterer, assignors.)
Staedtler, J. S., The firm. (See Schwarz, August, assignor.)
Staege, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Winder motor drive control system. 1,838,966; Dec. 29.
Staege, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Generator braking system for winder drives. 1,838,967; Dec. 29.
Staege, Stephen A. (See Ashbaugh, J. H., and Staege.)
Staeheli, Charles A., Spokane, Wash. Saw table. 1,825,104; Sept. 29.
Staehle, Gilbert C., Chicago, Ill., assignor to P. H. MacMahon. Folding door for elevators and the like. 1,799,138; Mar. 31.
Staehle, Henry C., Boulder, Colo., assignor to General Electric Company. High temperature thermocouple. 1,823,706; Sept. 15.
Staf, Axel H., assignor to Gorham Mfg. Co., Providence, R. I. Spoon or similar article. Des. 84,223; May 19.
Stafford, Alfred E., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,791,852; Feb. 10.
Stafford Company The. (See Maynard, Vance R., assignor.)
Stafford, Delbert M. (See Fisher, Albert H., assignor.)
Stafford Electric Gauge Corporation. (See Stafford, Roy M., assignor.)
Stafford, James G., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Refining hydrocarbons. 1,823,175; Sept. 15.
Stafford, John E., Lincoln, assignor of one-third to J. C. Moore and one-third to C. E. Finney, San Francisco, Calif. Sound control apparatus. 1,807,940; June 2.
Stafford, John K., Pittsfield, Mass., assignor to General Electric Company. Resistor fuse. 1,818,822; Aug. 11.
Stafford, Lyman K., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Derrick leg with reenforcing member. 1,793,525; Feb. 24.
Stafford, Roy M., Beaumont, Tex., assignor to Stafford Electric Gauge Corporation. Circuit breaker for tank level indicators. 1,791,516; Feb. 10.
Stafford, William V., Brooklyn, N. Y. Combined display and filing cabinet for tile samples. Des. 85,554; Nov. 10.
Stage, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Neon lamp stroboscope. 1,799,993; Apr. 7.
Staggers, William F., Mannington, W. Va. Device for holding doors while fitting locks, etc. 1,833,005; Nov. 24.
Staggs, Jesse D., Los Angeles, Calif. Sound device. 1,809,916; June 16.
Stagl, Joseph E., Brooklyn, N. Y. Rubber-cushion arch protector. 1,792,938; Feb. 17.
Stahel, Adrian O., St. Paul, Minn. Radio receiving apparatus. 1,831,515; Nov. 10.
Stahel, Hermann, and F. Straub, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs of the pyrazolone series and making same. 1,801,120; Apr. 14.
Stahelin, Jay J., Chicago, Ill. Windshield wiper. 1,827,959; Oct. 20.
Stahl, Edward J., assignor to The Baker-Raulang Company, Cleveland, Ohio. Vehicle body construction. 1,836,514; Dec. 15.
Stahl, Eugene, assignor to Fostoria Glass Company, Moundsville, W. Va. Bowl or similar article. Des. 85,064; Sept. 8.
Stahl, Eugene, assignor to Fostoria Glass Company, Moundsville, W. Va. Candlestick or similar article. Des. 85,065; Sept. 8.
Stahl, Frank E., assignor to Columbus-McKinnon Chain Company, Tonawanda, N. Y. Side-chain fastener. 1,788,070; Jan. 6.
Stahl, Frank E., assignor to The Columbus-McKinnon Chain Corporation, Tonawanda, N. Y. Machine for stamping marks on wire or the like. 1,800,704; Apr. 14.
Stahl, John H., El Paso, Tex. Shook-assembling bench for crate making. 1,792,777; Feb. 17.
Stahle, Erik G. (See Pedersen, I. O., and Stahle.)
Stahlhuth, Arthur H. (See Parker, G. E., and Stahlhuth.)
Stahlhuth, Arthur H. (See Seaholm, E. W., Parker, and Stahlhuth.)
Stahly, William, College Point, assignor to Sanitary Public Service Corporation, New York, N. Y. Machine for forming toilet seat covers. 1,835,439; Dec. 8.
Stahn, Albert, Hanover, Germany. Making sand cores. 1,802,681; Apr. 28.
Staib, Karl. (See Suchy, R., Staib, and Moschel.)
Staiger, Alfred H., New York, N. Y. Electrode structure. 1,827,211; Oct. 13.
Staiger, Ludwig, Spandau, near Berlin, assignor to the Firm: Rohrbach Metall-Flugzeubau, G. m. b. H., Berlin, Germany. Box shaped central portion of metal aircraft wing. 1,822,247; Sept. 8.
Stainless Steel Corporation. (See Carman, Charles W., assignor.)
Stainless Steel Corporation. (See Crolius, F. J., and Stuler, assignors.)
Stainsby, John W., Winnipeg, Manitoba, Canada. Attachment to wringer. 1,793,972; Feb. 24.
Stair, Daniel E., assignor to Gifford-Wood Company, Hudson, N. Y. Cover for storage bins. 1,796,168; Mar. 10.
Stalder, Edward J. (See Scholz, E., and Stalder.)
Stalder, Louis, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Deflecting mechanism. 1,818,169; Aug. 11.
Stalder, Louis, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Deflecting mechanism. 1,818,170; Aug. 11.
Staley, Carl O., Congress Park, Ill. Draft regulator. 1,805,423; May 12.
Staley, Earl B., Seattle, Wash. Drawer connection. 1,819,393; Aug. 18.
Staley, Earl B., Seattle, Wash. Tow hook. 1,824,843; Sept. 29.
Staley, Harrison L., Martinsville, Ind. Boiler-tube cleaner. 1,790,954; Feb. 3.
Staley, Harrison L., Martinsville, Ind. Boiler tube cleaner. 1,806,127; May 19.
Staley, Harrison L., Martinsville, Ind. Boiler tube cleaner. 1,810,301; June 16.
Staley, Henry D. (See Gardiner, W., and Staley.)
Staley, Joseph H., Columbus, Ind. Airplane-engine stand. 1,792,612; Feb. 17.

Stalker, Edward A., Ann Arbor, Mich. Airplane. 1,829,616; Oct. 27.
Stalker, Frederick W. (See Newell, F. B., and Stalker.)
Stallard, Aubrey. (See McClurkin, J. C., and Stallard.)
Stallmann, Otto. (See Gubelmann, I., Weiland, and Stallmann.)
Stallone, Barney A., Tacoma, Wash. Banjo mute. 1,810,259; June 16.
Stallsmith, Welton. (See Cobb, Clarence L., assignor.)
Stalnecker, Edward L. (See McGill, W. J., and Stalnecker.)
Stam, Jesse, assignor to Fairclough & Gold, Inc., Boston, Mass. Curtain. 1,817,716; Aug. 4.
Stamas, Christ K., Minneapolis, Minn. Coin-controlled mechanism. 1,798,960; Mar. 31.
Stamat, Lazarus. (See Farone, Michael, assignor.)
Stambaugh, Russell W. (See Miller, E. S., and Stambaugh.)
Stambois, Arthur A. (See Stambois, Louis J. and A. A.)
Stambois, David, et al., administrators. (See Stambois, Louis J. and A. A.)
Stambois, Louis J., deceased, London, by D. Stambois and R. Stambois, administrators, and Arthur A. Stamboise, London, England. Vulcanizer. 1,802,287; Apr. 21.
Stambois, Rebecca, et al., administrators. (See Stambois, Louis J. and A. A.)
Stamegna, Joseph. (See Stamegna, Ralph and J.)
Stamegna, Ralph and J., Mount Vernon, N. Y. Water vehicle. 1,793,973; Feb. 24.
Stamets, William K. (See Hibbard, Robert L., assignor.)
Stamm, Alexander F., Detroit, Mich. Vibration damper. 1,815,808; July 21.
Stamm, Alexander F., Detroit, Mich., and F. K. Knohl, Fort Wayne, Ind., assignors to Dee Stamm. Torsional vibration damper. 1,815,807; July 21.
Stamm, Dee. (See Stamm, A. F., and Knohl, assignors.)
Stamm, Heinrich, Buderich/Neuss Krs. Dusseldorf, Germany. Rider brush for plan sifters. 1,801,249; Apr. 14.
Stamm, John G., East Cleveland, Ohio. Hydraulic suction device. 1,812,724; June 30.
Stammreich, Hanns, Charlottenburg, near Berlin, Germany. Metal arc lamp. 1,828,346; Oct. 20.
Stamoulis, Sotir C. (See English, Athena J., assignor.)
Stamp, J. W., et al. (See Buhren, Hans, assignor.)
Stampe, Gerhard K. E. H., Lubeck, Germany. Respirating-implement bag. 1,791,229; Feb. 3.
Stampe, Gerhard K. E. H., assignor to O. H. Dräger, Lubeck, Germany. Absorbent for gas filters, particularly for breathing purposes. 1,792,939; Feb. 17.
Stampe, Gerhard K. E. H., assignor, by mesne assignments, to O. H. Drager, Lubeck, Germany. Absorbent for breathing cartridges. 1,826,329; Oct. 6.
Stampe, Gerhard K. E. H., assignor to O. H. Drager, Lubeck, Germany. Fabric for gas protection masks or the like and producing same. 1,839,168; Dec. 29.
Stampil, Stanley. (See Farber, Isaac C., assignor.)
Stanaway, William E., Kaslo, British Columbia, assignor of one-fourth to H. D. Dawson and one-fourth to W. V. Papworth, Kaslo, and one-eight to A. Grant, Whitewater Mine, near Retallack Station, and one-eighth to D. Grant, Ainsworth, Canada. Combined vaporizer and economizer for internal-combustion engines. 1,793,566; Feb. 24.
Stanbrough, Roy G., Glendale, assignor of one-third to H. J. McCoy, Inglewood, and one-third to V. K. Haldeman, Hollydale, Calif. Tile board. 1,796,272; Mar. 10.
Standard Boiler & Steel Works. (See Bliss, Carl G., assignor.)
Standard Brake Shoe & Foundry Co., et al. (See Carty, William M., assignor.)
Standard Brands, Incorporated. (See Blank, A. D., Kohman, and Schultz, assignors.)
Standard Brands Incorporated. (See Boyer, George W., assignor.)
Standard Brands Incorporated. (See Buhrig, Henry F., assignor.)
Standard Brands Incorporated. (See Frey, Charles N., assignor.)
Standard Brands Incorporated. (See Frey, C. N., Brown, and Craig, assignors.)
Standard Brands Incorporated. (See Frey, C. N., Schultz, and Harrison, assignors.)
Standard Brands Incorporated. (See Gore, H. C., and Frey, assignors.)
Standard Brands Incorporated. (See Walters, Joseph C., assignor.)
Standard Brands Incorporated. (See Wilhelm, Karl L., assignor.)
Standard Carriage Works, Inc. (See Giltsch, John, assignor.)
Standard Chain Co. (See Smith, Ruel H., assignor.)
Standard Churn Company. (See Snyder, John L., assignor.)
Standard Computing Scale Company, The. (See Jaenichen, Louis, assignor.)
Standard Computing Scale Company, The. (See Mathews, John C., assignor.)
Standard Conveyor Company. (See Caesar, J., and Donaldson, assignors.)
Standard Conveyor Company. (See Wego, Peter C., assignor.)
Standard Coupler Company. (See Goodwin, Ernest G., assignor.)
Standard Development Company. (See Ranney, Leo, assignor.)
Standard Disk Wheel Company. (See Clench, William A., assignor.)
Standard Drilling and Sand Testing Company. (See Hux, Frank, assignor.)
Standard Electric Equipment Corporation. (See Barnett, Louis, assignor.)
Standard Electric Time Company. (See Harter, George F., assignor.)
Standard Electric Time Company. (See Kenerson, Stanley M., assignor.)
Standard Engineering Works. (See Mills, Bertram M., assignor.)
Standard Furnace and Range Company. (See Johnson, S. E., and Kornhauser, assignors.)
Standard Gage Company. (See Aldeborgh, E. H., and Ruf, assignors.)
Standard Gas Equipment Corporation. (See O'Dowd, Henry W., assignor.)
Standard-I. G. Company. (See Haslam, R. T., and Young, assignors.)
Standard-I. G. Company. (See Krauch, C., Pier, and Eisenhut, assignors.)
Standard-I. G. Company. (See Müller, C., Wietzel, and Galle, assignors.)
Standard I. G. Company. (See Pier, Mathias, assignor.)
Standard-I. G. Company. (See Pungs, W., and Frese, assignors.)
Standard I. G. Company. (See Wietzel, R., and Fischer, assignors.)
Standard-Johnson Company. (See Donnellan, Edward P., assignor.)
Standard-Knapp Corporation. (See Cooke, Gordon C., assignor.)
Standard-Knapp Corporation. (See Kimball, W. D., and Rideout, assignors.)
Standard-Knapp Corporation. (See Mudd, Garrett W., assignor.)
Standard Lift Company, The. (See Stukenborg, Louis C., assignor.)
Standard Looms, Inc. (See Northrop, Jonas, assignor.)
Standard Mirror Company. (See La Hodny, William, assignor.)
Standard Mirror Company. (See Weir, James B., assignor.)
Standard Neckwear Co. (See Fiumedoro, Aloysius J., assignor.)
Standard Oil Company. (See Adams, Elmer W., assignor.)
Standard Oil Company. (See Adams, E. W., and Kittrell, assignors.)
Standard Oil Company. (See Atwell, Harold V., assignor.)
Standard Oil Company. (See Bacheldor, William H., assignor.)
Standard Oil Company. (See Bacheldor, W. H., and Wood, assignors.)
Standard Oil Company. (See Bahlke, William H., assignor.)
Standard Oil Company. (See Baker, Charles R., assignor.)
Standard Oil Company. (See Barnard, Daniel P., assignor.)
Standard Oil Company. (See Bartels, Edward E., assignor.)
Standard Oil Company. (See Bransky, Arthur H., assignor.)
Standard Oil Company. (See Brewster, Oswald C., assignor.)
Standard Oil Company. (See Brewster, O. C., and Perry, assignors.)
Standard Oil Company. (See Brown, A. B., and Sullivan, assignors.)
Standard Oil Company. (See Buchler, Clifford C., assignor.)
Standard Oil Company. (See Cash, Gentry, assignor.)
Standard Oil Company. (See Diggs, Sterling H., assignor.)
Standard Oil Company. (See Diggs, S. H., and Campbell, assignors.)
Standard Oil Company. (See Eakins, John F., assignor.)
Standard Oil Company. (See Engbrecht, Herman J., assignor.)
Standard Oil Company. (See Engel, Edwin F., assignor.)
Standard Oil Company. (See Gainer, Frank J., assignor.)
Standard Oil Company. (See Gainer, F. J., Payne, and Bacheldor, assignors.)
Standard Oil Company. (See Grieves, H. H., and Fauth, assignors.)
Standard Oil Company. (See Hershfield, Abe, assignor.)
Standard Oil Company. (See Holcomb, R. L., and Bartels, assignors.)
Standard Oil Company. (See Holland, William W., assignor.)
Standard Oil Company. (See Hunneman, R. D., Rogers and Wilson, assignors.)
Standard Oil Company. (See Kinney, Ansel M., assignor.)
Standard Oil Company. (See Krauel, Philip L., assignor.)
Standard Oil Company. (See Lemmon, Norman E., assignor.)
Standard Oil Company. (See Lemmon, N. E., and Grimm, assignors.)
Standard Oil Company. (See Lindsay, James D., assignor.)
Standard Oil Company. (See Lowery, H., and Lane, assignors.)

Standard Oil Company. (See McGill, William J., assignor.)
Standard Oil Company. (See Paris, Fred H., assignor.)
Standard Oil Company. (See Read, C. D., and Holcomb, assignors.)
Standard Oil Company. (See Rogers, Thomas H., assignor.)
Standard Oil Company. (See Rogers, F. M., and McNeil, assignors.)
Standard Oil Company. (See Sharp, John C., assignor.)
Standard Oil Company. (See Sullivan, Frederick W., jr., assignor.)
Standard Oil Company. (See Sullivan, F. W., jr., and Adams, assignors.)
Standard Oil Company. (See Thiele, Ernest W., assignor.)
Standard Oil Company. (See Vandeveer, Perry O., assignor.)
Standard Oil Company. (See Voorhees, Vanderveer, assignor.)
Standard Oil Company. (See Voorhees, V., and Shaeffer, assignors.)
Standard Oil Company. (See Warwick, William E., assignor.)
Standard Oil Company. (See Watts, George W., assignor.)
Standard Oil Company. (See Wendt, Gerald L., assignor.)
Standard Oil Company. (See Whitman, W. G., and Miller, assignors.)
Standard Oil Company. (See Wilson, Robert E., assignor.)
Standard Oil Company. (See Youtz, Merrill A., assignor.)
Standard Oil Company, (Indiana). (See Ash, Horace I. and M. C., assignors.)
Standard Oil Company (Ind.). (See Lane, Robert S., assignor.)
Standard Oil Company (Indiana). (See Watts, George W., assignor.)
Standard Oil Company of California. (See Baker, Milton L., assignor.)
Standard Oil Company of California. (See Chadderton, Sydney S., assignor.)
Standard Oil Company of California. (See Chappell, Marvin L., assignor.)
Standard Oil Company of California. (See Collier, Henry D., assignor.)
Standard Oil Company of California. (See Cooley, John L., assignor.)
Standard Oil Company of California. (See Cooley, J. L., and McCloud, assignors.)
Standard Oil Company of California. (See Cushman, O. E., and Doell, assignors.)
Standard Oil Company of California. (See Cushman, O. E., and Farrington, assignors.)
Standard Oil Company of California. (See Danner, P. S., and Lyder, assignors.)
Standard Oil Company of California. (See Davis, Richard F., assignor.)
Standard Oil Company of California. (See Dunkley, Edward O., assignor.)
Standard Oil Company of California. (See Gates, Leroy G., assignor.)
Standard Oil Company of California. (See Hanna, Richard W., assignor.)
Standard Oil Company of California. (See Herrick, Henry N., assignor.)
Standard Oil Company of California. (See Lyman, Arthur L., assignor.)
Standard Oil Company of California. (See Maker, Frank L., assignor.)
Standard Oil Company of California. (See McEachern, Joseph H., and assignor.)
Standard Oil Company of California. (See Moser, Stuart, assignor.)
Standard Oil Company of California. (See Osmer, James H., assignor.)
Standard Oil Company of California. (See Parker, C. K., and Bent, assignors.)
Standard Oil Company of California. (See Peterson, W. E., and Morton, assignors.)
Standard Oil Company of California. (See Scharpenberg, C. C., and Gates, assignors.)
Standard Oil Company of California. (See Shiffler, William H., assignor.)
Standard Oil Company of California. (See Strout, Archie L., assignor.)
Standard Oil Company of California. (See Thompson, Harry W., assignor.)
Standard Oil Company of New York. (See Johnson, Raymond P., assignor.)
Standard Oil Development Company. (See Becker, Arman E., assignor.)
Standard Oil Development Company. (See Buc, Hyym E., assignor.)
Standard Oil Development Company. (See Buc, H. E., and Tate, assignors.)
Standard Oil Development Company. (See Carlton, D. P., and Hartley, assignors.)
Standard Oil Development Company. (See Clark, Edgar M., assignor.)
Standard Oil Development Company. (See Coleman, S. P., and Mead, assignors.)
Standard Oil Development Company. (See Cook, George B., assignor.)
Standard Oil Development Company. (See Davis, Garland H. B., assignor.)
Standard Oil Development Company. (See Evans, Earle W., assignor.)
Standard Oil Development Company. (See Ewing, C. R., and Montgomery, assignors.)
Standard Oil Development Company. (See Fischer, Herbert G. M., assignor.)
Standard Oil Development Company. (See Fischer, H. G. M., and Addems, assignors.)
Standard Oil Development Company. (See Gallagher, Hugh F., assignor.)
Standard Oil Development Company. (See Goodwin, Ralph T., assignor.)
Standard Oil Development Company. (See Hague, Robert L., assignor.)
Standard Oil Development Company. (See Holmes, A., and Burgess, assignors.)
Standard Oil Development Company. (See Hopkins, Marion B., assignor.)
Standard Oil Development Company. (See Howard, Frank A., assignor.)
Standard Oil Development Company. (See Howard, F. A., and Loomis, assignors.)
Standard Oil Development Company. (See Isles, Frederick W., assignor.)
Standard Oil Development Company. (See Jackson, Charles F., assignor.)
Standard Oil Development Company. (See Johnson, Herbert L., assignor.)
Standard Oil Development Company. (See Lewis, Warren K., assignor.)
Standard Oil Development Company. (See Link, Louis, assignor.)
Standard Oil Development Company. (See Loomis, Nathaniel E., assignor.)
Standard Oil Development Company. (See Loomis, N. E., and Burgess, assignors.)
Standard Oil Development Company. (See Mann, Matthew D., jr., assignor.)
Standard Oil Development Company. (See Mann, M. D., jr., and Holmes, assignors.)
Standard Oil Development Company. (See McGrath, William H., assignor.)
Standard Oil Development Company. (See Nichols, H. J., jr. and Luster, assignors.)
Standard Oil Development Company. (See Pugh, J. W., Tauch, and Warren, assignors.)
Standard Oil Development Company. (See Ranney, L., and Fairbank, assignors.)
Standard Oil Development Company. (See Rhys, Cyril O., assignor.)
Standard Oil Development Company. (See Robinson, Clarence I., assignor.)
Standard Oil Development Company. (See Schonberg, Jackson R., assignor.)
Standard Oil Development Company. (See Seeland, William J., assignor.)
Standard Oil Development Company. (See Shankland, B. W., and Duncan, assignors.)
Standard Oil Development Company. (See Shaw, Charles E., assignor.)
Standard Oil Development Company. (See Spencer, Alexander C., assignor.)
Standard Oil Development Company. (See Steik, Karl T., assignor.)
Standard Oil Development Company. (See Steik, K. T. and Cassar, assignors.)
Standard Oil Development Company. (See Stratford, R. K., and McIntyre, assignors.)
Standard Oil Development Company. (See Stratford, R. K., McIntyre, and Moor, assignors.)
Standard Oil Development Company. (See Sydnor, Harold, assignor.)
Standard Oil Development Company. (See Van Eaton, Ralph A., assignor.)
Standard Oil Development Company. (See Verner, Jules, assignor.)
Standard Oil Development Company. (See Wiezevich, P. J., and Tannich, assignors.)
Standard Oil Development Company. (See Wilson, Amyuit L., assignor.)
Standard Oil Development Company. (See Wilson, Henry H., assignor.)
Standard Oil Development Company. (See Zaikowsky, Wladimir M., assignor.)
Standard Oil Development Company. (See Zick, William J., assignor.)
Standard Pressed Steel Co. (See Bennett, Frank, assignor.)
Standard Pressed Steel Co. (See Bennett, F., and Hallowell, assignors.)
Standard Pressed Steel Co. (See Hallowell, Howard T., assignor.)
Standard Pressed Steel Co. (See Hallowell, H. T., and Bennett, assignors.)
Standard Process Corporation. (See Ballard, Ernest S., assignor.)
Standard Process Corporation. (See Leech, Russ B., assignor.)
Standard Products Corporation. (See Whatmough, William H., assignor.)
Standard Radial Blast Corporation. (See Dreisbach, Charles A., assignor.)
Standard Register Company. (See Sherman, John Q., assignor.)

Standard Register Company, The. (See Sherman, J. Q., and Metzner, assignors.)
Standard Sanitary Manufacturing Company. (See Brain, George, assignor.)
Standard Sanitary Manufacturing Company. (See Leffel, Robert, assignor.)
Standard Sanitary Manufacturing Company. (See Sakier, George, assignor.)
Standard Sanitary Mfg. Co. (See Sohn, E., and Paddock, assignors.)
Standard Sanitary Manufacturing Co. (See Tafel, Theodore, jr., assignor.)
Standard Sealing Equipment Corporation. (See Mudd, Garrett W., assignor.)
Standard Steel Car Corporation. (See Christianson, Andrew, assignor.)
Standard Steel Car Corporation. (See Hansson, Soren, assignor.)
Standard Steel Propeller Corporation. (See McCauley, Ernest G., assignor.)
Standard Steel Spring Company. (See McMahon, Harry R., assignor.)
Standard Steel Works. (See Gredell, Otto N., assignor.)
Standard Steel Works Company. (See Cole, A. G., and Cochran, assignors.)
Standard Stoker Company, The. (See Anderson, Howard P., assignor.)
Standard Stoker Company, The. (See Hatch, Mellen C. M., assignor.)
Standard Stoker Company, The. (See Hunt, Andrew M., assignor.)
Standard Stoker Company, The. (See Myers, Guy M., assignor.)
Standard Stoker Company, The. (See Pickard, Frank C., assignor.)
Standard Stoker Company. (See Roesch, Frank P., assignor.)
Standard Stoker Company, The. (See Roesch, F. P., and Hunt, assignors.)
Standard Stoker Company, The. (See Surdykowski, Charles J., assignor.)
Standard Stoker Company, The. (See Turner, Edwin A., assignor.)
Standard Stoker Company, The. (See Turner, E. A., and Surdykowski, assignors.)
Standard Stoker Company Inc., The. (See Fahnestock, Adam B., assignor.)
Standard Stoker Company Inc., The. (See Lower, Nathan M., assignor.)
Standard Stoker Company Inc., The. (See Lower, N. M., Chalker, and Ketchpel, assignors.)
Standard Stoker Company Inc., The. (See Lower, N. M., Kusebauch, and Chalker, assignors.)
Standard Stoker Company, Inc., The. (See Turner, Edwin A., assignor.)
Standard-Trump Bros. Machine Company. (See Houseman, Harold E., assignor.)
Standard-Trump Bros. Machine Company. (See Houseman, Wilbur L., assignor.)
Standard-Trump Bros. Machine Company. (See Schubert, William J., assignor.)
Standard-Trump Bros. Machine Company. (See Shelmire, Stanley R., assignor.)
Standard Tube and Manufacturing Company. (See Begue, F. F., and McIntosh, assignors.)
Standard Vacuum Brake Company. (See Slagle, Everett R., assignor.)
Standard Varnish Works. (See Toch, Maximilian, assignor.)
Standerwick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Governing mechanism for turbine-driven sets. 1,792,255; Feb. 10.
Standerwick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Constant speed control for prime movers. 1,810,627; June 16.
Standish, Edward K., Stoughton, assignor to The Hartford Special Machinery Company, Hartford, Conn. Variable speed transmission. 1,833,475; Nov. 24.
Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel nailing machine. 1,802,845; Apr. 28.
Standlee, Harvey R., Tulsa, Okla. Control valve. 1,829,069; Oct. 27.
Standley, Albert H. (See Miller, G., and Standley.)
Stanford, Arthur L., Libertyville, Ill. Road danger signal. Des. 83,473; Feb. 24.
Stanford, George I., Milford, Conn., assignor to The Universal Pipe and Radiator Company, New York, N. Y. Sheet metal radiator. 1,823,993; Sept. 22.
Stanford, Homer R., Washington, D. C. Apparatus for the conservation of shore line and the deflection of currents of water. 1,816,095; July 28.
Stanford, John J., Springfield, Mass. Nail set. 1,838,462; Dec. 29.
Stange, Bruno, West New York, N. J., assignor to F. Rosen, trading as Victory Lamp Company, Philadelphia, Pa. Lighting fixture wall bracket or article of analogous nature. Des. 84,762; July 28.
Stange, Bruno, West New York, N. J., assignor to F. Rosen, trading as Victory Lamp Company, Philadelphia, Pa. Ceiling lighting fixture. Des. 84,763; July 28.
Stange, Bruno, West New York, N. J., assignor to F. Rosen, trading as Victory Lamp Company, Philadelphia, Pa. Ceiling lighting fixture. Des. 84,764; July 28.
Stange, Bruno, West New York, N. J., assignor to F. Rosen, trading as Victory Lamp Company, Philadelphia, Pa. Lighting fixture. Des. 84,765; July 28.
Stange, Louis, Sommerda, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Automatic firearm. 1,801,179; Apr. 14.
Stange, Wm. J., Co. (See Burnett, L. B., and Bissell, assignors.)
Stanger, Julia A., Syracuse, N. Y. Radiocabinet. 1,791,689; Feb. 10.
Stangl, Joseph T., Dedham, Iowa. Stock fountain. 1,835,352; Dec. 8.
Stangler, H., Georg. (See Kaufler, F., and Stangler.)
Stangler, Jack, assignor of forty-nine one-hundredths to H. Mitkoff, Brooklyn, N. Y. Detector against hit and run drivers. 1,816,939; Aug. 4.
Staniewicz, Willy, assignor to Automobilwerke H. Bussing, Aktiengesellschaft, Brunswick, Germany. Driving mechanism for motor vehicles. 1,809,737; June 9.
Stanitz, Jacques, assignor to The Youngstown Pressed Steel Company, Warren, Ohio. Washing machine casing. Des. 84,061; Apr. 28.
Stankewitz, Louis, New York, N. Y. Exposure indicating attachment for cameras. 1,805,424; May 12.
Stanley, Arthur E., Elkhart, and R. Zones, Mishawaka, Ind. Pressure regulating device. 1,803,653; May 5.
Stanley, Arthur M., Lynn, assignor to Stanley Steel Welded Corporation, Boston, Mass. Disk wheel and making the same. 1,788,174; Jan. 6.
Stanley, Carroll M., and F. J. Evans, Hazleton, Pa., assignors, by mesne assignments, to Oliver United Filters Inc., San Francisco, Calif. Attaching filter cloth. 1,812,725; June 30.
Stanley, Ernest J., Los Nietos, and C. H. Taylor, Los Angeles, Calif., said Taylor assignor to said Stanley. Operating mechanism for hoods. 1,820,506; Aug. 25.
Stanley, Erra R. (See Fulknier, D. M., jr., and Stanley.)
Stanley, Frederick C., Fairfield, Conn., assignor, by mesne assignments, to Raybestos-Manhattan, Inc. Friction element and making the same. 1,790,176; Jan. 27.
Stanley, Henry C. (See Smith, W. H., and Stanley.)
Stanley, Robert L., Richmond, Me. Last. 1,806,720; May 26.
Stanley Steel Welded Corporation. (See Stanley, Arthur M., assignor.)
Stanley, William, Chicago, Ill. Fish bait. 1,801,940; Apr. 21.
Stanley Works, The. (See Beecher, L. B., and Ahern, assignors.)
Stanley Works, The. (See Bodmer, Christian, assignor.)
Stanley Works, The. (See Carter, Ray L., assignor.)
Stanley Works, The. (See Crowe, John M., assignor.)
Stanley Works, The. (See Fellows, John H., assignor.)
Stanley Works, The. (See Hart, Walter H., assignor.)
Stanley Works, The. (See Holloway, John J., assignor.)
Stanley Works, The. (See Howe, Leon S., assignor.)
Stanley Works, The. (See Lewis, Brayton S., assignor.)
Stanley Works, The. (See Parker, Harry T., assignor.)
Stanley Works, The. (See Raymond, Horace H., assignor.)
Stanley Works, The. (See Stowell, Austin L., assignor.)
Stannard, Winfield H., Matteson, assignor to Central Scientific Company, Chicago, Ill. Low pressure steam generator for students. 1,802,542; Apr. 28.
Stans, Leonard. (See Castelyns, G., Stans, and Vinck.)
Stansberry, Warren H., assignor to Peerless Novelty Company, Grand Haven, Mich. Frost shield. 1,799,445; Apr. 7.
Stansbury, Carroll, Wauwatosa, and N. L. Mortensen, assignors, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motors. 1,806,269; May 19.
Stansbury, Carroll, Wauwatosa, assignor to Cutler-Hammer, Inc., Milwakee, Wis. Controller for induction motors. 1,826,963; Oct. 13.
Stansbury, John H., assignor of one-half to R. O. Dulany, Fruitland, Md. Machine for operating on fruits and the like. 1,835,190; Dec. 8.
Stansel, Numan R., Schenectady, N. Y., assignor to General Electric Company. Furnace. 1,829,684; Oct. 27.
Stant, Ivan H., assignor to The Stant Machine Company, Connersville, Ind. Radiator cap. 1,793,974; Feb. 24.
Stant, Kyle E., Connersville, Ind. Radiator cap. Des. 85,893; Dec. 29.
Stant, Kyle E., Connersville, Ind. Radiator cap. 1,789,990; Jan. 27.
Stant, Kyle E., Connersville, Ind. Radiator cap. 1,833,694; Nov. 24.
Stant, Kyle E., assignor to The Stant Machine Company, Connersville, Ind. Radiator cap. 1,793,759; Feb. 24.
Stant, Kyle E., assignor to The Stant Machine Company, Connersville, Ind. Radiator cap. 1,806,224; May 19.
Stant, Kyle E., assignor to The Stant Machine Company, Connersville, Ind. Radiator cap. 1,809,186; June 9.
Stant, Kyle E., assignor to The Stant Machine Company, Connersville, Ind. Closing apparatus. 1,826,904; Oct. 13.
Stant Machine Company, The. (See Stant, Ivan H., assignor.)
Stant Machine Company, The. (See Stant, Kyle E., assignor.)
Stanton, Austin N. Iowa City, Iowa. Seismological research. 1,790,080; Jan. 27.
Stanton, Frederick, Grand Mere, Quebec, Canada. Closer for collapsible tubes. 1,834,877; Dec. 1.

Stanton, Willard J., assignor, by mesne assignments, to American Electric Company, Inc., Chicago, Ill. Protective device. 1,810,189; June 16.
Stapf, Robert J., Northfield, Minn. Grapple. 1,816,446; July 28.
Stapler, Floricel A., Philadelphia, Pa., assignor to Victor Talking Machine Company. Member or structure vibrated by energy impulses. 1,813,588; July 7.
Stapler, Floricel A., Philadelphia, Pa., assignor to Victor Talking Machine Company. Member or structure vibrated by energy impulses. 1,813,589; July 7.
Staples, Charles F., Detroit, Mich., assignor, by mesne assignments, to Graybar Electric Company, Inc., New York, N. Y. Washing machine. 1,819,208; Aug. 18.
Stapling Machines Co. (See Rosenmund, Alfred L., assignor.)
Star Company. (See Helfrich, John. assignor.)
Star Electric Motor Co. (See Hollander, Emil E., assignor.)
Star Electric Motor Co. et al. (See Holslag, C. J., and Widmark, assignors.)
Star Laundry Machine Corporation. (See Eckhard, John, assignor.)
Star, Richard, Brooklyn, N. Y. Tank gauge. 1,801,212; Apr. 14.
Star Sprinkler Corporation. (See Griffith, William B., assignor.)
Stargardt, Helen, Detroit, Mich. Door detent. 1,791,387; Feb. 3.
Starie, George B., Schenectady, N. Y., assignor to General Electric Company. System of motor control. 1,814,865; July 14.
Staring, William H., Willoughby, Ohio, assignor to Automatic Registering Machine Company, Inc. Voting machine. 1,804,035; May 5.
Stark, Carl, New York, N. Y. Window cleaner. 1,835,440; Dec. 8.
Stark, Charles L., Cleveland, Ohio. Spring ball gun. 1,832,330; Nov. 17.
Stark, David, Arverne, N. Y. Shoe. 1,810,581; June 16.
Stark, Frederick W., assignor to International Silver Company, Meriden, Conn. Coffeepot or similar article. Des. 83,580; Mar. 3.
Stark, Frederick W., assignor to International Silver Company, Meriden, Conn. Cream pitcher or similar article. Des. 83,582; Mar. 3.
Stark, Frederick W., assignor to International Silver Company, Meriden, Conn. Sugar bowl or similar article. Des. 83,583; Mar. 3.
Stark, Gerald B., Sound Beach, Conn., assignor to The Patent and Licensing Corporation, Boston, Mass. Roll roofing. Des. 83,704; Mar. 17.
Stark, Harold. (See Heames, R. M., and Stark.)
Stark, Herbert S., Harris, Minn. Combustion-engine speed governor. 1,788,780; Jan. 13.
Stark, John W., Bowling Green, Ky. Rim end connecter. 1,807,106; May 26.
Stark, John W., Bowling Green, Ky. Demountable rim. 1,811,337; June 23.
Stark, Louis, Brooklyn, assignor to Kaster Specialty Manufacturing Company, Inc., New York, N. Y. Antirattling device for doors and the like. 1,815,596; July 21.
Stark Tool Company. (See Potter, Frederick T., assignor.)
Stark, Willet E. (See Fox, O., and Stark.)
Stark, Willet E., East Cleveland, assignor to The Bryant Heater & Manufacturing Company, Cleveland, Ohio. Air heater. 1,830,412; Nov. 3.
Stark, Willet E., East Cleveland, assignor to The Bryant Heater & Manufacturing Company, Cleveland, Ohio. Control for fuel burners. 1,835,993; Dec. 8.
Starke, August F. B., Shelby, Mont. Nutcracker. Des. 84,117; May 5.
Starke, Emil O., Chicago, Ill. Harp. 1,817,951; Aug. 11.
Starke, Otto, Berlin, Germany. Draft-regulating means. 1,832,748; Nov. 17.
Starke, Thomas J., and E. W. Farley, Richmond, Va. Compartment head. 1,837,343; Dec. 22.
Starkey, Frederick W., Logan, Pa. Tank float stopper. 1,807,450; May 26.
Starkey, Herbert C., Chadron, Nebr. Artificial hand. 1,821,081; Sept. 1.
Starkey, William C., Indianapolis, Ind. Drill for wells. 1,816,549; July 28.
Starkey, William C., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Clutch. 1,836,199; Dec. 15.
Starkey, William C., and D. T. Brownlee, assignors to L. G. S. Devices Corporation, Indianapolis, Ind. Separator driving machine. 1,813,095; July 7.
Starkey, William C., and D. T. Brownlee, assignors to L. G. S. Devices Corporation, Indianapolis, Ind. Reversing drive. 1,819,306; Aug. 18.
Starks, Joseph, Malvern, Ohio. Detachable heel. 1,831,268; Nov. 10.
Starnes, Lillie E. (See Wells, C. M., and Cook, assignors.)
Starr, Charles E., Los Angeles, Calif. Brake mechanism. 1,804,894; May 12.
Starr, Clarence D., Barrington, assignor to Barstow Stove Company, Providence, R. I. Cooking apparatus. 1,804,129; May 5.
Starr, Clarence D., Barrington, assignor to Barstow Stove Company, Providence, R. I. Electric range. 1,804,130; May 5.
Starr, Frank F. (See Dickey, E., and Starr.)
Starr, Frank F., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,837,297; Dec. 22.
Starr, Frank F., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,837,298; Dec. 22.
Starr, Howard. (See Starr, John H., and H.)
Starr, James H., Oak Park, Ill., assignor to Electrical Engineers Equipment Company. Electric fuse. 1,807,228; May 26.
Starr, John H., and H., Shickley, Nebr. Cultivator shovel mounting. 1,803,778; May 5.
Starr, Lewis T., Pecos, Tex. Cavity and cement basket. 1,834,434; Dec. 1.
Starr Piano Company, The. (See Topp, William H., assignor.)
Starrett, L. S., Company, The. (See Simpson, Robert J. O., assignor.)
Stars, Karl F., Elizabeth, N. P. Propeller. 1,800,112; Apr. 7.
Stas, Andrew W. (See Favorite, William T., assignor.)
Stasinski, Joseph, and H. Grotewold, Philadelphia, Pa. Hose narrowing device regulator and stop mechanism. 1,832,749; Nov. 17.
Stassano, Henri, Strasbourg, France. Sterilizing and pasteurizing liquids. 1,790,117; Jan. 27.
State Bank of Chicago, executor. (See Christopher, Carl J.)
State of Minnesota. (See Ramstad, Jorgen, assignor.)
State, Will C., Akron, Ohio. Coal pulverizer. 1,816,408; July 28.
State, Will C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-making apparatus. 1,792,778; Feb. 17.
State, Will C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Securing a tread to a tire carcass. 1,805,026; May 12.
States, Charles G., Cedaredge, assignor of one-eighth to E. R. Feighner, one-eighth to J. F. Rhodes, one-eighth to R. A. Peterson, and one-eighth to J. F. Warren, all of the counties of Montrose and Delta, Colo. Chute. 1,798,711; Mar. 31.
States Company, The. (See Blakeslee, Henry J., assignor.)
States, William H., Carbondale, Pa. Lamp stand. Des. 83,933; Apr. 14.
Statham, Noel, Irvington-upon-Hudson, N. Y. Flexible fastener. 1,800,966; Apr. 14.
Statham, Noel, Irvington-upon-Hudson, N. Y. Adjustable fastening device. 1,838,463; Dec. 29.
Stationers Loose Leaf Co. (See Lotter, Adolph G., assignor.)
Stationers Loose Leaf Co. (See Miller, Henry C., assignor.)
Statler, Lloyd W., and J. E. Hovermale, San Quentin, Calif. Lubricating pulley. 1,791,008; Feb. 3.
Staton, John C., assignor to The Coca-Cola Company, Atlanta, Ga. Refrigerator. 1,797,451; Mar. 24.
Staub, H. H., et al. (See Paulson, George W., assignor.)
Stauber, Georg, Berlin-Wilmersdorf, Germany. Seal tightening for centrifugal machines. 1,791,849; Feb. 10.
Staud, Cyril J. (See Murray, T. F., jr., and Staud.)
Staud, Cyril J. (See Webber, C. S., and Staud.)
Staud, Cyril J., and T. F. Murray, jr., assignors to Eastman Kodak Company, Rochester, N. Y. Improving cellulose ester films. 1,826,679; Oct. 6.
Staud, Cyril J., and R. H. Van Dyke, assignors to Eastman Kodak Company, Rochester, N. Y. Esterification of cellulose and the products resulting therefrom. 1,836,689; Dec. 15.
Staude, Edwin G., Minneapolis, Minn. Hydraulic steering mechanism for power propelled vehicles. 1,827,117; Oct. 13.
Stauder, Emanuel, assignor to Huther Brothers Saw Manufacturing Company, Rochester, N. Y. Hack saw sharpening machine. 1,831,204; Nov. 10.
Stauder, Emanuel, assignor to Huther Bros. Saw Mfg. Co., Inc., Rochester, N. Y. Making circular saws. 1,837,344; Dec. 22.
Staud, Cyril J., and C. S. Webber, assignors to Eastman Kodak Company, Rochester, N. Y. Changing the solubility of cellulose acetates. 1,813,685; July 7.
Staude, John M., assignor of one-third to A. I. Duval and one-third to C. A. Knott, Pittsburgh, Pa. Tube welding furnace. 1,806,028; May 19.
Stauder, Emanuel, assignor to Huther Brothers Saw Mfg. Co., Rochester, N. Y. Machine for grinding saws. 1,813,825; July 7.
Stauder, Emanuel, assignor to Huther Brothers Saw Manufacturing Company, Rochester, N. Y. Saw gauge. 1,814,266; July 14.
Stauf, Friedrich W. (See Kröner, G., and Stauf.)
Stauffer, Paul, Clearfield, Pa. Coupling for hose, pipe, or other conductors. 1,808,382; June 2.
Staunton, Le Roy W., Jackson Heights, N. Y., assignor to Brandes Laboratories, Inc., Newark, N. J. Sound reproducing diaphragm. 1,819,659; Aug. 18.
Staunton, Le Roy W., Jackson Heights, N. Y., and C. A. Brigham, East Orange, assignors to Brandes Laboratories, Inc., Newark, N. J. Sound reproducer and manufacturing the same. 1,819,627; Aug. 18.
Staus, John G., El Paso, Tex. Wheel stick. 1,799,185; Apr. 7.
Stauss, George W. (See Mooman, John W., assignor.)
Stave, Abraham, Brooklyn, N. Y. Submarine salvage apparatus. 1,824,694; Sept. 22.

Stay, Theron D., and H. O. Burrows, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Metal-recovering furnace. 1,797,276; Mar. 24.
Staynew Filter Corporation. (See Dollinger, Lewis L., assignor.)
Stay-Put Roller Shade Corporation. (See Schmelz, Charles F., assignor.)
Stazak, Michael B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,829,070; Oct. 27.
Stazak, Michael B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,829,071; Oct. 27.
Stea, Armond, Brooklyn, N. Y. Automobile. Des. 83,474; Feb. 24.
Stea, Armond, Brooklyn, N. Y. Automobile. Des. 83,475; Feb. 24.
Stead, Harold J., Geneva, N. Y. Spring-controlling device. 1,788,254; Jan. 6.
Stead, Harold J., assignor to Steadfast Mfg. Co., Inc., Geneva, N. Y. Spring checking device. 1,829,376; Oct. 27.
Steadfast Mfg. Co. (See Stead, Harold J., assignor.)
Steadfast Rubber Company. (See Clifford, James J., assignor.)
Steadman, Edwin E., and E. D. Kuhn, North Tonawanda, N. Y., said Kuhn assignor to said Steadman. Advertising screen. 1,811,766; June 23.
Stealy, Elza R., Shenandoah, Iowa. Paper folding machine. 1,809,000; June 9.
Stealy, Elza R., Shenandoah, Iowa. Appliance for and method of boxing in impressions, dentures, and the like. 1,834,980; Dec. 8.
Stearns, E. C., & Co. (See Acheson, Albert R., assignor.)
Stearns & Foster Company, The. (See Josephs, Samuel, assignor.)
Stearns & Foster Company, The. (See Nash, Benjamin S., assignor.)
Stearns & Foster Company, The. (See Parsons, Ethel, assignor.)
Stearns, Frank B. (See Canning, Eugene A., assignor.)
Stearns, Frank B., Cleveland, Ohio. Mechanism for controlling the supply of liquid fuel to internal combustion engines. 1,819,209; Aug. 18.
Stearns, Harry C., Oak Park, assignor of one-third to C. A. Whitsett, Chicago, and one-third to H. W. Larson, Downers Groves, Ill. Gasoline gauge for automobiles. 1,819,849; Aug. 18.
Stearns, Harry C., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Protective covering and producing such covering. 1,837,733; Dec. 22.
Stearns, Jason C., Worcester, Mass. Cigar lighter. 1,803,361; May 5.
Stearns, Ray, Schenectady, N. Y., assignor to General Electric Company. Marking device for vehicle runways. 1,836,823; Dec. 15.
Stebbings, Eugene, Freeport, Ill. Refreshment stand. Des. 85,555; Nov. 10.
Stebbins, Albert H., Los Angeles, Calif. Crank arm bearing. 1,804,958; May 12.
Stebbins, Albert H., Los Angeles, Calif. Anti-friction bearing. 1,807,451; May 26.
Stebbins, Albert H., Los Angeles, Calif. Sluice concentrator. 1,811,408; June 23.
Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,832,256; Nov. 17.
Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,834,981; Dec. 8.
Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,834,982; Dec. 8.
Stebbins Engineering & Manufacturing Company. (See Richter, August F., assignor.)
Stebbins, Frank E., Washington, D. C. Draft and buffing gear. 1,826,837; Oct. 13.
Stebbins, Harry Y. (See Buquor, A., and Stebbins.)
Stebbins, Livingston, administrator. (See Preble, James J.)
Stebbins, Timothy J., assignor to Red Jacket Mfg. Co., Davenport, Iowa. Pump jack. 1,800,232; Apr. 14.
Stebler Parker Co. (See Linfesty, Charles W., assignor.)
Stechauner, John, assignor of one-sixth to J. Haas, and one-sixth to G. Goetz, Milwaukee, Wis. Propelling mechanism. 1,813,552; July 7.
Stechbart, Bruno, assignor to The Bell & Howell Company, Chicago, Ill. Photographic film viewing and editing apparatus. 1,803,411; May 5.
Steckel, Rudolph P., Stevens Point, Wis. Liquid delivery line. 1,838,290; Dec. 29.
Stecker, Alfred J., Orchard Lake, Mich. Card dealing machine. 1,831,580; Nov. 10.
Stecker, Louis G., Philadelphia, Pa. Casting machine. 1,809,289; June 9.
Steckham, Richard. (See Bergen, G., Engelhardt, and Steckhan.)
Steckler, Nat P., New York, N. Y. Teether. Des. 85,142; Sept. 15.
Steckroth, Harry J., West Hazleton, Pa. Signal. 1,795,520; Mar. 10.
Stedefeld, Curt, Heidelberg, Germany. Running gear for high speed suspension cars. 1,805,928; May 19.
Stedefeld, Curt, Heidelberg, Germany. Torpedo shaped suspended railway vehicle for high speeds. 1,821,121; Sept. 1.
Stedefeld, Curt, and W. Black, Heidelberg, Germany; said Black assignor to said Stedefeld. Turning arrangement for monorail suspended vehicles. 1,825,683; Oct. 6.
Stedman, Charles C., Cleveland Heights, assignor to Centaur Tractor Corporation, Greenwich, Ohio. Sulky for plows and the like. 1,809,573; June 9.
Stedman, Charles T. (See Bowers, Charles R., assignor.)
Stedman, William A. (See Neill, W. A., and Stedman.)
Steed, Clarence C. (See Steere, E. H., and Steed.)
Steedle, Joseph J., Scranton, Pa. Electrostatic reproducer. 1,809,754; June 9.
Steedman, Edwin H., St. Louis, Mo. Shaft sealing device. 1,810,582; June 16.
Steedman, Edwin H., St. Louis, Mo. Cooling unit for refrigerating systems. 1,818,015; Aug. 11.
Steedman, Edwin H., St. Louis, assignor to Curtis Manufacturing Company, Wellston, Mo. Safety mechanism for automobile lifts. 1,818,016; Aug. 11.
Steel, Harry A., assignor to The Prosperity Company Inc., Syracuse, N. Y. Spring counterbalance and lock for pressing machines. 1,823,478; Sept. 15.
Steel-Bound Container Corporation. (See Wendell, Herman E., assignor.)
Steele, Alexis P., Statesville, N. C. Brick and tile machine. 1,815,809; July 21.
Steele, Alexis P., Statesville, N. C. Brick and tile machine. 1,815,810; July 21.
Steele, Carmi J., assignor of one-third to R. C. Troeger and one-third to W. R. Coates, Los Angeles, Calif. Lavatory. Des. 84,498; June 23.
Steele, Carmi J., assignor of one-third to R. C. Troeger and one-third to W. R. Coates, Los Angeles, Calif. Lavatory. Des. 84,499; June 23.
Steele, Carmi J., assignor of one-third to R. C. Troeger and one-third to W. R. Coates, Los Angeles, Calif. Bathtub. Des. 84,500; June 23.
Steele, Flake F., assignor to Pine Hall Brick & Pipe Co., Winston-Salem, N. C. Brick sander and method. 1,812,809; June 30.
Steele, Harry A., assignor to The Prosperity Company Inc., Syracuse, N. Y. Spring pad construction. 1,816,238; July 28.
Steele, Ira E., Sioux City, Iowa. Draft control. 1,822,321; Sept. 8.
Steele, James R. (See Moore, G. L., and Steele.)
Steele, James W., Dallas, Tex. Cuff creasing and buttonhole aligning device. 1,831,205; Nov. 10.
Steele and Johnson Manufacturing Company. (See Coe, Benjamin S., assignor.)
Steele, Lawrence C., Baltimore, Md. Sheet-spacing mechanism for tin pots. 1,791,044; Feb. 3.
Steele, Lawrence L., assignor of one-half to T. Moore, Washington, D. C. Process of and apparatus for applying a protective coating to motion picture films. 1,816,409; July 28.
Steele, Lee C., South Bend, Ind. Window screen. 1,799,484; Apr. 7.
Steele, Maurice G. (See Hart, M. S., and Steele.)
Steele, Ralph W., Madison Township, Clarion County, Pa. Display device. 1,826,533; Oct. 6.
Steele, Ray N., Cedar Rapids, Iowa. Engine piston. 1,803,362; May 5.
Steele, Ray N., Cedar Rapids, Iowa. Engine piston. 1,822,322; Sept. 8.
Steele, Thomas W., Dorton, Ky. Sand drier and screen device. 1,796,911; Mar. 17.
Steele, Thomas W., Hudson Falls, N. Y. Tractor wheel. 1,822,634; Sept. 8.
Steel Heddle Manufacturing Company. (See Kaufmann, John J., assignor.)
Steel Products Engineering Company, The. (See Scholl, Clark, assignor.)
Steel Sanitary Company, The. (See Cromwell, John C., assignor.)
Steelsmith, Frank R., Des Moines, Iowa. Wringer. 1,834,226; Dec. 1.
Steel and Tubes, Inc. (See Braun, Carl A., assignor.)
Steel and Tubes, Inc. (See Hallden, Karl W., assignor.)
Steel and Tubes, Inc. (See Holmes, Earl K., assignor.)
Steel and Tubes, Inc. (See Johnsen, Bjornulf, assignor.)
Steel and Tubes, Inc. (See Leckie, Herbert V., assignor.)
Steel and Tubes, Inc. (See Lewis, J. A., and Holmes, assignors.)
Steel and Tubes, Inc. (See Smith, Anthony R., assignor.)
Steel Wheel Corporation. (See Barber, William, assignor.)
Steel Wheel Corporation. (See Forsyth, George H., assignor.)
Steen, Harford K., Newburgh, N. Y. Manufacturing shopping bags. 1,799,072; Mar. 31.
Steen, Harry S., assignor to The Chicago Faucet Company, Chicago, Ill. Waste mechanism. 1,818,653; Aug. 11.
Steen, Henry, Vashon, Wash. Newspaper receptacle. 1,815,219; July 21.
Steen, Willa. (See Bolton, Becher B., assignor.)
Steeneck, Robert, assignor to The Western Union Telegraph Company, New York, N. Y. Rotary distributor. 1,817,717; Aug. 4.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Condenser for refrigerating systems. 1,797,029; Mar. 17.

Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Making heat exchangers. 1,797,030; Mar. 17.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Composite metal and brazing process therefor. 1,804,237; May 5.
Steere, Clarence E., assignor to Southwestern Engineering Corporation, Los Angeles, Calif. Liquid reagent feeder. 1,834,435; Dec. 1.
Steere, Edward H., and C. C. Steed, assignors of one-fourth to N. M. Cranford, one-fourth to C. C. Cranford, Asheboro, N. C., one-fourth to said Steere, and one-fourth to said Steed. Hosiery drier. 1,833,799; Nov. 24.
Steere, Frank W., Detroit, Mich., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Gas generating apparatus. 1,813,970; July 14.
Steere, George R., Owosso, Mich., assignor, by mesne assignments, to Semet-Solvay Engineering Corporation, New York, N. Y. Charging machine. Re18,292; Dec. 15.
Steere, George R., Owosso, Mich., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Self leveling U-gauge. 1,827,546; Oct. 13.
Steering Gear Manufacturing Co. (See Paulson, George W., assignor.)
Steerup, Godfrey, Maywood, assignor, by mesne assignments, to American Electric Company, Inc., Chicago, Ill. Electric condenser. 1,817,108; Aug. 4.
Steffan, George B., H. O. Williams, and G. H. Fletcher, Joliet, Ill. Combined safety zone and tower. Des. 83,581; Mar. 3.
Steffen, Adolf, assignor to Adams Bros. Mfg. Co., Inc., Pittsburgh, Pa. Radiant heater. Des. 85,450; Oct. 27.
Steffen, Le Roy J., Evanston, Ill., assignor to Hough Shade Corporation. Venetian blind. 1,816,500; July 28.
Steffen, Leroy J., Evanston, Ill., assignor to Hough Shade Corporation. Wood splint shade. 1,829,617; Oct. 27.
Steffens, Herman, Concordia, Mo. Cultivator. 1,814,345; July 14.
Steffler, William J., Anderson, Ind. Log and tree saw. 1,805,318; May 12.
Stege, John K. (See Atkinson, J. R., Goodell, and Stege.)
Stegeman, A. Vinton, jr., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Combined watchcase and bracelet. Des. 83,764; Mar. 24.
Stegeman, Albert J., Quincy, Ill., assignor to Westinghouse Electric and Manufacturing Company. Elevator cab. Des. 84,604; July 7.
Stegeman, Henry J., Fairfield, and D. Locke, assignors to The Locke Steel Chain Company, Bridgeport, Conn. Lawn mower. 1,819,133; Aug. 18.
Stegmann, Karl, assignor to Johne-Werk Grafische Maschinen-Aktiengesellschaft, Bautzen, Germany. Positioning means in paper cutting machines and the like. 1,825,928; Oct. 6.
Stehl, Conrad, Oakland, Calif. Cooker. 1,803,877; May 5.
Stehle, Karl, Hawthorne, N. J. Triple-atomization carburetor. 1,795,685; Mar. 10.
Stehlik, Rudolph F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Automatic telephone system. 1,789,606; Jan. 20.
Stehlik, Rudolph F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Multioffice telephone system. 1,793,448; Feb. 17.
Stehlik, Rudolph F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Service observation in telephone systems using call indicators. 1,795,350; Mar. 10.
Stehlik, Rudolph F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,799,485; Apr. 7.
Stehlik, Rudolph F., Chicago, Ill. and M. L. Pittevil, Antwerp, Belgium, assignors to Associated Telephone & Telegraph Company, Kansas City, Mo. Telephone system. 1,801,293; Apr. 21.
Stehlik, Rudolph F., assignor to Reserve Holding Company, Chicago, Ill. Multioffice telephone system. 1,815,169; July 21.
Steidle, Anton, Arlington, Mass. Brush. 1,799,260; Apr. 7.
Steidle, Charles, Byrnesville, Mo. Grain cleaning machine. 1,801,392; Apr. 21.
Steigel, Herbert W., et al. (See Furr, Harry L., assignor.)
Steigel, Mike, Buena Park, Calif. Vehicle signal. 1,799,030; Mar. 31.
Steigenberger, Friedrich, Ulm-on-the-Donau, Germany. Coupling for chains and the like. 1,802,224; Apr. 21.
Steiger, Heinrich. (See Lüscher, E., and Steiger.)
Steiger, Howard W., Lakewood, Ohio. Vise. 1,804,652; May 12.
Steiger, Norbert, et al. (See Herz, R., Bauer, and Steiger.)
Steiger, Norbert, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Indigoid vat dyestuffs. 1,816,550; July 28.
Steiger, Norbert, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacturing 1-halogen-2-amino-naphthalene-sulphonic acids. 1,821,038; Sept. 1.
Steik, Karl T., Elizabeth, N. J., assignor to Standard Oil Development Company. Purification of petroleum oils. 1,791,941; Feb. 10.
Steik, Karl T., and H. A. Cassar, Elizabeth, N. J., assignors to Standard Oil Development Company. Treating mineral oils. 1,803,140; Apr. 28.
Steimer, Charles M., executor. (See Steimer, Theodore C.)
Steimer, Theodore C., deceased, Pittsburgh, Pa., by C. M. Steimer, executor, Zanesville, Ohio, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass-feeding mechanism. 1,788,413; Jan. 13.
Steimmig, Gerhard, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Solution and plastic. 1,788,781; Jan. 13.
Steimmig, Gerhard, and H. Ulrich, Ludwigshafen-on-the Rhine, assignors to I. G. Farbeninaustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of esters. 1,817,425; Aug. 4.
Stein, A., & Company. (See Freiler, Abraham J., assignor.)
Stein, A., & Company. (See Gavitt, Arthur W., assignor.)
Stein, Berthold. (See Schirmacher, K., Stein, and Stenger.)
Stein, Charles, assignor to Societe Anonyme des Appareils des Manutention et Fours Stein, Paris, France. Furnace. 1,835,677; Dec. 8.
Stein, Emanuel D. (See Schisgall, Theodore, assignor.)
Stein, Emil G., assignor of one-half to H. L. Auerbach, Salt Lake City, Utah. Cap lock. 1,832,057; Nov. 17.
Stein, Erhard, assignor to Deuba, Deutsche Bautentrocknungs-Gesellschaft m. b. H., Hanover, Germany. Apparatus for heating and drying walls. 1,832,151; Nov. 17.
Stein, Friedrich, Saarbrucken, Germany. Clarinet. 1,805,929; May 19.
Stein, Hall & Company. (See Fackler, L. K., and Gardner, assignors.)
Stein, Irving L., Brooklyn, and C. H. Benington, West Hempstead, N. Y. Harmonica. 1,817,109; Aug. 4.
Stein, Jack. (See Kanofsky, Morris, assignor.)
Stein, Jacob, New York, N. Y. Making bathing caps and analogous articles. 1,790,118; Jan. 27.
Stein, Jacob, Brooklyn, N. Y. Nether garment. 1,808,614; June 2.
Stein, Jacob, Brooklyn, N. Y. Manufacturing inflatable articles. 1,834,078; Dec. 1.
Stein, Johannes, assignor to Deutsche Werke Kiel Aktiengesellschaft, Kiel, Germany. Contrivance for stowing cargo on ships. 1,792,940; Feb. 17.
Stein, John A., New York, N. Y., assignor to American Machine & Foundry Company. Cigarette machine drive. 1,810,932; June 23.
Stein, John A., New York, N. Y., assignor to American Machine & Foundry Company. Double belt cigarette collector. 1,824,413; Sept. 22.
Stein, John A., New York, N. Y., assignor to American Machine & Foundry Company. Drum type cigarette collector. 1,824,414; Sept. 22.
Stein, L. M., Company. (See Stein, Louis, assignor.)
Stein, Louis, assignor to L. M. Stein Company, Chicago, Ill. Loose leaf binder. 1,836,200; Dec. 15.
Stein, Samuel F., Williamsport, Pa. Motion-picture apparatus. 1,788,808; Jan. 13.
Stein, Samuel F., Williamsport, Pa. Garment. 1,788,809; Jan. 13.
Stein, Samuel F., Williamsport, Pa. Apparatus for electrical transmission of intelligence. 1,790,955; Feb. 3.
Stein, Walter R., Brainerd, Minn. Nozzle holder. 1,812,064; June 30.
Steinberg, David C., Philadelphia, Pa. Smoking stand. Des. 83,476; Feb. 24.
Steinberg, Emanuel S., et al. (See Gilowitz, Benjamin, assignor.)
Steinberg, Fritz, Barmen-Langerfeld, Germany, assignor to American Bemberg Corporation, New York, N. Y. Equalizing the color effect of cotton yarn to that of cuprammonium silk. 1,797,247; Mar. 24.
Steinberg, Harry C., et al. (See Bodes, Robert T., assignor.)
Steinberg, Jacob, Brooklyn, N. Y. Emergency tire. 1,791,293; Feb. 3.
Steinberg, Jacob, Brooklyn, N. Y. Mine railroad car. 1,815,082; July 21.
Steinberg, James E., Oklahoma City, Okla. Telephone transmitter silencer. 1,814,458; July 14.
Steinberg, John C., Sparta, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission with narrowed bands. 1,836,824; Dec. 15.
Steinberg, Solomon, Philadelphia, assignor to Louis Kraemer & Co. Inc., Stoney Creek Mills, Pa. Collar-closured poncho. 1,839,003; Dec. 29.
Steinbuch, Ewald, Basel, and G. Füllemann, Monthey, Valais, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Apparatus for obtaining light metals by electrolysis. 1,820,844; Aug. 25.
Steindorff, Ulrich F. L., and H. J. Heller, New York, N. Y. Shears. 1,796,812; Mar. 17.
Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Brake drum grinder. 1,830,723; Nov. 3.
Steiner, Amos P., and H. E. Balsiger, assignors to Landis Tool Company, Waynesboro, Pa. Hydraulic speed change. 1,789,785; Jan. 20.

Steiner, Amos P., P. Stoner, and C. P. Harrison, assignors to Landis Tool Company, Waynesboro, Pa. Crank grinding machine. 1,816,750; July 28.
Steiner, Frank M., Minneapolis, Minn. Laundry-identifying device. 1,788,211; Jan. 6.
Steiner, Frank M., Minneapolis, Minn., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,788,962; Jan. 13.
Steiner, Frank M., Minneapolis, Minn., assignor to Steiner Sales Company, Salt Lake City, Utah. Stop mechanism for towel cabinets. 1,803,363; May 5.
Steiner, George A., Salt Lake City, Utah, G. Wasileski and W. Murdo, Chicago, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,809,873; June 16.
Steiner, Ida A., Topeka, Kans. Wearing-apparel hanger. 1,795,903; Mar. 10.
Steiner, Louis, and A. Gambino, Brooklyn, N. Y. Vending machine casing. Des. 84,766; July 28.
Steiner, Oscar, Philadelphia, Pa., assignor to General Electric Company. Sound reproducing apparatus. 1,817,781; Aug. 4.
Steiner Sales Company. (See Grunwald, Albert C., assignor.)
Steiner Sales Company. (See Steiner, Frank M., assignor.)
Steiner Sales Company. (See Steiner, G. A., Wasileski, and Murdo, assignors.)
Steinersen, Albert H. (See Wahl, J. C., and Stenersen.)
Steinfeld, Harold L., St. Louis, Mo. Organ. 1,788,963; Jan. 13.
Steinfeld, Samuel. (See Wasserberg, Max, assignor.)
Steingassinger, Hans. (See Kogl, Frank, assignor.)
Steingruber, George. (See Richardson, W., and Steingruber.)
Steinhart, Alfons. (See Bormann, H. R., and Steinhart.)
Steinhart, Alfred, Pittsburgh, Pa. Apparatus for cleaning gases. 1,811,597; June 23.
Steinharter, Joseph J. (See Grossman, J. J., and Steinharter.)
Steinharter, Joseph J., New York, assignor to Cable Radio Tube Corporation, Brooklyn, N. Y. Handling and shipping apparatus. 1,792,715; Feb. 17.
Steinhauer, Fritz P., assignor of one-fifth to G. A. Schneider, Chicago, Ill. Portable oil and gas service stations. Re18,063; May 5.
Steinhauser, Joseph, Chicago, Ill. Clock controlled switch. 1,804,125; May 5.
Steinhilber, Ceasar, North Bergen, N. J. Removable saw handle. 1,806,922; May 26.
Steinhorst, Emil, & Sons, Inc. (See Steinhorst, W. C. and H. O., assignors.)
Steinhorst, Henry O. (See Steinhorst, W. C. and H. O.)
Steinhorst, Wilhelm, Leipzig, Germany. Nut lock. 1,816,551; July 28.
Steinhorst, William C. and H. O., assignors to Emil Steinhorst & Sons, Inc., Utica, N. Y. Furnace. 1,834,983; Dec. 8.
Steininger, William, Berwyn, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Lawn sprinkler. 1,827,339; Oct. 13.
Steininger, William, Berwyn, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Lawn sprinkler. 1,830,448; Nov. 3.
Steinke, August W., assignor, by mesne assignments, to American Electric Company, Inc., Chicago, Ill. Telephone system. 1,802,449; Apr. 28.
Steinke, Carl A. (See Heinel, Frank, assignor.)
Steinkellner, Walter, Vienna, Austria. Machine for preparing slices of bread and butter. 1,796,412; Mar. 17.
Steinle, Adolf, assignor to the firm: Carl Zeiss, Jena, Germany. Binocular telescope. 1,835,534; Dec. 8.
Steinle & Hartung, G. m. b. H. (See Röver, Albert, assignor.)
Steinle, William, administrator. (See Steinle, William J.)
Steinle, William A., Flushing, assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Compounding and vulcanizing rubber. 1,802,740; Apr. 28.
Steinle, William J., deceased; W. Steinle, administrator, Flushing, N. Y., assignor to The Hartford Rubber Works, Company, Hartford, Conn. Making tire casings. 1,801,759; Apr. 21.
Steinman, Harry H., St. Paul, Minn., assignor to No Frost Clear Vision Shield Company, Inc. Antifrost shield. 1,824,751; Sept. 22.
Steinmann, Frank, Sr., De Soto, Mo. Flying machine. 1,808,908; June 9.
Steinmann, Walter, Newark, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for making cases for books. 1,838,464; Dec. 29.
Steinmayer, Alwin G. (See Shatzer, J. A., and Steinmayer.)
Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Milwaukee, Wis. Switch. 1,789,991; Jan. 27.
Steinmayer, Alwin G., Milwaukee, Wis., assignor, by mesne assignments, to Line Material Company. Fuse. 1,792,613; Feb. 17.
Steinmayer, Alwin G., Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis. Cable clamp. 1,793,140; Feb. 17.
Steinmayer, Alwin G., assignor to Electrical Engineers Equipment Co., Chicago, Ill. Protecting and interrupting device for electric circuits. 1,799,198; Apr. 7.
Steinmayer, Alwin G., Milwaukee, assignor, by mesne assignments, to Line Material Company, South Miwaukee, Wis. Fuse box. 1,802,450; Apr. 28.
Steinmayer, Alwin G., assignor to Electrical Engineers Equipment Company, Chicago, Ill. End bell. 1,802,584; Apr. 28.
Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Expulsion fuse. 1,815,958; July 28.
Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Tool for shaping the ends of conduits. 1,823,959; Sept. 22.
Steinmayer, Alwin G., Milwaukee, and W. E. Krueger, assignors to Line Material Company, South Milwaukee, Wis. Switch. 1,834,984; Dec. 8.
Steinmetz, Charles R., Oklahoma City, and H. F. McKinney, Okmulgee, Okla. 1,812,272; June 30.
Steinour, John E., Los Angeles, Calif. Sharpening tool. 1,808,267; June 2.
Steinway & Sons. (See Vietor, Frederick A., assignor.)
Steirly, Albert R., Houston, Tex. Pump piston. 1,833,920; Dec. 1.
Stelfox, James C., Westminster, London, England, assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Manufacturing gas. 1,822,547; Sept. 8.
Stell, Alfred, Ingrow, Keighley, England. Machine for producing yarns or threads of fibrous substances. 1,795,351; Mar. 10.
Stelling, Franz R., Roseville, Sydney, New South Wales, Australia. Apparatus for the manufacture of boxes of cardboard and the like. 1,824,241; Sept. 22.
Stelling, Hermann C. (See Hunt, W. F., and Stelling.)
Stelling, Hermann C., Orangeburg, N. Y., assignor to Union Carbide Sales Company. Acetylene generator. 1,833,006; Nov. 24.
Stelling, William A., assignor to The Textile-Finishing Machinery Company, Providence, R. I. Tenter clip. 1,799,446; Apr. 7.
Stelling, William A., Providence, R. I., assignor to The Textile-Finishing Machinery Company. Tenter chain link. 1,822,676; Sept. 8.
Stelos Company, The. (See Dunn, C. R., and Rahn, assignors.)
Stelzer, Franz, H. B., assignor to the Firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Spreading cut tobacco. 1,808,794; June 9.
Stelzer, Franz, H. B., assignor to the Firm "Universelle" Cigarettenmaschinen-Fabrik, J. C. Muller & Co., Dresden, Germany. Spreading cut tobacco. 1,808,795; June 9.
Stelzer, Franz H. B., assignor to the firm Johann Carl Muller, Dresden, Germany. Apparatus for forming cigar bunches. 1,817,326; Aug. 4.
Stelzer, Otto R. (See Hanson, W. I., and Stelzer.)
Stelzer, William, Chicago, Ill., assignor to Bendix Aviation Corporation, New York, N. Y. Elastically mounted self adjusting airfoil. Re18,181; Sept. 8.
Stelzer, William, Chicago, Ill., assignor to American Propeller Company, Baltimore, Md. Propelling device for aircraft and the like. 1,817,952; Aug. 11.
Stelzer, William, Chicago, Ill., assignor to American Propeller Company, Baltimore, Md. Propelling device for aircraft and the like. 1,821,450; Sept. 1.
Stelzner, Hermann, assignor to Dr. O. H. Dräger, Lubeck, Germany. Gas protective mask for animals, particularly for horses. 1,812,380; June 30.
Stem, Kellar ,assignor to Grand Rapids Bookcase & Chair Company, Hastings, Mich. Cabinet. Des. 85,221; Sept. 22.
Stem, Russell W., Bethlehem, Pa. Furnace control. 1,833,921; Dec. 1.
Stember, Bernard, New York, N. Y. Pocket. 1,787,706; Jan. 6.
Stemmons, Clarence H., Kansas City, Mo. Sock liner. 1,824,176; Sept. 22.
Stempelwerk Gesellschaft mit beschrankter Haftung. (See Ludwig, Hans, assignor.)
Sten, John. (See Kunian, P., and Sten.)
Stender, Waldemar, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemenstadt, near Berlin, Germany. Apparatus for automatically controlling the steam generation in high-pressure steam plants. 1,832,150; Nov. 17.
Stene, Manfred. (See Alsaker, A., and Stene.)
Stenfors, Frans I. E. (See Olsson, J. G., and Stenfors.)
Stengel, Leonard A. (See Edmonds, W. J., and Stengel.)
Stengel, Leonard A., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Catalytic apparatus. 1,803,306; Apr. 28.
Stenger, Albert, Portland, Oreg. Pinning clamp. 1,807,801; June 2.
Stenger, Edwin P., J. R. Cartlidge, Cincinnati, Ohio, and F. Cartlidge, Chicago, Ill., assignors to The Cincinnati Mine Machinery Company, Cincinnati, Ohio. Mining-machine bit and bit holder. 1,795,804; Mar. 10.
Stenger, Konrad. (See Schirmacher, K., Stein, and Stenger.)
Stengl, Rudolph J. (See Davis, S. H., Anderson, Stengl, Smith, and Hanley.)
Stenhouse, David. (See Stenhouse, T. and D.)
Stenhouse, Thomas, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass feeder. 1,809,794; June 9.
Stenhouse, Thomas, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Glass feeder. 1,819,446; Aug. 18.

Stenhouse, Thomas, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Glass feeder. 1,832,331; Nov. 17.
Stenhouse, Thomas and D., Washington, Pa., assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Transfer apparatus. 1,808,689; June 2.
Stenhouse, Thomas and D., Washington, Pa., assignors to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass forming machine. 1,809,793; June 9.
Stenner, Karl A., Farmington, Conn. Tube expander and expanding tubes. 1,813,096; July 7.
Stenning, William W. (See Broadbridge W., Edser, and Stenning.)
Stensrud, John A., Oriska, N. Dak. Horse collar. 1,803,216; Apr. 28.
Stenzel, Amos E., Whittier, assignor of one-fourth to P. G. Ritter, one-fourth to C. R. Welsh, Los Angeles, and one-fourth to J. A. Rachal, Bakersfield, Calif. Metal awning. 1,795,521; Mar. 10.
Stepankow, Nikolas. (See Boyko, John, assignor.)
Stephan, Jack F., Los Angeles, Calif. Jarring tool. 1,794,991; Mar. 3.
Stephan, Karl, and F. Ulffers, Berlin-Charlottenburg, assignors to Schering-Kahlbaum Aktiengesellschaft, Berlin, Germany. Manufacture of esters of the borneols. 1,838,465; Dec. 29.
Stephani, Sophie, née Kaus, Zurich, Switzerland. Casing for a massage apparatus with hose and cup attached. Des. 84,383; June 9.
Stephens, Arnold A., Davenport, Iowa. Automotive piston. 1,805,957; May 19.
Stephens, Arnold A., Davenport, Iowa. Hollow piston. 1,805,958; May 19.
Stephens, Arnold A., Davenport, Iowa. Motor piston. 1,805,959; May 19.
Stephens, Arnold A., assignor of one-half to G. E. Weeks, Davenport, Iowa. Piston construction. 1,805,960; May 19.
Stephens, Arthur G., London, England. Stocking. Des. 85,125; Sept. 15.
Stephens, C. V., et al. (See Smithson, W. D., and Hair, assignors.)
Stephens, Charles, Cincinnati, assignor of one-half to F. E. Bevier and one-half to A. Levinson, Hamilton County, Ohio. Automotive accessory. 1,794,803; Mar. 3.
Stephens, Charles D., San Antonio, Tex., assignor to Stephens Pump Company, Dover, Del. Pump. 1,832,257; Nov. 17.
Stephens, Charles D., San Antonio, Tex., assignor to Stephens Pump Company, Dover, Del. Pump. 1,832,258; Nov. 17.
Stephens, Charles D., San Antonio, Tex., assignor to Stephens Pump Company, Dover, Del. Pump. 1,832,259; Nov. 17.
Stephens, Edward A., Los Angeles, Calif. Tool attachment means. 1,826,098; Oct. 6.
Stephens, Elton S., Chicago, Ill., assignor to Central Commercial Company. Testing device. 1,827,547; Oct. 13.
Stephens, George H., Northbrook, assignor to The Hammond Clock Company, Chicago, Ill. Clock case or similar article. Des. 84,118; May 5.
Stephens, George H., Northbrook, Ill., assignor to The Hammond Clock Company, Chicago, Ill. Clock case. Des. 84,263; May 26.
Stephens, George H., Northbrook, assignor to The Hammond Clock Company, Chicago, Ill. Clock dial. Des. 85,010; Sept. 1.
Stephens, George H., Northbrook, assignor to The Hammond Clock Company, Chicago, Ill. Clock case. Des. 85,011; Sept. 1.
Stephens, George H., Northbrook, and R. D. Budlong, assignors to The Hammond Clock Company, Chicago, Ill. Clock case. Des. 85,603; Nov. 17.
Stephens, George H., Northbrook, and R. D. Budlong, assignors to The Hammond Clock Company, Chicago, Ill. Clock case. Des. 85,604; Nov. 17.
Stephens, George H., Northbrook, and R. D. Budlong, assignors to The Hammond Clock Company, Chicago, Ill. Combined dial and hands for a clock. Des. 85,719; Dec. 8.
Stephens, Harold D., Albany, N. Y. Doorcheck. 1,802,741; Apr. 28.
Stephens, Harry H., and J. L. Haring, Glen Rock, N. J. Centrifugal machine. 1,815,934; July 28.
Stephens, Henry, Cleveland, Ohio, assignor to The P & M Company, Chicago, Ill. Rail joint anchor. 1,835,820; Dec. 8.
Stephens, I. F. (See Stephens, John E., assignor.)
Stephens, John E., assignor of one-half to I. F. Stephens, Houston, Tex. Pipe handling apparatus. 1,829,879; Nov. 3.
Stephens, L. W., et al. (See Smithson, W. D., and Hair, assignors.)
Stephens, Lucien A., Angels Camp, Calif. Fire fighting tool. 1,827,118; Oct. 13.
Stephens, M. D., et al. (See Smithson, W. D., and Hair, assignors.)
Stephens, M. L., et al. (See Smithson, W. D., and Hair, assignors.)
Stephens, Noble E., New York, N. Y. Color chart. 1,832,750; Nov. 17.
Stephens, O. G., et al. (See Smithson, W. D., and Hair.)
Stephens, Percy W., Chicago, Ill. Detachable handle for cooking utensils. 1,818,284; Aug. 11.
Stephens Pump Company. (See Stephens, Charles D., assignor.)
Stephens, Robert M., Winnipeg, Manitoba, Canada. Fire escape. 1,826,263; Oct. 6.
Stephens, Thomas G., Lakewood, Ohio, assignor, by mesne assignments, to Krebs Pigment & Color Corporation, Wilmington, Del. Making lithopones of high zinc sulphide content. 1,822,911; Sept. 15.
Stephens, Thomas J., Chicago, Ill., assignor of one-fourth to F. M. Spann, and one-eighth to P. H. Hirschmann, New York, N. Y. Apparatus for sharpening razor blades. 1,803,364; May 5.
Stephenson, Grover E., Benton, Tenn. Plow. 1,789,786; Jan. 20.
Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Sewing machine. 1,794,255; Feb. 24.
Stephenson, Isaac L., Darrouzett, Tex. Tightening the platform canvas of combined harvester-thrashers. 1,796,127; Mar. 10.
Stephenson, Leonard D., Ashland, Oreg. Amalgamator. 1,805,930; May 19.
Stephenson, Paul A., assignor to Eastman Kodak Company, Rochester, N. Y. Motor operated motion picture camera. 1,809,256; June 9.
Stephenson Protectahood Corporation. (See Stephenson, Robert J., assignor.)
Stephenson, Robert J., assignor to Stephenson Protectahood Corporation, Auburn, N. Y. Automobile hood lining. 1,804,895; May 12.
Stephenson, Thomas B., Springfield, Mass. Combination of bottle and closure therefor. 1,788,129; Jan. 6.
Steppan, Thomas, Montreal, Quebec, Canada. Extension table. 1,801,886; Apr. 21.
Sterba, Ernest J., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Antenna system. 1,792,662; Feb. 17.
Sterk, Frank R., Kansas City, Mo. Battery case. 1,827,625; Oct. 13.
Sterling, Bernard A., Chicago, Ill. Barrette. 1,830,140; Nov. 3.
Sterling, Claude H. (See Lee, C. L., and Sterling.)
Sterling, Claude H., assignor to General Motors Corporation, Detroit, Mich. Overgear transmission. 1,803,949; May 5.
Sterling Clock Co., Inc. (See Stern, Lewis J., assignor.)
Sterling Company, The. (See Jacobs, Frances A., assignor.)
Sterling Corporation, The. (See Flammang, J., and Bowser, assignors.)
Sterling Electric Motors, Inc. (See Johnson, Carl E., assignor.)
Sterling Electric Motors, Inc. (See Johnson, C. E., and Mendenhall, assignors.)
Sterling Engineering and Manufacturing Corporation. (See Hall, Edwin S., assignor.)
Sterling, Frank W., Long Island, assignor to Skiboard Corporation, New York, N. Y. Motor surf board. 1,814,772; July 14.
Sterling, Leroy P., Williamsport, Pa., assignor to A C Spark Plug Company, Flint, Mich. Detachable filter cover. 1,805,455; Mar. 12.
Sterling Manufacturing Company, The. (See Barnhart, Job R., assignor.)
Sterling Manufacturing Company. (See Catlin, Thomas S., assignor.)
Sterling Range and Furnace Corporation. (See Soults, Thomas A., assignor.)
Sterling, Royal, assignor to Royal Protector Company, Boston, Mass. Protecting device for pipe coverings or the like. 1,820,845; Aug. 25.
Sterling Siren Fire Alarm Company. (See Armstrong, Merton C., assignor.)
Sterling Spring Company. (See Beaumont, George H., assignor.)
Stern, Arthur B., Fanwood, N. J., assignor to American Telephone and Telegraph Company. Telephone system. 1,831,931; Nov. 17.
Stern, Emanuel M., Chicago, Ill. Operating ventilators on automobiles. 1,798,503; Mar. 31.
Stern, Ernest, Berlin-Charlottenburg, Germany. Preparing a calcium-carbohydrate compound. 1,807,608; June 2.
Stern, Jerome B., and B. S. Franklin, New York, N. Y. Lighter. 1,830,965; Nov. 10.
Stern, Jerome B., and B. S. Franklin, New York, N. Y. Lighter. 1,830,966; Nov. 10.
Stern, Joham and Grossman, Inc. (See Joham, Charles W., assignor.)
Stern, Lewis J., New York, N. Y., assignor to Sterling Clock Co., Inc. Electrically operated clock. 1,821,820; Sept. 1.
Stern, Louis, Company. (See Bellavance, Paul, assignor.)
Stern, Louis J., New York, N. Y. Container. 1,793,526; Feb. 24.
Stern, Milton C., and F. E. Pfeiffer, assignors to The Egry Register Company, Dayton, Ohio. Autographic register. 1,793,760; Feb. 24.
Stern, Nathan, assignor to Alfred Teves Maschinen-und Armaturen-Fabrik Gesellschaft mit beschrankter Haftung, Frankfort-on-the-Main, Germany. Brake. 1,825,555; Sept. 29.

Stern, Paul, Huckingen-on-the-Rhine, Germany. Reenforcing structure for blast-furnace casings. 1,792,614; Feb. 17.
Stern, Yermie G., New York, N. Y. Dress. Des. 85,673; Dec. 1.
Stern, Yermie G., New York, N. Y. Suit. Des. 85,777; Dec. 15.
Stern, Yermie G., New York, N. Y. Dress. Des. 85,778; Dec. 15.
Stern, Yermie G., New York, N. Y. Dress. Des. 85,779; Dec. 15.
Stern, Yermie G., New York, N. Y. Dress. Des. 85,780; Dec. 15.
Stern, Yermie G., New York, N. Y. Dress. Des. 85,781; Dec. 15.
Stern, Yermie G., New York, N. Y. Dress. Des. 85,782; Dec. 15.
Stern, Yermie G., New York, N. Y. Suit. Des. 85,783; Dec. 15.
Stern, Yermie G., New York, N. Y. Dress. Des. 85,784; Dec. 15.
Stern, Yermie G., New York, N. Y. Dress. Des. 85,785; Dec. 15.
Stern, Yermie G., New York, N. Y. Suit. Des. 85,786; Dec. 15.
Stern, Yermie G., New York, N. Y. Dress. Des. 85,787; Dec. 15.
Stern, Yermie G., New York, N. Y. Dress. Des. 85,788; Dec. 15.
Sternau, Bernhard, Islip Terrace, N. Y. Game board. Des. 85,066; Sept. 8.
Sternberg, Georg, Berlin, Germany. Box with removable lid. 1,799,994; Apr. 7.
Sternbergh, Layman M., Ocean Grove, N. J. Skee-ball apparatus. 1,826,964; Oct. 13.
Stern-Gesellschaft fur Moderne Grundbautechnik m. b. H. (See Zeissl, Ignaz, assignor.)
Sternbergh, Layman M., Ocean Grove, N. J. Splash guard and tile for forming the same. 1,807,107; May 26.
Sterolene Company, The. (See Ford, Burdette E., assignor.)
Sterrett, Walter R., Muncie, Ind., assignor to Ball Brothers Company. Glass jar. Des. 85,067; Sept. 8.
Stertzbach, Harry W. (See Johnson, G. T., and Stertzbach.)
Sterzel, Kurt A., assignor to the Firm Koch & Sterzel, Aktiengesellschaft, Dresden, Germany. Apparatus for comparing quantities of alternating-current systems. 1,826,191; Oct. 6.
Stetson, Charles C., St. Paul, Minn. Toy. 1,803,365; May 5.
Stetson, Charles C., St. Paul, Minn. Signal rocket. 1,803,366; May 5.
Stetson, Charles C., St. Paul, Minn. Toy. 1,803,490; May 5.
Stetson, Leon W., West Newton, Mass. Shoe. Des. 84,858; Aug. 11.
Stetson, Leon W., West Newton, Mass. Blade holder. 1,813,686; July 7.
Stetter, Fritz C., Irvington, assignor to Simon Miller & Co., Newark, N. J., a copartnership composed of M. Miller and E. Miller. Link bracelet. Des. 84,717; July 21.
Stettiner Chamotte-Fabrik Actien-Gesellschaft vormals Didier. (See Wolfsholz, August, assignor.)
Stettner, Morris, Brooklyn, N. Y. Fireplace or article of similar nature. Des. 83,361; Feb. 17.
Steuart, Douglas S. S., Regent's Park, London, England. Mouthpiece arrangement for use with telephones and the like. 1,818,654; Aug. 11.
Steudel, George E., Chicago, Ill. Checkerwork. 1,826,227; Oct. 6.
Steurer, John H., Rockville Center, N. Y. Photo-electric sound-transforming device. 1,789,607; Jan. 20.
Steurs, Jean M. M. A., assignor to Societe Anonyme Manufacture d' Appareils Graisseurs, Vilvorde, Belgium. Lubricating pad. 1,810,443; June 16.
Stevelman, Nathan, assignor of one-half to S. Golub, New York, N. Y. Counterbalance weight. 1,814,610; July 14.
Stevelman, Nathan, assignor of one-half to S. Golub, New York, N. Y. Lift device. 1,839,127; Dec. 29.
Stevens, Arthur, assignor to The Vol-U-Meter Co., Inc., Buffalo, N. Y. Filling device. 1,804,445; May 12.
Stevens, Arthur J., Joliet, Ill. Wall calendar. 1,836,626; Dec. 15.
Stevens, Benjamin H., New Britain, Pa. Child's scooter and coaster. 1,838,877; Dec. 29.
Stevens, Carroll T., Columbus, Ohio. Windshield wiper. 1,801,373; Apr. 21.
Stevens, Charles E., and A. Mamor, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Telephone system. 1,820,682; Aug. 25.
Stevens, Charles E., and M. den Hertog, Antwerp, Belgium, assignors to Western Electric Company, Incorporated, New York, N. Y. Register equipment for automatic telephone exchanges. 1,831,399; Nov. 10.
Stevens, Charles W., Columbus, Ohio. Valve mechanism. Re18,244; Nov. 3.
Stevens, Clarence C., assignor to The New Departure Manufacturing Company, Bristol, Conn. Grinding machine. 1,817,953; Aug. 11.
Stevens, Clarence E., assignor to White Sewing Machine Corporation, Cleveland, Ohio. Desk hinge. 1,791,690; Feb. 10.
Stevens, Clarence E., assignor to White Sewing Machine Corporation, Cleveland, Ohio. Desk hinge. 1,791,691; Feb. 10.
Stevens, Darwin E., and Charles E. Brown, Duluth, Minn. Vibrating stool. Des. 84,859; Aug. 11.
Stevens, David A. (See Goudey, E. G., Stevens, and Crafts.)
Stevens, Delmar A., Chicago, Ill. Shoe box. 1,790,119; Jan. 27.
Stevens, Donald R., Ridgewood, assignor to The Watson Machine Company, Paterson, N. J. Reel crutch. 1,807,802; June 2.
Stevens, Edward. (See Mason, W. K., and Stevens.)
Stevens, Edward R., and A. F. Nicolai, Portland, Oreg. Device for time dipping. 1,809,991; June 16.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Tool and retaining means therefor. 1,789,567; Jan. 20.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Air-line lubricator. 1,791,045; Feb. 3.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Packing. 1,792,875; Feb. 17.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Coil-spring retainer. 1,796,487; Mar. 17.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Rivet set clip. 1,801,577; Apr. 21.
Stevens, Edward W., Detroit, Mich, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Peening apparatus. 1,812,726; June 30.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Squeeze riveter. 1,816,918; Aug. 4.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Locking device for fluid pressure tools. 1,822,248; Sept. 8.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Throttle handle. 1,825,290; Sept. 29.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Rivet cutting gun. 1,829,309; Oct. 27.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic hammer. 1,832,432; Nov. 17.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Fluid pressure tool. 1,836,779; Dec. 15.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Plate valve mechanism for fluid pressure tools. 1,837,799; Dec. 22.
Stevens, Edwin D., Lansdowne, Pa., and J. G. Stradling, Atlantic City, N. J., assignors to The John C. Winston Company, Philadelphia, Pa. Holder for word and phrase cards. 1,790,287; Jan. 27.
Stevens, Elbridge W., Baltimore, Md. Spark plug. 1,822,462; Sept. 8.
Stevens, George D., Hartford City, Ind., assignor to Dilts Machine Works, Inc., Fulton, N. Y. Self-dumping rag catcher for beating engines. 1,791,388; Feb. 3.
Stevens, George E., Laconia, N. H. Practice drum. 1,789,992; Jan. 27.
Stevens, George H., Woodbury Heights, N. J. Safety valve. 1,820,403; Aug. 25.
Stevens, George H., Newark, N. J. Vulcanizing rubber. 1,831,932; Nov. 17.
Stevens, Golder E., Seminole, Okla. Dilating irrigator. 1,828,986; Oct. 27.
Stevens, Harry F., Bartlesville, Okla. Valve. 1,821,992; Sept. 8.
Stevens, Henry A. (See Adams, J. W., jr., and Stevens.)
Stevens, Henry V. (See Hicks, Irving C., assignor.)
Stevens, Henry V., Topeka, Kans. Boiler. 1,819,134; Aug. 18.
Stevens, Herman A., Kalamazoo, Mich. Pneumatic hammer. 1,804,712; May 12.
Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Caster testing device. 1,811,285; June 23.
Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire mold opener. 1,820,892; Aug. 25.
Stevens, Horace F., Kenilworth, N. J. Controlling means. 1,810,376; June 16.
Stevens, J. P., Engraving Co. (See Dixon, Paul, assignor.)
Stevens, James L., Hayden, Ariz., assignor to Raconite Chemical Company. Concentration of ores, minerals and the like. 1,805,855; May 19.
Stevens, John A., Lowell, Mass., assignor to The Upson Company, Lockport, N. Y. Platen support for heat processing machines. 1,803,779; May 5.
Stevens, Leslie, Glen Ridge, N. J., assignor to Stevens Manufacturing Corporation, New York, N. Y. Loudspeaker. Des. 83,705; Mar. 17.
Stevens Manufacturing Corporation. (See Sibley, James T., assignor.)
Stevens Manufacturing Corporation. (See Stevens, Leslie, assignor.)
Stevens Metal Products Company, The. (See Boye, Charles, assignor.)

Stevens Metal Products Company, The. (See Cornell, Vernon E., assignor.)
Stevens, Norman L., assignor to The William L. Gilbert Clock Company, Winsted, Conn. Clock case. Des. 83,882; Apr. 7.
Stevens, Paul S., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Excavating machinery. 1,818,106; Aug. 11.
Stevens, Perley E., Chicago, Ill., assignor of one-third to S. E. Hess and one-third to L. Pistner, St. Paul, Minn. Bascule bridge. 1,827,916; Oct. 20.
Stevens, Raymond K., Sidney, Iowa. Water fountain for poultry. 1,818,017; Aug. 11.
Stevens, Robert C., Erie, Pa. Steam engine. 1,798,816; Mar. 31.
Stevens, Robert W., Granite City, Ill. Automobile wheel brake. 1,810,628; June 16.
Stevens, Royale H., G. C. Norris, and W. N. Watson, assignors to Rhodesia Broken Hill Development Company, Limited, Broken Hill, Northern Rhodesia. Acid extraction of metals such as zinc and vanadium. 1,795,412; Mar. 10.
Stevens, Royale H., G. C. Norris, and W. N. Watson, Broken Hill, Northern Rodesia, South Africa, assignors to Rodesia Broken Hill Development Company Limited, Broken Hill, Northern Rodesia. Removal of phosphorus from metal bearing solutions. 1,812,761; June 30.
Stevens, Roy R., Forest Hills, Pa., assignor, by mesne assignments, to Cardwell Westinghouse Company, Chicago, Ill. Friction draft gear. 1,831,890; Nov. 17.
Stevens, Stanley G., New Canaan, Conn. Locating sunken vessels. 1,791,910; Feb. 10.
Stevens, Thomas A., Wolverhampton, England. Stopper or closure. 1,832,591; Nov. 17.
Stevens & Thompson Paper Company. (See Fisk, Ira T., assignor.)
Stevens Walden, Incorporated. (See Carlberg, August E., assignor.)
Stevens, William, Los Angeles, Calif, assignor, by mesne assignments, to Jack Hibbard, Detroit, Mich. Ice cream handling machine for filling confection shells. 1,801,578; Apr. 21.
Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Apparatus for cleaning or polishing articles. 1,799,332; Apr. 7.
Stevens, William C., Akron, Ohio, assignor, by mesne assignments, to Firestone Footwear Company, Boston, Mass. Separable fastener. 1,816,501; July 28.
Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Winding and reeling device. 1,819,989; Aug. 18.
Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Bond cutting machine. 1,819,990; Aug. 18.
Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Band cutting machine. 1,819,991; Aug. 18.
Stevens, William C., Milwaukee, Wis., assignor, by mesne assignments, to Cutler-Hammer, Inc. Phase failure and phase reverse protective device for polyphase alternating current circuits. 1,826,099; Oct. 6.
Stevens, William N., Lakewood, Ohio. Chuck. 1,838,714; Dec. 29.
Stevens, William O., Detroit, Mich., assignor to Anti Hot Box Company, Incorporated, Princeton, Ill. Treating lubricants. 1,796,310; Mar. 17.
Stevenson, Arthur E., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Container for food products. 1,811,160; June 23.
Stevenson, Arthur G., Rochester, N. Y. Combined pencil and lighter. Des. 83,181; Jan. 27.
Stevenson, Ashton G., Chicago, Ill. Printer's furniture. 1,835,353; Dec. 8.
Stevenson, Cary H., Chicago, Ill., assignor to Hevi Duty Electric Company, Milwaukee, Wis. Corrugated pot. 1,825,556; Sept. 29.
Stevenson, David A., Edinburgh, Scotland. Radio remote control device. 1,814,346; July 14.
Stevenson, Edward E., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Placing liners in sleeves for deep-well oil pumps. 1,792,941; Feb. 17.
Stevenson, Edward E., Los Angeles, assignor to Emsco Derrick and Equipment Company, Los Angeles, Calif. Constructing valve. 1,829,022; Oct. 27.
Stevenson, Ernest, West Haven, Conn., assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,806,768; May 26.
Stevenson, Francis E., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,788,414; Jan. 13.
Stevenson, Francis E., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,798,281; Mar. 31.
Stevenson, Francis E., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,837,300; Dec. 22.
Stevenson, Frank V. (See Peterman, R. B., and Stevenson.)
Stevenson, George E., Indianapolis, Ind. Flexible structure. 1,790,028; Jan. 27.
Stevenson, George E., Indianapolis, Ind. Elevator element. 1,803,367; May 5.
Stevenson, George H., Sound Beach, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Volume-control circuits. 1,788,035; Jan. 6.
Stevenson, George H., Sound Beach, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Non-singing amplifier. 1,832,261; Nov. 17.
Stevenson, Harvey J., and M. Kessler, assignors to National Manicuring Machine Co., Los Angeles, Calif. Casing for a manicuring motor. Des. 83,019; Jan. 6.
Stevenson, Harvey J., and Merrill Kessler, assignor to National Manicuring Machine Company, Los Angeles, Calif. Manicuring instrument. 1,832,260; Nov. 17.
Stevenson, Hilary T., New York, N. Y. Coupling device. 1,792,128; Feb. 10.
Stevenson, John F., Belfast, Northern Ireland. Jacking device for road vehicles. 1,834,295; Dec. 1.
Stevenson, Malcolm. (See Good, J., and Stevenson.)
Stevenson, Wilbur W., Pittsburgh, Pa. Fluid flow meter. 1,804,036; May 5.
Stevenson, William E., Pittsburgh, Pa. Pump. 1,818,171; Aug. 11.
Stevenson, William M. (See Greaves, W. B., and Stevenson.)
Steventon, Seth E., Mt. Carmel, and D. H. Wiggs, Danville, Ill. Safety door catch. 1,812,762; June 30.
Steves, Harold M. (See Chandler, Edgar J., assignor.)
Steves, Vernon, Oleum, Calif. Propagating apparatus for mushroom culture. 1,808,383; June 2.
Stevick, Robert S. (See Schultz W. J., and Stevick.)
Steward, Joseph E., Prince George, British Columbia, Canada. Vertically adjustable gun sight. 1,814,975; July 14.
Stewart, Albert E., Franklin, N. H., assignor to Hemphill Company, Central Falls, R. I. Knitting machine. 1,835,994; Dec. 8.
Stewart, Alexander, Denver, Colo. Retort for the treatment of oil shales, bitumens, hydrocarbons, and other elements. 1,800,366; Apr. 14.
Stewart, Alexander W., Glasgow, Scotland. Cooling and ventilating apparatus. 1,838,466; Dec. 29.
Stewart, Arthur L. (See McMullen, F. E., Gleason, and Stewart.)
Stewart, Bayard S., assignor of four-fifths to General Aircraft Corporation, Hazleton, Pa. Concentric hinge connection for airplane control surfaces. 1,804,520; May 12.
Stewart, Burns A. (See Fischer, A. C., Stewart, and Herbst.)
Stewart, Carlton D., Berkeley, Calif., assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Oiling device. 1,816,096; July 28.
Stewart, Charles J., Meadville, Pa. Cash receptacles. 1,795,152; Mar. 3.
Stewart, Charles M. (See Sheets, B. R., and Stewart.)
Stewart, Charles M., Allston, Mass. Wrench. 1,808,268; June 2.
Stewart, Charles M., assignor to Gardner-Denver Company, Denver, Colo. Exhaust for fluid operated tools. 1,832,152; Nov. 17.
Stewart, Clarence R. G., and C. J. Zern, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Heat-treating apparatus. 1,800,912; Apr. 14.
Stewart, Clark P., Goodwater, Ala. Radiator stand. 1,795,805; Mar. 10.
Stewart, Clyde E., Schenectady, N. Y., assignor to General Electric Company. Remote control system. 1,792,256; Feb. 10.
Stewart, Daniel W., Ottawa, Ontario, Canada. Utilizing magnesian rock in the preparation of calcium-magnesium bisulphite liquor in towers. 1,828,690; Oct. 20.
Stewart, Duncan, et al. (See Hargreaves, Robert H., assignor.)
Stewart, Donald H., assignor to Eastman Kodak Company, Rochester, N. Y. Lens-attachment mount for photographic apparatus. Re17,937; Jan. 20.
Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Transmitting antenna. 1,792,193; Feb. 10.
Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Transmitting antenna. 1,792,194; Feb. 10.
Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Electric heat-control system. 1,797,846; Mar. 24.
Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Heat regulator. 1,812,668; June 30.
Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Heating system and control therefor. 1,826,100; Oct. 6.
Stewart, Duncan J., assignor to H. D. Colman, Rockford, Ill. Damper operator. 1,836,515; Dec. 15.
Stewart, Duncan J., and E. D. Lilja, assignors to H. D. Colman, Rockford, Ill. Induction motor. 1,822,679; Sept. 8.
Stewart, Duncan M. (See Nanji, Dinshaw R., assignor.)
Stewart, E. W., & Company. (See Wahl, Arnold S., assignor.)
Stewart, Earl D. (See Jameson, E., Stewart, and Wilson.)
Stewart, Earl D. (See Wilson, C. P., and Stewart.)
Stewart, Edmond D. (See McCormick, N. E., Dearinger, and Stewart.)
Stewart, Edmund L. (See Butts, Harry E., assignor.)
Stewart, Edward E., Wichita Falls, Tex. Apparatus for treating hydrocarbon oils. 1,798,338; Mar. 31.
Stewart Hartshorn Company. (See Bushnell, Russell S., assignor.)

Stewart Hartshorn Company. (See Hartshorn, Stewart, assignor.)
Stewart, Howard J., New Kensington, Pa., assignor to Union Spring & Manufacturing Company. Journal-box lid. 1,801,462; Apr. 21.
Stewart, Howard R., Los Angeles, assignor to Orange County Manufacturing Co., Santa Ana, Calif. Lighter-fluid-vending machine. 1,796,669; Mar. 17.
Stewart, Isaac R. (See Meth, Max, assignor.)
Stewart, James A., Oakland, Calif., assignor to Management and Finance Corporation of California. Window construction. 1,832,058; Nov. 17.
Stewart, James B., Brookline, Mass., assignor to The John Bright Shoe Stores Co., Boston, Mass. Store front. Des. 83,477; Feb. 24.
Stewart, James D., jr., and W. M. Cavin, Rocky Mount, N. C. Portable journal jack. 1,838,715; Dec. 29.
Stewart, James S., Redlands, assignor, by mesne assignments, to G. Voss, San Bernardino, Calif. Agricultural machine. 1,796,311; Mar. 17.
Stewart, James S., Redlands, assignor, by mesne assignments, to G. Voss, San Bernardino, Calif. Agricultural machine. 1,808,690; June 2.
Stewart, James S., assignor to Brenneis Manufacturing Company, Oxnard, Calif. Spring tooth harrow. 1,831,041; Nov. 10.
Stewart, James S., assignor to Brenneis Manufacturing Company, Oxnard, Calif. Turning device for offset harrows. 1,831,042; Nov. 10.
Stewart, James S., Redlands, assignors, by mesne assignments, to G. Voss, San Bernardino, Calif. Agricultural machine. 1,837,377; Dec. 22.
Stewart, John H., Cincinnati, Ohio. Centrifugal pump. 1,804,846; May 12.
Stewart, John H., Lynnfield, Mass. Counter molding machine. 1,814,611; July 14.
Stewart, John I., Houston, Pa. Pedal whirl. 1,812,810; June 30.
Stewart, Lyall D., Te Kuiti, New Zealand. Electric-wire connecter. 1,789,502; Jan. 20.
Stewart Machine Company, The. (See Nelson, George W. assignor.)
Stewart, Patterson O., New York, N. Y. High tension ignition amplifier. Re18,092; June 9.
Stewart, Patterson O., New York, N. Y. High tension ignition amplifier. 1,839,004; Dec. 29.
Stewart, Ralph B., Washington, D. C. Modulating system and method. 1,831,516; Nov. 10.
Stewart, Richard F., Briarcliff Manor, N. Y. Butter cutting machine. 1,821,363; Sept. 1.
Stewart, Richard W., Auburn, N. Y., assignor to Karom Golf Table Corporation. Game of skill. 1,831,581; Nov. 10.
Stewart, Robert A. (See Graff, G. B., and Stewart.)
Stewart, Robert A. (See Graff, L. S., and Stewart.)
Stewart, Robert, Ozone Park, N. Y. Combination sponge and wash rag. 1,820,256; Aug. 25.
Stewart, Rollin H., et al. (See Danner, Albert C., assignor.)
Stewart, Sigmund S., Passaic, assignor to Wilson Welder & Metals Company, Inc., Hoboken, N. J. Coating arc welding electrodes. 1,806,128; May 19.
Stewart, Walter C., assignor, by mesne assignments, to Emanuel Frohman, Gastonia, N. C. Automatic belt tightener. 1,835,617; Dec. 8.
Stewart-Warner Corporation. (See Andrews, John L., assignor.)
Stewart-Warner Corporation. (See Edwards, William A., assignor.)
Stewart-Warner Corporation. (See Farr, Willard H., assignor.)
Stewart-Warner Corporation. (See Harris, Sylvan, assignor.)
Stewart-Warner Corporation. (See Moulet, Jean L. L. A. A.)
Stewart-Warner Corporation. (See Muzzy, William H., assignor.)
Stewart-Warner Corporation. (See Robert, Florent E., assignor.)
Stewart-Warner Corporation. (See Rockwell, Edward A., assignor.)
Stewart-Warner Corporation. (See Ross, Frank A., assignor.)
Stewart-Warner Corporation. (See Schulze, William H., assignor.)
Stewart-Warner Corporation. (See Schweisthal, Fred G., assignor.)
Stewart-Warner Corporation. (See Spackman, Thomas F., assignor.)
Stewart-Warner Corporation. (See Tice, Percival S., assignor.)
Stewart-Warner Corporation. (See Tyler, Harvey E., assignor.)
Stewart-Warner Corporation. (See Van Guilder, Walter, assignor.)
Stewart-Warner Corporation. (See Wheeler, Leonard H., assignor.)
Stewart, William B. (See Nichols, Lawrence B., assignor.)
Stewarts & Lloyds Limited. (See Mitchell, J., and Smith, assignors.)
Stich, Eugen, Mannheim, Germany. Process and appliance for fermenting saccharifierous liquids. 1,792,450; Feb. 10.
Stich, Johannes, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,812,222; June 30.
Stickel, Charles W. (See McDonell, W. E., and Stickel.)
Stickle, Cole, Indianapolis, Ind. Automatic steam control and differential for paper machines. 1,817,110; Aug. 4.
Stickley, Carl, and R. L. Robinson, Davenport, Iowa. Aeroplane. 1,815,597; July 21.
Stickney, Burnham C., Hillside, N. J. Internal-combustion engine. 1,787,599; Jan. 6.
Stickney, Burnham C., Hillside, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,808,909; June 9.
Stickney, Charles A., Rockford, Ill. Frigid unit. 1,791,850; Feb. 10.
Stickney, Charles L., jr., Seattle, Wash. Call-indicating device. 1,794,040; Feb. 24.
Stickney, Fernald S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Viscosimeter. 1,836,995; Dec. 15.
Stiegelmeyer, John E., Indianapolis, Ind. Automatic train control. 1,789,663; Jan. 20.
Stieger, Helmut J. (See Chorlton, A. E. L., Haig, and Stieger.)
Stieger, Helmut J., Wimbledon, assignor to The Mono-Spar Company, Limited, London, England. Wing and aileron construction for aircraft. 1,825,371; Sept. 29.
Stieglitz, Henry M., assignor to Frank Adam Electric Co., St. Louis, Mo. Clamp. 1,793,261; Feb. 17.
Stieglitz, John L., Louisville, Ky. Fuel and grate saving plate. 1,823,576; Sept. 15.
Stiemke, Walter H. (See Jett, George C., assignor.)
Stiennon, Louis, assignor to Winchester Repeating Arms Co., New Haven, Conn. Trigger-mechanism for firearms. 1,830,212; Nov. 3.
Stiennon, Louis, New Haven, assignor to Winchester Repeating Arms Company, New Haven, Conn. Selective trigger-mechanism for firearms. 1,830,213; Nov. 3.
Stifel, J. L., & Sons, Inc. (See Whitehead, Holbrook, assignor.)
Stiffler, Torrence F., Wilkinsburg, assignor, by mesne assignments, to Pennsylvania Lubricating Company, Pittsburgh, Pa. Gear and pinion lubricator. 1,790,729; Feb. 3.
Stiglitz, Ira, Brooklyn, N. Y., assignor to Superb Bronze & Iron Co. Inc. Window. 1,818,436; Aug. 11.
Stigter, Willem H. (See Soepnel, A. P. J., and Stigter.)
Stiles, Edward M., Burlington, Iowa, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slice collecting device for slicing machines. 1,818,243; Aug. 11.
Stiles, Frank I., Miami, Fla. Apparatus for photographing the sea bottom. 1,810,302; June 16.
Stiles-Herman Manufacturing Company. (See Johnson, Herman W., assignor.)
Stiles, Thomas G., Arlington, N. J. Switch-throw-rod connection. 1,795,413; Mar. 10.
Still, Carl. (See Schneider, Theodor, assignor.)
Still, Carl. (See Wessel, Carl, assignor.)
Still, Carl, Recklinghausen, Germany. Coke oven and door therefor. 1,790,775; Feb. 3.
Still, Carl, Recklinghausen, Germany. Coke oven and door therefor. 1,795,239; Mar. 3.
Still, Carl, Recklinghausen, Germany. Coke oven. 1,810,629; June 16.
Still, Firm Carl. (See Breitbach, Fritz, assignor.)
Still, Carl, Firm. (See Fritzsche, Paul, assignor.)
Still, Carl, The Firm. (See Kuhn, Arthur, assignor.)
Still, Firm Carl. (See Sommer, Friedrich, assignor.)
Still, Carl, Firm. (See Ulrich, Fritz, assignor.)
Still, Carl, The Firm. (See Wessel, Carl, assignor.)
Still, William J., London, England. Machine for manufacturing heat-radiating elements. 1,788,895; Jan. 13.
Stille, Corsville E., Tuckahoe, N. J. Adjustable pressure indicator for tires. 1,806,372; May 19.
Stille, Curt, assignor to Telegraphie-Patent-Syndikat G. m. b. H., Berlin, Germany. Duplication of sound records obtained by magnetic means. 1,811,817; June 23.
Stille, Curt, assignor to Telegraphie-Patent-Syndikat G. m. b. H., Berlin, Germany. Reproducing magnet for telegraphones. 1,828,260; Oct. 20.
Stillman, Allen P., Brooklyn, assignor to Ancira Lock & Seal Corporation, New York, N. Y. Seal. 1,814,773; July 14.
Stillman, Allen P., Brooklyn, assignor to Ancira Lock & Seal Corporation, New York, N. Y. Seal. 1,815,015; July 14.
Stillman, John C., Appleton, Wis., assignor of two-fifths L. M. Betts, Washington, D. C. Train heating system. 1,817,426; Aug. 4.
Stillman, Ray G., Minneapolis, Minn. Communicating device. 1,831,891; Nov. 17.
Stillman, Thomas B., South Orange, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Metallurgical-furnace process. 1,800,669; Apr. 14.
Stillman, Thomas B., South Orange, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Oil burner. 1,830,773; Nov. 10.
Stilson Manufacturing Company. (See Brooks, Shirley V., assignor.)
Stock, Anthony T., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Gasket. 1,823,920; Sept. 22.
Stimpson, Edwin B., Company. (See Stimpson, E. B., and Suessle, assignors.)
Stimpson, Edwin B., Company. (See Stimpson, Edwin B., assignor.)

Stimpson, Edwin B., Company. (See Stimpson, E. B., and J. F. Suessle, assignors.)
Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Slitting machine. 1,793,646; Feb. 24.
Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet-slitting machine. 1,793,647; Feb. 24.
Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet feed. 1,807,942; June 2.
Stimpson, Edwin B., and J. F. Suessle, assignors to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet-slitting machine. 1,793,648; Feb. 24.
Stimpson, Edwin B., and J. F. Suessle, assignors to Edwin B. Stimpson Company, Brooklyn, N. Y. Feeding mechanism for riveting machines. 1,807,941; June 2.
Stimpson, Robert H., Nashua, N. H., assignor, by mesne assignments, to F. L. Emery, Boston, Mass. Carton end closing means. 1,832,262; Nov. 17.
Stimpson, Wallace I., assignor to Draper Corporation, Hopedale, Mass. Bobbin-clutching means for rotatable spindles. 1,796,770; Mar. 17.
Stimpson, Wallace I., assignor to Draper Corporation, Hopedale, Mass. Loom shuttle. 1,798,178; Mar. 31.
Stimpson, Wallace I., assignor to Draper Corporation, Hopedale, Mass. Temple thread cutter for looms. 1,838,588; Dec. 29.
Stimpson, Walter F. (See Lachance, Modeste J., assignor.)
Stimpson, Walter F., Louisville, Ky. Bearing for food grinder shafts. 1,833,186; Nov. 24.
Stimpson, Walter F., and W. E. Finch, Louisville, Ky.; said Finch assignor to said Stimpson. Computing scales. 1,808,269; June 2.
Stimpson, Walter F., and W. E. Finch, Louisville, Ky.; said Finch assignor to said Stimpson. Scale. 1,827,048; Oct. 13.
Stimson, Jonathan C., Chicago, Ill. Luminous display or reflector sign. Re18,166; Aug. 25.
Stimson, Johnathan C., St. Louis, Mo. Reflecting device. 1,807,350; May 26.
Stimson, Jonathan C., St. Louis, Mo. Luminous display or reflector sign. 1,809,761; June 9.
Stine, Charles M. A. and C. E. Burke, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitrated esters of polyhydric alcohols. 1,792,515; Feb. 17.
Stine, Charles M. A. and C. E. Burke, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitrocellulose propellent explosive. 1,792,516; Feb. 17.
Stine, Ernest R., and M. R. Bernhardt, Lenoir, N. C. Vacuum cleaner. 1,797,557; Mar. 24.
Stine, James E. (See Battey, W. A., Stine, and Borton.)
Stine, Samuel B., Osceola Mills, Pa. Pan for crushing mills. 1,800,705; Apr. 14.
Stine, Samuel B., Osceola Mills, Pa. Screen plate and making same. 1,822,756; Sept. 8.
Stiner, Edgar F., New York, N. Y. Lace scarf or similar article. Des. 83,136; Jan. 20.
Stinson, George, Gardner, assignor to Heywood-Wakefield Company, Boston, Mass. Running gear for baby carriages. 1,827,492; Oct. 13.
Stinson, George H. (See Young, A. W., and Stinson.)
Stinson, Leslie, Grand Forks, N. Dak. Carbonating apparatus. 1,811,218; June 23.
Stinson, Thomas J., Hartford, Conn. Cleaning composition. 1,817,276; Aug. 4.
Stirrup, Frank A., Westfield, N. J. Coupling and mounting member for fixtures and the like. 1,810,229; June 16.
Stitch, Jack C., New York, N. Y. Window shade stop. 1,806,373; May 19.
Stitt Ignition Company, The. (See Schaaf, Downs, assignor.)
Stivender, Paul M., West Allis, Wis. Pressure indicator. 1,834,079; Dec. 1.
Stizler, Lewis E., Linkwood, England. Pencil. 1,798,003; Mar. 24.
Stock, Arthur J., jr., Lakewood, Ohio. Feed chute for stokers and the like. 1,813,590; July 7.
Stock, Charles, Baldwin Park, Calif. Trap nest. 1,808,615; June 2.
Stock, Henry F., Waukesha, assignor to Michael Yundt Company, Milwaukee, Wis. Pressuré operated clutch. 1,831,083; Nov. 10.
Stock, Johann J. F., Munich, Germany. Process and device for the application of liquids to moving bands of material. 1,801,374; Apr. 21.
Stock, Johann J. F., Berlin, Germany. Process for increasing the resistibility of protographic emulsion layers. 1,801,375; Apr. 21.
Stockburger, Frank J., Toston, Mont. Truck and trailer. 1,812,995; July 7.
Stockdale, Charles E., Morgantown, W. Va. Machine for making tiles. 1,835,914; Dec. 8.
Stockelbach, Frits E., Montclair, N. J. Making safrol derivatives such as protocatechuic aldehyde and isoeugenol. 1,792,716; Feb. 17.
Stockelbach, Frits E., Montclair, N. J. Making safrol derivatives such as vanillin and isochavibetol. 1,792,717; Feb. 17.
Stocker, Arthur C., Audubon N. J., assignor to General Electric Company. Synchronization in television and facsimile transmission system. 1,824,635; Sept. 22.
Stocker, Arthur C., Audubon, N. J., assignor to General Electric Company. Alternating current machine. 1,838,010; Dec. 22.
Stocker, Closman P., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control circuit. 1,818,018; Aug. 11.
Stocker, Hattie V. G., New York, N. Y. Collapsible drain basket. 1,835,535; Dec. 8.
Stockert, Hermann, Pforzheim, Germany. Link body for jewelry purposes. 1,829,880; Nov. 3.
Stocker, John, Seward, Nebr. Road maintainer. 1,807,639; June 2.
Stocker, Philip J., Jordan, Minn. Attachment for braces. 1,812,996; July 7.
Stockfleth, Berger, Niles, Mich., assignor to Hydraulic Pressed Bearing Company, Wilmington, Del. Means for making bearing linings or sleeves. 1,803,513; May 5.
Stockfleth, Berger, Miles, Mich., assignor to Hydraulic Pressed Bearing Company, Wilmington, Del. Bearing sleeve and making same. 1,821,122; Sept. 1.
Stockfleth, Berger, Berrien Springs, and F. W. Burger, Niles, assignors to Clark Tructractor Company, Buchanan, Mich. Manifold for internal-combustion engines. 1,793,527; Feb. 24.
Stockham Pipe & Fittings Co. Inc. (See Getzen, J. E., Denicke, Crowe, assignors.)
Stockholder, John H., assignor to M. Stockholder, New Orleans, La. Liquid purifying device. 1,813,687; July 7.
Stockholder, Mary. (See Stockholder, John H., assignor.)
Stocking, George E., Rochelle, assignor of one-fourth to Berlin Chapman Company, Berlin, Wis. Apparatus for washing vegetables and fruits. 1,806,957; May 26.
Stocking, Roderick P. (See Fickett, E. L., and Stocking.)
Stöckly, Johann J., and R. Bartunek, Teltow, near Berlin, assignors to the Firm Vereinigte Glanzstoff-Fabrieken A.-G., Elberfeld, Germany, Maintaining the composition of viscose precipitating baths containing magnesium sulphate. 1,793,649; Feb. 24.
Stockly, Johann J., and R. Bartunek, Teltow, near Berlin, assignors to the Firm Vereinigte Glanzstoff-Fabriken A-G., Elberfeld, Germany. Separation of sodium sulphate from sulphuric acid. 1,812,310; June 30.
Stockman, John A., and H. Swerdloff, Buffalo, N. Y. Electric window operating device for automobiles. 1,835,354; Dec. 8.
Stock Quotation Telegraph Company. (See Hiltz, G. S., and Purcell, assignors.)
Stocks, Charles E., El Paso, Tex. Clamp. 1,805,425; May 12.
Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Range or similar article. Re18,121; July 7.
Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Range. Des. 83,073; Jan. 13.
Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Range. Des. 84,663; July 14.
Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Set of range doors. Des. 85,126; Sept. 15.
Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Set of range doors. Des. 85,127; Sept. 15.
Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Range door. Des. 85,128; Sept. 15.
Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Range. Des. 85,129; Sept. 15.
Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Range door. Des. 85,130; Sept. 15.
Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Range door. Des. 85,131; Sept. 15.
Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Range. Des. 85,132; Sept. 15.
Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Range. Des. 85,497; Nov. 3.
Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Swinging cover for the top burner portion of stoves. 1,833,760; Nov. 24.
Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Mixing tube for gas ranges. 1,837,080; Dec. 15.
Stockstrom, Arthur, and I. V. Brumbaugh, assignors to American Stove Company, St. Louis, Mo. Thermostatic construction and gas passage for gas ranges. 1,794,329; Feb. 24.
Stockstrom, Arthur, and A. H. Brodbeck, assignors to American Stove Company, St. Louis, Mo. Gas range. 1,839,128; Dec. 29.
Stockton, Jack P., Spring Lake, N. J., assignor to Stromberg-Carlson Telephone Manufacturing Company. Phonograph. 1,812,454; June 30.
Stockton, William S., assignor to The Willys-Overland Company, Toledo, Ohio. Steering control. 1,804,713; May 12.
Stockwell, Sidney E., and A. E. Murdock, Hartford, C. J. Winzig and E. F. Morris, West Hartford, assignors to The New Departure Manufacturing Company, Bristol, Conn. Feeler control gauge. 1,811,480; June 23.
Stockwell, William R., assignor to Weil-McLain Company, Michigan City, Ind. Boiler. 1,837,593; Dec. 22.
Stoddard, Albert D. (See Halliburton, E. P., and Stoddard.)
Stoddard, Beatrice M. (See Anthony, D., and Stoddard.)

Stoddard, Charles F., New York, assignor, by mesne assignments, to American Piano Corporation, East Rochester, N. Y. Automatic musical instrument. 1,813,097; July 7.

Stoddard, Charles F., New York, assignor, by mesne assignments, to American Piano Corporation, East Rochester, N. Y. Automatic musical instrument. 1,817,499; Aug. 4.

Stoddard, Charles F., New York, and C. N. Hickman, Jackson Heights, assignors, by mesne assignments, to American Piano Corporation, East Rochester, N. Y. Automatic musical instrument. 1,813,098; July 7.

Stoddard, Edgar S., Berwyn, and G. Simkus, Chicago, assignors to The Conover Company, Chicago, Ill. Demonstrator sink. 1,833,726; Nov. 24.

Stoddard, John G., Falls Church, Va. Horizontal vent operating device. 1,838,878; Dec. 29.

Stoddard, William, Trenton, N. J. Measuring and dispensing device. 1,802,284; Apr. 21.

Stoddard, William O., jr., Detroit, Mich. Composite material. 1,814,643; July 14.

Stoddard, William O., jr., Detroit, Mich. Composite material. 1,814,644; July 14.

Stoecklin, Josef, Zurich, assignor to Aktiengesellschaft Brown, Boveri and Cie, Baden, Switzerland. Electric time relay. 1,802,039; Apr. 21.

Stoefen, Robert R. (See Oberg, A. J., and Stoefen.)

Stoehr, Moriz, New York, N. Y. Music instrument. 1,795,320; Mar. 10.

Stoekle, Erwin R., assignor to Central Radio Laboratories, Milwaukee, Wis. Variable resistance. 1,824,242; Sept. 22.

Stoelting, Adolph, assignor to Stoelting Brothers Co., Kiel, Wis. Vat. 1,801,941; Apr. 21.

Stoelting Brothers Co. (See Stoelting, Adolph, assignor.)

Stoesling, Ludwig, San Fernando, and W. D. Pearsall, Hollywood, Calif. Compressor. 1,813,128; July 7.

Stoessel, Max, Ridgewood, N. J. Apparatus for printing photogravure prints. 1,833,133; Nov. 24.

Stoesser, Wesley C. (See Britton, E. C., and Stoesser.)

Stoesser, Wesley C. (See Hale, W. J., and Stoesser.)

Stoetzel, Joseph J., Queens Village, assignor to G & G Atlas Systems, Inc., New York, N. Y. Blower. 1,805,055; May 12.

Stoetzel, Joseph J., Queens Village, assignor to G & G Atlas Systems, Inc., New York, N. Y. Carrier inserting and discharge device for penumatic dispatch systems. 1,819,307; Aug. 18.

Stoetzel, Joseph, Queens Village, assignor to G. & G. Atlas Systems, Inc., New York, N. Y. Dispatch tube apparatus. 1,821,857; Sept. 1.

Stoetzel, Joseph J., Queens Village, assignor to G & G Atlas Systems, Inc., New York, N. Y. Pneumatic dispatch control valve. 1,825,618; Sept. 29.

Stoetzel, Joseph J., Bellaire, assignor to G. & G. Atlas Systems, Inc., New York, N. Y. Pneumatic dispatch tube system. 1,828,787; Oct. 27.

Stoewener, Fritz. (See Rotger, H., and Stoewener.)

Stoewener, Fritz, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of active masses. 1,797,804; Mar. 24.

Stoffels, Josef, Eslingen-on-the-Neckar, Germany. Process and apparatus for producing solid carbon dioxide. 1,822,788; Sept. 8.

Stohl, Andrew K., Waterbury, Conn., assignor to Stohl Super Power Corporation, Fair Haven, Vt. Power transmitting mechanism. 1,802,846; Apr. 28.

Stohl, Andrew K., Waterbury, Conn., assignor to Stohl Super Power Corporation, Fair Haven, Vt. Power transmission mechanism. 1,822,066; Sept. 8.

Stohl Super Power Corporation. (See Stohl, Andrew K., assignor.)

Stohr, Frederick W., assignor of one-half to F. R. Schlichting, South St. Paul, Minn. Vehicle stopping device. 1,823,297; Sept. 15.

Stöhr, Rolf, Berlin-Wilmersdorf, Germany. Valve lifter for baths, lavatories, and the like. 1,826,639; Oct. 6.

Stokely, Ray L. (See Johnson, L. H., and Stokely.)

Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone systems. 1,799,653; Apr. 7.

Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,799,654; Apr. 7.

Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone systems. 1,831,400; Nov. 10.

Stoker, Jerry, Omaha, Nebr. Burial vault. 1,791,877; Feb. 10.

Stoker, Joseph, Rubber Company. (See Boyer, Harry L., assignor.)

Stoker Matic Corporation, The. (See Rieger, William F., assignor.)

Stoker, Paul P., Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. Re18,264; Nov. 24.

Stoker, Paul P., Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. Re18,265; Nov. 24.

Stoker, Paul P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Train indicating apparatus. 1,821,039; Sept. 1.

Stokes and Smith Company. (See Davis, Stanley H., assignor.)

Stokes and Smith Company. (See Federwitz, T. A., and Bailey, assignors.)

Stokes and Smith Company. (See Rider, Ernest G., assignor.)

Stokes and Smith Company. (See Stokes, John S., assignor.)

Stokes, Charles L., Los Angeles, Calif. Liquid-feed system. 1,797,485; Mar. 24.

Stokes, Charles L., Los Angeles, Calif. Liquid pumping and circulating system. 1,797,533; Mar. 24.

Stokes, Charles L., Los Angeles, Calif. Internal combustion engine. 1,802,585; Apr. 28.

Stokes, Charles L., Los Angeles, Calif. Utilizing hydrogen in aircraft. 1,802,586; Apr. 28.

Stokes, Charles L., Los Angeles, Calif. Applying engine explosion pressure. 1,804,446; May 12.

Stokes, Charles L., Los Angeles, Calif. Temperature regulator. 1,820,035; Aug. 25.

Stokes, Charles L., Los Angeles, Calif. Liquid fuel pump. 1,836,344; Dec. 15.

Stokes, Charles L., Los Angeles, Calif., assignor to C. B. Camp, trustee, Glencoe, Ill. Carburetor. 1,799,486. Apr. 7.

Stokes, Charles L., Los Angeles, Calif., assignor to C. B. Camp, trustee, Glencoe, Ill. Carburetor. 1,799,487; Apr. 7.

Stokes, Charles L., Los Angeles, Calif., assignor to C. B. Camp, trustee, Glencoe, Ill. Carburetor. 1,803,150; Apr. 28.

Stokes, Clotus P., and J. Tamsett, Muncie, Ind. Wheel. 1,816,300; July 28.

Stokes, Hiram C., assignor to The Boss Manufacturing Company, Kewanee, Ill. Glove or mitten of the gauntlet type. 1,791,580; Feb. 10.

Stokes, Hiram C., assignor to The Boss Manufacturing Company, Kewanee, Ill. Glove. 1,791,581; Feb. 10.

Stokes, Imogene D., New York, N. Y., assignor to Otis Company, Inc., Boston, Mass. Textile fabric. Des. 83,706; Mar. 17.

Stokes, John C., Houston, Tex. Supporting sucker rod and pump lines. 1,810,303; June 16.

Stokes, John C., Houston, Tex. Drill bit. 1,819,850; Aug. 18.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Roller bit. 1,791,767; Feb. 10.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Collapsible bit. 1,819,798; Aug. 18.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Collapsible bit. 1,833,134; Nov. 24.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Texas. Collapsible bit. 1,838,467; Dec. 29.

Stokes, John F. (See Machlett, R. R., and Stokes.)

Stokes, John S. (See Novotny, Emil E., assignor.)

Stokes, John S. (See Novotny, E. E., and Johnson, assignors.)

Stokes, John S. (See Novotny, E. E., and Romieux, assignors.)

Stokes, John S. (See Wilson, William C., assignor.)

Stokes, John S., Huntingdon Valley, Pa. Forming and applying tabbed wrappers in boxes. 1,827,212; Oct. 13.

Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Assembling, wrapping, and staying composite boxes. 1,796,630; Mar. 17.

Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Method and mechanism for assembling composite wrappers. 1,793,876; Feb. 24.

Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Method of and apparatus for forming boxes and the like. 1,796,731; Mar. 17.

Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Wrapping stayed boxes. 1,826,264; Oct. 6.

Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Producing and applying tabbed wrappers. 1,827,442; Oct. 13.

Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Packing and wrapping articles. 1,830,342; Nov. 3.

Stokes, John W., Dallas, Tex. Incinerator. 1,837,594; Dec. 22.

Stokes, Jos., Rubber Co. (See Martindell, Milton H., assignor.)

Stokes, Orrin D., Los Angeles, Calif. Attachment for lawn mowers. 1,800,113; Apr. 7.

Stokes, Richard A., and E. G. L. Roberts, assignors to E. M. S. Industrial Processes Limited, London, England. Apparatus for the heat treatment of metalliferous materials. 1,788,351; Jan. 6.

Stokes, Richard A., and E. G. L. Roberts, assignors to E. M. S. Industrial Processes Limited, London, England. Method of and apparatus for the evaporation of liquids. 1,788,352; Jan. 6.

Stokes, Robert J., Princeton Township, Mercer County, assignor to Thermoid Rubber Company, Trenton, N. J. Armored hose. 1,831,724; Nov. 10.

Stokes, William E., Brooklyn, and R. A. Wright, Cedarhurst, assignors to Royal Baking Powder Company, New York, N. Y. Effervescent mixture. 1,834,747; Dec. 1.

Stokes, William H., Coventry, assignor to Courtaulds Limited, London, England. Manufacture and production of artificial threads, filaments, bands and the like. 1,823,769; Sept. 15.
Stokholm, Christian, et al. (See Heilsen, Peter C., assignor.)
Stoler, Edward W., Mansfield, Ohio, assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wire spoke. 1,814,531; July 14.
Stoler, Edward W., Mansfield, Ohio, assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Self feeding swaging roll. 1,816,940; Aug. 4.
Stoll, Albert, assignor to National Machine Products Company, Detroit, Mich. Machine element. 1,793,141; Feb. 17.
Stoll, Bessie K. (See Mosley, Abraham K., assignor.)
Stoll, Henry C., Bronx, N. Y. Cigarette box or the like. Des. 84,264; May 26.
Stoll, Robert E., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Belt splice. 1,792,718; Feb. 17.
Stollberg, Charles, assignor to American Can Company, New York, N. Y. Container closure and opening device. 1,811,983; June 30.
Stollberg, Charles, assignor to American Can Company, New York, N. Y. Spotwelding keys to tearing strip cans. 1,823,068; Sept. 15.
Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator system. 1,804,126; May 5.
Stolp, Samuel S., Louisville, Ky., assignor to Cheatham Electric Switching Device Company. Trolley contactor. 1,824,844; Sept. 29.
Stolte, Richard C., Lansing, assignor to General Motors Corporation, Detroit, Mich. Crank case oil pan. 1,802,847; Apr. 28.
Stoltenberg, Louis, Oakland, Calif. Combined potato digger and sorter. 1,828,261; Oct. 20.
Stoltz, Carl F., Delhi, Ohio, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,805,531; May 19.
Stoltz, Cassius A., Lakewood, A. Krastin, Cleveland, and A. Krastin, Cleveland Heights, assignors to The Plow-Mate Incorporated, Cleveland, Ohio. Soil pulverizer. 1,837,595; Dec. 22.
Stolz, Ernest H. (See Leach, H. G., and Stolz.)
Stolz, Harry P., Glendale, Calif. Cementing wells. 1,807,050; May 26.
Stolze, Victor L., Wausau, Wis. Ribbon-gold magazine. 1,789,787; Jan. 20.
Stombaugh, Arch V. (See Hobbs, Elbert R., assignor.)
Stone, Albert A. (See Molins, W. E., and Stone.)
Stone, Albert L. (See Stone, Frederick and A. L.)
Stone, Alfred, London, England. Article for protecting the wrists and arms against cold. 1,815,530; July 21.
Stone, Andrew H., Kansas City, Mo. Extension table. 1,836,883; Dec. 15.
Stone, Arthur A., Cleveland, assignor to Pearl F. Stone, Cleveland Heights, Ohio. Broiling device. 1,819,660; Aug. 18.
Stone, Auvry E. (See Hamilton, H. J., and Stone.)
Stone, Barnet, H. Redshaw, and J. W. Nunns, assignors to Smith & Stone Limited, Georgetown, Ontario, Canada. Producing thermal and electrical insulating pads. 1,829,685; Oct. 27.
Stone, Berkley C. (See Murphy, Thomas A., assignor.)
Stone, Charles F., Upper Darby, Pa. Toy railroad track embankment. 1,807,803; June 2.
Stone, Charles F., Upper Darby, Pa. Score sheet holder. 1,814,194; July 14.
Stone Creek Brick Company, The. (See Smith, J. Erroll, assignor.)
Stone, Earl A., Detroit, Mich. Fan lubricator. 1,799,262; Apr. 7.
Stone, Earl A., Detroit, Mich., assignor of one-half to D. O. Scott. Window for motor vehicles. 1,828,515; Oct. 20.
Stone, Edward G., Wollongong, New South Wales, Australia. Ball or tube mill. 1,794,041; Feb. 24.
Stone, Edward R. (See Farnam, J. P., and Stone.)
Stone, Edwin W., Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Yarn doubling and twisting machine. 1,798,817; Mar. 31.
Stone, Edwin W., Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Harness mechanism for looms. 1,803,539; May 5.
Stone, Edwin W., Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Tuft pile fabric loom. 1,813,714; July 7.
Stone, Edwin W., Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Take-up mechanism for looms. 1,820,846; Aug. 25.
Stone, Edwin W., Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Machine for trimming the tuft yarns of tube frames. 1,821,409; Sept. 1.
Stone, Edwin W., Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Needle loom. 1,823,298; Sept. 15.
Stone, Elizabeth M., Rosslyn, Va. Slip. 1,810,796; June 16.
Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Padlock. Des. 82,283; Feb. 10.
Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Padlock. Des. 83,478; Feb. 24.
Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 1,792,403; Feb. 10.
Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Card holder. 1,807,804; June 2.
Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Suit case lock. 1,829,310; Oct. 27.
Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Fastener for key cylinders. 1,838,333; Dec. 29.
Stone, Elmer G., and H. M. Rutherford, Hibbing, Minn. Loading apparatus. 1,797,558; Mar. 24.
Stone, Everett E., Brookline, Mass. Time controlled switch. 1,809,428; June 9.
Stone, Floyd B. (See Brown, W. W., and Stone.)
Stone, Frederick, assignor to Doheny-Stone Drill Co., Los Angeles, Calif. Hydraulic trip spear. 1,794,652; Mar. 3.
Stone, Frederick, Spokane, Wash., assignor to Doheny-Stone Drill Co., Los Angeles, Calif. Earth-coring machine. 1,796,488; Mar. 17.
Stone, Frederick and A. L., Glendale, assignors to Doheny-Stone Drill Co., Los Angeles, Calif. Work-gripping means for rotary tables and the like. 1,797,486; Mar. 24.
Stone, Frederick, Rapid City, S. Dak. Rotary engine. 1,828,207; Oct. 20.
Stone, George E. (See Duncan, H. F., and Stone.)
Stone, Herman L., Philadelphia, Pa., assignor to Union Tank Car Company, Chicago, Ill. Valve. 1,827,377; Oct. 13.
Stone, Irving I., Chicago, Ill. Chuck spindle for web rolls. 1,789,481; Jan. 20.
Stone, J., & Company Limited. (See Allan, J. E., Freeman, and Watkins, assignors.)
Stone, J. & Company Limited. (See Cotter, Ernest W., assignor.)
Stone, J., & Company Limited. (See Rowledge, Eric G., assignor.)
Stone, James E., Providence, R. I. Making vulcanized slabs having contrastingly colored surfaces. 1,830,141; Nov. 3.
Stone, James L., Spokane, Wash., assignor to Doherty Research Company, New York, N. Y. Hot top water heater. 1,832,332; Nov. 17.
Stone, James O., and J. Patterson, Walsall, England. Golf-club holder. 1,798,638; Mar. 31.
Stone, Jesse, Pittsburgh, Pa. Safety fuse device. 1,824,415; Sept. 22.
Stone, John M., assignor to Operadio Manufacturing Co., St. Charles, Ill. Sound reproducing device. 1,819,721; Aug. 18.
Stone, John S., San Diego, Calif., assignor to American Telephone and Telegraph Company. Radio receiving system. 1,789,419; Jan. 20.
Stone, John S., San Diego, Calif., assignor to American Telephone and Telegraph Company. Directional antenna array. 1,808,867; June 9.
Stone, John S., San Diego, Calif., assignor to American Telephone and Telegraph Company. Directional antenna array. 1,808,868; June 9.
Stone, John S., San Diego, Calif., assignor to American Telephone and Telegraph Company. Directional antenna array. 1,808,869; June 9.
Stone, John S., San Diego, Calif., assignor to American Telephone and Telegraph Company. Valve commutator and its use in multiplex signaling. 1,835,099; Dec. 8.
Stone, John S., and G. Wilson, San Diego, Calif. Advertising device. 1,822,511; Sept. 8.
Stone, Karl M., Merrick, assignor to Stone Shoe Company, Inc., New York, N. Y. Mule. 1,793,380; Feb. 17.
Stone, Melvin L., Providence, R. I., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading loom shuttle. 1,791,853; Feb. 10.
Stone, Morris, Brooklyn, N. Y. Window bench or scaffold. 1,814,231; July 14.
Stone, Morris, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Strobo-rotoscopic device. 1,811,481; June 23.
Stone, Nathaniel B., Washington, D. C. Doorknob construction. 1,831,043; Nov. 10.
Stone, Oscar H., near Dayton, and D. A. Cooper, Dayton, Ohio. Adjustable air blast heater for locomotives. 1,805,892; May 19.
Stone, Pearl F. (See Stone, Arthur A., assignor.)
Stone, R. Harry, Irvington, N. J., assignor to Titeflex Metal Hose Co. Hose coupling. 1,809,874; June 16.
Stone, Samuel M. (See Sherman, John E., assignor.)
Stone Shoe Company. (See Stone, Karl M., assignor.)
Stone Straw Corporation. (See Maltby, Lewis C., assignor.)
Stone, Thos. E., jr. (See Deisch, Noel, assignor.)
Stone, Thomas W., Fort Wayne, Ind., assignor to The Western Gas Construction Company. Manufacture of carburetted water gas. 1,829,767; Nov. 3.
Stone, Thomas W., Fort Wayne, Ind., assignor to The Western Gas Construction Company. Hot valve. 1,829,768; Nov. 3.
Stone, Wallace E. C., Los Angeles, Calif. Aeroplane wing course light. Des. 83,765; Mar. 24.

Stone, Warren M., Camden, N. J. Indicator for radio-tubes. 1,838,716; Dec. 29.
Stone & Webster, Incorporated. (See Vittinghoff, Hans, assignor.)
Stoneback, Howard D. (See Scott, D. H., and Stoneback.)
Stoneback, Samuel A., Philadelphia, Pa. Horn. 1,816,919; Aug. 4.
Stonebeg, Fritiof, Chicago, Ill. Intermittent operator for winches. 1,820,992; Sept. 1.
Stonebraker, Harold E., Rochester, N. Y. Cutting curved-tooth gears. 1,788,639; Jan. 13.
Stonebridge, William E., New York, N. Y. Doorcheck. 1,828,082; Oct. 20.
Stoneking, Frank B., Detroit, Mich. Wing spar. 1,798,005; Mar. 24.
Stoneman, William G., Columbus, Ohio. Bottle and sanitary closure therefor. 1,794,804; Mar. 3.
Stoner, Abraham D., New Windsor, Md. Rabbit hutch. 1,825,557; Sept. 29.
Stoner, Abraham D., New Windsor, Md. Rabbit hutch. 1,825,558; Sept. 29.
Stoner-Ames Brake Company. (See Stoner, George H., assignor.)
Stoner, Frank, Lakewood, assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,834,985; Dec. 8.
Stoner, Frank H., Monroe, Mich. Disk cultivator. 1,807,182; May 26.
Stoner, George H., East Boston, assignor, by mesne assignments, to Stoner-Ames Brake Company, Inc., Boston, Mass. Internal expansion brake. 1,810,092; June 16.
Stoner, Paul. (See Steiner, A. P., Stoner, and Harrison.)
Stonequist, Lawrence W., assignor of one-half to Charles Rottum, Chicago, Ill. Radio apparatus. 1,811,099; June 23.
Stoney, John T., Cleveland, assignor to R. E. Stoney, Lakewood, Ohio. Vibrator. 1,791,582; Feb. 10.
Stoney, John T., Cleveland, Ohio, assignor to R. E. Stoney, Lakewood, Ohio. Compacting material. 1,791,583; Feb. 10.
Stoney, John T., Cleveland, assignor to R. E. Stoney, Lakewood, Ohio. Molding apparatus. 1,814,416; July 14.
Stoney, Raymond E. (See Stoney, John T., assignor.)
Stoody Company. (See Stoody, Shelley M., assignor.)
Stoody Co. (See Stoody, Winston F., assignor.)
Stoody Company. (See Stoody, Winston F. and S. M.)
Stoody Company. (See Stoody, Winston F. and S. M., and Cole, assignors.)
Stoody, Shelley M. (See Stoody, Winston F. and S. M.)
Stoody, Shelley M., assignor to Stoody Company, Whittier, Calif. Tough stable-surface alloy steel. 1,790,177; Jan. 27.
Stoody, Winston F., assignor to Stoody Co., Whittier, Calif. Belt drive and tightening device. 1,799,261; Apr. 7.
Stoody, Winston F. and S. M., assignors to Stoody Company, Whittier, Calif. Welding rod. 1,825,829; Oct. 6.
Stoody, Winston F. and S. M., and N. W. Cole, assignors to Stoody Company, Whittier, Calif. Facing tools and resulting products. 1,803,875; May 5.
Stoops, Buren I., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Explosive. 1,828,788; Oct. 27.
Storch, Lazar, Vienna, Austria. Traveling trunk. 1,794,653; Mar. 3.
Storer, George E., Avonmouth, assignor to National Processes Limited, London, England. Sintering machine. 1,797,931; Mar. 24.
Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,795,904; Mar. 10.
Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Torque governor. 1,795,905; Mar. 10.
Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor generator locomotive control system. 1,821,364; Sept. 1.
Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor generator type locomotive. 1,831,044; Nov. 10.
Storer, Richard M., Denver, Colo. Mold for frozen substances. 1,824,308; Sept. 22.
Storer, Richard M., Denver, Colo. Mold for freezing liquids. 1,824,309; Sept. 22.
Storey, Frederick A., assignor to The Tabulating Machine Company, Endicott, N. Y. Control device for tabulating machines and the like. 1,791,911; Feb. 10.
Storey, Leonidas P., assignor of one-half to Waterous Fire Engine Works, Incorporated, St. Paul, Minn. Rotary pump. 1,795,579; Mar. 10.
Stork, Fred W., et al. (See Arlt, John L., assignor.)
Stork, John L., et al. (See Arlt, John L., assignor.)
Stork, Lawrence, Walsh, Ill. Internal combustion engine 1,813,328; July 7.
Storkline Furniture Corporation. (See Michal, James, assignor.)
Storm, Adolph, assignor to Storm Manufacturing Co., Inc., Minneapolis, Minn. Testing device for cylinders. 1,816,061; July 28.
Storm, Adolph, and T. Thorsen, assignors to Storm Manufacturing Co., Inc., Minneapolis, Minn. Jig for boring connecting rods. 1,830,724; Nov. 3.
Storm, Einer H., Seattle, Wash. Magnifying glass. 1,830,377; Nov. 3.
Storm Manufacturing Co. (See Storm, Adolph, assignor.)
Storm Manufacturing Co. (See Storm, A., and Thorsen, assignors.)
Storm, William J., Burbank, Calif. Grain door for box cars. 1,820,098; Aug. 25.
Storms, Earl W., Huntington Park, Calif. Electrically-illuminated house number. 1,792,517; Feb. 17.
Storms, Earl W., Huntington Park, Calif. Radiator closing means for automobiles. 1,825,134; Sept. 29.
Storms, Joseph E. (See Buchholz, Otto J., assignor.)
Story & Clark Radio Corp. (See Huth, W. H., and Minnium, assignors.)
Story & Clark Radio Corp. (See Minnium, Bryon B., assignor.)
Story, Elliott M., Worcester, Mass. Edible container. 1,813,099; July 7.
Story, Harold E., Pittsfield, Mass. Carbon-monoxide eliminator. 1,791,912; Feb. 10.
Story, Le Roy G. (See Bennett, H. T., and Story.)
Story, Le Roy G. (See Bennett, H. T., Story, and Beckley.)
Story, William E., jr., Worcester, Mass., assignor to General Electric Company. Photo-electric device. 1,812,763; June 30.
Story, William E., jr., Worcester, Mass., assignor to General Electric Company. Photo-electric device. 1,812,764; June 30.
Stott, Eugene L., Chattanooga, Tenn. Necktie. 1,808,616; June 2.
Stott, William, Detroit, Mich. Copyholder. 1,798,961; Mar. 31.
Stötter, Hermann. (See Wenk, B., and Stötter.)
Stout, Ella K. (See Stout, F. and O'Daniell, assignors.)
Stout, Elmer O., and O. M. Summers, Dayton, Ohio, assignors, by mesne assignments, to Frigidaire Corporation. Pressure responsive device and its manufacture. 1,821,950; Sept. 8.
Stout, Fred, and G. R. O'Daniell, Grand Rapids, Mich., assignors of two-fifths to said Stout, one-fifth to said O'Daniell, and two-fifths to E. K. Stout. Measuring and cutting device. 1,803,878; May 5.
Stout, Harry H., Clifton, Ariz., assignor to Copper Deoxidation Corporation, New York, N. Y. Pyrometallurgical copper refining. 1,817,935; Aug. 11.
Stout, Harry H., Clifton, Ariz., assignor, by mesne assignments, to Coalescence Products Company, Inc. Treating metals. 1,822,939; Sept. 15.
Stout, Harry H., Clifton, and J. M. Samuel, Douglas, Ariz. Converter smelting. 1,817,043; Aug. 4.
Stout, James E., Mount Dora, Fla. Resilient support for vehicles. 1,792,876; Feb. 17.
Stout, Roy L., Oakland, Calif. Trailer brake operating mechanism. 1,824,845; Sept. 29.
Stout, William B., Detroit, Mich. Airplane. Des. 85,212; Sept. 22.
Stout, William B., Detroit, Mich. Fuselage for airplanes. Des. 85,213; Sept. 22.
Stout, William B., Detroit, assignor to Ford Motor Company, Highland Park, Mich. Airplane. 1,838,334; Dec. 29.
Stoven, Arthur R., Minneapolis, Minn. Door-operating mechanism. 1,796,582; Mar. 17.
Stover, Albert, et al. (See Albertson, Luther D., assignor.)
Stover, Frank E., Springfield, Ohio. Thermostatic switch. 1,788,640; Jan. 13.
Stover, Frank E., assignor of one-third to B. A. Mayer and one-third to D. T. Igou, Springfield, Ohio. Humidifier. 1,824,416; Sept. 22.
Stover, Frank E., assignor of one-half to D. T. Igou, Springfield, Ohio. Circuit maker and breaker. 1,829,117; Oct. 27.
Stover, Frank E., Luray, Va., assignor of one-third to W. E. Bundy and one-third to F. G. Davis, Springfield, Ohio. Incubator. 1,826,438; Oct. 6.
Stover, George F. (See Dell'era, A. S., and Barnes, assignors.)
Stover, John W., Pittsburgh, Pa. Clothes stand. 1,804,069; May 5.
Stover, Jordan H. (See Parsons, J., and Stover.)
Stover, Le Roy, Des Moines, Iowa. Triangular combination square. 1,836,407; Dec. 15.
Stover Manufacturing & Engine Co. (See Haller, Frank J., assignor.)
Stover Manufacturing & Engine Co. (See Richards, Frederick T., assignor.)
Stover Manufacturing & Engine Co. (See Smith, Walter A., assignor.)
Stover Manufacturing & Engine Co. (See Swartz, Carl H., assignor.)
Stover, Murray A., Pasadena, Calif. Automatic pitch control for horns. 1,802,791; Apr. 28.
Stover, William A., and W. G. Palmer, Tulsa, Okla. Tray for bubble towers. 1,822,323; Sept. 8.
Stover, William J., Fruitland Park, Fla. Grape huller. 1,802,225; Apr. 21.
Stow, George R., Seaton Park, South Australia, Australia. Engine for delivering compressed air and power. 1,831,976; Nov. 17.
Stowe, Lester V., Junction City, Calif. Wing heater for airplanes. 1,791,331; Feb. 3.
Stowe & Woodward Company. (See Phelps, James W., assignor.)

Stowe & Woodward Company. (See Woodward, Frederick R., assignor.)
Stowell, Arthur R., Greenwood, Me. Target. 1,821,330; Sept. 1.
Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Brace bit extension. 1,818,823; Aug. 11.
Stowell, Byron F., assignor to Van Norman Machine Tool Co., Springfield, Mass. Diaphragm chuck. 1,812,455; June 30.
Stowell, Byron F., Hampden, assignor to Van Norman Machine Tool Company, Springfield, Mass. Cutting tool. 1,830,179; Nov. 3.
Stowell, Frank C., Medford, Mass. Rail and tie plate. 1,806,094; May 19.
Stowener, Fritz, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of active adsorbents. 1,798,766; Mar. 31.
Stöwener, Fritz. Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of inorganic active masses. 1,832,153; Nov. 17.
Stowers, Henry C. (See Shelkofsky, Herman A., assignor.)
Stoye, Kurt, New York, N. Y. Vibratory massage machine. 1,836,733; Dec. 15.
Straatman, Alphons G. H., assignor to Naamlooze Venootschap De Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Adjusting well holes. 1,806,509; May 19.
Straatman, Alphons G. H., The Hague, assignor to Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij. The Hague, Netherlands. Recording the inclination and the angular position of cores in bore holes. 1,825,213; Sept. 29.
Strachan & Henshaw, Limited. (See Robinson, P. G., and Sargent, assignors.)
Strachan, Hugh B., assignor of one-third to W. S. Ross, Bedford, Ohio. Tractor and trailer coupling. 1,805,642; May 19.
Strack, Charles and E. C., Random Lake, Wis. Tire chain. 1,815,278; July 21.
Strack, Elton C. (See Strack, Charles and E. C.)
Strack, Otto, Munich, assignor of one-half to the firm of Pfälzische Chamotte-und Thonwerke (Schiffer & Kircher) Aktiengesellschaft, Grunstadt, Germany. Heat-exchanging stone for air heaters and the like. 1,792,663; Feb. 17.
Stradling, James G. (See Stevens, E. D., and Stradling.)
Strahan, Charles F., Linwood, Nebr. Honeycomb and comb foundation. 1,806,987; May 26.
Strahan, Harry J., assignor to True-Test Terminal Corporation, New York, N. Y. Terminal connecting and testing element for spark plugs. 1,836,293; Dec. 15.
Strahtmore Paper Company. (See Bryan, Cassius M., assignor.)
Straka, Anton, Chicago, Ill. Grappling hook. 1,805,604; May 19.
Strakey, Joseph A., and A. H. Bitner, Philadelphia, Pa. Portable power hammer. 1,791,332; Feb. 3.
Straley, John R., Los Angeles, Calif. Tool for making connections. 1,834,436; Dec. 1.
Stramaglia, Nicola, Chicago, Ill. Laundry device. 1,827,678; Oct. 13.
Stranahan, Robert P., assignor to Reynolds Metals Company, Louisville, Ky. Composite wall tile. 1,838,237; Dec. 29.
Strand, Alfred B., St. Paul, Minn. Clutch pedal operator. 1,801,987; Apr. 21.
Strand, Andrew, Minneapolis, Minn. Floor separator. 1,825,021; Sept. 29.
Strand, Loyd M., and J. A. Hollander, Chicago, assignors to Cline Electric Manufacturing Company, Chicago, Ill. Paper-roll chuck. 1,800,327; Apr. 14.
Strand, Ole, et al. (See Kavanagh, Michael J., assignor.)
Strandberg, Erick W., Omaha, Nebr. Lawn mower. 1,819,447; Aug. 18.
Strandell, Arthur, Tallinn, Estonia. Oil extracting device. 1,820,291; Aug. 25.
Strandell, Arthur, Tallinn, Estonia. Oil extracting device. 1,835,355; Dec. 8.
Strandlund, Carl G., assignor to Deere Company, Moline, Ill. Cultivator. 1,790,331; Jan. 27.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Adjustable support for colter shanks. 1,790,956; Feb. 3.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 1,813,506; July 7.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Rolling colter. 1,821,774; Sept. 1.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Wheeled cultivator. 1,828,301; Oct. 20.
Strandlund, Carl G., and J. V. Holstein, assignors to Deere & Company, Moline, Ill. Disk gang plow. 1,790,682; Feb. 3.
Strandlund, Carl G., and J. V. Holstein, assignors to Deere & Company, Moline, Ill. Disk gang plow. 1,834,227; Dec. 1.
Strang, John J., Kansas City, Mo. Combination radio and clock cabinet. Des. 83,020; Jan. 6.
Strang, John J., Jersey City, N. J. Sedan-door glass cleaner. 1,796,223; Mar. 10.
Strang, John M. (See Barr, A., and Strang.)
Stransky Products Corporation. (See Powell, Alfred S., assignor.)
Stransky Products Corporation. (See Weil, William H., assignor.)
Stransky, Siegmund, and F. Hansgirg, Vienna, Austria. Process and apparatus for cracking hydrocarbon oils or their distillates by distillation under pressure. 1,828,691; Oct. 20.
Stranszky, Emil, Warren, Pa. Resistance grid. 1,833,761; Nov. 24.
Strasburg, Samuel S., Akron, Ohio. Flue cleaner. 1,808,870; June 9.
Strassel, Edward, Brooklyn, N. Y. System of indexes. 1,835,678; Dec. 8.
Strasser, Eugen, Rorschach, assignor to M. Dietiker, Zurich, Switzerland. Aluminum alloy. 1,788,751; Jan. 13.
Strasser, Frederic, New York, N. Y. Solder for aluminum and its alloys. 1,812,567; June 30.
Stratford, Charles W., Oakland, Calif. Film heater and vaporizer. 1,795,975; Mar. 10.
Stratford, Charles W., San Francisco, Calif. Process and apparatus for refining oils. 1,812,612; June 30.
Stratford, Charles W., Kansas City, Mo. System for treating petroleum oils. 1,815,366; July 21.
Stratford, Charles W., Oakland, Calif. Heating fluids in a spinning column and apparatus used in connection therewith. 1,825,761; Oct. 6.
Stratford, Charles W., and W. S. James, San Francisco, Calif. Liquid-level control. 1,795,974; Mar. 10.
Stratford, Reginald K., and G. McIntyre, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Revivifying treating agents. 1,801,942; Apr. 21.
Stratford, Reginald K., G. McIntyre, and H. H. Moor, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Removing corrosive agents from hydrocarbon oils. 1,838,031; Dec. 22.
Stratford, William M., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,792,877; Feb. 17.
Stratford, William M., Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treating oil. 1,807,183; May 26.
Stratford, William M., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oil. 1,823,994; Sept. 22.
Strathearn, William H. (See Gibson, J. F., and Strathearn.)
Strathmore Paper Company. (See Cowles, Samuel E., assignor.)
Stratton, Frank E. (See Huxford, G. T., and Stratton.)
Stratton, Frank E., Cranston, assignor to Diamond Machine Company, Providence, R. I. Fluid pressure actuated grinding machine. Re18,149; Aug. 11.
Stratton, Frank E., assignor to Diamond Machine Company, Providence, R. I. Segment for use in grinding wheels. 1,794,992; Mar. 3.
Stratton, Oliver C (See Ellis, Edward E., assignor.)
Straub, Charles O. (See Jackson, H. F., and Straub.)
Straub, Engelbert. (See Benkert, J., and Straub.)
Straub, Francis J., New Kensington, Pa. Building block. Re18,298; Dec. 22.
Straub, Francis J., New Kensington, Pa. Building block and making the same. 1,798,505; Mar. 31.
Straub, Francis J., and J. T. Weinzierl, New Kensington, Pa. Preventing back movement in motor vehicles. 1,798,504; Mar. 31.
Straub, Fritz. (See Schmid, M., and Straub.)
Straub, Fritz. (See Stahel, H., and Straub.)
Straub, Fritz, Basel, and H. Schneider, Riehen, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuff containing chromium and process of making same. 1,796,058; Mar. 10.
Straub, Fritz, and H. Mayer, assignor to Firm Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuff containing metal and making same. 1,833,237; Nov. 24.
Straub, Fritz, and W. Anderau, assignors to the Firm of Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs and making same. 1,836,884; Dec. 15.
Straub, Fritz, Hans Mayer, Basel, and W. Hanhart, Reinhen, near Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Metalliferous dyestuffs and the manufacture of same. 1,835,821; Dec. 8.
Straub, Fritz, and W. Anderau, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Dihydroxy-disulpho-1 : 2 : 2' : 1' dinaphthazine and making same. 1,838,879; Dec. 29.
Straub, Gottfried, Deventer, Netherlands. Carpet and manufacturing the same. 1,789,641; Jan. 20.
Straub, James M., assignor to Electric Welding Company, Pittsburgh, Pa. Reinforced piling. 1,809,574; June 9.
Straubel, Frederick L. G., assignor to The Automatic File & Index Co., Green Bay, Wis. Top-opening filing cabinet. 1,788,036; Jan. 6.
Straubel, Frederick L. G., assignor to The Automatic File & Index Company, Green Bay, Wis. Filing card support. 1,821,244; Sept. 1.
Straubel, Frederick L. G., assignor to The Automatic File & Index Company, Green Bay, Wis. Spacer guide. 1,821,245; Sept. 1.
Straubel, Louis A., Green Bay, Wis. Paper interfolding machine. 1,804,847; May 12.

Straubing, Charles R., and F. E. Dietrich, Salamanca, N. Y. Fuse block. 1,832,796; Nov. 17.
Strauch, Clauss B., Berlin, Germany. Water-oil emulsion and suspensions for medical purposes and process for manufacturing the same. 1,791,878; Feb. 10.
Straughan, Otis J., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 1,835,537; Dec. 8.
Straus, Harry H., New York, N. Y. Automatic re-fill multiple shaving edge safety razor. 1,823,708; Sept. 15.
Straus, Harry H., New York, N. Y. Magazine safety razor. 1,825,429; Sept. 29.
Straus, Sylvan M., Gloversville, N. Y. Mechanism for connecting pieces of material. 1,828,347; Oct. 20.
Strauss, Albert A., Pittsburgh, Pa. Lineman's belt. 1,802,288; Apr. 21.
Strauss, Alfons. (See Kazenmaier, A., and Strauss.)
Strauss, Benno, Essen, Germany, assignor, by mesne assignments, to General Electric Company. Sintered hard metal alloy and articles made thereof. 1,812,811; June 30.
Strauss, Benno, Essen, assignor to Fried-Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Making steel insensible to the action of hot gases and vapors. 1,829,118; Oct. 27.
Strauss, Carol L., Bangor, Me. Garment hanger. 1,810,190; June 16.
Strauss, Ferdinand, New York, N. Y. Doll or similar article. Des. 85,846; Dec. 22.
Strauss, Joseph B., Chicago, Ill. Double-deck bascule bridge. 1,798,506; Mar. 31.
Strauss, Joseph B., Chicago, Ill. Bridge. 1,810,034; June 16.
Strauss, Joseph B., Chicago, Ill. Dirigible flying machine. 1,815,338; July 21.
Strauss, Joseph B., Chicago, Ill. Reconnoitering device. 1,815,935; July 28.
Strauss, Joseph B., Chicago, Ill. Mooring mast for airships. 1,815,936; July 28.
Strauss, Joseph B., Chicago, Ill. Internal combustion engine. 1,816,161; July 28.
Strauss, Joseph B., Chicago, Ill. Yielding barrier for vehicles. 1,818,824; Aug. 11.
Strauss, Joseph B., Chicago, Ill. Airplane. 1,830,007; Nov. 3.
Strauss, Joseph B., Chicago, Ill. Eyebar and fabricating the same. 1,836,345; Dec. 15.
Strauss, Siegmund, Vienna, Austria. Device for measuring high resistances. 1,813,778; July 7.
Strauss, Siegmund, Vienna, Austria. Current rectifier. 1,814,063; July 14.
Straussler, Nicholas, London, England. Folding vehicle. Re18,203; Sept. 22.
Straussler, Nicholas, London, England. Collapsible structure such as pontoons and seaplane floats, divisible into boats. Re18,204; Sept. 22.
Straussler, Nicholas, London, England. Collapsible structure as seaplane floats, pontoons, and the like. 1,795,976; Mar. 10.
Straw, Edward F., assignor to S. Heer, Pittsburgh, Pa. Illuminated display globe. 1,806,769; May 26.
Strawn, Guy A. E., Vista, Calif. Power-transmission mechanism. 1,793,650; Feb. 24.
Strawn, Marion L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Control mechanism. 1,834,986; Dec. 8.
Strayer, Arthur C., New Brighton, Pa. Storage file. 1,817,427; Aug. 4.
Strayer, Daniel H., Venice, Calif. Waterproof receptacle. 1,820,582; Aug. 25.
Streby, Ray D., assignor to The Timken Roller Bearing Company, Canton, Ohio. Automatic feed device. 1,823,995; Sept. 22.
Strecker, Gerald. (See Kirchner, U., and Strecker.)
Strecker, Gerald, Darmstadt, Germany. Surface atomizer for liquid fuel. 1,838,009; Dec. 22.
Streckfuss, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Time recorder. 1,800,414; Apr. 14.
Streepy, Milton E., Altoona, Pa. Tire chain. 1,812,568; June 30.
Street, Edward T., assignor to Downingtown Manufacturing Company, Downingtown, Pa. Suction roll. 1,812,812; June 30.
Street, Frederick G., East Orange, N. J., assignor to Ancira Lock and Seal Corporation, New York, N. Y. Seal. 1,815,016; July 14.
Street Gate Co. (See Street, John W., assignor.)
Street, John W., assignor to Street Gate Co., Litchfield, Ill. Gate. 1,827,173; Oct. 13.
Street & Kent Mfg. Company. (See Kent, Richard P., assignor.)
Street, Victor H., Aberdeen, Wash. Imitation roofing tile. 1,814,347; July 14.
Street, William A., Belington, W. Va. Automobile or traffic signal. 1,805,643; May 19.
Streeter, Claude O., Shrewsbury, assignor to Grafton & Knight Company, Worcester, Mass. Driving belt having wedge-shaped links. 1,803,922; May 5.
Streeter, Edwin H., Cloquet, Minn. Transfer device. 1,809,456; June 9.
Strehl, Floyd R., Los Angeles, Calif. Changeable sign. 1,800,913; Apr. 14.
Streich, A. & Bro. Company. (See Streich, Frederick A., assignor.)
Streich, Frank, assignor to Union Machinery Company, Joliet, Ill. Dough divider. 1,826,031; Oct. 6.
Streich, Frederick A., Oshkosh, Wis. Dump body door operating mechanism. 1,822,324; Sept. 8.
Streich, Frederick A., assignor to A. Streich & Bro. Company, Oshkosh, Wis. Dump wagon door operating device. 1,820,993; Sept. 1.
Streichert, Bertha, Astoria, Oreg., assignor to National Aircraft Co., Ltd. Aircraft propulsion. 1,798,006; Mar. 24.
Streine, Frank H., assignor to The Streine Tool and Manufacturing Company, New Bremen, Ohio. Continuous automatic shearing machine. 1,812,122; June 30.
Streine Tool and Manufacturing Company, The. (See Streine, Frank H., assignor.)
Streit, Carl F., Cincinnati, Ohio. Chair or similar article. Des. 84,007; Apr. 21.
Streit, Carl F., and G. J. Kuehnle, Cincinnati, Ohio, said Kuehnle assignor to said Streit. Scrap removing device for woodworking machinery. 1,805,856; May 19.
Streitwolf, Karl. (See Kolle, W., Hallensleben, Streitwolf, and Bauer.)
Streitwolf, Karl, Frankfort-on-the-Main, and A. Fehrle, Bad-Soden, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Arsenobenzimidazolons. 1,805,382; May 12.
Streker, Joseph A., Providence, R. I. Articulator. 1,812,381; June 30.
Stresau, Richard, Wauwatosa, assignor to Swifton Manufacturing Company, West Allis, Wis. Conveyer. 1,792,195; Feb. 10.
Stresau, Richard, Wauwatosa, assignor to Swifton Manufacturing Company, West Allis, Wis. Affixing keys in tubular shafts. 1,792,196; Feb. 10.
Stresau, Richard, Wauwatosa, assignor to Swifton Manufacturing Company, West Allis, Wis. Foraminous material and making the same. 1,792,197; Feb. 10.
Stresau, Richard, Wauwatosa, Wis., assignor, by mesne assignments, to American Rolling Mill Company, Middletown, Ohio. Apparatus for making spiral tubing by electric welding. 1,795,380; Mar. 10.
Stresau, Richard, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electrically welding thick metal plates. 1,812,123; June 30.
Stresau, Richard, Wauwatosa, assignor to Swifton Manufacturing Company, West Allis, Wis. Feed preparing apparatus. 1,828,987; Oct. 27.
Stresau, Richard, Wauwatosa, Wis., assignor, by mesne assignments, to American Rolling Mill Company, Middletown, Ohio. Making spiral tubing by electric welding. 1,832,059; Nov. 17.
Stresau, Richard, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric arc welding. 1,834,505; Dec. 1.
Stresau, Richard, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Expansible joint for pipe lines. 1,837,490; Dec. 22.
Stricker, William, Kansas City, Mo. Corn sheller. 1,792,518; Feb. 17.
Strickhouser, Sherman I., Passaic, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of aldehyde-amines. 1,805,194; May 12.
Strickhouser, Sherman I. (See Cadwell, S. M., and Strickhouser.)
Strickland, John W., Nashville, N. C. Tray. 1,820,635; Aug. 25.
Strickland, William R., assignor to General Motors Corporation, Detroit, Mich. Intake manifold heater. 1,803,950; May 5.
Stricklen, Oscar. (See Segelhorst, A. L., and Stricklen.)
Strickler, Frank P., Louisville, Ky. Medicated tobacco and making same. 1,793,723; Feb. 24.
Strickler, Harrison K., assignor to The Protane Corporation, Erie, Pa. Valve mechanism for burners. 1,790,683; Feb. 3.
Strickler, Walter B., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,832,263; Nov. 17.
Strickling, Halbert B., assignor to Reo Motor Car Company, Lansing, Mich. Power tool. 1,801,697; Apr. 21.
Strid, Sven J., Chicago, Ill., assignor to T & S Corporation. Cotter pin. 1,799,934; Apr. 7.
Strid, Sven J., Chicago, Ill., assignor to T & S Corporation. Nut lock. 1,832,060; Nov. 17.
Stride, William T., Rochester, N. Y., assignor, by mesne assignments, to The American Laundry Machine Co. Carpet cleaning machine. 1,814,866; July 14.
Strigel, Robert. (See Berthold, R. G., and Strigel.)
Strindberg, Richard, Bradford, Pa., assignor to Anders Jordahl, New York, N. Y. Safety device for fuel tanks. 1,792,198; Feb. 10.
Strindberg, Richard, Bradford, Pa., assignor, by mesne assignments, to American Air Filter Company, Inc., Louisville, Ky. Automatic spray header for horizontal self-cleaning filters. 1,831,782; Nov. 10.
Strindlund, John. (See Lysholm, A., and Strindlund.)
Strindlund, John, Hurum, Norway. Rotary dewatering sieve. 1,816,132; July 28.
String, Joseph S., East Orange, N. J., assignor to J. S. & F. String Incorporated, Newark, N. J. Oil burner. 1,791,854; Feb. 10.

String, J. S. & J. F., Incorporated. (See String, Joseph S., assignor.)
Stringer, Alfred E., Chicago, Ill. Expansion pipe fitting. 1,833,187; Nov. 24.
Stringer, George E. (See Levitt, J. H., Stringer, and Gielow.)
Stringer, Hubert L., Rockbeare Hill, near Exeter, England. Reflecting sign. 1,801,698; Apr. 21.
Stringer, Hubert L., Rockbeare Hill, near Exeter, England. Winding mechanism for timepieces. 1,808,691; June 2.
Stringer, Mark. (See Stringer, Thomas, assignor.)
Stringer, Thomas, assignor of one-half to M. Stringer, San Francisco, Calif. Electric switch. 1,833,476; Nov. 24.
Stringfellow, Henry A. (See Smith, F. H., and Stringfellow.)
Stringham, William, Franklin, assignor to The American Rolling Mill Company, Middletown, Ohio. Rolling sheets. 1,834,657; Dec. 1.
Strip Tin Plate Company. (See Shover, B. R., and Townsend, assignors.)
Strippel, Albert E., Ridgefield Park, N. J. Addressing machine. 1,801,393; Apr. 21.
Strobach, Firm Paul. (See Keller, Georg, assignor.)
Strobel, Alfons, Munich, Germany. Blindstitch sewing machine. 1,828,789; Oct. 27.
Strobel, Carl, Cuxhaven, Germany. Glass-cutting tool. 1,788,175; Jan. 6.
Strobel, Charles K., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Device for operating on flat articles. 1,799,655; Apr. 7.
Strobel, Charles K., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Copper oxide rectifier. 1,820,166; Aug. 25.
Strobel, Clarence J., Marysville, Mich., and A. P. Tallman, Toledo, Ohio. Waterproof paper. 1,803,816; May 5.
Strobel, Ferdinand R., Philadelphia, Pa. Pin sorter and dispenser. 1,812,501; June 30.
Strobel, Karl, assignor to A. O. Smith Corporation, Milwaukee, Wis. Method of and apparatus for arc welding. 1,787,600; Jan. 6.
Strobel, Karl, assignor to A. O. Smith Corporation, Milwaukee, Wis. Controlling electric arcs. 1,796,969; Mar. 17.
Strobel, Karl, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric arc welding. 1,806,958; May 26.
Strobl, Hans, Berlin-Tempelhof, assignor, by mesne assignments, to Luftschiffbau Zeppelin G. m. b. H., Friedrichshafen, Bodensee, Germany. Manufacturing gas tight material. 1,827,213; Oct. 13.
Stroburg, Clark E. and G. O., Blockton, Iowa. Corner plow. 1,787,800; Jan. 6.
Stroburg, Glen O. (See Stroburg, Clark E. and G. O.)
Strock, Joseph G., Pittsburgh, Pa. Illuminating means for telephone calling devices. 1,833,135; Nov. 24.
Strode, Victor W., and E. W. Hammer, Portland, Oreg. Aeroplane. Des. 83,074; Jan. 13.
Strode, Victor W., and E. W. Hammer, Portland, Oreg. Aeroplane. Des. 83,284; Feb. 10.
Strode, Victor W., and E. W. Hammer, Portland, Oreg. Aeroplane. Des. 83,285; Feb. 10.
Strode, Victor W., and E. W. Hammer, Portland, Oreg. Aeroplane. Des. 83,286; Feb. 10.
Strode, Victor W., and E. W. Hammer, Portland, Oreg. Aeroplane. Des. 83,287; Feb. 10.
Stroebel, John S., Milwaukee, Wis. Paint pot holder. 1,811,065; June 23.
Stroehmann, Harold J., Williamsport, Pa. Foldable cardboard box. 1,833,599; Nov. 24.
Strohl, Elmer J., Fremont, and E. C. Smith, Lakewood, Ohio, assignors to National Carbon Co., Inc. Battery of dry cells and assembling the same. 1,797,161; Mar. 17.
Strohmenger, Arthur P., London, England, assignor to Quasi-Arc Incorporated, New York, N. Y. Electrode. 1,794,042; Feb. 24.
Stroink, Herbert, assignor to Baumwollspinnerei Gronau, Gronau, Germany. Drawing mechanism for spinning and like frames. 1,834,878; Dec. 1.
Strom, John, Chicago, Ill., and H. E. Anderson, Hammond, Ind. Heel and shape holder. 1,835,538; Dec. 8.
Strom, Manuel, and O. Jager, Hartley, Iowa. Loading machine. 1,799,710; Apr. 7.
Strom, Olaf S., Alhambra, assignor of one-half to S. A. Rosenfeld, Los Angeles, Calif. Lighting fixture. 1,803,568; May 5.
Strombeck, Carl O., Plymouth, Ind., assignor to Edgerton Manufacturing Company. Basket handle applying machine. 1,829,769; Nov. 3.
Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)
Stromberg-Carlson Telephone Manufacturing Company, The. (See Worthington, Everett, assignor.)
Stromberg-Carlson Telephone Manufacturing Company, The. (See Young, Frederick C., assignor.)
Stromberg, David, Cleveland, Ohio. Building. Des. 83,075; Jan. 13.
Stromberg, David, assignor to Joseph Korach Company, Cleveland, Ohio. Show card. Des. 85,556; Nov. 10.
Strömberg, Nils G. A., and G. W. Widlund, Stockholm, Sweden. Sheet feeding mechanism. 1,809,495; June 9.
Stromberg Research Corporation. (See Chandler, Milton E., assignor.)
Stromberg Research Corporation. (See Dienner, John A., assignor.)
Stromer, Oscar A., Sheboygan, Wis. Leveling device. 1,814,976; July 14.
Stromgren, Charles D., Los Angeles, Calif. Expanding piston. 1,794,872; Mar. 3.
Strong, Archie H., Flushing, N. Y., assignor to Master Domestic Refrigerating Company, Inc. Refrigerating apparatus. 1,829,377; Oct. 27.
Strong, Archie H., Norristown, assignor to Master Domestic Refrigerating Company, Inc., Conshohocken, Pa. Refrigerator. 1,829,716; Oct. 27.
Strong, Arthur P., Mishawaka, Ind., assignor to Dodge Manufacturing Corporation. Conveyer roll. 1,789,325; Jan. 20.
Strong, Carlisle & Hammond Company, The. (See Odell, Albert B., assignor.)
Strong, Carlisle and Hammond Company, The. (See Peterson, Guy S., assignor.)
Strong, Chester F., Miami, Fla. Power-generating system. 1,795,053; Mar. 3.
Strong, James B., assignor to Ramapo Ajax Corporation, New York, N. Y. Rail switch. Re18,216; Sept. 29.
Strong, James B., assignor to Ramapo Ajax Corporation, New York, N. Y. Rail switch. 1,793,976; Feb. 24.
Strong, James B., New York, N. Y., P. Hoffman, La Grange, and W. Perdue, Chicago, Ill. assignors to Ramapo Ajax Corporation New York, N. Y. Switch stand. 1,798,767; Mar. 31.
Strong, John E. (See Horton, Charles W., assignor.)
Strong, Lawrence D., Maywood, Ill. Change-over for picture and sound projecting apparatus. 1,796,970; Mar. 17.
Strong, William P., assignor to The Willys-Overland Company, Toledo, Ohio. Vehicle frame. 1,809,606; June 9.
Strong, William T., Norman, Okla. Tool. 1,815,220; July 21.
Stroop, Robert C., Rome, Ga. Airplane appliance. 1,823,069; Sept. 15.
Strosacker, Charles J., assignor to The Dow Chemical Company, Midland, Mich. Manufacture of chloroform. 1,801,887; Apr. 21.
Strosacker, Charles J., H. Kendall, C. C. Kennedy, and E. L. Pelton, assignors to The Dow Chemical Company, Midland, Mich. Indigo powder and making same. 1,794,805; Mar. 3.
Strother, Robert H., Stamford, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y. Computing machine. 1,810,329; June 16.
Strother, Robert H., Montclair, N. J., assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,826,291; Oct. 6.
Strothoff, William J., Manitowoc, Wis. Container. 1,836,780; Dec. 15.
Stroud, Ernest, London, England. Glass panel for luminairs. Des. 85,401; Oct. 20.
Stroud, Ernest, London, England. Glass panel for luminairs. Des. 85,402; Oct. 20.
Stroud, John B., Pass Christian, Miss. Extension step. 1,800,162; Apr. 7.
Stroud Road Machinery Co. (See Thomas, Arthur C., assignor.)
Stroup, Charles L., Oak Park, Ill. Insulating member for high tension construction. 1,815,598; July 21.
Strout, Archie L., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Returning and recovering heat from vapors produced in a process of decomposing petroleum oils. 1,834,228; Dec. 1.
Strout, Robert W., assignor to E. W. Bliss Company, Brooklyn, N. Y. Power press. 1,788,071; Jan. 6.
Strowan Corporation. (See Kiefer, Ralph F., assignor.)
Strowan Corporation. (See Kiefer, R. F., Ritchey, and Farrell, assignors.)
Strube, Edward W., Brightwaters, N. Y. Incinerator. 1,832,949; Nov. 24.
Strube, Edward W., Long Island, N. Y. Incinerator chute and draft apparatus. 1,832,950; Nov. 24.
Strubel, Philip C., Hollis, N. Y. Baluster. 1,797,883; Mar. 24.
Strubing, William, and L. F. Scherzinger, Chicago, Ill., assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y. Prong binder. 1,838,717; Dec. 29.
Struble, George. (See Clark, Noah D., assignor.)
Structural Concrete Units Corporation. (See Thomas, Avila O., assignor.)
Structural Products Corporation. (See Witty, George, assignor.)
Struik, Dirk J. (See Fry, T. C., and Struik.)
Strukel, Phillip, Forest City, Pa. Cushion wheel. 1,797,626; Mar. 24.
Strunk, Gustav, Essen-Ruhr, Germany. Device for changing over the points in mine tracks from the traveling vehicle. 1,806,129; May 19.
Strunk, Harry E., Ontario, Calif., assignor, by mesne assignments, to Popsicle Service, Inc., Chicago, Ill. Coring freezing liquids. 1,833,502; Nov. 24.
Strupe, Cecil H., Indianapolis, Ind., assignor to Leedy Manufacturing Company. Drum pedal. 1,804,128; May 5.
Strupe, Cecil H., assignor to Leedy Manufacturing Company, Indianapolis, Ind. Snare drum. 1,828,083; Oct. 20.
Struthers, Harry R. (See Schifferle, Charles J., assignor.)

Struthers, James A., Minneapolis Minn. Stocking. Des. 83,362; Feb. 17.
Struthers, James A., Minneapolis, Minn. Stocking. Des. 83,363; Feb. 17.
Struthers, James A., Minneapolis, Minn. Stocking. Des. 83,364; Feb. 17.
Struthers, James A., Minneapolis, Minn. Stocking. Des. 85,133; Sept. 15.
Struthers, James A., Minneapolis, Minn. Hosiery or the like. Des. 85,214; Sept. 22.
Struthers, James A., Minneapolis, Minn. Stocking. Des. 85,671; Dec. 1.
Struthers, James A., Minneapolis, Minn. Stocking. Des. 85,672; Dec. 1.
Struthers, Joshua, New York, N. Y., assignor to E. A. Cina, trustee. Magneto. 1,795,282; Mar. 3.
Struthers Wells-Titusville Corporation. (See Davidson, William T., assignor.)
Struthers Wells-Titusville Corporation. (See How, Harlan W., assignor.)
Struthers Wells-Titusville Corporation. (See, O'Brien Frederick J., assignor.)
Struve, Frederick E., Oak Lane, Philadelphia, assignor to Textile Machine Works, Wyomissing, Pa. Thread carrier rod control mechanism. 1,833,310; Nov. 24.
Stryker, Clinton E., Highland Park, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Automatic rectifier regulator. 1,808,717; June 2.
Stryker, Clinton E., Highland Park, assignor to Fansteel Products Company, North Chicago, Ill. Electrical safety device. 1,826,965; Oct. 13.
Stryker, Daniel, White Plains, assignor to The Texas Company, New York, N. Y. Motor fuel. 1,826,439; Oct. 6.
Stryker, George B., jr., assignor to the Weatherproof Products Company, Memphis, Tenn. Insulating material and making same. 1,796,631; Mar. 17.
Stryker, Norman R., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speech transmission system. 1,804,127; May 5.
Strzelczyk, Samuel A., Milwaukee, Wis. Drafting tablet. 1,821,485; Sept. 1.
Stuart, Albert E., Utleyville, Colo. Charging-rate control for generators. 1,795,267; Mar. 3.
Stuart, Alexander A. S., Ridgefield Park, N. J. Surgical knife. 1,804,959; May 12.
Stuart, Clyde W., New York, N. Y. Can punch. 1,827,679; Oct. 13.
Stuart, Fred W., Beverly, Mass. Shoemaking. 1,836,825; Dec. 15.
Stuart, Harve R., Springfield, Ohio. Method of and apparatus for electric refrigeration. 1,818,437; Aug. 11.
Stuart, Harve R., Springfield, Ohio. Oscillating motor. 1,821,123; Sept. 1.
Stuart, Harve R., Springfield, Ohio, assignor to Elisha N. Fales, Lake Forest, Ill. Turbine. 1,802,094; Apr. 21.
Stuart, Homer B., Detroit, Mich. Front wheel drive. 1,812,569; June 30.
Stuart, Joseph, 2d, Wilmington, Del., assignor of one-half to A. I. du Pont, Jacksonville, Fla. Internal-combustion engine. 1,795,099; Mar. 3.
Stuart, Luttrell H., Chicago, Ill. Engine slide valve. 1,794,256; Feb. 24.
Stuart, Paul A., Jamaica, assignor to Andrew Geller Shoe Manufacturing Co. Inc., New York, N. Y. Shoe. Des. 83,650; Mar. 10.
Stuart, Paul A., Jamaica, assignor to Andrew Geller Shoe Manufacturing Co. Inc., New York, N. Y. Shoe. Des. 83,651; Mar. 10.
Stuart, Thomas F., and H. A. Moore, said Stuart assignor to M. E. Bigelow, and said Moore assignor to A. H. Brunner. Los Angeles, Calif. Push catch for doors. 1,805,789; May 19.
Stuart, Thomas F., and H. A. Moore; said Stuart assignor to M. E. Bigelow and said Moore assignor to A. H. Brunner, Los Angeles, Calif. Push catch for doors. 1,830,490; Nov. 3.
Stuart Turner Limited. (See Plint, Alexander F., assignor.)
Stuart, Willard S., East Hartford, assignor to The Billings & Spencer Company, Hartford, Conn. Nut and pipe wrench. 1,799,622; Apr. 7.
Stuber, Adolph, assignor to Eastman Kodak Company, Rochester, N. Y. Camera latch. 1,823,299; Sept. 15.
Stuber, Adolph, assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture projector cabinet. 1,826,680; Oct. 6.
Stuber & Kuck Co. (See Kuck, Henry G., assignor.)
Stuber, Walter J., assignor to Carey-McFall Co., Philadelphia, Pa. Curtain. 1,797,162; Mar. 17.
Stubler, Andrew J. and H. A., assignors of one-third to F. V. Beitler, Halethorpe, Md. Mechanism for accurately controlling and maintaining the speed of ship propellers. 1,836,826; Dec. 15.
Stubler, Herbert A. (See Stubler, Andrew J. and H. A.)
Stubner, John F., Chicago, Ill., assignor of one-third to A. Besser and one-third to M. J. Olshansky. Stereopticon. 1,807,327; May 26.
Stucki, Arnold, Pittsburgh, Pa. Roller side bearing. 1,806,003; May 19.
Stuckwisch, Henry R., Indianapolis, Ind., deceased; N. J. Stuckwisch, administratrix. Water heater. 1,817,214; Aug. 4.
Stuckwisch, Nellie J., administratrix. (See Stuckwisch, Henry R.)
Stucliffe, Edwin A., Oak Park, Ill., assignor to Victor Manufacturing & Casket Co. Rack. 1,801,058; Apr. 14.
Stucliffe, W. H., et al. (See Bennett, Roze E., assignor.)
Studebaker Corporation, The. (See Breneman, Paul E., assignor.)
Studebaker Corporation, The. (See Campbell, Leon J., assignor.)
Studebaker Corporation, The. (See Churchill, Harold E., assignor.)
Studebaker Corporation, The. (See Herrmann, Karl L., assignor.)
Studebaker Corporation, The. (See Hughes, James R., assignor.)
Studebaker Corporation, The. (See Hunt, George, assignor.)
Studebaker Corporation, The. (See James, William S., assignor.)
Studebaker Corporation, The. (See Johnson, Alfred, assignor.)
Studebaker Corporation, The. (See Kohr, Robert F., assignor.)
Studebaker Corporation, The. (See Link, Vincent, assignor.)
Studebaker Corporation, The. (See Paton, Clyde R., assignor.)
Studebaker Corporation, The. (See Roos, Delmar G., assignor.)
Studebaker Corporation, The. (See Smith, Sydney, assignor.)
Studebaker Corporation, The. (See Sullivan, Perry W., assignor.)
Studebaker Corporation, The. (See White, Eber B., assignor.)
Studebaker Corporation, The. (See Wise, Karl M., assignor.)
Studebaker Corporation, The. (See Wisner, Andrew P., signor.)
Studebaker, Marion M., Topeka, Kans. Hatrack. 1,806,578; May 19.
Studer, Clair W., North Canton, Ohio, assignor to The Hoover Company. Filter material and making it. 1,829,618; Oct. 27.
Studer, Erwin, Chicago, Ill. Aeroplane. 1,827,548; Oct. 13.
Studevant, Lafayette M. (See Waterworth, Robert J., assignor.)
Stuebing, Albert F., assignor to The Bradford Patents Corporation, New York, N. Y. Friction draft gear. 1,836,294; Dec. 15.
Stuebing, William, jr., Cincinnati, Ohio. Lifting truck. 1,803,079; Apr. 28.
Stuebing, William, jr., Cincinnati, Ohio, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Platform. 1,796,128; Mar. 10.
Stuebing, William, jr., Cincinnati, Ohio, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Lifting truck. 1,814,977; July 14.
Stuebing, William, jr., Cincinnati, Ohio, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Lifting truck. 1,832,917; Nov. 24.
Stuebing, William, jr., Cincinnati, Ohio, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Skid. 1,836,885; Dec. 15.
Stuebing, William, jr., Cincinnati, Ohio, assignor to The Yale and Towne Manufacturing Company, Stamford, Conn. Reel rack. 1,837,175; Dec. 15.
Stuebing, William, jr., Cincinnati, Ohio, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Portable skid. 1,838,589; Dec. 29.
Stueckle, John A., Spokane, Wash. Non-skid tire chain. 1,810,191; June 16.
Stueckman, Herman, Chicago, Ill. Cutting implement. 1,822,828; Sept. 8.
Stuer, Bernhard C., Aachen, assignor to the firm Rhenania Verein Chemischer Fabriken Aktien-Gesellschaft, Aachen, Germany. Manufacture of barium hydroxide and strontium hydroxide. 1,812,250; June 30.
Stuhlmann, Paul, Cologne-Lindenthal, Germany. Treating resins. 1,809,738; June 9.
Stuhr, Robert. (See Thomas, E., and Stuhr.)
Stuivenberg, Cornelis H., assignor to Naamlooze Vennootschap "Kamatec," Amsterdam, Netherlands. Apparatus for sorting punched cards with the help of feeler pins. 1,799,186; Apr. 7.
Stukart, Hendrik, assignor to U. S. Slicing Machine Company, La Porte, Ind. Work holder for slicing machines. 1,801,250; Apr. 14.
Stukenborg, Louis C., Memphis, Tenn. Brake testing means and method for automobiles. 1,825,484; Sept. 29.
Stukenborg, Louis C., Memphis, Tenn. Cotton boll gatherer. 1,826,101; Oct. 6.
Stukenborg, Louis C., assignor to Oildraulic Lift Company, Memphis, Tenn. Vehicle lifting jack. 1,803,682; May 5.
Stukenborg, Louis C., assignor to The Standard Lift Company, Memphis, Tenn. Hydraulic elevator. 1,834,506; Dec. 1.
Stuler, Rudolph W. (See Crolius, F. J., and Stuler.)
Stull, Elihu, and M. M. Kennedy, El Paso, Tex. Handcuff handle. 1,803,280; Apr. 28.

Stull, John S. (See Nelson, C. E., and Stull.)
Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for stripping covered strands. 1,800,914; Apr. 14.
Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Stock feeding device. 1,806,130; May 19.
Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling articles. 1,806,131; May 19.
Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 1,827,302; Oct. 13.
Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Threading die. 1,833,661; Nov. 24.
Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling articles. 1,833,662; Nov. 24.
Stull, Roy H., Sunbury, Pa. Automatic fuel feeder. 1,820,507; Aug. 25.
Stuller, Earl A., assignor to The Cleveland Chain and Manufacturing Company, Cleveland, Ohio. Chain welding machine. 1,833,444; Nov. 24.
Stump, Earl, assignor to Roberts and Schaefer Company, Chicago, Ill. Hydraulic cleaner control. 1,806,923; May 26.
Stump, Horace E. (See Loomis, C. C., and Stump.)
Stump, Ira E., East Cleveland, and T. A. Knoedler, Shaker Heights, Ohio. Driving faucet. 1,826,838; Oct. 13.
Stumpf, Joseph F., Chicago, Ill. Subplate for drill jigs. 1,818,966; Aug. 11.
Stunz, William P., Lansdowne, Md., assignor to Safe Deposit and Trust Company of Baltimore, as trustee under the will of G. R. Webb. Multiplex transmitter. 1,812,570; June 30.
Stunz, William P., Lansdowne, Md., assignor to Safe Deposit and Trust Company of Baltimore. Telephonic instrument. 1,812,571; June 30.
Stupakoff Laboratories, Inc. (See McCullough, Frederick S., assignor.)
Stupecky, Adolph E., Racine, Wis. Bowling bag. 1,802,682; Apr. 28.
Stupecky, Adolph E., Racine, Wis. Bowling bag. 1,803,217; Apr. 28.
Sturcke, Herman E., deceased, Port Orange, Fla. G. E. Kuntz, executrix. Pressure-measuring device. 1,796,489; Mar. 17.
Sturdy's, J. F., Sons Co. (See Nelson, Nels T., assignor.)
Sturges, Perley C., Bronxville, N. Y. Boat equipment. 1,820,923; Sept. 1.
Sturges, Thomas B. (See Ferguson, John A., assignor.)
Sturgis, Carl L., Brockton, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Hinge last. 1,811,901; June 30.
Sturgis, Earl G., Huron, S. Dak. Article holder. 1,826,640; Oct. 6.
Sturgis, La Verne C. (See Le Daum, H. L., and Sturgis.)
Sturgis Posture Chair Company. (See Huntley, Reginald C., assignor.
Sturgis, William B., Chicago, Ill. Damper. 1,787,738; Jan. 6.
Sturgis, William B., Chicago, Ill. Oil burner. 1,806,566; May 19.
Sturgis, William B., Chicago, Ill. Oil filter. 1,809,429; June 9.
Sturgis, William B., Chicago, Ill. Draft regulating system. 1,809,575; June 9.
Sturk, Ewald E., Hollywood, Calif. Automobile wheel. 1,801,647; Apr. 21.
Sturm, Fritz, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschrankter Haftung, Friedrichshafen, Bodensee, Germany. Carburetor for internal combustion engines. 1,827,214; Oct. 13.
Sturman, Henry C., Chicago, Ill. Electric conductor supporting and insulating structure. 1,801,394; Apr. 21.
Sturni, Frank. (See Paul, A., and Sturni.)
Sturrock, Archibald, Victoria, British Columbia, Canada. Log bunk. 1,814,232; July 14.
Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)
Sturtevant, B. F. Company. (See Bentley, Oliver D. H., assignor.)
Sturtevant, B. F., Company. (See Derry, Gardner C., assignor.)
Sturtevant, B. F., Company. (See Freeman, Ernest B., assignor.)
Sturtevant, B. F., Company. (See Hagen, Harold F., assignor.)
Sturtevant, B. F., Company. (See Middleton, Harry N., assignor.)
Sturtevant, B. F., Company. (See Mosher, Charles D., assignor.)
Sturtevant, Laurance H., Quincy, assignor to Sturtevant Mill Company, Boston, Mass. Foot vibrator. 1,788,176; Jan. 6.
Sturtevant Mill Company. (See Sturtevant, Laurance H., assignor.)
Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)
Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Air separator. 1,788,361; Jan. 6.
Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Air separator. 1,826,406; Oct. 6.
Stüsser, Richard. (See Huismann, J., Schweitzer, and Stüsser.)
Stüsser, Richard, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New azo dye. 1,833,269; Nov. 24.
Stüting, Heinrich, Witten-on-the-Ruhr, Germany. Roll bearings in universal rolling mills. 1,788,693; Jan. 13.
Stutler, Warner, Benning Road and District Line, District of Columbia, assignor to Warner Stutler Company, Washington, D. C. Reclaiming spent oil. 1,838,718; Dec. 29.
Stutler, Warner Company. (See Stutler, Warner, assignor.)
Stutz-Benz, Emil, Landsberg-on-the-Warthe, Germany. Stopping device for spinning and doubling machines. 1,815,743; July 21.
Stutzenstein, Ernest. (See Stutzenstein, Henry, assignor.)
Stutzenstein, George. (See Stutzenstein, Henry, assignor.)
Stutzenstein, Henry, Dannemora, N. Y., assignor of one-fourth to E. Stutzenstein, one-eighth to G. Stutzenstein, and one-eighth to W. Stutzenstein, Valley Stream, L. I., N. Y., and one-fourth to M. H. Siner, Dannemora, N. Y. Striping machine. 1,835,822; Dec. 8.
Stutzenstein, William. (See Stutzenstein, Henry, assignor.)
Stutzman, Ira E. (See Wilgus, J. S., and Stutzman.)
Stuyvesant, Lewis R., Allamuchy, N. J. Safety device for firearms. 1,812,905; July 7.
Styer, Charles A. (See Maude, A. H., Rodman, Styer, and Wilbarm.)
Styer, Charles A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Deoxidizing material and forming the same. 1,838,968; Dec. 29.
Styer, Minor B., Dayton, Ky. Bracelet or similar article of jewelry. Des. 83,076; Jan. 13.
Styll, Harry H., Southbridge, Mass. Correspondence folder. 1,794,560; Mar. 3.
Styll, Harry H., Southbridge, Mass. Bridge for ophthalmic mountings. 1,838,793; Dec. 29.
Styrud, Sven G., Brooklyn, N. Y., assignor to The Koppers Company. Gas and liquid contact apparatus and method. 1,798,563; Mar. 31.
Styx, Abigail M., assignor of one-half to W. F. Bina, Chicago, Ill. Combination salt and pepper shaker. 1,801,241; Apr. 14.
Subber, Morris, Philadelphia, Pa. Automobile indicator. 1,800,967; Apr. 14.
Subick, George, Chicago, Ill. Garment-hanger frame. 1,790,604; Jan. 27.
Submarine Signal Company. (See Kunze, Willy, assignor.)
Submarine Signal Company. (See Skudre, Arnold M., assignor.)
Submarine Signal Company. (See Turner, Edwin E., jr., assignor.)
Sub-soil Aeration Company. (See Spencer, Charles H., assignor.)
Sucher, Felix and S. H., St. Louis, Mo. Merry-go-round. 1,813,210; July 7.
Sucher, Sophia H. (See Sucher, F. and S. H.)
Suchofsky, Frank, Hoboken, N. J. Wing brake for aeroplanes. 1,828,161; Oct. 20.
Suchy, Robert. (See Pistor, G., Suchy, and Reubke.)
Suchy, Robert, and Rudolf Schulze, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing tri-ammonium phosphate. 1,835,441; Dec. 8.
Suchy, Robert, K. Staib, and W. Moschel, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Protected carbon electrode. 1,797,805; Mar. 24.
Suchy, Robert, K. Staib, and W. Moschel, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for the fusion electrolysis of metallic chlorides. 1,818,173; Aug. 11.
Suchy, Robert, K. Staib, and W. Moschel, Bitterfeld, assignors to I. G Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Partition for separating the products of fusion electrolysis of metallic chlorides. 1,818,174; Aug. 11.
Suckel, Charles H., Jackson Heights, N. Y. Automatic sash fastener. 1,823,807; Sept. 15.
Suckfield, George A., Avalon, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Car construction. 1,834,437; Dec. 1.
Sudduth, Earl W., Birmingham, Ala. Highway advertising sign. 1,808,692; June 2.
Sudekum, William, Nashville, Tenn. Rod packing. 1,795,687; Mar. 10.
Suderov, Abraham, New York, N. Y. Finger ring or similar article. Des. 84,216; May 19.
Suderov, Abraham, New York, N. Y. Finger ring or similar article. Des. 84,217; May 19.
Suderov, Abraham, New York, N. Y. Finger ring or similar article. Des. 85,012; Sept. 1.
Sudre, René., Paris, assignor to Societe D'Exploitation Des Brevets Fort., Villiers, Neuilly sur Seine, France. Portable shearing tool. 1,819,135; Aug. 18.
Suekert, Harold C., assignor to himself and F. J. Kent, New York, N. Y. Direct water-cooling system. 1,799,768; Apr. 7.

Suekoff, Louis A., Wilmette, assignor of one-half to F. A. Nachman, Chicago, Ill. Mattress and cushion. Re18,101; June 16.
Suekoff, Louis A., Wilmette, Ill., assignor to Nachman Spring-Filled Corporation, Chicago, Ill. Spring assembly for upholstery. 1,793,724; Feb. 24.
Suekoff, Louis A., Wilmette, assignor of one-half to F. A. Nachman, Chicago, Ill. Roll-edge mattress. 1,823,669; Sept. 15.
Suess, Eduard, Vienna, Austria. Siphon turbine. 1,809,496; June 9.
Suessle, Joseph F. (See Stimpson, E. B., and Suessle.)
Suffern, Ernest S., Montclair, N. J., assignor to H. D. Tollemache, London, England. Generation of gas. 1,836,627; Dec. 15.
Sugata, Motomu, Minami Katsuchika Gun Tokyo Fu, Japan. Manufacturing celluloid substitute. 1,797,806; Mar. 24.
Sugden, Bertha, now by marriage Bertha Sugden Tuttle, assignor to Technicolor Motion Picture Corporation, Boston, Mass. Preparation of colored reproductions by imbibition. 1,807,805; June 2.
Sugerman, Louis, assignor to Leon Benoit, Chicago, Ill. Twin-section egg carton. 1,793,026; Feb. 17.
Sugerman, Louis, Chicago, Ill., assignor to L. Benoit, Chicago, Ill. Twin-section egg carton. 1,794,124; Feb. 24.
Sugerman, Louis, Chicago, Ill., assignor to L. Benoit, Chicago, Ill. Twin-section egg carton. 1,794,125; Feb. 24.
Sugimura, Ihei, Shiba Ku, Tokyo, and K. Magarisawa, Tsurumi Ku, Yokohama, assignors to Meijiro Yasumoto, Yokohama, Japan. Composite casting. 1,819,722; Aug. 18.
Suhner, Otto, Brugg, Switzerland. Mounting rotating bodies upon driving shafts. 1,790,446; Jan. 27.
Suhr, Henry H., Pender, Nebr. Mousetrap. 1,791,172; Feb. 3.
Suida, Hermann, Modling, near Vienna, Austria. Obtaining concentrated acetic acid from dilute acetic acid. 1,795,977; Mar. 10.
Suida, Hermann, Modling, Austria, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of isopropyl- and homologous esters of aliphatic acids and isopropyl- and homologous alcohols. 1,836,135; Dec. 15.
Sukumlyn, Thomas W., Los Angeles, Calif. Vacuum tube pickup device. 1,831,977; Nov. 17.
Sulger, Joseph F., and S. Kaufman, New York, N. Y. Combined bar pin, pendant, and choker. 1,797,703; Mar. 24.
Sullivan, Edward D., Klamath Falls, Oreg. Combination tongue and brake. 1,806,719; May 26.
Sullivan, Edward W., Rockaway Park, N. Y. Hose coupling. 1,819,448; Aug. 18.
Sullivan, Francis D., Memphis, Tenn. Acid-proof coating composition. 1,808,081; June 2.
Sullivan, Frank J., Oshkosh, Wis. Lock. 1,796,490; Mar. 17.
Sullivan, Frederick W., jr. (See Brown, A. B., and Sullivan.)
Sullivan, Frederick W., jr., assignor to Standard Oil Company, Whiting, Ind. Lubricant oil. 1,789,026; Jan. 13.
Sullivan, Frederick W., jr., and E. W. Adams, assignors to Standard Oil Company, Whiting, Ind. Insecticide and fungicide. 1,800,114; Apr. 7.
Sullivan, Frederick W., jr., and E. W. Adams, assignors to Standard Oil Company, Whiting, Ind. Insecticide. 1,830,969; Nov. 10.
Sullivan, Frederick W., jr., assignor to Standard Oil Company, Whiting, Ind. Lubricant. 1,830,970; Nov. 10.
Sullivan, Harry H., Rochester, N. Y. Printing machine for sensitized material. 1,790,881; Feb. 3.
Sullivan, J. T., et al. (See Haworth, De Witt C., assignor.)
Sullivan, James E., assignor to The Sullivan Printing Works Company, Cincinnati, Ohio. Sheet dividing and compiling mechanism. 1,815,744; July 21.
Sullivan, Jeremiah A. (See Sears, S. P., and Sullivan.)
Sullivan, John T., Lewiston, Idaho. Motor vehicle. 1,806,095; May 19.
Sullivan, John V., Fremont, Ohio. Glove. 1,820,847; Aug. 25.
Sullivan, Joseph F., Archbald, Pa. Gas distribution apparatus. 1,804,896; May 12.
Sullivan, Joseph P., Edmonton, Alberta, Canada. Sound amplifier. 1,825,166; Sept. 29.
Sullivan, Joseph W., et al. (See Thompson, Thomas, assignor.)
Sullivan Machinery Company. (See Boudette, Cornelius G., assignor.)
Sullivan Machinery Company. (See Cartlidge, Frank, assignor.)
Sullivan Machinery Company. (See Clapp, Lewis J., assignor.)
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
Sullivan Machinery Company. (See Halleck, Frank A., assignor.)
Sullivan Machinery Company. (See Holdsworth, Fred D., assignor.)
Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
Sullivan Machinery Company. (See Hoy, Austin Y., assignor.)
Sullivan Machinery Company. (See Huffman, Marvin C., assignor.)
Sullivan Machinery Company. (See Hunter, David H., assignor.)
Sullivan Machinery Company. (See Johansen, Harry C., assignor.)
Sullivan Machinery Company. (See Lesicko, Joseph, assignor.)
Sullivan Machinery Company. (See Maxson, Louis A., assignor.)
Sullivan Machinery Company. (See Mercer, Henry H., assignor.)
Sullivan Machinery Company. (See Mitchell, Joseph S., assignor.)
Sullivan Machinery Company. (See Oliphant, John, assignor.)
Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
Sullivan Machinery Company. (See Osgood, Robert C., assignor.)
Sullivan Machinery Company. (See Phillips, Arthur W., assignor.)
Sullivan Machinery Company. (See Rundqvist, Thore R. E., assignor.)
Sullivan Machinery Company. (See Sanford, John W., assignor.)
Sullivan Machinery Company. (See Shelburne, Arthur, assignor.)
Sullivan Machinery Company. (See Simmons, Leon E., assignor.)
Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
Sullivan Machinery Company. (See Wyman, Charles W., assignor.)
Sullivan, Michael F., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Gauge for fabric cutting machines. 1,819,046; Aug. 18.
Sullivan, Michael L., Oxnard, Calif. Universal connection between headwall and drainpipe. 1,832,333; Nov. 17.
Sullivan, Perry W., assignor to The Studebaker Corporation, South Bend, Ind. Door latch. 1,787,707; Jan. 6.
Sullivan Printing Works Company, The. (See Sullivan, James E., assignor.)
Sullivan, Raymond D., et al. (See Smith, Richard F., assignor.)
Sullivan, Timothy G., Portland, Oreg. Gasifier. 1,825,830; Oct. 6.
Sullivan, William B., assignor to Chrobaltic Tool Company, Detroit, Mich. Valve and making the same. 1,789,374; Jan. 20.
Süllwald, Gustav., Freiburg, Germany. Packing cigarettes and the like. 1,830,571; Nov. 3.
Sulphide Research Corporation Limited, The. (See Freeman, Horace, assignor.)
Sulzer, Albert F., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate composition. 1,826,681; Oct. 6.
Sulzer, Albert F., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film for picture and sound reproduction. 1,831,792; Nov. 10.
Sulzer, Albert F., assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture and sound film. 1,831,793; Nov. 10.
Sulzer, Albert F., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of cellulose acetate film. 1,833,136; Nov. 24.
Sulzer Freres Societe Anonyme, The Firm of. (See Atteslander, Edouarde, assignor.)
Sulzer Frères Société Anonyme. (See Dinner, Heinrich, assignor.)
Sulzer Frères Société Anonyme. (See Foth, Peter, assignor.)
Sulzer Frères Société Anonyme. (See Hefti, Wilheim, assignor.)
Sulzer, Frerès Société Anonyme. (See Kägi, Emil, assignor.)
Sulzer Frères Société Anonyme. (See Klein, Rudolf, assignor.)
Sulzer Frères Société Anonyme. (See Schaer, Charles, assignor.)
Sulzer Freres Societe Anonyme. (See Simmen, Oscar, assignor.)
Sulzer Freres Societe Anonyme. (See Tobler, Werner, assignor.)
Sulzer Frères Société Anonyme, The Firm. (See Trechsel, Max, assignor.)
Sulzer Frères Societe Anonyme. (See Von Salis, Eduard, assignor.)
Sulzer, Fréres, Société Anonyme at Winterthur, the Firm. (See Klein, Rudolf, assignor.)
Sülzle, Wilhelm, Rosenfeld, Germany. Staple holder for use in stapling gear belts and the like. 1,787,557; Jan. 6.
Suman, George O., Oil Center, assignor to Associated Oil Company, San Francisco, Calif. Core drill. 1,834,320; Dec. 1.
Sumi, Yuji, San Francisco, Calif. Combined coat hanger and hat brush. 1,836,942; Dec. 15.
Summer, Frank S. (See Summer, Samuel, assignor.)
Summer, Frank S., et al. (See Summer, Samuel, assignor.)
Summer, Samuel, et al. (See Summer, Samuel, assignor.)
Summer, Samuel, Albany, assignor of one-half to F. S. Summer, New York, N. Y. Fountain pen. 1,788,212; Jan. 6.

Summer, Samuel, Albany, assignor of one-half to S. Summer and one-half to F. S. Summer, New York, N. Y. Cigar and cigarette lighter. 1,813,715; July 7.
Summerbell, William J., Los Angeles, Calif. Glare shield. 1,814,500; July 14.
Summerfield, Bernard, Chicago, Ill. Doorcheck. 1,818,655; Aug. 11.
Summerhayes, William K., jr., Louisville, Ky. Sign bracket. 1,792,615; Feb. 17.
Summers, Bertrand S., Evanston, Ill. Continuous plant for treating fiber. 1,790,081; Jan. 27.
Summers, Bertrand S., Evanston, Ill. Fiber drier. 1,831,978; Nov. 17.
Summers, Bertrand S., Evanston, Ill., and H. T. Heath, Cardenas, Cuba. Connecting conveyer device for handling fibrous material in manufacture. 1,819,661; Aug. 18.
Summers, Caleb E. (See Sanders, R. C., and Summers.)
Summers, Caleb E., assignor to General Motors Research Corporation, Detroit, Mich. Fuel system. 1,802,848; Apr. 28.
Summers, Caleb E., assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Counterbalancing and for counteracting torsional vibration in crank shafts. 1,827,721; Oct. 13.
Summers, Caleb E., Pontiac, assignor to General Motors Research Corporation, Detroit, Mich. Combustion chamber for internal combustion engines. 1,833,445; Nov. 24.
Summers, Caleb E., assignor to General Motors Research Corporation, Detroit, Mich. Oil cleaner. 1,837,687; Dec. 22.
Summers, Caleb E., and T. C. Van Degrift, assignors to General Motors Research Corporation, Detroit, Mich. Crank shaft balancing machine. 1,822,860; Sept. 8.
Summers, Caleb E., and R. K. Lee, assignors to General Motors Research Corporation, Detroit, Mich. Engine mounting. 1,829,723; Oct. 27.
Summers, Earl F., Wheeling, W. Va. Free wheeling coaster mechanism for automobiles. 1,834,037; Dec. 1.
Summers, Harry A. (See Capps, F. L., and Summers.)
Summers, Joe N. (See Briggs, R. W., and Summers.)
Summers, Kenneth E., Westboro, assignor, by mesne assignments, to Norton Company, Worcester, Mass. Lapping head. 1,796,060; Mar. 10.
Summers, Leland L. (See Deppé, W. P., and Summers.)
Summers, Llewellyn L. B., et al., administrators. (See Deppé, W. P., and Summers.)
Summers, Otto M. (See Kettering, C. F., and Summers.)
Summers, Otto M. (See Stout, E. O., and Summers.)
Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerator latch. 1,789,394; Jan. 20.
Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Pump for refrigerating apparatus. 1,789,395; Jan. 20.
Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Pump for refrigerating apparatus. 1,789,396; Jan. 20.
Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Pump for refrigerating apparatus. 1,801,395; Apr. 21.
Summers, Otto M., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Method of and apparatus for forming coils. 1,802,161; Apr. 21.
Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,802,451; Apr. 28.
Summers, Otto M., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,802,486; Apr. 28.
Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,804,653; May 12.
Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,804,654; May 12.
Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Power transmitting device. 1,806,653; May 26.
Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,808,939; June 9.
Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,815,170; July 21.
Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus switch control. 1,819,979; Aug. 18.
Summers, Otto M., Dayton, assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,822,067; Sept. 8.
Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,822,068; Sept. 8.
Summers, Otto M., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,825,022; Sept. 29.
Summers, Otto M., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,826,839; Oct. 13.
Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,826,966; Oct. 13.
Summers, Otto M., Dayton, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,827,769; Oct. 20.
Summers, Otto M., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,833,922; Dec. 1.
Summers, Otto M., assignor to Frigidaire Corporation Dayton, Ohio. Refrigerating apparatus. 1,834,038; Dec. 1.
Summers, Ralph S., Anaheim, Calif. Automatic locking double-ratcheting screw driver. 1,795,054; Mar. 3.
Summers, Samuel L., Fort Washington, Pa. Methylene diguaiacol derivative. 1,793,027; Feb. 17.
Summers, Samuel L., Fort Washington, Pa. Methylene diguaiacol derivative. 1,793,028; Feb. 17.
Summers, Samuel L., Fort Washington, Pa. Condensation product of the diethyl ester of methelene-disalicylic acid di (p-amino benzyl ether) with pyruvic acid. 1,813,364; July 7.
Summers, Samuel L., Fort Washington, Pa. Acetylated disazo compound. 1,813,365; July 7.
Summey, David L., assignor to Scoville Manufacturing Company, Waterbury, Conn. Furnace. 1,825,831; Oct. 6.
Summit Mold and Machine Company, The. (See Norris, Charles E., assignor.)
Sumner, Albertia M., Dayton, Ohio. Supported manikin. 1,833,503; Nov. 24.
Sumner, George P. (See Miller, H. C., and Sumner.)
Sumner, May, executrix. (See Miller, Henry C., and Sumner.)
Sumner, Richard E., Plainfield, assignor to The Calco Chemical Company, Inc., Bound Brook, N. J. Shellac composition. 1,816,447; July 28.
Sumner, Thomas B., Everett, Wash. Sawmill hog. 1,816,097; July 28.
Sumner, William, Liverpood, England. Apparatus for manufacturing small articles such as pills or the like from plastic material. 1,825,559; Sept. 29.
Sumter Machinery Company. (See Siddall, Thomas H., assignor.)
Sunbeam Electric Manufacturing Company. (See Richard, William E., assignor.)
Sund, Alfred D., Santa Rosa, Calif. Broom bumper. 1,823,300; Sept. 15.
Sunday, James J., assignor of one-half to J. E. and E. F. Fouth, Chicago, Ill. Artificial bait. 1,801,579; Apr. 21.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Fastening device. 1,809,717; June 9.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Making separable fastener sliders. 1,810,377; June 16.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,810,685; June 16.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,810,686; June 16.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,813,432; July 7.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,813,433; July 7.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Article employing fastener. 1,831,045; Nov. 10.
Sundberg, Axel G., assignor to Reymershohns Gamla Industri Aktiebolag, Halsingborg, Sweden. Utilizing the liquors obtained by subjecting pyrites cinder to chloridizing roasting and lixviating the roasted material. 1,800,761; Apr. 14.
Sundberg, Gustaf W., and L. J. Edmunds, Los Angeles, Calif. Piston oil saving ring. 1,804,848; May 12.
Sundberg, Karl, and E. D. Lindblon, assignors to Aktiebolaget Elektrisk Malmletning, Stockholm, Sweden. Method and apparatus for subsoil investigating. 1,820,953; Sept. 1.
Sundblad, Uno L., New Haven, Conn. Rotary time switch for self-winding clocks and the like. 1,794,993; Mar. 3.
Sundbom, Chester A., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Feed mechanism for bake ovens. 1,795,352; Mar. 10.
Sunde, Benjamin W., assignor to Blackwell and Sunde, Incorporated. Long Beach, Calif. Chuck. 1,837,688; Dec. 22.
Sunde, Benjamin W., assignor to Blackwell & Sunde, Incorporated, Long Beach, Calif. Tongs. 1,837,689; Dec. 22.
Sunde, Benjamin W., assignor to Blackwell & Sunde, Incorporated, Long Beach, Calif. Dent remover. 1,837,690; Dec. 22.
Sunde, George C., Seattle, Wash. Telephone book holder. 1,803,218; Apr. 28.
Sundeen, Alf A. (See Johnson, Amos R., assignor.)
Sundeen, Caleb A., Gardner, Mass., assignor to Iceberg Manufacturing Company. Sealing ring. 1,837,500; Dec. 22.
Sundell, Carl J., Chicago, Ill. Hose clamp. 1,816,301; July 28.
Sundell, Gustaf A., assignor to N. A. Hallwood, Columbus, Ohio. Scale. 1,818,285; Aug. 11.
Sunderland, Charles C., assignor to John A. Roebling's Sons Company, Trenton, N. J. Rope-making machine. 1,788,641; Jan. 13.
Sundh, August, Hastings-upon-Hudson, N. Y. Flexible shock-absorbing friction clutch. 1,791,016; Feb. 3.

Sundh, August, Hastings-upon-Hudson, N. Y. Self-holding device for nuts. 1,791,017; Feb. 3.
Sundh, August, Hastings upon Hudson, N. Y. Self holding nut. 1,830,918; Nov. 10.
Sundh, August, Hastings upon Hudson, N. Y. Self holding device for nuts. 1,830,919; Nov. 10.
Sundh, August, Hastings upon Hudson, N. Y. Self holding device for nuts. 1,830,920; Nov. 10.
Sundhaussen, Herman, Dusseldorf-Rath, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Long-distance controlling apparatus. 1,800,328; Apr. 14.
Sundock, Philip. (See Borislavsky, M. A., and Sundock.)
Sundquist, John V., Norwood, Mass. Can top. 1,789,788; Jan. 20.
Sundstedt, Hugo, assignor to American Avigation Corporation, New York, N. Y. Wing structure for airplanes. 1,822,940; Sept. 15.
Sundstrand Corporation. (See Sundstrand, Oscar J., assignor.)
Sundstrand, Gustaf D., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Feeding mechanism for machine tools. 1,789,886; Jan. 20.
Sundstrand, Gustaf D., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Overarm clamping means. 1,800,267; Apr. 14.
Sundstrand, Gustaf D., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Machine tool. 1,809,949; June 16.
Sundstrand Machine Tool Co. (See Sundstrand, Gustaf D., assignor.)
Sundstrand Machine Tool Co. (See Svenson, Ernest J., assignor.)
Sundstrand, Oscar J., Rockford, Ill. Fountain pen. 1,809,992; June 16.
Sundstrand, Oscar J., Rockford, Ill., assignor to Sundstrand Corporation, Wilmington, Del. Cash register. 1,810,737; June 16.
Sundstrand, Oscar J., Rockford, Ill., assignor to Sundstrand Corporation, Wilmington, Del. Control printing of signals. 1,829,461; Oct. 27.
Sundstrom, Carl, and C. S. Lykes, Syracuse, assignors to Solvay Process Company, Solvay, N. Y. Production of a concentrated caustic soda product. 1,806,096; May 19.
Sundstrom, Ivar, Rochester, N. Y., assignor to Shuron Optical Company, Inc. Eyeglass mounting. 1,807,560; May 26.
Sun Glow Industries, Inc. (See Meyers, Otto J., assignors.)
Sun Investment Corporation. (See Campbell, Roy, assignor.)
Sunkenberg, Edward W., Hohokus, N. J. Supporting and/or illuminating device. 1,795,321; Mar. 10.
Sun Maid Raisin Growers of California. (See Forrest, Thomas W. W., assignor.)
Sunnen, Joseph, St. Louis, Mo. Split-lock replacer. 1,789,482; Jan. 20.
Sunnen, Joseph, St. Louis, Mo. Valve lifter. 1,792,451; Feb. 10.
Sunnes, Henry M., Chicago, assignor to F. A. Lundquist, Galva, Ill. Temporary safe. 1,837,501; Dec. 22.
Sun Oil Company. (See Alleman, Gellert, assignor.)
Sun Oil Company. (See Courtenay, William A., jr., assignor.)
Sun Oil Company. (See Pew, Arthur E., jr., assignor.)
Sun Oil Company. (See Pew, A. E., jr., and T., assignors.)
Sun Oil Company. (See Pew, A. E., jr., and Thomas, assignors.)
Sun Oil Company. (See Thomas, Henry, assignor.)
Sun Rubber Company, The. (See Lower, Melvin S., assignor.)
Sun Shipbuilding and Dry Dock Company. (See Pew, John G., assignor.)
Supan, Milton C., Mineral, Calif. Jack. 1,807,351; May 26.
Superb Bronze & Iron Co. (See Stiglitz, Ira, assignor.)
Super Cement Co., The. (See Reed-Lewis, Ellis W., assignor.)
Super-Diesel Tractor Corporation. (See Scott, Philip L., assignor.)
Superheater Company, The. (See Armacost, Wilbur H., assignor.)
Superheater Company, The. (See Barnes, John A., assignor.)
Superheater Company, The. (See Broido, Benjamin N., assignor.)
Superheater Company, The. (See Frank, Herbert, assignor.)
Superheater Company, The. (See Gordon, Charles W., assignor.)
Superheater Company, The. (See Griffin, Joseph F., assignor.)
Superheater Company, The. (See Griffin, J. F., and Williams, assignors.)
Superheater Company, The. (See Hard, Malcolm, assignor.)
Superheater Company, The. (See Hardy, Charles R., assignor.)
Superheater Company, The. (See Harris, Reginald M., assignor.)
Superheater Company, The. (See Hartmann, Otto H., assignor.)
Superheater Company, The. (See Jorgensen, Svend M., assignor.)
Superheater Company, The. (See Kavanagh, James F., assignor.)
Superheater Company, The. (See Margis, A., and Huet, assignors.)
Superheater Company, The. (See Oatley, Henry B., assignor.)
Superheater Company, The. (See Thompson, Robert P., assignor.)
Superheater Company, The. (See Volland, Karl, assignor.)
Superheater Company, The. (See Wigren, Clarence F., assignor.)
Superior Engineering Company. (See Whelan, F. J., and Dwyer, assignors.)
Superior Floor Surfacing Machine Corporation. (See Jacobson, G., and Ericson, assignors.)
Superior Metal Products Company. (See Demers, Isaïe J. B., assignor.)
Superior Paper Products Company. (See Beaman, George B., assignor.)
Superior Piston Ring Company. (See Hellman, Ernest R., assignor.)
Superior Products Corporation. (See Kline, M., and Kaplan, assignors.)
Superior Regulator Co. (See Smith, Jay H., assignor.)
Superior Switchboard & Devices Company, The. (See Grace, Richard W., assignor.)
Superior Universal Products Company, The. (See Place, Alfred W., assignor.)
Super Mold Corporation. (See Woock, Herbert J., assignor.)
Super Radiator Corporation. (See Benson, Merrill L., assignor.)
Super Stropper Manufacturing Company. (See Luebben, Melchior L., assignor.)
Supertile Machinery Corporation. (See Flam, Stephen, assignor.)
Suppes, Max M., assignor to The Fox Furnace Company, Elyria, Ohio. Heating apparatus. 1,802,095; Apr. 21.
Suppes, Max M., assignor to The Fox Furnace Company, Elyria, Ohio. Hinge. 1,807,675; June 2.
Suppiger, Gerhart S., and H. G. Wegener, Collinsville, Ill. Apparatus for dispensing flavoring tablets. 1,824,695; Sept. 22.
Supplee, Anna C., Los Angeles, Calif. Animal toilet. 1,813,329; July 7.
Supplee, George C., Bainbridge, assignor, by mesne assignments, to The Borden Company, New York, N. Y. Irradiating milk solids with ultra-violet rays and the product of such method. 1,817,936; Aug. 11.
Supreme Council Order of the Amaranth. (See Jaeger, William, assignor.)
Supreme Instruments Corporation. (See Johnson, Vivion A., assignor.)
Surber, Heinrick. (See Danthine, Karl, assignor.)
Surdock, Anthony, North Arlington, N. J. Manicure set. 1,831,327; Nov. 10.
Surdykowski, Charles J. (See Turner, E. A., and Surdykowski.)
Surdykowski, Charles J., Tuckahoe, N. Y., assignor to The Standard Stoker Company, Incorporated. Stoker conveyer. 1,814,645; July 14.
Surdykowski, Charles J., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive furnace. 1,825,135; Sept. 29.
Sure-Shift Transmission Corporation. (See Murray, Howard J., assignor.)
Surface, Carl F., Des Moines, Iowa. Carbon remover and eliminator. 1,822,829; Sept. 8.
Surface Combustion Co., The. (See Cowan, Roysel J., assignor.)
Surface Combustion Co., The. (See Hepburn, William M., assignor.)
Surface Combustion Company. (See Mantle, G. D., and Munford, assignors.)
Surface Combustion Co., The. (See Moser, Jesse R., assignor.)
Surface Combustion Co., Incorporated, The. (See Cochran, Ralf S., assignor.)
Surface Combustion Corporation. (See Barber, H. B., and Hepburn, assignors.)
Surface Combustion Corporation. (See Beam, Vilynn O., assignor.)
Surface Combustion Corporation. (See Branche, Nelson T., assignor.)
Surface Combustion Corporation. (See Branche, N. T., and Beam, assignors.)
Surface Combustion Corporation. (See Buschow, Edward G., assignor.)
Surface Combustion Corporation. (See Cochran, R. S., and Larsen, assignors.)
Surface Combustion Corporation. (See Cowan, R. J., and McDoy, assignors.)
Surface Combustion Corporation. (See de Coriolis, Ernest G., assignor.)
Surface Combustion Corporation. (See de Coriolis, E. G., Moser, and Larsen, assignors.)
Surface Combustion Corporation. (See Evans, J. D., McVey, and McAllister, assignors.)
Surface Combustion Corporation. (See Hepburn, William M., assignor.)
Surface Combustion Corporation, The. (See Heyn, H. M., and Trembly, assignors.)
Surface Combustion Corporation. (See Klees, A. L., and Greenfield, assignors.)

Surface Combustion Corporation. (See Larsen, Arnold L., assignor.)
Surwald, Alfred D., Los Angeles, Calif. Shackle release for vehicles. 1,799,396; Apr. 7.
Susquehanna Silk Mills. (See More, Raulston H., assignor.)
Sussams, George W., Hatfield Park, England. Golf-club head. Des. 83,077; Jan. 13.
Sussmith, John J., Fort Lee, N. J. Machine for and method of sizing textiles. 1,822,425; Sept. 8.
Sutcliffe, Adam, Company, The. (See Spinney, Edmund S., assignor.)
Sutcliffe, Arthur G., assignor to Ilg Electric Ventilating Company, Chicago, Ill. Portable ventilating outfit. 1,798,282; Mar. 31.
Sutcliffe, Arthur G., assignor to Ilg Electric Ventilating Company, Chicago, Ill. Portable ventilating outfit. 1,812,124; June 30.
Sutcliffe, Arthur G., assignor to Ilg Electric Ventilating Company, Chicago, Ill. Self cooled electric motor. 1,816,920; Aug. 4.
Sutcliffe, Edgar R., Leigh, England. Apparatus for the distillation of solid carbonaceous substances. 1,813,826; July 7.
Sutcliffe, Edwin A., Oak Park, assignor to Victor Manufacturing & Gasket Co., Chicago, Ill. Tag holder. 1,818,019; Aug. 11.
Sutcliffe, Edwin A., Oak Park, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,835,356; Dec. 8.
Suter, Philipp, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Rotary electric machine having ventilation features. 1,820,404; Aug. 25.
Suter, Philipp, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Protective device for multiphase motors. 1,822,713; Sept. 8.
Suter, Philipp, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Rotary fan. 1,827,770; Oct. 20.
Suter, Philipp, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Ventilating means for electrical machines. 1,835,248; Dec. 8.
Sutermeister, Edwin, and J. A. Warren, Westbrook, Me., assignors to S. D. Warren Company, Boston, Mass. Paper manufacture. 1,838,969; Dec. 29.
Sutherland, Daniel M., jr., Morrisville, Pa. Fiber board and its manufacture. 1,790,178; Jan. 27.
Sutherland, Daniel M., jr., Morrisville, Pa. Sheet transfer mechanism. 1,801,822; Apr. 21.
Sutherland, John D., Ormond, Victor, Australia. Starting switch for automobiles. 1,799,873; Apr. 7.
Sutherland, Robert F. (See Hooper, C. L. and Sutherland.)
Sutherland, Roland E. (See Dyer, E., and Sutherland.)
Sutherland, Thomas G., Chicago, Ill. Railing fittings. 1,818,172; Aug. 11.
Sutherland, William A., Los Angeles, Calif. Roofing tile. 1,814,532; July 14.
Sutherlin, Lee, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Filament support. 1,829,423; Oct. 27.
Sutherlin, Lee, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Hot cathode electron discharge tube. 1,829,460; Oct. 27.
Sutliff, James T., assignor to Mueller Co., Decatur, Ill. Meter hanger. 1,801,376; Apr. 21.
Sutliff, James T., assignor to Mueller Co., Decatur, Ill. Meter connection and support. 1,801,377; Apr. 21.
Sutliff, James T., assignor to Mueller Co., Decatur, Ill. Meter connection and support. 1,813,643; July 7.
Sutliff, James T., assignor to Mueller Co., Decatur, Ill. Meter connection and support. 1,813,644; July 7.
Sutphen, Robert M. (See Booraem, J. F., and Sutphen.)
Sutphen, Robert M., Newark, N. J. Surface tile for a wall-cap course. Des. 83,766; Mar. 24.
Sutter, John H., Chicago, and G. L. Cadenhead, Evanston, Ill. Radiator mounting. 1,796,273; Mar. 10.
Sutlin, Frank, Los Angeles, Calif. Bracelet buckle. 1,838,590; Dec. 29.
Sutton, Adonijah H. (See Sutton, Gus H., assignor.)
Sutton Engineering Company. (See Wise, George A., assignor.)
Sutton, Ernest S., Detroit, Mich., assignor to Dri-Kold Manufacturing Company, Birmingham, Ala. Combined receiver and holder. 1,838,163; Dec. 29.
Sutton, Frank M., San Francisco, Calif. Concrete form. 1,807,943; June 2.
Sutton, Frank W., Okmulgee, Okla. Sucker rod guide. 1,801,294; Apr. 21.
Sutton, Gerald J. (See Hamilton, M., and Sutton.)
Sutton, Grover C., and P. H. Witschge, assignors to General Machinery Company, Spokane, Wash. Speed-reduction mechanism. 1,788,602; Jan. 13.
Sutton, Gus H., assignor of one-half to A. H. Sutton, Independence, Kans. Air pressure indicator for automobile tires. 1,833,446; Nov. 24.
Sutton, James L., Los Gatos, Calif. Building block. 1,836,408; Dec. 15.
Sutton, Pearl C. (See Merz, John M., assignor.)
Sutton, Roy C., jr., assignor to Carman & Co., Inc., New York, N. Y. Protector for the collars of shirts. 1,788,444; Jan. 13.
Sutton, Walter J., San Francisco, Calif. Receiver sight for army rifles. 1,809,257; June 9.
Svade, Eric, Portland, Oreg. Hose reel. 1,812,065; June 30.
Svendsen, Robert T., and D. G. Chandler, Minneapolis, Minn. Propeller mounting. 1,832,061; Nov. 17.
Svenska Ackumulator Aktiebolaget jungner. (See Lundborg, Bror H., assignor.)
Svenska Aktiebolaget Bromsregulator. (See Browall, Bert H., assignor.)
Svenska Aktiebolaget Gasaccumulator. (See Johanson, Georg K. V., assignor.)
Svenska Aktiebolaget Gasaccumulator. (See Rohrschneider, Max, assignor.)
Svenska Aktiebolaget Gasaccumulator. (See Scheer, Johan G., assignor.)
Svenska Jastfabriks Aktiebolaget. (See Swärd, Herbert A. L. and A. G. H., assignors.)
Svenson, Ernest J., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Carriage-feed mechanism. 1,797,216; Mar. 17.
Svenson, Ernest J., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Feed mechanism for lathes. 1,797,704; Mar. 24.
Svenson, Ernest J., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Machine tool. 1,797,705; Mar. 24.
Svenson, Ernest J., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Tailstock. 1,821,331; Sept. 1.
Svenson, Ernest J., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Chuck. 1,829,619; Oct. 27.
Svenson, Ernest J., assignor to Sundstrand Machine Tool Company, Rockford, Ill. Machine tool. 1,838,119; Dec. 29.
Svenson, Sven, Fond du Lac, Wis. Starting and stopping device for airplanes. 1,795,906; Mar. 10.
Svihla, Henry, Chicago, Ill. Automobile cover. 1,804,131; May 5.
Svoboda, Frank R., Cleveland, Ohio. Display apparatus. 1,797,534; Mar. 24.
Swaim, John E., Chicago, Ill., and F. Lane, Mount Pleasant, Iowa. Emasculatome. 1,838,012; Dec. 22.
Swain, Joseph G., assignor to The Firestone Steel Products Company, Akron, Ohio. Dual wire wheel. 1,824,752; Sept. 22.
Swain, Joseph G., assignor to The Firestone Steel Products Company, Akron, Ohio. Dual wheel and demountable rim. 1,828,162; Oct. 20.
Swain, Martin S. (See Bryant, L. N., East, and Swain.)
Swain, Rodney L., and W. A. Moore, Tulsa, Okla. Golf-game apparatus. 1,799,263; Apr. 7.
Swain, Roy E., Charleroi, Pa. Delivering glass. 1,788,037; Jan. 6.
Swallen, Lloyd C., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Hydrogenation of crotonaldehyde. 1,788,896; Jan. 13.
Swallen, Lloyd C., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Hydrogenation of crotonaldehyde. 1,823,865; Sept. 15.
Swallen, Lloyd C., and W. J. Bannister, assignors to Commercial Solvent Corporation, Terre Haute, Ind. Chemical compound and making the same. 1,835,915; Dec. 8.
Swallow, Stuart H., assignor to W. H. Coe Manufacturing Company, Providence, R. I. Metallic leaf applying device. 1,809,875; June 16.
Swan, Alfred H., Los Angeles, Calif. Fountain pen. 1,822,789; Sept. 8.
Swan, Arthur E., New York, N. Y. Razor blade. 1,802,289; Apr. 21.
Swan, Arthur F. (See Mitchell, M. E., and Swan.)
Swan, Carl W., assignor to Teletype Corporation, Chicago, Ill. Selecting apparatus. 1,821,124; Sept. 1.
Swan, Fred, Wichita, assignor to The Bridgeport Machine Company, Wichita, Kans. Tool dressing form. 1,812,025; June 30.
Swan, Fred, assignor to The Bridgeport Machine Company, Wichita, Kans. Underreamer. 1,815,937; July 28.
Swan, Harry New York, N. Y. Razor blade. 1,798,283; Mar. 31.
Swan, Harry B., assignor to General Motors Corporation, Detroit, Mich. Molding machine. 1,820,405; Aug. 25.
Swan, James M., assignor to Sentinal Printing Company, Indianapolis, Ind. Combination display and information book. 1,828,084; Oct. 20.
Swan, John C., Marietta, Ohio. Apparatus for condensing hydrocarbon vapors and the like. 1,829,424; Oct. 27.
Swan Metallic Seal & Cap Company. (See Tevander, Swan N., assignor.)
Swanberg, Swan T., Denver, Colo. Double-action noiseless float valve. 1,787,601; Jan. 6.
Swanjord, Knute, assignor of one-fourth to E. H. Erickson, one-fourth to O. A. Erickson, and one-fourth to I. Hensted, all of Balaton, Minn. Halter. 1,804,655; May 12.
Swank, George G., Crawfordsville, Ind. Wire transfer apparatus. 1,825,214; Sept. 29.
Swank, George G., Crawfordsville, Ind. Continuous wire supply system. 1,830,449; Nov. 3.
Swank, Lewis R., Lewiston, Idaho. Vending machine. 1,832,264; Nov. 17.
Swanlund, John S., Rockford, Ill. Rural mail box. 1,817,718; Aug. 4.
Swann, Henry O., Hattiesburg, Miss. Guard for adzes. 1,809,319; June 9.
Swann Research, Inc. (See Carothers, J. N., and Logue, assignors.)
Swann Research, Inc. (See Davis, T. L., and Huntress, assignors.)

Swann Research, Inc. (See Jenkins, R. L., and Norris, assignors.)
Swann Research, Incorporated. (See Jenkins, R. L., and Hardy, assignors.)
Swann Research, Inc. (See Jenkins, R. L., Karrh, and McCullough, assignors.)
Swann Research, Inc. (See Klugh, B. G., and Seyfried, assignors.)
Swann Research, Inc. (See McCullough, C. R., and Jenkins, assignors.)
Swann, Robert, Murray, Ky. Bait-set trap. 1,795,806; Mar. 10.
Swann, William F. G., Swarthmore, Pa. Mercury spark gap. 1,834,809; Dec. 1.
Swansen, Frederick M., assignor of one-half to Ellefsen, Chicago, Ill. Automobile equalizer. 1,838,591; Dec. 29.
Swanski, Joseph, Worcester, Mass. Door aligning and cushioning device. 1,829,462; Oct. 27.
Swanson, Albert M., Colton, Calif. Halving and pitting device. 1,807,713; June 2.
Swanson, Andrew W., assignor to Illinois Tool Works, Chicago, Ill. Work holding vise. 1,801,648; Apr. 21.
Swanson, Carl O., Minneapolis, Minn. Electric cleaner for dust mops. 1,799,833; Apr. 7.
Swanson, Charles A., assignor to The Whitaker Manufacturing Company, Chicago, Ill. Bracket for grain lifters. 1,834,008; Dec. 1.
Swanson, Charles W., assignor to John Morrell & Company, Ottumwa, Iowa. Bacon-skinning machine. 1,791,067; Feb. 3.
Swanson, Earl C., assignor to Andersen Frame Corporation, Bayport, Minn. Window and door frame. 1,789,345; Jan. 20.
Swanson, Earl R., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car roof. 1,803,442; May 5.
Swanson, Earl R., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Railway car. 1,810,444; June 16.
Swanson, Earl R., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Railway car. 1,810,445; June 16.
Swanson, Earl R., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Railway car. 1,810,446; June 16.
Swanson, Earl R., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Railway car. 1,810,447; June 16.
Swanson, Earl R., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Railway car. 1,810,448; June 16.
Swanson, Earl R., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Railway car. 1,829,164; Oct. 27.
Swanson, Earl R., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Railway car. 1,829,165; Oct. 27.
Swanson, Earl R., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Railway car. 1,829,166; Oct. 27.
Swanson, Earl R., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Railway car. 1,829,167; Oct. 27.
Swanson, Edwin C. (See Abramson, J. H., and Swanson.)
Swanson, Edwin C., assignor to Greenlee Bros. & Co., Rockford, Ill. Circle hole cutter. 1,809,993; June 16.
Swanson, Edwin C., assignor to Greenlee Bros. & Co., Rockford, Ill. Hole cutter. 1,823,218; Sept. 15.
Swanson, Elmer C., Larchwood, Iowa. Buckle. 1,814,978; July 14.
Swanson, Elmer J. S., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,795,522; Mar. 10.
Swanson, Elmer J. S., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,796,061; Mar. 10.
Swanson, Elmer J. S., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,796,062; Mar. 10.
Swanson, Elmer J. S., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,796,063; Mar. 10.
Swanson, Elmer J. S., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,796,064; Mar. 10.
Swanson, Elmer J. S., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,796,129; Mar. 10.
Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,801,378; Apr. 21.
Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Traverse-mechanism for winding machines. 1,812,382; June 30.
Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,826,265; Oct. 6.
Swanson, Frank H., Chicago, Ill., assignor to A. J. Nystrom & Co. Apparatus for map display and preservation. 1,823,996; Sept. 22.
Swanson, Hjalmar, assignor to Cummins Perforator Company, Chicago, Ill. Check marking device. 1,812,997; July 7.
Swanson, Hugo R. (See Van Rensselaer, K. M., and Swanson.)
Swanson, Peter, Ely, Minn. Switch stand lock. 1,812,179; June 30.
Swanson, Peter, Ely, Minn. Railroad switch stand dog. 1,835,442; Dec. 8.
Swanson, Reinhold J., Chicago, Ill. Wrist compact. Des. 85,403; Oct. 20.
Swanson, Selviyor A., Chicago, Ill. Musical instrument. 1,822,941; Sept. 15.
Swanson, Walter H., Menasha, and L. Lang, Kimberly, assignors to Paper Patents Company, Neenah, Wis. Digester system. 1,831,206; Nov. 10.
Swanstrom, Frances E., Duluth, Minn. Garment fastener. 1,822,912; Sept. 15.
Swärd, Anton G. H. (See Swärd, Herbert A. L. and A. G. H.)
Sward, Delbert. (See Firestone, V. S., and Sward.)
Swärd, Herbert A. L. and A. G. H., Nassjo, assignors to Svenska Jastfabriks Aktiebolaget, Stockholm, Sweden. Machine for automatically forming and dividing plastic masses. 1,814,496; July 14.
Swarthout, David S., and P. H. Smyth, jr., Evanston, Ill. Automatic phonographic apparatus. 1,832,797; Nov. 17.
Swartley, Harry M., Roxborough, Pa. Weighing device for vehicles. 1,803,041; Apr. 28.
Swartout, Ross E., Los Angeles, Calif. Automobile storage apparatus. 1,829,023; Oct. 27.
Swartwout Company, The. (See Barrett, Joseph M., assignor.)
Swartwout Company, The. (See Mastenbrook, Henry J., assignor.)
Swartwout Company, The. (See Warner, Loring V., assignor.)
Swartwout, Everett W., White Plains, N. Y. Compressor and pump. 1,803,660; May 5.
Swartwout, Everett W., White Plains, N. Y. Rotary blower and pump. 1,818,767; Aug. 11.
Swartwout, Everett W., White Plains, N. Y. Rotary blower, pump and meter. 1,818,768; Aug. 11.
Swartz, Abraham W. (See Berger, E. J., and Swartz.)
Swartz, Carl H., assignor to Stover Manufacturing & Engine Co., Freeport, Ill. Cylinder sleeve and producing the same. 1,814,267; July 14.
Swartz, Edward L., Mirando City, Tex. Trailer hitch. 1,838,238; Dec. 29.
Swartz, Elizabeth M., Norfolk, Va. Child's clothes supporter. 1,807,452; May 26.
Swartz, George, Albany, assignor of one-half to C. H. Andros, Nassau, N. Y. Process and apparatus for preparing charges for power devices. 1,805,644; May 19.
Swartz, Guy E., Detroit, Mich. Jig. 1,833,695; Nov. 24.
Swartz, Leslie L. (See Doran, J. H., and Swartz.)
Swartz, Stanley H. (See Doran, J. H., and Swartz.)
Swartz, Torrence A., and W. P. Uhler, Tottenville, N. Y., assignors to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Variable resistance unit. 1,807,806; June 2.
Swartzbaugh Manufacturing Company, The. (See Barnes, William A., assignor.)
Swartzbaugh Manufacturing Company, The. (See Knaggs, Joseph, assignor.)
Swarzman, Roy L., et al. (See Johnson, Bert E., assignor.)
Swayne, Loren I., Denver, Colo. Runway jack. 1,822,325; Sept. 8.
Swearingen, Alfred R., assignor of one-eighth to H. M. Reardon, and one-fourth to Albert Quadow, Miami, Fla. Tailpiece retaining means. 1,803,661; May 5.
Swearingen, Clair V., Chattanooga, Tenn. Treating bathing pools with chlorine. 1,813,827; July 7.
Swearingen, Donald L., Parkersburg, assignor of one-sixth to G. V. McFadden, Wheeling, W. Va. Vending machine. 1,831,429; Nov. 10.
Swearingen, Herman G., assignor of one-fourth to H. R. Popejoy and one-fourth to J. R. Popejoy, California, Mo. Artificial bait. 1,812,906; July 7.
Swearington, Frank W., Greensboro, N. C., assignor to Draper Corporation, Hopedale, Mass. Mat-up-removing mechanism for looms. 1,795,744; Mar. 10.
Swedish American Prospecting Corporation. (See Zuschlag, Theodor, assignor.)
Swedman, Enoch, assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator closure. 1,809,150; June 9.
Sweeley, Edward A., Alexandria, Va., and N. T. Anderson, Washington, D. C. Metal hatchway frame and cover. Re17,939; Jan. 27.
Sweeley, Edward A., Alexandria, Va., and N. T. Anderson, Washington, D. C. Refrigerator car door. 1,832,592; Nov. 17.
Sweeney, Clifton E., Indianapolis, Ind. Riveting iron. 1,803,368; May 5.
Sweeney, Dennis, Farmingdale, N. Y. Ornamental chain. 1,797,968; Mar. 24.
Sweeney, Joseph H., Nashville, Tenn. Body headrest for undertakers' use. 1,815,171; July 21.
Sweeney, Joseph L., Jackson Heights, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,793,291; Feb. 17.
Sweeney, Katherine M., Dallas, Tex. Shirt. 1,799,573; Apr. 7.
Sweeney, Orland R., assignor to Iowa State College of Agriculture and Mechanic Arts, Ames, Iowa. Moldable phenolic pentosan material. 1,797,559; Mar. 24.
Sweeney, Orland R., assignor to Iowa State College of Agriculture and Mechanic Arts, Ames, Iowa. Moldable phenolic pentosan material. 1,797,593; Mar. 24.
Sweeney, Orland R., assignor to Iowa State College of Agricultural and Mechanical Arts, Ames, Iowa. Process relating to the production of synthetic lumber from cornstalks. 1,803,737; May 5.

Sweeney, Orland R., assignor to Iowa State College of Agricultural and Mechanical Arts, Ames, Iowa. Machine for producing insulating lumber. 1,814,268; July 14.
Sweeney, Stephen, Ladywood, Birmingham, England. Device for reaffixing closure caps to bottles and the like. 1,797,106; Mar. 17.
Sweeny, Carey P., College Station, Tex. Retarded circuit breaker. 1,818,873; Aug. 11.
Sweeper-Vac Company, The. (See Wright, Henry H., assignor.)
Sweet, Bertram R., assignor to Whitin Machine Works, Whitinsville, Mass. Spindle. 1,803,151; Apr. 28.
Sweet, Cecil H., Brea, and E. F. Cooper, Long Beach, Calif. Bridging plugs for oil wells. 1,809,080; June 9.
Sweet, Charles M. (See Geyer, R. M., and Sweet.)
Sweet, Donald H., Evanston, Ill. Shock absorber. 1,787,602; Jan. 6.
Sweet & Doyle Foundry & Machine Co. (See Erickson, John, assignor.)
Sweet, Henry N., Boston, Mass. Insect exterminator. 1,807,076; May 26.
Sweetland, Ernest J., Hazleton, Pa. Lubricating system for internal-combustion engines. 1,787,961; Jan. 6.
Sweetland, Ernest J., Hazleton, Pa. Filter and means for supporting same. 1,791,046; Feb. 3.
Sweetland, Ernest J., Hazelton, Pa. Method and apparatus for rapidly draining crank case oil. 1,815,221; July 21.
Sweetland, Ernest J., Hazleton, Pa. Replaceable element filter. 1,825,983; Oct. 6.
Sweetland, Ernest J., Hazleton, Pa., assignor, by mesne assignments, to Oliver United Filters Inc., San Francisco, Calif. Submerged drum filter. 1,796,491; Mar. 17.
Sweetland, Ernest J., J. V. Zenthoefer, and J. T. Hoyt, Hazleton, Pa., assignors, by mesne assignments, to Oliver United Filters Inc., San Francisco, Calif. Submerged continuous filter. 1,796,492; Mar. 17.
Sweetland, William H., San Diego, Calif. Cooling apparatus. 1,829,072; Oct. 27.
Sweetser, George, assignor to The Mentmore Manufacturing Company, Limited, London, England. Self-filling sack pen. 1,798,046; Mar. 24.
Swenarton, Waitstill H. (See Greene, E., and Swenarton.)
Swendeman, Joseph E., Boston, assignor, by mesne assignments, to The Leavitt Machine Company, Orange, Mass. Removal of moisture from compressed air. 1,828,626; Oct. 20.
Swendsen, Johan W., Oslo, Norway. Core for electric transformers. 1,797,807; Mar. 24.
Swendsen, Johan W., Oslo, Norway. Induction motor. 1,829,686; Oct. 27.
Swendsen, Swen D., Hayward, Calif. Sanitary fowl feeder. 1,831,828; Nov. 17.
Swensen, Sigurd M., Minneapolis, Minn. Mechanical vibrator. 1,825,430; Sept. 29.
Swenson, Carl O., assignor to Union Battery Company, Chicago, Ill. Plate feeding and punching means. 1,787,458; Jan. 6.
Swenson, Carl T., assignor to Milwaukee Saddlery Company, Milwaukee, Wis. Knee protector. 1,792,048; Feb. 10.
Swenson Evaporator Company. (See Badger, Walter L., assignor.)
Swenson, Gordon C. (See Swenson, Wilhelm and G. C.)
Swenson, John F., Duluth, Minn. Fence-post clamp. 1,791,692; Feb. 10.
Swenson, Wilhelm, and G. C. Swenson, Erie, Pa. Display device. 1,827,493; Oct. 13.
Swerdloff, Harry. (See Stockman, J. A., and Swerdloff.)
Swett, Arthur H., Chicago, Ill. Tag structure. 1,831,207; Nov. 10.
Swett, Caswell D., Redwood City, Calif. Chemical sprayer. 1,831,979; Nov. 17.
Swett, Charles E., Boston, assignor, by mesne assignments, to Beckwith Manufacturing Company, Boston, Mass. Shoe stiffener and making same. 1,831,689; Nov. 10.
Swezey, William F., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Refrigerating apparatus. 1,789,913; Jan. 20.
Swezey, William F., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Refrigerating apparatus. 1,825,291; Sept. 29.
Swick, Seward E., Syracuse, N. Y. Recording device. 1,832,918; Nov. 24.
Swift & Company. (See Agar, John C., assignor.)
Swift and Company. (See Bellinghausen, Walter, assignor.)
Swift & Company. (See Caster, C. O., and Spitzenberger, assignors.)
Swift and Company. (See Clark, James H., assignor.)
Swift & Company. (See Covey, John E., assignor.)
Swift & Company. (See Dudycha, Harold E., assignor.)
Swift & Company. (See Dziedzic, M., and Covey, assignors.)
Swift and Company. (See Mayhew, George E., assignor.)
Swift & Company. (See McKee, Harry H., assignor.)
Swift and Company. (See McKee, H. H., and Schuler, assignors.)
Swift and Company. (See Morrison, George, assignor.)
Swift & Company. (See Parsons, Clinton H., assignor.)
Swift & Co. (See Riha, Henry J., assignor.)
Swift, George W., jr., assignor to G. W. Swift, Jr., Inc., Bordentown, N. J. Web-feeding mechanism. 1,790,559; Jan. 27.
Swift, George W., jr., assignor to G. W. Swift, Jr., Inc., Bordentown, N. J. Blank slitting and slotting machine. 1,814,867; July 14.
Swift, George W., jr., assignor to George W. Swift, jr., Inc., Bordentown, N. J. Blank creasing device. 1,828,234; Oct. 20.
Swift, George W., jr., assignor to George W. Swift, jr., Inc., Bordentown, N. J. Cushioning pad. 1,830,491; Nov. 3.
Swift, George W., jr., assignor to George W. Swift, jr., Inc., Bordentown, N. J. Ventilated cushion packing. 1,830,492; Nov. 3.
Swith, George W., jr., assignor to George W. Swift, jr., Inc., Bordentown, N. J. Machine for making composite boards. 1,837,841; Dec. 22.
Swift, George W., jr., inc. (See Swift, George W., jr., assignor.)
Swift, James R., Highland, N. Y. Wave operated pump. 1,804,656; May 12.
Swift, Justin R., Chicago, Ill. Gang saw. 1,815,222; July 21.
Swift, William E., assignor of one-third to C. E. Paulding and one-third to J. E. La Barge, Gary, Ind. Grave marker. Des. 85,674; Dec. 1.
Swifton Manufacturing Company. (See Stresau, Richard, assignor.)
Swigart, Philip J., Akron, Ohio. Device for holding and applying twine. 1,809,607; June 9.
Swigert, Clyde, assignor, by mesne assignments, to St. Joseph Iron Works, St. Joseph, Mich. Apparatus for making baskets or other receptacles. 1,828,911; Oct. 27.
Swindell-Dressler Corporation. (See Dressler, Philip d'H. assignor.)
Swindell-Dressler Corporation. (See Meehan, Paul A., assignor.)
Swindell-Dressler Corporation. (See Talbot, Thomas, assignor.)
Swindell, William & Brothers. (See Brooke, Frank W., assignor.)
Swindle, John A., Maywood, Calif. Orifice fitting. 1,813,100; July 7.
Swindle, Solomon C., Athens, Ga. Automobile greasing rack. 1,833,979; Dec. 1.
Swinford, Levi, Comanche, Okla. Well tube cleaner. 1,810,260; June 16.
Swingle, Archibald, Roundup, Mont. Internal combustion engine. 1,804,521; May 12.
Swinglehurst, Harry, Orange, N. J., assignor to Scott and Williams, Inc., New York, N. Y. Dial and cylinder interlocking mechanism. 1,797,163; Mar. 17.
Swinglehurst, Harry, Orange, N. J., assignor to Scott & Williams, Inc., New York, N. Y. Circular knitting machine. 1,809,762; June 9.
Swinscoe, John, Dayton, Ohio, H. A. Johnson and C. E. Watson, Syracuse, N. Y., assignors to General Motors Corporation, Detroit, Mich. Bearing or carrier mounting. 1,797,736; Mar. 24.
Swiss Borwisk Company. (See Borzykowski, Benno, assignor.)
Swiss Locomotive and Machine Works. (See Büchi, Alfred, assignor.)
Switzer, Floyd R., Birmingham, Ala., assignor to The Ribbonew Company. Typewriter ribbon rejuvenator. 1,820,583; Aug. 25.
Switzer, Frank, Inglewood, Calif. Casing ripper. 1,179,993; Jan. 27.
Switzer, Jesse M., et al. (See Hott, Ion V. K., assignor.)
Switzler, Bruce E., Santa Ana, assignor to W. O. Thompson, Pasadena, Calif. Combined memorandum and filing device. 1,830,774; Nov. 10.
Swoboda, H. O., Inc. (See Swoboda, H. O., and Metzger, assignors.)
Swoboda, Hans O., Edgewood Borough, Allegheny County, and W. F. Metzger, assignors to H. O. Swoboda, Inc., Pittsburgh, Pa. Electrically-heated container. 1,787,801; Jan. 6.
Swole, Paul C. (See Kelsey, Frank N., assignor.)
Sword, Ora M., Stonega, Va. Toy gun. 1,837,734; Dec. 22.
Swords, Michael D., Chicago, Ill., assignor to General Chemical Company, New York, N. Y. Apparatus for discharging salt cake from Mannheim furnace. 1,807,807; June 2.
Swoyer, Fred, Silver Grove, and T. J. Bryant, Covington, Ky. Nail and spike extractor. 1,835,443; Dec. 8.
Sydnor, Harold, Elzabeth N. J. assignor to Standard Oil Development Company. Process of pyrogenetic decomposition of oils and apparatus therefor. 1,809,185; June 9.
Syhre, Alfred, assignor to Krausewerk Aktiengesellschaft, Leipzig, Germany. Apparatus for copying on light-sensitive surfaces. 1,795,185; Mar. 3.
Sykes, George A., Weehawken, N. J. Seal for vacuum jars. 1,790,957; Feb. 3.
Sykes, John E., Harehills, Leeds, England. Exhaust silencer. 1,804,070; May 5.
Sykes, Wilfred, Chicago, Ill. Regenerative-furnace-controlling apparatus. 1,825,372; Sept. 29.
Sykes, William, Rockford, Ill. Automatic door opener. 1,822,326; Sept. 8.
Sykes, William E., Buffalo, N. Y. Machine for cutting gear teeth. 1,814,348; July 14.

Sylvester, George R., assignor to The Harrop Ceramic Service Company, Columbus, Ohio. Apparatus for collecting and conveying materials. 1,826,840; Oct. 13.
Sylvester, Julius, Washington, Pa., assignor to Simplex Engineering Company. Glass feeding apparatus. 1,820,508; Aug. 25.
Sylvester, Julius, assignor to Simplex Engineering Company, Washington, Pa. Lifting device. 1,838,592; Dec. 29.
Sylvester, Pascal, Chicago, Ill. Cementitous flooring. 1,825,023; Sept. 29.
Symank, John H., Austin, Tex. Shock absorber. 1,810,797; June 16.
Symington Company, The. (See Barrows, Donald S., assignor.)
Symington Company, The. (See Couch, Glenn F., assignor.)
Symington Company, The. (See Dunbeck, Joseph R., assignor.)
Symington Company, The. (See Hankins, Cyrus, assignor.)
Symington Company, The. (See Kadel, B. W., and Drenning, assignors.)
Symington Company, The. (See Lake, Albert H., assignor.)
Symington Company, The. (See Martin, Mark H., assignor.)
Symington Company, The. (See Richards, Willard F., assignor.)
Symington, Company, The. (See Townsend, Donald L., assignor.)
Symington, T. H., and Son, Inc. (See Drenning, Percy R., assignor.)
Symington, T. H., and Son, Inc. (See Symington, Thomas H., assignor.)
Symington, Thomas H., assignor, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Bolster. 1,788,130; Jan. 6.
Symington, Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Lateral-motion roller assembly. 1,800,121; Apr. 14.
Symington, Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Lateral Motion mechanism. 1,806,097; May 19.
Symington, Thomas H., assignor, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Spring retaining means. 1,818,362; Aug. 11.
Symington, Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Door securing mechanism. 1,835,100; Dec. 8.
Symington, Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Plank or rail fence construction. 1,838,643; Dec. 29.
Symmes, Whitman, San Francisco, assignor to A. S. Blake, Berkeley, Calif. Lighting fixture. 1,790,179; Jan. 27.
Symmes, Whitman, San Francisco, assignor to Anson S. Blake, Berkeley, Calif. Lighting fixture. 1,793,725; Feb. 24.
Symmonds, Charles J., Washington, D. C. Holder for safety razor blades. 1,823,577; Sept. 15.
Symmonds, Charles J., Washington, D. C. Locking device. 1,826,841; Oct. 13.
Symonds, Cleon W., Pasadena, Calif. Quartz rod for use with ultra-violet lamps. 1,794,557; Mar. 3.
Symonds, Ralph F., Marblehead, assignor to New England Structural Products Co., Everett, Mass. Snowplow. 1,791,942; Feb. 10.
Symonds, Ralph F., Marblehead, assignor to New England Trawler Equipment Co., Everett, Mass. Gallows frame. 1,795,978; Mar. 10.
Symonds, Vivian S., Victoria, British Columbia, Canada. Coal dust screening device. 1,834,658; Dec. 1.
Symonds, William H., Chicago, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Stand pipe connection for buildings. 1,804,714; May 12.
Symons, Arthur H., assignor to Symons Clamp & Mfg. Company, Chicago, Ill. Form clamp. 1,796,771; Mar. 17.
Symons, Arthur H., assignor to Symons Clamp & Mfg. Company, Chicago, Ill. Shore. 1,829,550; Oct. 27.
Symons, Arthur H., River Forest, assignor to Symons Clamp & Mfg. Company, Chicago, Ill. Shore. 1,831,613; Nov. 10.
Symons Clamp & Mfg. Company. (See Symons, Arthur H., assignor.)
Symons, Edgar B., Los Angeles, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Cone crusher. 1,791,584; Feb. 10.
Symons, Edgar B., Los Angeles, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Crushing apparatus. 1,796,413; Mar. 17.
Symons, Edgar B., Hollywood, Calif., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Crushing machine. 1,817,044; Aug. 4.
Symons, Harry L., Wimbledon, assignor to Roads Colloidal, Limited, London, England. Emulsion and process therefor. 1,807,808; June 2.
Symons, Harry L., Wimbledon, London, assignor to Roads Colloidal, Limited, London, England. Apparatus for emulsifying liquids and for other purposes. 1,812,727; June 30.
Symons, Loren G., Hollywood, Calif., assignor to Thomas L. Morris, Van Nuys, Calif. Rotary fluid pump. 1,791,047; Feb. 3.
Synck, Adolph J., assignor to The New Idea Spreader Company, Coldwater, Ohio. Corn picking machine. 1,833,138; Nov. 24.
Synck, Henry, assignor to The New Idea Spreader Company, Coldwater, Ohio. Attachment for manure spreaders. 1,790,730; Feb. 3.
Synck, Henry, assignor to The New Idea Spreader Company, Coldwater, Ohio. Corn lifter attachment for tractors. 1,827,215; Oct. 13.
Synck, Henry, assignor to The New Idea Spreader Company, Coldwater, Ohio. Snapping rolls for corn pickers. 1,827,216; Oct. 13.
Synck, Henry, assignor to The New Idea Spreader Company, Coldwater, Ohio. Plant lifter for corn picking machines. 1,833,137; Nov. 24.
Syndicat "Vaproc". (See Grunpelt, Oskar F. A. E., assignor.)
Synthetic A. G. (See Wild, S., and Hugentobler, assignors.)
Synthetic Plastics Company. (See Ripper, Kurt, assignor.)
Synthetic Plastics Company. (See Spencer, George, assignor.)
Syracuse Chilled Plow Company. (See Johnson, Elmo W., assignor.)
Syracuse Chilled Plow Company. (See Spire, Sheldon S., assignor.)
Syracuse Pulverizer Corporation. (See Briggs, Arthur J., assignor.)
Syracuse Washing Machine Corporation. (See Geldhof, Peter E., assignor.)
Syracuse Washing Machine Corporation. (See Geldhof, P. E., and Ringer, assignors.)
Syracuse Washing Machine Corporation. (See Hill, Hermann, assignor.)
Syracuse Washing Machine Corporation. (See Nelson, J. C., and Geldhof, assignors.)
Syracuse Washing Machine Corporation. (See Nelson, J. C., and Papworth, assignors.)
Syracuse Washing Machine Corporation. (See Scheele, Charles C., assignor.)
Syren, Harold J. (See Skar, J. G. L., and Syren.)
Syren, Victor, Brooklyn, N. Y. Universal necktie press. 1,816,349; July 28.
Syrovy, Augustine J., and R. N. Janeway, Detroit, Mich., assignors, by mesne assignments, to Chrysler Corporation. Crank case ventilator. 1,828,085; Oct. 20.
Systrom, Ernest W. (See Romine, R. T., Warren, and Systrom.)
Sytz, Edward A. (See Rogers, J. R., and Sytz.)
Syverstad, Iver, San Francisco, Calif. Power mechanism. 1,826,534; Oct. 6.
Szabó, Basil V., Bronxville, N. Y. Packingless and seatless valve for faucets. 1,831,046; Nov. 10.
Szabo, Elexis, Cluj, Rumania, assignor of one-half to David Schobel, New York, N. Y. Water vehicle. 1,793,528; Feb. 24.
Szabo, Joseph, Astoria, N. Y. Distance determining instrument. 1,826,582; Oct. 6.
Szamier, Vicenty, Bristol, Conn. Diving apparatus. 1,824,512; Sept. 22.
Szczesny, Frank, and A. Przekop, Norwich, Conn. Picker check for looms. 1,807,018; May 26.
Szechenyi, Joseph, Chicago, Ill. Face plate for an automobile light or lamp. Des. 85,624; Nov. 24.
Szegvári, Andrew. (See Gábor, F., Klein, and Szegvári.)
Szegvari, Andrew. (See Klein, P., and Szegvari.)
Szegvari, Andrew, assignor to American Anode, Inc., Akron, Ohio. Aqueous dispersions of organic substances. 1,822,249; Sept. 8.
Szegvari, Andrew, and C. M. Spencer, assignors, by mesne assignments, to American Anode Inc., Akron, Ohio. Filtering method and apparatus. 1,797,248; Mar. 24.
Szekely, Otto E. (See Johnson, R. H., and Szekely.)
Szekely, Otto E., Holland, Mich. Driving mechanism for combined washers and wringers. 1,809,149; June 9.
Szekely, Otto E., and R. H. Johnson, Holland, Mich. Ironing machine. 1,790,684; Feb. 3.
Szodomka, Julius, New Orleans, La. Cleaning device. 1,796,130; Mar. 10.
Szombathy, Kálmán, Kakospalota, Hungary, assignor of one-third to P. Schmitz and one-third to D. K. Kell, Dortmund, Germany. Gaining pure tarfree sulphur from used gas-purifying mass. 1,815,811; July 21.
Szücs, Josef, Vienna, Austria. Cultivation of edible fungi. 1,832,593; Nov. 17.
T & S Corporation. (See Strid, Sven J., assignor.)
T & S Corporation. (See Taylor, Steadman O., assignor.)
Tabatt, Friebert, Amboy, Minn. End-gate rod for wagon boxes. 1,801,122; Apr. 14.
Tabb, Elizabeth M., Mahwah, N. J. Brassière. 1,812,273; June 30.
Tabb, Warner T., Mahwah, N. J., assignor to Eisemann Magneto Corporation, New York, N. Y. Hydraulic transmission. 1,818,825; Aug. 11.
Tabb, Warner T., Mahwah, N. J., assignor to The Eisemann Magneto Corporation, New York, N. Y. Speed responsive control. 1,818,826; Aug. 11.
Taber, George H., Binghamton, N. Y. Vehicle spring control. 1,800,483; Apr. 14.
Taber, George H., Binghamton, N. Y. Method and machine for testing brakes of vehicles. 1,822,463; Sept. 8.
Taber, George H., Binghamton, N. Y. Motor vehicle. 1,822,464; Sept. 8.

Taber, George H., jr., Rye, assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,805,113; May 12.
Taber, George H., Los Angeles, Calif. Brake release device. 1,812,502; June 30.
Taber, George H., Elmira Heights, N. Y. Power actuated shock absorber. 1,833,238; Nov. 24.
Taber, Ralph F., North Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index strip. 1,801,401; Apr. 21.
Taber, Walter S., Honolulu, Hawaii. Lubricant dispensing device. 1,821,587; Sept. 1.
Tabor, Leroy, Riverton, N. J., and F. R. Wallace, assignors to The Tabor Manufacturing Company, Philadelphia, Pa. Adjustable hinged yoke for squeezing machines. 1,828,882; Oct. 27.
Tabor Manufacturing Company, The. (See Ramsden, John T., assignor.)
Tabor Manufacturing Company, The. (See Tabor, L., and Wallace, assignors.)
Tabor Manufacturing Company, The. (See Wallace, Frank R., assignor.)
Tabulating Machine Company, The. (See Berry, Christian A., assignor.)
Tabulating Machine Company, The. (See Braitmayer, Otto E., assignor.)
Tabulating Machine Company, The. (See Bryce, James W., assignor.)
Tabulating Machine Company, The. (See Bryce, J. W., and Thomas, assignors.)
Tabulating Machine Company, The. (See Campbell, Charles, assignor.)
Tabulating Machine Company, The. (See Carroll, Fred M., assignor.)
Tabulating Machine Company, The. (See Carroll, F. M., and Eaton, assignors.)
Tabulating Machine Company, The. (See Cunningham, James M., assignor.)
Tabulating Machine Company, The. (See Ewald, Bernhard K. F., assignor.)
Tabulating Machine Company, The. (See Ford, Eugene A., assignor.)
Tabulating Machine Company, The. (See Gray, Alvin E., assignor.)
Tabulating Machine Company, The. (See Hollerith, Herman, assignor.)
Tabulating Machine Company, The. (See Lake, Clair D., assignor.)
Tabulating Machine Company, The. (See Lake, C. D., and Page, assignors.)
Tabulating Machine Company, The. (See Maby, Adelbert C., assignor.)
Tabulating Machine Company, The. (See Page, Ralph E., assignor.)
Tabulating Machine Company, The. (See Paul, Gustav H. A., assignor.)
Tabulating Machine Company, The. (See Peirce, John R., assignor.)
Tabulating Machine Company, The. (See Richter, Erich F. W., assignor.)
Tabulating Machine Company, The. (See Röttke, Hermann A. P., assignor.)
Tabulating Machine Company, The. (See Schaaf, John T., assignor.)
Tabulating Machine Company, The. (See Storey, Frederick A., assignor.)
Tabulating Machine Company, The. (See Tripp, Charles A., assignor.)
Tabulating Machine Company, The. (See Watson, Thomas J., assignor.)
Tabulating Machine Company, The. (See Weinlich, Hermann A., assignor.)
Tabulating Machine Co., The. (See Williams, Raymond G., assignor.)
Tabulating Machine Company, The. (See Wright, John E., assignor.)
Tacke, Louis, Brooklyn, N. Y., assignor to H. Schultz & Company, Chicago, Ill. Machine for covering irregularly shaped paper box cover plates and the like. 1,823,632; Sept. 15.
Tacoma Veneer Company. (See Olson, Berndt A., assignor.)
Tactiphone Company, The. (See MacDonald, Joel W., assignor.)
Tacvorian, Hampart, Enghien-les-Bains, France. Wagon-tipping apparatus. 1,801,180; Apr. 14.
Tada, Manabu. (See Omoto, Ryo, assignor.)
Taddeucci, Louis. (See Bianchini, Anthony, assignor.)
Taddiken, John F. (See Hamill, J., Taddiken, and Connon.)
Taddiken, Ulrich A., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Air ejector. 1,804,569; May 12.
Tadgell, George, Tottenham, England. Locking means for stringed instrument tuning pins. 1,825,560; Sept. 29.
Tafel, Theodore, jr., Ben Avon, Pa., assignor to Standard Sanitary Manufacturing Co. Combination sink and convertible dishwasher. 1,804,715; May 12.
Taffel, Sigmund, Brooklyn, N. Y. Bed convertible seating furniture. 1,820,167; Aug. 25.
Tafnir Bearing Company, The. (See Cooper, Elisha H., assignor.)
Tafnir Bearing Company, The. (See Searles, Raymond R., assignor.)
Tafnir Bearing Company, The. (See Smith, John W., assignor.)
Taft, Howard B., Wilkinsburg, assignor of one-half to N. M. Wellman, Pittsburgh, Pa. Making artificial granite. 1,814,012; July 14.
Taft, Patrick M., Holyoke, Mass. Jacket for coverings for steam or other pipes. 1,811,984; June 30.
Taft-Peirce Manufacturing Company, The. (See Miller, Paul V., assignor.)
Taft, Sydney E., Framingham, assignor to Gulliford Wood Heel Company, Lynn, Mass. Cutting tool. 1,829,200; Oct. 27.
Tager, Frank, New York, N. Y. Exchangeable resilient heel. 1,790,332; Jan. 27.
Taggart, Charles R., San Francisco, Calif. Lathe dog. 1,812,180; June 30.
Taggart, Eugene B., Indiana, Pa. Cleaning device. 1,837,299; Dec. 22.
Tagliabue, Charles J., Mfg. Co. (See Bast, Frank J., assignor.)
Tagliabue, Charles J., Mfg. Co. (See Irwin, Lawrence C., assignor.)
Tagliani, Giovanni, assignor to Chemical Works formerly Sandoz, Basel, Switzerland. Preparation of stable anthraquinone vat dyes. 1,803,219; Apr. 28.
Tague, Otto G., assignor to Mather and Company, Chicago, Ill. Poster displaying device. 1,832,265; Nov. 17.
Tahara, Hisakichi, Tokyo, Japan. Movable dam. 1,810,449; June 16.
Taintor, Jessie C., Wichita, Kans. Tongs. Des. 85,789; Dec. 15.
Tait, Francis. (See Tait, William, assignor.)
Tait, Francis, jr. (See Tait, William and F., jr., and Scott.)
Tait, William, Reading, assignor of one-half to F. Tait, West Lawn, Pa. Combined safety guard and anti-skid device. 1,823,070; Sept. 15.
Tait, William and F., jr., and C. A. Scott, assignors, by mesne assignments, to Howard Hosiery Company, Philadelphia, Pa. Attachment for spring-beard-needle knitting machines. 1,789,058; Jan. 13.
Takamatsu, Kiyomoto, Tokyo-Fu, Japan. Coupon cutter. 1,817,428; Aug. 4.
Takamine Ferment Company. (See Takamine, Jokichi, jr., assignor.)
Takamine, Hilda, executrix. (See Takamine, Jokichi, jr.)
Takamine, Jokichi, jr., deceased, Ridgewood, N. J., H. Takamine executrix, assignor to Takamine Ferment Company. Degumming silk. 1,815,279; July 21.
Takechi, Shojiro, Osaka, Japan. Concrete piling. 1,792,333; Feb. 10.
Takemura, Kazuo, Minami-Ku Osaka, assignor of fifty per cent to Kazue Oiwa, Kawabegun Hyogo-ken, Japan. Varnishing preparation. 1,791,879; Feb. 10.
Takenaka, Benjamin K., New Rochelle, N. Y. Post for interchangeable teeth. 1,827,119; Oct. 13.
Takiguchi, Paul, New York, N. Y. Arboreal article. 1,829,687; Oct. 27.
Takimizu, Satoru, Toyotama Gun, Tokyo Fu., and H. Idemitsu, Susaki Fukuoka, Japan. Oil burner. 1,811,371; June 23.
Talabac, Vanghel, Woonsocket, R. I. Display-stand holder. 1,797,884; Mar. 24.
Talbert, Frank D., Los Angeles, Calif. Pin resetting apparatus. 1,826,154; Oct. 6.
Talbirt, John A., assignor to Vann-Moore Mills Company, Franklinton, N. C. Weaving terry fabric and the resulting product. 1,830,892; Nov. 10.
Talbot, Frank A., assignor of forty-four one-hundredths to H. H. Harris, Greenville, S. C., and eleven one-hundredths to G. H. Powell, Washington, D. C. Adjustable combustion chamber control. 1,812,572; June 30.
Talbot, Howard H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Transfer apparatus for strip material. 1,836,690; Dec. 15.
Talbot, Thomas, Sedgley, near Dudley, Worcester, England, assignor, by mesne assignments, to Swindell-Dressler Corporation, Pittsburgh, Pa. Tunnel kiln. 1,804,657; May 12.
Talbott, Walter D., and L. Bannerman, assignor of one-third to F. E. Hummel, Hopewell, Va. Barking apparatus. 1,818,657; Aug. 11.
Talboys, Henry H. (See Buettner, R. W., Erickson, and Talboys.)
Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Adzing machine. 1,820,636; Aug. 25.
Talcott, Morton C., assignor to The Billings & Spencer Company, Hartford, Conn. Board drop hammer. 1,789,568; Jan. 20.
Talent, Harry, Buxton, England. Packing. 1,800,233; Apr. 14.
Taliaferro, Thomas L., assignor to Phoenix-Hermetic Company, Chicago, Ill. Metal jar closure. 1,806,425; May 19.
Taliaferro, William R., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,824,846; Sept. 29.
Taliani, Tommaso, Rome, Italy. Road indicator for motor cars and the like. 1,831,725; Nov. 10.
Talke, Alwin, Breslau, and A. Talke, assignors of one-third to Bertha Talke, Ober-Lauritz, Germany. Counterpoise attachment particularly for cycle-pedals. 1,834,296; Dec. 1.
Talke, Arthur. (See Talke, A. and A.)

Talke, Bertha. (See Talke, A. and A., assignors.)
Talken, George P. (See Talken, Harry A. and G. P.)
Talken, Harry A. and G. P., Chico, Calif. Testing machine. 1,836,628; Dec. 15.
Talley, Thomas L., et al. (See Bouma, Wikke, assignor.)
Tallmadge, Andrew P., assignor of one-third to P. D. Morrison and one-third to J. A. Massie, Washington, D. C. Receptacle holder. 1,789,789; Jan. 20.
Tallman, Allen P. (See Strobel, C. J., and Tallman.)
Tallman, Russell W. (See Andres, Edward M., assignor.)
Tallon, George, Malone, N. Y. Oil pan for internal combustion engines. 1,805,729; May 19.
Tallyn, De Witt E., Benson, Ill. Water circulating and heating system for stock-watering tanks and troughs. 1,792,199; Feb. 10.
Talmadge, Richard E. (See Sperry, R. E., and Talmadge.)
Tama, Cyrano, Eberswalde, assignor to Firm: Hirsch, Kupfer-and Messingwerke, A. G., Finow/Mark, Germany. Melting oxidizable material. 1,827,174; Oct. 13.
Tamarin, Bernard J., Philadelphia, Pa. Vacuum-cleaner casing. Des. 83,767; Mar. 24.
Tamarin, Bernard J., Philadelphia, Pa. Vacuum-cleaner handle. Des. 83,768; Mar. 24.
Tambor, Mike. (See Miner, Charles R., assignor.)
Tamburo, Guiseppe, et al. (See Foti, Charles, assignor.)
Tamburo, Salvatore, et al. (See Foti, Charles, assignor.)
Tamny, Samuel, New York, N. Y. Sanitary cuspidor. 1,825,485; Sept. 29.
Tampke, Hans. (See Schirmacher, K., Schlichenmaier, Kross, Schaich, Tampke, and Neumann.)
Tampkin, Hyman, Brooklyn, N. Y. Wire fabric. Re17,920; Jan. 6.
Tamsett, Joseph. (See Stokes, C. P., and Tamsett.)
Tanasso, Vincent, New York, and J. J. Pomeranz, Brooklyn, N. Y. Bar material for ophthalmic mountings. Des. 84,718; July 21.
Tanasso, Vincent, New York, and J. J. Pomeranz, Brooklyn, N. Y. Box stud for nose bridges. 1,805,345; May 12.
Tanasso, Vincent, New York, and J. J. Pomeranz, Brooklyn, N. Y. Detachable bridge spring connection. 1,839,169; Dec. 29.
Tanasso, Vincent, Harrison, and J. J. Pomeranz, Brooklyn, N. Y. Handle for folding oxford frames or the like. Des. 85,557; Nov. 10.
Tanasso, Vincent, Harrison, and J. J. Pomeranz, New York, N. Y. Handle for folding oxford frames or the like. Des. 85,558; Nov. 10.
Tanberg, Ragnar, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric surge recorder. 1,805,195; May 12.
Tandberg, John G., Lund, assignor to Aktiebolaget Carba, Stockholm, Sweden. Gas measuring and indicating device. 1,825,024; Sept. 29.
Tandy, Lewis G., New York, N. Y. Locomotive driving connection. 1,804,038; May 5.
Taneyhill, John, St. Louis, Mo. Two-cycle engine. 1,808,384; June 2.
Tangen, Louis H., Duluth, Minn. Clamp or clothespin. 1,810,304; June 16.
Tanger, Samuel, Lynbrook, N. Y. Radiator inclosure. 1,807,352; May 26.
Taniguchi, Michiwo, Ebaragun, Tokyo-Fu, Japan, assignor to General Electric Company. Signaling system. 1,817,782; Aug. 4.
Tannehill, Vernon L., Fort Wayne, Ind. Golf game. 1,804,040; May 5.
Tanner, Arnold J., North Haven, Conn. Packing and display container. 1,817,045; Aug. 4.
Tanner, Arnold J., North Haven, Conn. Container for merchandise. 1,822,512; Sept. 8.
Tanner, Arnold J., North Haven, Conn. Folding box or receptacle. 1,833,057; Nov. 24.
Tanner, Arnold, J., North Haven, Conn., assignor to Einson-Freeman Co. Inc., Long Island City, N. Y. Easel or supporting device for display boxes, show cards, and the like. 1,830,743; Nov. 3.
Tanner, Charles H., St. Cloud, Minn. Apparatus for eliminating frost in air lines. 1,802,683; Apr. 28.
Tanner, George, Sandpoint, Idaho. Sawmill setwork. 1,804,716; May 12.
Tanner, Harold K., assignor to Isaac Braithwaite & Son Engineers, Limited, Kendal County Westmoreland, England. Apparatus for opening and pressing seams. 1,801,059; Apr. 14.
Tanner, Harry L., Brooklyn, assignor to Ford Instrument Company, Inc., New York, N. Y. Bearing for shafts and lubrication thereof. 1,793,262; Feb. 17.
Tanner, Heinrich, Baden, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Speed control apparatus for spinning machines. 1,806,098; May 19.
Tanner, Hubert D., and R. R. Raber, West Hartford, Conn., assignors to Pratt & Whitney Company, New York, N. Y. Gear-tooth-finishing machine. 1,790,560; Jan. 27.
Tanner, J. W., et al. (See Rodgers, Arthur L., assignor.)
Tanner, Robert A., Barboursville, W. Va., assignor to The American Valve & Meter Company, Cincinnati, Ohio. Wheel and rail lubricator. 1,803,923; May 5.
Tannery, Clifton W., San Augustine, Tex. Mattress box. 1,827,858; Oct. 20.
Tannewitz, Carl E., Grand Rapids, Mich. Band saw. 1,789,569; Jan. 20.
Tannewitz, Carl E., Grand Rapids, Mich. Sawing machine. 1,811,066; June 23.
Tannewitz, Carl E., Grand Rapids, Mich. Drawer lock mechanism. 1,829,770; Nov. 3.
Tannewitz, Carl E., Grand Rapids, Mich. Band saw wheel and tire therefor. 1,838,164; Dec. 29.
Tannich, Richard E. (See Wiezevich, P. J., and Tannich.)
Tannwalder Baumwollspinnfabrik. (See Broch, Friedrich, assignor.)
Tansley, George H., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Firing mechanism for automatic firearms. 1,803,350; May 5.
Tansley, George H., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Extractor for automatic firearms. 1,803,352; May 5.
Tantlinger, Don V., Sherman, Calif. Boomerang. 1,826,905; Oct. 13.
Tapner, Burton M. (See Day, G. H., and Tapner.)
Tapp, Charles E., Barachois, assignor to A. Paradis, Quebec, Canada. Combination container and bottle opener. 1,810,630; June 16.
Tapp, Harry F., Brooklyn, assignor to Socony Burner Corporation, New York, N. Y. Control for oil burners. 1,803,879; May 5.
Tapp, William C., assignor of one-half to R. N. Hart, Louisville, Ky. Internal combustion engine. 1,812,456; June 30.
Tappan, Dewitt, assignor to E. C. Brown Company, Rochester, N. Y. Jar. Des. 85,894; Dec. 29.
Tappan, De Witt, assignor, by mesne assignments, to North East Appliance Corporation, Rochester, N. Y. Odometer. 1,809,151; June 9.
Tappan Stove Company, The. (See Taylor, Thomas E., assignor.)
Tapper, Thomas P. (See Yarnall, D. R., and Tapper.)
Tarbox, George R., Troy, N. Y., assignor to The Eastern Malleable Iron Company, Bridgeport, Conn. Guard rail. 1,814,868; July 14.
Tarbox, Hugh B., Toronto, Ontario, Canada. Lever mechanism. 1,810,990; June 23.
Tarbox, John P. (See Eksergian, C. L., and Tarbox.)
Tarbox, John P., Philadelphia, Pa. Balancing system for aircraft. 1,832,334; Nov. 17.
Tarbox, John P., Philadelphia, Pa. Balancing system for aircraft. 1,832,433; Nov. 17.
Tarbox, John P., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automobile body and mounting therefor. 1,804,658; May 12.
Tarbox, John P., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Front post construction for vehicle bodies. 1,820,036; Aug. 25.
Tarbox, John P., assignor to Edward G. Budd Mfg. Company, Philadelphia, Pa. Vehicle body. 1,820,099; Aug. 25.
Tarbox, John P., assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body wall construction. 1,826,440; Oct. 6.
Tarbox, John P., Philadelphia, Pa., and C. L. Eksergian, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Screw type spoke and rim attachment. 1,834,507; Dec. 1.
Tarbox, John P., Philadelphia, Pa., C. L. Eksergian and W. H. Farr, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Wheel. 1,829,168; Oct. 27.
Tar and Petroleum Process Company. (See Knowles, Alexander S., assignor.)
Tar & Petroleum Process Company. (See Knowles, A. S., and Andrews, assignors.)
Tardiff, Philip D., Detroit, Mich. Automatic brake relay. 1,805,196; May 12.
Tark, Marcus B. (See Sayers, W. W., and Tark.)
Tark, Marcus B., assignor to Link-Belt Company, Philadelphia, Pa. Bearing. 1,819,394; Aug. 18.
Tarleton, Albert H., Honolulu, Hawaii. Plant culture. 1,793,877; Feb. 24.
Tarleton, John V., Jackson Heights, assignor to Pond's Extract Company, New York, N. Y. Bottle cap or the like. Des. 85,068; Sept. 8.
Tarlow, Milton D. (See Edelson, C. Z., Goldeen, and Tarlow.)
Taroni, Charles E., London, England, assignor to Baker Perkins Company Incorporated, New York, N. Y. Method and apparatus for making sponge cake and the like. 1,795,688; Mar. 10.
Tarr, Philip R., Cuyahoga Falls, Ohio. Aircraft with adjustable wing. 1,792,779; Feb. 17.
Tarrant Manufacturing Company. (See Tarrant, William P., assignor.)
Tarrant, William P., assignor to Tarrant Manufacturing Company, Saratoga Springs, N. Y. Pouring pot nozzle. 1,809,763; June 9.
Tarshis, Nathan L., Brooklyn, N. Y. Vending machine. 1,836,734; Dec. 15.
Tarshis, Ralph, Brooklyn, N. Y. Helicopter. 1,807,353; May 26.
Tartaglia, Leonardo M., Albuquerque, N. Mex. Circuit closing device. 1,830,298; Nov. 3.
Tartaglia, Louis, Albany, N. Y. Car truck. 1,817,719; Aug. 4.
Tartaz, Louis, New York, N. Y. Bunsen-burner attachment. 1,791,913; Feb. 10.
Tartrais, Eugène H., Montmorency, France. Engine of the two-stroke type. 1,823,770; Sept. 15.
Tarvid, Alexander A., Chicago, Ill. Device for operating closures for windows and the like. 1,791,151; Feb. 3.

Tarzian, Sarkes, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Radio receiving apparatus. 1,814,774; July 14.
Tashjian, Armen H., Cleveland, Ohio. Installing and distributing electric conductors. 1,797,164; Mar. 17.
Tashjian, Armen H., Cleveland, Ohio. Combined conduit and molding. 1,809,223; June 9.
Tashjian, Edward H., New York, N. Y. Construction unit. 1,804,132; May 5.
Tassie, Benjamin M., assignor to Manning, Bowman & Co., Meriden, Conn. Water bottle or similar article. Des. 84,767; July 28.
Tasty Baking Company. (See Pouchain, R. A., and Fox, assignors.)
Tate, Alfred O., Toronto, Ontario, Canada. Circle segmentator. 1,791,648; Feb. 10.
Tate, Alfred O., Toronto, Ontario, Canada. Scanning disk. 1,825,486; Sept. 29.
Tate, Alfred O., Toronto, Ontario, Canada. Scanning device. 1,825,487; Sept. 29.
Tate, Ballard C. (See Morgan, M. I., and Tate.)
Tate, James E., Minneapolis, Minn., assignor to H. E. Vance, Bemidji, Minn. Superstructure for beacon towers. Des. 84,904; Aug. 18.
Tate, James E., Minneapolis, Minn., assignor to H. E. Vance, Bemidji, Minn. Beacon tower. Des. 84,905; Aug. 18.
Tate, John J., Albion, Wash. Grain drill. 1,816,062; July 28.
Tate, Howard R. (See Buc, H. E., and Tate.).
Tate, Kenneth L., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,811,190; June 23.
Tate, Kenneth L., assignor to Taylor Instrument Companies, Rochester, N. Y. Pressure responsive instrument. 1,827,804; Oct. 20.
Tatham, William, Sydney, New South Wales, Australia. Bean stringing and slicing implement. 1,803,880; May 5.
Tatlow, John V., Beaver, Wash. Shingle. 1,812,223; June 30.
Tatosian, Harry. (See Schroeder, C., and Tatosian.)
Tatosian, Harry G., assignor to Ice Cream Cone Machinery, Inc., Bridgeport, Conn. Machine for forming and stacking ice cream cones. 1,804,039; May 5.
Tatro, William N., West Springfield, Mass. Apparatus for installing superheater tubes in boiler flues. 1,817,327; Aug. 4.
Tatter, John W., assignor to Lewis Differential Company, Chicago, Ill. Steering control for creeper type tractors. 1,801,988; Apr. 21.
Tatter, John W., assignor to Lewis Differential Company, Chicago, Ill. Brake band. 1,805,501; May 19.
Tatter, John W., assignor to Lewis Differential Company, Chicago, Ill. Brake mechanism. 1,814,574; July 14.
Tatter, John W., assignor to Lewis Differential Company, Chicago, Ill. Brake. 1,814,575; July 14.
Tatter, John W., assignor to Lewis Differential Company, Chicago, Ill. Steering and braking device. 1,814,576; July 14.
Tatter, John W., assignor to Lewis Differential Company, Chicago, Ill. Steering and braking device. 1,822,714; Sept. 8.
Tatter, John W., assignor to Lewis Differential Company, Chicago, Ill. Packing device. 1,837,239; Dec. 22.
Tattersall, Harold J., Swinton, Manchester, England, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Prevention of the development of rancidity in vegetable oils. 1,828,708; Oct. 20.
Tattersfield, Clifford T. (See Firth, F. C., Jessop, and Tattersfield.)
Tatum, John J., Baltimore, Md. Car ladder. 1,820,848; Aug. 25.
Tatum, John J., Baltimore, Md. Stake pocket. 1,825,832; Oct. 6.
Tatum, John J., Baltimore, Md. Brake shelf for railroad cars. 1,831,517; Nov. 10.
Tatum, John J., Baltimore, Md. Hopper car door securing mechanism. 1,838,593; Dec. 29.
Tatum, William W., assignor to British Dyestuffs Corporation Limited, Manchester, England. Manufacture and production of anthraquinone intermediates. 1,828,262; Oct. 20.
Tätz, Paul, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches Ufer 12/13, Berlin, S. W. 11, Germany. High frequency telephony system. 1,809,081; June 9.
Tatzl, Hans, Vienna, Austria, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 1,798,507; Mar. 31.
Taube, Karl, and E. Oppermann, Halle, Germany. Saucepan with stiffened rim. 1,797,594; Mar. 24.
Taubel, Clarence H., Riverside, N. J., assignor to Hemphill Company, Central Falls, R. I. Seamless stocking and making same. 1,820,637; Aug. 25.
Tauben, Maxwell, Brooklyn, N. Y. Invisible tie collar. 1,806,721; May 26.
Tauber, Hyman, assignor to Porcelier Manufacturing Company, Greensburg, Pa. Lighting-fixture bracket. Des. 83,288; Feb. 10.
Tauber, Hyman, assignor to Porcelier Manufacturing Company, Greensburg, Pa. Lighting-fixture bracket. Des. 83,289; Feb. 10.
Tauber, Hyman, assignor to Porcelier Manufacturing Company, Greensburg, Pa. Lighting-fixture bracket. Des. 83,290; Feb. 10.
Tauch, Ernest. (See Pugh, J. W., Tauch, and Warren.)
Tauchmann, Georg, Berlin-Schoneberg, and E. Reents, Berlin-Charlottenburg, assignors to Telephon-Apparat-Fabrik E. Zwietusch & Co. G. m. b. H., Charlottenburg, Germany. Telephone repeating coil. 1,792,616; Feb. 17.
Taunton, Edmund M. (See Maley, A. W., and Taunton.)
Taunton Pearl Works, Inc. (See Ormsbee, Willard A., assignor.)
Taunton Pearl Works, Inc. (See Wakefield, Francis J., assignor.)
Taupin, Joseph, assignor to Societe Anonyme: Imprimerie Paul Brodard, et Ateliers Joseph Taupin Reunies, Paris, France. Machine for pasting hinges on book covers. 1,792,664; Feb. 17.
Taurel, Paulin, Romainville, France. Machine for cutting threads on tubes. 1,817,111; Aug. 4.
Tauriac, Felix, Jennings, La. Mechanical hammer. 1,814,459; July 14.
Tauschek, Otto, Muenchen, Germany, assignor to Heinrich & Winterling, Inc., New York, N. Y. Plate. Des. 83,584; Mar. 4.
Tauschek, Otto, Munich, Germany, assignor to Oneida Community, Limited, Oneida, N. Y. Dish or similar article. Des. 85,134; Sept. 15.
Tauschek, Otto, Munich, Germany, assignor to Oneida Community, Limited, Oneida, N. Y. Dish or similar article. Des. 85,135; Sept. 15.
Tauscher, Arno E., and B. E. Schultze, Chicago, Ill. Resonance attachment for sound reproducing devices. 1,812,998; July 7.
Taussig, John W., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Screw conveyer pile. 1,805,265; May 12.
Tautz, Herbert E., Milwaukee, Wis. Scroll saw. Des. 85,847; Dec. 22.
Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Fence for jointers. 1,790,288; Jan. 27.
Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Planer attachment for jointers. 1,802,096; Apr. 21.
Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Cutter-head. 1,830,813; Nov. 10.
Tavalin, Samuel, Astoria, N. Y. Brush. 1,812,457; June 30.
Taveau, René de M., Elizabeth, N. J., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Preparing alkyl sulphates. 1,810,192; June 16.
Taveau, René de M., Elizabeth, N. J., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Extraction process. 1,825,762; Oct. 6.
Tavender, Walter K., Haworth, N. J. Electric heater. 1,806,004; May 19.
Tavender, Walter K., Haworth, N. J., and J. Buono, Brooklyn, N. Y. Cleaning garments. 1,802,587; Apr. 28.
Tawresey, John S., East Orange, N. J., assignor to The Skayef Ball Bearing Company, Hartford, Conn. Journal-box closure. 1,787,459; Jan. 6.
Tawresey, John S., East Orange, N. J., assignor, by mesne assignments, to General Steel Castings Corporation, Granite City, Ill. Railway truck. 1,806,832; May 26.
Tawse, John G., Evanston, Ill. Loading platform. 1,789,027; Jan. 13.
Tayler, Clive O., Victoria, British Columbia, Canada. Electrostatic acoustic amplifying device. 1,811,482; June 23.
Taylor, Alanson O., Lincoln, Nebr. Ore separator. 1,792,404; Feb. 10.
Taylor, Albert H., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Frequency multiplication system. 1,813,469; July 7.
Taylor, Albert H., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Frequency modulation system. 1,831,933; Nov. 17.
Taylor, Albert H., Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Amplifying system. 1,834,229; Dec. 1.
Taylor, Alfred T., Beverly Hills, assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Treating sound records and records produced thereby. 1,824,417; Sept. 22.
Taylor, Andrew R., Pepin, Wis. Wheel. 1,828,163; Oct. 20.
Taylor, Arnold M., and A. R. Chapman, Stamford, Conn., assignors to Atlas Powder Company, Wilmington, Del. Production of pigmented pyroxylin compositions. 1,824,177; Sept. 22.
Taylor, Benjamin W., Bayside, N. Y., assignor to The Skayef Ball Bearing Company, Hartford, Conn. Mounting of antifriction journal bearings in railway-truck side frames. 1,789,933; Jan. 20.
Taylor, Bert S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Decorating rubber. 1,825,252; Sept. 29.
Taylor, Braddock, Chicago, Ill. Safety razor. 1,791,855; Feb. 10.
Taylor Brothers Manufacturing Corporation. (See Taylor, Charles E., assignor.)
Taylor, Burt E., Mount Vernon, assignor to The Borden Company, New York, N. Y. Machine for cleaning tin cans. 1,833,007; Nov. 24.

Taylor, Cecil H., and A. Hafner, Detroit, Mich. Internal-combustion engine. 1,799,397; Apr. 7.
Taylor, Cecil H., and L. E. La Brie, assignors to Bendix Brake Company, South Bend, Ind. Brake. 1,838,880; Dec. 29.
Taylor, Charles. (See Holmes, N. J., and Taylor.)
Taylor, Charles C. (See Davis, F. K., and Taylor.)
Taylor, Charles C. G., Forest Gate, England. Trolley head for electric traction. 1,814,349; July 14.
Taylor, Charles E., Los Angeles, Calif., assignor to Taylor Brothers Manufacturing Corporation, Elkhart, Ind. Battery terminal clamp. 1,821,486; Sept. 1.
Taylor, Charles, Sons Company, The. (See Hartmann, George, assignor.)
Taylor, Charles W. A., Corbridge-on-Tyne, England. Pulley block. 1,799,935; Apr. 7.
Taylor, Clarence C. (See Leo, H. T., Taylor, and Beck.)
Taylor, Clarence R., Chicago, assignor to Grindle Fuel Equipment Co., Harvey, Ill. Pulverizer. 1,796,545; Mar. 17.
Taylor, Claude H. (See Stanley, E. J., and Taylor.)
Taylor, Clifford J., and W. H. Dunn, Lubbock, Tex. Display case. 1,827,175; Oct. 13.
Taylor, Cyril S., New Kensington, and J. D. Edwards, Oakmont, Pa. Aluminum alloy. 1,830,142; Nov. 3.
Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heat regulating device. 1,827,340; Oct. 13.
Taylor, David W., Washington, D. C. Tunnel boat. 1,827,859; Oct. 20.
Taylor, David W., Washington, D. C. Tunnel boat. 1,838,335; Dec. 29.
Taylor, Edmund R., New York, N. Y., assignor to American Telephone and Telegraph Company. Combined telephone and telegraph system. 1,828,823; Oct. 27.
Taylor, Edward A., Cleveland, and W. T. Grace, Willoughby, assignors, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Purifying sodium silicate solutions. 1,836,093; Dec. 15.
Taylor, Edward, Brooklyn, N. Y. Bathing equipment. 1,794,561; Mar. 3.
Taylor, Edward M., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,805,056; May 12.
Taylor, Edwin C., assignor to The Yale Publishing Association, Inc., New Haven, Conn. Plate. Des. 83,219; Feb. 3.
Taylor, Elmer R., deceased, East Jordan, Mich.; J. R. Taylor, administratrix. Synchronizing mechanism for combined talking and moving picture machines. 1,810,062; June 16.
Taylor, Eugene V., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,802,126; Apr. 21.
Taylor, Francis M. (See Brooks, W. H., and Taylor.)
Taylor, Frank F. (See Gill, D. W., Orr, and Taylor.)
Taylor, Frank F., Santa Ana, Calif. Internal combustion engine. 1,805,931; May 19.
Taylor, Frank F., Company, The. (See Gill, Donald W., assignor.)
Taylor, Frank F., Company, The. (See Gill, D. W., Orr, and Taylor, assignors.)
Taylor, Frank F., Company, The. (See Marqua, William A., assignor.)
Taylor, Frank J., San Francisco, Calif. Map folder. 1,809,876; June 16.
Taylor, Frank O., Hot Springs, Mont. Seed cleaner and grader. 1,833,447; Nov. 24.
Taylor, George, (Brass Foundries) Limited. (See Slater, Eric, assignor.)
Taylor, George, Conshohocken, Pa. Wheeled toy rocking figure propelled. 1,809,739; June 9.
Taylor, George E., London, England, assignor to Ajax Electrothermic Corporation, Trenton, N. J. High frequency coil for electric induction furnaces. 1,818,107; Aug. 11.
Taylor, George F., Schenectady, N. Y., assignor to Baker & Co., Inc. Process and apparatus for making filaments. 1,793,529; Feb. 24.
Taylor, George F., Schenectady, N. Y., assignor to General Electric Company. Metal stencil. 1,819,827; Aug. 18.
Taylor, George F., Niskayuna, N. Y., assignor to General Electric Company. Producing openings through hard metal compositions. 1,823,709; Sept. 15.
Taylor, George F., Deadwood, S. Dak. Tool. 1,830,143; Nov. 3.
Taylor, George L., Rochester, assignor, by mesne assignments, to Harold Gouinlock, Batavia, N. Y. Sensitized-material pack. 1,794,426; Mar. 3.
Taylor, George L., Rochester, assignor, by mesne assignments, to H. Gouinlock, Batavia, N. Y. Photographic apparatus. 1,822,677; Sept. 8.
Taylor, George L., Rochester, assignor, by mesne assignments, to H. Gouinlock, Batavia, N. Y. Photographic apparatus and more particularly to the focusing mechanism thereof. 1,822,678; Sept. 8.
Taylor, George N., East Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Yarn-cleaner and slub-catcher. 1,817,937; Aug. 11.
Taylor, George W., Boston, assignor to Harold J. Clark, Waltham, Mass. Roller bearing. 1,787,603; Jan. 6.
Taylor, George W., Boston, assignor to H. J. Clark, Waltham, Mass. Roller bearing. 1,796,813; Mar. 17.
Taylor, George W., Wellesley, Mass., assignor, by mesne assignments, to H. J. Clark, Watertown, Mass. Crankshaft and bearing assembly. 1,790,253; Jan. 27.
Taylor, George W., Wellesley, assignor, by mesne assignments, to Harold J. Clark, Watertown, Mass. Split roller bearing. 1,799,447; Apr. 7.
Taylor, George W., Wellesley, assignor, by mesne assignments, to H. J. Clark, Watertown, Mass. Axle. 1,813,779; July 7.
Taylor, H. D., Co. (See Hallstead, L. A., and Dawson, assignors.)
Taylor, Hal. Moncure, assignor of two-thirds to J. F. Alaston, Pittsboro, N. C. Cotton chopper. 1,808,871; June 9.
Taylor, Halsey W., Warren, Ohio. Pressure-regulating valve. 1,793,292; Feb. 17.
Taylor, Halsey W., Company, The. (See Taylor, H. W., and Smith, assignor.)
Taylor, Halsey W., Warren, and J. T. Smith, Cleveland; said Smith assignor to The Halsey W. Taylor Company. Warren, Ohio. Liquid cooler. 1,802,396; Apr. 28.
Taylor, Harden F., Bronx, assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Smoke generator. 1,811,191; June 23.
Taylor, Harry, assignor of one-half to P. Krause, West Babylon, N. Y. Strippling tool. 1,811,372; June 23.
Taylor, Harry J., New York, N. Y. Applying an advertising medium to bakers' products. 1,818,923; Aug. 11.
Taylor, Headlie S., assignor to H. V. McKay Proprietary Limited, Sunshine, Victoria, Australia. Apparatus for gathering and feeding in crop to stripper harvesting and reaper thrasher machines. 1,817,429; Aug. 4.
Taylor, Headlie S., Sunshine, assignor to H. V. McKay Proprietary Limited, Sunshine, Victoria, Australia. Apparatus for gathering and feeding in crops to stripper harvesting and reaper thrasher machines. 1,832,154; Nov. 17.
Taylor, Henry. (See Taylor, Reginald and H.)
Taylor, Henry G., assignor to Geophysical Exploration Company, Beaumont, Tex. Seismometer. 1,789,055; Jan. 13.
Taylor, Henry G., assignor to Geophysical Exploration Company, Beaumont, Tex. Recording seismic waves. 1,799,398; Apr. 7.
Taylor, Henry P., Winston-Salem, N. C. Pressing and packing manufactured tobacco. Re18,173; Sept. 1.
Taylor, Henry P., Winston-Salem, N. C. Compressing tobacco. 1,828,790; Oct. 27.
Taylor, Herbert B., assignor to General Railway Signal Company, Rochester, N. Y. Switch machine. 1,794,562; Mar. 3.
Taylor, Herbert B., assignor to General Railway Signal Company, Rochester, N. Y. Relay operating mechanism. 1,824,178; Sept. 22.
Taylor, Herbert E., Coventry, England, assignor to Gleason Works, Rochester, N. Y. Machine for cutting gears. 1,798,230; Mar. 31.
Taylor, Herbert E., Coventry, England, assignor to Gleason Works, Rochester, N. Y. Method of and apparatus for grinding gears. 1,830,971; Nov. 10.
Taylor, Howard D., New York, N. Y., assignor to Flexible Truck Corporation, Reading, Pa. Car truck bolster. 1,820,924; Sept. 1.
Taylor Instrument Companies. (See Barr, Daniel R., assignor.)
Taylor Instrument Companies. (See Bolton, Harry D., assignor.)
Taylor Instrument Companies. (See Brown, H. Brainard, assignor.)
Taylor Instrument Companies. (See Clark, Herbert A., assignor.)
Taylor Instrument Companies. (See Clawson, Albert E., assignor.)
Taylor Instrument Companies. (See DeMers, Clayton D., assignor.)
Taylor Instrument Companies. (See Ireland, George B., assignor.)
Taylor Instrument Companies. (See Newell, F. B., and Stalker, assignors.)
Taylor Instrument Companies. (See Norwood, Harry Y., assignor.)
Taylor Instrument Companies. (See Rosenburgh, Durwood D., assignor.)
Taylor Instrument Companies. (See Tate, Kenneth L., assignor.)
Taylor Instrument Companies. (See Teague, Walter D., assignor.)
Taylor Instrument Companies. (See Teague, Walter Dorwin, assignor.)
Taylor Instrument Companies. (See Withers, Charles A., assignor.)
Taylor, Irvin A., assignor to Kerr Cickeries, Inc., Frenchtown, N. J. Combination chick storage, brooder and incubator. 1,814,979; July 14.
Taylor, Jack F. M., Wilmington, assignor to Shell Development Company, San Francisco, Calif. Mixing chamber for foam forming solutions. 1,813,101; July 7.
Taylor, James F., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,832,919; Nov. 24.
Taylor, James H., Oak Park, Ill. Making nozzles. 1,802,961; Apr. 28.
Taylor, James H., Oak Park, Ill. Pipe upsetting machine. 1,817,215; Aug. 4.

Taylor, James H., Chicago, Ill. Ring rolling machine. 1,832,881; Nov. 24.
Taylor, James H., Oak Park, Ill. Ring rolling mill. 1,833,097; Nov. 24.
Taylor, James H., New York, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Garment press. 1,828,951; Oct. 27.
Taylor, James J., Wyoming, assignor to The Stacey Bros. Gas Construction Company, St. Bernard, Ohio. Riveter. 1,821,410; Sept. 1.
Taylor, James P., Brooklyn, N. Y. Blow distributing athletic protector. 1,830,572; Nov. 3.
Taylor, James S., Tulsa, assignor of one-half to L. J. Mildren, Ponca City, Okla. Cable clamp. 1,804,288; May 5.
Taylor, James W., San Antonio, Tex., assignor to Economy Pump and Oil Tool Company. Automatic valve for fluid lift devices. 1,803,683; May 5.
Taylor, Jay L. (See Cutting, F., and Taylor.)
Taylor, Jerusha R., administratrix. (See Taylor, Elmer R.)
Taylor, John L., West View Borough, Pa. Barge. Re17,968; Feb. 17.
Taylor, John L., West View Borough, Pa. Barge. 1,799,874; Apr. 7.
Taylor, John L., West View Borough, Pa. Barge. 1,807,714; June 2.
Taylor, John W., Birmingham, assignor to W. & T. Avery Limited, Soho Foundry, Birmingham, England. Knife-edge bearing of weighing apparatus. 1,792,942; Feb. 17.
Taylor, Joseph, Eltham, New Zealand. Milking machine. 1,822,680; Sept. 8.
Taylor, Joseph B., Allendale, N. J. Dust separator. 1,803,540; May 5.
Taylor, Joseph H., Athens, Tenn. Tractor plow. 1,811,733; June 23.
Taylor, Joseph H., assignor to F. R. Bradford, Benton, Tenn. Mechanical computer. 1,824,382; Sept. 22.
Taylor, Joseph I., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making window guide channels. 1,808,582; June 2.
Taylor, Joseph I., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making channel strips. 1,834,554; Dec. 1.
Taylor, Julian M., and R. H. Taylor, Las Cruces, N. Mex. Planter attachment. 1,818,656; Aug. 11.
Taylor, Kelley H., Birmingham, Ala. Broom and mop holder. 1,803,569; May 5.
Taylor, Laurens A., Schenectady, N. Y., assignor to General Electric Company. Photographic sound-recording apparatus. 1,801,123; Apr. 14.
Taylor, Laurens A., Schenectady, N. Y., assignor to General Electric Company. Sound recording. 1,804,289; May 5.
Taylor, Lee J., Snohomish, Wash. Storage means. 1,828,208; Oct. 20.
Taylor, Louis R., assignor to Loeffelholz Co., Milwaukee, Wis. Electrical connecter receptacle. 1,810,687, June 16.
Taylor, Maurice C. (See Low, F. S., Taylor, and Berresford.)
Taylor, Paul B., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Crank-case ventilation. 1,788,897; Jan. 13.
Taylor, Ralph M., et al. (See Altfather, Lewis F., assignor.)
Taylor, Raymond A., Frederick, Md. Mail bag hook. 1,822,830; Sept. 8.
Taylor, Raymond A., Frederick, Md. Thermos jar. 1,832,798; Nov. 17.
Taylor, Reginald, Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,836,996; Dec. 15.
Taylor, Reginald and H., Toronto, Ontario, Canada. Piston. 1,795,353; Mar. 10.
Taylor, Reginald, Liverpool, and C. E. Beale, London, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,798,284; Mar. 31.
Taylor, Reginald, Liverpool, and L. M. Simpson, Thorner, near Leeds, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 1,812,999; July 7.
Taylor, Reuben T., Brooklyn, and W. M. Wallace, jr., Hollis, assignors to Charles Hartmann Company, Brooklyn, N. Y. Hot-air heater. 1,795,055; Mar. 3.
Taylor, Robert B., Hawaii, assignor to Hawaiian Canneries, Ltd., Kapaa, Hawaii. Device for recovering pineapple from waste shells. 1,819,575; Aug. 18.
Taylor, Robert H. (See Taylor, J. M. and R. H.)
Taylor, Robert S., assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,789,346; Jan. 20.
Taylor, Robert S., Evansville, Ind., assignor to Electrolux Servel Corporation, New York, N. Y. Tray front. 1,816,622; July 28.
Taylor, Robert S., assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,822,250; Sept. 8.
Taylor, Samuel E., and G. E. Perry, Chicago, Ill. Clip. 1,795,622; Mar. 10.
Taylor, Samuel L., Mount Sterling, Ky. Vehicle body. 1,837,596; Dec. 22.
Taylor, Samuel W., Detroit, Mich., assignor to Copeland Products Inc. Tubing and forming the same. 1,813,971; July 14.
Taylor, Scott V. E., Akron, Ohio. Hydraulic mechanism. 1,831,690; Nov. 10.
Taylor Shantz Company. (See Germany, Edgar R., assignor.)
Taylor, Steadman O., St. Louis, Mo. Pipe clamp. 1,794,476; Mar. 3.
Taylor, Steadman O., Maplewood, Mo., assignor to T & S Corporation. Nut lock. 1,790,493; Jan. 27.
Taylor, Stephen H., Ludlow, Ky. Water wheel. 1,796,065; Mar. 10.
Taylor, Stiman B., assignor to The Reliance Electric and Engineering Company, Cleveland, Ohio. Fan for cooling dynamo electric machines, etc. 1,814,447; July 14.
Taylor, Thomas E., Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio. Broiler pan. 1,795,523; Mar. 10.
Taylor-Travers Corporation, Ltd. (See Whaley, Leonard D., assignor.)
Taylor, Walter L., Loma Linda, Calif. Sheet-end indicator. 1,789,790; Jan. 20.
Taylor, William A., Asheville, N. C. Typewriter attachment. 1,838,881; Dec. 29.
Taylor, William E., East Orange, N. J., assignor to American Can Company, New York, N. Y. Can body maker. 1,836,201; Dec. 15.
Taylor, William H., Seal Beach, Calif. Mud saver. 1,835,444; Dec. 8.
Taylor, William H., Brookfield, assignor, by mesne assignments, to The Allbright-Nell Co., Chicago, Ill. Hog scraper. 1,834,479; Dec. 1.
Taylor, William J., Winthrop Harbor, Ill., assignor to The Lamson Company, Syracuse, N. Y. Conveyer. 1,835,823; Dec. 8.
Taylor, William L., Cincinnati, Ohio. Covering and process of making it. 1,789,887; Jan. 20.
Taylor, William C., assignor to Corning Glass Works, Corning, N. Y. Glass. 1,815,812; July 21.
Taylor, William D., et al. (See Smith, Herbert B., assignor.)
Taylor, William E., East Orange, N. J., assignor to American Can Company, New York, N. Y. Scoring machine. 1,805,708; May 19.
Taylor, William I. (See Dreyfus, H., Kinsella, Bower, and Taylor.)
Taylor, William L., Cincinnati, Ohio. Multiplex bag. 1,821,246; Sept. 1.
Taylor, William L., Cincinnati, Ohio. Paper bag machine. 1,824,383; Sept. 22.
Taylor, Wilson B., Uniontown, Pa. Dishwasher. 1,798,387; Mar. 31.
Tchayeff, Serge, Paris, France. Device for applying hooked clasps. 1,804,071; May 5.
Tea, Clark A., assignor to Detroit Steel Products Company, Detroit, Mich. Shock absorber. 1,838,644; Dec. 29.
Tea, Peter L., Yonkers, N. Y. Apparatus for investigating experimentally the laws of moving bodies. 1,825,136; Sept. 29.
Tea, Peter L., Yonkers, N. Y. Apparatus for investigating and demonstrating the laws of centrifugal force 1,829,311; Oct. 27.
Teagaris, John G., West Millcreek Township, Erie County, Pa., assignor to Erie City Iron Works, Erie, Pa. Feeding mechanism. 1,825,431; Sept. 29.
Teague, Merwyn C., Jackson Heights, assignor to General Rubber Company, New York, N. Y. Process and composition for rubberizing water repellant material and product thereof. 1,802,127; Apr. 21.
Teague, Merwyn C., Elmhurst, N. Y., assignor to American Rubber Company, East Cambridge, Mass. Thickening and stabilizing latex and product. 1,826,192; Oct. 6.
Teague, Walter D., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Camera casing. Des. 83,021; Jan. 6.
Teague, Walter D., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Camera casing. Des. 83,022; Jan. 6.
Teague, Walter D., New York, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y. Camera casing. Des. 83,220; Feb. 3.
Teague, Walter D., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter cover. Des. 83,837; Mar. 31.
Teague, Walter D., New York, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y. Camera casing. Des. 84,605; July 7.
Teague, Walter D., Forest Hills, N. Y., assignor to Turner Glass Corporation, Terre Haute, Ind. Bottle or similar container. Des. 83,417; Feb. 17.
Teague, Walter D., Forest Hills, assignor to Taylor Instrument Companies, Rochester, N. Y. Barometer. Des. 85,352; Oct. 13.
Teague, Walter D., Forest Hills, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y. Recorder case. Des. 85,727; Dec. 8.
Teague, Walter D., Forest Hills, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Mirror. Des. 85,790; Dec. 15.
Teague, Walter D., Forest Hills, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Magnifying glass. Des. 85,791; Dec. 15.
Teale, Wilbur, and H. F. McLauthlin, Oakland, Calif., assignors to Hydro-Oil Fire Corporation, Tacoma, Wash. Fluid proportioning device. 1,812,728; June 30.

Teare, Albert R., Lakewood, assignor to Domestic Electric Company, Cleveland, Ohio. Material treating machine. 1,809,363; June 9.
Teasdale, George E., Kansas City, Kans. Luminescent tube. 1,808,825; June 9.
Teasdale, George E., Kansas City, Kans. Luminescent tube. 1,808,826; June 9.
Teasley, Daniel O., Denver, Colo. Refrigerator and hydrator and fruits and vegetables. 1,829,024; Oct. 27.
Tebbs, Lewis, and G. M. Boll, Wichita, Kans. Automatic traffic signal. 1,802,684; Apr. 28.
Tebieff, Alexander N., Los Angeles, Calif. Child's vehicle. 1,809,740; June 9.
Tebo, Charles E., Millbury, Mass. Candle holder. 1,831,518; Nov. 10.
Tebo, William A., Anthony, R. I., assignor to Draper Corporation, Hopedale, Mass. Thin-place preventer for looms. 1,799,995; Apr. 7.
Tebo, William A., Anthony, R. I., assignor to Draper Corporation, Hopedale, Mass. Thin-place preventer for looms. 1,800,115; Apr. 7.
Technical Glass Company. (See Netschert, Franz, assignor.)
Technical Supply Company. (See May, Edward A., assignor.)
Technicolor Motion Picture Corporation. (See Atwood, Francis C., assignor.)
Technicolor Motion Picture Corporation. (See Kienninger, John F., assignor.)
Technicolor Motion Picture Corporation. (See Sugden, Bertha, assignor.)
Technicolor Motion Picture Corporation. (See Troland, Leonard T., assignor.)
Technicolor Motion Picture Corporation. (See Tuttle, Bertha S., assignor.)
Technicolor Motion Picture Corporation. (See Weaver, Eastman A., assignor.)
Technidyne Corporation. (See Reisman, Emil, assignor.)
Teed, Lue A., Fullerton, Calif. Well capping device. 1,807,498; May 26.
Teel, Lawrence H., Salem, assignor to A. C. Lawrence Leather Company, Boston, Mass. Clasp or toggle. 1,797,452; Mar. 24.
Teel, Raymond A., Glenolden, Pa. Umbrella. 1,805,745; May 19.
Teeple, Frank A., jr., assignor to Southern Iron & Equipment Co., Atlanta, Ga. Cleaning apparatus. 1,801,888; Apr. 21.
Teeple, George L., New York, and G. S. Ball, Brooklyn, N. Y. Salvage chamber for submarines. 1,803,369; May 5.
Teeple. Lawrence R., Portland, Oreg. Day and night thermostat. 1,796,695; Mar. 17.
Teeple, Lawrence R., Portland, Oreg. Mercury switch thermostat. 1,822,605; Sept. 8.
Teesdale, John B., Grand Rapids, Mich. Rotary pump. 1,787,708; Jan. 6.
Teeter, Wilford H. (See Aseltine, F. E., and Teeter.)
Teeter, Wilford H., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge-forming device. 1,796,902; Mar. 17.
Teeter, Wilford H., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,819,526; Aug. 18.
Teeter, Wilford H., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,819,527; Aug. 18.
Teeter, Wilford H., assignor to Delco-Remy Corporation, Dayton, Ohio. Engine starting apparatus. 1,828,709; Oct. 20.
Teeter, Wilford H., assignor to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,839,129; Dec. 29.
Teeter, Wilford H., assignor, by mesne assignments, to Delco Products Corporation, Dayton, Ohio. Charge forming device. 1,833,189; Nov. 24.
Teeters, Wilson J., Lyons, Nebr. Rotary gasoline motor. 1,812,729; June 30.
Teetor, Charles N., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston-ring compressor. 1,793,029; Feb. 17.
Teetor, Ralph R., Hagerstown, Ind. Fishing-pole handle. Des. 83,221; Feb. 3.
Teetor, Ralph R., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston and piston ring. 1,825,893; Oct. 6
Teetorf, Macy O., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston and piston ring. 1,789,570; Jan. 20.
Tefra Co., The. (See Funk, Charles J., assignor.)
Tegarty, John B., assignor of one-half to A. H. Van Horn, Lakewood, Ohio. Aerial toy. 1,790,849; Feb. 3.
Te Groen, Gerard and P. W., Long Beach, Calif. Sprinkler. 1,794,013; Feb. 24.
Te Groen, Peter W. (See te Groen, Gerard, and P. W.)
Teichgräber, Freidrich K., Berlin-Schmargendorf, Germany. Electromagnetic driving-direction indicator. 1,797,885; Mar. 24.
Teichman, Albert F., and J. W. Thee, Cincinnati, Ohio. Water control device. 1,808,385; June 2.
Teichmann, Bruno, Berlin, Germany, assignor to General Electric Company. Dynamo-electric machine. 1,801,124; Apr. 14.
Teichmueller, Emil, New York, N. Y. Burglarproof pocket. 1,790,958; Feb. 3.

Teifel, Leon. (See Morisse, Adrien, assignor.)
Teigeler, Alfred J., Rutherford, N. J. Force or suction cup. 1,836,202; Dec. 15.
Teitscheid, Alfred F., Wharton, N. J. Supersensitive fuse for projectiles. 1,793,567; Feb. 24.
Telautograph Corporation. (See Van Nostrand, Arleigh N., assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Ahlberg, Curt F., assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Gartnäs, Anders H., assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Jacobsson, F. M., and Ljungdahl, assignors.)
Telefonaktiebolaget L. M., Ericsson. (See Johnson, Karl G., assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Knös, Gunnar B., assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Larsson, Knut., assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Laurent, Torbern, assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Lienzén, David L., assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Lundell, Torsten A., assignor.)
Telefon Aktiebolaget L. M. Ericsson. (See Nilson, C. E. J., and Lienzén, assignors.)
Telefonaktiebolaget L. M. Ericsson. (See Nilsson, Nils E., assignor.)
Telefon Aktiebolaget L. M. Ericsson. (See Palmgren, Nils G., assignor.)
Telefonaktie Bolaget L. M. Ericsson. (See Trechcinski, Roman, assignor.)
Telefunken Gesellschaft fur Drahtlose, Telegraphie m. b. H. (See Kummerer, Wilhelm, assignor.)
Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Meissner, Alexander, assignor.)
Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Runge, Wilhelm, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schroeter, F., and Michelssen, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, Rudolf, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Arco, G., and Schröter, assignors.)
Telegraphie-Patent-Syndikat G. m. b. H. (See Stille, Curt, assignor.)
Telephon-Apparat-Fabrik E. Zwietusch & Company. (See Appelius, Fritz, assignor.)
Telephon-Apparate Fabrik E. Zwietusch & Co., G. m. b. H. (See Marburg, Hans, assignor.)
Telephon-Apparat-Fabrik E. Zweitusch & Co. G. m. b. H. (See Tauchmann, G., and Reents, assignors.)
Telephon-Apparat Fabrik E. Ziveitusch and Company. (See Rüdiger, Walter, assignor.)
Teleregister Corporation, The. (See Favarger, François, assignor.)
Television Laboratories, Inc. (See Farnsworth, Philo T., assignor.)
Teletype Corporation. (See Kleinschmidt, Edward E., assignor.)
Teletype Corporation. (See Krum, Howard L, assignor.)
Teletype Corporation. (See Morton, S., and Krum, assignors.)
Teletype Corporation. (See Morton, S., Krum, and Kleinschmidt, assignors.)
Teletype Corporation. (See Swan, Carl W., assignor.)
Television Limited. (See Baird, John L., assignor.)
Telis, Beatrice, Los Angeles, Calif. Multiplex pattern. 1,795,524; Mar. 10.
Telkor, Inc. (See Roe, William C., assignor.)
Tell, R. P. (See Aikman, Burton S., assignor.)
Tell, William J., Detroit, Mich. Device for tapping pipes. 1,812,907; July 7.
Tellander, Gunnar R., Gottenborg, Sweden. Hot water supply system. 1,810,798; June 16.
Tellefsen, Karl R., Philadelphia, Pa. Outrigger davit for ships. 1,798,990; Mar. 31.
Teller Corporation. (See Teller, Jacob, assignor.)
Teller Corporation. (See Teller, J. and Schulz, assignors.)
Teller, Fritz. (See Guenther, F., Teller, Immerheiser, and Zschimmer.)
Teller, Jacob, Chicago, Ill., assignor to Teller Corporation, Chattanooga, Tenn. Combination closed-top gas or electric cook range and cabinet and refrigerator unit. Des. 83,023; Jan. 6.
Teller, Jacob, Chicago, Ill., assignor to Teller Corporation, Chattanooga, Tenn. Side oven folding closed top cabinet gas or electric range. Des. 85,625; Nov. 24.
Teller, Jacob, Chicago, Ill., assignor to Teller Corporation, Chattanooga, Tenn. Cabinet gas stove and range. 1,817,856; Aug. 4.
Teller, Jacob, Chicago, Ill., assignor to Teller Corporation, Chattanooga, Tenn. Safety device for gas stoves and ranges. 1,825,373; Sept. 29.
Teller, Jacob, assignor to Teller Corporation, Chicago, Ill. Stove structure. 1,836,781; Dec. 15.
Teller, Jacob, assignor to Teller Corporation, Chicago, Ill. Stove structure. 1,836,782; Dec. 15.
Teller, Jacob, Chicago, Ill., and A. P. Schulz, Buffalo, N. Y., assignors to Teller Corporation, Chattanooga, Tenn. Side-oven closed-top cabinet gas or electric range. Des. 83,078; Jan. 13.

Teller, Jacob, Chicago, Ill., and A. P. Schulz, Buffalo, N. Y., assignors to Teller Corporation, Chattanooga, Tenn. Closed-top-cabinet gas, electric, or oil range. Des. 83,769; Mar. 24.
Teller, Jacob, Chicago, and A. P. Schulz, Berwyn, Ill., assignors to Teller Corporation, Chattanooga, Tenn. Gas or electric range top. Des. 85,013; Sept. 1.
Teller, Jacob, Chicago, and A. P. Schulz, Berwyn, Ill., assignors to Teller Corporation, Chattanooga, Tenn. Gas or electric range. Des. 85,014; Sept. 1.
Teller, Jacob, Chicago, and A. P. Schulz, Berwyn, Ill., assignors to Teller Corporation, Chattanooga, Tenn. Gas range top section. Des. 85,126; Sept. 15.
Teller, Jacob, Chicago, Ill., and Arthur P. Schulz, Buffalo, N. Y., assignors to Teller Corporation, Chattanooga, Tenn. Cabinet cooking range. Des. 85,353; Oct. 13.
Teller, Jacob, and A. P. Schulz, New York, N. Y., assignors to Teller Corporation, Chattanooga, Tenn. Gas or electric cabinet cookstove or range. Des. 85,354; Oct. 13.
Teller, Jacob, and A. P. Schulz, New York, N. Y., assignors to Teller Corporation, Chattanooga, Tenn. Handle for a door or analogous article. Des. 85,498; Nov. 3.
Teller, Jacob, and A. P. Schulz, New York, N. Y., assignors to Teller Corporation, Chattanooga, Tenn. Gas or electric cabinet range. Des. 85,626; Nov. 24.
Teller, Jacob, and A. P. Schulz, New York, N. Y., assignors to Teller Corporation, Chattanooga, Tenn. Combined cabinet gas or electric range and refrigerator. Des. 85,792; Dec. 15.
Teller, Jacob, and A. P. Schulz, New York, N. Y., assignors to Teller Corporation, Chattanooga, Tenn. Table-top, straight-line gas or electric range. Des. 85,848; Dec. 22.
Teller, Jacob, New Rochelle, and A. P. Schulz, New York, N. Y., assignors to Teller Corporation, Chattanooga, Tenn. Combined gas or electric cabinet range and refrigerator. Des. 85,895; Dec. 29.
Teller, Jacob, Chicago, and A. P. Schulz, Berwyn, Ill., assignors to Teller Corporation, Chattanooga, Tenn. Gas or electric cooking range. 1,820,849; Aug. 25.
Tellier, Edgar H., and R. C. Deckman, assignors to Koehring Company, Milwaukee, Wis. Solenoid dipper trip. 1,820,546; Aug. 25.
Tellier, Roy G., assignor to F. B. Jackson, Warren, Pa. Substance preparation. 1,839,059; Dec. 29.
Tellier, Roy G., Lansdowne, assignor to F. B. Jackson, Warren, Pa. Substance preparation. 1,839,060; Dec. 29.
Tellier, Roy G., Lansdowne, assignor to F. B. Jackson, Warren, Pa. Liquors for treating substances to form colloid gels and preparing such liquors. 1,839,061; Dec. 29.
Tellier, Roy G., assignor to F. B. Jackson, Warren, Pa. Substance preparation. 1,839,062; Dec. 29.
Tellier, Roy G., assignor to F. B. Jackson, Warren, Pa. Substance preparation. 1,839,063; Dec. 29.
Telling Belle Vernon Company, The. (See Frohring, William O., assignor.)
Tellis, Vsevolod G., assignor to O. F. Jordan Company, East Chicago, Ind. Railroad spreader. 1,836,049; Dec. 15.
Temler, Friedrich, Cologne-Nippes, Germany. Arch support for shoes. 1,804,549; May 12.
Tempestini, Dante O., New Orleans, La. Box-stamping machine. 1,796,224; Mar. 10.
Temple, Floyd L., Terre Haute, Ind. Burial vault. 1,789,119; Jan. 13.
Temple, Fred W., assignor to Temple, Inc., Chicago, Ill. Amplifying horn. 1,800,762; Apr. 14.
Temple, Fred W., assignor to Temple, Inc., Chicago, Ill. Amplifying horn. 1,811,598; June 23.
Temple, George E., Stoneham, Mass. Table. 1,836,943; Dec. 15.
Temple, Inc. (See Temple, Fred W., assignor.)
Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Nozzle. 1,810,799; June 16.
Templeton, Daniel H., Mead, Nebr. Mail box. 1,813,516; July 7.
Templeton, Edwin G., and W. K. Glennon, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Flap cutting device. 1,813,869; July 7.
Templeton, John, Detroit, Mich. Lamp casing. Des. 84,501; June 23.
Templeton, Karl R., Chicago, Ill. Storage case. 1,809,994; June 16.
Templeton, Walter B., Chicago, Ill. Band end connection. 1,815,684; July 21.
Temporator Company. (See Calkins, Chauncey L., assignor.)
Tennant, G. H., Company. (See Pennock, Edward M., assignor.)
Tennesse, Hans, and F. Basse, New York, N. Y. Acoustic diphragm. 1,825,833; Oct. 6.
Tennessee Corporation. (See McKee, Ralph H., assignor.)
Tennessee Products Corporation. (See Walton, John W., assignor.)
Tenney, Ashton M. (See Hoxie, F. J., and Tenney.)
Tenney, Julius S., New York, N. Y. Buckle. Des. 83,291; Feb. 10.
Tenney, Perry L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Variable-speed transmission control. 1,788,899; Jan. 13.
Tenney, Perry L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Steering gear. 1,797,737; Mar. 24.
Tenney, Perry L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Transmission. 1,823,432; Sept. 15.
Tenney, Perry L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Transmission shifting mechanism. 1,826,407; Oct. 6.
Tenney, Perry L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Variable speed transmission. 1,826,408; Oct. 6.
Tenney, Perry L., and H. E. Fidler, Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Overspeed transmission. 1,788,898; Jan. 13.
Tenney, Walter M., Chicago, Ill. Engineer's plumb rod. 1,827,049; Oct. 13.
Tennick, Paul M., London, England. Heel protector for use inside boots and shoes. 1,796,225; Mar. 10.
Tensfeldt, Ernst, Berlin-Charlottenburg, Germany. Safety wardrobe ticket-set. 1,804,238; May 5.
Tenuta, Salvatore A., Chicago, Ill. Buckle. 1,822,177; Sept. 8.
Teodorini, Osmond, assignor of one-fourth to Beatrice S. Speck, New York, N. Y. Shoe heel. 1,834,748; Dec. 1.
Te Pas, Edmund J., Lakewood, Ohio, assignor to The Patrol Valve Company, Cleveland, Ohio. Fluid control system. Re18,135; July 21.
Te Pas, Edmund J., Lakewood, assignor to The Cleveland Heater Company, Cleveland, Ohio. Nonflashing gas burner. 1,821,858; Sept. 1.
Teplitz, Abraham J. (See Langford, C. T., and Teplitz.)
Teplitz, Morris, assignor to Corona Conversion Corporation, Kansas City, Mo. Refining mineral oils. 1,801,213; Apr. 14.
Teppema, Jan, Akron, Ohio. Accelerator of vulcanization. 1,838,062; Dec. 22.
Teppema, Jan, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Accelerator of vulcanization. 1,792,780; Feb. 17.
Teppema, Jan, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Accelerator of vulcanization. 1,805,057; May 12.
Teppema, Jan, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Accelerator of vulcanization. 1,809,457; June 9.
Teppema, Jan, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Acceleration of vulcanization of rubber. 1,818,934; Aug. 11.
Teppema, Jan, and L. B. Sebrell, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Preparing thiazoles. 1,818,935; Aug. 11.
Teramoto, Kumatoshi, Kawabe-Gun, Hyogo-Ken, assignor to Nihon Densen Seizo Kabushiki Kaisha, Hyogo-Ken, Japan. Trolley wire. 1,834,659; Dec. 1.
Ter Horst, Willem P., Packanack Lake, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of rubber. 1,822,548; Sept. 8.
Ter Horst, William P., Nitro, W. Va., assignor to The Rubber Service Laboratories Co., Akron, Ohio. Manufacture of mercapto thiazol derivatives. 1,792,096; Feb. 10.
Ter Horst, William P., Packanack Lake, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of rubber. 1,807,355; May 26.
Ter Horst, William P., Packanack Lake, Wayne, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treatment of metallic surfaces. 1,836,050; Dec. 15.
Ter Horst, William P., assignor to The Elko Chemical Company, Nitro, W. Va. Manufacturing triaryl phosphates. 1,837,176; Dec. 15.
Terhune, Howard, assignor to Chambersburg Engineering Company, Chambersburg, Pa. Forging hammer. 1,807,455; May 26.
Terhune, Howard, assignor to Chambersburg Engineering Company, Chambersburg, Pa. Knock-off for board drop hammers and the like. 1,833,800; Nov. 24.
Terhune, Leonard B., Newark, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del. Bristle magazine for brush-making machines. 1,835,824; Dec. 8.
Terkelsen, Andrew. (See Derry, Jasper, assignor.)
Terman, Frederick E., Stanford University, Calif. Electric detector and frequency changing system. 1,812,066; June 30.
Terman, Frederick E., Stanford University, Calif. Coil construction. 1,816,448; July 28.
Terman, Frederick E., Stanford University, Calif. Inductance coil for radio frequencies. 1,825,105; Sept. 29.
Ternes, Raymond F., assignor to Morgan & Wright, Detroit, Mich. Apparatus for manufacturing tires. 1,796,169; Mar. 10.
"Terni" Societa per l'Industria e l'Elettricita. (See Fiorelli, Ferdinando, assignor.)
Ternstedt Manufacturing Company. (See Andersen, Andrew C., assignor.)
Ternstedt Manufacturing Company. (See Carlson, Eric S., assigner.)
Ternstedt Manufacturing Company. (See De Sana, Arthur J., assignor.)
Ternstedt Manufacturing Company. (See Edgar, F. M., and Flynn, assignors.)
Ternstedt Manufacturing Company. (See Field, Herbert C., assignor.)

Ternstedt Manufacturing Company. (See Flynn, John B., assignor.)
Ternstedt Manufacturing Company. (See McCullough, J. F. K., and Gilchrist, assignors.)
Ternstedt Manufacturing Co. (See Schnell, William, assignor.)
Ternstedt Manufacturing Company. (See Schnell, W., and Edgar, assignors.)
Ternstedt Manufacturing Company. (See Schnell, W., and Flynn, assignors.)
Ternstedt Manufacturing Company. (See Schnell, W., and Giuntini, assignors.)
Ternstedt Manufacturing Company. (See Schnell, W., and Lemm, assignors.)
Ternstedt Manufacturing Company. (See Shailor, Frank E., assignor.)
Ternstedt Manufacturing Company. (See Simpson, E. G., and Edgar, assignors.)
Terre Haute Boiler Work Company. (See Cliff, William H., assignor.)
Terre Haute Paper Company, The. (See Bishop, Benjamin M., assignor.)
Terrell, Harold C., and F. A. Kerkhoff, assignors to The Ohio Parts Company, Cincinnati, Ohio. Battery-terminal connection. 1,789,951; Jan. 20.
Terrell Machine Company, The. (See Linder, Willis W., assignor.)
Terrill, George R., McAlester, Okla. Lock. 1,814,646; July 14.
Terry, Charles M., assignor to A. W. Cash Company, Decatur, Ill. Regulating apparatus. 1,790,685; Feb. 3.
Terry, Charles M., assignor to A. W. Cash Company, Decatur, Ill. Nozzle. 1,795,807; Mar. 10.
Terry, Charles W., Detroit, Mich. Separator and spacer for storage batteries. 1,807,609; June 2.
Terry, Clark A., Glens Falls, N. Y., assignor to International Paper Company. Hydraulic turbine. 1,791,585; Feb. 10.
Terry, Edward F., jr., assignor to Gardner-Denver Company, Denver, Colo. Fluid-operated tool. 1,793,878; Feb. 24.
Terry, Edward F., jr., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Lubricator. 1,804,186; May 5.
Terry, Edward F., jr., assignor to Gardner-Denver Company, Denver, Colo. Drill mounting shell. 1,804,187; May 5.
Terry, Edward F., jr., assignor to Gardner-Denver, Company, Denver, Colo. Tool retainer. 1,821,732; Sept. 1.
Terry, Edward F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,837,735; Dec. 22.
Terry, Jimmy, deceased, Chicago, Ill.; Anna Ondrasina, administratrix, assignor of one-half to A. B. Dantella, Cadogan, Pa. Aeroplane control. 1,802,849; Apr. 28.
Terry, Joseph T., Los Angeles, Calif. Making tungsten carbide alloys. 1,792,943; Feb. 17.
Terry, Matson C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Refrigerator control mechanism. 1,814,013; July 14.
Terry, Matson C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Refrigerator. 1,819,528; Aug. 18.
Terry, Matson C., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Refrigerator. 1,830,626; Nov. 3.
Terry, Matson C., M. Kalischer, and T. A. Buckley, Mansfield, Ohio, assignors to Westinghouse Electric and Manufacturing Company. Refrigerating apparatus. 1,789,914; Jan. 20.
Terry, Michael V., assignor to A C Spark Plug Company, Flint, Mich. Instrument panel with spaced cushioning devices. 1,835,577; Dec. 8.
Terry, Robert. (See Simpson, F. M., and Terry.)
Terry, Roger V., Hilton Village, Va., assignor to Newport News Shipbuilding and Dry Dock Company. Adjustable seal for hydraulic turbine gates and the like. 1,817,654; Aug. 4.
Terry, Roy V., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Portable talking motion picture projector. 1,814,269; July 14.
Terry, Walter J., Seattle, Wash. Dental handpiece attachment sealer. 1,821,451; Sept. 1.
Tervo, Anna M., administratrix. (See Tervo, Oscar.)
Tervo, Oscar, deceased, Norway, Me.; A. M. Tervo, administratrix. Television scanning device. 1,791,481; Feb. 3.
Tervo, Oscar, Quincy, assignor to W. B. Mathewson, North Weymouth, Mass. Grease dispenser. 1,834,321; Dec. 1.
Terwilliger, Charles O., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Extracting zirconia from ores. 1,796,170; Mar. 10.
Terwilliger, Christopher C., Delanson, N. Y. Container for spraddled fowl. 1,795,186; Mar. 3.
Terzoli, Umberto, Rome, Italy. Tent. 1,808,693; June 2.
Tesch, Alexander O., Milwaukee, Wis. Carburetor. 1,808,386; June 2.
Tesche, Heinrich and A. Job, Elberfeld, near Cologne, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New nitroarylaminoanthraquinone compound. 1,821,040; Sept. 1.
Teschner, Bruno S., Plainfield, N. J., assignor to Teschner-Myers Co., Inc., New York, N. Y. Viscosimeter. 1,831,980; Nov. 17.
Teschner-Myers Co. (See Teschner, Bruno S., assignor.)
Tessky, Karl, Esslingen-on-the-Neckar, Germany. Friction clutch. 1,800,879; Apr. 14.
Test, Skiles E., Indianapolis, Ind. Traffic control system for multifloor garages. 1,823,008; Sept. 15.
Test, William H., Redondo Beach, Calif. Purifying pigment materials. 1,806,988; May 26.
Testa, Joseph A., assignor to F. P. Schneider, G. W. Peterson, and H. G. Peterson, St. Paul, Minn. Battery cable terminal. 1,820,584; Aug. 25.
Tetel, Paul E. (See Morgenstern, Ronald V., assignor.)
Testite Company, The. (See Cromwell, John C., assignor.)
Tetley, Maurice C., Syracuse, N. Y. Valve closure. 1,814,460; July 14.
Tetrault, Eusebe, Ludlow, Mass. Universal joint. 1,806,723; May 26.
Teubner, Wolfgang. (See Espig, H., and Teubner.)
Teufel, Konrad, Leverkusen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Electrolytic apparatus. 1,831,934; Nov. 17.
Teupel, Ernst, Dormagen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Alkyl-aralkyl-cellulose esters and making them. 1,833,270; Nov. 24.
Teusch, Heinrich, Essen, Germany. Removing the bitter taste from orange peels. 1,813.366; July 7.
Tevander, Swan N., Maywood, Ill., assignor to Swan Metallic Seal & Cap Company. Power machine for sealing caps to jars and cans. 1,824,384; Sept. 22.
Tevis, Robert, Jamaica, L. I., N. Y., assignor of six-tenths to E. B. Lapham, Hoboken, N. J. Printing telegraph receiver. 1,805,114; May 12.
Tew, Frederick S., Chevy Chase, Md. Badge. Des. 85,264; Sept. 29.
Tewksbury, Russell B., Euclid, assignor to The Oster Manufacturing Company, Cleveland, Ohio. Diestock. 1,794,806 Mar. 3.
Texaco Salt Products Company. (See Martin, Otto V., assignor.)
Texas Company, The. (See Adams, Joseph H., assignor.)
Texas Company, The. (See Andrews, T. M., and Lauer, assignors.)
Texas Company, The. (See Behimer, Otto, assignor.)
Texas Company, The. (See Bogart, Guy B., assignor.)
Texas Company, The. (See Claypoole, Walter, assignor.)
Texas Company, The. (See Cook, Leon W., assignor.)
Texas Company, The. (See Cramer, C. G., Meloney, and Urban, assignors.)
Texas Company, The. (See Dearborn, Richard J., assignor.)
Texas Company, The. (See Dearborn, R. J., and Gray, assignors.)
Texas Company, The. (See Dearborn, R. J., and Holmes, assignors.)
Texas Company, The. (See De Florez, Luis, assignor.)
Texas Company, The. (See Drake, Rollin L., assignor.)
Texas Company, The. (See Dudley, Andrew T., assignor.)
Texas Company, The. (See Earnest, Elisha T., assignor.)
Texas Company, The. (See Fairbairn, George C., assignor.)
Texas Company, The. (See Gardner, Thomas P., assignor.)
Texas Company, The. (See Hall, Frank W., assignor.)
Texas Company, The. (See Holmes, Will K., assignor.)
Texas Company, The. (See Jenkins, V. N., and Wilson, assignors.)
Texas Company, The. (See Logan, William B., assignor.)
Texas Company, The. (See Manley, Robert E., assignor.)
Texas Company, The. (See Manley, R. E., and Langworthy, assignors.)
Texas Company, The. (See Stratford, William M., assignor.)
Texas Company, The. (See Stryker, Daniel, assignor.)
Texas Company, The. (See Taveau, René de M., assignor.)
Texas Company, The. (See Titus, Leon, assignor.)
Texas Company, The. (See Watson, Claude W., assignor.)
Texas Company, The. (See Wolcott, Edson R., assignor.)
Texas Company, The. (See Youngblood, Frank P., assignor.)
Texas Iron Works Sales Corporation. (See Nixon, Jeddy D., assignor.)
Texas Iron Works Sales Corporation. (See Pearce, Louis M., assignor.)
Texas Iron Works Sales Corporation. (See Smith, Herbert E., assignor.)
Texas Pacific Coal and Oil Company. (See Baker, F. C., Fleckenstein, and Landman, assignors.)
Texas Pacific Coal & Oil Co. (See Lederer, Erwin R., assignor.)
Textileather Corporation. (See Lippmann, Julius D., assignor.)
Textile Finishing Machinery Co. (See Franklin, Stanley H., assignor.)
Textile-Finishing Machinery Company, The. (See Lane, Frank A., assignor.)
Textile-Finishing Machinery Company, The. (See Stelling, William A., assignor.)
Textile Machine-Service Corporation of America. (See Schaaff, Louis W., assignor.)
Textile Machine Works. (See Autem, Fred, assignor.)
Textile Machine Works. (See Bitzer, Gottlob, assignor.)
Textile Machine Works. (See Gastrich, Gustav, assignor.)
Textile Machine Works. (See Janssen, Henry, assignor.)

Textile Machine Works. (See Krissiep, Max, assignor.)
Textile Machine Works. (See Luhn, Hans P., assignor.)
Textile Machine Works. (See Meyer, Christian F., assignor.)
Textile Machine Works. (See Richter, Emil, assignor.)
Textile Machine Works. (See Struve, Frederick E., assignor.)
Textile Patents Corporation. (See Baader, Herman, assignor.)
Thacher, John J., Wethersfield, assignor to The Fuller Brush Company, Hartford, Conn. Feed regulator. 1,789,120; Jan. 13.
Thacher, John J., Wethersfield, assignor to The F. B. Shuster Company, New Haven, Conn. Burnishing device. 1,790,731; Feb. 3.
Thacher, John J., Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Treadle operated centering machine. 1,816,410; July 28.
Thacher, John J., Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Work positioning means for centering machines. 1,823,670; Sept. 15.
Thacher, Sheldon P., assignor to Morgan & Wright, Detroit, Mich. Tire. Des. 84,008; Apr. 21.
Thaden. Herbert V., Detroit. Mich., assignor to General Aviation Corporation, New York, N. Y. Aircraft sheet metal seam. 1,817,653; Aug. 4.
Thake, Henry G., Great Bend Township, Cottonwood County, Minn. Removable sign supporting device. 1,824,578; Sept. 22.
Thaler, Wilhelm, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Company, Incorporated, New York, N. Y. Apparatus and method for operating on pulp streams. 1,832,882; Nov. 24.
Thaler, Wilhelm, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Co., Inc., New York, N. Y. Beating engine for paper pulp and the like. 1,833,058; Nov. 24.
Thames Silk Company. (See Furman, Abraham P., assignor.)
Thamm, Gustav J. R., New York, N. Y. Vacuum cleaner brush. 1,823,071; Sept. 15.
Thamm, Gustav J. R., New York, N. Y. Vacuum cleaner attachment. 1,831,328; Nov. 10.
Thanet, Kent, Los Angeles, Calif. Spark plug. 1,815,423; July 21.
Tharp, Victor S., Elmhurst, assignor to Reserve Holding Company, Chicago, Ill. Toll service trunking system. 1,811,444; June 23.
Tharp, Victor S., Elmhurst, assignor to Reserve Holding Company, Chicago, Ill. Multioffice telephone system. 1,811,445; June 23.
Tharp, Victor S., Elmhurst, and T. F. Crocker, Chicago, Ill., assignors to Reserve Holding Company, Kansas City, Mo. Toll-trunking system. 1,792,452; Feb. 10.
Thatcher, Harry W., assignor to Draper Corporation, Hopedale, Mass. Cloth roll for looms. 1,803,286; Apr. 28.
Thatcher, Harry W., assignor to Draper Corporation, Hopedale, Mass. Shuttle box motion for looms. 1,827,272; Oct. 13.
Thatcher, Harry W., assignor to Draper Corporation, Hopedale, Mass. Shed forming mechanism for looms. 1,836,136; Dec. 15.
Thatcher, Linden A., Belleville, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Stenciling machine. 1,788,782; Jan. 13.
Thatcher, Linden A., Belleville, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Stenciling machine. 1,798,179; Mar. 31.
Thatcher, Linden A., Belleville, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,801,396; Apr. 21.
Thau, Markus, Brooklyn, N. Y. Noninflammable nitrocellulose lacquer. 1,793,726; Feb. 24.
Thau, Max F., Los Angeles, Calif. Razor. 1,832,155; Nov. 17.
Thau, Max F., Los Angeles, Calif. Cooker. 1,836,827; Dec. 15.
Thau, Walter E., South Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,821,332; Sept. 1.
Thau, Walter E., South Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,834,188; Dec. 1.
Thau, Walter E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,834,187; Dec. 1.
Thauss, Alfred. (See Doser, A., and Thauss.)
Thauss, Alfred. (See Doser, A., Mauthe, and Thauss.)
Thauss, Alfred, Deutz, near Cologne, and A. Günther, Cologne, Germany, assignors, by mesne assignments, to General Aniline Works, Inc., New York, N. Y. Sulphurized compound of phenol. Re17,940; Jan. 27.
Thauss, Alfred, Cologne-Deutz, and A. Dahl, Wiesdorf-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Stuffing of leather. 1,800,574; Apr. 14.
Thayer, Benjamain S. (See Holtchoff, Henry C., assignor.)
Thayer, Charles H., Mount Pleasant, N. C. Saw filer for cotton gins. 1,798,285; Mar. 31.
Thayer, Howard C., Jersey City, N. J., assignor to Bernitz Furnace Appliance Company, Boston, Mass. Furnace wall. 1,811,373; June 23.
Thayer, Leo C., Erie, and C. P. Harrison, Wesleyville, Pa. Battery terminal remover. 1,831,149; Nov. 10.
Thayer, Russell, Philadelphia, Pa. Aircraft. 1,806,316; May 19.
Thayer, William B., Columbus, Ga. Water heater. 1,791,983; Feb. 10.
Thearle, Ernest L., Schenectady, N. Y., assignor to General Electric Company. Balancing steam locomotives. 1,828,627; Oct. 20.
Thee, John W. (See Teichman, A. F., and Thee.)
Theel, William H., Chicago, Ill. Traffic marker. 1,816,502; July 28.
Theess, Henry, Los Angeles, Calif. Brush. 1,811,192; June 23.
Theile, George I., assignor, by mesne assignments, to General Machinery Corporation, Hamilton, Ohio. Grinding apparatus. 1,788,783; Jan. 13.
Theis, Hermann, Wolzbausen, Germany. Geodetic instrument with pendulum arrangement. 1,836,137; Dec. 15.
Theis, John J., jr. (See Lopez, Nicolas A., assignor.)
Theis, Michael C. (See Ryan, Robert G., assignor.)
Thelen, Hjalmer E. (See Hollman, P. I., and Thelen.)
Theler, Frederick J., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,814,350; July 14.
Theler, Frederick J., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,814,351; July 14.
Thelin, Gunnar E. (See Mortenson, O. W., and Thelin.)
Thelma Carburator Company, Societe Anonyme. (See Melkman, Saül E., assignor.)
Theodoropulos, Aristede A., New York, N. Y. Combined umbrella holder and purse. 1,792,129; Feb. 10.
Thermal Engineering Corporation. (See Longyear, Frank H., assignor.)
Thermal Syndicate Limited. (See Sample, Leslie, assignor.)
Thermatomic Carbon Company. (See Boardman, Clark C., assignor.)
Thermatomic Carbon Company. (See Spear, E. B., and Moore, assignors.)
Thermo Industries, Inc. (See Nolan, Frank J., assignor.)
Thermo Process Company, The. (See Robertson, Isaac W., assignor.)
Thermo Service Co. Inc., The. (See Alaj, Antoine L., assignor.)
Thermoid Rubber Company. (See Ogren, Carl F., assignor.)
Thermoid Rubber Company. (See Stokes, Robert J., assignor.)
Thermostove Corporation, Ltd. (See Burt, Elmer J., assignor.)
Therrien, Arthur J., Northbrook, assignor to National Brick Company, Chicago, Ill. Brick kiln and method of burning. 1,790,882; Feb. 3.
Théry, René V. S., St. Nazaire, assignor to Compagnie de Fives-Lille, Paris, France. Water tube boiler. 1,829,119; Oct. 27.
Theumann, Max J., Lyon, France, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Coloring cellulose esters and ethers. 1,789,121; Jan. 13.
Theumann, Max J., Lyon, France, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Coloring cellulose esters and ethers. 1,789,122; Jan. 13.
Theumann, Max J., Lyon, France, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Manufacturing celluloid-like masses. 1,818,108; Aug. 11.
Thévenot, Gaston D., New York, N. Y. Surgical appliance. 1,835,122; Dec. 8.
Thew Shovel Company, The. (See Barbour, H. C., and Zeilman, assignors.)
Thew Shovel Company, The. (See Scott, Harry E., assignor.)
Thew, Wilton, London, England. Apparatus for delivering electric impulses from a source of curret supply. 1,837,140; Dec. 15.
Thewes, William O., North Ridgeville, Ohio. Pipe cutter. 1,833,980; Dec. 1.
Thewes, William O., assignor to The Ridge Tool Company, North Ridgeville, Ohio. Vise stand. 1,798,340; Mar. 31.
Theys, Henry S., and L. Horowitz, Brooklyn, N. Y. Fastening means. 1,827,050; Oct. 13.
Thibault, Adelbert, assignor of one-third to J. B. Fortin, and one-third to M. Bonin, New Bedford, Mass. Hedge trimmer. 1,787,802; Jan. 6.
Thibault, Alphonse J., Harrison, Idaho. Burglar trap. 1,807,944; June 2.
Thibeault, Joseph H., Ware, Mass. Oil valve drain. 1,804,960; May 12.
Thibodeau, Ralph W., Quincy, Mass. Glare deflector. 1,821,733; Sept. 1.
Thiel, August A. (See Bohannon, Robert L., assignor.)
Thiel, Emil. (See Dachlauer, K., and Thiel.)
Thiel, Emil E. (See Noell, E. F., and Thiel.)
Thiel, Emil E., assignor to The Printing Machinery Company, Cincinnati, Ohio. Printer's registering device. 1,789,028; Jan. 13.
Thiele, Ernest W., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Centrifugal separator. 1,817,593; Aug. 4.

Thiele, Ernest W., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Coking petroleum residues from the distillation of petroleum oils. 1,825,374; Sept. 29.

Thiele, Ernest W., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Apparatus for coking liquid petroleum residues. 1,825,375; Sept. 29.

Thiele, Hans, Berlin-Friedenau, Germany. Cock. 1,826,330; Oct. 6.

Thiele, Max. (See Kranzlein, G., Greune, Thiele, and Hager.)

Thiem, Eugene T., assignor to Bates Valve Bag Corporation, Chicago, Ill. Apparatus for feeding bags. 1,790,686; Feb. 3.

Thiem, Eugene T., Chicago, Ill., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Method and apparatus for forming valves in bags. 1,834,189; Dec. 1.

Thiemann, William B., Albert City, Iowa. Ensilage harvester. 1,794,654; Mar. 3.

Thiemann, William B., Albert City, Iowa. Delivery chute for grain elevators. 1,798,231; Mar. 31.

Thieman, William B., Albert City, Iowa. Truck and power attachment for internal combustion engines. 1,802,588; Apr. 28.

Thiemann, William B., Albert City, Iowa. Combined fan and governor for internal combustion engines. 1,809,152; June 9.

Thieman, William B., Albert City, Iowa. End gate for wagon boxes. 1,829,169; Oct. 27.

Thieme, Otto, Hartford, Conn., assignor to Elliott-Fisher Company, New York, N. Y. Combined typewriter and computing machine. 1,836,560; Dec. 15.

Thieme, Paul, Berlin-Waidmannslust, Germany, assignor to General Electric Company. Circuit protective device. 1,830,573; Nov. 3.

Thier, Frederick J., Detroit, Mich. Beet blocker and cultivator. 1,831,329; Nov. 10.

Thierbach, Dietwalt, Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Rectifier relay circuits. 1,823,072; Sept. 15.

Thierry, Herman A., Detroit, Mich. Floor pad. 1,835,825; Dec. 8.

Thies, Fritz, Hellerau, near Dresden, Germany. Mercerization of piece goods. 1,807,762; June 2.

Thies, Samuel, assignor to the Cincinnati Advertising Products Company, Cincinnati, Ohio. Luminous globe. 1,826,842; Oct. 13.

Thies, Urban C., Dayton, assignor, by mesne assignments, to The Globe-Wernicke Company, Cincinnati, Ohio. Door and door-way. 1,822,251; Sept. 8.

Thies, Urban C., Dayton, assignor, by mesne assignments, to The Globe-Wernicke Company, Cincinnati, Ohio. Knock-down furniture structure. 1,824,243; Sept. 22.

Thiesen, Rudolph J., Atlanta, Ga. Button. 1,794,330; Feb. 24.

Thiess, Karl, T. Meissner, and H. Heyne, Frankfort-on-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the indigo series. 1,792,130; Feb. 10.

Thiess, Karl, and B. Deicke, Frankfort-on-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Cyclohexyl amine condensation products. 1,836,295; Dec. 15.

Thiess, Karl, and Theodore Meissner, Frankfort-on-the-Main-Hochst, and W. Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs. 1,809,224; June 9.

Thiess, Karl, and T. Meissner, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Indigoid vat dyestuffs and process of preparing them. 1,830,861; Nov. 10.

Thigpen, Rembert H., Jerome, Ariz. Surgical splint. 1,837,691; Dec. 22.

Thilo, Günther, Friedenau, near Berlin, Germany, assignor to Erich F. Huth, G. m. b. H., Berlin, Germany. Generating oscillations. 1,792,781; Feb. 17.

Thing, Frederick A., Oakland, assignor to Chas. M. Bailey Co., San Francisco, Calif. Radiator hanger. 1,806,924; May 26.

Third Dimension Pictures, Inc. (See Burkhardt, Jakob, assignor.)

Thiriet, André, assignor to Papeteries Navarre, Lyon, France. Treatment of cellulose materials. 1,829,378; Oct. 27.

Thirring, Hans, assignor to "Selenophon" Licht- und Tonbildgesellschaft m. b. H., Vienna, Austria. Selenium cell. 1,790,850; Feb. 3.

Thirring, Hans, assignor to "Selenophon" Licht- und Tonbildgesellschaft m. b. H., Vienna, Austria. Light valve. 1,791,389; Feb. 3.

Thiry, Léon, Huy, Belgium. Manufacture of elastic joints and supports. 1,803,491; May 5.

Thiry, Leon, Brussels, Belgium. Automatic pistol. 1,805,383; May 12.

Thiry, Leon, Huy, Belgium. Method of and apparatus for producing flexible bearing blocks. 1,830,814; Nov. 10.

Thiry, Leon, Huy, Belgium. Universal joint. 1,838,794; Dec. 29.

Thode, William N., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for casting. 1,823,671; Sept. 15.

Thoen, Lowell H., Stockton, assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Land vehicle. 1,822,178; Sept. 8.

Thoen, Lowell H., Stockton, assignor to Caterpillar Tractor Co., San Leandro, Calif. Pick up construction. 1,830,299; Nov. 3.

Thoen, Lowell H., Stockton, assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Thrasher. 1,831,208; Nov. 10.

Thoke, Albert, assignor to D. L. Clark Company, Pittsburgh, Pa. Coin controlled vending machine. 1,809,001; June 9.

Thoke. Albert R., and W. H. Francis, Pittsburgh, Pa. Steam trap. 1,838,719; Dec. 29.

Thom, Michael C., Carey, Ohio. Fence bracket. 1,800,116; Apr. 7.

Thom, Michael C., Carey, Ohio. Fence and post anchor. 1,821,125; Sept. 1.

Thoma, Andrew, Cambridge, assignor to North American Chemical Company, Boston, Mass. Shoe-bottom filler piece. 1,793,340; Feb. 17.

Thoma, Andrew, Cambridge, Mass., assignor, to North American Chemical Company, Boston, Mass. Shoe-bottom filler. 1,796,670; Mar. 17.

Thoma, Andrew, Cambridge, Mass., assignor to North American Chemical Company, Boston, Mass. Bottoming shoes. 1,796,671; Mar. 17.

Thoma, Andrew, Cambridge, assignor to North American Chemical Company, Boston, Mass. Sheetlike shoe filler. 1,801,463; Apr. 21.

Thoma, Andrew, Cambridge, assignor to North American Chemical Company, Boston, Mass. Shoe filler coating apparatus. 1,803,951; May 5.

Thoma, Andrew, Cambridge, assignor to North American Chemical Company, Boston, Mass. Filling shoe-bottom cavities. 1,818,827; Aug. 11.

Thoma, Andrew, Cambridge, assignor to North American Chemical Company, Boston, Mass. Antisqueak material for shoes. 1,831,269; Nov. 10.

Thoma, Corallie D., New York, N. Y. Form for washing and drying gloves. 1,805,709; May 19.

Thoma, Erwin. (See Fritzky, W., and Thoma.)

Thoma, Erwin. (See Heyna, H., and Thoma.)

Thoma, Meinrad F., Fitchburg, Mass. Opening and preparing artificial staple fibers. 1,799,399; Apr. 7.

Thomae, George E. (See Pierson, C. W. Fitzgerald, and Thomae.)

Thomas, A. I., Furnace Company. (See Thomas, Warren R., assignor.)

Thomas, Adolph A., New York, N. Y. Amplifying electric impulses. 1,788,553; Jan. 13.

Thomas, Adolph A., New York, N. Y. Electric thermostat. 1,789,608; Jan. 20.

Thomas, Adolph A., New York, N. Y. Loud-speaker. 1,790,120; Jan. 27.

Thomas, Adolph A., New York, N. Y. Electromagnetic acoustic device. 1,791,542; Feb. 10.

Thomas, Adolph A., New York, N. Y. Electromagnetic instrument. 1,792,554; Feb. 17.

Thomas, Adolph A., New York, N. Y. Electromagnetic transmitter and receiver. 1,793,568; Feb. 24.

Thomas, Adolph A., New York, N. Y. Thermostat. 1,795,907; Mar. 10.

Thomas, Adolph A., New York, N. Y. Electric thermostat. 1,797,886; Mar. 24.

Thomas, Adolph A., New York, N. Y. Thermostat. 1,803,982; May 5.

Thomas, Adolph A., New York, N. Y. Electromagnetic instrument. 1,804,961; May 12.

Thomas, Adolph A., New York, N. Y. Electric phonograph. 1,806,374; May 19.

Thomas, Adolph A., New York, N. Y. Automobile bumper. 1,807,640; June 2.

Thomas, Adolph A., New York, N. Y. Automobile bumper. 1,810,502; June 16.

Thomas, Adolph A., New York, N. Y. Vehicle bumper. 1,811,569; June 23.

Thomas, Adolph A., New York, N. Y. Automobile bumper. 1,812,417; June 30.

Thomas, Adolph A., New York, N. Y. Automobile bumper. 1,813,517; July 7.

Thomas, Adolph A., New York, N. Y. Phonograph. 1,813,972; July 14.

Thomas, Adolph A., New York, N. Y. Thermostat. 1,822,069; Sept. 8.

Thomas, Adolph A., New York, N. Y. Supporting structure. 1,826,843; Oct. 13.

Thomas, Adolph A., New York, N. Y. Recording and reproducing system and apparatus. 1,827,051; Oct. 13.

Thomas, Adolph A., New York, N. Y. Safety door. 1,829,312; Oct. 27.

Thomas, Adolph A., New York, N. Y. Self-sealing cap for containers. 1,832,669; Nov. 17.

Thomas, Adolph A., New York, N. Y. Electrostatic loud speaker. 1,839,130; Dec. 29.

Thomas, Adolph A., New York, N. Y., assignor to United Reproducers Corporation. Loud speaker. 1,819,210; Aug. 18.

Thomas, Adolph A., assignor to Wired Radio, Inc., New York, N. Y. Piezo-electric translating device. 1,831,829; Nov. 17.

Thomas, Albert L., South Bend, Ind. License tag. 1,818,020; Aug. 11.

Thomas, Albin A., York, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Chain fastener. 1,816,941; Aug. 4.
Thomas, Alvin J., San Francisco, Calif. Water heater. 1,833,504; Nov. 24.
Thomas, André, assignor to L. Thomas, Paris, France. Fastening device. 1,806,005; May 19.
Thomas, Arthur, Thornton Heath, assignor to The Accounting & Tabulating Corporation, Great Britain, Limited, London, England. Punching machine. 1,788,694; Jan. 13.
Thomas, Arthur, Thornton Heath, assignor to The Accounting & Tabulating Corporation of Great Britain, Limited, London, England. Ribbon feeding mechanism. 1,812,251; June 30.
Thomas, Arthur C., assignor, by mesne assignments, to Stroud Road Machinery Co., Omaha, Nebr. Belt-cleaning mechanism. 1,791,482; Feb. 3.
Thomas, Arthur E. C., San Bruno, Calif. Aeroplane wing construction. 1,822,179; Sept. 8.
Thomas, Arthur F. (See McNolty, George H., assignor.)
Thomas, Arvine N., Canton, Ohio. Adjustable seat. 1,821,247; Sept. 1.
Thomas, Arvine N., Canton, Ohio. Adjustable seat. 1,838,199; Dec. 29.
Thomas, Avila O., assignor to The Structural Concrete Units Corporation, Detroit, Mich. Unit wall construction. 1,811,161; June 23.
Thomas, B. A., et al. (See Mitchell, Charles G., assignor.)
Thomas & Betts Co., The. (See Buchanan, Stephen N., assignor.)
Thomas & Betts Co., The. (See Church, Lewis H., assignor.)
Thomas & Betts Co., The. (See Ledbetter, James C., assignor.)
Thomas & Betts Co., The. (See Thomas, George C., jr., assignor.)
Thomas & Betts Co., The. (See Yanchenko, Basil J., assignor.)
Thomas, Cecil O., Montreal, Quebec, Canada. Flexible coupling. 1,827,176; Oct. 13.
Thomas, Charles A. (See Midgley, T., jr., Thomas, and Hochwalt.)
Thomas, Charles A., assignor to Thomas and Hochwalt Laboratories, Inc., Dayton, Ohio. Internal combustion engine. 1,810,193; June 16.
Thomas, Charles A., and C. A. Hochwalt, assignors, by mesne assignments, to Dayton Synthetic Chemicals, Inc., Dayton, Ohio. Prepared resin. 1,836,629; Dec. 15.
Thomas, Charles C., Detroit, Mich., assignor to Copeland Products, Inc. Refrigerating mechanism. 1,807,354; May 26.
Thomas, Charles S., San Diego, Calif. Brace chuck. 1,808,940; June 9.
Thomas, Chester A., assignor to Babson Manufacturing Corporation, Chicago, Ill. Hen house. Des. 83,707; Mar. 17.
Thomas, Claud F., Nashville, Tenn. Self-adjusting metallic gland packing. 1,826,967; Oct. 13.
Thomas, Cyril, Yeadon, assignor to The J. G. Brill Company, Philadelphia, Pa. Injecting means for internal combustion motors or for Diesel engines. 1,826,535; Oct. 6.
Thomas, David W., Youngstown, assignor to The Niles Steel Products Company, Niles, Ohio. Steering wheel. 1,808,440; June 2.
Thomas, David W., Youngstown, assignor to The Niles Steel Products Company, Niles, Ohio. Closure for cylindrical members. 1,837,345; Dec. 22.
Thomas, Edward, New York, N. Y. Composition and producing and using it. 1,825,834; Oct. 6.
Thomas, Edward, New York, N. Y. Coated and moldable material. 1,836,346; Dec. 15.
Thomas, Edward G., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing and counting scale. 1,790,883; Feb. 3.
Thomas, Edward G., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Counting scale. 1,806,132; May 19.
Thomas, Edward G., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 1,822,549; Sept. 8.
Thomas Elevator Company. (See Wilson, Alexander H., assignor.)
Thomas, Elza E. (See Klockner, J., and Thomas.)
Thomas, Ernest B., North Manchester, Ind. Vehicle signal. 1,814,233; July 14.
Thomas, Eugen, and R. Stuhr, Dusseldorf, Germany. Internal combustion engine. 1,813,781; July 7.
Thomas, Felix. (See Bryce, J. W., and Thomas.)
Thomas, Floyd H. (See Smith, W. A., sr., and Thomas.)
Thomas, Frank B., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor-discharge valve. 1,797,453; Mar. 24.
Thomas, Frank B., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake. 1,801,823; Apr. 21.
Thomas, Frank B., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car equipment. 1,805,645; May 19.
Thomas, Frank B., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Valve controlling device. 1,810,540; June 16.
Thomas, Frank B., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake and door interlock. 1,832,883; Nov. 24.
Thomas, Frank M., Easton, Pa. Magnetic drive for centrifugal casting machines. 1,805,961; May 19.
Thomas, Frank M., Easton, Pa. Pipe joint. 1,805,962; May 19.
Thomas, Frederick R. L., assignor to Monadnock Mills, Claremont, N. H. Blister-ornamented woven fabric. 1,792,453; Feb. 10.
Thomas, Friedrich, Gross-Salze, Germany. Production of trinitrotoluene. 1,814,980; July 14.
Thomas, George, Rahway, N. J. Safety device for gas burners and the like. 1,824,696; Sept. 22.
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,789,915; Jan. 20.
Thomas, George C., jr, assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,793,879; Feb. 24.
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,793,880; Feb. 24.
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,793,881; Feb. 24.
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Box and support. 1,800,484; Apr. 14.
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Outlet box attachment means. 1,808,326; June 2.
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,816,664; July 28.
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,816,665; July 28.
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,816,666; July 28.
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,833,956; Dec. 1.
Thomas, George D. (See Miller, D. M., and Thomas.)
Thomas, George E. and L. S., Long Beach, Calif. Crank case oil gauge. 1,837,240; Dec. 22.
Thomas, George F., Berwyn, assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,797,277; Mar. 24.
Thomas, George G., Hillside, Ariz., assignor to American Cyanamid Company, New York, N. Y. Flotation of metals. 1,802,989; Apr. 28.
Thomas, George G., Elizabeth, and L. J. Christmann, Jersey City, N. J., assignors to American Cyanamid Company, New York, N. Y. Method of flotation. 1,833,957; Dec. 1.
Thomas, George H., Erie, assignor to American Sterilizer Company, Erie, Pa. Floating reamer holder. 1,810,503; June 16.
Thomas, George J., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,801,397; Apr. 21.
Thomas, George J., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Drilling machine. 1,835,539; Dec. 8.
Thomas, George N., Mankato, Minn. Minnow bucket. 1,788,255; Jan. 6.
Thomas, George W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Building construction. 1,803,514; May 5.
Thomas, Harold E. (See Dutton, Orlie W., assignor.)
Thomas, Harold S. (See Skeen, W. O., McCullough, and Thomas.)
Thomas, Henry. (See Pew, A. E., jr., and Thomas.)
Thomas, Henry, Ridley Park, assignor to Sun Oil Company, Philadelphia, Pa. Tube still for oil distillation and cracking. 1,788,213; Jan. 6.
Thomas, Henry, Ridley Park, assignor to Sun Oil Company, Philadelphia, Pa. Tube still furnace. 1,821,531; Sept. 1.
Thomas, Henry, East Ham, London, England, assignor to U. S. Slicing Machine Company, La Porte, Ind. Electrically driven slicing machine. 1,801,649; Apr. 21.
Thomas, Herbert, Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Treating glass apparatus. 1,818,175; Aug. 11.
Thomas and Hochwalt Laboratories, Inc. (See Thomas, Charles A., assignor.)
Thomas, Horace T., Lansing, Mich. Lock-operating mechanism. 1,787,803; Jan. 6.
Thomas, Horace T., Lansing, Mich. Self adjusting valve gearing. 1,806,099; May 19.
Thomas, Horace T., assignor to Reo Motor Car Company, Lansing, Mich. Windshield-ventilator adjustment mechanism. 1,797,595; Mar. 24.
Thomas, Howard J., Brooklyn, N. Y. Set of playing cards. Des. 85,265; Sept. 29.
Thomas, Idris, Whittier, Calif. Casing spear. 1,825,026; Sept. 29.
Thomas, Idris, Whittier, and E. I. Tibbet, Huntington Park, Calif. Fishing tool. 1,825,025; Sept. 29.
Thomas, Jack L. (See Bailey, H. H., and Thomas.)
Thomas, James. (See Messler, E. L., and Thomas.)

Thomas, James, assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Method of and machine for threading carriers. 1,789,537; Jan. 20.
Thomas, Jesse F. (See Brown, C. R., and Thomas.)
Thomas, John. (See Beckett, E. G., and Thomas.)
Thomas, John. (See Beckett, E. G., Harris, Wylam, and Thomas.)
Thomas, John. (See Drescher, H. A. E., Harris, Wylam, and Thomas.)
Thomas, John. (See Drescher, H. A. E., Smith, and Thomas.)
Thomas, John. (See Smith, W., and Thomas.)
Thomas, John. (See Thomson, R. F., and Thomas.)
Thomas, John. (See Wilson, J. S., Shearer, and Thomas.)
Thomas, John. (See Woodcock, W. G., Drescher, Beckett, and Thomas.)
Thomas, John, assignor to Scottish Dyes, Limited, Grangemouth, Scotland. Production of anthraquinone sulphonic acids. 1,790,448; Jan. 27.
Thomas, John, assignor to Scottish Dyes, Limited, Carlisle, England. Preparing 2-chlor-anthraquinone. 1,812,274; June 30.
Thomas, John H. (See Sersen, Fred J., assignor.)
Thomas, John P., jr. (See Irish, Rush W., assignor.)
Thomas, Joseph, and A. J. Flanigan, assignors of one-third to L. F. McGrath, Pittsburgh, Pa. Fluid pressure device. 1,837,598; Dec. 22.
Thomas, Joseph L. M., Morez du Jura, France. Apparatus for reducing to fine powder various materials and products such as enamels. 1,810,800; June 16.
Thomas, Joseph R., Fort Madison, Iowa, assignor of one-half to The Rome Company, Inc. Convertible furniture. 1,821,126; Sept. 1.
Thomas, Laurence H. (See Kuhn, F., and Thomas.)
Thomas, Leslie J., Arlington Heights, assignor to Mrs. V. C. Batchelder, Arlington, Mass. Piston ring. 1,828,209; Oct. 20.
Thomas, Lewis J., and A. Riddle, Ekron, Ky. Smoking pipe. 1,807,260; May 26.
Thomas, Lloyd S. (See Thomas, G. E. and L. S.)
Thomas, Louise. (See Thomas, André, assignor.)
Thomas, Lucy C. (See Ament, Lucy C., assignor.)
Thomas, Ludwig. (See Elod, E., and Thomas.)
Thomas, Mable M., executrix. (See Thomas, Thomas H.)
Thomas, Norman M., Brooklyn, assignor to The Solid Carbonic Company Ltd., New York, N. Y. Apparatus for making carbon dioxide ice. 1,814,195; July 14.
Thomas, Norman M., Brooklyn, N. Y., assignor to The Popsicle Service, Inc., Chicago, Ill. Multiple freezing mold. 1,831,047; Nov. 10.
Thomas, Owen W., assignor to Puffer-Hubbard Manufacturing Co., Minneapolis, Minn. Box. 1,809,917; June 16.
Thomas, Pacific J., Wyoming, assignor to U. S. Textile Machine Company, Scranton, Pa. High speed reeling machine. 1,822,790; Sept. 8.
Thomas, Paul C., Scranton, Pa. Calendar pad. 1,829,688; Oct. 27.
Thomas, Phillips, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oscillation generator. 1,788,131; Jan. 6.
Thomas, Phillips, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser-bushing voltage control. 1,810,063; June 16.
Thomas, Ralph B., Cleveland, Ohio, assignor to General Electric Company. Base for electric lamps and similar articles. 1,832,751; Nov. 17.
Thomas, Robert B., Napa, Calif. Water heater. 1,837,597; Dec. 22.
Thomas, Rosswell W., assignor to Phillips Petroleum Company, Bartlesville, Okla. Constant-proportioning gas-mixing apparatus. 1,798,232; Mar. 31.
Thomas, Rosswell W., Detroit, Mich., assignor to Phillips Petroleum Company, Bartlesville, Okla. Windlass. 1,834,480; Dec. 1.
Thomas, Sherman A., Rochester, N. Y. Hat support. 1,837,692; Dec. 22.
Thomas, Stanley P., Merced, Calif. High pressure relief valve. 1,804,897; May 12.
Thomas, Stanley P., Merced, Calif. Adjustable and reversible propeller. 1,832,335; Nov. 17.
Thomas, Sydney E. (See Quick, W., Thomas, and Berwick.)
Thomas, Thomas H., deceased, late of Edgewood, by M. M. Thomas, executrix, Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,789,934; Jan. 20.
Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric signal system. 1,790,180; Jan. 27.
Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,797,454; Mar. 24.
Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake pressure regulator. 1,801,824; Apr. 21.
Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake pipe cut off valve. 1,805,646; May 19.
Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train pipe coupling. 1,805,647; May 19.
Thomas, Thomas H., deceased, M. M. Thomas, executrix, Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake release device. 1,810,541; June 16.
Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic coupling. 1,813,211; July 7.
Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic coupling. 1,813,212; July 7.
Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic train control. 1,824,059; Sept. 22.
Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 1,832,920; Nov. 24.
Thomas, Thomas H., deceased; M. M. Thomas, executrix, Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Signal and brake system. 1,832,921; Nov. 24.
Thomas, Thomas H., deceased; M. M. Thomas, executrix, Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car equipment. 1,832,922; Nov. 24.
Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric signal system. 1,837,378; Dec. 22.
Thomas, Thomas H., Edgewood, and U. A. Whitaker, assignors to Westinghouse Air Brake Company, Wilmerding, Pa. Valve mechanism for automatic train pipe couplings. 1,824,060; Sept. 22.
Thomas, Thomas L., assignor to The Youngstown Foundry & Machine Company, Youngstown, Ohio. Machine for roller leveling and stretching steel sheets. 1,811,599; June 23.
Thomas, Warren R., assignor to A. I. Thomas Furnace Company, McMinnville, Oreg. Sawdust furnace grate. 1,831,048; Nov. 10.
Thomas, Wayne B., Youngstown, and V. L. Sprague, Warren, assignors to The Niles Steel Products Company, Niles, Ohio. Pipe closure. 1,837,346; Dec. 22.
Thomas, William, Bogota, N. J., assignor to Pneumercator Company, Brooklyn, N. Y. Check valve for column indicators. 1,832,266; Nov. 17.
Thomas, William D., Lynnfield, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe turning machine. 1,830,627; Nov. 3.
Thomas, William M., Indianapolis, Ind. Power mechanism. 1,806,133; May 19.
Thomas, William N., assignor to Sargent & Company, New Haven, Conn. Door knob or the like. Des. 85,559; Nov. 10.
Thomases, Isidor, Woodhaven, N. Y. Umbrella. 1,795,268; Mar. 3.
Thomes, Albert F., Jacksonville, Fla. Variable pitch propeller. 1,833,059; Nov. 24.
Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Heat-treating apparatus for canned goods. 1,789,609; Jan. 20.
Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Transferring cans between heat treating chambers. 1,802,850; Apr. 28.
Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Combined cooker and cooler can transfer means—nonagitating type. 1,818,109; Aug. 11.
Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Combined cooker and cooler. 1,818,110; Aug. 11.
Thompson, Albert R., San Jose, assignor to Pacific Machinery Company, San Francisco, Calif. Fruit pitting machine. 1,822,180; Sept. 8.
Thompson, Albert R., San Jose, assignor to Pacific Machinery Company, San Francisco, Calif. Fruit pitting apparatus. 1,825,835; Oct. 6.
Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Exhaust box. 1,831,330; Nov. 10.
Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Leak detector for cans in cartridges. 1,832,062; Nov. 17.
Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Exhaust box. 1,837,502; Dec. 22.
Thompson, Albert W., Lowell, Mass. Pouring attachment for bottles. 1,820,406; Aug. 25.
Thompson, Alfred H., Los Angeles, Calif. Fuel regulator. 1,804,849; May 12.
Thompson, Alfred L., Woodbourne, Pa. Poultry fountain. 1,796,672; Mar. 17.
Thompson, Alfred P. (See Benner, R. C., and Thompson.)
Thompson, Allison J., Cleveland, Ohio. Clamp. 1,795,808; Mar. 10.
Thompson, Allison J., Cleveland, Ohio. Shock absorber for lighting units. 1,802,589; Apr. 28.
Thompson, Allison J., Cleveland, Ohio. Lamp hanger structure. 1,819,529; Aug. 18.
Thompson, Andrew C., Porterville, Calif. Cattle holding and dehorning gate. 1,799,073; Mar. 31.
Thompson, Arthur W., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer grounding device. 1,832,670; Nov. 17.

Thompson, Arthur W., and W. M. Dann, Sharon, Pa., assignors to Westinghouse Electric and Manufacturing Company. Transformer bracing structure. 1,832,671; Nov. 17.
Thompson, Augustus H., Addiston, Mich. Morgue-table drainage top. 1,796,493; Mar. 17.
Thompson, Benjamin H., Ardara, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Steam driven fluid compressor. 1,816,098; July 28.
Thompson, Bennie E., Lakeview, Stillwater, Minn. Portable sawing machine. 1,822,116; Sept. 8.
Thompson, Beriah M., Cheyenne, Wyo. Cleaning boilers. 1,812,275; June 30.
Thompson, Beriah M., Cheyenne, Wyo. Apparatus for cleaning boilers. 1,815,993; July 28.
Thompson, Browder J., Schenectady, N. Y., assignor to General Electric Company. Amplifying apparatus. 1,791,435; Feb. 3.
Thompson, Campbell G. (See Bickford, Percy D., assignor.)
Thompson, Carl A., Harvard, Ill. Scaffold. 1,808,082; June 2.
Thompson, Charles, et al. (See Haysel, Arthur R., assignor.)
Thompson, Charles, New York, N. Y. Mechanical animals. 1,836,203; Dec. 15.
Thompson, Charles and G. K. (See Haysel, Arthur R.)
Thompson, Charles B., Seattle, Wash. Sand elevator. 1,833,341; Nov. 24.
Thompson, Charles D., Walkerville, Ontario, Canada. Juvenile vehicle accessory. 1,818,658; Aug. 11.
Thompson, Charles S., Park Ridge, assignor to Union Special Machine Company, Chicago, Ill. Filled-bag-closing machine. 1,796,494; Mar. 17.
Thompson, Charles S., and W. B. Long, assignors to Union Special Machine Company, Chicago, Ill. Filled-bag-closing machine. 1,788,900; Jan. 13.
Thompson, Charles S., Park Ridge, and W. B. Long, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,789,202; Jan. 13.
Thompson, Charles W., Wallaston, assignor to H. C. Wheeler, Boston, Mass. Towel holder. 1,809,918; June 16.
Thompson, Chester A., Barre, Vt., assignor to Vermont Marble Company, Proctor, Vt. Monument. Des. 84,768; July 28.
Thompson, Clair H., Los Angeles, Calif. Rack for handling locomotive cabs. 1,816,350; July 28.
Thompson, Clair H., Los Angeles, Calif. Lift truck skid. 1,838,795; Dec. 29.
Thompson, Clarence W., Wilmington, Del. Casing for hydraulic shock absorbers. 1,794,807; Mar. 3.
Thompson, Claude S., assignor to Thompson Manufacturing Co., Seattle, Wash. Fire extinguisher. 1,813,367; July 7.
Thompson, Earl A., Portland, Oreg. Transmission. 1,827,960; Oct. 20.
Thompson, Earl A., Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich. Transmission. 1,826,682; Oct. 6.
Thompson, Early G., assignor of forty-nine one-hundredths to E. M. Blacksher, Brewton, Ala. Roller skate. 1,812,383; June 30.
Thompson, Edgar J., Montreal, Quebec, and R. H. Hubler, Sherbrooke, Quebec, assignors to Canadian Silk Products Limited, Sherbrooke, Canada. Apparatus for knitting full fashioned hosiery. 1,805,893; May 19.
Thompson, Edgar S., Springfield, Ohio. Electroplating machine. 1,790,289; Jan. 27.
Thompson, Edward P., Cresco, Iowa. Road map holder. 1,834,260; Dec. 1.
Thompson, Edwin I., Fort Worth, Tex. Folding seat for stadiums and the like. 1,814,497; July 14.
Thompson, Egbert H., Jacksonville, Fla. Blotter. 1,792,405; Feb. 10.
Thompson, Elmer B., Des Moines, Iowa. Apparatus for extracting water from clothes and the like. 1,803,412; May 5.
Thompson, Ermine J. (See Hampton, W. O., and Thompson.)
Thompson, Ernest H., Evanston, Ill. Piston for gasoline meters and the like. 1,799,875; Apr. 7.
Thompson, Ernest H., Evanston, Ill. Electric switch for metering devices. 1,808,387; June 2.
Thompson, Estelle F., Chicago, Ill. Foldable box. 1,823,710; Sept. 15.
Thompson, Eugene C., Los Angeles, Calif. Compensating winding mechanism for devices using rolls. 1,800,808; Apr. 14.
Thompson, Eugene C., Los Angeles, Calif. Shutter locking device for cameras. 1,812,181; June 30.
Thompson, Eugene C., Los Angeles, Calif. Compensating winding gear for cameras. 1,812,182; June 30.
Thompson, Frank, assignor to C. Howard Hunt Pen Company, Camden, N. J. Pencil sharpener. 1,804,717; May 12.
Thompson, Frank A. (See Elwood, Frank, assignor.)
Thompson, Frank E., and A. Lawrence, assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Cylinder lock. 1,835,725; Dec. 8.
Thompson, Fred C., Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Chain-adjusting device. 1,795,908; Mar. 10.
Thompson, Frederich W., Paddington, New South Wales, Australia. Appliances for trimming grain that is being loaded in bulk. 1,809,497; June 9.
Thompson, Frederick B., Hollywood, Calif., assignor to Spoor-Thompson Machine Company, Chicago, Ill. Coating machine. 1,799,769; Apr. 7.
Thompson, Fredrick B., Hollywood, Calif., assignor, by mesne assignments, to Cinema Patents Company, Inc., New York, N. Y. Photographic film printer. 1,813,000; July 7.
Thompson, George A., Canonsburg, Pa. Milk bottle rack. 1,835,726; Dec. 8.
Thompson, George E., Oakland, Calif. Auto table. 1,789,503; Jan. 20.
Thompson, George F., assignor to G. H. Williams Company, Erie, Pa. Clamshell bucket. 1,794,257; Feb. 24.
Thompson, George F., assignor to G. H. Williams Company, Erie, Pa. Clamshell bucket. 1,805,532; May 19.
Thompson, George F., assignor to G. H. Williams Company, Erie, Pa. Drag line bucket. 1,820,714; Aug. 25.
Thompson, George H., Selly Oak, Birmingham, England. Percussion mechanism for tools. 1,824,935; Sept. 29.
Thompson, George K., et al. (See Haysel, Arthur R., assignor.)
Thompson, George K., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Telephone cabinet and table lamp. 1,790,776; Feb. 3.
Thompson, George K., Randolph, Ill. Adjustable post brace. 1,815,994; July 28.
Thompson, Gertrude E., assignor to Van Sicklen Corporation, Elgin, Ill. Radiocabinet. Des. 84,309; June 2.
Thompson, Harold W. (See Pavelka, F. E., and Thompson.)
Thompson, Harry E., Detroit, Mich. Crank case seal. 1,820,100; Aug. 25.
Thompson, Harry M., assignor to Simplex Engineering Company, Washington, Pa. Melting furnace. 1,832,063; Nov. 17.
Thompson, Harry S., Detroit Mich. Garment. 1,788,642; Jan. 13.
Thompson, Harry W., et al. (See Udell, Earl L., assignor.)
Thompson, Harry W., Bakersfield, assignor to Standard Oil Company of California, San Francisco, Calif. Method and apparatus for concentrating liquids. 1,831,892; Nov. 17.
Thompson, Henry A., Yakima, Wash. Ladder. 1,800,117; Apr. 7.
Thompson, Herbert H., Brooklyn, N. Y., assignor, by mesne assignments, to Sperry Gyroscope Company, Inc. Liquid-controlled gyroscopic compass. 1,793,142; Feb. 17.
Thompson, Herbert L. (See McCain, B. Z., and Thompson.)
Thompson, Herbert L., Elgin, Ill., assignor to Addressograph Company, Wilmington, Del. Printing machine. 1,817,655; Aug. 4.
Thompson, Horace W., Cleveland Heights, Ohio, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer roll. 1,837,925; Dec. 22.
Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway - traffic - controlling apparatus. 1,797,560; Mar. 24.
Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway - traffic - controlling apparatus. 1,797,561; Mar. 24.
Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,798,286; Mar. 31.
Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,802,319; Apr. 21.
Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,816,302; July 28.
Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuit apparatus. 1,823,176; Sept. 15.
Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical signaling. 1,827,829; Oct. 20.
Thompson, Howard A., Edgewood Borough, and C. A. Brooks, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,808,327; June 2.
Thompson, James S., New York, N. Y., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Casting mold. 1,801,060; Apr. 14.
Thompson, James S., New York, N. Y., assignor to Firebar Corporation, Cleveland, Ohio. Grate. 1,803,152; Apr. 28.
Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Making friction blocks. 1,821,487; Sept. 1.
Thompson, John B., Kearney, N. J., assignor to Congoleum-Nairn, Inc. Making linoleum. 1,826,155; Oct. 6.
Thompson, John L., Hayes, England. Cooling arrangement for electrical apparatus. 1,800,163; Apr. 7.
Thompson, John L., Hayes, England. Electric transformer cooling means. 1,808,617; June 2.
Thompson, John M. (See Chaney, H. T., and Thompson.)
Thompson, John R., Co. (See Loebl, Jerrold, assignor.)

Thompson, John W., assignor to John Wanamaker Philadelphia, Philadelphia, Pa. Display case. Des. 85,605; Nov. 17.
Thompson, Joseph S., San Francisco, Calif. Positioning device. 1,828,791; Oct. 27.
Thompson, Lee O., Vancouver, Wash. Seat positioning device. 1,807,579; May 26.
Thompson, Lincoln, Philadelphia, Pa., assignor to Victor Talking Machine Company. Activating filaments. 1,790,449; Jan. 27.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,792,257; Feb. 10.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,806,317; May 19.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,832,822; Nov. 17.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Sound amplifier and reproducing apparatus. 1,833,762; Nov. 24.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Electrical regulator and regulating system. 1,836,886; Dec. 15.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Regulating apparatus. 1,839,131; Dec. 29.
Thompson, Louis W., and E. H. Horstkotte, Schenectady, N. Y., assignors to General Electric Company. Control system for dynamo-electric machines. 1,805,502; May 19.
Thompson Manufacturing Company. (See Harris, Albert E., assignor.)
Thompson Manufacturing Co. (See Thompson, Claude S., assignor.)
Thompson Manufacturing Company. (See Thompson, Walter V., assignor.)
Thompson Manufacturing Company. (See Thompson, Walter Van E., assignor.)
Thompson, Milton L. (See Hepburn, D., and Thompson.)
Thompson, Milton W., Atlanta, Ga. Vehicle wheel. 1,812,573; June 30.
Thompson, Nat, Chicago, Ill. Dental porcelain electric furnace. 1,824,310; Sept. 22.
Thompson, Neil, Jeannette, assignor to Elliott Company, Pittsburgh, Pa. Apparatus for cleaning tubes. 1,806,270; May 19.
Thompson, Oscar T., assignor to Paper Patents Company, Neenah, Wis. Packaging for sheet material. 1,797,380; Mar. 24.
Thompson Products, Inc. (See Bissell, Richard E., assignor.)
Thompson Products Inc. (See Crawford, Frederick C., assignor.)
Thompson Products Inc. (See Crawford, F. C., and Graham, assignors.)
Thompson Products, Inc. (See Hufferd, George H., assignor.)
Thompson Products, Inc. (See Hufferd, G. H., and Graham, assignors.)
Thompson Products, Inc. (See Hufferd, G. H., Crawford, and Graham, assignors.)
Thompson Products, Inc. (See Spire, William H., assignor.)
Thompson, R. E., Manufacturing Company. (See Phelps, Boyd., assignor.)
Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Adjustable safety razor. 1,794,655; Mar. 3.
Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,794,656; Mar. 3.
Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,804,718; May 12.
Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor blade. 1,813,470; July 7.
Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,813,471; July 7.
Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Surgical knife. 1,813,782; July 7.
Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor and safety razor blade. 1,814,418; July 14.
Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,815,745; July 21.
Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor blade. 1,820,407; Aug. 25.
Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,820,408; Aug. 25.
Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,823,808; Sept. 15.
Thompson, Ralph E., Brookline, Mass., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,824,753; Sept. 22.
Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 1,825,836; Oct. 6.
Thompson, Ralph E., Brookline, and R. M. Dugdale, Dedham, assignors to Gillette Safety Razor Company, Boston, Mass. Razor case. 1,821,365; Sept. 1.
Thompson, Robert M., Windsor, Ontario, Canada. Tie wire pocket forming device. 1,821,951; Sept. 8.
Thompson, Robert P., Piermont, assignor to The Superheater Company, New York, N. Y. Spacing and supporting means. 1,818,021; Aug. 11.
Thomson, Samuel G., Flushing, N. Y. Railway rail and rail-joint. 1,816,099; July 28.
Thompson, Seth W., Montclair, N. J. Internal combustion engine. 1,819,137; Aug. 18.
Thompson, Sidney E., West Englewood, N. J., assignor to Copeland & Thompson, Incorporated, New York, N. Y. Plate or similar article of pottery. Des. 84,384; June 9.
Thompson, Sidney E., West Englewood, N. J., assignor to Copeland & Thompson, Incorporated, New York, N. Y. Covered dish. Des. 84,385; June 9.
Thompson, Theodore. (See Moecker, H., jr., and Thompson.)
Thompson, Theodore F., Fort Dodge, Iowa. Semiautomatic transmission. 1,809,608; June 9.
Thompson, Theodore F., Fort Dodge, Iowa. Transmission. 1,809,647; June 9.
Thompson, Thomas, Blackheath, London, England. Water turbine. 1,796,732; Mar. 17.
Thompson, Thomas, London, England. Water turbine. 1,803,220; Apr. 28.
Thompson, Thomas, assignor, by mesne assignments, to J. W. Sullivan and L. J. Coleman, Des Moines, Iowa. Bicycle stand. 1,799,573; Apr. 7.
Thompson, Thorn. (See Cane, Gordon F., assignor.)
Thompson, W. O. (See Switzler, Bruce E., assignor.)
Thompson, Walter N., Huntington Beach, Calif. Feed for well drilling tools. 1,817,467; Aug. 4.
Thompson, Walter N., Huntington Beach, and J. E. Hughes, Whittier, Calif. Torque-indicating apparatus. 1,795,623; Mar. 10.
Thompson, Walter R. (See Menninger, E. A., and Thompson.)
Thompson, Walter V., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Intermittent motion sprinkler. 1,806,100; May 19.
Thompson, Walter V., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Turbulence arrester. 1,806,101; May 19.
Thompson, Walter V., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Automatic shut-off valve. 1,832,156; Nov. 17.
Thompson, Walter Van E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Automatic rotating sprinkler head. 1,819,530; Aug. 18.
Thompson, Walter Van E., Los Angeles, assignor to Thompson Manufacturing Company, Los Angeles, Calif. Sprinkler for narrow areas. 1,827,961; Oct. 20.
Thompson, Wayne B. (See Preble, J. J., and Thompson.)
Thompson, Wilford G., and J. E. Jordan, El Paso, Tex. Cooled development apparatus. 1,810,857; June 16.
Thompson, William D., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich. Car roof. 1,808,872; June 9.
Thompson, William H. (See Davis, H. C., and Thompson.)
Thompson, William H. (See Kipp, R. H., and Thompson.)
Thompson, Willis D., assignor of one-third to C. H. Crawford, Spokane, Wash. Composition for making thin brittle shells for cold edibles. 1,794,741; Mar. 3.
Thompson, Willis D., assignor of one-third to C. H. Crawford, Spokane, Wash. Incasing edibles. 1,795,153; Mar. 3.
Thompson, Willsie A. S. (See Gunn, R. W., and Thompson.)
Thompson, Wilma F., New York, N. Y. Toy figure. Des. 84,554; June 30.
Thoms, David B. (See Hart, A. V., and Thoms.)
Thomsen, Alfred M., San Francisco, Calif. Making sulphite pulp. 1,803,738; May 5.
Thomsen, Alfred M., San Francisco, Calif. Manufacture of sulphite paper pulp. 1,823,519; Sept. 15.
Thomsen, Hans, and C. Blank, Brooklyn, and W. Blank, Jamaica, N. Y. Steering-post stabilizer for motor cycles. 1,799,806; Apr. 7.
Thomsen, Jorgen E., Jersey City, N. J. Dental cement and making the same. 1,792,200; Feb. 10.
Thomson, Alfred M., Newark, N. J., assignor to J. Mercadante, New York, N. Y. Refrigerating apparatus. 1,825,215; Sept. 29.
Thomson, Arthur, Walkerville, Ontario, Canada. Clutch. 1,792,334; Feb. 10.
Thomson, Charles L (See Ackerman, A. A., and Thomson.)
Thomson, Charles R. (See Burdick, E. S., and Thomson.)
Thomson, Frederick B., Teaneck, N. J. Conduit and pipe clamp. 1,808,328; June 2.
Thomson, George I., Kansas City, Mo. Combination window and screen. 1,827,494; Oct. 13.
Thomson-Gibb Electric Welding Company. (See Hall, P. M., and Remington, assignors.)
Thomson-Gibb Electric Welding Company. (See Thornton, G. A., and Remington, assignors.)

Thomson, Judson L., Manufacturing Co. (See Havener, Arthur R., assignor.)
Thomson Machine Company, et al. (See Kirchhoff, William G., assignor.)
Thomson Machine Company. (See Parsons, Edward T., assignor.)
Thomson Machine Company, et al. (See Sisson, Orville, assignor.)
Thomson, McLeod, Chelsea, N. J. Railway rail. 1,819,980; Aug. 18.
Thomson, McLeod, Chelsea, N. J., assignor to The Thomson Rail Corporation, Philadelphia, Pa. Rail-splicing structure. 1,791,390; Feb. 3.
Thomson National Press Co., Inc. (See Frauenberger, Carl F., assignor.)
Thomson, Peter, Wilmington, Del. Rotary valve internal combustion engine. 1,824,697; Sept. 22.
Thomson Rail Corporation, The. (See Thomson, McLeod, assignor.)
Thomson, Robert F., and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Manufacture of dyestuffs and intermediates. 1,818,510; Aug. 11.
Thomson, Robert F., and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Preparing dyestuffs and intermediates from benzanthrone derivatives. 1,831,691; Nov. 10.
Thomson, S. H., Manufacturing Company. (See Hummert, Robert H., assignor.)
Thomson, Samuel G., New York, N. Y. Railway rail and rail joint. 1,796,414; Mar. 17.
Thomson, Samuel G., Flushing, N. Y. Railway rail and rail-joint. 1,806,426; May 19.
Thomson, Samuel G., Flushing, N. Y. Railway rail and rail-joint. 1,806,427; May 19.
Thomson, Thomas, and N. Nisbet. Scunthorpe, England. Gas-cleaning. 1,835,445; Dec. 8.
Thomson, Volney W., Los Angeles, Calif. Liquid dispensing can. 1,838,468; Dec. 29.
Thomson, William P., assignor to The Rail Joint Company, New York, N. Y. Reforming oil rail joint bars. 1,829,247; Oct. 27.
Thomson, William R., Westmount, Quebec, Canada. Paper making machine. 1,827,177; Oct. 13.
Thorbecke, Carl, Nackenheim, Germany. Limed bandage or ring for fruit trees and the like. 1,790,605; Jan. 27.
Thorbinnsson, Ole H., Baltimore, Md. Peel-blade. 1,809,320; June 9.
Thorburn, David B., and R. B. Krueger, Lima, Ohio. Geared locomotive engine construction. 1,826,292; Oct. 6.
Thordarson, Chester H., assignor to Thordarson Electric Manufacturing Co., Chicago, Ill. Insulating and supporting washer for electrical binding posts. 1,813,716; July 7.
Thordarson Electric Manufacturing Company. (See Pearson, Oscar A., assignor.)
Thordarson Electric Manufacturing Co. (See Thordarson, Chester H., assignor.)
Thoresen, Halfdan R., Brooklyn, N. Y. Pointer, underliner, and weight. 1,822,757; Sept. 8.
Thoretz, Arthur A., New York, N. Y. Wall coating. 1,832,752; Nov. 17.
Thorgney, Gillis B. (See Cutler, Max, assignor.)
Thorington, Fletcher, Birmingham, Ala. Auditorium loudspeaker. 1,791,173; Feb. 3.
Thorley, Joseph P., assignor to American Chinaware Corporation, Sebring, Ohio. Covered dish or similar article. Des. 83,292; Feb. 10.
Thorley, Joseph P., assignor to American Chinaware Corporation, Sebring, Ohio. Covered dish or similar article. Des. 83,293; Feb. 10.
Thorley, Joseph P., assignor to American Chinaware Corporation, Sebring, Ohio. Plate or similar article. Des. 83,294; Feb. 10.
Thormann, Albert F. W., Pittsburgh, Pa. Electroplating apparatus. 1,811,409; June 23.
Thorn, J. S., Company. (See Doering, Albert L., assignor.)
Thorn, William E., assignor to The Ives Corporation, Bridgeport, Conn. Electric motor for toy locomotives. 1,798,818; Mar. 31.
Thornbill, Charles H., Presho, S. Dak. Bill board for stock car doors. 1,812,813; June 30.
Thornburgh, Hubert R., Leonia, N. J., assignor to Shell Petroleum Corporation. Stadia rod. 1,805,605; May 19.
Thornburgh, W. N., Manufacturing Co. (See Thornburgh, William N., assignor.)
Thornburgh, William N., Chicago, Ill. Dust guard for journal boxes. 1,816,704; July 28.
Thornburgh, William N., assignor to W. N. Thornburgh Manufacturing Co., Cicero, Ill. Dust guard. 1,837,379; Dec. 22.
Thorne, Carl B., Hawkesbury, Ontario, Canada. Log barker. 1,796,632; Mar. 17.
Thorne, Carl B., Hawkesbury, Ontario, Canada. Log barker. 1,796,633; Mar. 17.
Thorne, Carl B., Hawkesbury, Ontario, Canada. Separating particles from free water. 1,804,188; May 5.
Thorne, Carl B., Hawkesbury, Ontario, Canada. Pulp storing and mixing machine. 1,819,531; Aug. 18.
Thorne, Carl B., Hawkesbury, Ontario, Canada. Separating particles from free water. 1,826,485; Oct. 6.
Thorne, Carl B., Hawkesbury, Ontario, Canada. Log barker. 1,827,052; Oct. 13.
Thorne, Clayton L., Chicago, Ill. Steam generating apparatus. 1,811,193; June 23.
Thorne, George, Liverpool, England, assignor to Dunlop Rubber Company Limited. Ornamented rubber article and making the same. 1,832,514; Nov. 17.
Thorne, Herman J., et al. (See Ferguson, William T., assignor.)
Thorne, Samuel A., Ventura, Calif. Automobile light. 1,789,162; Jan. 13.
Thornell, Joseph, et al. (See McKenzie, Frank, assignor.)
Thorner, Walther, Berlin, Germany. Telescopic instrument for subjective determination of the refraction of the eye. 1,826,844; Oct. 13.
Thorness, Louis S., Renton, Wash. Cableway. 1,807,229; May 26.
Thornhill, Walter C., assignor of one-half to J. M. Ferguson, Seattle, Wash. (Marine reverse gear. 1,834,322; Dec. 1.
Thornley, Fred C., Coronado Beach, Calif., and M. J. Walsh, London, England, assignors, by mesne assignments, to Kelco Company, Los Angeles, Calif. Preparing alginic acid and compounds thereof. 1,814,981; July 14.
Thornley, Joseph H., Chicago, Ill. Foundation for buildings, bridges, and the like. 1,822,550; Sept. 8.
Thornley, Joseph H., Evanston, Ill. Pile driver. 1,831,211; Nov. 10.
Thornley, Joseph H., Chicago, and G. L. Sherwood, Oak Park, assignors to Western Foundation Company, Chicago, Ill. Method of and apparatus for making cast-in-place piles. 1,831,209; Nov. 10.
Thornley, Joseph H., Chicago, and G. L. Sherwood, Oak Park, assignor to Western Foundation Company, Chicago, Ill. Pile driving apparatus. 1,831,210; Nov. 10.
Thornley, Sidney, Blackley, Manchester, assignor to British Dyestuffs Corporation Limited, Manchester, England. Black and grey vat dies. 1,832,594; Nov. 17.
Thornton, Benjamin F., Landover, Md. Apparatus for automatically recording telephonic messages. 1,831,331; Nov. 10.
Thornton, David B., Flushing, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Power transmission mechanism. 1,838,594; Dec. 29.
Thornton, Frank, jr., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Refrigerating apparatus. 1,789,916; Jan. 20.
Thornton, George A., Schenectady, N. Y., and W. Remington, Swampscott, assignors to Thomson-Gibb Electric Welding Company, Lynn, Mass. Transformer. 1,818,589; Aug. 11.
Thornton, George G., Erdington, Birmingham, England, assignor to American Anode, Inc., Akron, Ohio. Manufacture of articles from aqueous dispersions of rubber and similar vegetable resins or compounds thereof. 1,810,504; June 16.
Thornton, Harold M., West Hampstead, London, England. Cinematograph spool case. 1,801,061; Apr. 14.
Thornton, Irving T. (See Heritage, C. C., and Thornton.)
Thornton, Irving T., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Apparatus for screening pastes. 1,810,933; June 23.
Thornton, John E., London, England. Multicolor cinematograph film material. 1,819,981; Aug. 18.
Thornton, John E., London, assignor to J. O. O'Brien, Manchester, England. A method of producing two color cinematograph positive films. 1,831,771; Nov. 10.
Thornton, John E., St. Brelade, Jersey, Channel Islands. Machine for the production of cinematograph and other films. 1,834,355; Dec. 1.
Thornton, John E., St. Brelade, Jersey, Channel Islands, assignor to J. O. O'Brien, Manchester, England. Printing and producing double-width positive film strips. 1,794,043; Feb. 24.
Thornton, John E., West Hampstead, London, assignor to John O. O'Brien, Manchester, England. Cinematograph apparatus. 1,819,047; Aug. 18.
Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Cinematograph spoolcase. 1,839,064; Dec. 29.
Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Cinematograph spoolcase. 1,839,132; Dec. 29.
Thornton, Malcolm E., Portland, Oreg. Toy. 1,788,752; Jan. 13.
Thornton, Myron, assignor of forty per cent to Roscoe R. Gardner, Glenrock, Wyo. Land leveling implement. 1,811,811; June 23.
Thornton, W. L., et al. (See Collom, C. B., and Horton, assignors.)
Thornton, William M., Newcastle-upon-Tyne, England. Electrical instrument for measuring, indicating, and other purposes. 1,787,879; Jan. 6.
Thoroman, William E., near Dayton, Ohio. Flag support and raiser. 1,794,873; Mar. 3.
Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Protective device. 1,816,267; July 28.
Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Locking device. 1,816,268; July 28.
Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Foot pedal. 1,821,589; Sept. 1.
Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Horn. 1,821,590; Sept. 1.
Thorp, Joel R., and C. Fausch, assignors to The Fulton Company, West Allis, Wis. Pedal. 1,821,588; Sept. 1.

Thorp, Lambert, Cincinnati, Ohio. Isopropyl ether of para-acetyl amino phenol. 1,793,030; Feb. 17.
Thorp, Vaughn P., River Edge, N. J., assignor to American Telephone and Telegraph Company. Carrier telegraph system. 1,809,950; June 16.
Thorp, Vaughn P., River Edge, N. J., assignor to American Telephone and Telegraph Company. Carrier telegraph system. 1,827,860; Oct. 20.
Thorp, William T., Hillsboro, Ill. Toy. 1,794,258; Feb. 24.
Thorpe, Drew M. (See Fitz-Gibbon, John B., assignor.)
Thorpe, Forest H., assignor to The Columbus Sucker Rod Company, Columbus, Ohio. Wood rod coupling. 1,828,164; Oct. 20.
Thorpe, Forest H., assignor to The Columbus Sucker Rod Company, Columbus, Ohio. Coupling for rods and other metallic bodies. 1,833,008; Nov. 24.
Thorpe, George E. (See Thorpe, Thomas W. and G. E.)
Thorpe, Lester R., East Bakersfield, Calif. Finger board. 1,804,962; May 12.
Thorpe, Samuel T. (See Broadwell, H. S., and Thorpe.)
Thorpe, Samuel T., assignor to The Horton Manufacturing Company, Bristol, Conn. Fishing reel. 1,814,234; July 14.
Thorpe, Samuel T., and L. Zipp, assignors to The Horton Manufacturing Company, Bristol, Conn. Fishing reel. 1,819,723; Aug. 18.
Thorpe, Thomas W. and G. E., Des Moines, Iowa. Tool jack. 1,827,120; Oct. 13.
Thorps, Howard S., Yonkers, N. Y. Engine. 1,792,258; Feb. 10.
Thorsen, Ole, Chicago, Ill. Aeroplane. 1,793,651; Feb. 24.
Thorsen, Thor. (See Storm, A., and Thorsen.)
Thorsness, Otto D., and D. R. Tower, assignors to Electric Heating Devices, Inc., Lake Preston, S. Dak. Electrical heater. 1,818,176; Aug. 11.
Thorson, Thorwald, Forest City, Iowa. Troweling machine for paving. 1,832,951; Nov. 24.
Thorssell, Carl T., Cassel, Germany. Production of potassium sulphate and soda. 1,787,497; Jan. 6.
Thorssell, Carl T., Kassel, Germany. Working up crude phosphate and potassium salts to mixed fertilizer. 1,806,029; May 19.
Thorssell, Carl T., and A. Kristensson, Cassel, Germany. Production of potassium nitrate. 1,816,303; July 28.
Thorssell, Theodor, and A. Kristensson, Kassel, Germany. Production of alkali sulphates. 1,794,259; Feb. 24.
Thorssell, Theodor, and A. Kristensson, Kassel, Germany. Production of potassium carbonate. 1,794,260; Feb. 24.
Thorssell, Theodor, and A. Kristensson, Cassel, Germany. Decomposition of crude phosphate. 1,810,858; June 16.
Thorssell, Theodor, and A. Kristensson, Kassel, Germany. Production of potassium nitrate with simultaneous obtaining of dimagnesium phosphate. 1,821,859; Sept. 1.
Thorstenson, Ole, Renville, Minn. Teat membrane and tumor remover. 1,837,503; Dec. 22.
Thrailkill, F. H. (See Luzzi, St. Clair F., assignor.)
Thrane, Axel, Oakland, Calif. Reversing mechanism for engines. 1,802,851; Apr. 28.
Thrasher, Edward C., assignor to Parke, Davis & Company, Detroit, Mich. Cake of soap. Des. 85,675; Dec. 1.
Thrasher, Henry H. (See Fosnaugh, G. S., and Thrasher.)
Thrasher, Lannis E., Haines, Fla. Window stage. 1,823,771; Sept. 15.
Thrasher, Toy, Golden, Miss. Violin. 1,819,928; Aug. 18.
Threadgill, Percy, Burnsville, N. C., assignor to Celo Properties, Inc., Miami, Fla. Building. 1,829,841; Nov. 3.
Threlfall, Richard. (See King, G., and Threlfall.)
Threlkeld, Lewis P. (See Duncan, Herbert L., assignor.)
Threlkeld, Tom G., and A. W. W. Butterfield, Manchester, England, assignors to Radio Corporation of America. Aerial receiving system for wireless signaling. 1,824,579; Sept. 22.
Thriene, Ernst, Munich, Germany. Hair undulating apparatus. 1,837,736; Dec. 22.
Throckmorton, Lusion G., Miami, Fla. Track for dog racing. 1,787,604; Jan. 6.
Thronsen, Sigurd. (See Arkema, H. P., and Thronsen.)
Throop, Damon R. (See Lytle, Harry R., assignor.)
Throop, Damon R., Stockton, Calif. Automatic revolving scraper. 1,806,959; May 26.
Throop, Joseph W. (See Middleton, W. V., and Throop.)
Thrower, Pearl E., San Angelo, Tex. Ice jacket. 1,802,290; Apr. 21.
Thrush, Homer A., Peru, Ind. Pressure-relief valve. 1,800,185; Apr. 7.
Thuillier, Adolphie. (See Schmitt, E. B., and Thuillier.)
Thullen, Louis H., East Orange, N. J. Drilling apparatus and the like. 1,836,998; Dec. 15.
Thum, Martin, Rochester, N. Y. Furniture. 1,790,884; Feb. 3.
Thum, Martin, Rochester, N. Y. Table. 1,792,555; Feb. 7.
Thum, Martin, Rochester, N. Y. Furniture. 1,815,877; July 21.
Thum, Martin, Rochester, N. Y. Chair. 1,836,630; Dec. 15.
Thumann, Henry F., Redfield, Ark. Poultry feeder. 1,810,230; June 16.
Thumim, Carl, Philadelphia, Pa., assignor to General Electric Company. Electric switching installation. 1,818,828; Aug. 11.
Thumim, Carl, Philadelphia, Pa., assignor to General Electric Company. Switch operating mechanism. 1,827,626; Oct. 13.
Thunder, Harold G., assignor to The Motor Products Corporation, Detroit, Mich. Windshield-operating mechanism. 1,792,666; Feb. 17.
Thune, Helmer N., Climax, Minn. Tire gauge. 1,823,414; Sept. 15.
Thurber, George. (See Primos, Gus K., assignor.)
Thurber, Harry, Washington, D. C. Support and clip for ribbed metal roofing. 1,799,541; Apr. 7.
Thurber, Harry F. (See Greist, H. M., and Thurber.)
Thurell, John P., Fort Myers, Fla. Sprinkler fire protection apparatus. 1,804,374; May 5.
Thurgar, Harry D. (See Freeman, H., and Thurgar.)
Thürlings, Hermann, Viersen, Germany. Machine for kneading and pulling out dough-like masses. 1,833,727; Nov. 24.
Thurm, Richard, and E. Schmierer, assignors to Baker Perkins Company, Inc., Saginaw, Mich. Machine for dissolving xanthates. 1,794,214; Feb. 24.
Thurman, Benjamin H. (See Adams, R. H., and Thurman.)
Thurman, Benjamin H., Tuckahoe, assignor to Gold Dust Corporation, New York, N. Y. Bleaching oil. 1,790,513; Jan. 27.
Thurman, John S., St. Louis, Mo. Gin. 1,803,739; May 5.
Thurman, Tandy B., Kansas City, Mo. Awning bracket. 1,807,676; June 2.
Thurman, Tandy B., Kansas City, Mo., assignor to H. E. Williams Products Co., Carthage, Mo. Spring roller. 1,803,042; Apr. 28.
Thurman, William B., Stockton, Calif, assignor to Fireproof Wall Company, Reno, Nev. Making coves and corners for plaster lath. 1,819,345; Aug. 18.
Thurman, William B., and M. W. Hild, Stockton, Calif., assignors to Fireproof Wall Company, Reno, Nev. Attaching lathing to studding. 1,787,804; Jan. 6.
Thurman, William B., and M. W. Hild, Stockton, assignors to Fireproof Wall Company, Oakland, Calif. Applying plaster lath to studding. 1,793,341; Feb. 17.
Thurmer, John H., Brooklyn, N. Y. Conveyer. 1,810,859; June 16.
Thurmond, Dean, et al. (See Harston, Dan, assignor.)
Thurmond, George W., sr., Warrenville, S. C. Wheeled device for laying off land. 1,812,574; June 30.
Thurneyssen, Christian, assignor to Societe Le Nickel, Paris, France. Metallurgical treatment. 1,826,583; Oct. 6.
Thurneyssen, Guy T., Paris, France. Device for evacuating vacuum tubes. 1,813,973; July 14.
Thurston, Albert P., London, England. Aircraft, submarine, and other totally-immersed craft or structures. 1,798,913; Mar. 31.
Thurston, Albert P., London, England. Aircraft. 1,798,914; Mar. 31.
Thurston, Albert P., London, England. Aircraft. 1,798,915; Mar. 31.
Thurston, Albert P., London, England. Controlling aircraft, submarines, and like totally immersed craft or structures. 1,827,304; Oct. 13.
Thwaits, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Drop frame tank trailer. 1,814,098; July 14.
Thwaits, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Running board and hose carrier. 1,816,028; July 28.
Thwaits, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Sanitary vent for pressure milk tanks. 1,819,827; Aug. 18.
Thweatt, Hardin D., Hudson, assignor to The Adamson Machine Company, Akron, Ohio. Riveting press. 1,790,029; Jan. 27.
Thwing, Annie, executrix. (See Thwing, Orrell O.)
Thwing Instrument Company. (See Albert, Edward J., assignor.)
Thwing, Orrell O., deceased, A. Thwing, executrix, assignor to General Oil Gas Corporation, New York, N. Y. Manufacture of gas from fluid fuels. 1,796,733; Mar. 17.
Thwing, Orrell O., deceased; Annie Thwing, executrix, assignor to General Oil Gas Corporation, New York, N. Y. Making combustible gas from liquid fuel. 1,830,574; Nov. 3.
Thybony, Nels W., and R. M. Ozabal, assignors, by mesne assignments, to Klaas Van Wyngaarden, Chicago, Ill. Can opener. 1,825,216; Sept. 29.
Tibbals, Edward A. (See Loch, H. O., Miller, and Tibbals.)
Tibbet, Ernest I. (See Thomas, I., and Tibbet.)
Tibbets, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,808,083; June 2.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Spring cover. 1,791,252; Feb. 3.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,823,711; Sept. 15.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Shock absorber. 1,823,712; Sept. 15.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Writing surface for recording instruments. 1,824,513; Sept. 22.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Painting device. 1,824,514; Sept. 22.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Shock absorber. 1,834,112. Dec. 1.
Tice Lock-Washer Manufacturing Co. (See Lillig, Nicholas R., assignor.)
Tice Lock Washer Manufacturing Company. (See Tice, William H., assignor.)
Tice, Percival S., Chicago, Ill. Carburetor. 1,796,634; Mar. 17.
Tice, Percival S., Chicago, Ill. Carburetor. 1,796,734; Mar. 17.
Tice, Percival S., Chicago, Ill. Carburetor. 1,797,165; Mar. 17.
Tice, Percival S., assignor to Stewart-Warner Corporation, Chicago, Ill. Carburetor. 1,804,659; May 12.
Tice, Percival S., assignor to Stewart-Warner Corporation, Chicago, Ill. Electrically operated motive device. 1,837,504; Dec. 22.
Tice, Percival S., assignor to Stewart-Warner Corporation, Chicago, Ill. Electromagnetic fuel pump. 1,837,505; Dec. 22.
Tice, Percival S., assignor to Stewart-Warner Corporation, Chicago, Ill. Electric motor for fuel feeding systems. 1,837,506; Dec. 22.
Tice, Reuben S., Monterey, and A. L. Holcomb, San Jose, Calif. Thermostat control. 1,790,121; Jan. 27.
Tice, Reuben S., Monterey, and A. L. Holcomb, San Jose, Calif. Relay. 1,790,181; Jan. 27.
Tice, William H., assignor to Tice Lock Washer Manufacturing Company, Portland, Oreg. Progressive die for manufacturing lock washers. 1,833,190; Nov. 24.
Tichava, Arthur, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Sprinkler. 1,790,732; Feb. 3.
Tickometer Company, The. (See Scher, Louis, assignor.)
Tidal Oil Company. (See Franks, Harry H., assignor.)
Tidd, Frank E., Yerington, Nev. Rotary engine. 1,808,084; June 2.
Tidd, George N. (See Sindeband, M. L., Tidd, and Milnor.)
Tideman, Selim N., Wilmette, Ill. Catenary rod bender. 1,824,244; Sept. 22.
Tide Water Oil Company. (See Bertschinger, Charles F., assignor.)
Tidy Products Corporation. (See Bloom, David, assignor.)
Tiedeman, John A., Schenectady, N. Y., assignor to General Electric Company. Recording method and apparatus. 1,806,375; May 19.
Tiefa, Reinhold. (See Soule, J., Tiefa, and Walsh.)
Tiefbau- und Kalteindustrie-Aktiengesellschaft vormals Gebhardt & Koenig. (See Joosten, Hugo, assignor.)
Tiefenbacher, Thomas B., Elizabeth, N. J. Outlet box fitting. 1,830,250; Nov. 3.
Tiefenbacher, Thomas B., Elizabeth, N. J., assignor to Erie Malleable Iron Company, Erie, Pa. Connecter. 1,794,931; Mar. 3.
Tielke, Homer F., Cleveland, Ohio. Rolling mill piercing point, plug and guide, and making same. 1,807,453; May 26.
Tielke, Homer F., Cleveland, Ohio. Using rolling mill piercing points. 1,807,454; May 26.
Tiernan, Peter A. (See Fitzpatrick, Eu, Clark, and Tiernan.)
Tiernan Products, Inc. (See Baker, J. C., and Wallace, assignors.)
Tietz, Hans. (See Einsler, O., and Tietz.)
Tietze, Ernst. (See Hentrich, W., Hardtmann, and Tietze.)
Tietze, Ernst. (See Hentrich, W., Knoche, and Tietze.)
Tietze, Ernst. (See Hentrich, W., Knoche, Tietze, and Hilger.)
Tietze, Ernst. (See Hentrich, W., and Tietze.)
Tiffany & Company. (See Blake, Charles B., assignor.)
Tiffany Manufacturing Company. (See Joyce, Harold L., assignor.)
Tiffany Manufacturing Company. (See Mason, Carl T., assignor.)
Tiffany, Murray. (See Koelling, E., Riek, and Tiffany.)
Tiffany, Tolbert K., Trenton, N. J., assignor to J. H. Bell, Philadelphia, Pa. Incubator. 1,814,419; July 14.
Tiffin Art Metal Co., The. (See Speck, John P., assignor.)
Tifft, Thomas D., and W. Mendius, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Fractionation. 1,789,059; Jan. 13.
Tikalsky, Francis P. (See Ravenschlag, A. G., and Tikalsky.)
Tikalsky, Francis P., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Die casting machine. 1,833,663; Nov. 24.
Tilden, Burt E., Chicago, Ill. Pruner, fruit picker, and weeder. 1,823,672; Sept. 15.
Tilden, Bert O., assignor to B. O. T. Mfg. Co., Trenton, N. J. Water closet bowl. Re18,065; May 12.
Tilden, Bert O., assignor to B. O. T. Manufacturing Company, Trenton, N. J. Combined water-closet bowl and flush tank. Des. 83,770; Mar. 24.
Tilden, Bert O., assignor to B. O. T. Manufacturing Company, Trenton, N. J. Water closet flush tank. Des. 85,137; Sept. 15.
Tilden, Bert O., assignor to B. O. T. Manufacturing Company, Trenton, N. J. Water closet flush tank. Des. 85,560; Nov. 10.
Tilden, Bert O., assignor to B. O. T. Manufacturing Company, Trenton, N. J. Cover for a water closet flush tank. Des. 85,606; Nov. 17.
Tilden, Bert O., assignor to B. O. T. Mfg. Co., Trenton, N. J. Flush valve. 1,808,329; June 2.
Tilden, Bert O., assignor to B. O. T. Manufacturing Company, Trenton, N. J. Cover for flush tanks. 1,835,540; Dec. 8.
Tilden, John L., et al. (See Dugan, Thomas, assignor.)
Tilden, Robbins and T. A., High Point, N. C. Telephone-call recorder. 1,793,761; Feb. 24.
Tilden, Robbins and T. A., High Point, N. C. Call recorder for telephone systems. 1,793,762; Feb. 24.
Tilden, Robbins and T. A., High Point, N. C. Repeating connecter switch. 1,815,223; July 21.
Tilden, Sydney G., Stewart Manor, N. Y. Vehicle brake adjusting stand. 1,804,041; May 5.
Tilden, Thomas A. (See Tilden, Robbins and T. A.)
Till, Edwin W., assignor to A. J. Reach Company, Philadelphia, Pa. Baseball mitt. 1,819,048; Aug. 18.
Tillery, Madison G. (See Carter, G. A., and Tillery.)
Tilles, Roy E., New Rochelle, N. Y. Hosiery. 1,824,636; Sept. 22.
Tillinger, Julius, Providence, R. I. Rubbish or garbage receptacle. 1,816,411; July 28.
Tillinghast, James A., Providence, R. I. Refrigerating system. 1,834,009; Dec. 1.
Tillman, Ferdinand J., St. Louis, Mo. Automatic phonograph. 1,813,472; July 7.
Tillman, Ferdinand J., assignor, by mesne assignments, to American Yard-O-Meter Corporation, St. Louis, Mo. Measuring machine. 1,802,320; Apr. 21.
Tillotson Manufacturing Company, The. (See Brockway, Carl P., assignor.)
Tillotson Manufacturing Company, The. (See Davies, Henry R., assignor.)
Tillotson Manufacturing Company, The. (See Manchester, Clyde C., assignor.)
Tillotson Manufacturing Company, The. (See Myers, Don D., assignor.)
Tillstrom, Edgar J., Benton Harbor, Mich., assignor to Remington Rand Inc., Buffalo, N. Y. Perforating attachment for printing presses. 1,831,270; Nov. 10.
Tilly, Ernest C., Montpelier, Bristol, and H. Mattinson, Disley, England. Ticket issuing machine. 1,806,654; May 26.
Tilly, James O., Muskogee, Okla. Horizontal drilling machine. 1,835,191; Dec. 8.
Tillyer, Edgar D. (See Moulton, H. R., and Tillyer.)
Tillyer, Edgar D. (See Wrighton, W. J., and Tillyer.)
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Diagnostic instrument. 1,806,318; May 19.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Eye protector. 1,813,213; July 7.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Crystal oscillator. 1,836,735; Dec. 15.
Tillyer, Edgar D., Southbridge, and H. R. Moulton, Sturbridge, assignors to American Optical Company, Southbridge, Mass. Glass treatment. 1,809,534; June 9.
Timberlake, Paul J., Jackson, Mich. Display-card holder. 1,798,564; Mar. 31.
Timbs, Edward. (See Faulkner, D. S., and Timbs.)
Timbs, Edward, Los Angeles, Calif., assignor, by mesne assignments, to The National Supply Company, Toledo, Ohio. Three-speed friction-clutch draw work. 1,788,498; Jan. 13.
Timbs, Edward, Los Angeles, Calif., assignor to The National Supply Company of Delaware, New York, N. Y. Rotary machine for well drilling. 1,821,366; Sept. 1.
Timbs, Edward, Los Angeles, Calif., assignor to The National Supply Company, Toledo, Ohio. Packing head. 1,834,190; Dec. 1.
Timbs, Edward, and L. E. Peck, Los Angeles, Calif., assignors, by mesne assignments, to The National Supply Company, Toledo, Ohio. Safety throw-off iron. 1,800,367; Apr. 14.
Time-O-Stat Controls Company. (See Gauger, F. A., and Johnson, assignors.)
Timian, Harold H., assignor to The Wheeler-Schebler Carburetor Co., Indianapolis, Ind. Carburetor. 1,809,648; June 9.
Timian, Harold H., Indianapolis, Ind., assignor to The Wheeler-Schebler Carbureter Company. Carburetor. 1,832,952; Nov. 24.
Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)
Timken-Detroit Axle Company, The. (See Alden, H. W., and Brownyer, assignors.)
Timken-Detroit Axle Company, The. (See Brownyer, Nelson R., assignor.)
Timken-Detroit Axle Company, The. (See McQuaid, Harry W., assignor.)
Timken-Detroit Axle Company, The. (See Morgan, Mathew B., assignor.)
Timken-Detroit Axle Company, The. (See Rockwell, W. F., and Keese, assignors.)
Timken-Detroit Axle Company, The. (See Trbojevich, Nikola, assignor.)
Timken-Detroit Company, The. (See Cole, Frank O., assignor.)
Timken-Detroit Company, The. (See Goddard, John F., assignor.)

Timken Roller Bearing Company, The. (See Buckwalter, Tracey V., assignor.)
Timken Roller Bearing Company, The. (See Drowns, Irvin, assignor.)
Timken Roller Bearing Company, The. (See Foulks, Robert, assignor.)
Timken Roller Bearing Company, The. (See Hektner, Joel, assignor.)
Timken Roller Bearing Company, The. (See Lothrop, Marcus T., assignor.)
Timken Roller Bearing Company, The. (See Miller, Erwin E., assignor.)
Timken Roller Bearing Company, The. (See Peterman, Albert J., assignor.)
Timken Roller Bearing Company, The. (See Schlaupitz, Oswald, assignor.)
Timken Roller Bearing Company, The. (See Streby, Ray D., assignor.)
Timken Roller Bearing Company, The. (See Vine, Howard L., assignor.)
Timken Roller Bearing Company The. (See Weckstein, Samson M., assignor.)
Timken Roller Bearing Company, The. (See Wooler, Ernest, assignor.)
Timmons, Edwin S., Chicago, Ill. Vehicle light director. 1,804,719; May 12.
Timmons, J. S., Incorporated. (See Timmons, John S., assignor.)
Timmons, John S., assignor to J. S. Timmons, Incorporated, Philadelphia, Pa. Cone-type loud speaker 1,825,561; Sept. 29.
Timmons, Samuel E., Lawton, Okla. Folding wall table. 1,796,635; Mar. 17.
Timperio, Carmino, New Geneva, Pa. Rail joint. 1,824,637; Sept. 22.
Timpte, Anton C., Denver, Colo. Combined body brace and seat support. 1,796,583; Mar. 17.
Timson, Roscoe P., Lynn, assignor of one-half to D. E. Johnston, Boston, Mass. Toy airplane. 1,799,936; Apr. 7.
Timson, William, assignor to W. & T. Avery Limited, Soho Foundry, Birmingham, England. Printing mechanism for use with weighing apparatus. 1,800,850; Apr. 14.
Timson, William, assignor to W. & T. Avery Limited, Soho Foundry, Birmingham, England. Ball bearing mounting. 1,810,093; June 16.
Timson, William, assignor to W. & T. Avery, Limited, Birmingham, England. Weighing apparatus. 1,815,995; July 28.
Timson, William, Soho Foundry, assignor to W. & T. Avery Limited, Birmingham, England. Automatic weighing scales. 1,836,631; Dec. 15.
Tindal, John R., West Springfield, and F. H. Mayoh, Springfield, assignors to Package Machinery Co., Springfield, Mass. Labeling machine. 1,800,485; Apr. 14.
Tingleaf, Albert J., assignor of one-half to C. W. Mitchell, Riverside, Calif. Step construction for ladders. 1,838,796; Dec. 29.
Tingley, Bruce H., assignor to Ohmer Fare Register Company, Dayton, Ohio. Taximeter. 1,794,808; Mar. 3.
Tingley, Charles W. (See Mullan, H. D., and Tingley.)
Tinius Olsen Testing Machine Co. (See Lundgren, Jacob, assignor.)
Tinker, John M. (See Gubelmann, I., and Tinker.)
Tinker, John M., South Milwaukee, and V. A. Hansen, Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Separation of 2-nitronapthalene-4, 8-disulphonic acid from isomers. 1,836,204; Dec. 15.
Tinkey, Otto G. (See Natwick, F. J., and Tinkey.)
Tinnerman, Albert H., Cleveland, Ohio. Reversible stove. 1,788,643; Jan. 13.
Tinnerman, Albert H., Cleveland, Ohio. Closed top for gas stoves. 1,788,644; Jan. 13.
Tinnerman, Albert H., Cleveland, Ohio. Valve-controlling apparatus. 1,788,753; Jan. 13.
Tinnerman, Albert H., Cleveland, Ohio. Valve for gas ranges. 1,838,506; Dec. 29.
Tinsley, Edward O., assignor to Robert Gair Company, New York, N. Y. One-piece four-walled carton. 1,787,498; Jan. 6.
Tinsley, Edward O., assignor to Robert Gair Company, New York, N. Y. Collapsible display container. 1,787,499; Jan. 6.
Tinsley, Edward O., assignor to Robert Gair Company, New York, N. Y. Partitioned display container and partition therefor. 1,799,656; Apr. 7.
Tinsley, Edward O., assignor to Robert Gair Company New York, N. Y. Collapsible carrying container. 1,799,657; Apr. 7.
Tinsman, John De W., Steubenville, Ohio. Rolling mill. 1,787,558; Jan. 6.
Tintner, Fritz, Vienna, Austria. Stretcher stand for vehicles. 1,789,163; Jan. 13.
Tippet, Philip V. (See Graham, T. G., and Tippet.)
Tippett, Charles C., Luckey, Ohio. Grain bag holder. 1,827,495; Oct. 13.
Tippett, William M. (See Cuthbert, Joseph W., assignor.)
Tip's Tool Company. (See Bodendieck, Henry W., assignor.)
Tipton, Charles W., et al. (See Tipton, John A., assignor.)
Tipton, Harry R. (See Gant, H. A., and Tipton.)
Tipton, John A., Muskogee, Okla., assignor of one-third to C. W. Tipton, Houston, Tex., and one-third to A. P. Brucker, Muskogee, Okla. Gas mixing device. 1,816,412; July 28.
Tipton, Ray E. (See Cline, T. E., and Tipton.)
Tiracchini, Vasco E., London, England. Apparatus for waving hair. 1,801,402; Apr. 21.
Tirrell, Frank, et al. (See Flynn, Jeremiah, assignor.)
Tisdale, James R. M., Vancouver, British Columbia, assignor to A. M. Ivey, Toronto, Ontario, Canada. Recording device. 1,824,179; Sept. 22.
Tisdale, Leo S., New Albany, Miss. Wind motor. 1,798,233; Mar. 31.
Tisdall, Hazel G., Toronto, Ontario, Canada. Dress protector. 1,838,013; Dec. 22.
Tison, Mose M., Cottage Grove, Oreg. Rotary cutter. 1,794,261; Feb. 24.
Tisza, Edmond T., and B. Joos, Yonkers, assignors to The Pyridium Corporation, Nepera Park, N. Y. Arsine oxide substitution products of phenyl-azo-alpha-alpha-diamono-pyridine. 1,827,680; Oct. 13.
Tisza, Edmond T., and B. Joos, Yonkers, assignors to The Pyridium Corporation, Nepera Park, N. Y. Obtaining halogen products of diaminopyridine. 1,830,301; Nov. 3.
Tisza, Edmond T., New York, and B. Joos, Yonkers, assignors to The Pyridium Corporation, Nepera Park, N. Y. Method of obtaining hydroxy-phenyl-azo-alpha-alpha-diamino-pyridines. 1,830,300; Nov. 3.
Titan Abrasives Co. (See Doermann, Albert J., assignor.)
Titan Tool Company. (See McKean, John W., assignor.)
Titan Tool Company. (See Walker, John V., assignor.)
Titania Corporation. (See von Bichowsky, Foord, assignor.)
Titanium Alloy Manufacturing Company, The. (See Kinzie, Charles J., assignor.)
Titanium Pigment Company. (See Ryan, Lonnie W., assignor.)
Titanium Pigment Company Inc. (See Farup, Peder.)
Titeflex Metal Hose Co. (See Stone, R. Harry, assignor.)
Titlestad, Nicolay. (See Hechenbleikner, I., and Titlestad.)
Tittemore, Frank A., Richmond, assignor to Hopkins Spray Equipment Company, San Francisco, Calif. Spray gun. 1,788,810; Jan. 13.
Tittemore, Frank A., Richmond, assignor to Hopkins Spray Equipment Company, San Francisco, Calif. Paint-spraying machine. 1,788,811; Jan. 13.
Tittemore, Frank A., Richmond, assignor to Hopkins Spray Equipment Company, San Francisco, Calif. Combined pressure control and water separator device for paint spraying machines. 1,807,230; May 26.
Tittensor, Harry A., assignor to A C Spark Plug Company, Flint, Mich. Odometer. 1,797,738; Mar. 24.
Tittensor, Harry A., assignor to A C Spark Plug Company, Flint, Mich. Ratchet drive for speedometers. 1,798,916; Mar. 31.
Titterington, George A., executor. (See Titterington, Morris M.)
Titterington, Morris M., Brooklyn, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Press. 1,789,486; Jan. 20.
Titterington, Morris M., Brooklyn, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 1,789,487; Jan. 20.
Titterington, Morris M., Brooklyn, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Garment press. 1,792,519; Feb. 17.
Titterington, Morris M., assignor, by mesne assignments, to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Inclinometer. 1,812,503; June 30.
Titterington, Morris M., Brooklyn, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Garment press. 1,827,341; Oct. 13.
Titterington, Morris M., deceased, Brooklyn, N. Y.; George A. Titterington, executor, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Earth inductor generator. 1,819,488; Aug. 18.
Tittle, Harry W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Knife. 1,834,555; Dec. 1.
Tittle, Hulbert C., Chicago, Ill., assignor to General Electric Company. Film controlled switch. 1,821,775; Sept. 1.
Titus, Hubert J., Paterson, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Steam engine. 1,821,532; Sept. 1.
Titus, Leon, Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Cancasing machine. 1,791,174; Feb. 3.
Titus, Paul, Pittsburgh, Pa. Method of and apparatus for injecting medicated solutions. 1,794,215; Feb. 24.
Titus, Thomas L., Omaha, assignor of one-fourth to M. Blackburn, Omaha, Nebr., and one-fourth to F. K. Hart, Council Bluffs, Iowa. Liquid dispensing valve. 1,805,790; May 19.;
Tjernblom, Charles A., Minneapolis, Minn. Automatic damper. 1,830,575; Nov. 3.
Toaz, Glenn A., Cleveland, Ohio. Forming valve stem collars. 1,823,009; Sept. 15.
Tobias, Jerry J. (See Tobias, J. J., and Applebaum.)
Tobin, Kenneth J. (See Beauchamp, W. A., and Tobin.)
Tobin, Kenneth J. (See Eklind, C. E., and Tobin.)
Tobin, Kenneth J. (See Fehr, E. J., and Tobin.)
Tobin, Kenneth J. (See Goodnow, T. H., and Tobin.)

Tobin, Kenneth J. (See Heinen, F. C., Tobin, and Wasberg.)
Tobin, Kenneth J. (See Vegren, C. R., and Tobin.)
Tobin, Kenneth J. (See Wasberg, A., and Tobin.)
Tobin, Kenneth J., and C. E. Eklind, assignors to Camel Company, Chicago, Ill. Car-door track. 1,798,180; Mar. 31.
Tobin, Kenneth J., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Door for refrigerator cars. 1,798,181; Mar. 31.
Tobin, Kenneth J., and A. Wasberg, assignors to Camel Company, Chicago, Ill. Latching mechanism for hopper doors. 1,811,902; June 30.
Tobin, Kenneth J., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Corner door construction. 1,814,647; July 14.
Tobin, Kenneth J., and A. Wasberg, assignors to Camel Company, Chicago, Ill. Flush car door. 1,821,591; Sept. 1.
Tobin, Kenneth J., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Door operating means. 1,825,027; Sept. 29.
Tobin, Kenneth J., and C. E. Eklind, Chicago, Ill., assignors to Camel Company. Locking means for car doors. 1,828,912; Oct. 27.
Tobin, Kenneth J., and A. Wasberg, assignors to Camel Company, Chicago, Ill. Latching means for drop end gondola cars. 1,829,073; Oct. 27.
Tobin, Kenneth J., and W. A. Beauchamp, assignors to Camel Company, Chicago, Ill. Latching means for house car doors. 1,834,508; Dec. 1.
Tobin, Kenneth J., and V. E. Edwards, assignors to Camel Company, Chicago, Ill. Hasp construction. 1,835,123; Dec. 8.
Tobin, William H., Boston, Mass. Method of and apparatus for handling fire hose. 1,825,488; Sept. 29.
Tobler, Werner, assignor to the firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Piston for single-acting engines. 1,789,089; Jan. 13.
Toce, Charles A., Houston, Tex. Game table. Des. 85,499; Nov. 3.
Toce, Charles A., Houston, Tex. Game table. Des. 85,561; Nov. 10.
Toce, Charles A., and A. Clark, Houston, Tex. Triple cam internal combustion motor. 1,810,688; June 16.
Toch, Maxmilian, assignor to Standard Varnish Works. New York, N. Y. Portland-cement modifying composition. 1,793,143; Feb. 17.
Tochtermann, Hans, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Coloring rubber. 1,823,921; Sept. 22.
Tochtermann, Hans, Mannheim, and C. Heuck, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of rubber. 1,814,420; July 14.
Tod, Erich, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Tube transmitter keying method. 1,828,852; Oct. 27.
Todd, Charles W., Schenectady, N. Y. Axle-journal bearing. 1,797,301; Mar. 24.
Todd, Charles W., Schenectady, N. Y. Locomotive structure. 1,805,115; May 12.
Todd, Charles W., Schenectady, N. Y. Railroad vehicle. 1,814,099; July 14.
Todd Company, The. (See Bohrer, Raymond E., assignor.)
Todd Company, The. (See Payne, Walter B., assignor.)
Todd Company, The. (See Smith, Burgess W., assignor.)
Todd Company Incorporated, The. (See Bohrer, Raymond E., assignor.)
Todd Dry Dock Engineering and Repair Corporation. (See Haynes, George P., assignor.)
Todd Dry Dock, Engineering & Repair Corporation. (See McDonald, James, assignor.)
Todd, James H., Brooklyn, N. Y., and G. F. Wheeler, Riverside, Conn. Floating airport. 1,813,263; July 7.
Todd, John H., assignor to The Key-Tag Checking System Company, Cleveland, Ohio. Laundry checking device. 1,820,101; Aug. 25.
Todd, Libanus M., Rochester. N. Y. Article receptacle. 1,791,586; Feb. 10.
Todd, Mabie, & Co. (See Most, Lucifer J., assignor.)
Todd, Paul H., Kalamazoo, Mich. Soap. 1,835,101; Dec. 8.
Todd, William C., Victoria, British Columbia, Canada, assignor to Economy Irrigation Company, Inc., Seattle, Wash. Quick coupling valve device. 1,817,430; Aug. 4.
Toddy, Inc. (See Pritchard, William C., assignor.)
Todes, Mollie, Milwaukee, Wis. Garment. 1,810,150; June 16.
Todt, Wilhelm, Lautawerk/Lausitz, Germany. Removing gases from molten light-metals such as aluminum and its alloys. 1,810,801; June 16.
Toelle, Walter H., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Curtain carrier. 1,827,443; Oct. 13.
Toenniessen, Ernst, Tubingen, Germany. Multiple roller drawing frame with tilting lever weight. 1,837,926; Dec. 22.
Toewe, Fritz, assignor, by mesne assignments, to Kienzle Taxameter und Apparate A. G., Villingen, Germany. Self-starting synchronized motor-drive means for clocks. 1,788,812; Jan. 13.
Toewe, Fritz, assignor, by mesne assignments, to Kienzle Taxameter und Apparate A. G. Villingen, Germany. Synchronous motor for driving clocks and the like. 1,788,813; Jan. 13.
Toewe, Fritz, Villingen, assignor to Kienzle Uhrenfabriken Aktiengesellschaft, Schwenningen, Karl W. Lange, Berlin-Wilmersdorf, and Deutscher Versicherungs-Verkehr, A.-G., Berlin-Dahlem, Germany. Apparatus for recording the distances travelled by conveyances. 1,816,751; July 28.
Toews, G. I. (See Covey, George, assignor.)
Toews, Peter J. (See Roehl, F. M., and Toews.)
Toews, Peter J., New York, N. Y. Dough former. 1,829,120; Oct. 27.
Tofflemire, Benjamin F., Berkeley, Calif. Parachute-release safety device. 1,800,575; Apr. 14.
Toffolo, Luigi, and L. Toffolo, jr., Spokane, Wash. Rotary polishing machine. 1,832,267; Nov. 17.
Toft, George W., Mountain View, Calif. False tooth. 1,804,898; May 12.
Toft, Lewis J., Trenton, N. J. Automobile headlight construction. 1,793,569; Feb. 24.
Togami, Nobufumi, Saga, Japan. Electric distributing system. 1,787,500; Jan. 6.
Toguieri, Charlotte M., Long Island City, N. Y. Infant's belly band. 1,808,694; June 2.
Toivonen, Lauri, East Elmhurst, N. Y. Window-shade adjuster. 1,796,971; Mar. 17.
Tokheim Oil Tank and Pump Company, The. (See Bechtold, Reuben E., assignor.)
Tokumi, Ushichiro, New York, N. Y. Electric self-winding device. 1,800,486; Apr. 14.
Toland, George C. (See Brass, F., Otten, and Toland.)
Toldi, Umberto, Verona, Italy. Advertising. 1,823,772; Sept. 15.
Toledo General Manufacturing Company, The. (See Schenck, Charles F., assignor.)
Toledo Machine & Tool Company, The. (See Dorman, N. W., and Hatch, assignors.)
Toledo Machine & Tool Company, The. (See Hatch, Meredith R., assignor.)
Toledo Machine & Tool Company, The. (See Hinde, Henry J., assignor.)
Toledo Machine & Tool Company, The. (See Schloz, Arthur H., assignor.)
Toledo Pipe Threading Machine Co., The. (See Vosper, William W., assignor.)
Toledo Porcelain Enamel Products Company, The. (See Smith, Earle S., assignor.)
Toledo Scale Company. (See Williams, Lawrence S., assignor.)
Toledo Scale Manufacturing Company. (See Hapgood, Clarence H., assignor.)
Toledo Scale Manufacturing Company. (See Heitz, Frank F., assignor.)
Toledo Scale Manufacturing Company. (See Hem, Halvor O., assignor.)
Toledo Scale Manufacturing Company. (See Hurt, Samuel N., assignor.)
Toledo Scale Manufacturing Company. (See Kelley, Leonard O., assignor.)
Toledo Scale Manufacturing Company. (See Marshall, Charles O., assignor.)
Toledo Scale Manufacturing Company. (See Reeves, Orwell C., assignor.)
Toledo Scale Manufacturing Company. (See Thomas, Edward G., assignor.)
Toledo Scale Manufacturing Company. (See Van Doren, Harold L., assignor.)
Toledo Scale Manufacturing Company. (See Wetzel, Lewis C., assignor.)
Toleik, John A., West Orange, N. J., assignor to American Can Company, New York, N. Y. Electric soldering means. 1,815,280; July 21.
Toler, William L., Mounds, Ill. Display stand. 1,821,592; Sept. 1.
Tolerton, Ray E., Fort Wayne, Ind., assignor to The Magnavox Company, Chicago, Ill. Loud speaker. 1,820,585; Aug. 25.
Toles, Justin K., San Francisco, Calif. Filamentous material and making same. 1,834,556; Dec. 1.
Toles, Melvin F., Myton, Utah. Cable knife. 1,813,368; July 7.
Tolhurst Machine Works. (See Bryson, Tandy A., assignor.)
Tolhurst Machine Works, Inc. (See Bryson, Tandy A., assignor.)
Tolhurst Machine Works, Inc. (See Bryson, T. A., and Williams, assignors.)
Tolkow, Isidore, New York, N. Y. Coin holder. 1,814,064; July 14.
Tolle, William. (See Neely, A. L., and Tolle.)
Tollemache, Humphrey D. (See Suffern, Ernest S., assignor.)
Tollerton, William J., G. S. Goodwin, Chicago, and A. F. Lepple, Rock Island, Ill. Wrist-pin mounting and fastening. 1,789,326; Jan. 20.
Tolley, Donald B., Macomb, assignor to American Steel Products Co., Macomb, Ill. Electrically heated brooder. 1,813,001; July 7.
Tolman, Charles P., Kew Gardens, assignor to Petroleum Conversion Corporation, New York, N. Y. Method of and apparatus for heating and mingling fluids. 1,821,333; Sept. 1.

Tolman, Edgar B., jr., Chicago, Ill. Conveyer. 1,819,346; Aug. 18.
Tolman, George S., jr., Braintree, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Metallic fastening. 1,816,162; July 28.
Tolson, William A., Rexford, N. Y., assignor to General Electric Company. Transmission of pictures. 1,792,259; Feb. 10.
Tolson, William A., Rexford, N. Y., assignor to General Electric Company. Signal system. 1,792,335; Feb. 10.
Tolson, William A., Erlton, N. J., assignor to General Electric Company. Speed control apparatus. 1,818,963; Aug. 11.
Tomanek, Louis, Chicago, Ill. Well drill. 1,833,477; Nov. 24.
Tomarin, William, Cincinnati, Ohio. Coin-operated pressing device. 1,795,056; Mar. 3.
Tomaso, Salvatore D., Chicago, Ill. Street indicator. 1,815,424; July 21.
Tombler, Laura F., Minneapolis, Minn. Wall-surface protector. 1,796,226; Mar. 10.
Tomes, Percy A., Brooklyn, N. Y. Reversible cartridge for plastic material. 1,787,962; Jan. 6.
Tomeshko, George, assignor of ten percent to Andrew Hardisky, Trucksville, Pa. Drilling machine. 1,819,211; Aug. 18.
Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 83,365; Feb. 17.
Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 83,366; Feb. 17.
Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 83,367; Feb. 17.
Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 83,368; Feb. 17.
Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 83,369; Feb. 17.
Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate of similar article. Des. 83,370; Feb. 17.
Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 83,371; Feb. 17.
Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate of similar article. Des. 83,372; Feb. 17.
Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 83,373; Feb. 17.
Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 83,374; Feb. 17.
Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 83,375; Feb. 17.
Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 83,376; Feb. 17.
Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 83,377; Feb. 17.
Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 83,378; Feb. 17.
Tomita, Urasaburo, Astoria, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 83,479; Feb. 24.
Tomkinson, Charles C., Plainfield, N. J., assignor, by mesne assignments, to J. Edward Ogden Company, New York, N. Y. Toggle bolt. 1,788,814; Jan. 13.
Tomkinson, Charles C., Plainfield, N. J., assignor, by mesne assignments, to J. Edward Ogden Company, New York, N. Y. Expansion shield. 1,795,057; Mar. 3.
Tomkinson, Charles C., Plainfield, N. J., assignor, by mesne assignments, to J. Edward Ogden Company, New York, N. Y. Operating and control mechanism for ferry bridges. 1,797,808; Mar. 24.
Tomkinson, Charles C., Plainfield, N. J., assignor, by mesne assignments, to J. Edward Ogden Company, New York, N. Y. Expansion shield. 1,800,968; Apr. 14.
Tomkinson, Charles C., assignor, by mesne assignments, to J. Edward Ogden Company, New York, N. Y. Toggle bolt. 1,805,319; May 12.
Tomlin, James H. (See Calmus, C. J., and Tomlin.)
Tomlinson, Alfred E., Cleveland, Ohio. Valve for urns. 1,791,914; Feb. 10.
Tomlinson, Alfred E., Cleveland Heights, Ohio. Double-valve construction. 1,800,368; Apr. 14.
Tomlinson, Francis E., Philadelphia, Pa. Battery lifting tongs. 1,833,342; Nov. 24.
Tomlinson, Frank B., assignor to Reynolds Metals Company, Louisville, Ky. Sealing carton. 1,805,533; May 19.
Tomlinson, Frank R., Bay City, Mich. Unitary valve and mixing chamber. Re18,285; Dec. 15.
Tomlinson, George E., Winchester, Ky. Takedown table. 1,792,406; Feb. 10.
Tomlinson, George G., assignor to Kewanee Manufacturing Company, Kewanee, Ill. Window construction. 1,833,139; Nov. 24.
Tomlinson, Joe L. et al. (See Hitchcock, Guy F., assignor.)
Tomlinson, John K., Chicago, Ill. Shade roller. 1,827,444; Oct. 13.
Tomlinson, Robert W., Exeter, Calif. Elevating and stacking apparatus. 1,789,917; Jan. 20.
Tomlinson, William A., and H. B. Bearden, Phoenix, Ariz. Saw table. 1,813,783; July 7.
Tomlinson, William E., Dearborn, Mich. Feeding device. 1,791,175; Feb. 3.
Tompax Manufacturing Company, The. (See Menninger, E. A., and Thompson, assignors.)
Tompkins, Charles B., assignor of one-half to J. W. Lassiter, Los Angeles, Calif. Dispensing device. 1,835,541; Dec. 8.
Tompkins, Deal H. (See Bartram, T. W., and Tompkins.)
Tompkins, Deal H. (See Magoun, G. L., and Tompkins.)
Tompkins, Deal H., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Cleansing and preserving of metallic surfaces. 1,808,184; June 2.
Tompkins, Deal H., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Cleaning and preserving of metallic surfaces. 1,808,185; June 2.
Tompkins, Deal H., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Cleaning and preserving of metallic surfaces. 1,808,186; June 2.
Tompkins, Deal H., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Cleaning and preserving of metallic surfaces. 1,808,187; June 2.
Tompkins, Deal H., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Pickling metals. 1,808,188; June 2.
Tompkins, Emerson, assignor to Scovill Manufacturing Company, Waterbury, Conn. Flash light switch. 1,816,877; Aug. 4.
Tompkins, Jesse J., Houston, Tex. Woodworking machine. 1,829,313; Oct. 27.
Tomkinson, Charles C., Plainfield, N. J., assignor, by mesne assignments, to J. Edward Ogden Company, New York, N. Y. Toggle bolt. 1,819,828; Aug. 18.
Tomtlund, Karl H., Karlstad, Sweden. Pneumatic sheet laying-off device. 1,838,200; Dec. 29.
Toncray, Millard H. (See Fekete, S. I., and Toncray.)
Toncray, Millard H., assignor to Hudson Motor Car Company, Detroit, Mich. Vehicle seat. 1,812,067; June 30.
Toncray, Millard H., assignor to Hudson Motor Car Company, Detroit, Mich. Doorstop strap. 1,819,212; Aug. 18.
Toncray, Millard H., assignor to Hudson Motor Car Company, Detroit, Mich. Automobile body. 1,820,257; Aug. 25.
Toncray, Millard H., assignor to Hudson Motor Car Company, Detroit, Mich. Name plate attaching means. 1,820,925; Sept. 1.
Toncray, Millard H., and J. W. Greig, assignors to Hudson Motor Car Company, Detroit, Mich. Hinge. 1,812,908; July 7.
Toncray, William S., Phoenix, Ariz. Air cooling and conditioning apparatus. 1,805,963; May 19.
Tondreau, Albert, assignor to Warner Bros. Pictures, Inc., Los Angeles, Calif. Lens shifting mechanism for projecting machines. 1,822,551; Sept. 8.
Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Grinding wheel. 1,795,354; Mar. 10.
Tone, Robert L., Gilman, Iowa. Dispensing device. 1,802,359; Apr. 28.
Toner, Ernest L., Rockland, Me. Display holder. 1,801,027; Apr. 14.
Toneray, Millard H., assignor to Hudson Motor Car Company, Detroit, Mich. Adjustable windlace. 1,836,094; Dec. 15.
Tongue, R. E., & Brothers Company. (See Rolston, Kenneth P., assignor.)
Tonietti, Simon, Cougar, Calif. Gauging rod. 1,789,610; Jan. 20.
Tonietti, Simon, Cougar, Calif. Recording device. 1,827,178; Oct. 13.
Tonkinson, Frank N., Longmont, Colo. Direction indicating signal for automobiles. 1,837,380; Dec. 22.
Tönnessen, Stefan D., and A. T. Knudsen, Kristianssand, Norway. Casting of concrete walls for buildings, dams, and other articles made of concrete. 1,789,791; Jan. 20.
Tontet, George V., Buenos Aires, Argentina. Tank for the transportation of volatile liquids. 1,807,108; May 26.
Toogood, Henry H., Los Angeles, Calif. Tie or clamp for building forms. 1,820,509; Aug. 25.
Toolan, John J. (See Gollnick, P. A., and Toolan.)
Toole, Harry S. (See Guenther, A. E., and Toole.)
Toomey, Jeremiah F., New York, and J. F. McNally, Brooklyn, N. Y. Automobile jacking device. 1,828,913; Oct. 27.
Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Driving and stopping mechanism. 1,791,176; Feb. 3.
Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Thermostatically controlled switch. 1,802,792; Apr. 28.
Topick, Mike, Smicksburgh, Pa. Hillside plow. 1,833,763; Nov. 24.
Topp, Charles L., Center Township, Wis. Muskrat trap. 1,816,269; July 28.

Topp, Mathias, Gjovik, assignor to O. Mustad & Son, Oslo, Norway. Device for the manufacture of fishhooks. 1,792,556; Feb. 17.
Topp, William H., assignor, by mesne assignments, to The Starr Piano Company, Richmond, Ind. Brake actuating mechanism. 1,804,570; May 12.
Topper, William S., Bucyrus, Ohio. Sack holder. 1,788,132; Jan. 6.
Toppin, Hubert M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Key holder for tools. 1,798,234; Mar. 31.
Topping, John A., Bronxville, N. Y. Making strip shingles. 1,831,374; Nov. 10.
Topping, Wilbur. (See Melson, A. W., and Topping.)
Torance, William, Calgary, Alberta, Canada. Grain stooking machine. 1,828,754; Oct. 27.
Torazzi, Mario F. Vancouver, British Columbia, Canada. Variable railway axle. 1,803,080; Apr. 28.
Torgersen, Dag, Oslo, Norway. Machine for mending knitted, woven, or similar articles. 1,836,296; Dec. 15.
Torgerson, Joseph L., Milwaukee, Wis. Saw-blade attachment. 1,797,108; Mar. 17.
Torgerson, Theodore C., Alexander, N. Dak. Baby bottle steam heater. 1,828,628; Oct. 20.
Torikata, Ryuzo, Osaka, Japan. Preparation of specific antigen coctoimmunogen. 1,833,384; Nov. 24.
Torkelson, Eilet M., Elizabeth, N. J. Airplane. 1,802,226; Apr. 21.
Tormin, Hermann. (See Himmelsbach, F., and Tormin.)
Törnebohm, Hilding V., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Tolerance gauge. 1,793,763; Feb. 24.
Tornkvist, Erik G., New York, N. Y. Safety razor. 1,830,576; Nov. 3.
Torok, Martin, Brawley, Calif. Clock. 1,832,753; Nov. 17.
Toronto Type Foundry Company, Limited. (See Huffman, Louis, assignor.)
Torosian, Charles. (See Fanarjian, John, assignor.)
Torr, Thomas W., assignor to Rudy Furnace Company, Dowagiac, Mich. Gas radiator. Des. 84,062; Apr. 28.
Torr, Thomas W., assignor to The Rudy Furnace Company, Dowagiac, Mich. Air-heating furnace. 1,790,777; Feb. 3.
Torrance, Henry, New York, N. Y., assignor to The Carbondale Machine Co., Carbondale, Pa. Distillate-chilling apparatus. 1,796,772; Mar. 17.
Torrance, Wilfred J., Cleveland, Ohio. Method and apparatus for using crude oil as a motor fuel. 1,829,074; Oct. 27.
Torrance, Wilfred J., assignor of one-third to E. B. Magner, Cleveland, Ohio. Method and apparatus for operating oil wells. 1,790,450; Jan. 27.
Torre, Egidio, Genoa, Italy. Pilot-valve-steered slide valve. 1,792,665; Feb. 17.
Torre, Egidio, Genoa, Italy. Feed regulator for steam boilers. 1,809,535; June 9.
Torrese, Apollo, Philadelphia, Pa. Smoker's pipe. 1,835,124; Dec. 8.
Torrey, Lucian L., Los Angeles, Calif. Refrigerating apparatus. 1,809,002; June 9.
Torrison, Edward L., San Francisco, assignor to E. W. Phillips, Oakland, Calif. Sandpapering and rubbing machine. 1,788,603; Jan. 13.
Torridaire Company. (See Baysinger, Virgil R., assignor.)
Torson, Martin G., Long Beach, Calif. Dishwashing machine. 1,807,677; June 2.
Toscano, Louis P., assignor to Fonda Container Company, Inc., Utica, N. Y. Clamp for a machine for forming paper containers. 1,820,102; Aug. 25.
Tost, Charles R., Centredale, and C. A. Domler, assignors to The Hadley Company, Inc., Providence, R. I. Bracelet attachment. 1,830,042; Nov. 3.
Tostenson, Hans T., Nicollet, Minn. Repeating air gun. 1,825,489; Sept. 29.
Toulmin, Harry A., jr. (See Robbins, W. H., and Toulmin.)
Toulmin, Harry A., jr., Dayton, assignor to Cemroc, Inc., Cincinnati, Ohio. Machine for manufacturing building material. 1,796,636; Mar. 17.
Toulon, Pierre M. G., Puteaux, France. System for transmitting and amplifying vibratory currents and movements. 1,822,758; Sept. 8.
Toulon, Pierre M. G., Puteaux, assignor to Etablissements Ragonot, Malakoff, France. Tension regulating device. 1,830,450; Nov. 3.
Touly, Marcel L., Paris, France, assignor to General Electric Company. Frequency-increasing device employing mercury vapor lamps. 1,821,821; Sept. 1.
Tour, Sam. (See Morin, L. H., and Tour.)
Tournier, Edward P., Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for supporting strands. 1,818,591; Aug. 11.
Tournier, Edward P., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Clamping device. 1,818,659; Aug. 11.
Tourtois, Fernand, New York, N. Y., assignor to Coty, Inc., New York, N. Y. Stand for manicure sets. 1,790,122; Jan. 27.
Toussaint, Jeanne. (See Cartier, L. J., and Toussaint.)
Tower, Dewey R. (See Thorsness, O. D., and Tower.)
Tower, Edwin, B. H., jr. (See Mellowes, Alfred W., assignor.)
Towers, George N. Roy, Wash. Paper handling device. 1,837,507; Dec. 22.
Tower, Henry M., Hastings upon Hudson, N. Y. Connection for connecting piston rods to main rods of engines. 1,820,638; Aug. 25.
Towers, Augustus R., Richmond, Va. Ice melting device. 1,824,638; Sept. 22.
Towers, Charles H., Haddonfield, N. J., assignor to The National Cash Register Company, Dayton, Ohio. Numbering and dating attachment for adding machines and sale and cash registers. 1,799,333; Apr. 7.
Towle Manufacturing Company. (See Nock, Harold E., assignor.)
Towle, Manufacturing Company. (See Poppenhauser, Ferdinand, assignor.)
Towne, Earle A., assignor to Union Steel Products Company, Albion, Mich. Cartage or display cabinet. 1,826,102; Oct. 6.
Towne, Judson R., Minneapolis, Minn. Moving-picture reel. 1,793,198; Feb. 17.
Townend, Hubert C. H., Teddington, assignor to Boulton & Paul Limited, Riverside Works, Norwich, Norfolk, England. Reducing eddy formation in the airflow passing aircraft bodies. 1,813,645; July 7.
Towner, Clifford, Winchester, assignor to United-Carr Fastener Corporaton, Cambridge, Mass. Separable fastener. 1,791,472; Feb. 3.
Towner, Heber F., deceased, Santa Ana, Calif.; P. G. Beissel, executor of the estate, assignor to B. V. Curry, trustee. Disk harrow. 1,827,125; Oct. 13.
Townili, Ervin A., Lockport, Ill. Valve. 1,825,028; Sept. 29.
Townley, Erwin, New York, N. Y. Suet cage. Des. 85,404; Oct. 20.
Townley, Nancy, executrix. (See Townley, William, deceased.)
Townley, Philip B., Rumson, and W. R. Townley, East Orange, N. J., assignors to Paas Dye Company. Coloring eggs or the like. 1,829,689; Oct. 27.
Townley, William, deceased. Accrington; N. Townley, executrix, assignor to Entvisle & Kanyon Limited, Accrington, England. Carpet sweeper. 1,834,356; Dec. 1.
Townley, William R. (See Townley, Philip B., and W. R.)
Townsend, Clinton B., New York, N. Y. Electrical method of and means for observing objects in motion. 1,801,466; Apr. 21.
Townsend, Donald L., Rochester, assignor to The Symington Company, New York, N. Y. Retaining device. 1,817,720; Aug. 4.
Townsend, Edythe C. H., and H. N. Carlson, Ardsley-on-Hudson, N. Y. Bridge table. 1,833,728; Nov. 24.
Townsend, Frank B., Penn Yan, N. Y. Wire handle for fruit baskets. 1,815,125; July 21.
Townsend, Frank B., assignor of one-half to J. E. McMath, Penn Yan, N. Y. Basket handle. 1,818,511; Aug. 11.
Townsend, Frank P. (See Shover, B. R., and Townsend.)
Townsend, George H., Flushing, N. Y. Accelerator. 1,826,906; Oct. 13.
Townsend, George H., and C. H. Behnke, Flushing, N. Y. Accelerator and foot rest. 1,826,968; Oct. 13.
Townsend, George R., Schenectady, N. Y., assignor to General Electric Company. Roller double contact mechanism. 1,828,692; Oct. 20.
Townsend, Harry E., Brooklyn, N. Y. Wrapping machine. 1,796,773; Mar. 17.
Townsend, Harry E., Brooklyn, N. Y. Wrapping machine. 1,813,974; July 14.
Townsend, Herbert E., East Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Grinding machine. 1,803,492; May 5.
Townsend, Howard W., Richmond, Ind. Handle assembly. 1,830,862; Nov. 10.
Townsend, John R. (See Cook, C. D., and Townsend.)
Townsend, John R., Lake Bluff, Ill., assignor to Westinghouse Electric & Manufacturing Company. Junction box. 1,818,177; Aug. 11.
Townsend, John S., assignor to Whiting Corporation, Harvey, Ill. Automatic mechanical load brake. 1,795,058; Mar. 3.
Townsend, John S., Toledo, Ohio, assignor to Whiting Corporation, Harvey, Ill. Overhead crane. 1,835,357; Dec. 8.
Townsend, Knowlson, San Francisco, and R. Hill, Oakland, Calif. Oil burner. 1,810,689; June 16.
Townsend, Oliver C., Washington, D. C. Trousers supporter. 1,830,302; Nov. 3.
Townsend, Percival J., Los Angeles, Calif. High frequency amplifier. 1,808,150; June 2.
Townsend, Ralph H., Mount Vernon, N. Y., assignor to Paramount Publix Corporation. Method and apparatus for use in connection with the making of sound records. 1,836,205; Dec. 15.
Townsend, Ralph H., Mount Vernon, N. Y., assignor to Paramount Publix Corporation. Method and apparatus for use in connection with the making of sound records. 1,836,206; Dec. 15.
Townsend, Richard C., Canton, and P. C. Roettinger, Wyoming, Ohio. Child's vehicle. 1,791,391; Feb. 3.
Townsend, William, Chicago, Ill., assignor to The Connersville Blower Company, Inc., Connersville, Ind. Unloading valve. 1,804,133; May 5.
Townsend, William S., Rochester, Pa., assignor, by mesne assignments, to The Wayne Company, Baltimore, Md. Liquid dispensing apparatus. 1,810,151; June 16.
Townsend, William S., Rochester, Pa., assignor, by mesne assignments, to The Wayne Pump Company, Baltimore, Md. Liquid dispensing apparatus. 1,816,623; July 28.

Towson, Sheldon K., Cleveland Heights, Ohio, assignor to Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,823,516; Sept. 15.
Towy, Lillian, Inglewood, Calif. Milk bottle cap package. 1,838,797; Dec. 29.
Toy, Hugh T., Sidney, Ohio. Pedestal. 1,820,103; Aug. 25.
Toye, Paul W., New Orleans, La. Automatic quick stop signal. 1,827,445; Oct. 13.
Toyoda, Kiichiro, Tokyo, Japan. Buffing device in power looms. 1,792,131; Feb. 10.
Toyoda, Kiichiro, Tokyo, Japan. Safety device for shuttle changing apparatus for use in automatic looms. 1,802,162; Apr. 21.
Tracey, Daniel F., Huntington, W. Va. Silent flushing apparatus. 1,836,632; Dec. 15.
Tracey, James, Boonton, N. J. Roller skate. 1,835,446; Dec. 8.
Trachsel, Louis S., Franklin, Pa. Brick for furnace arches of the suspended type and the arch formed thereby. 1,793,031; Feb. 17.
Trachsel, Louis S., Franklin, Pa. Structural shape and making same. 1,802,397; Apr. 28.
Tracy, Howard E., assignor to O. S. Walker Company, Inc., Worcester, Mass. Electric switch for magnetic chucks. 1,837,693; Dec. 22.
Tracy, James J., Cleveland, Ohio. Carburation. 1,820,873; Aug. 25.
Tracy, John M., and F. R. Scherer, Rochester, N. Y., assignors to Prose-Mace Manufacturing Company, Kansas City, Mo. Locking device for blackboards. 1,810,305; June 16.
Tracy, Michael J., St. Louis, Mo. Window. 1,790,733; Feb. 3.
Tracy, Michael J., St. Louis, Mo. Safety flushing apparatus. 1,815,384; July 21.
Tracy, Michael J., St. Louis County, Mo. Window. 1,818,438; Aug. 11.
Tracy, Michael J., St. Louis County, Mo. Floor construction. 1,824,180; Sept. 22.
Tradup, Albert, West Englewood, N. J., assignor to American Telephone and Telegraph Company. Telephone system. 1,821,993; Sept. 8.
Traeger, Henry, Auburn, and F. H. Jensen, Seattle, Wash. Well drilling machinery. 1,825,984; Oct. 6.
Traer, Glenn W., assignor to Northern Liquite Coal Company, Chicago, Ill. Producing an artificial fuel. 1,810,878; June 16.
Traff, Carl A., Des Moines, and A. E. Johnson, Rockwell City, assignors of one-third to W. Breau, Des Moines, Iowa. Novelty savings bank. 1,790,959; Feb. 3.
Traffic Signs & Signals, Inc. (See Jacobson, W., and Schiller, assignors.)
Trafton, Howard A., Brooklyn, assignor to The Nestle-Lemur Company, New York, N. Y. Casing for a hair-waving machine. Des. 84,119; May 5.
Trager, Martin E., Lansing, Mich. Time alarm switch operating mechanism. 1,801,699; Apr. 21.
Trageser, Albert H., and L. Hassinger, New York, N. Y. Steel jacketed copper boiler. 1,817,857; Aug. 4.
Trail, Charles R. (See Brauer, H., and Trail.)
Trainer, James E., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Link for chain grate stokers. 1,812,125; June 30.
Trainer, James E., and I. L. Langvand, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Economizer. 1,818,769; Aug. 11.
Trainor, Foster J., assignor of one-half to A. J. Malby, Daytona Beach, Fla. Radio receiving system. 1,831,519; Nov. 10.
Trambatt, David, et al. (See Gralinski, Joseph, assignor.)
Tranaas, Emil. (See Sheck, O., and Tranaas.)
Tranaas, Emil L., assignor to Koehring Company, Milwaukee, Wis. Control mechanism for concrete paving machines. 1,824,580; Sept. 22.
Trane, Raymond, Omaha, Nebr. Window cleaner. 1,827,121; Oct. 13.
Trane, Reuben N., La Crosse, Wis. Tube-expanding device. 1,788,474; Jan. 13.
Trane, Reuben N., La Crosse, Wis. Forming radiators. 1,791,517; Feb. 10.
Trane, Reuben N., La Crosse, Wis. Radiator. 1,797,535; Mar. 24.
Trane, Reuben N., La Crosse, Wis. Radiator. 1,805,116; May 12.
Trane, Reuben N., La Crosse, Wis. Radiator. 1,806,186; May 19.
Trane, Reuben N., La Crosse, Wis. Vacuum heating system. 1,828,302; Oct. 20.
Transformer Corporation of America. (See Doyle, Edward J., assignor.)
Transitone Automobile Radio Corporation. (See Heina, William M., assignor.)
Trans-Lux Daylight Picture Screen Corporation. (See Birdsall, Wilfred T., assignor.)
Trans-Lux Daylight Picture Screen Corporation. (See Blohm, August H., assignor.)
Trans-Lux Daylight Picture Screen Corporation. (See Halloran, Frank E., assignor.)
Trans-Lux Daylight Picture Screen Corporation. (See Hanks, Austin K., assignor.)
Trans-Lux Daylight Picture Screen Corporation. (See Weller, Frank E., assignor.)
Transo Envelope Company. (See Schneider, Franz P., assignor.)
Transportation Devices Corporation. (See Harris, Charles W., assignor.)
Transtrom, Robert L. (See Edwards, C. H., and Transtrom.)
Transue and Williams Steel Forging Corporation. (See Nagy, Peter M., assignor.)
Transue and Williams Steel Forging Corporation. (See Van Der Meer, Peter C. A., assignor.)
Traphagen, Harry R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Lever detent mechanism. 1,824,515; Sept. 22.
Traphagen, Harry R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Wheeled cultivator. 1,833,624; Nov. 24.
Trapp, Minnie E. (See Barsony, Emery J., assignor.)
Trapper, William, Sacramento, Calif. Compressor unloading device. 1,806,925; May 26.
Tratsch, Walter A., Chicago, Ill. Release for vending merchandise. 1,831,893; Nov. 17.
Traub, Emil, Newark, N. J. Automatic phonograph stop. 1,824,847; Sept. 29.
Traub, Emil, Newark, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating means for bearing surfaces. 1,809,649; June 9.
Traube, Isidor, Berlin, Germany. Doing away with the nicotine and the methylalcohol when smoking tobacco. 1,826,331; Oct. 6.
Traut, Clifford, assignor to The Higgin Manufacturing Company, Newport, Ky. Screen protecting device. 1,833,140; Nov. 24.
Traute, Henry C., Monmouth Beach, N. J., assignor to The Diamond Match Company, Chicago Ill. Combined match book and golf tee holder. 1,788,177; Jan. 6.
Trautman, Ira, Freeport, assignor to Air Sealed Tire Corporation, New York, N. Y. Molding tires. 1,821,679; Sept. 1.
Trautmann, Otto C., New York, N. Y. Condensing apparatus. 1,816,133; July 28.
Trautmann, Otto E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Field glass. Des. 83,585; Mar. 3.
Trautmann, Otto E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Binocular. Des. 83,934; Apr. 14.
Trautner, William L., Milwaukee, Wis. Clamp. 1,795,525; Mar. 10.
Trautvetter, George, assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Construction and assembly of sheet metal doors. 1,812,024; June 30.
Trautvetter, William G., Paterson, N. J. Adjustable loom warp beam. 1,824,639; Sept. 22.
Trautwein, Jacob O., Chicago, Ill. Match packet. 1,819,395; Aug. 18.
Traux, Frank N., Fonda, Iowa. Automatic spark retarder for internal combustion engines. 1,819,576; Aug. 18.
Travelad Corporation. (See Ellern, Albert J., assignor.)
Travelers Insurance Company, The. (See Hill, Robert J., assignor.)
Traveler's League, Incorporated. (See Knabenshue, Brace S., assignor.)
Travell, Warren. (See Powelson, W. V. N., and Travell.)
Traver, Harry G., Beaver Falls, Pa. Amusement coaster railway. 1,805,266; May 12.
Traver, Harry G., Beaver Falls, Pa. Amusement ride. 1,806,102; May 19.
Traver, Harry G., Beaver Falls, Pa. Amusement ride. 1,823,010; Sept. 15.
Traver, Harry G., Beaver Falls, Pa. Amusement ride. 1,827,303; Oct. 13.
Traver, John F., New York, N. Y. Electronic valve. 1,838,201; Dec. 29
Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Circuit interrupter. 1,796,066; Mar. 10.
Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Circuit interrupter. 1,796,131; Mar. 10.
Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Circuit protection. 1,814,869; July 14.
Traver, Philip C., Lynbrook, assignor to Jamaica Sea Airport, Jamaica, N. Y. Mooring mast. 1,806,655; May 26.
Traver, William A., Providence, and J. M. Wood, Pawtucket, assignor to Franklin Process Company, Providence, R. I. Dyeing machine. 1,813,784; July 7.
Travers, Charles J., assignor to Gilson Manufacturing Co., Port Washington, Wis. Supporting base. 1,788,133; Jan. 6.
Travers, Henry A., Forest Hills Borough, Pa., assignor to Westinghouse Electric & Manufacturing Company. Periodic reclosing circuit breaker. 1,788,134; Jan. 6.
Travers, John T., assignor to The Ohio Sanitary Engineering Corporation, Columbus, Ohio. Purifying acid waste and recovering values therefrom. 1,793,342; Feb. 17.
Travers, John T., assignor to The Ohio Sanitary Engineering Corporation, Columbus, Ohio. Purifying industrial waste liquors. 1,824,936; Sept. 29.
Travers, John T., and O. M. Urbain, assignors to The Ohio Sanitary Engineering Corporation, Columbus, Ohio. Granular fertilizer and producing the same. 1,810,802; June 16.

Travers, Morris W., Clifton, Bristol, assignor to Regenerative Coal Gasification System, Limited, London, England. Apparatus for the manufacture of mixed gas. 1,834,810; Dec. 1.
Travilla, James C., jr., Philadelphia, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck centering device. 1,828,002; Oct. 20.
Travilla, James C., jr., Philadelphia, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Locomotive spring equalizing system. 1,828,003; Oct. 20.
Travis, B. C. (See Criley, Wallace K., assignor.)
Travis, Bertram C., assignor of one-half to Pacific Copper and Brass Works, Incorporated, Los Angeles, Calif. Tool for handling plug closures. 1,799,876; Apr. 7.
Travis, Bertram C., assignor of one-half to Pacific Copper and Brass Works, Incorporated, Los Angeles, Calif. Valve chamber construction. 1,818,439; Aug. 11.
Travis, Charles, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Glow discharge device. 1,814,270; July 14.
Travis, George B., Santa Paula, Calif. Adjustable chair seat. 1,827,627; Oct. 13.
Travis, John M., St. Louis, Mo. Beverage dispensing apparatus. 1,822,117; Sept. 8.
Travis, Pierce M., Ridgewood, assignor to Travis Process Corporation, Jersey City, N. J. Treating petroleum oils. 1,798,341; Mar. 31.
Travis Process Corporation. (See Travis, Pierce M., assignor.)
Travis, Simeon E., jr., Hattiesburg, Miss., assignor to The Weldmech Steel Products Co. Metallic truck body. 1,806,428; May 19.
Travis, Simeon E., jr., Hattiesburg, Miss., assignor to The Weldmech Steel Products Co. Underframe for truck bodies. 1,806,429; May 19.
Travis, Simeon E., jr., Hattiesburg, Miss., assignor to The Weldmech Steel Products Co. Metallic truck body. 1,815,813; July 21.
Travis, Simeon E., jr., Hattiesburg, Miss., assignor to The Weldmech Steel Products Co. End closure structure for truck bodies. 1,820,850; Aug. 25.
Travis, Simeon E., jr., Hattiesburg, Miss., assignor to The Weldmech Steel Products Co. Truck body. 1,828,629; Oct. 20.
Travis, Simeon E., jr., Hattiesburg, Miss., assignor to The Weldmech Steel Products Co. Underframe for the bottom of truck bodies. 1,837,927; Dec. 22.
Trav-ler Manufacturing Corporation. (See Magee, Frank A., assignor.)
Traxel, Charles E., Rome, assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Spooling mechanism. 1,834,749; Dec. 1.
Tray Service Company. (See McGinley, James M., assignor.)
Traylor Engineering & Mfg. Company. (See Bernhard, Richard, assignor.)
Traylor, William, and V. D. Arthur, Fortville, Ind. Display rack. 1,816,705; July 28.
Traynor, William M., Cornwall-on-Hudson, N. Y. Combination garments. 1,806,430; May 19.
Trayway Mfg. Co. (See Morehouse, Frank B., assignor.)
Trbojevich, Nikola, Detroit, Mich. Worm gearing. 1,790,606; Jan. 27.
Trbojevich, Nikola, Detroit, Mich. Worm gearing. 1,790,608; Jan. 27.
Trbojevich, Nikola, Detroit, Mich. Gear cutter. 1,790,609; Jan. 27.
Trbojevich, Nikola, Highland Park, Mich. Steering gear. 1,790,607; Jan. 27.
Trbojevich, Nikola, Highland Park, Mich. Cutting gears and apparatus therefor. 1,820,409; Aug. 25.
Trbojevich, Nikola, Highland Park, Mich. Gear hob and making and using the same. 1,820,410; Aug. 25.
Trbojevich, Nikola, Highland Park, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Globoid worm. 1,792,782; Feb. 17.
Trbojevich, Nikola, Highland Park, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Generating gears. 1,812,384; June 30.
Trbojevich, Nikola, Highland Park, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Worm gearing. 1,815,685; July 21.
Treacy, Cyril S., Mount Vernon, assignor to International Neon Company, Incorporated, New York, N. Y. Operation of luminous tubes. 1,811,100; June 23.
Treadwell, M. H., Company. (See Astrom, Carl P., assignor.)
Treadwell, M. H., Company. (See Olson, Johan H., assignor.)
Treadwell, William D., Zurich, assignor to Aluminum Industrie Aktiengesellschaft, Neuhausen, Switzerland. Electrolytic refining of metallic aluminum. 1,816,304; July 28.
Treanor, Edward D., Pittsfield, Mass., assignor to General Electric Company. Incased variable-voltage ratio transformer. 1,801,125; Apr. 14.
Treanor, Edward D., Pittsfield, Mass., assignor to General Electric Company. Incased electrical apparatus. 1,808,583; June 2.
Treat, Francis H., deceased, Bellevue, Ohio, assignor of one-half to Duff Patents Company, Inc.; G. D. Treat, administratrix, Pittsburgh, Pa. Gas producer. 1,801,398; Apr. 21.
Treat, Francis H., Bellevue, Ohio, assignor to Duff Patents Company, Inc., Pittsburgh, Pa. Gas producer. 1,826,156; Oct. 6.
Treat, Grace D., administratrix. (See Treat, Francis H.)
Treat, Sidney W., Chicago, Ill., assignor, by mesne assignments, to Signode Steel Strapping Company. Box strapping machine. 1,805,791; May 19.
Trebert, Henry L. F., Canandaigua, N. Y. Internal-combustion engine having oscillating pistons. 1,796,735; Mar. 17.
Trebert, Henry L. F., Canandaigua, N. Y. Brake mechanism. 1,833,448; Nov. 24.
Trebes, Bruno M. A., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Pump. 1,796,814; Mar. 17.
Trebitsch, Oskar. (See Neuber, F., and Nowak, assignors.)
Trebitz, Gotthard. (See Jonas, O., Weger, and Trebitz.)
Trechcinski, Roman, Warsaw, Poland, assignor to Telefonaktie Bolaget L. M. Ericsson, Stockholm, Sweden. Circuit arrangement for the sending of current impulses over telephone lines. 1,822,635; Sept. 8.
Trechsel, Max., assignor to the Firm Sulzer Frères Société Anonyme, Winterthur, Switzerland. Double acting internal combustion engine. 1,806,319; May 19.
Treece, Jesse H., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Glassware forming machine. 1,807,095; May 26.
Trefethen, Charles G. (See Belden, A. G., and Trefethen.)
Trefethen, Charles G., assignor to Norton Company, Worcester, Mass. Fluid-pressure-operated work support. 1,791,392; Feb. 3.
Tregoning, William C., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Warning light receptacle. 1,802,360; Apr. 28.
Tregoning, William C., assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Plug cap for separable attachment plugs. 1,803,983; May 5.
Tregoning, William C., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric pull switch mechanism. 1,815,172; July 21.
Tregoning, William C., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Pull chain snap switch mechanism. 1,815,173; July 21.
Treiber Company, The. (See Treiber, Theodore R., assignor.)
Treiber Diesel Engine Corporation. (See Treiber, Otis D., assignor.)
Treiber, Otis D., Collingswood, assignor to Treiber Diesel Engine Corporation, Camden, N. J. Internal-combustion engine. 1,792,201; Feb. 10.
Treiber, Otis D., Collingswood, assignor to Treiber Diesel Engine Corporation, Camden, N. J. Fuel feed control means for internal combustion engines. 1,803,515; May 5.
Treiber, Otis D., Collingswood, assignor to Treiber Diesel Engine Corporation, Camden, N. J. Internal combustion engine structure. 1,803,516; May 5.
Treiber, Otis D., Collingswood, assignor to Treiber Diesel Engine Corporation, Camden, N. J. Fuel feed controlling means for internal combustion engines. 1,823,713; Sept. 15.
Treiber, Otis D., Narberth, assignor to Treiber Diesel Engine Corporation, Camden, N. J. Liquid fuel feeding means for internal combustion engines. 1,804,660; May 12.
Treiber, Theodore R., Chicago, Ill., assignor, by mesne assignments, to The Brunswick-Balke-Collender Company, Bowling alley. 1,795,624; Mar. 10.
Treiber, Theodore R., Chicago, Ill., assignor, by mesne assignments, to The Brunswick-Balke-Collender Company. Bowling alley pit cushion structure. 1,805,267; May 12.
Treiber, Theodore R., assignor to The Treiber Company, Chicago, Ill. Closet construction. 1,838,469; Dec. 29.
Treibmann, Ernst, Leipzig, Germany. Electrode for unipolar high-frequency curative treatment. 1,812,224; June 30.
Treiman, Morris. (See Holmes, G. E., and Treiman.)
Tremblay, Joseph A., and J. O. Dumoulin, Dobleau, Quebec, Canada. Packing device. 1,833,764; Nov. 24.
Tremblay, Maria V., Willimantic, Conn. Pot and pan cover. 1,810,860; June 16.
Tremblay, Maria V., Willimantic, Conn. Cigarette holder. 1,825,490; Sept. 29.
Trembly, Frank H., jr. (See Heyn, H. M., and Trembly.)
Trembour, Max R., Bearer Borough, and J. A. Auth, Moon Township, Beaver County, assignors to Colonial Steel Company, Pittsburgh, Pa. Manufacturing jailbar steel ingots. 1,834,750; Dec. 1.
Tremellen, William E., Los Angeles, Calif. Holder for receptacles. 1,803,817; May 5.
Tremolada, Guglielmo, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Screw-type brake-operating mechanism for draw works. 1,792,617; Feb. 17.
Tremolieres, Gustave H., Neuilly-sur-Seine, France. Driving chain. 1,791,984; Feb. 10.
Tremont Nail Company. (See Woodruff, William G., assignor.)
Tremont Products Corporation. (See Smith, Raymond D., assignor.)
Trempe, William J., North Billerica, Mass. Automatic compensator for traveling felt in paper making machines. 1,826,103; Oct. 6.

Trench, Harry G., Hartford, Conn., assignor to The Union Trust Company, Cleveland, Ohio. Spring shackle. 1,792,783; Feb. 17.
Trenkler, John H., and W. A. King, Hornell, N. Y. Extension table. 1,824,640; Sept. 22.
Trenor, Albert D., assignor to J. H. Hammond, jr., Gloucester, Mass. Closure for musical instruments. 1,795,355; Mar. 10.
Trenor, Albert D., assignor to J. H. Hammond, jr., Gloucester, Mass. Torpedo course calculator. 1,814,462; July 14.
Trent, Harold E., Lansdowne, Pa. Control system. 1,816,942; Aug. 4.
Trent, Kline S., Roanoke, Va., assignor to The Pilliod Company, Swanton, Ohio. Reverse yoke for locomotive valve gears. 1,827,122; Oct. 13.
Trent Process Corporation. (See Trent, Walter E., assignor.)
Trent, Walter E., assignor to Trent Process Corporation, New York, N. Y. Process of cracking coal and oil. Re18,234; Oct. 20.
Trent, Walter E., New York, N. Y., assignor to The Trent Process Corporation. Mercury-vapor boiler. 1,792,784; Feb. 17.
Trent, Walter E., New York, N. Y., assignor to The Trent Process Corporation. Producing metals from their oxide ores. 1,814,461; July 14.
Trent, Walter E., New York, assignor to Trent Process Corporation, New York, N. Y. Carbonizing materials. 1,814,463; July 14.
Trent, Walter E., assignor to Trent Process Corporation, New York, N. Y. Distilling carbonaceous materials. 1,818,912; Aug. 11.
Trent, Walter E., New York, N. Y., assignor to The Trent Process Corporation. Process of and apparatus for baking carbonaceous materials. 1,833,801; Nov. 24.
Trent, Walter E., assignor to Trent Process Corporation, New York, N. Y. Producing carbonized particles from coking coal. 1,838,882; Dec. 29.
Trent, Walter E., assignor to Trent Process Corporation, New York, N. Y. Producing carbonized particles from finely pulverized coal. 1,838,883; Dec. 29.
Trent, Walter E., assignor to Trent Process Corporation, New York, N. Y. Producing fuel. 1,838,884; Dec. 29.
Trépadé, Henri, Paris, France. Utilizing hygroscopic products with brooms. 1,822,831; Sept. 8.
Trepte, Alfred H. C., Los Angeles, Calif. Clamping vise. 1,798,342; Mar. 31.
Trepte, Alfred H. C., Los Angeles, Calif. Supporting devices for garden hose. 1,803,153; Apr. 28.
Tresback, Louis F., Teaneck Township, Bergen County, N. J. Check book. 1,805,268; May 12.
Treschow, Michael, Brooklyn, assignor to F. L. Smidth & Co., New York, N. Y. Wheel. 1,792,049; Feb. 10.
Treschow, Michael, Brooklyn, assignor to F. L. Smidth & Co., New York, N. Y. Grinding mill. 1,831,049; Nov. 10.
Treschow, Michael, Copenhagen, Denmark. Upright boiler with magazine above the zone of combustion. 1,836,736; Dec. 15.
Trescott, Le Roy C., Woodbury, N. J., assignor, by mesne assignments, to Contact Filtration Company. Apparatus for the recovery of solid materials by extraction. 1,794,874; Mar. 3.
Tresise, Raleigh E., et al. (See Barnhart, Job R., assignor.)
Tresner, Raymond B., Mabton, Wash. Thread cutter. 1,814,196; July 14.
Tretolite Company. (See De Groote, Melvin, assignor.)
Tretolite Company. (See De Groote, M., and Monson, assignors.)
Tretolite Company. (See De Groote, M., Monson, and Keiser, assignors.)
Tretolite Company. (See Roberts, Claudius H. M., assignor.)
Trevellyan, Vernon B., Evanston, and W. W. Smith, Chicago, Ill. Fabricating machine. 1,829,971; Nov. 3.
Trevett, Earl H., and H. A. Davis, assignors to Draper Corporation, Hopedale, Mass. Brake for high-speed warpers. 1,794,345; Feb. 24.
Trevillian, William J., assignor to The W. T. Rawleigh Company, Freeport, Ill. Brush handle. Des. 83,771; Mar. 24.
Trevorrow, Havelock, Birmingham, England. Apparatus for the dipping of tubes or rods for pickling, etc. 1,820,851; Aug. 25.
Trezise, Sidney T., Rossburgh, South Africa. Storage of volatile liquids. 1,808,618; June 2.
Trezona, Charles, Ely, and E. A. Malmgren, Duluth, Minn. Nonspilling pocket gate. 1,795,979; Mar. 10.
Triangle Kapok Machine Corporation. (See Van Rensselaer, K. M., and Swanson, assignors.)
Triangle Packaging Company. (See Muskat, Louis R., assignor.)
Tribune Company, The. (See Von der Horst, Frederick, assignor.)
Tri Clover Machine Co. (See Hansen, James P., assignor.)
Trican, Gabriel, Issy-les-Moulineaux, France. Parachute. 1,838,970; Dec. 29.
Trico Products Corporation. (See Bean, Barton A., jr., assignor.)
Trico Products Corporation. (See Folberth, Frederick G. and W. M., assignors.)
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trico Products Corporation. (See Horton, E. C., and Hueber, assignors.)
Trico Products Corporation. (See Hueber, Henry, assignor.)
Trico Products Corporation. (See Hueber, H., and Horton, assignors.)
Trico Products Corporation. (See Hueber, H., and Oishei, assignors.)
Trico Products Corporation. (See Oishei, John R., assignor.)
Trico Products Corporation. (See Oishei, J. R., and Hueber, assignors.)
Trico Products Corporation. (See Oishei, W. E., and Wieland, assignors.)
Tridex Corporation. (See Crickmer, Charles S., assignor.)
Tridex Corporation. (See Wier, Stuart A., assignor.)
Trier, Vernon A., London, England. Pressure gauge for inflated bodies. 1,802,685; Apr. 28.
Triggs, Kenneth F., assignor to The Majestic Company, Huntington, Ind. Chute construction. 1,789,123; Jan. 13.
Triller, Benjamin J., Dubuque, Iowa. Ironing and wall table. 1,802,291; Apr. 21.
Trilling, George I. (See Welker, O. B., and Trilling.)
Trimbach, Frank X. (See Nejelski, Leo, assignor.)
Trimble, Arch J., assignor of one-half to G. H. Cabell, Pratt, W. Va. Paintbrush and bucket holder for ladders. 1,797,381; Mar. 24.
Trimble, Curtis R., assignor to Alert Electric Door Control Co., Los Angeles, Calif. Automatic door control. 1,833,542; Nov. 24.
Trimble, Eli. (See Baughn, Samuel C., assignor.)
Trimble, Joseph, Portland, Oreg. Rail-reconditioning machine. 1,796,696; Mar. 17.
Trimble, William H., and J. N. Clark, Dallas, Tex. Battery terminal clamp. 1,805,857; May 19.
Trimble, William L. R., Granbury, Tex. Cylinder head stand. 1,805,320; May 12.
Trimmer, La Mont V., Middle Valley, and F. R. Krial, Springtown, N. J.; said Krial assignor to said Trimmer. Bucket tripper for steam shovels, dredges, or the like. 1,837,081; Dec. 15.
Trimmer, Moses L., Craig, Mo. Mail-box support. 1,790,123; Jan. 27.
Trindl Company, The. (See Wishon, Ralph, assignor.)
Trindl, Joseph H., Aurora, Ill. Piston ring expander. 1,801,700; Apr. 21.
Trinity Wheel Corporation. (See Baker, Frederick W., assignor.)
Trinkl, Hans, Augsburg, Germany. Electromagnetic automatic circuit breaker. 1,808,441; June 2.
Trinkle, Carl, assignor to The Baldwin Company, Cincinnati, Ohio. Grand piano action. 1,829,314; Oct. 27.
Trinks, William W., New York, N. Y., assignor to Pullclean Manufacturing Corporation, Bridgeport, Conn. Coin-controlled towel cabinet. 1,790,182; Jan. 27.
Trinks, William W., deceased, Bridgeport; H. Braman, Stratford, Conn., administratrix; and B. W. Tucker, deceased; H. L. Tucker, administratrix, South Orange, N. J.; said W. W. Trinks, and said B. W. Tucker, assignors to Pullclean Manufacturing Corporation, Bridgeport, Conn. Winding machine. 1,810,690; June 16.
Trinks, Willibald, Pittsburgh, Pa., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Regenerator. 1,836,412; Dec. 15.
Trinks, Willibald, and J. D. Keller, Pittsburgh, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,836,409; Dec. 15.
Trinks, Willibald, and J. D. Keller, Pittsburgh, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,836,410; Dec. 15.
Trinks, Willibald, and J. D. Keller, Pittsburgh, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,836,411; Dec. 15.
Trinks, Willibald, and J. D. Keller, Pittsburgh, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass apparatus. 1,836,413; Dec. 15.
Trinquet, Louis, Pavillon S/Bois, and René Marcel Hamel, St. Ouen, France. Apparatus for burnishing silver plate. 1,812,909; July 7.
Tripet, John M. (See Schwob, H., and Tripet.)
Triple "XXX" Company. (See Morris, Edwin M., assignor.)
Triple "XXX" Company. (See Rudat, Paul C., assignor.)
Triplett, James B., assignor of one-half to H. C. Smith, Whittier, Calif., doing business under the fictitious name of H. C. Smith Mfg. Co.; Wm. H. Campbell and Wm. H. Maxwell, executors of last will of said James B. Triplett, deceased. Rotatable and releasable fishing tool with circulation. 1,795,322; Mar. 10.
Triplett, James B., Whittier, deceased; W. H. Campbell, Los Angeles, and W. H. Maxwell, Beverly Hills, executors, assignors to J. Grant, Los Angeles, Calif. Expanding rotary underreamer. 1,796,546; Mar. 17.
Triplett, James B., deceased, Whittier, W. H. Campbell, Los Angeles, and W. H. Maxwell, Beverly Hills, executors, assignors to J. Grant, Los Angeles, Calif. Underreamer with an hydraulic trigger. 1,804,850; May 12.
Triplett, William F., Grand Junction, Colo. Aeroplane propeller. 1,831,692; Nov. 10.
Tri-Plex Electrical Manufacturing Company (See Buckels, Christopher C., assignor.)
Triplex Safety Glass Company of North America. (See Bell, Frank H., assignor.)

Triplex Safety Glass Company of North America. (See Juers, John H., assignor.)
Triplex Washing Machine Corporation. (See Ditzler, Guy, E., assignor.)
Triplex Washing Machine Corporation. (See Sekavec, Joseph, assignor.)
Tripp, Charles A., Indianapolis, Ind., assignor, by mesne assignments, to The Tabulating Machine Company, New York, N. Y. Punched card accounting machine. 1,824,581; Sept. 22.
Trippensee, Christ W., Jefferson City, Mo. Chain fastener. 1,792,336; Feb. 10.
Trist, Arthur R., London, England, assignor, by mesne assignments, to Pantone Corporation, New York, N. Y. Mercurial printing surface. Re18,290; Dec. 15.
Trist, Arthur R., London, England, assignor to William Y. Dear, Montclair, N. J., as trustee. Planographic printing plate having mercurialized ink refusing areas for photomechanical printing. 1,811,734; June 23.
Trites, Howard E., Bridgewater, Mass. Poultry drinking stand. 1,803,413; May 5.
Tritle, John F. (See McNairy, J. W., and Tritle.)
Tritschler, Josef, Basel, Switzerland. Device for dropping of solid bodies from aircraft. 1,836,633; Dec. 15.
Triumph Manufacturing Company, The. (See Dell. George W., assignor.)
Trively, Rolland A., Randolph, Iowa, assignor to Deere & Company, Moline, Ill. Tractor guide. 1,827,123; Oct. 13.
Trix, Herbert B., P. G. Metzger, and V. G. Souder, assignors to American Injector Company, Detroit, Mich. Radiator screen. 1,833,141; Nov. 24.
Trobeck, Olof E., Berlin, Germany, assignor to The National Acme Company, Cleveland, Ohio. Turning and finishing pieces of work. 1,794,390; Mar. 3.
Trobridge, Geoffrey W., Sutton Coldfield, assignor to Dunlop Rubber Company Limited, Birmingham, England. Core for molding hollow rubber articles. 1,836,997; Dec. 15.
Trobridge Geoffrey W., Sutton Coldfield, E. A. Murphy, Erdington, Birmingham, F. Twiss, Wylde Green, and W. G. Gorham, Erdington, Birmingham, assignors to Dunlop Rubber Company Limited, Birmingham, England. Making articles from organic dispersions. 1,828,481; Oct. 20.
Troeger, Roy C., et al. (See Steele, Carmi J., assignor.)
Trofimov, Lev A., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Electroresponsive device. 1,810,306; June 16.
Troger, Richard. (See Petersen, W., and Tröger.)
Trogner, Arthur M. (See Bohner, C. E., and Trogner.)
Trogner, Arthur M., East Orange, N. J., assignor, by mesne assignments, to Federal Telegraph Company. Wave-changer system. 1,794,262; Feb. 24.
Trogner, Arthur M., East Orange, N. J., assignor, by mesne assignments, to Federal Telegraph Company. Potential-indicating device for signaling systems. 1,796,637; Mar. 17.
Trogner, Arthur M., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Piezo-electric crystal apparatus. 1,800,576; Apr. 14.
Trogner, Arthur M., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Piezo-electric crystal holder. 1,800,577; Apr. 14.
Trogner, Arthur M., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Fluid flow indicator. 1,814,235; July 14.
Trogner, Arthur M., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Inductance system. 1,818,363; Aug. 11.
Trogner, Arthur M., East Orange, N. J., assignor to Wired Radio Inc., New York, N. Y. Fluid flow meter. 1,819,138; Aug. 18.
Trogner, Arthur M., East Orange, N. J., assignor to Radio, Inc., New York, N. Y. Transmitting system. 1,823,177; Sept. 15.
Trogner, Arthur M., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Remote control radio receiving system. 1,826,845; Oct. 13.
Trogner, Arthur M., East Orange, N. J., assignor, by mesne assignments, to Federal Telegraph Company. Frequency changing switch. 1,830,682; Nov. 3.
Trogner, Arthur M., Maplewood, N. J., assignor to Wired Radio, Inc., New York, N. Y. Fluid flow conduit 1,815,938; July 28.
Trojan Powder Company. (See Boyd, Richard N., assignor.)
Trojan Powder Company. (See Lams, W. R., and Wyler, assignors.)
Trojan Powder Company. (See Snelling, Walter O., assignor.)
Trojan Powder Company. (See Snelling, W. O., and Rupp, assignors.)
Trojan Powder Company. (See Snelling, W. O., and Wyler, assignors.)
Troland, Leonard T., Malden, assignor to Comstock & Wescott, Inc., Boston, Mass. Color photography. 1,808,584; June 2.
Troland, Leonard T., Cambridge, assignor to Technicolor Motion Picture Corporation, Boston, Mass. Multiplex film and making. 1,821,680; Sept. 1.
Trolley Shoe Wheel Company. (See Henry, Andrew L., assignor.)
Trombetta, Panfilo, Milwaukee, Wis., assignor to General Electric Company. Solenoid magnet. 1,830,628; Nov. 3.
Trombetta, Panfilo, Milwaukee, Wis., assignor to General Electric Company. Pale shader for alternating current magnets. 1,837,928; Dec. 22.
Trombetta, Panfilo, Schenectady, N. Y., assignor to General Electric Company. Electromagnetically operated switch. 1,831,582; Nov. 10.
Trop, Morris S., Woodmere, N. Y. Apparatus for making chocolate cherries. 1,793,263; Feb. 17.
Tropenas Company. (See Broche, Leon J., assignor.)
Tropic-Aire, Incorporated. (See Butterfield, Vernon J., assignor.)
Tropic-Aire, Incorporated. (See Caesar, Orville S., assignor.)
Tropic-Aire Incorporated. (See Waters, Charles B., assignor.)
Troppe, Frederick J., Joliet, Ill. Musical traps. 1,808,085; June 2.
Trosch, Alfred, assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Apron mechanism for lathes. 1,794,657; Mar. 3.
Trosch, Alfred, assignor to Consolidated Machine Tool Corporation of America, Rochester N. Y. Milling machine. 1,825,684; Oct. 6.
Trosch, Alfred, assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Machine tool. 1,825,685; Oct. 6.
Trost, George B. (See Holz, J. C., and Trost.)
Trost, Gustave A., San Francisco, Calif. Carton. 1,800,415; Apr. 14.
Troth, Walter A., Brooklyn, N. Y. Kitchen utensil. 1,826,032; Oct. 6.
Trotman, Herbert A., North San Diego, Calif. Plug for sinks. 1,796,171; Mar. 10.
Trotman, Walter G., South Hadley Falls, Mass. Dandy roll. 1,815,939; July 28.
Trott. Rolland S., Denver, Colo. Engine mounting. 1,834,879; Dec. 1.
Trott. Rolland S., Denver, Colo. Engine mounting. 1,834,907; Dec. 1.
Trotta, Vincent. (See Oeffner, A. A., and Trotta.)
Trotter, Prince C., St. Joseph, Mo. Square. 1,831,693; Nov. 10.
Trotter, William, New York, and E. W. Wilkinson, Queens Village, assignors to Minerals Separation North American Corporation. New York, N. Y. Flotation concentration of phosphate-bearing material. 1,795,100; Mar. 3.
Trottman, Stafford, Milwaukee, Wis. Timepiece. 1,818,590; Aug. 11.
Trouant, Virgil E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of television. 1,832,672; Nov. 17.
Trout, Laurence E., Wichita Falls, Tex. Apparatus for indicating the flow of subsurface fluids. 1,796,547; Mar. 17.
Trout, Silas E., Philadelphia, Pa., assignor, by mesne assignments, to Remington Rand, Inc., New York, N. Y. Card index. Re18,053; Apr. 21.
Trout, Walter C., Lufkin, Tex. Beam hanger. 1,819,799; Aug. 18.
Trout, Walter C., Lufkin, Tex. Walking beam head yoke. 1,834,438; Dec. 1.
Trout, William A. (See Rasmussen, Chester A., assignor.)
Trout, William A. (See Rasmussen, C. A., and Trout.)
Trout, William A., et al. (See Dean, C. L., Lockwood, and Richie, assignors.)
Trout, William A., et al. (See Rasmussen, Chester A., assignor.)
Trouth, John E., assignor to Independent Oil Well Cementing Company, Oklahoma City, Okla. Sack severing device. 1,824,937; Sept. 29.
Troutman, Charles L. (See McDonald, C. C., and Troutman.)
Troutman, Ferdinand B., Elmhurst, Ill. Totalizing counter. 1,823,960; Sept. 22.
Trouton, Maurice, Cuddington, England, assignor to Wireless Music Limited. Electrical vibratory device such, for example, as a loud speaker. 1,822,465; Sept. 8.
Trowbridge, Charles W., assignor of one-half to R. J. Barnes and V. F. Barnes, Monmouth, Ill. Curtain hanger. 1,817,954; Aug. 11.
Trowbridge, Miles L. (See Brogden, E. M., and Trowbridge.)
Troxel Manufacturing Company, The. (See Linder, Andrew J., assignor.)
Troy Laundry Machinery Company. (See Adams, Arthur H., assignor.)
Troy Laundry Machinery Co. (See Hendry, William F., assignor.)
Troy Laundry Machinery Co. Inc. (See McKnight, Samuel H., assignor.)
Troy Laundry Machinery Company. (See Schenck, Le Roy C., assignor.)
Troy, Martin J., Atlantic Highlands, N. J., and F. Libby, Pawling, N. Y. Printing-ink roller. 1,790,124; Jan. 27.
Troy, Matthew O., Schenectady, N. Y., assignor to General Electric Company. Magnetic core for electrical apparatus. 1,805,534; May 19.
Troy, Max, Brooklyn, N. Y. Apparatus for sorting and tagging laundry. 1,823,773; Sept. 15.
Troy, Max, assignor to C. E. Bonoff, Brooklyn, N. Y. Washing machine. 1,794,216; Feb. 24.

Troy, Seymour, Brooklyn, N. Y. Woman's shoe. Des. 83,222; Feb. 3.
Troy, Seymour, New York, N. Y. Woman's shoe. Des. 83,883; Apr. 7.
Troy, Seymour, New York, N. Y. Woman's shoe. Des. 84,664; July 14.
Troy, Seymour, New York, N. Y. Woman's shoe. Des. 85,015; Sept. 1.
Troy, Seymour, New York, N. Y. Woman's shoe. Des. 85,016; Sept. 1.
Troy, Seymour, New York, N. Y. Woman's shoe. Des. 85,017; Sept. 1.
Troy, Seymour, New York, N. Y. Woman's shoe. Des. 85,018; Sept. 1.
Troy, Seymour, Brooklyn, N. Y. Shoe sole for a woman's shoe. Des. 85,063; Apr. 28.
Troy Sunshade Company, The. (See Dillingham, Frederick A., assignor.)
Troy Sunshade Company, The. (See Snook, Clarence G., assignor.)
Troy, Thomas H., Boise, Idaho. Animal shears. 1,804,963; May 12.
Troyer, Daniel L., Cleveland, Ohio. Pencil holder. 1,815,746; July 21.
Troyer-Fox Manufacturing Co. (See Troyer, N., and Pearson, assignors.)
Troyer, Mervyn B., Seattle, assignor to Seattle Astoria Iron Works, Seattle, Wash. Automatic switch and vacuum cut-out mechanism for can-body machines. 1,800,181; Apr. 14.
Troyer, Nelson, Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Packing for shafts. 1,812,385; June 30.
Troyer, Nelson, and P. E. Pearson, assignors to Troyer-Fox Manufacturing Co., Seattle, Wash. Can end lining machine. 1,811,162; June 23.
Truax, Charles C., Detroit, Mich. Treating furs. 1,824,105; Sept. 22.
Truax, Florence B., New York, N. Y. Mop-cleaning cabinet. 1,796,172; Mar. 10.
Trüb, Fritz, Rorschach, Switzerland. Button. 1,825,029; Sept. 29.
Trube, Carl E., deceased, by S. M. Trube, administratrix, Ossining, N. Y., assignor to Hazeltine Corporation. Electric coupling system. 1,798,962; Mar. 31.
Trube, Sarah M., administratrix. (See Trube, Carl E., deceased.)
Trudo, Eugene F., Weston, Mass. Removable seat. 1,827,124; Oct. 13.
Trudo, Joseph M. (See Fugle, C. H., Ostenberg, Maglein, Trudo, and Newton.)
Truesbury, Fred C., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Container. 1,806,320; May 19.
Truesdale, Reginald. (See Paull, W. H., and Truesdale.)
Truesdale, Reginald, R. C. Smith, and E. Simpson, Eddington, Birmingham, assignors to The Dunlop Rubber Company, Limited, Fort Dunlop, England. Apparatus for the manufacture of cords or strings. 1,797,249; Mar. 24.
Truesdell, Arthur E., et al. (See Niles, Glenn H., assignor.)
True-Test Terminal Corporation. (See Strahan, Harry J., assignor.)
Truett, Edgar, et al., trustees. (See Patzkowski, Elmer C.)
Truett, Velma S., and H. H. George, assignors to Trujo Banjo Co., Ltd., San Francisco, Calif. Attachment for stringed musical instruments. 1,826,969; Oct. 13.
Trujo Banjo Co. (See Truett, V. S., and George, assignors.)
Trullinger, Herbert A., Clackamas County, Oreg. Hen's nest. 1,811,338; June 23.
Trullinger, Thaddeus S., Astoria, Oreg. Truck for lifting and tilting articles. 1,798,565; Mar. 31.
Trumble, John T., Detroit, Mich. Shock absorber. 1,807,945; June 2.
Trumble, John T., Lansing, Mich. Rotary compressor. 1,834,509; Dec. 1.
Trumble, Milon J., Alhambra, assignor to McEvoy Wireless Well Strainer Corporation, Los Angeles, Calif. Apparatus for forming well screens. 1,790,515; Jan. 27.
Trumble, Milon J., deceased, Alhambra, Calif.; F. M. McDonnell, administrator. Furnace for making steel. 1,836,139; Dec. 15.
Trumble, Milon J., Los Angeles, Calif., assignor, by mesne assignments, to Coals and Chemicals Ltd. Shale distillation. 1,836,051; Dec. 15.
Trumbull Electric Manufacturing Company, The. (See Getchell, Benjamin E., assignor.)
Trumbull Electric Manufacturing Company. (See Hammerly, Herman J., assignor.)
Trumbull Electric Manufacturing Company, The. (See Hanny, Charles E., assignor.)
Trumbull Electric Manufacturing Company, The. (See Leppert, Henry E., assignor.)
Trumbull Electric Manufacturing Company, The. (See Young, Frank A., assignor.)
Trumbull, Frank S., Providence, R. I. Sipper spoon. Des. 84,064; Apr. 28.
Trumbull, Frank S., Providence, R. I. Spoon or similar article. Des. 84,265; May 26.
Trumbull, Harlan L. (See Schade, J. W., and Trumbull.)
Trumbull-Vanderpoll Electric Manufacturing Company, The. (See Daute, Joseph J., assignor.)
Trump, Charles A., Derry, Pa. Poultry leg-band placer and remover. 1,810,631; June 16.
Trump, Darrell E., Utica, assignor to Norden Laboratories, Lincoln, Nebr. Teat-tumor remover. 1,795,580; Mar. 10.
Trump, Elno H., Akron, Ohio. Stamping machine. 1,807,499; May 26.
Trumpler, William E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vibration indicator. 1,822,118; Sept. 8.
Trunz, Max, Brooklyn, N. Y. Bias bacon slicer. 1,809,764; June 9.
Truog, Emil, Madison, Wis. Testing reaction of substances. 1,831,894; Nov. 17.
Trupar Manufacturing Company. (See Geiler, Frederick C., assignor.)
Trupar Manufacturing Company. (See Lindsay, Lynn G., assignor.)
Trupar Manufacturing Company. (See Yount, Clarence B., assignor.)
Trupiano, Gerome, Brooklyn, N. Y. Safety clothespin. 1,810,542; June 16.
Trupiano, Gerome, Brooklyn, N. Y. Protective strainer and cooking pot. 1,810,543; June 16.
Trupiano, Gerome, Brooklyn, N. Y. Fountain shaving brush. 1,810,544; June 16.
Trupiano, Gerome, Brooklyn, N. Y. Sterilizer. 1,810,545; June 16.
Truscon Steel Company. (See Hughes, G. A., and Pool, assignors.)
Truscon Steel Company. (See Kahn, Julius, assignor.)
Truscon Steel Company. (See Kahn, J., and White, assignor.)
Truscon Steel Company. (See Kane, Thomas H., assignor.)
Truscon Steel Company. (See King, G., and Howard, assignor.)
Truscon Steel Company, The. (See Morgan, David H., assignor.)
Truscon Steel Company. (See Schaffert, Adolph H., assignor.)
Truscon Steel Company. (See White, Herbert E., assignor.)
Truscon Steel Company. (See White, H. E., and Fisbel, assignors.)
Truscott, Starr. (See Jacobsohn, I. M., and Truscott.)
Trusler, Edmund B., Connersville, Ind. Gear timing system. 1,816,552; July 28.
Truslow, Henry C. (See Johnson, G. W., and Truslow.)
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Loose-leaf book. 1,790,778; Feb. 3.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Cover for loose-leaf binders. 1,790,779; Feb. 3.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Hinged book cover. 1,791,693; Feb. 10.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Loose-leaf binder. 1,800,268; Apr. 14.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Cover for loose leaf book and making same. 1,802,793; Apr. 28.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Cover for temporary binder. 1,802,794; Apr. 28.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Cover for loose leaf books. 1,822,552; Sept. 8.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Hinged book cover. 1,822,942; Sept. 15.
Trussell, Homer A., Chicago, Ill. Fuel distribution and vaporization. 1,827,830; Oct. 20.
Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)
Truttier, Lawrence O. (See Giffel, John L., assignor.)
Trutzel, Albert, assignor to the firm Schwarz-Presse, Aktiengesellschaft, Stendal, Germany. Surface-printing, rotary sheet printing press. 1,814,498; July 14.
Truxell, Whitely W., Greensburg, Pa. Roller. 1,796,673; Mar. 17.
Tsang Ho, Ching, Passaic, N. J., assignor to E. C. Kunz, Montclair, N. J. Making alcohols from aldehydes. 1,802,468; Apr. 28.
Tsavaris, John E., Tarpon Springs, Fla. Measuring dispenser. 1,829,842; Nov. 3.
Tschappat, Sheridan P., Tulsa, Okla. Coupling or T for use in connection with oil well tubing. 1,804,290; May 5.
Tschappat, Sheridan P., assignor of one-half to H. Callahan, Tulsa, Okla. Slip. 1,797,166; Mar. 17.
Tschappat, Sheridan P., Tulsa, Okla., assignor of one-half to H. Callahan, Independence, Kans. Tubing hanger. 1,830,893; Nov. 10.
Tscherne, Alois, Rorschach, Switzerland. Machine for manufacture of rotary cutting tools. 1,799,608; Apr. 7.
Tschirgi, Harry F., Portland, Oreg. Wearing attachment for footwear. 1,838,720; Dec. 29.
Tschirner, Frederick M., Medford, N. J., assignor to Zeolite Chemical Company, New York, N. Y. Base exchange zeolite and preparing same. 1,804,964; May 12.
Tschunkun, Eduard, Cologne-Mulheim, and H. Meis, Leverkusen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing substituted guanidines. 1,794,875; Mar. 3.

Tschunkur, Eduard, and W. Bock, Cologne-Mulheim, Germany. Artificial rubber. 1,826,846; Oct. 13.
Tschuwikowsky, Sergei I., and G. Liachovetzky, Moscow, Union of Socialist Soviet Republics. Cooking sulphite cellulose. 1,793,264; Feb. 17.
Tsuchiya, Konosuke, Sausalito, Calif. Liquid container. Re18,215; Sept. 29.
Tsuyuki, Keiji, Tokyo, Japan, assignor to General Electric Company. Method and apparatus for inside coating bulbs. 1,817,783; Aug. 4.
Tubach, Friedrich A., San Francisco, Calif. Variable-speed gear mechanism. 1,788,815; Jan. 13.
Tübben, Ludwig. (See Maruhn, J., and Tübben.)
Tubbs, Ira I., Superior, Wis. Shoe cleat. 1,799,334; Apr. 7.
Tubize Chatillon Corporation. (See Davis, Carl H., assignor.)
Tubman, Benjamin S., Little Compton, R. I. Rear glare guard. 1,790,333; Jan. 27.
Tubular Air-Craft Corporation. (See Zwinkel, Karl M. E., assignor.)
Tuck, Clarence M., Seattle, Wash., assignor to Morris & Boogher, Inc. Blade for concrete mixers. 1,791,880; Feb. 10.
Tuck, Clarence M., assignor to Morris & Boogher, Inc., Seattle, Wash. Transit concrete mixer. 1,820,954; Sept. 1.
Tuck, George A., San Francisco, Calif. Gas furnace. 1,807,051; May 26.
Tuck, George A., San Francisco, Calif. Control valve mechanism for gas furnaces. 1,820,510; Aug. 25.
Tuck, George A., San Francisco, Calif. Fuel supply control mechanism for gas burners. 1,828,883; Oct. 27.
Tuck, George A., San Francisco, Calif. Hot air furnace. 1,830,008; Nov. 3.
Tucker, Albert, and J. S. Van Ausdal, Pensacola, Fla. Airplane. 1,801,028; Apr. 14.
Tucker, Alfred B., Los Angeles, Calif. Internal-combustion engine. 1,798,508; Mar. 31.
Tucker, Alfred W. G., assignor to Ferranti, Limited, Hollinwood, Lancaster, England. Electric switch. 1,809,498; June 9.
Tucker, Benjamin W. (See Trinks, W. W., and Tucker.)
Tucker Duck & Rubber Co. (See Tucker, H. T., assignor.)
Tucker, Edward A., Winchester, Mass. Building construction. 1,799,400; Apr. 7.
Tucker, Elmer C., and F. J. Roche, assignors to Crocker-McElwain Company, Holyoke, Mass. Paper message sheet. 1,838,885; Dec. 29.
Tucker, Emmitt M., Medford, Oreg. Power driven snow vehicle. 1,810,505; June 16.
Tucker, Frank N., New York, N. Y., assignor to Ilg Electric Ventilating Company, Chicago, Ill. Condenser. 1,788,499; Jan. 13.
Tucker, Halcyon L., administratrix. (See Trinks, W. W., and Tucker.)
Tucker, Henry T., assignor to Tucker Duck & Rubber Co., Fort Smith, Ark. Golf bag. 1,809,536; June 9.
Tucker, Herbert E., South Bend, Ind., assignor to Universal Draft Gear Attachment Co. Draft gear. 1,831,084; Nov. 10.
Tucker, John B., Birmingham, England. Electric switch of the tumbler type. 1,838,239; Dec. 29.
Tucker, Max D., assignor to The Evans Auto Loading Co., Inc., Detroit, Mich. Railroad car floor and constructing the same. 1,807,715; June 2.
Tucker, Robert, Jamaica Plain, Mass. Electric lamp. Des. 83,379; Feb. 17.
Tucker, Robert, Jamaica Plain, Mass. Electric lamp. Des. 84,310; June 2.
Tucker, Robert R., assignor to National Tank Seal Company, Tulsa, Okla. Oil tank construction. 1,815,531; July 21.
Tucker, Robert T. (See Osterstrom, R. C., and Tucker.)
Tucker, Sydney. (See Lockett, J. W., and Tucker.)
Tucker, William B., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine blade mounting. 1,829,881; Nov. 3.
Tucker, William D., assignor to Century Furniture Company, Grand Rapids, Mich. Bedstead frame. Des. 83,652; Mar. 10.
Tucker, William D., assignor to Century Furniture Company, Grand Rapids, Mich. Cabinet. Des 83,653; Mar. 10.
Tucker, William D., assignor to Century Furniture Company, Grand Rapids, Mich. Chair. Des. 84,860; Aug. 11.
Tuck-Tite Lock and Fastener Company Limited. (See Widmer, Harry A., assignor.)
Tudor Potteries, Inc. (See McFarlin, Gerald H., assignor.)
Tudorov, Marko, San Pedro, Calif. Oil burner. 1,803,414; May 5.
Tuel, Lewis F., Placentia, Calif. Fuel-control device for engines. 1,799,542; Apr. 7.
Tuerck, Oscar, Portland, Oreg., assignor to The McKenzie Company. Method and apparatus for making concrete pipe. 1,810,583; June 16.
Tufts, Lesley R., assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Fold plate shifter. 1,803,370; May 5.
Tufts, Lesley R., assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Stacker stop. 1,831,271; Nov. 10.
Tufts, Lesley R., East Cleveland, and A. Olson, assignors to The Cleveland Folding Machine Company, Cleveland, Ohio. Sheet deflector. 1,825,217; Sept. 29.
Tuggy, Effie M., assignor of one-eighth to M. C. Frank, Oakland, Calif. Sanitary cap. 1,796,638; Mar. 17.
Tuininga, Gerald A., Everett, Wash. Electrical transmission of vibrations. 1,838,886; Dec. 29.
Tulchin, David, New York, N. Y. Turnstile. Re18,211; Sept. 29.
Tulchin, David, New York, N. Y. Text chart for phonographs. 1,788,784; Jan. 13.
Tuley, William F., Nutley, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Dispersing carbon. 1,818,770; Aug. 11.
Tulinski, Adam, Jersey City, N. J. Accessory for cemeteries. 1,830,629; Nov. 3.
Tull, Roger, assignor to Western Lithograph Company, Los Angeles, Calif. Decalcomania. 1,826,228; Oct. 6.
Tully, George L., assignor to American Optical Company, Southbridge, Mass. Goggles. 1,816,752; July 28.
Tumlin, James C., Birmingham, Ala. Automobile brake. 1,800,969; Apr. 14.
Tumminello, Charles E., assignor of one-fourth to S. A. Greenberg, and one-fourth to H. K. Angel, Pittsburgh, Pa. Self sorting card files. 1,819,929; Aug. 18.
Tunick, David. (See Walker, Ernest A., assignor.)
Tunison, Art C. (See Hardies, C. H., Jones, and Tunison.)
Tunnel Machine Manufacturing and Engineering Company. (See Sheen, Milton R., assignor.)
Tuorto, Louis L., Pequanac, N. J. Compound for cleaning and polishing surfaces. 1,815,599; July 21.
Tura, Paolo, Treviglio, near Milan, Italy, assignor to the Firm Vereinigte Thuringer Metallwarenfabriken, A. G., Zella-Mehlis, Germany. Valve key. 1,825,562; Sept. 29.
Turbine Sewer Machine Company. (See Fuchs, Frederick, W., assignor.)
Turbine Sewer Machine Company. See Fuchs, Philip A., assignor.)
Turbo-Mixer Corporation, The. (See Bakewell, Gifford C., assignor.)
Turbo-Mixer Corporation, The. (See Beers, Henry S., assignor.)
Turbo-Mixer Corporation, The. (See MacLean, Gordon, assignor.)
Turbo-Mixer Corporation, The. (See Valentine, Kenneth S., assignor.)
Turchanyi, Ladislas, Sashalom, near Budapest, assignor to Hungarian Rubber Goods Factory Limited, Budapest, Hungary. Toy. Des. 84,009; Apr. 21.
Turchanyi, Ladislas, Sashalom, near Budapest, assignor to Hungarian Rubber Goods Factory Limited, Budapest, Hungary. Toy. Des. 84,010; Apr. 21.
Turchanyi, Ladislas, Sashalom, near Budapest, assignor to Hungarian Rubber Goods Factory Limited, Budapest, Hungary. Toy. Des. 84,011; Apr. 21.
Turchanyi, Ladislas, Sashalom, near Budapest, assignor to Hungarian Rubber Goods Factory Limited, Budapest, Hungary. Toy. Des. 84,012; Apr. 21.
Turchanyi, Ladislas, Sashalom, near Budapest, assignor to Hungarian Rubber Goods Factory Limited, Budapest, Hungary. Toy. Des. 84,013; Apr. 21.
Turchanyi, Ladislas, Sashalom, near Budapest, assignor to Hungarian Rubber Goods Factory Limited, Budapest, Hungary. Toy. Des. 84,014; Apr. 21.
Turchanyi, Ladislas, Sashalom, near Budapest, assignor to Hungarian Rubber Goods Factory Limited, Budapest, Hungary. Toy. Des. 84,015; Apr. 21.
Turchanyi, Ladislas, Sashalom, near Budapest, assignor to Hungarian Rubber Goods Factory Limited, Budapest, Hungary. Toy. Des. 84,016; Apr. 21.
Turchanyi, Ladislas, Sashalom, near Budapest, assignor to Hungarian Rubber Goods Factory Limited, Budapest, Hungary. Toy. Des. 84,017; Apr. 21.
Turchanyi, Ladislas, Sashalom, near Budapest, assignor to Hungarian Rubber Goods Factory Limited, Budapest, Hungary. Toy. Des. 84,018; Apr. 21.
Turchanyi, Ladislas, Sashalom, near Budapest, assignor to Hungarian Rubber Goods Factory Limited, Budapest, Hungary. Toy. Des. 84,120; May 5.
Turchanyi, Ladislas, Sashalom, near Budapest, assignor to Hungarian Rubber Goods Factory Limited, Budapest, Hungary. Toy. Des. 84,121; May 5.
Turcott, David, Beloit, assignor to Yates-American Machine Company, Beloit, Wis. Signaling device for an automatic lathe. 1,804,720; May 12.
Turcotte, Edward H., Baton Rouge, La. Mulching machine. 1,798,343; Mar. 31.
Turek, Oldřich, Plzen, Czechoslovakia. Blasting cartridge, percussion cap, detonator, detonating fuse and the like. 1,824,848; Sept. 29.
Turkenton, William J., Lancaster, Ohio. Combination cooking utensil. 1,813,646; July 7.
Turkus, George, London, England, assignor to Babcock & Wilcox Company, New York, N. Y. Air heater. 1,812,458; June 30.
Turmes, Elmo J., Grand View, Idaho. Heat radiator. 1,835,727; Dec. 8.
Turnapage Company, The. (See Harnsberger, Harry H., assignor.)
Turnbow, Grover D., Davis, assignor of one-half to C. E. Gray, Oakland, Calif. Preparing ice cream. 1,818,364; Aug. 11.
Turnbull, Alexander D. (See Fingland, J. J., Turnbull, and McIntyre.)

Turnbull, Gerald, Chicago, Ill. Garment and support. 1,792,050; Feb. 10.
Turnbull, John S., New York, N. Y. Automatic door-fastening mechanism. 1,791,943; Feb. 10.
Turnbull, S. G. (See Faber, Henry B., assignor.)
Turnbull, Wallace R., Rothesay, New Brunswick, Canada. Aeroplane propeller. 1,793,652: Feb. 24.
Turnbull, Wallace R., Rothesay, New Brunswick, Canada. Variable pitch propeller. 1,828,303; Oct. 20.
Turnbull, Wallace R., Rothesay, New Brunswick, Canada. Variable pitch propeller. 1,828,348; Oct. 20.
Turnbull, Wallace R., Garden City, N. Y. Variable-pitch propeller. 1,793,653; Feb. 24.
Turnbull, Wallace R., Garden City, N. Y. Air propeller. 1,793,654: Feb. 24.
Turnbull, Werd W., assignor to McLaren-Consolidated Cone Corporation, Dayton, Ohio. Ice cream cone. 1,829,201; Oct. 27.
Turnbull, William, Peoria, Ill., assignment to Caterpillar Tractor Co., San Leandro, Calif. Fuel tank. 1,795,581; Mar. 10.
Turner, Alfred J., and R. Quantock, South Brisbane, Queensland, Australia. Fuel-line valve. 1,793,343; Feb. 17.
Turner, Alonzo G., McCammon, Idaho. Can perforator. 1,812,386; June 30.
Turner, Alvin M., Spartanburg, S. C. Electric lawn mower. 1,829,690; Oct. 27.
Turner, Carroll A. (See Wiggins, J. H., and Turner.)
Turner, Charles, Airdrie, Scotland. Carbonizing or like retort. 1,814,982; July 14.
Turner, Charles S., Detroit, Mich. Removable boiler and soot blower tube. 1,833,543; Nov. 24.
Turner, Charles W., et al. (See Reed, Andrew H., assignor.)
Turner, Christian G., assignor of one-third to J. T. Lynn and one-third to L. R. Turner, Portsmouth, Ohio. Shoe. 1,801,379; Apr. 21.
Turner, Donald T., Union City, Ind. Display sign. 1,838,887; Dec. 29.
Turner, Edgar A. (See Scott, S. S., and Turner.)
Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Stoker conveyer. 1,814,648; July 14.
Turner, Edwin A., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,825,106; Sept. 29.
Turner, Edwin A., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive and tender. 1,829,425; Oct. 27.
Turner, Edwin A., and C. J. Surdykowski, Pittsburgh, Pa., assignors, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Locomotive stoker. 1,825,137; Sept. 29.
Turner, Edwin E., jr., West Roxbury, assignor to Submarine Signal Company, Boston, Mass. Watch regulation. 1,794,502: Mar. 3.
Turner, Eldon A., Graniteville, Mass. Auxiliary extensible wing for airplanes. 1,815,814; July 21.
Turner, Ernest J. (See Howard, B. H., and Turner.)
Turner, Estey M. (See Volk, Andrew C., assignor.)
Turner, Frederick E., Kansas City, Mo. Elevator-brake control. 1,790,030; Jan. 27.
Turner, Frederick E., Kansas City, Mo. Base frame for elevator machines. 1,810,506; June 16.
Turner, George A., Albany, Ga. Book support. 1,795,526; Mar. 10.
Turner, Giles M., Milwaukee, Wis. Caster. 1,809,609; June 9.
Turner Glass Corporation. (See Teague, Walter D., assignor.)
Turner, Horace W., Phoenix, N. Y. Windshield heater. 1,811,767; June 23.
Turner, Howard W., Greensboro, N. C. Washing machine. 1,838,595; Dec. 29.
Turner, John. (See de Ferranti, S. Z., and Turner.)
Turner, John G., Pueblo, Colo. Floral rack. 1,799,540; Apr. 7.
Turner, John H., Los Angeles, Calif. Spike puller. 1,821,041; Sept. 1.
Turner, John J., Silverton, Colo. Demountable rim. 1,790,393; Jan. 27.
Turner, John J., Williamsville, assignor to National Gypsum Company, Buffalo, N. Y. Plaster board. 1,837,381; Dec. 22.
Turner, John J., Chicago, and C. Absmeier, Maywood, assignors to United States Gypsum Company, Chicago, Ill. Mixing device. 1,813,828; July 7.
Turner, John O., et al. (See Bausinger, H. C., jr., and Barnes, assignors.)
Turner, Kenneth K., Melbourne, Victoria, Australia. Engine and pump. 1,830,303; Nov. 3.
Turner, Lee R., et al. (See Turner, Christian G., assignor.)
Turner, Max Mendel, London, England. Reconditioning cutting tools. 1,802,795; Apr. 28.
Turner, Milton L., Augusta, Me. Apparatus for machining surfaces. 1,832,923; Nov. 24.
Turner, Ransom H., Auburndale, assignor to Intertype Corporation, Brooklyn, N. Y. Distributor mechanism for typographical machines. 1,799,031; Mar. 31.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle box for weft-replenishing looms, 1,793,144; Feb. 17.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin for electrical weft detectors. 1,797,932; Mar. 24.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin for weft replenishing looms. 1,807,716; June 2.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Handling weft ends of weft carriers. 1,807,717; June 2.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Giveway and thread guiding devices for weft carrier magazines. 1,807,763; June 2.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing double shuttle loom. 1,807,764; June 2.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutting mechanism for double shuttle looms. 1,817,112; Aug. 4.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin for electrical weft detectors. 1,832,595; Nov. 17.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Double shuttle loom. 1,832,596; Nov. 17.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Controlling weft ends in weft replenishing looms. 1,834,357; Dec. 1.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Connection for loom electrical weft detectors. 1,834,358; Dec. 1.
Turner, Robert S., Indianapolis, Ind. Power wheel. 1,809,919; June 16.
Turner, Samuel, Berks., England, assignor to Radio Corporation of America. High-frequency system. 1,794,391; Mar. 3.
Turner Tanning Machinery Company, The. (See Ballard, H. A., and Hoelslock, assignors.)
Turner Tanning Machinery Company, The. (See Brown, Oscar H., assignor.)
Turner Tanning Machinery Company, The. (See Connor, John H., assignor.)
Turner Tanning Machinery Company, The. (See Harrison, Joseph H., assignor.)
Turner Tanning Machinery Company, The. (See Hubbard, Arthur S., assignor.)
Turner Tanning Machinery Company, The. (See McLaughlin, George E., assignor.)
Turner Tanning Machinery Company, The. (See O'Donnell, John W., assignor.)
Turner Tanning Machinery Company, The. (See Schettler, Gustav A., assignor.)
Turner, Walter E., Piqua, assignor, by mesne assignments, to The Cleveland Stoker Company, Cleveland, Ohio. Automatic stoker. 1,790,885; Feb. 3.
Turner, William B., East Orange, assignor to Walker-Turner Company, Inc., Jersey City, N. J. Polishing device. 1,819,800; Aug. 18.
Turner, William D., Joplin, Mo., and E. W. Buskett, New York, N. Y. Test tube rack. 1,836,138; Dec. 15.
Turnquist, Carl E., Los Angeles, Calif. Automatic pie and cake dividing machine. 1,800,706; Apr. 14.
Turn-Rite Process Co. (See Biddle, William M., assignor.)
Turpin, Geoffrey E., assignor to The India Rubber, Gutta Percha & Telegraph Works Company Limited, London, England. Machine for winding elastic or other thread around spherical bodies. 1,795,381; Mar. 10.
Turrall, William, London, England. Game apparatus. 1,801,701; Apr. 21.
Turrell, Merton. (See Crawford, E. B., and Turrell.)
Turrettini, Fernand, Cologny-Geneva, assignor to the firm Societe Genevoise D'Instruments De Physique, Geneva, Switzerland. Mechanism for eliminating overstrain of measuring spindles in machine tools. 1,797,809; Mar. 24.
Turrettini, Horace F. A., Geneva, Switzerland. Apparatus for electric cooling. 1,804,072; May 5.
Turrin, Joseph G., New Philadelphia, Ohio. Automatic air and steam coupler. 1,789,792: Jan. 20.
Turton, George D. (See Vick, W. S., and Turton.)
Turucz, Paul, Chicago, Ill. Apparatus for milling wheat. 1,826,157; Oct. 6.
Turzicky, Francis, assignor to H. E. Bullock, Chicago, Ill. Automotive vehicle. 1,815,339; July 21.
Tusis, Soter B., New York, N. Y. Hair waving device. 1,824,641; Sept. 22.
Tusler, Wilbur H. (See Magney, G. R., Tusler, and Arnal.)
Tusler, Wilbur H., et al. (See Hyde, M. G., and Magney, assignors.)
Tussing, Gerald D., Jeannette, Pa. Pencil sharpener. 1,800,118; Apr. 7.
Tustin, Wayne C. (See Halstead, S. M., Wickland, and Tustin.)
Tuteur, Charles. (See Mayerhofer, Thomas, assignor.)
Tuteur, Charles, Chicago, Ill. Doorstop. Des. 83,223; Feb. 3.
Tuteur, Charles, Chicago, Ill. Stand for smoker's and similar articles. Des. 85,266; Sept. 29.
Tuthill Building Material Company. (See Willer, George J., assignor.)
Tuthill, Edwin A. (See Whittington, L. E., and Tuthill.)
Tuthill, James B. (See Wilsey, Irven H., assignor.)
Tuthill, Jesse, Chillicothe, Ill. Folding umbrella. 1,800,119; Apr. 7.

Tutierrez, Manuel S. (See Zubia, J. D., and Gutierrez.)
Tutt, Duly E., Galena, Kans. Resilient wheel. 1,802,686; Apr. 28.
Tuttle & Bailey Manufacturing Company. (See Russell, Earle, assignor.)
Tuttle, Bayard T. (See Monroe, F. R., Dolson, and Tuttle.)
Tuttle, Bertha S. (See Sugden, Bertha.)
Tuttle, Bertha S., assignor to Technicolor Motion Picture Corporation, Boston, Mass. Composition for inhibition printing. 1,807,809; June 2.
Tuttle, Dwight L., near Rural Hall, N. C. Portable saw rig. 1,794,742; Mar. 3.
Tuttle, Fordyce, assignor to Eastman Kodak Company, Rochester, N. Y. Means for maintaining moving bands in synchronism. 1,836,691; Dec. 15.
Tuttle, Harry C., Long Island City, N. Y. Telephone muffler. 1,800,234; Apr. 14.
Tuttle, Henry A., administrator. (See Hirvonen, E. J., and Tuttle.)
Tuttle, Henry A., deceased, Upton, Mass.; J. L. Tuttle, executrix. Reversing mechanism. 1,794,044; Feb. 24.
Tuttle, Henry A., deceased, Upton, Mass., J. L. Tuttle, executrix. Reversing mechanism. 1,799,264; Apr. 7.
Tuttle, Henry A., deceased, Upton, Mass., by Jennie L. Tuttle, executrix, Upton, Mass. Reversing mechanism. 1,806,431; May 19.
Tuttle, Henry A., deceased, Upton, Mass.; Jennie L. Tuttle, executrix. Shock absorber. 1,816,029; July 28.
Tuttle, J. Walton. (See Bruce, James D., assignor.)
Tuttle, Jennie L., executrix. (See Tuttle, Henry A.)
Tuttle, Ralph V., Lewiston, Idaho. Timing device. 1,813,780; July 7.
Tuttle, Thomas M., Mounds, Okla. Pump-jack construction. 1,793,570; Feb. 24.
Tuttle, Wallace W. (See Hirvonen, E. J., and Tuttle.)
Tuzzo, Nicholas, Buffalo, assignor of one-half to J. P. Rupp, Buffalo, N. Y. Railroad switch. 1,797,933; Mar. 24.
Tverbakk, Hakon A. P., Kjerringoy in Salten, Norway. Valve for internal combustion engines and the like. 1,828,792; Oct. 27.
Tvestmann, Rudolf, New York, N. Y., assignor to E. Leitz, Inc. Polishing machine. 1,798,639; Mar. 31.
Tvestmann, Rudolf, New York, N. Y., assignor to E. Leitz, Inc. Workholder. 1,798,640; Mar. 31.
Twait, Siger G., Reseda, Calif. Ledger rack. 1,830,815; Nov. 10.
Twedell, Edward M., Van Buren, Ark. Bolt. 1,827,628; Oct. 13.
Tweedale, Joseph T., Yardville, assignor to Hussong Dyeing Machine Company, Groveville, N. J. Dyeing machine head. 1,816,798; July 28.
Tweedale, Joseph T., Yardville, assignor to Hussong Dyeing Machine Company, Groveville, N. J. Dyeing machine. 1,837,082; Dec. 15.
Tweedie, Charles, Jefferson City, Mo. Arch support. 1,828,086; Oct. 20.
Tweedie, Charles, Jefferson City, Mo., assignor to himself as trustee. Making shoes. 1,809,364; June 9.
Twells, John. (See Braasch, A. D., McDow, and Twells.)
Twells, Robert, Detroit, Mich., assignor to General Electric Company. Porcelain. 1,834,880; Dec. 1.
Twetten, Clarence H. (See Hudson, A. M., and Twetten.)
Twin Coach Company. (See Fageol, Frank R. and W. B., assignors.)
Twin Disc Clutch Company. (See Gewalt, William C., assignor.)
Twin Disc Clutch Company. (See Pearmain, William J., assignor.)
Twining, E. L. (See McLaughlin, Wilson L. and H. L., assignors.)
Twining, Harry L., et al. (See Scott, Ray W., assignor.)
Twining-Scott. (See Scott, Ray W., assignor.)
Twiss, Douglas F. (See Trobridge, G. W., Murphy, Twiss, and Gorham.)
Twiss, Douglas F., and E. A. Murphy, assignors to Dunlop Rubber Company Limited, Birmingham, England. Production of latex compositions. 1,793,265; Feb. 17.
Twiss, Douglas F., and E. A. Murphy, Birmingham, England, assignors to Dunlop Rubber Company Limited. Improved process for manufacturing transparent vulcanized rubber. 1,797,250; Mar. 24.
Twiss, Douglas F., and E. A. Murphy, Birmingham, England, assignor to Dunlop Rubber Company Limited. Manufacture of articles from rubber and similar materials. 1,836,692; Dec. 15.
Twiss, Frank E., Taunton, Mass., assignor of forty one-hundredths to W. J. Hoye, Shelton, Conn. Remote curtain control. 1,795,745; Mar. 10.
Twist, Roy H., Seattle, Wash. Hat extractor. 1,836,783; Dec. 15.
Twitchell Process Company, The. (See Myers, Latimer D., assignor.)
Twitchell Process Company, The. (See Reilly, Arthur, assignor.)
Two-Tone Corporation, The. (See Mijer, Pieter, assignor.)
Twyman, Frank, and C. F. Smith, assignors to Adam Hilger, Limited, London, England. Production of colored designs and the application thereof to the manufacture of woven fabrics. 1,788,135; Jan. 6.
Twyman, William G., Poteau, Okla. Mold for glass cylinders. 1,817,046; Aug. 4.
Tycer, Warren I., Columbus, Ohio. Ceramic vessel and producing the same. 1,814,870; July 14.
Tyden, Emil, Hastings, Mich. Accelerator for dry pipe valve sprinkler systems. 1,805,858; May 19.
Tygart Valley Glass Company. (See Noble, Olbert C., assignor.)
Tyler, Alva W., San Francisco, Calif. Continuous calcination of gypsum. 1,798,857; Mar. 31.
Tyler, Bert E., Los Angeles, Calif. Piston packing. 1,796,415; Mar. 17.
Tyler, Bert E., Los Angeles, Calif. Pump piston. 1,833,343; Nov. 24.
Tyler, Carl E., Los Angeles, Calif. Vacuum headrest for bathtubs. 1,806,103; May 19.
Tyler, Harvey E., Chicago, assignor to Stewart-Warner Corporation, Chicago, Ill. Oil filter. 1,821,082; Sept. 1.
Tyler, Horace C. S., et al. (See Lee, John E., assignor.)
Tyler, Ralph S., and H. McGeorge, Cleveland Heights, and W. M. Reichart, Cleveland, assignors to The Chandler and Price Company, Cleveland, Ohio. Gauge lock. 1,808,388; June 2.
Tyler, Warren C., Los Angeles, Calif. Rotary air compressor. 1,831,272; Nov. 10.
Tyler, W. S., Company, The. (See Boehm, John, assignor.)
Tyler, W. S. Company, The. (See Farch, Mogens, assignor.)
Tyler, W. S., Company, The. (See Reynolds, Morley P., assignor.)
Tynan, Henry J., Ridgewood, N. J. Typewriter attachment. 1,792,557; Feb. 17.
Tyndall, Hattie K., San Leandro, Calif. Method of and apparatus for precipitating drift or sheet salt. 1,819,577; Aug. 18.
Tyndall, Jessie C., St. Louis, Mo. Drinking cup. 1,811,286; June 23.
Tyner, Herbert M., New York, N. Y., and B. L. Smith, Brockton, Mass.; said Smith assignor to said Tyner. Rubber heel. 1,790,886; Feb. 3.
Tyner, Ralph T., jr. (See Scully, Alexander D., assignor.)
Typocalculator, Inc. (See Weir, Gordon E., assignor.)
Typograph G. m. b. H. (See Dorneth, Julius, assignor.)
Tyreman, Lee, Stroudsburg, Pa. Knife. 1,795,527; Mar. 10.
Tyrer, Daniel, Norton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Production of hydrogen. 1,803,221; Apr. 28.
Tyrrell, Claude U., Pasadena, Calif. Lawn-sprinkler head. 1,790,358; Jan. 27.
Tyrrell, Frank, Seattle, Wash. Combination fishing tackle and net. 1,797,251; Mar. 24.
Tyson, Frank, Canton, Ohio. Roller bearing manufacture. 1,830,493; Nov. 3.
Tyson, Harrison, Huntsville, Ohio. Wheelbarrow hopper. 1,831,694; Nov. 10.
Tyvand, Raymond E., Chicago, Ill. Vein retainer. 1,824,516; Sept. 22.
U. G. I. Contracting Company, The. (See Chrisman, Charles S., assignor.)
U. G. I. Contracting Company, The. (See Evans, Owen B., assignor.)
U. G. I. Contracting Company, The. (See Glasgow, Arthur G., assignor.)
U. G. I. Contracting Company, The. (See Stelfox, James C., assignor.)
Ubach, Florian H., Rensselaer, N. Y. Clutch. 1,798,047; Mar. 24.
Uber, Bowman B., Youngstown, Ohio. Amusement device. 1,811,812; June 23.
Uber, Harold L., Jamestown, N. Y., assignor of one-third to C. R. Womer, Eldred, Pa., and one-third to O. D. Underwood, Olean, N. Y. Pipe union. 1,824,642; Sept. 22.
Ude, John, Chicago, Ill. Electrical attachment plug. 1,831,981; Nov. 17.
Udell, Earl L., assignor of one-third to R. Harvell and one-third to H. W. Thompson, Tallahassee, Fla. Headlight rim. 1,827,305; Oct. 13.
Udell, Louis N., Boston, Mass. Coil for refrigerating and other apparatus. 1,822,715; Sept. 8.
Udy, Marvin J., Niagara Falls, N. Y. Electrodepositing metals and apparatus therefor. 1,830,343; Nov. 3.
Uebelen, Carl. (See Eisenlohr, F., and Uebelen.)
Uebelmesser, Charles R., and W. Wenderhold, assignors to E. M. Uebelmesser, New York, N. Y. Engine support. 1,810,879; June 16.
Uebelmesser, Elizabeth M. (See Uebelmesser, C. R., and Wenderhold, assignors.)
Uebelmesser, Elizabeth. (See Wenderhold, William, assignor.)
Uehling, Fritz F., Passaic, N. J. Automatic temperature control device. 1,838,336; Dec. 29.
Ufer, Johannes. (See Schmidt, O., and Ufer.)
Ufert, Ewald, Trenton, N. J. Combined lamp and radio cabinet. Des. 85,215; Sept. 22.
Uff, Ernest, Chester Pa. Loom beam structure. 1,816,503; July 28.
Uggla, Wilhelm R., Morby, Stocksund, assignor to Luth & Rosén Elektriska Aktiebolag, Stockholm, Sweden. Cooling means for electric machines. 1,803,570; May 5.
Uggla, Wilhelm R., Morby, Stocksund, assignor to Luth & Rosens Elektriska Aktiebolag, Stockholm, Sweden. Power transmission gearing. 1,813,369; July 7.

Uggla, Wilhelm R., Morby, Stocksund, assignor to Luth & Rosens Elektriska Aktiebolag, Stockholm, Sweden. Geared electric motor unit. 1,817,216; Aug. 4.
Uhde, Otto, Hamburg, and V. Kolb, Frankfort-on-the-Main, Germany. Hydraulic device for emptying furnaces. 1,838,014; Dec. 22.
Uhde, Otto, Hamburg, and V. Kolb, Frankfort-on-the-Main, Germany. Method of and apparatus for the incineration of refuse and similar waste materials. 1,838,596; Dec. 29.
Uhde, Robert, assignor to Schmidt-sche Heissdampf-Gesellschaft mit beschrankter Haftung, Kassel-Wilhelmshohe, Germany. Superheater. 1,800,329; Apr. 14.
Uhde, Robert, assignor to Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung, Kassel-Wilhelmshohe, Germany. Boiler generating steam according to the indirect method. 1,806,030; May 19.
Uhde, Robert, assignor to Schmidt'sche Heissdampf-Gesellschaft mit beschränkter Haftung, Cassel-Wilhelmshohe, Germany. Heat exchanger. 1,808,619; June 2.
Uhde, Robert, assignor to Schmidt'sche Heissdampf-Gesellschaft mit beschrankter Haftung, Kassel-Wilhelmshohe, Germany. Superheater heated by superheated steam. 1,839,133; Dec. 29.
Uher, Edmund, jr., Budapest, Hungary. Producing photographied printing forms. 1,808,123; June 2.
Uher, Edmond, jr., Budapest, Hungary, assignor to Uhertype Aktiengesellschaft, Glarus, Switzerland. Mechanism for producing linear displacements and in photographical typesetting machines in connection with them. 1,812,276; June 30.
Uherek, Charles A., Chicago, Ill., assignor to International Harvester Company. Circuit breaker. 1,815,340; July 21.
Uhertype Aktiengesellschaft. (See Uher, Edmond, jr., assignor.)
Uhl, George D., Los Angeles, Calif. Sun bath cabinet. 1,813,647; July 7.
Uhl, Josef, Sibiu, Roumania. Machine for automatically spreading and cutting bar-shaped lengths of dough-pieces. 1,833,923; Dec. 1.
Uhl, Otto C., San Antonio, Tex. Golf game unit. Des. 83,079; Jan. 13.
Uhle, David J., and J. V. Durnin, Allentown, Pa. Heat exchange apparatus. 1,803,081; Apr. 28.
Uhle, David J. and M. E. Grunewald, Allentown, Pa. Apparatus for heating cement raw material. 1,801,467; Apr. 21.
Uhler, Wilmer P. (See Swartz, T. A., and Uhler.)
Uhlig, Albert, Rorschach, Switzerland. Arrangement for cooling and heating beds. 1,817,277; Aug. 4.
Uhlman, Carl, San Francisco, Calif. Antiskidding device. 1,808,797; June 9.
Uhlman, Walter G., et al. (See Paige, Arthur E., assignor.)
Uhlmann, Otto E., assignor to Keeler Brass Company, Grand Rapids, Mich. Door pull. Des. 84,019; Apr. 21.
Uhlmann, Otto E., assignor to Keeler Brass Company, Grand Rapids, Mich. Handle for a door of an automobile or the like. Des. 84,769; July 28.
Uhlmann, Otto E., assignor to Keeler Brass Company, Grand Rapids, Mich. Handle for a door of an automobile or the like. Des. 84,770; July 28.
Uhri, William C., jr., Clayton, Mo. Swivel joint for plural conduits. 1,788,500; Jan. 13.
Uhrmacher, Matthias, Duisburg-Ruhrort, assignor to the Firm: Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Frog for grooved rails. 1,808,389; June 2.
Ulbrich, Frank, Wallingford, Conn., assignor to H. L. Judd Company, Inc., New York, N. Y. Rod bracket. 1,818,829; Aug. 11.
Ulbricht. Ernst. (See Nobst. G., and Ulbricht.)
Ulffers, Fritz. (See Stephan. K., and Ulffers.)
Ulich, Lynne H., Racine, Wis., assignor, by mesne assignments, to Newport Chemical Corporation. Preparing indanthrone dyestuffs. 1,790,887; Feb. 3.
Uline, Michiel J., Toledo, Ohio, assignor to Gifford-Wood Company, Hudson, N. Y. Ice conveyer. 1,789,504; Jan. 20.
Uline, Michiel J., Toledo, Ohio, assignor to Gifford-Wood Company, Hudson, N. Y. Apparatus for producing small cubes of ice. 1,789,505; Jan. 20.
Uline, Walter C., Nappanee, Ind. Table frame. 1,832,673; Nov. 17.
Ulive Ice Scoring Machine Company. (See Happel, Albert, assignor.)
Ullendorff, Jennie, Portland, Oreg. Mechanism for supplying fluids from one airship to another while in flight. 1,806,833; May 26.
Ullendorff. Jennie, Portland, Oreg. Mechanism for supplying fluids from one airship to another while in flight. 1,806,834; May 26.
Ullgren, Johan D. (See Wagner, R. E., and Ullgren.)
Ullman, Herbert G., Tuckahoe, N. Y. Pipe coupling or connection. 1,805,321; May 12.
Ullmann, Fritz. J. Breslauer, Geneva, and Egil Lie, Chevres, near Geneva, Switzerland. Producing alkali metal phosphates by converting ferrophosphorus with alkali metal sulphates. 1,817,858; Aug. 4.
Ullmann, Gustav, Vienna, Austria. Bucking process for vegetable fibrous material. 1,787.880; Jan. 6.
Ullmann, Henry J. (See Bischoff, Fritz E., assignor.)
Ullom, Frank S., Renton, Wash. Door fastener. 1,822,327; Sept. 8.
Ullom, Virgil V., et al. (See Gonsett, Robert R., assignor.)
Ullrich, Alexander L., Chicago, Ill. Manufacturing amorphous carbon. 1,796,815; Mar. 17.
Ullrich, Emil H. W., New York, N. Y., assignor to The Bryant Electric Company, Bridgeport, Conn. Circuit breaker. 1,810,861; June 16.
Ullrich, Georg, Magdeburg, assignor to the firm Fried Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Magnetic separating machine. 1,797,597; Mar. 24.
Ullrich, Georg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg, Germany. Magnetic separating machine. 1,816,305; July 28.
Ullrich, Reimund, Berlin, Germany. Valve for controlling gases and liquids. 1,791,436; Feb. 3.
Ullstrand, Hugo M., Evansville, and W. R. Campbell, Newburgh, Ind., assignors, by mesne assignments, to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,830,894; Nov. 10.
Ulman, John J., Cleveland, Ohio. Heating and illuminating device for fish aquariums. 1,803,571; May 5.
Ulmann, Bernard, Co. (See Casella, Secondo L., assignor.)
Ulmer, Adolf. (See Wagner, H., and Ulmer.)
Ulmer, Alfred L., Fort Wayne, Ind., assignor to General Electric Company. Contact adjuster. 1,795,240; Mar. 3.
Ulmer, George G., jr., assignor to Physicians and Hospitals Supply Company, Minneapolis, Minn. Bedside table. 1,801,531; Apr. 21.
Ulp, Alfred R., Altadena, Calif. Mounting for automobile glare shields. 1,808,086; June 2.
Ulrey, Clayton T., East Orange, N. J., assignor to Westinghouse Lamp Company. Electric coil. 1,813,591; July 7.
Ulrey, Dayton, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Space charge device. 1,817,448; Aug. 4.
Ulrich, Carl E., et al. (See Ulrich, George J., assignor.)
Ulrich, Carl F. (See McKinley, J. P., and Ulrich.)
Ulrich, Carl J., assignor of one-half to P. E. Carlson, Minneapolis, Minn. Doorlock actuating mechanism. 1,816,504; July 28.
Ulrich. Charles B., assignor to Art Metal Construction Company, Jamestown, N. Y. Base for typewriters and other articles. 1,810,378; June 16.
Ulrich, Charles B., assignor to Art Metal Construction Company, Jamestown, N. Y. Shelf follower and end support. 1,832,884; Nov. 24.
Ulrich, Fritz, Karnap, near Essen-Ruhr, assignor to Zeche Mathias Stinnes, Essen-Ruhr, Germany. Obtaining phenols from phenol-bearing industrial waste liquors. 1,795,382; Mar. 10.
Ulrich, Fritz. Karnap, near Essen-on-the-Ruhr, assignor to the Firm Carl Still, Reclinghusen, Germany. Extraction of phenols from aqueous condensate from coal distillation. 1,830,725; Nov. 3.
Ulrich, George J., assignor of three-fourths to C. E. Ulrich and one-fourth to E. R. Hawkes, Modesto, Calif. Making expansion joints. 1,818.874; Aug. 11.
Ulrich, Heinrich. (See Steimmig, G., and Ulrich.)
Ulrich, Henry, Mexico, Mexico. Desulphurizing liquid petroleum hydrocarbons or light distillates. 1,810,803; June 16.
Ulrich, John R., Bethlehem, Pa., assignor to Bethlehem Steel Company. Railway track structure. 1,820,586; Aug. 25.
Ulrich, Tomey D., assignor of one-half to F. H. Langsenkamp, Indianapolis, Ind. Pump. 1,831.695; Nov. 10.
Ulrick. Hans G., Bustenari, Roumania. Method of and explosive member for the blasting of blast-holes. 1,816,100; July 28.
Ultra Violet Generator Corporation. (See Chesney, Jacques W. D., assignor.)
Ultra Violet Generator Corporation. (See Russell, Thomas C., assignor.)
Umansky, Leonid A., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,797,969; Mar. 24.
Umansky, Leonid A., Schenectady, N. Y., assignor to General Electric Company. Motor control system. 1,822,759; Sept. 8.
Umbach, Alfred. (See Bauer, J., and Umbach.)
Umesaki. Hachitaro, Chicago, Ill. Aeroplane control. 1,834,010; Dec. 1.
Umont, William. (See Anderson. Carl W., assignor.)
Underberg, Henry, Brooklyn, N. Y., assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 85,138; Sept .15.
Underhill, Elmer F., and L. R. Vidler, Seattle, Wash. Butter cutter. 1,821,042; Sept. 1.
Underhill, John R. (See Gardner, G. W., and Underhill.)
Undertakers Supply Co., The. (See Ocasek, Edward, assignor.)
Underwood, Cyrus W., Crowley, La. Photographic camera. 1,828.630; Oct. 20.
Underwood Elliott Fisher Company. (See Becker, Fred, assignor.)
Underwood Elliott Fisher Company. (See Blaisdell, Harrison O., assignor.)
Underwood Elliott Fisher Company. (See Conard, Frederick U., assignor.)
Underwood Elliott Fisher Company. (See Cousin, Abel J. C., assignor.)

Underwood Elliott Fisher Company. (See Davis, F. K., and Taylor, assignors.)
Underwood Elliott Fisher Company. (See Des Jardins, Benjamin M., assignor.)
Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)
Underwood Elliott Fisher Company. (See Fray, Fred, assignor.)
Underwood Elliott Fisher Company. (See Greis, Frederick A., assignor.)
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Underwood Elliott Fisher Company. (See Howell, Arthur E., assignor.)
Underwood Elliott Fisher Company. (See Kupetz, Adolph G., assignor.)
Underwood Elliott Fisher Company. (See Kurowski, Alfred G. F., assignor.)
Underwood Elliott Fisher Company. (See Kurowski, A. T. and E. N., assignors.)
Underwood Elliott Fisher Company. (See Lawrence, Charles M., assignor.)
Underwood Elliott Fisher Company. (See Lindburg, Joseph, assignor.)
Underwood Elliott Fisher Company. (See Linderman, Stuart H., assignor.)
Underwood Elliott Fisher Company. (See Myers, George H., assignor.)
Underwood Elliott Fisher Company. (See Nemcovsky, Louis A., assignor.)
Underwood Elliott Fisher Company. (See Norin, Carl E., assignor.)
Underwood Elliott Fisher Company. (See Oswald, Alfred E., assignor.)
Underwood Elliott Fisher Company. (See Resch, Henry, assignor.)
Underwood Elliott Fisher Company. (See Shaver, James E., jr., assignor.)
Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.)
Underwood Elliott Fisher Company. (See Stickney, Burnham C., assignor.)
Underwood Elliott Fisher Company. (See Thatcher, Linden A., assignor.)
Underwood Elliott Fisher Company. (See Vickers, Harry H., assignor.)
Underwood Elliott Fisher Company. (See von Reppert, Richard, assignor.)
Underwood Elliott Fisher Company. (See Walsleben, Fred, assignor.)
Underwood, O. D., et al. (See Uber, Harold L., assignor.)
Underwood & Underwood, Inc. (See Viken, Antonius J., assignor.)
Underwood, Walter J., Chelsea, London, England. Mechanism for operating three-position railway signals. 1,796,674; Mar. 17.
Underwood, Western, Santa Monica, Calif. Lighting post. Des. 84,555; June 30.
Underwood, Western, Santa Monica, assignor to La Lux Manufacturing Company, Los Angeles, Calif. Forming hollow, reenforced posts. 1,794,503; Mar. 3.
Unexcelled Manufacturing Company, The. (See Bok, Philip, assignor.)
Ungar, G. A., et al. (See Greiner, Josef, assignor.)
Ungar, Harry, St. Louis, Mo., assignor, by mesne assignments, to Dubilier Condenser Corporation, New York, N. Y. Radio connection. 1,814,533; July 14.
Unger, Magnus, Pittsfield, Mass., assignor to General Electric Company. Furnace. 1,800,034; Apr. 7.
Unger, Magnus, Pittsfield, Mass., assignor to General Electric Company. Tubular casing for electrical apparatus. 1,814,871; July 14.
Unger, Paul O., Syracuse, N. Y. Loose leaf binder. 1,818,936; Aug. 11.
Unger, Paul O., assignor to McMillan Book Company, Syracuse, N. Y. Manufacturing flexible posts. 1,804,134; May 5.
Unger, Paul O., assignor to McMillan Book Company. Syracuse, N. Y. Leaf flipper. 1,832,824; Nov. 17.
Ungerer, Fritz, Pforzheim, Germany. Lubricating arrangement for plate straightening or rolling machines. 1,804,571; May 12.
Ungerer, Fritz, Pforzheim, Germany. Adjustable supporting mechanism for straightening rolls of plate straightening machines. 1,822,119; Sept. 8.
Ungerlieder, Gabriel, Moores, and F. T. Kenney and J. A. Barron, Chester, Pa. Electrically-operating confessional slides. 1,798,819; Mar. 31.
Ungrich, Martin L., Brooklyn, N. Y. Tone-amplifying device for stringed musical instruments. 1,798,048; Mar. 24.
Uniack, Aloysius J., Los Angeles, Calif. Check book. 1,816,306; July 28.
Uniclox Corporation. (See Schulse, Herman E., assignor.)
Uniflow Manufacturing Company. (See Horvath, Anthony G., assignor.)
Union Asbestos and Rubber Company. (See Gillies, William R., assignor.)
Union Asbestos & Rubber Company. (See Wild, Rudolf L. R., assignor.)
Union Bank of Chicago. (See Cowles, Irving, assignor.)
Union Battery Company. (See Swenson, Carl O., assignor.)
Union Carbide & Carbon Research Laboratories. (See Benner, Raymond C., assignor.)
Union Carbide and Carbon Research Laboratories. (See Quelch, George C., assignor.)
Union Carbide and Carbon Research Laboratories, Inc. (See Morse, Stanley E., assignor.)
Union Carbide and Carbon Research Laboratories, Inc. (See Quelch, George C., assignor.)
Union Carbide Company. (See Barnes, Howard T., assignor.)
Union Carbide Company. (See Erickson, Albert N., assignor.)
Union Carbide Company. (See Mansfield, Ralph G., assignor.)
Union Carbide Sales Company. (See Hunt, W. F., and Stelling, assignors.)
Union Carbide Sales Company. (See Stelling, Hermann C., assignor.)
Union Chest and Cabinet Corporation. (See Pratt, S. F., and Hansen, assignors.)
Union Chimique Belge, Societe Anonyme. (See Pallemaerts, F. A. F., and Lebrun, assignors.)
Union City Body Company. (See Adelsperger, C. C., and Fitzgerald, assignors.)
Union Draft Gear Company. (See Cotton, Walter H., assignor.)
Union Electric Steel Corporation. (See Logan, Charles F., assignor.)
Union Guardian Trust Company, trustee. (See Widmann, A., and Woolson.)
Union Industrial Trust Company et al., executors. (See Heginbottom, W. G., and Francis.)
Union Machinery Company. (See Streich, Frank, assignor.)
Union Manufacturing Company. (See Bush, George G., assignor.)
Union Metal Manufacturing Company, The. (See Frahm, C. A., and Riemenschneider, assignors.)
Union Metal Manufacturing Company, The. (See Rastetter, Harry O., assignor.)
Union Metal Manufacturing Company, The. (See Riemenschneider, Edmund W., assignor.)
Union Metal Products Company. (See Gilpin, Garth G., assignor.)
Union Metal Products Company. (See Goldinger, Carl M., assignor.)
Union Metal Products Company. (See Johnston, Charles S., assignor.)
Union Metal Products Company. (See Murphy, Walter P., assignor.)
Union Metal Products Company. (See Schlesinger, Edgar E., assignor.)
Union Metal Products Company. (See Sisson, Vinton E., assignor.)
Union Metal Products Company. (See Small, Arthur E., assignor.)
Union Metal Products Company. (See Van Dorn, William E., assignor.)
Union Oil Company. (See Hill, Frank F., assignor.)
Union Oil Company of California. (See Dunham, Robert A., assignor.)
Union Oil Company of California. (See Martin, Harry W., assignor.)
Union Oil Company of California. (See Ragatz, Edward G., assignor.)
Union Railway Equipment Company. (See Hall, William B., assignor.)
Union Railway Equipment Company. (See O'Connor, Arthur F., assignor.)
Union Special Machine Company. (See Berger, Joseph, assignor.)
Union Special Machine Company. (See Carver, Robert R., assignor.)
Union Special Machine Company. (See Chidley, Alfred T., assignor.)
Union Special Machine Company. (See Christensen, Norman V., assignor.)
Union Special Machine Company. (See Dykeman, Harry E., assignor.)
Union Special Machine Company. (See Ericsson, Arvid, assignor.)
Union Special Machine Company. (See Hanneman, Walter M., assignor.)
Union Special Machine Company. (See Jones, Charles H., assignor.)
Union Special Machine Company. (See Long, W. B., and Clark, assignor.)
Union Special Machine Company. (See Moffatt, James R., assignor.)
Union Special Machine Company. (See Moffatt, J. R., and Kelso, assignors.)
Union Special Machine Company. (See Riviere, Albert S., assignor.)
Union Special Machine Company. (See Riviere, A. S., and Rubel, assignors.)
Union Special Machine Company. (See Rubel, C. F., and Gratsch, assignors.)
Union Special Machine Company. (See Thompson, Charles S., assignor.)
Union Special Machine Company. (See Thompson, C. S., and Long, assignors.)
Union Special Machine Company. (See Wohlpart, August J., assignor.)
Union Special Maschinenfabrik, G. m. b. H. (See Häussler, Ernst, assignor.)

Union Special Maschinenfabrik, G. m. b. H. (See Lutz, Friedrich, assignor.)
Union Special Maschinenfabrik, G. m. b. H. (See Maier, Karl, assignor.)
Union Special Machinenfabrik, G. m. b. H. (See Maier, K., and Lutz, assignors.)
Union-Special Maschinenfabrik Gesellschaft mit beschrankter Haftung. (See Fischer, Hermann C., assignor.)
Union Spring & Manufacturing Company. (See Stewart, Howard J., assignor.)
Union Steam Pump Company. (See Hendrickson, Leo B., assignor.)
Union Steel Products Company. (See Bitney, Dewey H., assignor.)
Union Steel Products Company. (See Dean, Walter C., assignor.)
Union Steel Products Company. (See Hatch, Charles T., assignor.)
Union Steel Products Company. (See Towne, Earle A., assignor.)
Union Switch & Signal Company, The. (See Ackerly, Donald G., assignor.)
Union Switch & Signal Company, The. (See Allen, Earl M., assignor.)
Union Switch & Signal Company, The. (See Allen, E. M., and Willard, assignors.)
Union Switch & Signal Company, The. (See Allison, L. R., and Nicholson, assignors.)
Union Switch & Signal Company, The. (See Bartusch, A. P., and Jefferson, assignors.)
Union Switch & Signal Company, The. (See Baughman, George W., assignor.)
Union Switch & Signal Company, The. (See Baumgartner, Godfrey, assignor.)
Union Switch & Signal Company, The. (See Beall, Charles R., assignor.)
Union Switch & Signal Company, The. (See Bell, Charles W., assignor.)
Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)
Union Switch & Signal Company, The. (See Bossart, Paul N., assignor.)
Union Switch & Signal Company, The. (See Brooks, Charles A., assignor.)
Union Switch & Signal Company. (See Brooks, C. A., and Pelikan, assignors.)
Union Switch & Signal Company, The. (See Brooks, C. A., and Vantassel, assignors.)
Union Switch & Signal Company, The. (See Brooks, C. A., and Young, assignors.)
Union Switch & Signal Company, The. (See Bryan, Harold W., assignor.)
Union Switch & Signal Company, The. (See Butridge, James H., assignor.)
Union Switch & Signal Company, The. (See Clausen, Harold C., assignor.)
Union Switch & Signal Company, The. (See Cobourn, Delbert F., assignor.)
Union Switch & Signal Company, The. (See Coleman, John P., assignor.)
Union Switch & Signal Company, The. (See Crago, Paul H., assignor.)
Union Switch & Signal Company, The. (See Dalzell, C. W., and Little, assignors.)
Union Switch & Signal Company, The. (See Dowling, Philip H., assignor.)
Union Switch & Signal Company, The. (See Failor, Charles W., assignor.)
Union Switch & Signal Company, The. (See Fereday, Frederick T., assignor.)
Union Switch & Signal Company, The. (See Fisher, A. W., and Wells, assignors.)
Union Switch & Signal Company, The. (See Geiger, Paul H., assignor.)
Union Switch & Signal Company, The. (See Gill, Harold D., assignor.)
Union Switch & Signal Company, The. (See Gilson, Robert M., assignor.)
Union Switch & Signal Company, The. (See Grondahl, Lars O., assignor.)
Union Switch & Signal Company, The. (See Grondahl, L. O., and Ackerly, assignors.)
Union Switch & Signal Company, The. (See Grondahl, L. O., and Bossart, assignors.)
Union Switch & Signal Company, The. (See Heyes, Alfred B., assignor.)
Union Switch & Signal Company, The. (See Holte, Harold O., assignor.)
Union Switch & Signal Company, The. (See Jackel, Arthur P., assignor.)
Union Switch & Signal Company, The. (See Jamison, Wayne R., assignor.)
Union Switch & Signal Company, The. (See Jefferson, G. V., and Little, assignors.)
Union Switch & Signal Company, The. (See Johnston, Allan T., assignor.)
Union Switch & Signal Company, The. (See Kemmerer, Ralph R., assignor.)
Union Switch & Signal Company, The. (See Kobayakawa, Tokio, assignor.)
Union Switch & Signal Company, The. (See Lazich, Branko, assignor.)
Union Switch & Signal Company, The. (See Livingston, John W., assignor.)
Union Switch & Signal Company, The. (See Lee, Frederick W., assignor.)
Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
Union Switch & Signal Company, The. (See Little, Edwin G., assignor.)
Union Switch & Signal Company, The. (See Lockhart, W. K., and O'Meara, assignors.)
Union Switch & Signal Company, The. (See Loomis, Harold S., assignor.)
Union Switch & Signal Company, The. (See Lowman, Eugene A., assignor.)
Union Switch & Signal Company, The. (See Macfarlane, William W., assignor.)
Union Switch & Signal Company, The. (See Mahanda, Albert H., assignor.)
Union Switch and Signal Company, The. (See Manzoli, Giuseppe, assignor.)
Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
Union Switch & Signal Company, The. (See McCann, R. A., and Brooks, assignors.)
Union Switch & Signal Company, The. (See McKeen, Arthur H., assignor.)
Union Switch & Signal Company, The. (See McWhirter, William C., assignor.)
Union Switch & Signal Company, The. (See Mishelevich, Benjamin, assignor.)
Union Switch & Signal Company, The. (See Nettleton, Lewis L., assignor.)
Union Switch & Signal Company, The. (See Nicholson, Frank H., assignor.)
Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)
Union Switch & Signal Company, The. (See O'Meara, Thomas J., assignor.)
Union Switch & Signal Company, The. (See O'Meara, T. J., and Shaw, assignors.)
Union Switch & Signal Company, The. (See Parrill, Easton E., assignor.)
Union Switch & Signal Company, The. (See Pelikan, John M., assignor.)
Union Switch & Signal Company, The. (See Penrod, Melvin A., assignor.)
Union Switch & Signal Company, The. (See Penrod, M. A., and Brooks, assignors.)
Union Switch & Signal Company, The. (See Penrod, M. A., Young, and Brooks, assignors.)
Union Switch & Signal Company, The. (See Peter, Bernard H., assignor.)
Union Switch & Signal Company, The. (See Peter, Leslie H., assignor.)
Union Switch & Signal Company, The. (See Peter, L. H., Challans, and MacGregor, assignors.)
Union Switch & Signal Company, The. (See Richards, Daniel W., assignor.)
Union Switch & Signal Company, The. (See Rudolph, H. V., and Horsch, assignors.)
Union Switch & Signal Company, The. (See Sasnett, Edward C., assignor.)
Union Switch & Signal Company, The. (See Shaw, Noble C., assignor.)
Union Switch & Signal Company, The. (See Shaw, N. C., and O'Meara, assignors.)
Union Switch & Signal Company, The. (See Smith, William E., assignor.)
Union Switch & Signal Company, The. (See Snavely, Clarence S., assignor.)
Union Switch & Signal Company, The. (See Snavely, C. S., and Ashworth, assignors.)
Union Switch & Signal Company, The. (See Sorensen, Andrew J., assignor.)
Union Switch & Signal Company, The. (See Sosinski, Paul P., assignor.)
Union Switch & Signal Company, The. (See Spray, Lester E., assignor.)
Union Switch & Signal Company, The. (See Sproull, Clarence W., assignor.)
Union Switch & Signal Company, The. (See Stoker, Paul P., assignor.)
Union Switch & Signal Company, The. (See Stoltz, Carl F., assignor.)
Union Switch & Signal Company, The. (See Strobel, Charles K., assignor.)
Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)
Union Switch & Signal Company, The. (See Thompson, H. A., and Brooks, assignors.)
Union Switch & Signal Company, The. (See Vanhorn, James J., assignor.)
Union Switch & Signal Company, The. (See Vanhorn, J. J., and Vantassel, assignors.)
Union Switch & Signal Company, The. (See Vantassel, Harry C., assignor.)
Union Switch & Signal Company, The. (See Vantassel, H. C., and Pflasterer, assignors.)
Union Switch & Signal Company, The. (See Vencill, Albert L., assignor.)
Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)
Union Switch & Signal Company, The. (See Wells, W. B., and Shaw, assignors.)
Union Switch & Signal Company, The. (See Whitehorn, Arthur R., assignor.)

Union Switch & Signal Company, The. (See Willard, P. F., and Pflasterer, assignors.)
Union Switch & Signal Company, The. (See Williamson, Arba G., assignor.)
Union Switch & Signal Company, The. (See Young, Henry S., assignor.)
Union Switch & Signal Company, The. (See Young, H. S., and Brooks, assignors.)
Union Switch & Signal Company, The. (See Zierdt, Conrad H., assignor.)
Union Tank Car Company. (See Smith, Abram E., assignor.)
Union Tank Car Company. (See Stone, Herman L., assignor.)
Union Thread Company, The. (See Allan, Edward T., assignor.)
Union Tool Company. (See Davidson, William D., assignor.)
Union Trust Company, The. (See Trench, Harry G., assignor.)
Union Trust Company. (See Willsie, Henry E., assignor.)
Union Trust Company, executor. (See Sanger, W. E., and Wurster.)
Union Trust Company, trustee. (See Bennett, Howard J., assignor.)
Unique Spark Plug Cleaner Co. (See Floyd, Ray H., assignor.)
Unit Lock Company. (See Russell, Frank A., assignor.)
United Accounting Machines, Inc. (See Watters, L. A., Baumann, and Horlacher, assignors.)
United Advertising Corporation. (See Hathaway, William R., assignor.)
United Autograph Register Co. (See Jensen, L., and Winters, assignors.)
United Autographic Register Co. (See Aspenleiter, Peter A., assignor.)
United Autographic Register Co. (See Imbus, Alphonse E., assignor.)
United Autographic Register Co. (See James, Charles H., assignor.)
United Autographic Register Co. (See Jensen, Louis, assignor.)
United Autographic Register Co. (See Leimberger, Robert C., assignor.)
United-Carr Fastener Corporation. (See Anderson, Andrew G., assignor.)
United-Carr Fastener Corporation. (See Borresen, Helge A., assignor.)
United-Carr Fastener Corporation. (See Carr, Fred S., assignor.)
United-Carr Fastener Corporation. (See Carr, Moses F., assignor.)
United-Carr Fastener Corporation. (See Fearing, Allen C., assignor.)
United-Carr Fastener Corporation. (See Holmes, George A., assignor.)
United-Carr Fastener Corporation. (See Johnson, Gustav, assignor.)
United-Carr Fastener Corporation. (See Jones, Walter I., assignor.)
United-Carr Fastener Corporation. (See Pierce, Walter H., assignor.)
United-Carr Fastener Corporation. (See Smith, Alfred J., assignor.)
United Chromium, Incorporated. (See Fink, C. G., and Eldridge, assignors.)
United Chromium, Incorporated. (See Schwartz, Kevie W., assignor.)
United Cigarette Machine Company Aktiengesellschaft. (See Berger, Martin, assignor.)
United Cigarette Machine Company Aktiengesellschaft. (See Gottschalk, Paul, assignor.)
United Cigarette Machine Company Aktiengesellschaft. (See Ritscher, Arthur, assignor.)
United Cigarette Machine Co. Inc. (See Koerner, Ewald, assignor.)
United Cigar Stores Company of America. (See Firth, Richard H., assignor.)
United Coal and Dock Company. (See Botsch, Roch P., assignor.)
United Dry Docks, Incorporated. (See Wiseman, John T., assignor.)
United Engineering & Foundry Company. (See Biggert, Florence C., jr., assignor.)
United Engineering & Foundry Company. (See Biggert, F. C., jr., and Johnson, assignors.)
United Engineering & Foundry Company. (See Biggert, F. C., jr., and Smitmans, assignors.)
United Engineering & Foundry Company. (See Frank, I. W., Biggert, and Costello, assignors.)
United Engineering & Foundry Company. (See Hahn, Johann, assignor.)
United Engineering and Foundry Company. (See Johnson, Lane, assignor.)
United Engineering & Foundry Company. (See Pennington, Harley D., assignor.)
United Engineering & Foundry Company. (See Smitmans, John A., assignor.)
United Engineering Foundry Company. (See Talbot, Howard H., assignor.)
United Engineering & Foundry Company. (See Wanick, Earl E., assignor.)
United Fruit Company. (See McQuiston, R. C., and von Loesecke, assignors.)
United Fruit Company. (See Robson, Hector H., assignor.)
United Gas Improvement Company, The. (See Blake, Alfred E., assignor.)
United Gas Improvement Company, The. (See Chrisman, Charles S., assignor.)
United Gas Improvement Company, The. (See Kunberger, Albert F., assignor.)
United Glass Bottle Manufacturers, The. (See Moorshead, Thomas C., assignor.)
United Glass Bottle Manufacturers Limited, The. (See Moorshead, Thomas C., assignor.)
United Glass Bottle Manufacturers Limited. (See Pryor, E. A. C., and Hurlbut, assignors.)
United Hydro Carbons Company. (See Clarke, A., and Butler, assignors.)
United Iron Works, Inc. (See Holzer, Hiram A., assignor.)
United Iron Works, Inc. (See Norman, Sidney, assignor.)
United Kingdom Optical Company. (See Watson, F. J. G. B., Culver, and Emerson, assignors.)
United Lace & Braid Manufacturing Co. (See Armitage, George H., assignor.)
United Metal Box Co. (See Hammer, Samuel, assignor.)
United Metal Goods Mfg. Co. (See Lo Castro, Frank, assignor.)
United Metal Hose Co. (See White, Jonathan N., assignor.)
United Metal Products Company, The. (See Miller, Herman C., assignor.)
United Milk Crate Corporation. (See Lion, Harold S., assignor.)
United Products Corporation of America. (See Biddle Arthur, assignor.)
United Reed & Harness Company. (See Sedlatschek, Richard and F., assignors.)
United Reproducers Corporation. (See Andres, Paul G., assignor.)
United Reproducers Corporation. (See Greaves, V. F., and Eisenhour, assignors.)
United Reproducers Corporation. (See Minton, John P., assignor.)
United Reproducers Corporation. (See Thomas, Adolph A., assignor.)
United Reproducers Patents Corporation. (See Hawley, Jesse B., assignor.)
United Reproducers Patents Corporation. (See Klar, Ernst, assignor.)
United Reproducers Patents Corporation. (See Kylé, Colin, assignor.)
United Research Corporation. (See Nystrom, Martin, assignor.)
United Shank & Findings Company. (See Crowley, John F., assignor.)
United Shoe Machinery Company. (See Pollard, Carl I., assignor.)
United Shoe Machinery Corporation. (See Ashworth, Fred.)
United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)
United Shoe Machinery Corporation. (See Ashworth, F., and Newhall, assignors.)
United Shoe Machinery Corporation. (See Bagshaw, Charles M., assignor.)
United Shoe Machinery Corporation. (See Ballard, Harrie A., assignor.)
United Shoe Machinery Corporation. (See Ballard, M. H., and Seely, assignors.)
United Shoe Machinery Corporation. (See Barclay, William R., assignor.)
United Shoe Machinery Corporation. (See Barclay, W. R., and Roberts, assignors.)
United Shoe Machinery Corporation. (See Bates, Arthur, assignor.)
United Shoe Machinery Corporation. (See Baxter, William C., assignor.)
United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
United Shoe Machinery Corporation. (See Brogan, Michael F., assignor.)
United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)
United Shoe Machinery Corporation. (See Benjamin, John M., assignor.)
United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)
United Shoe Machinery Corporation. (See Bessom, Earl A., assignor.)
United Shoe Machinery Corporation. (See Boulton, George, assignor.)
United Shoe Machinery Corporation. (See Bourn, Stephen W., assignor.)
United Shoe Machinery Corporation. (See Braden, Albert R., assignor.)
United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)
United Shoe Machinery Corporation. (See Brown, John H., assignor.)
United Shoe Machinery Corporation. (See Burke, Elmer H., assignor.)
United Shoe Machinery Corporation. (See Clarke, Harry A., assignor.)
United Shoe Machinery Corporation. (See Cook, Arthur F., assignor.)

United Shoe Machinery Corporation. (See Cooper, Basil P., assignor.)
United Shoe Machinery Corporation. (See Cosgrove, John W., assignor.)
United Shoe Machinery Corporation. (See Cross, Garrett P. S., assignor.)
United Shoe Machinery Corporation. (See Day, Fred A., assignor.)
United Shoe Machinery Corporation. (See Dow, Harry E., assignor.)
United Shoe Machinery Corporation. (See Dunham, Albert E., assignor.)
United Shoe Machinery Corporation. (See Duplessis, René E., assignor.)
United Shoe Machinery Corporation. (See Duplessis, R. E., and Macleod, assignors.)
United Shoe Machinery Corporation. (See Dyer, Newell V., assignor.)
United Shoe Machinery Corporation. (See Eastman, Fred C., assignor.)
United Shoe Machinery Corporation. (See Elliott, Harry D., assignor.)
United Shoe Machinery Corporation. (See Ellis, Frank H., assignor.)
United Shoe Machinery Corporation. (See Enslin, Herbert E., assignor.)
United Shoe Machinery Corporation. (See Eppler, Andrew, assignor.)
United Shoe Machinery Corporation. (See Erskine, Thomas C., assignor.)
United Shoe Machinery Corporation. (See Farmer, Richard W., assignor.)
United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
United Shoe Machinery Corporation. (See Fowler, Alfred B., assignor.)
United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)
United Shoe Machinery Corporation. (See Glass, Perley R., assignor.)
United Shoe Machinery Corporation. (See Glidden, Harvey L., assignor.)
United Shoe Machinery Corporation. (See Goddu, George, assignor.)
United Shoe Machinery Corporation. (See Gookin, Sylvester L., assignor.)
United Shoe Machinery Corporation. (See Gouldbourn, J., and Woodcock, assignors.)
United Shoe Machinery Corporation. (See Haas, Otto R., assignor.)
United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
United Shoe Machinery Corporation. (See Hall, Thomas P., assignor.)
United Shoe Machinery Corporation. (See Hall, Walter H., assignor.)
United Shoe Machinery Corporation. (See Hallam, Albert W., assignor.)
United Shoe Machinery Corporation. (See Hart, F. V., and Davenport, assignors.)
United Shoe Machinery Corporation. (See Hayner, Alex., assignor.)
United Shoe Machinery Corporation. (See Hazelton, George, assignor.)
United Shoe Machinery Corporation. (See Herrick, Warren N., assignor.)
United Shoe Machinery Corporation. (See Heys, John J., assignor.)
United Shoe Machinery Corporation. (See Hill, M. G., and Bristow, assignors.)
United Shoe Machinery Corporation. (See Hodgkins, Edward F., assignor.)
United Shoe Machinery Corporation. (See Holmes, W., and James, assignors.)
United Shoe Machinery Corporation. (See Holmgren, Eric A., assignor.)
United Shoe Machinery Corporation. (See Johnson, William H., assignor.)
United Shoe Machinery Corporation. (See Hope, Ernest, assignor.)
United Shoe Machinery Corporation. (See Hudson, Harold C., assignor.)
United Shoe Machinery Corporation. (See Hume, Fred, assignor.)
United Shoe Machinery Corporation. (See Husler, John, assignor.)
United Shoe Machinery Corporation. (See Jones, John L., assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
United Shoe Machinery Corporation. (See Kinney, Fay D., assignor.)
United Shoe Machinery Corporation. (See Knight, Ralph F., assignor.)
United Shoe Machinery Corporation. (See Knowlton, Cutler D., assignor.)
United Shoe Machinery Corporation. (See Knowlton, Norwood H., assignor.)
United Shoe Machinery Corporation. (See Knowlton, N. H., and Nutt, assignors.)
United Shoe Machinery Corporation. (See Krippendorf, Paul F. W. C., assignor.)
United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)
United Shoe Machinery Corporation. (See La Chapelle, F. N., and Eastman, assignors.)
United Shoe Machinery Corporation. (See Lawson, Oscar L., assignor.)
United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)
United Shoe Machinery Corporation. (See Lund, Thomas, assignor.)
United Shoe Machinery Corporation. (See Lyness, Horatio S., assignor.)
United Shoe Machinery Corporation. (See MacKenzie, Fred L., assignor.)
United Shoe Machinery Corporation. (See Mahler, John J., assignor.)
United Shoe Machinery Corporation. (See McIntire, James E., assignor.)
United Shoe Machinery Corporation. (See Meek, Carl J., assignor.)
United Shoe Machinery Corporation. (See Mooney, Fred L., assignor.)
United Shoe Machinery Corporation. (See Morrill, Alfred R., assignor.)
United Shoe Machinery Corporation. (See Nutt, William H., assignor.)
United Shoe Machinery Corporation. (See O'Gorman, Gaynor, assignor.)
United Shoe Machinery Corporation. (See Packard, Roscoe M., assignor.)
United Shoe Machinery Corporation. (See Pecher, Albrecht, assignor.)
United Shoe Machinery Corporation. (See Perry, Frederick H., assignor.)
United Shoe Machinery Corporation. (See Pope, Elmer R., assignor.)
United Shoe Machinery Corporation. (See Pope, Joseph H., assignor.)
United Shoe Machinery Corporation. (See Prenzel, Adam H., assignor.)
United Shoe Machinery Corporation. (See Pym, Arthur F., assignor.)
United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)
United Shoe Machinery Corporation. (See Read, I. L., and Choice, assignors.)
United Shoe Machinery Corporation. (See Reed, Joseph V., assignor.)
United Shoe Machinery Corporation. (See Reynolds, Charles Q., assignor.)
United Shoe Machinery Corporation. (See Rice, Robert, assignor.)
United Shoe Machinery Corporation. (See Richardson, J. H., and Rollins, assignors.)
United Shoe Machinery Corporation. (See Ricks, F., and Richards, assignors.)
United Shoe Machinery Corporation. (See Roberts, Clifford, assignor.)
United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
United Shoe Machinery Corporation. (See Rollins, Le Roy W., assignor.)
United Shoe Machinery Corporation. (See Rumney, F. A., and Hudson, assignors.)
United Shoe Machinery Corporation. (See Sabin, Ernest E., assignor.)
United Shoe Machinery Corporation. (See Sawyer, Willard N., assignor.)
United Shoe Machinery Corporation. (See Seely, Thomas H., assignor.)
United Shoe Machinery Corporation. (See Shaffer, Walter D., assignor.)
United Shoe Machinery Corporation. (See Shambow, John C., assignor.)
United Shoe Machinery Corporation. (See Stacey, Ernest W., assignor.)
United Shoe Machinery Corporation. (See Standish, John F., assignor.)
United Shoe Machinery Corporation. (See Steinmann, Walter, assignor.)
United Shoe Machinery Corporation. (See Sturgis, Carl L., assignor.)
United Shoe Machinery Corporation. (See Tolman, George S., jr., assignor.)
United Shoe Machinery Corporation. (See Thomas, William D., assignor.)
United Shoe Machinery Corporation. (See Topham, Laurence E., assignor.)
United Shoe Machinery Corporation. (See Wentworth, Frank T., assignor.)
United Shoe Machinery Corporation. (See Whelton, J. M., and Pym, assignors.)
United Shoe Machinery Corporation. (See White, Melbourne W., assignor.)
United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)
United Shoe Machinery Corporation. (See Woodcock, Reginald B., assignor.)
United Spring Corporation. (See Newman, G. I., and New, assignors.)
United States Asbestos Co. (See Cilley, Osborn H., assignor.)
U. S. Bobbin & Shuttle Company 1929. (See Baldwin, Luther C., assignor.)
U. S. Bobbin & Shuttle Company, 1929. (See Buffington, Edwin C., assignor.)

U. S. Bobbin & Shuttle Company, 1929. (See Davol, Harry A., assignor.)
U. S. Bobbin & Shuttle Company 1929. (See Sherman, William H., assignor.)
U. S. Bottlers Machinery Co. (See Risser, Arthur I., assignor.)
United States Cabinet Bed Co. (See Martin, Joseph, assignor.)
United States Cast Iron Pipe & Foundry Company. (See Ladd, James B., assignor.)
United States Cast Iron Pipe & Foundry Company. (See Langenberg, Frederick C., assignor.)
United States Chain & Forging Company. (See Lewis, Fred H., assignor.)
United States Chain & Forging Company. (See Senft, John, assignor.)
United States Chain & Forging Company. (See Thomas Albin A., assignor.)
U. S. Cloth Cutting Machine Co., The. (See Komow, Albert, assignor.)
U. S. Duplicator Company. (See Sabik, G., and Offer, assignors.)
U. S. Electrical Manufacturing Company. (See Myers, Thomas G., assignor.)
United States Electrical Manufacturing Company. (See Pfleger, George T., assignor.)
United States Electrical Tool Company, The. (See Smith, George E., assignor.)
United States Envelope Company. (See Cather, Charles E., assignor.)
United States Envelope Company. (See Heywood, Vincent E., assignor.)
United States Envelope Company. (See Martin, Archworth, assignor.)
United States Envelope Company. (See Morin, Louis H., assignor.)
U. S. Galvanizing & Plating Equipment Corporation. (See Potthoff, Kurt T., assignor.)
United States Glass Company. (See Brown, Oscar E., assignor.)
United States Glass Company. (See Ilgenfritz, Curtis B., assignor.)
United States Graphite Company. (See Adams, Charles W., assignor.)
United States Gypsum Company. (See Absmeier, Carl, assignor.)
United States Gypsum Company. (See Baker, George W., assignor.)
United States Gypsum Company. (See Balduf, Bruno E., assignor.)
United States Gypsum Company. (See Ballard, B. T., and Gough, assignors.)
United States Gypsum Company. (See Besal, J. A., and Medaris.)
United States Gypsum Company. (See Brookby, H. E., and Gough, assignors.)
United States Gypsum Company. (See Chesney, Robert M., assignor.)
United States Gypsum Company. (See Dean, J. H., and Baker, assignors.)
United States Gypsum Company. (See Heeren, Arthur A., assignor.)
United States Gypsum Co. (See King, G. D., and Gough, assignors.)
United States Gypsum Company. (See Marks, Herbert E., assignor.)
United States Gypsum Company. (See Parker, John N., assignor.)
United States Gypsum Company. (See Reel, Herbert W., assignor.)
United States Gypsum Company. (See Turner, J. J., and Absmeier, assignors.)
United States Gypsum Company. (See Utzman, Clarence W., assignor.)
United States Gypsum Company. (See Vogel, N. J., and Quick, assignors.)
U. S. Hame Company. (See Glaser, John M., assignor.)
United States Hat Machinery Corporation. (See Genest, Homer A., assignor.)
United States Hoffman Machinery Corporation. (See Card, John L., assignor.)
United States Hoffman Machinery Corporation. (See Clarke, Clarence M., assignor.)
United States Hoffman Machinery Corporation. (See Johnson, James H., assignor.)
United States Hoffman Machinery Corporation. (See Locke, Sanford J., assignor.)
United States Hoffman Machinery Corporation. (See Locke, S. J., and Webster, assignors.)
United States Hoffman Machinery Corporation. (See Partlow, Alfred, assignor.)
U. S. Industrial Alcohol Co. (See Burghart, Lloyd M., assignor.)
U. S. Industrial Alcohol Co. (See Clapp, Elwood I., assignor.)
U. S. Industrial Alcohol Co. (See Keyes, Donald B., assignor.)
U. S. Industrial Alcohol Co. (See Ricard, Eloi, assignor.)
U. S. Industrial Alcohol Co. (See Ricard, E., Savarit, and Guinot, assignors.)
U. S. Lath and Machinery Co., et al. (See Arey, Fred C., assignor.)
United States Mail Chute Corporation. (See Dobbin, Charles, assignor.)
United States Mail Chute Corporation. (See Fells, Ruth, assignor.)
U. S. Manufacturing Company. (See Bennett, John L., assignor.)
U. S. Manufacturing Corporation. (See Krag, F. K., and Nelson.)
U. S. Manufacturing Corporation. (See Shafter, Adolph F., assignor.)
United States Metals Refining Company. (See Eppensteiner, William F., assignor.)
United States Metallic Packing Company, The. (See Light, R. A., and Price, assignors.)
United States Metals Refining Company. (See Eppensteiner, W. F., and Groom, assignors.)
United States Metals Refining Company. (See Eppensteiner, W. F., and Morecraft, assignors.)
United States Metals Refining Company. (See Eppensteiner, William F. and W. F., assignors.)
United States Metals Refining Company. (See Slugg, Clarence H., assignor.)
U. S. Oil and Service Corporation. (See Wanamaker, Ernest, assignor.)
United States Ordnance Company. (See Smith, George L., assignor.)
United States Pipe & Foundry Company. (See Hering, Edward, assignor.)
United States Pipe and Foundry Company. (See Langenberg, Frederick C., assignor.)
United States Pipe & Foundry Company. (See Webre, Alfred L., assignor.)
United States Playing Card Company, The. (See Albert, Clifford E., assignor.)
U. S. Postal Meter Corporation. (See Mack, Luther L., assignor.)
United States Printing & Lithograph Company. (See Burgess, Joseph E., assignor.)
United States Printing & Lithograph Company, The. (See Rydell, Harold S. V., assignor.)
United States Process Corporation. (See Heuser, Herman, assignor.)
United States Quarry Tile Company. (See Cable, Davis A., assignor.)
United States Radiator Corporation. (See McIntire, James F., assignor.)
United States Radium Corporation. (See Dey, William H., assignor.)
United States Radium Corporation. (See Paul, John E., assignor.)
U. S. Ring Traveler Company. (See Gilligan, George H., assignor.)
United States Rubber Company. (See Loomis, C. C., and Stump, assignors.)
U. S. Sanitary Specialties Corporation. (See Seidel, Bruno W., assignor.)
U. S. Slicing Machine Company. (See Fitzpatrick, Hugh D., assignor.)
U. S. Slicing Machine Company. (See Folk, Joseph, assignor.)
U. S. Slicing Machine Company. (See Stiles, Edward M., assignor.)
U. S. Slicing Machine Company. (See Stukart, Hendrik, assignor.)
U. S. Slicing Machine Company. (See Thomas, Henry, assignor.)
U. S. Slicing Machine Company. (See Van Berkel, Cornelis F., assignor.)
U. S. Slicing Machine Company. (See Van Berkel, Cornelis F. M., assignor.)
U. S. Slicing Machine Company. (See van Berkel, C. F. M., and van Hoorn, assignors.)
U. S. Slicing Machine Company. (See van Berkel, Wilhelmus A., assignor.)
U. S. Slicing Machine Company. (See van Duyn, Adrianus, assignor.)
U. S. Slicing Machine Company. (See van Hoorn, Jetze, assignor.)
U. S. Smelting Furnace Company. (See Jones, Arthur, assignor.)
United States Smelting, Refining & Mining Company. (See Mulock, Fred S., assignor.)
United States Specialty Corporation. (See Lundquist, Hans, assignor.)
United States Spring and Bumper Company. (See Sprong, William J., assignor.)
United States Steel Corporation. (See Edwards, J. H., and Marble, assignors.)
U. S. Textile Machine Company. (See Thomas, Pacific J., assignor.)
United States Woven Label Company. (See Ripin, Maurice B., assignor.)
United Steel & Wire Company. (See Betts, Earl L., assignor.)
United Steel & Wire company. (See Jarvis, Charles H., assignor.)
United Steel & Wire Company. (See Macomber, Lynn W., assignor.)
United Verde Copper Company. (See Barker, Lyle M., assignor.)
United Verde Copper Company. (See Fowler, M. G., and Niconoff, assignors.)
United Verde Copper Company. (See Fowler, M. G., Ralston, and Kuzell, assignors.)
United Water Softeners Limited. (See Higgins, Eric B., assignor.)

Universal Button Fastening & Button Co. (See Clark, John M., assignor.)
Universal Button Fastening & Button Company. (See McCue, Charles T., assignor.)
Universal Clay Products Co., The. (See Senn, William E., assignor.)
Universal Draft Gear Attachment Co. (See Bartsch, Herbert E., assignor.)
Universal Draft Gear Attachment Co. (See Camp, Percy B., assignor.)
Universal Draft Gear Attachment Co. (See Hall, Joseph M., assignor.)
Universal Draft Gear Attachment Co. (See Nash, Charles J., assignor.)
Universal Draft Gear Attachment Co. (See Nash, C. J., and Bartsch, assignors.)
Universal Draft Gear Attachment Co. (See Powers, Robert E., assignor.)
Universal Draft Gear Attachment Co. (See Tucker, Herbert E., assignor.)
Universal Draft Gear Attachment Co. (See Wrigley, Henry I., assignor.)
Universal Engineering Company. (See Zublin, J. A., and Pilgrim, assignors.)
Universal Fixture Corporation. (See Goldberg, Samuel, assignor.)
Universal Fixture Corporation. (See Mically, Emanuel, assignor.)
Universal Form Clamp Co. (See Whitescarver, Charles T., assignor.)
Universal Gear Shift Corporation. (See Craig, Alvin M., assignor.)
Universal Gear Shift Corporation. (See Goss, Harry T., assignor.)
Universal Gear Shift Corporation. (See Hodgkins, Albert A., assignor.)
Universal Gear Shift Corporation. (See Spencer, Harry E., assignor.)
Universal Hydraulic Corporation. (See McClellan, L. N., Kinzie, Savage, and Day, assignors.)
Universal Lamp Company. (See Horsley, James H., assignor.)
Universal Lifting Appliance Co., The. (See Forrest, John H., assignor.)
Universal Luggage Carrier Inc. (See Miller, Joseph, assignor.)
Universal Match Corporation, The. (See Bogoslowsky, Boris M., assignor.)
Universal Milking Machinery Company. (See Buslaff, R., and Engels, assignors.)
Universal Milking Machine Company. (See Schmitt, John A., assignor.)
Universal Oil Products Company. (See Benner, Harry P., assignor.)
Universal Oil Products Company. (See Bergman, Donald J., assignor.)
Universal Oil Products Company, The. (See David, Aubrey D., assignor.)
Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
Universal Oil Products Company. (See Egloff, Gustav, assignor.)
Universal Oil Products Company. (See Egloff, G., and Benner, assignors.)
Universal Oil Products Company. (See Egloff, G., and Morrell, assignors.)
Universal Oil Products Company. (See Fairchild, Oscar H., assignor.)
Universal Oil Products Company. (See Gary, Lee J., assignor.)
Universal Oil Products Company. (See Halle, Hiram J., assignor.)
Universal Oil Products Company. (See Heid, Jacob B., assignor.)
Universal Oil Products Company. (See Herrick, Ralph R., assignor.)
Universal Oil Products Company. (See Howard, William R., assignor.)
Universal Oil Products Company. (See Huff, Lyman C., assignor.)
Universal Oil Products Company. (See Kirschbraun, Lester, assignor.)
Universal Oil Products Company. (See McDermott, Stephen T., assignor.)
Universal Oil Products Company. (See Mekler, Lev A., assignor.)
Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
Universal Oil Products Company. (See Morrell, J. C., and Benner, assignors.)
Universal Oil Products Company. (See Morrell, J. C., and Faragher, assignors.)
Universal Oil Products Company. (See Oberle, Alfred, assignor.)
Universal Oil Products Company. (See Pollock, Robert T., assignor.)
Universal Oil Products Company. (See Pratt, Clifton J., assignor.)
Universal Oil Products Company. (See Pyzel, Robert, assignor.)
Universal Oil Products Company. (See Seguy, Jean D., assignor.)
Universal Oil Products Company. (See Van Heeden, Arthur P., assignor.)
Universal Optical Corporation. (See Beattey, Earle J. R., assignor.)
Universal Optical Corporation. (See Bosworth, Thomas E., assignor.)
Universal Optical Corporation. (See Marciano, Frank G., assignor.)
Universal Optical Corporation. (See Nelson, John N., assignor.)
Universal Oven Company. (See Elliott, Irwin, assignor.)
Universal Permanent Wave Machine Corporation. (See Salzman, Morris, assignor.)
Universal Pipe and Radiator Company, The. (See Stanford, George I., assignor.)
Universal Rotary Bit Company, The. (See Gildersleeve, A. M., and Dean, assignors.)
Universal Stamping & Mfg. Co. (See Sapier, Abraham, assignor.)
Universal Stamping & Mfg. Co. (See Shapiro, Abraham, assignor.)
Universal Toy Corporation. (See Grigsby, A. R., and Brown, assignors.)
Universal Utility Company. (See Shepard, Earnest D.)
Universal Utility Company, trustees of the. (See Shepard, Clayton P., assignor.)
Universal Winding Company. (See Anderson, Johan A., assignor.)
Universal Winding Company. (See Bood, Anton E., assignor.)
Universal Winding Company. (See Brink, Carl A., assignor.)
Universal Winding Company. (See De Wolf, Ernest A., assignor.)
Universal Winding Company. (See Jones, Charles H., assignor.)
Universal Winding Company. (See Marcroft, W., and Molloy, assignors.)
Universal Winding Company. (See Quill, Joseph M., assignor.)
Universal Winding Company. (See Searle, Chester F., assignor.)
Universal Winding Company. (See Swanson, Ernest R., assignor.)
Universal Winding Company. (See Taylor, George N., assignor.)
"Universelle" Cigarettenmaschinenfabrik J. C. Muller & Co. (See Hohn, Max P. E., assignor.)
"Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., the Firm. (See Hohn, M. P. E. and Halank, assignors.)
"Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Müller, Carl W., assignor.)
"Universelle" Cigarettenmaschinen-Fabrik J. C. Mueller & Co., The Firm. (See Neff, Johannes, assignor.)
Universelle Cigarettemaschinen-Fabrik J. C. Muller & Co. (See Stelzer, Franz H. B., assignor.)
"Universelle" Cigarettenmaschinen-Fabrik, J. C. Muller & Co., The Firm. (See Schmiedel, Johannes, assignor.)
"Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co. (See Voigt, Robert W., assignor.)
Unke, Otto C., Milwaukee, Wis. Brake. 1,834,230; Dec. 1.
Unkefer, George R., Chicago, Ill. Clip. 1,836,414; Dec. 15.
Unkelbach, Joseph, Jamaica, and H. de Barr, Brooklyn, N. Y. Door fastener. 1,799,265; Apr. 7.
Unruh, Christian, Glen Ullin, N. Dak. Leather-cutting machine. 1,791,253; Feb. 3.
Unsinger, Philip H., Maplewood, N. J. Safety razor blade. 1,823,339; Sept. 15.
Unterholzner, Josef, Munich, Germany. Temperature indicator. 1,819,347; Aug. 18.
Unverdross, Hermann, Frankfort-on-the-Main, Germany, assignor to Westinghouse Electric & Manufacturing Company. Mechanism for adjusting machine tools. 1,809,995; June 16.
Unzel, Edwin. (See McKay, H. J., Carlsen, Fuhrman, and Unzel.)
Updegrave, William M., Johnstown, Pa. Treating and exercising the ocular muscles. 1,811,034; June 23.
Updegrave, William M., Johnstown, Pa. Testing and exercising the ocular muscles. 1,818,660; Aug. 11.
Updike, Preston, et al. (See Sherburne, Claude L., assignor.)
Uphoff, Leo P. (See Sims, F. A., and Uphoff.)
Uphoff, Leo P., and F. A. Sims, assignors to Liberty Amusement Company, San Jose, Calif. Spraying device. 1,822,553; Sept. 8.
Upp, John W., and W. K. Rankin, Schenectady, N. Y., assignors to General Electric Company. Electric switch. 1,816,799; July 28.
Uppercu-Burnelli Corporation. (See Boland, Joseph J., assignor.)
Uppercu-Burnelli Corporation, The. (See Burnelli, Vincent J., assignor.)
Uppercu, Inglis M. (See Phillips, C. L., and Uppercu.)
Upson Bros. Inc. (See Velepec, Rudolph J., assignor.)
Upson, Charles A., Lockport, N. Y. Automobile winter front. 1,799,199; Apr. 7.
Upson, Charles A., assignor to The Upson Company, Lockport, N. Y. Insulating material and making the same. 1,802,543; Apr. 28.
Upson, Charles A., assignor to The Upson Company, Lockport, N. Y. Platen mechanism for heat processing machines. 1,803,780; May 5.

Upson, Charles A., assignor to The Upson Company, Lockport, N. Y. Embossing wall board. 1,833,060; Nov. 24.
Upson, Charles A., assignor to The Upson Company, Lockport, N. Y. Conveyer. 1,834,323; Dec. 1.
Upson, Charles A., assignor to The Upson Company, Lockport, N. Y. Sheet and board conveyer. 1,834,324; Dec. 1.
Upson, Charles A., and H. M. Spencer, assignors to The Upson Company, Lockport, N. Y. Composite insulating material. 1,796,675; Mar. 17.
Upson, Charles A., and O. R. Winter, assignors to The Upson Company, Lockport, N. Y. Board making machine. 1,806,006; May 19.
Upson, Charles A., Lockport, N. Y., and O. R. Winter, Cincinnati, Ohio, assignor to The Upson Company, Lockport, N. Y. Cutting and swatching mechanism. 1,817,113; Aug. 4.
Upson Company, The. (See Harney, Francis W., assignor.)
Upson Company, The. (See Spencer, Hugh M., assignor.)
Upson Company, The. (See Stevens, John A., assignor.)
Upson Company, The. (See Upson, Charles A., assignor.)
Upson Company, The. (See Upson, C. A., and Spencer, assignors.)
Upson Company. (See Upson, C. A., and Winter, assignors.)
Upson, Maxwell M., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Method and apparatus for forming caissons. 1,834,751; Dec. 1.
Upson, Maxwell M., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Pile shell with nonmetallic lining. 1,834,752; Dec. 1.
Upson, Maxwell M., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Apparatus for forming concrete piles. 1,836,140; Dec. 15.
Upson, Ralph H., Red Bank, N. J. Airplane control mechanism. 1,806,432; May 19.
Upson, Ralph H., Detroit, Mich. Airplane and making same. 1,807,946; June 2.
Upton, George B., Ithaca, N. Y., and R. V. Hutchinson, Lansing, assignors to General Motors Research Corporation, Detroit, Mich. Shutter control. 1,792,785; Feb. 17.
Upton, George B., Ithaca, N. Y., and R. V. Hutchinson, Lansing, Mich., assignors to General Motors Research Corporation, Detroit, Mich. Shutter control for air-cooled engines. 1,803,952; May 5.
Upton, John H., Dunsmuir, Calif. Cutting implement. 1,812,387; June 30.
Upton, Louis C. (See Keil, G. B., and Upton.)
Upton, William H., New York, N. Y. Vacuum cleaner. 1,789,203; Jan. 13.
Ural Maschinen Vertriebsgesellschaft, m. b. H. (See Meyer, Friedrich W., assignor.)
Urayasz, Antony. (See Kania, Rudolph, assignor.)
Urbain, Oliver M. (See Travers, J. T., and Urban.)
Urbainati, Mario, Rome, Italy. Current transformer. 1,810,379; June 16.
Urban Corporation. (See Henri, Victor, assignor.)
Urban, Joseph T., Chicago, Ill. Webbing retainer. 1,836,415; Dec. 15.
Urban, Mundel. (See Cramer, C. G., Meloney, and Urban.)
Urbana Coke Corporation. (See Parr, S. W., and Layng, assignors.)
Urbinati, Mario, Rome, Italy. Phase changing transformer. 1,815,454; July 21.
Ureles, Nathan L., New York, N. Y. Lighting fixture. 1,807,641; June 2.
Urfer, Adolf, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Lamp mounting for instrument boards. 1,798,049; Mar. 24.
Urfer, Adolf, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Clamp for panel instruments. 1,835,728; Dec. 8.
Urfer, Adolf, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Expansible diaphragm box and method of making the same. 1,836,634; Dec. 15.
Urfer, Adolf, Richmond Hill, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Windmill. 1,836,693; Dec. 15.
Urich, Edward F. (See Kerr, R. G., and Urich.)
Urkov, Joseph, and B. R. Harris; said Urkov assignor to Epstein & Harris, Chicago, Ill. Product for treating the skin. 1,809,082; June 9.
Urmston, James, and F. S. Smith, London, England. Telephone repeater circuit arrangement. 1,814,775; July 14.
Urquhart, Kenneth M., Marshall, Okla. Apparatus for treating gas. 1,808,087; June 2.
Urquhart, Kenneth M., Marshall, Okla. Apparatus for contacting two or more fluids. 1,808,088; June 2.
Urquhart, Radcliffe M., assignor to Amdyco Corporation, New York, N. Y. Method of and apparatus for producing fire-extinguishing foam. 1,790,125; Jan. 27.
Urschel, Bertis H., Bowling Green, assignor to Urschel Engineering Company, Toledo, Ohio. Universal joint. 1,799,200; Apr. 7.
Urschel, Bertis H., assignor to Urschel Engineering Company, Bowling Green, Ohio. Universal joint boot. 1,808,798; June 9.
Urschel Engineering Company. (See Urschel, Bertis H., assignor.)
Urschel, William E., Valparaiso, Ind. Bean cutter. 1,794,743; Mar. 3.
Urschel, William E., Valparaiso, Ind. Fish debeader. 1,814,983; July 14.
Urschel, William E., Valparaiso, Ind. Building form. 1,816,921; Aug. 4.
Ursino, Pasquale. (See Dobbins, J. L., and Ursino.
Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Transmitter plate potential equalizing circuit. 1,813,688; July 7.
Usborne, Charles F., jr., Chicago, Ill. Internal-combustion engine. 1,789,283; Jan. 13.
Uschmann, Curt, Glendale, Calif., assignor to Continuous Rail Crossing Corporation, Reno, Nev. Rail crossing. 1,804,901; May 12.
Uschmann, Curt, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Engraving machine. 1,816,505; July 28.
Usher, John J., St. Helens, Oreg. Wave motor. 1,818,365; Aug. 11.
Usher, Joseph H., Springfield, Ill. Garage door control. 1,801,533; Apr. 21.
Usina, Domingo A., Nutley, N. J., assignor, by mesne assignments, to Murray Radiator Corporation. Radiator. 1,816,624; July 28.
Usina, Domingo A., Nutley, N. J., assignor to Murray Radiator Corporation, Brooklyn, N. Y. Radiator. 1,835,102; Dec. 8.
Usner, Edward L., Philadelphia, Pa. Dimmer for vehicle headlights. 1,790,734; Feb. 3.
Usselman, George L., Rocky Point, N. Y., assignor to Radio Corporation of America. Frequency modulation. 1,794,932; Mar. 3.
Usselman, George L., Rocky Point, N. Y., assignor to Radio Corportion of America. Beam wobbler. 1,821,367; Sept. 1.
Utah Metals Flux Company. (See Carson, James A., assignor.)
Utah Metals Flux Company. (See Fisher, Ernest S., assignor.)
Utah Radio Products Company. (See Pack, Wehrli D., assignor.)
Utah Radio Products Company, The. (See Seely, Don R., assignor.)
Utah Radio Products Company. (See Walters, Cyril E., assignor.)
Utgoff, Victor V., assignor to Roosevelt Chemical Co., Roosevelt, N. Y. Producing amino pyridines. 1,832,799; Nov. 17.
Utica Cutlery Company. (See Xardell, Charles A., assignor.)
Utica Products, Inc. (See Felton, George W., assignor.)
Utica Products, Inc. (See Hauser, George D., assignor.)
Utility Block, Inc. (See Barnhart, Vern A., assignor.)
Utillty Manufacturing Co. (See Hutchens, Edward, assignor.)
Utility Manufacturing Co. (See Jennejohn, John C., assignor.)
Utility Trailer Manufacturing Co. (See Knox, Garner L., assignor.)
Utley, Thomas, West Derby, Liverpool, England. Slidable window or the like. 1,837,083; Dec. 15.
Utter, Ernst W. O., Helsinki, Suomi-Finland. Aeroplane bomb fuse. 1,837,800; Dec. 22.
Uttley, Fred, Corona, N. Y. Dobby loom chain pegging machine. 1,802,128; Apr. 21.
Uttz, William A., sr., St. Louis, Mo. Package-sealing machine. 1,787,881; Jan. 6.
Uttz, William A., sr., Lakewood, Ohio. Gummed-tape-serving machine. 1,787,882; Jan. 6.
Uttz, William A., sr., Cleveland, Ohio. Counter balance moistener. 1,816,553; July 28.
Uttz, William A., sr., Cleveland, Ohio. Dispensing and advertising cabinet. 1,829,914; Nov. 3.
Uttz, William A., sr., Cleveland, Ohio, assignor, by mesne assignments, to Perfection Package Sealer Company. Undercounter sealer. 1,787,883; Jan. 6.
Utz, Anthony, Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,796,736; Mar. 17.
Utz, John G., Detroit, Mich., assignor to The Warford Corporation, New York, N. Y. Speed-changing mechanism. 1,788,415; Jan. 13.
Utzler, Elmer W., Pittsburgh, Pa. Grating. 1,799,658; Apr. 7.
Utzman, Clarence W., Chicago, Ill., assignor, by mesne assignments, to United States Gypsum Company. Plaster board. 1,824,245; Sept. 22.
V. D. Limited. (See Vigneron, Jean B. J. A., assignor.)
V. D. Limited. (See Vigneron, Jean Baptiste J. A., assignor.)
V. Heydekampf, Gerd S., assignor to O. Foppl, Brunswick, Germany. Device for testing materials. 1,787,525; Jan. 6.
V. & L. Mill and Feeder Corporation. (See Veeder, Albert L., assignor.)
Vaaler, Jens, assignor to The Clemetsen Company, Chicago, Ill. Typewriter desk. 1,793,764; Feb. 24.
Vaccarella, Joseph M. M., Manhasset, N. Y. Garment reversing tool. 1,835,826; Dec. 8.
Vaccari, Severino, Trieste, Italy, assignor to Tito R. Jonghi, Buenos Aires, Argentina. Saw. 1,802,129; Apr. 21.
Vaccaro, Donato, Cleveland, Ohio. Window shade bracket. 1,809,650; June 9.
Vaccaro, Michael, Port Chester, N. Y. Storage battery terminal connecter. 1,813,829; July 7.
Vacher, Henri E. J. (See Buelna, G., and Vacher.)

Vachris, John B. (See Bludworth, T. F., and Vachris.)
Vacuum Casting Company, The. (See Kadow, August, assignor.)
Vacuum Oil Company. (See Abrams, H. F., and Into, assignors.)
Vacuum Oil Company. (See Bowen, Mortimer W., assignor.)
Vacuum Oil Company. (See Hooper, C. L., and Sutherland, assignors.)
Vacuum Oil Company. (See Hutt, Albert E., assignor.)
Vacuum Oil Company. (See Sheldon, Howard W., assignor.)
Vacuum Products (N. Z.) Limited. (See Robertson, David, assignor.)
Vacuumschmelze G. m. b. H. (See Navratiel, Hans, assignor.)
Vacuum Specialties Corporation. (See Alexander, Earl S., assignor.)
Vadasz, Etienne, Ste.-Croix, Switzerland. Phonograph. 1,808,189; June 2.
Vadeboncoeur, Henry, Kankakee, Ill. Anti-skid chain. 1,819,930; Aug. 18.
Vaders, Eugen, Frankfort-on-the-Main, Germany. Copper-silicon alloy. 1,792,944; Feb. 17.
Vadner, Charles S., Reno, Nev. Recovery of manganese. 1,807,642; June 2.
Vadsco Sales Corporation. (See Jensen, Gustav B., assignor.)
Vagneux, Edmond F. L., Paris, France. Securing means for reenforced-concrete sleepers. 1,800,416; Apr. 14.
Vail, Edwin, Arlington, Ohio. Hanger. 1,803,154; Apr. 28.
Vail, George I., deceased, Cleveland Heights, Ohio, The Guardian Trust Company, executor. 1,818,286; Aug. 11.
Vail, George L., Denver, Colo. System of ice-manufacture and refrigeration. 1,805,932; May 19.
Vail, Henry H., Camden, assignor to Automatic Drive and Transmission Company, Gloucester City, N. J. Selective clutch mechanism. 1,822,716; Sept. 8.
Vail, James G., Media, assignor to American-Doucil Company, Philadelphia, Pa. Removing excess alkalinity in synthetic base-exchanging materials. 1,833,505; Nov. 24.
Vail, Merrall C., Attleboro, Mass., assignor, by mesne assignments, to The Wahl Company, Chicago, Ill. Lead pencil. 1,830,043; Nov. 3.
Vail, Virgie, Kansas City, Kans. Playing cards. 1,803,818; May 5.
Vajda, Emery, Cleveland, Ohio, assignor, by mesne assignments, to Wm. F. Wehrle. Portable physician's and dentist's light and switch therefor. 1,838,202; Dec. 29.
Valdés Valdés, César L., Habana, Cuba. Adhesive supplying mechanism. 1,822,466; Sept. 8.
Valensi, Georges, Paris, France. Optical device for distant vision. 1,798,963; Mar. 31.
Valenta, Joseph, Glendale, Calif. Making confection shells. 1,817,114; Aug. 4.
Valentin, John T. (See Fitzpatrick, M. F., and Valentin.)
Valentine, Albert H. (See Lemming, J. C., and Valentine.)
Valentine, Albert H., assignor to Moraine Products Company, Dayton, Ohio. Apparatus for sizing bushings. 1,792,051; Feb. 10.
Valentine, Charles W., assignor to the Bagley and Sewall Company, Watertown, N. Y. Paper making machine. 1,803,044; Apr. 28.
Valentine, Charles W., and A. F. Helin, assignors to The Bagley and Sewall Company, Watertown, N. Y. Paper roll winding mechanism. 1,803,043; Apr. 28.
Valentine, Charles W., and P. N. Ottersland, assignors to The Bagley and Sewall Company, Watertown, N. Y. Driving mechanism for paper making machines. 1,803,045; Apr. 28.
Valentine, Frank R., Belle Center, Ohio. Preparation containing medicinal oil. 1,804,135; May 5.
Valentine, Irving R., Erie, Pa., assignor to General Electric Company. Apparatus for producing low carbon iron. 1,817,784; Aug. 4.
Valentine, Irving R., Erie, Pa., assignor to General Electric Company. Making malleable iron. 1,830,630; Nov. 3.
Valentine, Joseph E., Plainfield, N. J., and I. Englander, Brooklyn, assignors to Oxzyn Company, New York, N. Y. Powder puff and making the same. 1,813,518; July 7.
Valentine, Kenneth S., Hollis, assignor to The Trubo-Mixer Corporation, New York, N. Y. Mixing, dissolving or dispersing apparatus. 1,804,966; May 12.
Valentine, L. L. (See Onsrud, Oscar, assignor.)
Valentine, Percy W., Natick, Mass. Method and apparatus for lasting and rough-rounding stitch-down shoes. 1,800,487; Apr. 14.
Valentine, Percy W., Natick, Mass. Attachable ribbing for innersoles and innersole equipped therewith. 1,802,361; Apr. 28.
Valentine, William M., Rochester, N. Y. Support for telephone receiving and transmitting sets. 1,794,994; Mar. 3.
Valepec, Rudolph J., assignor to Upson Bros. Inc., Rochester, N. Y. Screw driver. 1,791,771; Feb. 10.
Valerio, Pompilio, Cincinnati, Ohio. Spool holder for spools of thread and the like. Des. 84,906; Aug. 18.
Valerius Corporation. (See Valerius, Theodore L., assignor.)
Valerius, Theodore L., Milwaukee, assignor to Valerius Corporation, Jefferson, Wis. Storing and dispensing apparatus. 1,800,970; Apr. 14.
Valerius, Theodore L., Fort Atkinson, assignor to Valerius Corporation, Jefferson, Wis. Storing and dispensing apparatus. 1,817,656; Aug. 4.
Valet, Earnest C. H., assignor to Celulosa Hemmer Valet, Sociedad Amonima, Mexico City, Mex. Treating the bagasse of sugar cane. 1,792,202; Feb. 10.
Valiquette, Joseph L., Lowell, Mass. Apparatus for marking plans of ornamentation. 1,834,011; Dec. 1.
Valiquette, William L., assignor to The Harris-Seybold-Potter Company, Dayton, Ohio. Clamp for paper cutters. 1,811,483; June 23.
Valjean, Ben, assignor to Motor Wheel Corporation, Lansing, Mich. Oil burner pilot. 1,810,035; June 16.
Vallaguzza, Gisberto, Milan, Italy. Case-bearer buckle for bathing belt. Des. 85,267; Sept. 29.
Vallé, Paul B., New Haven, Conn. Condenser and making same. 1,811,067; June 23.
Vallé, Paul B., assignor to The Marvel Company, New Haven, Conn. Syringe. 1,800,269; Apr. 14.
Vallée, Joseph A., assignor of one-half to N. Mathie Montreal, Quebec, Canada. Window sash operating mechanism. 1,819,992; Aug. 18.
Valletta, Vittorio, assignor to Fiat Società Anonima, Turin, Italy. Clutch. 1,789,056; Jan. 13.
Valletta, Vittorio, assignor to Fiat Società Anonima, Turin, Italy. Radiator for motor vehicles. 1,794,263; Feb. 24.
Valletta, Vittorio, assignor to Fiat Societa Anonima, Turin, Italy. Variable-speed gearings, particularly for motor vehicles. 1,794,264; Feb. 24.
Valletta, Vittorio, Turin, assignor to Fiat Società Anonima, Turin, Italy. Variable-speed gearing, particularly for motor vehicles. 1,796,067; Mar. 10.
Valletta, Vittorio, assignor to Fiat Societa Anonimà, Turin, Italy. Servo-brake for motor vehicles. 1,797,811; Mar. 24.
Valletta, Vittorio, assignor to Fiat Societa Anonima, Turin, Italy. Cylinder for internal combustion engines. 1,819,759; Aug. 18.
Valley Camp Coal Company, The. (See Paisley, James A., assignor.)
Valley, Jerry S., and E. P. Ford, Matlock, Wash. Undercutter for sawing logs. 1,805,058; May 12.
Valley Mould and Iron Corporation. (See Blackwell, Howard, assignor.)
Valley Mould and Iron Corporation. (See Perry, John E., assignor.)
Valley Mould & Iron Corporation. (See Ramage, William H., assignor.)
Valley Mould and Iron Corporation. (See Ramage, W. H., and Kauffman, assignors.)
Vallone, Charles, assignor to Barcalo Manufacturing Company, Buffalo, N. Y. Holder for tools or implements. 1,822,070; Sept. 8.
Vallone, Charles, assignor to Barcalo Manufacturing Company, Buffalo, N. Y. Holder for wrenches and the like 1,830,577; Nov. 3.
Valmore, William S., Mansfield, Ohio. Valve mechanism. 1,804,721; May 12.
Valmore, William S., Mansfield, Ohio. Valve mechanism. 1,826,158; Oct. 6.
Valoppi, Eugene, Scranton, Pa. Curtain and shade fixture. 1,819,396; Aug. 18.
Valvano, Domenic A., Linden, N. J. Toy golf course. Des. 84,224; May 19.
Valve Equipment Company, The. (See Redding, Harry B., assignor.)
Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,787,963; Jan. 6.
Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Double offtake for coking retorts. 1,803,881; May 5.
Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coke oven. 1,806,134; May 19.
Van Ackeren, Joseph, assignor to The Koppers Company. Pittsburgh, Pa. Cooling of coking retorts and apparatus. 1,807,019; May 26.
Van Ackeren, Joseph, Pittsburgh, Pa., assignor to The Koppers Company. Coking retort oven. 1,836,207; Dec. 15.
Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,837,301; Dec. 22.
Vanadium Corporation of America. (See Saklatwalla, Byramji D., assignor.)
Van Alen, William, Brooklyn, N. Y. Window sill. 1,794,809; Mar. 3.
Van Allen, Clark E. E., Fort Payne, Ala. Safety device. 1,821,334; Sept. 1.
Van Alstine, Coral T. (See Dygert, C. B., and Van Alstine.)
Van Amburg, Otto H., and G. W. Lieberum, Bridgeport, Conn., assignors to General Electric Company. Combined switch and seat operating means. 1,809,651; June 9.
Van Amburgh, Charles L., and J. R. Russell, said Van Amburgh, assignor to F. I. Kauffman, Long Beach, Calif. Fishing tool. 1,816,991; Aug. 4.
Van Antwerp, Edward, White Bear Lake, Minn. Target throwing device. 1,817,786; Aug. 4.
Van Arkel, Anton E. and J. Bruijnes, assignors to Naamlooze Vennootschap Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Incandescent cathode for electric discharge tubes. 1,794,810; Mar. 3.

Van Arsdale, Clarence C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Method of and apparatus for conveying flexible material. 1,832,823; Nov. 17.
Van Arsdale, Lynn, et al. (See Wyrick, Roy M., assignor.)
Van Arsdale, Malcolm G. (See Fichtner, G. E., and Van Arsdale.)
Van Arsdale, Malcolm G., Short Hills, N. J., and J. E. Dakin, Milton, Pa. Stocking and manufacturing the same. 1,837,737; Dec. 22.
Van Arsdel, Wallace B., and R. B. Hill, assignors to Brown Company, Berlin, N. H. Latex composition and making. 1,831,895; Nov. 17.
Van Atta, Cloyd B., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator. 1,832,157; Nov. 17.
Vanatta, Fred L., Orland, Ind. Chalk line spool. 1,805,426; May 12.
Vanatta, Jean K. (See Youngchild, C. E., Vanatta, and Youngchild.)
Vanatta, Jean K., Village of Port Edwards, assignor to Nekoosa-Edwards Paper Company, Port Edwards, Wis. Lap-folding device for wet machines. 1,792,558; Feb. 17.
Vanatta, Jean K., assignor to Nekoosa-Edwards Paper Company, Port Edwards, Wis. Marking roll. 1,837,084; Dec. 15.
Vanatta, Orin, Anaheim, P. Vanatta, and H. H. Hern, Placentia, Calif.; said Hern assignor to said Orin Vanatta and said P. Vanatta. Combined attaching and equalizing device for guy wires. 1,793,381; Feb. 17.
Vanatta, Paul. (See Vanatta, Orin and P., and Hern.)
Van Auken, Marwood D., New York, N. Y., assignor to Van-Au-Matic Rifle Target Co., Inc. Rifle target and frangible disk. 1,825,292; Sept. 29.
Van-Au-Matic Rifle Target Co. (See Van Auken, Marwood D., assignor.)
Van Ausdal, James S. (See Tucker, A., and Van Ausdal.)
Van Berkel, Adrianus W., Rotterdam, assignor to Naamlooze Vennootschap Maatschappij tot Vervaardiging van Snijmachines volgens van Berkel's Patent en van Andere Werktuigen, Rotterdam, Netherlands. Weighing apparatus. 1,829,316; Oct. 27.
Van Berkel, Cornelis F. M. (See van Weenen, Franciscus L., assignor.)
Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Driving mechanism for slicing machines. 1,791,768; Feb. 10.
Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Driving mechanism for slicing machines. 1,791,769; Feb. 10.
Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,798,112; Mar. 24.
Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Method of and apparatus for wrapping foodstuffs. 1,801,650; Apr. 21.
Van Berkel, Cornelis F. M., Wassenaar, Netherland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,809,610; June 9.
Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Device for sharpening the rotary circular knives of slicing and other machines. 1,821,280; Sept. 1.
Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Weighing mechanism for slicing machines. 1,827,917; Oct. 20.
Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Combined slicing and weighing machine. 1,827,918; Oct. 20.
Van Berkel, Cornelis F. M., Wassenaar, assignor to Naamlooze Vennootschap Maatschappij tot Vervaardiging van Snijmachines Volgens van Berkel's Patent en van Andere Werktuigen, Rotterdam, Netherlands. Weighing apparatus. 1,829,315; Oct. 27.
Van Berkel, Cornelis F. M., Wassenaar, and J. van Hoorn, Voorburg, Netherlands, assignors to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,790,888; Feb. 3.
Van Berkel, Cornelis F. M., Wassenaar, and A. Van Duyn, assignors to Naamlooze Vennootschap Maatschappij tot Vervaardiging van Snijmachines volgens van Berkel's Patent en van andere Werktuigen, Rotterdam, Netherlands. Dashpot brake for scales. 1,809,084; June 9.
Van Berkel, Johannes C., Copenhagen, Denmark. Slicing machine. 1,797,887; Mar. 24.
Van Berkel, Wilhelmus A., Montreux, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,798,113; Mar. 24.
Van Bezel, Frank, assignor to Dual Aircraft Motors Inc., Ltd., El Centro, Calif. Packing gland. 1,811,735; June 23.
Van Bezel, Frank, assignor to Dual Aircraft Motors Inc., Ltd., El Centro, Calif. Piston rod coupling. 1,811,736; June 23.
Van Bezel, Frank A., assignor to Dual Aircraft Motors Inc., Ltd., El Centro, Calif. Piston rod connection. 1,811,737; June 23.
Van Bezel, Frank A., assignor to Dual Aircraft Motors Inc., Ltd., El Centro, Calif. Sleeve valve operating shaft. 1,811,768; June 23.
Van Bornegg, Carl B., Frankfort-on-the-Main, Germany. Making a stable powder from whole milk. 1,808,730; June 2.
Van Bree, Hubert, assignor to Racine Universal Motor Company, Racine, Wis. Hair clipper. 1,811,903; June 30.
Van Briggle, Howard, et al. (See Barr, Roy L., assignor.)
Van Brunt, John, Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler furnace. 1,795,383; Mar. 10.
Van Brunt, John, Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Pulverized-fuel burner. 1,795,454; Mar. 10.
Van Brunt, John, Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler. 1,832,064; Nov. 17.
Van Brunt, John, Flushing, H. Kreisinger, Piermont, and H. T. Bernhard, Nyack, assignors to International Combustion Engineer Corporation, New York, N. Y. Economizer. 1,795,909; Mar. 10.
Van Buren, John, Brooklyn, N. Y. Apparatus for feeding and cutting material. 1,828,793; Oct. 27.
Van Buren, John, Brooklyn, N. Y. Sheet feeding mechanism. 1,837,241; Dec. 22.
Van Buskirk, Lesher W., Easton, Pa. Dipper tooth. 1,796,737; Mar. 17.
Van Buskirk, Paul R., Detroit, Mich. Apparatus for drawing topographic maps. 1,826,375; Oct. 6.
Van Buskirk, Robert N., Detroit, Mich., assignor to Bendix Brake Company, South Bend, Ind. Brake. 1,787,501; Jan. 6.
Vance, George E. (See Weinland, H. G., and Vance.)
Vance, George E., assignor to The Safety Grinding Wheel & Machine Company, Springfield, Ohio. Grinding wheel. 1,826,907; Oct. 13.
Vance, Henry E. (See Tate, James E., assignor.)
Vance, John W., Detroit, Mich. Machine for making radiating tubes. 1,829,202; Oct. 27.
Vance, Vincent O., Colfax, Calif. Fishing tool. 1,823,340; Sept. 15.
Vance, Walter N. (See Adler, J. B., O'Connor, and Vance.)
Vance, Walter N., North Aurora, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Lattice brace. 1,795,060; Mar. 3.
Vance, Walter N., North Aurora, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Locker hook. 1,798,768; Mar. 31.
Vance, Walter N., North Aurora, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Shelf box. 1,832,158; Nov. 17.
Vance, Walter N., Chicago Heights, assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill. Box insert. 1,801,943; Apr. 21.
Vance, Walter N., Chicago Heights, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Checkbook. 1,807,356; May 26.
Vance, Walter N., Chicago Heights, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Locker. 1,817,785; Aug. 4.
Vance, Walter N., Chicago Heights, assignor, by mesne assignments, to Lyon Metal Products Incorporated, Aurora, Ill. Locking device. 1,820,715; Aug. 25.
Vance, Walter N., North Aurora, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Rack. 1,820,716; Aug. 25.
Vance, Walter N., Aurora, and J. Ratz, East Chicago Heights, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Coat hook. 1,795,059; Mar. 3.
Vance, Walter N., J. B. O'Connor, and J. B. Adler, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Boltless structure. 1,798,182; Mar. 31.
Van Cleaf, John C., Maplewood, N. J., assignor, by mesne assignments, to Container Corporation of America, Chicago, Ill. Shipping box. 1,826,104; Oct. 6.
Van Coppenolle, Gaston, Rochecorbon, France. Spinning apparatus. 1,823,011; Sept. 15.
Van Daam, Gerrit, Kenmore, N. Y. Tire removing machine. 1,824,246; Sept. 22.
Van Daam, Gerrit, Buffalo, N. Y. Mop wringer. 1,824,311; Sept. 22.
Van Daam, Gerrit, Buffalo, N. Y. Delivered preheated air to combustion chambers. 1,832,434; Nov. 17.
Vandagriff, John R., assignor of one-fourth to J. N. Ward, Weatherford, Tex. Table attachment for beds. 1,797,847; Mar. 24.
Van Dall, John E., Covington, Okla. Washing apparatus. 1,816,990; Aug. 4.
Van de Carr, Charles R., jr., Beaupre, Quebec, Canada, assignor to Chemipulp Process Inc., Watertown, N. Y. Method and apparatus for the chemical treatment of pulp. 1,818,913; Aug. 11.
Vandegrift, James N., New York, N. Y. Packing material. 1,820,955; Sept. 1.
Vandegrift, James N., assignor to International Bitumenoil Corporation, New York, N. Y. Fractionating tower and scrubber. 1,829,949; Nov. 3.
Vandegrift, James N., New York, N. Y., assignor to International Bitumenoil Corporation. Condenser. 1,833,664; Nov. 24.
Vandegrift, Nelson M., assignor to Sheip & Vandergrift Inc., Philadelphia, Pa. Lid for refrigerator cabinet. 1,819,851; Aug. 18.
Vandegrift, Nelson M., assignor to Sheip & Vandegrift, Inc., Philadelphia, Pa. Top for refrigerator cabinets. 1,823,517; Sept. 15.
Van Degrift, Thomas C. (See Lee, C. L., and Van Degrift.)

Van Degrift, Thomas C. (See Summers, C. E., and Van Degrift.)
Van Degrift, Thomas C., assignor to General Motors Research Corporation, Detroit, Mich. Coincidental lock. 1,798,917; Mar. 31.
Van Degrift, Thomas C., assignor to General Motors Research Corporation, Detroit, Mich. Flywheel balancing machine. 1,839,134; Dec. 29.
Vandegrift, William B., Minneapolis, and S. O. Bystrom, St. Paul, Minn. Radiator cap ornament. Des. 84,502; June 23.
Van den Bossche, Jean J., Enghien, Belgium. Steam turbine. 1,798,566; Mar. 31.
Van Derau, Clarence, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Chromium plated article. 1,835,679; Dec. 8.
Vanderbeek, Gerrit, assignor to Yates-American Machine Company, Beloit, Wis. Boring machine. 1,803,740; May 5.
Vanderbilt, R. T., Company. (See Evans, Walter W., assignor.)
Vanderbilt, R. T., Co. (See Kaegebehn, Charles F., assignor.)
Vanderbilt, R. T., Company. (See Murrill, Paul I., assignor.)
Vanderbilt, R. T., Company. (See Murrill, P. I., and Evans, assignors.)
Vanderbilt, R. T., Company. (See Somerville, Albert A., assignor.)
Vanderbilt, R. T., Company. (See Sproat, Ira E., assignor.)
Vandercook, David D., assignor to Vandercook & Sons, Chicago, Ill. Register-punch mechanism and like device. 1,789,850; Jan. 20.
Vandercook, David D., E. O., and F. R., Chicago, Ill. Machine for marking articles. 1,789,851; Jan. 20.
Vandercook, Edward O. (See Vandercook, David D., E. O., and F. R.)
Vandercook, Frederick R. (See Vandercook, David D., E. O., and F. R.)
Vandercook & Sons. (See Vandercook, David D., assignor.)
Van der Does de Bije, Anne J. M. A., The Hague, Netherlands. Furnace. 1,811,339; June 23.
Van de Reijden, Willem J. (See Haalmeijer, J. D. and W. W., and van de Reijden.)
Van der Grinten, Frans. (See Hingst, Albert K. G., assignor.)
Van der Grinten, Frans. (See van der Grinten, Karel and L., assignors.)
Van der Grinten, Karel and L., assignors to F. van der Grinten, trading as Chemische Fabriek L. van der Grinten, Venlo, Netherlands. Manufacture of diazo-types. 1,821,281; Sept. 1.
Van der Grinten, Louis. (See van der Grinten, Karel and L.)
Vanderhider, Henry M., Weslaco, Tex. Tellurian. 1,814,984; July 14.
Van Derhoef, George N., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Bearing. 1,792,618; Feb. 17.
Van Derhoef, George N., Mishawaka, Ind., assignor to Dodge Manufacturing Corporation. Shaft support. 1,825,293; Sept. 29.
Van Der Lande, Johannes C. L., Ubbergen, Netherlands, assignor to Oelwerke Noury & Van Der Lande, Emmerich, Germany. Apparatus for automatically covering the basins of presses and the like. 1,788,257; Jan. 6.
Vanderlip, Edward G., Washington, D. C. Safety device for airplanes. 1,832,159; Nov. 17.
Vanderlip, Louis C., Elkhart, Ind. Latch. 1,796,548; Mar. 17.
Van Der Meer, Peter C. A., Detroit, Mich., assignor to Transue and Williams Steel Forging Corporation, Wilmington, Del. Caster. 1,796,068; Mar. 10.
Van der Molen, Everet, Groningen, Holland. Centrifugal separator. 1,827,681; Oct. 13.
Van der Molen, Hindrik. (See Gordyn, C., jr., and van der Molen.)
Van der Poel, Johannes M. (See Gooskens, H., and van der Poel.)
Van Der Pol, Balthasar, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Discharge tube. 1,834,113; Dec. 1.
Vander Veer, John H., Westfield, N. J., assignor to National Pneumatic Company, New York, N. Y. Door-check device. 1,835,103; Dec. 8.
Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Support for counter partitions. 1,788,038; Jan. 6.
Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Binding for linoleum tops. 1,810,991; June 23.
Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Metal counter construction. 1,830,045; Nov. 3.
Vanderveld, Anthony, Grand Rapids, assignors to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Bracket. 1,831,550; Nov. 10.
Vandervelden, Omer W., Forest Grove, Oreg. Stereotype caster. 1,796,349; Mar. 17.
Vandervoort, Milford T., assignor to American Seating Company, Grand Rapids, Mich. Chair construction. 1,797,201; Mar. 17.
Vandervoort, Milford T., assignor to American Seating Company, Grand Rapids, Mich. Upholstering machine. 1,801,029; Apr. 14.
Vanderwerp, Henry, assignor to Rotary Pressure Cooler Company, Manitowoc, Wis. Apparatus for making cement. 1,826,847; Oct. 13.
Vanderwilt, Bert, Everett, Wash. Dust collecting bag for vacuum sweepers. 1,827,496; Oct. 13.
Van der Woude, Fritz, assignor to The General Industries Company, Elyria, Ohio. Governor. 1,807,052; May 26.
Van Deurs, Jan A. S., Frederiksberg, near Copenhagen, Denmark. Treating fatty raw materials. 1,833,061; Nov. 24.
Vandeveer, Perry O., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Plug valve. 1,793,655; Feb. 24.
Vandeveer, Perry, assignor of one-half to A. E. Walsh, Louisville, Ky. Clutch. 1,821,127; Sept. 1.
Van Deventer, Francis M., Los Angeles, Calif. Valve. 1,792,945; Feb. 17.
Van Deventer, Harry R., New York, N. Y., assignor, by mesne assignments, to Inland Manufacturing Company, Dayton, Ohio. Apparatus for molding ice. 1,828,693; Oct. 20.
Van Deventer, Horace, Knoxville, Tenn. Powdered coal burner. 1,837,635; Dec. 22.
Van Deventer, James E., Anderson, assignor, by mesne assignments, to Mid-States Steel & Wire Company, Crawfordsville, Ind. Farm gate. 1,821,411; Sept. 1.
Van Deventer, John H., Yonkers, N. Y. Walking toy. 1,808,965; June 2.
Vande Water, Frank C., assignor to Petroleum Laboratories, Inc., Newburgh, N. Y. Cracking oil. 1,788,933; Jan. 13.
Vandine, Oliver W., Carneiro, Kans. Cultivator disk scraper. 1,837,347; Dec. 22.
Vandivort, Homer H. (See Grisham, R. B., Vandivort, Grisham, and Miles.)
Van Doren, Abraham E. (See Hayden, Harold R., assignor.)
Vandoren, Bernard J., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,830,044; Nov. 3.
Van Doren, Harold L., Toledo, Ohio. Scale chart. Des. 85,405; Oct. 20.
Van Doren, Harold L., Toledo, Ohio. Scale frame. Des. 85,607; Nov. 17.
Van Doren, Harold L., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Scale frame. Des. 85,897; Dec. 29.
Van Dorn Electric Tool Company, The. (See Connell, Edwin L., assignor.)
Van Dorn Electric Tool Company, The. (See Decker, Alonzo G., assignor.)
Van Dorn Electric Tool Company, The. (See Rempes, George H., assignor.)
Van Dorn, Herbert E., Chicago, Ill., assignor to W. E. Van Dorn, Pasadena, Calif. Combined car and fluid coupler. 1,790,290; Jan. 27.
Van Dorn, Herbert E., Chicago, Ill., assignor to W. E. Van Dorn, Pasadena, Calif. Controller for car coupler and electric circuits. 1,790,291; Jan. 27.
Van Dorn, Herbert E., Chicago, Ill., assignor to W. E. Van Doorn, Pasadena, Calif. Electric coupler. 1,790,292; Jan. 27.
Van Dorn, Herbert E., Chicago, Ill., assignor to William E. Van Dorn, Pasadena, Calif. Car and electric coupler. 1,819,213; Aug. 18.
Van Dorn, Herbert E., Chicago, Ill., assignor to W. E. Van Dorn, Pasadena, Calif. Combined car and electric coupler. 1,819,214; Aug. 18.
Van Dorn, Horace B., Maplewood, assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Eraser-holding tip for pencils. Des. 85,500; Nov. 3.
Van Dorn, Horace B., Maplewood, assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Pencil. 1,821,994; Sept. 8.
Van Dorn Iron Works Company, The. (See Garber, Harry D., assignor.)
Van Dorn Iron Works Company, The. (See Shank, A. E., Fisler, and Linden, assignors.)
Van Dorn, William E. (See Van Dorn, Herbert E., assignor.)
Van Dorn, William E., Pasadena, Calif., assignor to Union Metal Products Company, Chicago, Ill. Metal structure for railway cars. 1,809,611; June 9.
Van Dorn, William E., Pasadena, Calif., assignor to Union Metal Products Company, Chicago, Ill. Metallic structure for railway cars. 1,809,612; June 9.
Van Dorn, William E., Pasadena, Calif., assignor to Railway Metal Products Company, Chicago, Ill. Side door for railway cars. 1,813,553; July 7.
Van Dresser Specialty Corporation. (See Burch, Fred, assignor.)
Van Dusen, Charles A., assignor to The Glenn L. Martin Company, Cleveland, Ohio. Structural material. 1,791,856; Feb. 10.
Van Dusen, Charles A., assignor to The Glenn L. Martin Company, Cleveland, Ohio. Fluid tank. 1,801,468; Apr. 21.
Van Dusen, Charles A., assignor to The Glenn L. Martin Company, Cleveland, Ohio. Airplane control. 1,802,130; Apr. 21.

Van Dusen, George, assignor to Gaylord Brothers, Incorporated, Syracuse, N. Y. Type-card for printing machines. 1,818,830; Aug. 11.
Van Dusen, Ralph R., and R. A. Phillips, Wichita, Kans. Refreshment booth. Des. 83,838; Mar. 31.
Van Duyn, Adrianus. (See Van Berkel, C. F. M., and Van Duyn.)
Van Duyn, Adrianus, Rotterdam, Holland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,809,430; June 9.
Van Duyn, Adrianus, assignor to Naamlooze Vennootschap Maatschappij tot Vervaardiging van Snijmachines volgens van Berkel's Patent en van andere Werktuigen, Rotterdam, Netherlands. Liquid brake or dashpot. 1,809,083; June 9.
Van Duyn, Adrianus, assignor to Naamlooze Vennootschap Maatschappij tot Vervaardiging van Snijmachines volgens Van Berkel's Patent en van andere Werktuigen, Rotterdam, Netherlands. Scale. 1,823,415; Sept. 15.
Van Duyn, Robert G., Greenfield, Ind. Automobile signal. 1,834,557; Dec. 1.
Van Dyck, Arthur F., Yonkers, N. Y., assignor to Radio Corporation of America. Radio system. 1,808,941; June 9.
Van Dyck, Arthur F., Yonkers, N. Y., assignor to Radio Corporation of America. Radio receiving apparatus. 1,824,517; Sept. 22.
Van Dyk, L. A. (See Ostromislensky, Iwan, assignor.)
Van Dyke, Russell H. (See Staud, C. J., and Van Dyke.)
Van Eaton, Ralph A., Corona, N. Y., assignor to Standard Oil Development Company. Internal combustion engine and operating the same. 1,812,841; June 30.
Van Epps, Margaret E., Floral Park, New York, assignor of one-third to R. C. Birkhahn, Woodmere, Long Island, N. Y. Studio dress. 1,829,170; Oct. 27.
Van Epps, Margaret E., Floral Park, N. Y., assignor of one-third to R. C. Birkhahn, Woodmere, Long Island, N. Y. Studio dress. 1,829,171; Oct. 27.
Van Ess Laboratories, Inc. (See Van Sant, Robert H., assignor.)
Van Etten, Scott, Marysville, Ohio. Gas cock. 1,814,534; July 14.
Van Etten, William V., Bellingham, Wash. Monkey wrench. 1,807,678; June 2.
Van Etten, William V., Bellingham, Wash. Roller skate. 1,810,380; June 16.
Van Etten, William V., Bellingham, Wash. Dirigible guide-light mounting mechanism for automobiles. 1,812,418; June 30.
Van Eyk, Hoyte H. W., Deventer, and J. P. Pfeiffer, Delft, Netherlands, assignors, by mesne assignments, to The Brown Instrument Company, Philadelphia, Pa. Automatic control of humidity of air. 1,834,987; Dec. 8.
Van Fleet, Elon J., Joliet, assignor to W. E. Pratt, Chicago, Ill. Lifting jack. 1,816,625; July 28.
Van Fleet, Walter N., Boonton, N. J., assignor to Sharp & Van Fleet Manufacturing Co., Inc. Boiler. 1,803,155; Apr. 28.
Van Gasteren, Jacobus P., Haarlem, Netherlands. Fastening device for writing utensils, such as pencils or the like. 1,839,065; Dec. 29.
Van Gelder, Louis, Hackensack, N. J. Traffic mirror. 1,837,085; Dec. 15.
Van Gessel, Karel M., Eindhoven, Netherlands, assignor to Radio Corporation of America. Incandescent cathode discharge tube. 1,838,888; Dec. 29.
Van Guilder, Walter, assignor to Stewart-Warner Corporation, Chicago, Ill. Shock absorber. 1,794,475; Mar. 3.
Van Guilder, Walter, assignor to Steward-Warner Corporation, Chicago, Ill. Windshield cleaner. 1,809,365; June 9.
Van Gytenbeek, Anthony, Paterson, N. J. Toy savings bank. Des. 84,907; Aug. 18.
Van Hagan, Homer H., Buffalo, N. Y., assignor, by mesne assignments, to Certain-teed Products Corporation. Composite board. 1,789,327; Jan. 20.
Van Halteren, Andrew S., East Lansing, assignor, by mesne assignments, to Motor Wheel Corporation, Lansing, Mich. Distributing apparatus. 1,795,582; Mar. 10.
Van Halteren, Andrew S., East Lansing, assignor, by mesne assignments, to Motor Wheel Corporation, Lansing, Mich. Rim mounting. 1,818,440; Aug. 11.
Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Indicator. 1,796,639; Mar. 17.
Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Indicator. 1,813,002; July 7.
Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Chuck. 1,817,721; Aug. 4.
Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Indicating device. 1,817,722; Aug. 4.
Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Indicator. 1,817,723; Aug. 4.
Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Indicating device. 1,817,724; Aug. 4.
Van Hamersveld, John J. N., Cleveland Heights, and E. P. Burrell, Shaker Heights, assignors to The Warner & Swasey Company, Cleveland, Ohio. Chuck closing and opening mechanism. 1,816,239; July 28.
Van Hasselt, David H., Brussels, Belgium, and P. Monnoyeur, Paris, France. Safety razor. 1,798,820; Mar. 31.
Van Hattum, Arie, The Hague, Netherlands. Joint system for tubular framework or similar metal constructions. 1,828,235; Oct. 20.
Van Heeden, Arthur P., assignor to Universal Oil Products Company, Chicago, Ill. Gas producer. 1,810,738; June 16.
Van Heusen, John M. (See Phillips, A. S., and Lawton, assignors.)
Van Hook, Charles F., assignor to Watson Machine Company, Paterson, N. J. Cable reel stand. 1,825,218; Sept. 29.
Van Hook, Charles F., assignor to The Watson Machine Company, Paterson, N. J. Spool adjusting device. 1,836,208; Dec. 15.
Van Hoorn, Albert W. W., Wilmington, Del., assignor to American Car and Foundry Company, New York, N. Y. Muffler. 1,803,415; May 5.
Van Hoorn, Jetze. (See van Berkel, C. F. M., and van Hoorn.)
Van Hoorn, Jetze, Voorburg, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Driving mechanism for slicing machines. 1,791,770; Feb. 10.
Van Hoorn, Jetze, Voorburg, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,795,061; Mar. 3.
Van Hooydonk, Adrian C., assignor to John E. Smith's Sons Company, Buffalo, N. Y. Meat-cutting machine. 1,788,214; Jan. 6.
Van Hooydonk, Adrian C., assignor to J. E. Smith's Sons Company, Buffalo, N. Y. Meat slicing machine. 1,817,658; Aug. 4.
Van Horn, Arthur H. (See Tegarty, John B., assignor.)
Van Horn, Earl, Huntington Park, Calif., assignor of one-fourth to Lester F. Lemm, Lynwood, one-half to Richard S. Flaherty, Torrance, and one-fourth to H. E. Anson, South Gate, Calif. Aeroplane landing light. 1,793,656; Feb. 24.
Van Horn, Earl, assignor to Goodyear's Inc., Los Angeles, Calif. Aeroplane landing light. 1,804,572; May 12.
Van Horn, Irving H., and W. A. Pipkin, East Cleveland, Ohio, assignors to General Electric Company. Protective device for electrical devices. 1,797,031; Mar. 17.
Vanhorn, James J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control apparatus. 1,812,225; June 30.
Vanhorn, James J., Pittsburgh, assignor, to The Union Switch & Signal Company, Swissvale, Pa. Remote control apparatus. 1,822,913; Sept. 15.
Vanhorn, James J., Wilkinsburg, and H. C. Vantassel, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway interlocking apparatus. 1,789,715; Jan. 20.
Van Horn, John W., San Diego, Calif. Combined seat and cushion pack for parachutes. 1,817,725; Aug. 4.
Van Horn, Robert R., Columbus, Ohio. Theftproof steering wheel. 1,809,765; June 9.
Van Horne, John S., assignor to Van Horne Tube Company, Franklin, Ohio. Tubulating lamp bulbs. 1,808,729; June 2.
Van Horne Tube Company. (See Van Horne, John S., assignor.)
Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Dough-molding apparatus. 1,800,417; Apr. 14.
Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Dough divider and rounder. 1,800,418; Apr. 14.
Van Houten, Frank H., assignor to Dutchess Tool Company Beacon, N. Y. Dough handling apparatus. 1,808,696; June 2.
Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Automatic dough divider. 1,816,753; July 28.
Van Hove, Desire H., Royal Oak, assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Spring seat structure. 1,804,722; May 12.
Vanica, Pearl R., Akron, Ohio. Wheel aligner. 1,823,983; Sept. 15.
Vanick, James S. (See Merica, P. D., Vanick, and Wickenden.)
Van Kessel, George C., Opa-Locka, and M. E. Lindgren, Miami, Fla., assignors to International Insect Destroyer Manufacturing Company. Insect catcher. 1,809,766; June 9.
Van Keulen, Godefridus H. C., assignor to Naamlooze Vennootschap De Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Blow-out preventer. 1,830,214; Nov. 3.
Van Lammeren, Willem P., Voorschoten, Netherlands. Propeller. 1,812,814; June 30.
Van Llew, John. (See Hattery, Joseph S., assignor.)
Van Loenen, William F. (See Fisher, H. F., Gassaway, and Van Loenen.)
Van Loenen, William F., Buena Park, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Emulsion treater. 1,838,889; Dec. 29.
Van Loenen, William F., Buena Park, assignor to Petroleum Rectifying Company of Calif, Los Angeles, Calif. Electrical dehydrator. 1,838,890; Dec. 29.
Van Madaler, Ferdinand, Hampton Bays, assignor, by mesne assignments, to Visionola Mfg. Corporation, New York, N. Y. Sound recording mechanism. 1,815,692; July 21.

Van Marle, Dirk J., assignor to Buffalo Foundry and Machine Company, Buffalo, N. Y. Apparatus for drying sticky materials. 1,810,691; June 16.
Van Melle, André E., Ghent, Belgium, assignor, by mesne assignments, to Package Paper Company, Holyoke, Mass. Simulated lace article. 1,836,052; Dec. 15.
Van Meter, Solomon L., jr., Garden City, N. Y. Storage battery. 1,791,152; Feb. 3.
Van Meter, Solomon L., jr., Garden City, N. Y. Battery electrolyte feeding device. 1,837,242; Dec. 22.
Van-Moore Mills Company. (See Talbirt, John A., assignor.)
Van Neil, Cornelis B., Delft, assignor, by mesne assignments, to Naamlooze Vennootschap; Internationale Octrooi Maatschappij "Octropa", Rotterdam, Netherlands. Manufacturing aromatic and durable butter. 1,816,800; July 28.
Vanneman, Daniel R. (See Smith, H. C., and Vanneman.)
Van Ness, Oscar L., Berkeley, Calif. Advertising device. 1,802,622; Apr. 28.
Van Noorden, E., Company. (See Isgur, Louis, assignor.)
Van Noorden, E., Company. (See Kiefer, William G., assignor.)
Van Nordstrand, Robert D., Scotia, N. Y., assignor to General Electric Company. Ship propulsion system. 1,822,760; Sept. 8.
Van Norman, Charles E., Springfield, Mass. Bench tool. 1,803,984; May 5.
Van Norman, Charles E., assignor to Van Norman Machine Tool Company, Springfield, Mass. Feed mechanism for grinding machines. 1,788,475; Jan. 13.
Van Norman, Harvey A., Los Angeles, Calif., assignor to The Dorr Company, New York, N. Y. Self-cleaning bar screen. 1,794,504; Mar. 3.
Van Norman Machine Tool Co. (See Stowell, Byron F., assignor.)
Van Norman Machine Tool Company. (See Van Norman, Charles E., assignor.)
Van Nostrand, Arleigh N., Flushing, assignor to Telautograph Corporation, New York, N. Y. Contact maker and breaker. 1,802,487; Apr. 28.
Van Nostrand, Arleigh N., Flushing, assignor to Telautograph Corporation, New York, N. Y. Relay mechanism. 1,817,468; Aug. 4.
Van Note, Eugene, Jersey City, N. J. Rudder. 1,823,433; Sept. 15.
Van Nuland, John. (See Bouma, Wikke, assignor.)
Van Nuland, John. (See Privett, Henry C., assignor.)
Van Nuys, Claude C., Cranford, and J. L. Schlitt, Elizabeth, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y. Separating the constituents of gaseous mixtures. 1,799,937; Apr. 7.
Van Osdel, William J., Chicago, Ill. Hair cutter attachment. 1,807,811; June 2.
Van Osdel, William J., Chicago, Ill. Clipper. 1,833,191; Nov. 24.
Van Pappelendam, Carl A., Keokuk, Iowa. Tandem seat construction. 1,807,077; May 26.
Van Patten, Burton, Brea, Calif. Earth boring drill. 1,820,511; Aug. 25.
Van Raalte Company. (See Fichtner, G. E., and Van Arsdale, assignors.)
Van Raalte Company. (See Pons, Helene, assignor.)
Van Ranst, Cornelius W., Detroit, Mich. Pump. 1,789,611; Jan. 20.
Van Ranst, Cornelius W., Auburn, Ind., assignor, by mesne assignments, to Manning & Co., Chicago, Ill. Gear shift mechanism for automobiles. 1,822,252; Sept. 8.
Van Ranst, Cornelius W., Auburn, Ind., assignor to Manning & Co., Chicago, Ill. Automobile construction. 1,823,997; Sept. 22.
Van Ranst, Cornelius W., Auburn, Ind., assignor, by mesne assignments, to Manning & Co., Chicago, Ill. Fan mounting for front wheel drive automobiles. 1,830,494; Nov. 3.
Van Ranst, Cornelius W., Indianapolis, Ind., assignor, by mesne assignments, to Manning & Co., Chicago, Ill. Universal joint. 1,836,095; Dec. 15.
Van Rennes, Cornelis, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Treatment of air bags. 1,818,937; Aug. 11.
Van Rensselaer, Kiliaen M., Woodmere, and H. R. Swanson, Brooklyn, assignors to Triangle Kapok Machine Corporation, Brooklyn, N. Y. Apparatus for treating fibers and the like. 1,805,117; May 12.
Van Riper, Lewis C. (See Woodward, Edgar F., assignor.)
Van Ryan, Tony, and A. Alsaker, assignors to The Delta-Star Electric Company, Chicago, Ill. Combined choke coil and ground switch. 1,816,878; Aug. 4.
Van Sant, Robert H., Chicago, Ill. Toilet package. 1,805,299; May 12.
Van Sant, Robert H., Chicago, Ill., assignor to Van Ess Laboratories, Inc. Massage applicator. 1,819,628; Aug. 18.
Van Schaack Bros. Chemical Works, Inc. (See Calvert, Robert, assignor.)
Van Schaack Bros. Chemical Works, Inc. (See Van Schaack, Robert H., jr., assignor.)
Van Schaack Bros. Chemical Works, Inc. (See Van Schaack, R. H., jr., and Boehmer, assignors.)
Van Schaack, Robert H., jr., Evanston, assignor to Van Schaack Bros. Chemical Works, Inc., Chicago, Ill. Ester of tetrahydrofurfuryl alcohol. 1,802,623; Apr. 28.
Van Schaack, Robert H., jr., Evanston, assignor to Van Schaack Bros., Chemical Works, Inc., Chicago, Ill. Esters of secondary alcohols. 1,815,878; July 21.
Van Schaack, Robert H., jr., Evanston, and N. Boehmer, Chicago, assignors to Van Schaack Bros. Chemical Works, Inc., Chicago, Ill. Purifying esters. 1,836,096; Dec. 15.
Van Sciver, Lloyd, Philadelphia, Pa. Distributing fire extinguisher. 1,796,416; Mar. 17.
Van Senden, Gerhardus, H. Martinez, assignor, by mesne assignments, to Shell Development Company, San Francisco, Calif. Treating liquid hydrocarbons. 1,819,348; Aug. 18.
Van Sickel, Ernest J. (See Hershey, O. S., and Van Sickel.)
Van Sickel, Ernest J. (See Hershey, O. S., Van Sickel, and Henderson.)
Van Sickel, Ernest J., Waukegan, Ill. Automobile lock. 1,838,891; Dec. 29.
Van Sickel, Wilber H., Langhorne, assignor to The Dallett Company, Philadelphia, Pa. Stone dressing machine. 1,805,269; May 12.
Van Sickle, Frank M., Trenton, assignor of one-third to M. A. Van Sickle, Branchville, N. J. Water gate and hose connection. 1,817,538; Aug. 4.
Van Sickle, Mary A. (See Van Sickle, Frank M., assignor.)
Vansickle, Melvin E., assignor to Brandes Laboratories, Inc., Newark, N. J. Electrical phonograph apparatus. 1,834,359; Dec. 1.
Van Sickle, Roswell C., and S. T. Schofield, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Operating mechanism for oil circuit interrupters. 1,807,020; May 26.
Van Sicklen Corporation. (See Kimball, Samuel J., assignor.)
Van Sicklen Corporation. (See Thompson, Gertrude E., assignor.)
Van Sickler, Robert, Washington, D. C., assignor to American Lead Pencil Company. Automatic telephone-dial-operating pencil attachment. 1,798,050; Mar. 24.
Van Slyke, Leland M., North Hollywood, Calif. Tie-wire tightening and twisting device. 1,795,625; Mar. 10.
Van Straaten, Louis O., Biggekerke, Netherlands. Producing clichés for two, three or more color prints, lantern slides, and colored windows, and the like. 1,811,600; June 23.
Van Stry, Charles C., West Englewood, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y. Slitting means. 1,821,681; Sept. 1.
Van Tassel, Charles H., Philadelphia, Pa. Mattress. 1,829,620; Oct. 27.
Van Tassel, Edward D., jr., Swampscott, Mass. Shoe. 1,791,177; Feb. 3.
Vantassel, Harry C. (See Brooks, C. A., and Vantassel.)
Vantassel, Harry C. (See Vanhorn, J. J., and Vantassel.)
Vantassel, Harry C., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway-crossing signals. 1,797,302; Mar. 24.
Vantassel, Harry C., Pittsburgh, and G. R. Pflasterer, assignors to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 1,812,183; June 30.
Van Tassell, Arthur R. (See McIntosh, R. E., and Van Tassell.)
Van Urk, Arend T. (See Holst, G., van Urk, and Vermeulen.)
Van Urk, Arend T. (See Vermeulen, R., and van Urk.)
Van Valkenburg, Earl C., Babylon, N. Y. Closure for containers. 1,836,561; Dec. 15.
Van Valkenburg, Edward S., assignor to Homer P. Synder Manufacturing Company, Inc., Little Falls, N. Y. Bicycle frame. 1,791,985; Feb. 10.
Van Valkenburgh, Richard M., and C. A. Cederleaf, Kansas City, Mo., assignors, by mesne assignments, to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 1,810,231; June 16.
Van Vlaanderen Machine Company. (See Hinnekens, Florent, assignor.)
Van Vlaanderen Machine Company. (See Peterson, John E., assignor.)
Van Voorhees, Harold E. (See Hamilton, F. F., and Van Voorhees.)
Van Voorhis, Cletus C., Kingston, N. J., assignor to Westinghouse Lamp Company. Basing cement. 1,795,746; Mar. 10.
Van Vorst, John, assignor to Mohawk Asphalt Heater Company, Schenectady, N. Y. Trailer wheel lock. 1,809,003; June 9.
Van Vorst, John, Schenectady, assignor to Mohawk Asphalt Heater Company, Schenectady, N. Y. Trailer. 1,821,593; Sept. 1.
Van Vranken, Frank, Los Angeles, Calif. Safety throttle control. 1,806,960; May 26.
Van Wagenen, James H., Washington, D. C. Electromagnetic sound-producing device. 1,827,919; Oct. 20.
Van Weenen, Franciscus L., Rotterdam, Netherlands, assignor of one-half to C. F. M. van Berkel, Waesenaar, Netherlands. Device for injecting liquid under pressure. 1,806,770; May 26.
Van Wert, William B., Peckville, Pa. Camp bed. 1,830,378; Nov. 3.
Van Wezemael, Edward L. (See Gits, J. P., and Van Wezemael.)

Van Wienen, Pieter, Hamburg, Germany. Ship's hull. 1,826,229; Oct. 6.
Van Winkle, Raymond. (See Christiansen, W. G., and Van Winkle.)
Van Wormer, John R., Toledo, Ohio. Knockdown box. 1,835,729; Dec. 8.
Van Wyngaarden, Klaas. (See Thybony, N. W., and Ozabal, assignors.)
Van Zütphen, Ludwig. (See Schirmacher, K., and van Zütphen.)
Vapor Car Heating Company. (See Gold, E. H., and Russell, assignor.)
Vapor Car Heating Company. (See Parks, Walter, assignor.)
Vapor Car Heating Company. (See Post, Edward C., assignor.)
Vapor Car Heating Company. (See Russell, Edward A., assignor.)
Varady, Michael M., Cleveland, Ohio. Wrinkle iron. Des. 85,676; Dec. 1.
Varano, Vito, et al. (See Dicola, Rocco, assignor.)
Varaud, André, Geneva, Switzerland. Supersensitive head impact fuse. 1,831,520; Nov. 10.
Varcin, Adolphe L., Lens, France. Reversible device for the transformation of reciprocating motion into circular motion. 1,835,680; Dec. 8.
Varder, Holger, New York, N. Y. Headlight. 1,799,711; Apr. 7.
Vargo, Frank, assignor of one-half to H. Y. Roth, Toledo, Ohio. Automatic hood lock. 1,818,366; Aug. 11.
Vargo, Michael, assignor of one-seventh to F. Chestenick, one-seventh to E. W. Hodge, one-seventh to W. A. Poirier, one-seventh to C. H. Dildine, one-seventh to H. L. Schrock, and one-seventh to A. Galant, Detroit, Mich. Cleaning, sanding and polishing machine. 1,807,765; June 2.
Variety Fire Door Company. (See New, Alvin G., assignor.)
Variety Fire Door Company. (See Rak, Jaroslav, assignor.)
Varing, Louis E., Volin, S. Dak. Draft equalizer. 1,801,126; Apr. 14.
Varkas, Spiros S., New York, N. Y. Propeller mounting for aeroplanes and the like. 1,812,910; July 7.
Varnau, Bernard H., and T. B. Wayne, Sugar Land, Tex. Manufacture of extra fine, soft granulated cane sugar. 1,826,441; Oct. 6.
Varner, Howard C., and J. M. Koch, St. Joseph, Mo. Signal switch for use on automobiles. 1,823,809; Sept. 15.
Varner, Samuel B., Granby, Mo. Store fixture. 1,834,881; Dec. 1.
Varnes, Samuel K., assignor to Du Pont Ammonia Corporation, Wilmington, Del. Method of and apparatus for effecting synthesis. 1,835,827; Dec. 8.
Varney, Theodore, Sewickley, and J. P. King, assignors to Aluminum Company of America, Pittsburgh, Pa. Fitting for composite cables and applying same. 1,793,293; Feb. 17.
Varney, William N. (See Hammann, Frederick B., assignor.)
Varney, William T., Vancouver, British Columbia, Canada. Speculum. 1,827,497; Oct. 13.
Varney, William W. (See Grenagle, James B., assignor.)
Varney, William W. (See Heghinian, Garabed G., assignor.)
Varney, William W. (See Madsen, Charles P., assignor.)
Varney, William W. (See Watts, Roy T., assignor.)
Varusky, John J., Minneapolis, Minn., assignor to Hart-Carter Company, Peoria, Ill. Grain feeding device. 1,813,519; July 7.
Varvel, Sidney L., Berowra, New South Wales, Australia. Carburetor. 1,820,512; Aug. 25.
Vasel, Gustave A., Philadelphia, Pa. Color-grinding machine. 1,788,964; Jan. 13.
Vasse, John J., Bridgeport, Conn. Sanitary protector. 1,801,030; Apr. 14.
Vasticar, Henri, Paris, France, assignor to Schwob Freres & Cie S. A., La Chaux-de-Fonds, Switzerland. Pocket case. 1,820,926; Sept. 1.
Vauclain, Charles P., Drexel Hill, Pa. Axle box bearing. 1,816,801; July 28.
Vauclain, Charles P., Drexel Hill, and F. E. Merklinger, Philadelphia, Pa. Making axle boxes. 1,804,291; May 5.
Vaughan, Arthur H. (See Cope, F. T., and Vaughan.)
Vaughan, Berkeley S., assignor to Wheeler Screen Company, Geneva, Ill. Ironing table. 1,804,573; May 12.
Vaughan Company. (See Schueren, Arnold C., assignor.)
Vaughan, Frank O., Poughkeepsie, N. Y. Variable-speed drive. 1,793,571; Feb. 24.
Vaughan, Harry N., Villa Park, Ill. Stock oiler. 1,817,449; Aug. 4.
Vaughan, Henry H., Montreal, Quebec, and W. G. Cumming, Westmount, Quebec, Canada. Shaft coupling. 1,809,085; June 9.
Vaughan Novelty Mfg. Co. (See Gisske, Walter P., assignor.)
Vaughan, Victor G., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Temperature control system. 1,830,578; Nov. 3.
Vaughan, William S. (See Knowlton, W., and Vaughan.)
Vaughan, William, and A. E. Brown, London, Ontario, Canada, assignors to Package Machinery Company, Springfield, Mass. Assembling apparatus. 1,788,136; Jan. 6.
Vaughn, Albert E., Los Angeles, Calif. Masking paste. 1,795,455; Mar. 10.
Vaughn, Berkeley S., assignor to Wheeler Screen Company, Geneva, Ill. Ironing board. 1,831,896; Nov. 17.
Vaughn, De Will G., Richmond, Va. Signal. 1,834,882; Dec. 1.
Vaughn, Fred B., Maywood, assignor to J. Grant, Los Angeles, Calif. Sucker rod joint. 1,814,271; July 14.
Vaughn, George A., assignor to The Parsons Company, Newton, Iowa. Convertible excavating attachment. 1,806,511; May 19.
Vaughn, Harold G., Warren, Ohio, assignor to The Ohio Corrugating Company. Machine for expanding cylinders. 1,825,030; Sept. 29.
Vaughn, John L., Cicero, assignor to The Gerrard Company, Inc., Chicago, Ill. Wire-tying machine. 1,794,217; Feb. 24.
Vaughn Machinery Company, The. (See Graham, T. G., and Tippet, assignors.)
Vaughn Machinery Company, The. (See McIlvried, Edwin J., assignor.)
Vaughn Machinery Company, The. (See Nye, Norman H., assignor.)
Vaughn, Sidney P., U. S. Navy, Ackerman, Miss. Method and apparatus for heating fluids. 1,800,235; Apr. 14.
Vaughn, Sidney P., U. S. Navy, Ackerman, Miss. Wiper blade for cleaning devices. 1,825,376; Sept. 29.
Vaughn, William B., Baker, Oreg. Hay rake, gatherer, loader and buncher. 1,807,357; May 26.
Vaughn, William W., Solvay, N. Y. Support. 1,799,031; Jan. 27.
Vaupel, Albert, Berlin-Grunewald, Germany, assignor to Westinghouse Electric & Manufacturing Company. Transmission line structure. 1,815,600; July 21.
Vauruska, Bartlet F. (See Premo, Fred, assignor.)
Vawter, Charles E., Philadelphia, Pa., assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,817,657; Aug. 4.
Vawter, John M., assignor to Shadberg Company, Indianapolis, Ind. Brake. 1,806,510; May 19.
Vazah, Inc. (See Scovil, Cora L., assignor.)
Veale, George W., Cleveland Heights, assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Bumper. 1,802,189; Apr. 21.
Veale, George W., Cleveland Heights, assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Connecting means for bumperettes. 1,814,421; July 14.
Veale, George W., Cleveland Heights, assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Spotlight switch. 1,826,105; Oct. 6.
Veale, George W., Cleveland Heights, assignor to The Eaton Axle and Spring Company, Cleveland, Ohio. Bumper. 1,831,273; Nov. 10.
Veale, George W., Cleveland, and E. H. Lindeman, Cleveland Heights, assignors to The Eaton Axle & Spring Company, Cleveland, Ohio. Bumper construction. 1,822,717; Sept. 8.
Veatch, Frank G. (See Ross, E. T., and Veatch.)
Veazey, William R. (See Smith, A. K., and Veazey.)
Veber, Georges, Epinal, assignor to Roger G. L. Coutant, Vincennes, Seine, France. Bevel wheel. 1,811,446; June 23.
Vedder, Edwin H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Smoke indicator system. 1,810,739; June 16.
Vedder, John W. (See Lodding, F. W., and Vedder.)
Vedder, John W., Worcester, Mass. Press roll. 1,803,926; May 5.
Vedder, John W., assignor to Rice, Barton & Fales, Inc., Worcester, Mass. Apparatus for vibrating Fourdrinier wires. 1,798,440; Mar. 31.
Vedder, John W., assignor to Rice, Barton & Fales, Incorporated, Worcester, Mass. Laminated doctor. 1,803,924; May 5.
Vedder, John W., assignor to Rice, Barton & Fales, Incorporated, Worcester, Mass. Flexible doctor or scraper blade. 1,803,927; May 5.
Vedder, John W., and F. W. Lodding, assignors to Rice, Barton & Fales, Incorporated, Worcester, Mass. Flexible doctor. 1,803,925; May 5.
Vedovelli, Edouard, deceased, by Mrs. E. Vedovelli, née J. Hénaux, executrix, Paris, France. Water displaying and illuminating device. 1,824,518; Sept. 22.
Vedovelli, Mario, Milan, Italy. Skeining implement. 1,801,127; Apr. 14.
Veeder, Albert L., assignor to V. & L. Mill and Feeder Corporation, Boise, Idaho. Hammer-type mill and feeder. 1,797,107; Mar. 17.
Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Fluid regulating system. 1,824,969; Sept. 29.
Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Feed water regulator. 1,824,970; Sept. 29.
Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Feed water regulator. 1,824,971; Sept. 29.
Veetmeier, George A., Milwaukee, Wis. Curtain or drape rod attachment. 1,801,399; Apr. 21.
Vega Separator Corporation of America. (See Johnson, A., jr., and G. Worthington, assignors.)
Vegren, Conrad R., and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Ball bearing means for sliding members. 1,835,125; Dec. 8.

Vehl, Paul, and Eduard Schnitzler, Dessau in Anhalt, Germany, assignors to Agfa Ansco Corporation, Binghampton, N. Y. Photographic roll film cartridge. 1,820,168; Aug. 25.
Vehon, Louis, Chicago, Ill. Runway or automobile wheel elevator. 1,791,986; Feb. 10.
Veiga, Manuel G., Buenos Aires, Argentina. Industrial product based upon Paraguayan tea. 1,802,292; Apr. 21.
Veillette, Jeffrey, assignor to Scovill Manufacturing Company, Waterbury, Conn. Quick retreat device for feed members of attaching machines. 1,836,687; Dec. 15.
Veilleux, Adolphe, St. Maries, Idaho. Log decker. 1,796,495; Mar. 17.
Veitch-Perez Parts Corporation. (See Veitch, Thomas, assignor.)
Veitch, Thomas, Darien, Conn., assignor to Veitch-Perez Parts Corporation, New York, N. Y. Shock absorber. 1,834,439; Dec. 1.
Velling, Kristian E., Winthrop Harbor, Ill. Marking gauge. 1,796,227; Mar. 10.
Velten, Edwin, Elmhurst, New York, N. Y. Making photographs and camera device suitable for employment therewith. 1,788,645; Jan. 13.
Velton, Stephen J., Houston, Tex. Internal combustion engine. 1,831,150; Nov. 10.
Velvet Pad and Ink Co. (See Baumgarten, Emanuel, assignor.)
Velvetaire Co., The. (See Romero, Francis, assignor.)
Venable, William M., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Conveying apparatus. 1,788,554; Jan. 13.
Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Weighing batcher. 1,808,799; June 9.
Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Bucket construction. 1,808,800; June 9.
Venable, William W., Charleston, W. Va. Unloading apparatus. 1,805,427; May 12.
Venago, Arturo M. F., San Francisco, Calif. Container. 1,830,144; Nov. 3.
Venail, Paul, assignor to Société Anomyme de Fabrication des Tapis a Points Noués, "Saftan", Paris, France. Power looms for the manufacture of pile fabrics. 1,803,222; Apr. 28.
Vencill, Albert L., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for charging storage batteries. 1,837,738; Dec. 22.
Venderbush, Ray E., Detroit, Mich. Ventilating theaters and distributing sound. 1,823,479; Sept. 15.
Vendi Cater, Inc. (See McCormick, J. H., Allen, and Bender, assignors.)
Venditti, Larry, Philadelphia, Pa. Aquarium. Des. 83,137; Jan. 20.
Veneer Machinery Company. (See Dennis, Alfred A., assignor.)
Veneman, Carl C., Los Angeles, Calif. Lavatory construction. 1,827,053; Oct. 13.
Veneman, Charles. (See Cope, Raymond M., assignor.)
Vennum, George C., Westfield, N. J., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler tube cleaning apparatus. 1,817,278; Aug. 4.
Ven Roy, Henry J., and W. J. Berendsen, Grand Rapids, Mich. Receptacle. 1,793,765; Feb. 24.
Venske, Theodore B., Garfield, Minn. Dairy appliance. 1,838,721; Dec. 29.
Ventimiglia, Vincent S., St. Louis, Mo. Safety razor. 1,801,889; Apr. 21.
Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,791,108; Feb. 3.
Venzie, Frederick M., Philadelphia, Pa. Plaster-board structure and clip therefor. 1,800,670; Apr. 14.
Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,801,400; Apr. 21.
Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,803,371; May 5.
Venzie, Frederick M., Philadelphia, Pa. Plaster board clip. 1,805,648; May 19.
Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,816,449; July 28.
Venzie, Frederick M., Philadelphia, Pa. Ceiling construction. 1,816,450; July 28.
Venzie, Frederick M., Philadelphia, Pa. Plaster board building construction. 1,823,998; Sept. 22.
Venzie, Frederick M., Philadelphia, Pa. Clip for building construction. 1,836,828; Dec. 15.
Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,838,120; Dec. 29.
Verardo, Giovanni, and G. Centanaro, New York, N. Y. Clutch mechanism for a cloth straightening machine or the like. 1,833,625; Nov. 24.
Verderber, Josef. (See Batterman, E. F., and Verderber.)
Verderber, Joseph, Cleveland, Ohio. Clamp device. 1,809,576; June 9.
Verdich, Hans P., Aberdeen, S. Dak. Antiglare attachment for headlights. 1,805,606; May 19.
Verdini, Jean L. J. R., Oudjda, Morocco. Camping installations. 1,818,914; Aug. 11.
Vereinigte Eisenbahn-Signalwerke G. m. b. H. (See Schmitz, Wilhelm, assignor.)
Vereinigte Eisenbahn-Signalwerke, Gesellschaft mit beschrankter Haftung. (See Lüddecke, Karl, assignor.)
Vereinigte Glanzstoff-Fabrieken. (See Stöckly, J. J., and Bartunek, assignors.)
Vereinigte Schuhfabriken Berneis-Wessels A. G. (See Schubart, Benno, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Fricke, Erich, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Germann, Wilhelm, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Hübner, Otto, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Klinkenberg, Adolf, assignor.)
Vereinigte, Stahlwerke Aktiengesellschaft. (See Kosfeld, Wilhelm, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Kuhlemeier, H., and Gerhard, assignors.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Kurz, Heinrich, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Nehl, Franz, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Reichenbecher, Georg, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Uhrmacher, Matthias, assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Vereinigte Stahlwerke Aktiengesellschaft.)
Vereinigte Stahlwerke Aktiengesellschaft, the Firm. (See Hübner, Otto, assignor.)
Vereinigte Thuringer Metallwarenfabriken A. G. (See Tura, Paolo, assignor.)
Verger, Georges A., Paris, France, assignor, by mesne assignments, to Schwob Freres & Cie. S. A., La Chaux-de-Fonds Switzerland. Opening case for watches or like articles. 1,816,101; July 28.
Verhaar, Anthony. (See Fluhr, L., and Verhaar.)
Véricel, Antoine, Baldwin, N. Y., assignor to Doehler Products Corp. Metal furniture. 1,792,132; Feb. 10.
Vermeulen, Roelof. (See Holst, G., van Urk, and Vermeulen.)
Vermeulen, Roelof, Eindhoven, Netherlands, assignor to Radio Corporation of America. Carbon grain microphone. 1,829,203; Oct. 27.
Vermeulen, Roelof, and A. T. van Urk, Eindhoven, Netherlands, assignors to Radio Corporation of America. Magnet system for converting electrical into mechanical energy or inversely. 1,817,787; Aug. 4.
Vermillion, Charles O., Bloomfield, N. J., assignor to Wired Radio, Inc., New York, N. Y. Television apparatus. 1,826,332; Oct. 6.
Vermont Marble Company. (See Thompson, Chester A., assignor.)
Verna, Joseph A., and E. P. Archambault, Philadelphia, Pa. Automatic choke. 1,823,866; Sept. 15.
Vernam, Gilbert S., River Edge, N. J., assignor to American Telephone and Telegraph Company. Printing telegraph system. 1,791,587; Feb. 10.
Vernam, Gilbert S., River Edge, N. J., assignor to American Telephone and Telegraph Company. Printing-telegraph switching system. 1,798,235; Mar. 31.
Vernam, Gilbert S., River Edge, N. J., assignor to American Telephone and Telegraph Company. Signaling system. 1,801,380; Apr. 21.
Vernam, Gilbert S., River Edge, N. J., assignor to American Telephone & Telegraph Company. Telegraph exchange system. 1,804,548; May 12.
Vernay, Jean B., Villeurbanne, France. Rotating drying apparatus. 1,835,730; Dec. 8.
Verner, John D. (See Fairweather, N. H., and Verner.)
Verner, Jules, Linden, N. J., assignor to Standard Oil Development Company. Separation of paraffin from petroleum oils and apparatus therefor. 1,789,347; Jan. 20.
Verner, Jules, Linden, N. J., assignor to Standard Oil Development Company. Reducing evaporation losses in tanks. 1,813,870; July 7.
Vernet, Sergius, Brooklyn, N. Y. Car heater. Re18,110; June 23.
Vernet, Waldemar, assignor to Rubbersan Products Inc., New York, N. Y. Cutting sponge rubber. 1,814,197; July 14.
Verney-Carron & Cie. (See Faure, Julien M. P., assignor.)
Vernier, William J. and L. H. Cooley, Portsmouth, Ohio. Last. 1,793,344; Feb. 17.
Vernon, Frederick L., Newton, Iowa. Cap. 1,806,225; May 19.
Vernor, James, Company. (See Doughty, William E., assignor.)
Verona Chemical Co. (See Ehrlich, Jacob, assignor.)
Verona Tool Works. (See Endsley, Louis E., assignor.)
Verpent, Victor J., assignor to De Forest Radio Telephone & Telegraph Company, Jersey City, N. J. Wire bending machine. 1,828,884; Oct. 27.
Versare Corporation. (See Warhus, Oliver F., assignor.)
Versillé, Pierre. (See Defrance, Abel, and Versillé.)
Vessot, Robert C. U., Montreal, Quebec, Canada. Shaker mechanism. 1,788,001; Jan. 6.
Verteramo, Domenick, et al. (See Foti, Charles, assignor.)
Verts, Sydenham C., Beach Haven, N. J. Vehicle seat. 1,816,802; July 28.
Vertson, John A., Brea, assignor to Security Investment Company of Whittier, Whittier, Calif. Well reamer. 1,809,258; June 9.
Verwohlt, Clarence H. (See Belton, J. M., and Verwohlt.)
Veselka, Frank A., Mart, Tex. Cotton chopper. 1,806,376; May 19.
Vesey, Henry A., Fort Smith, Ark. Wire dispensing means 1,815,532; July 21.

Vestal, Albert H., et al. (See Malone, Adolph W., assignor.)
Vestal Chemical Company. (See Renzenhausen, R. L., and Pollnow, assignors.)
Vesuvio Feuerungsbau-Gesellschaft mit beschrankter Haftung. (See Weigel, Albert, assignor.)
Vesuvius Crucible Company. (See Jackman, Arthur J., assignor.)
Veth, Noel D., assignor to The Watt Car and Wheel Co., Barnesville, Ohio. Mine car. 1,828,263; Oct. 20.
Veth, Noel D., assignor to The Watt Car and Wheel Co., Barnesville, Ohio. Mine car. 1,832,754; Nov. 17.
Vethe, Anders, Oslo, Norway. Computing machine. 1,829,379: Oct. 27.
Vettel, Albert J. (See Weaver, G. E., and Vettel.)
Vetter, Amelia. (See Vetter, Peter G., assignor.)
Vetter, Brady S., Moorefield, W. Va. Device for sharpening rock drills. 1,828,580; Oct. 20.
Vetter, Homer J., Newton, Kans. Toy. Des. 85,019; Sept. 1.
Vetter, Ignatz G., Buffalo, N. Y. Lens grinding and polishing machine. 1,811,219; June 23.
Vetter, Leonhard, Bad Homburg, assignor to the firm Feinapparent G. m. b. H., Frankfort-on-the-Main, Germany. Type-inking device. 1,788,816; Jan. 13.
Vetter, Louis J., assignor to Bliss Brothers Co., Attleboro, Mass. Bracelet clasp. 1,835,578: Dec. 8.
Vetter, Peter G., assignor to A. Vetter, Berkeley, Calif. Oil burner. 1,823,012; Sept. 15.
Veyron, Eugène M., assignor to Papeteries Navarre, Lyon, France. Paper-manufacturing machine with raising felt. 1,798,821: Mar. 31.
Veyssiere, François, Paris, M. Jay, Lavallois-Perret, and J. R. Mondon, Bois Colombes, assignors to Société "La Roue Robur", Reims, Marne Department, France. Braking device for airplane wheels. 1,788,695; Jan. 13.
Viale, Spirito M., assignor to Armstrong Siddeley Motors Limited, Coventry, England. Gearing for superchargers used with internal-combustion engines. 1,791,393; Feb. 3.
Viallet, Joseph, Paris, France, assignor to N. T. Artificial Wool Company, Limited. London, England. Manufacture of textile fibers. 1,795,414: Mar. 10.
Viallet, Joseph, Paris, France, assignor to N. T. Artificial Wool Company, Limited, London, England. Treatment of jute fiber. 1,817,279; Aug. 4.
Viard, Georges, Paris, France. Device for the maintenance of telegraph, telephone, or signaling lines. 1,801,182; Apr. 14.
Viard, Georges, Paris, France. Diaphonometric means. 1,816,663; July 28.
Vibber, Wheeler H., New London, Conn. Electric-conduit bushing. 1,790,254; Jan. 27.
Vibrachek Company, The. (See Wiltse, Jerome A., assignor.)
Vibro Electric Tooth Brush Company. (See Byers, F. E., and Wheat, assignors.)
Vicars, T. and T., Limited. (See Crosland, Edward M., assignor.)
Vicars, William. (See Perks, Walter, assignor.)
Viche, Joseph G., Duluth, Minn. Toe board. 1,821,734; Sept. 1.
Vicherd, Georges A., assignor to Larco Del Valle & Cie., Paris, France. Machine for cutting grooves in shoe heels. 1,821,594; Sept. 1.
Vick Chemical Company. (See Keilly, John E., assignor.)
Vick, William S., and G. D. Turton, Liverpool, England, assignors to Associated Telephone and Telegraph Company, Kansas City, Mo. Telephone system. 1,837,801; Dec. 22.
Vickerman, Robert E., Philadelphia, Pa. Retaining bar for loom spools. 1,817,469; Aug. 4.
Vickers-Armstrong Limited. (See Larsson, C. A., and Higson, assignors.)
Vickers-Armstrongs Limited. (See Nasmith, J. I., and Kirby, assignors.)
Vickers-Armstrongs Limited. (See Parker, Lionel D., assignor.)
Vickers-Armstrong Limited. (See Pratt, Hartley B., assignor.)
Vickers-Armstrong Limited. (See Wardle, John, assignor.)
Vickers, Harry H., Corona, assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,819,931; Aug. 18.
Vickers, Harry H., Corona, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,820,258; Aug. 25.
Vickers, John H., Hudson, N. Y., assignor to D. S. Baker, Greenwich, Conn. Apparatus for handling material. 1,833,385; Nov. 24.
Vickers Limited. (See Babbidge, Wilham F., assignor.)
Vickers Limited. (See Gray, Percy W., assignor.)
Vickers Limited. (See Parker, Lionel D., assignor.)
Vickers, Richard N. (See Kniss, F. C., and Vickers.)
Vickers, Richard N., Smackover, Ark. Fishing tool. 1,795,809; Mar. 10.
Vickery, Harry W., Lynn, Mass., assignor to General Electric Company. Circuit controlling means. 1,835,916: Dec. 8.
Vickery, Harry W., Lynn, Mass., assignor to General Electric Company. Circuit controller. 1,835,917: Dec. 8.
Vickery, Ralph W. E., Marshfield, Mass. Time switch. 1,789,057; Jan. 13.
Vicki, Félix J., Le Parc St. Maur, France. Face powder feeder. 1,835,249; Dec. 8.
Victaulic Company Limited. (See Hele-Shaw, Henry S., assignor.)
Victor Adding Machine Company. (See Garbell, Max, assignor.)
Victor Adding Machine Co. (See Johantgen, Oliver D., assignor.)
Victor, Alexander F., New York, N. Y. Footage indicator for motion-picture cameras. 1,812,068; June 30.
Victor, Alexander F., New York, N. Y. Film spool and mounting. 1,817,217; Aug. 4.
Victor, Alexander F., New York, N. Y. Reel mounting for motion picture projectors. 1,824.519; Sept. 22.
Victor, Alexander F., New York, N. Y. Motion picture apparatus. 1,825,253; Sept. 29.
Victor, Alexander F., New York, N. Y. Intermittent feed for motion picture apparatus. 1,825,254; Sept. 29.
Victor, Alexander F., New York, N. Y. Speed control device for motion-picture cameras. 1.830,816; Nov. 10.
Victor, Benjamin, and R. E. Abramson, Bronx, N. Y. Safety device for gas ranges. 1,824,312; Sept. 22.
Victor Chemical Works. (See Easterwood, Henry, assignor.)
Victor Chemical Works. (See Noyes, H. F., and Weigel, assignor)
Victor Chemical Works. (See Weigel, R., and Easterwood, assignor.)
Victor Chemical Works. (See Woodstock, W. H., and McDonald, assignors.)
Victor, Harold, Roselle, N. J. Tire guard for automobiles. 1,805,933; May 19.
Victor, John H., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Sheet-packing rack. 1,793,766; Feb. 24.
Victor, John H., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Gasket. 1,804,574; May 12.
Victor, John H., Evanston, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,823,341; Sept. 15.
Victor, John H., Evanston, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,823,342; Sept. 15.
Victor, John H., Evanston, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket. 1,829,248: Oct. 27.
Victor, Joseph B., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Gasket. 1,815,601: July 21.
Victor Manufacturing & Gasket Co. (See Braner, Stephen W., assignor.)
Victor Manufacturing & Gasket Co. (See Harsted, Harry H., assignor.)
Victor Manufacturing & Gasket Company. (See Oven, Frank J., assignor.)
Victor Manufacturing & Gasket Company. (See Russell, Cass B., assignor.)
Victor Manufacturing & Gasket Co. (See Sutcliffe, Edwin A., assignor.)
Victor Manufacturing & Gasket Co. (See Victor, Joseph B., assignor.)
Victor Manufacturing & Gasket Co. (See Victor, John H., assignor.)
Victor, Paul F., River Forest, Ill. Controller for automobile heaters and the like. 1,793,266; Feb. 17.
Victor, Paul F., River Forest, Ill. Automobile heater. 1,805,300; May 12.
Victor Pharmacal Company. (See Kline, Elmer V., assignor.)
Victorsohn, Morris, Brooklyn, N. Y. Hanger support. 1,789,164; Jan. 13.
Victor Talking Machine Company. (See Buckle, Horace L. T., assignor.)
Victor Talking Machine Company. (See Clark, George F., assignor.)
Victor Talking Machine Company. (See Clarke, Carole A., assignor.)
Victor Talking Machine Company. (See Condliffe, George E., assignor.)
Victor Talking Machine Company. (See Cooper, Arthur H., assignor.)
Victor Talking Machine Company. (See Elliott, Harold F., assignor.)
Victor Talking Machine Company. (See Haigis, Carleton D., assignor.)
Victor Talking Machine Company. (See Haigis, C. D., and Squibb, assignors.)
Victor Talking Machine Company. (See Hewitt, Albertis, assignor.)
Victor Talking Machine Company. (See Hollerith, Herman, jr., assignor.)
Victor Talking Machine Company. (See Hollerith, H., jr., and Fenton, assignors.)
Victor Talking Machine Company. (See La Rue, William D., assignor.)
Victor Talking Machine Company. (See Luker, Armer P., assignor.)
Victor Talking Machine Company. (See Mallina, Rudolph F., assignor.)
Victor Talking Machine Company. (See Mittell, Brenchley E. G., assignor.)
Victor Talking Machine Company. (See Radford, A. S., and Bowman-Manifold, assignors.)

Victor Talking Machine Company. (See Stapler, Floricel A., assignor.)
Victor Talking Machine Company. (See Thompson, Lincoln, assignor.)
Victor Talking Machine Company. (See Wismer, Samuel H., assignor.)
Victory Lamp Company. (See Stange, Bruno.)
Victrolite Company, The. (See Fisher, Elbert E., assignor.)
Vidal, Emil., San Francisco, Calif. Folding table. 1,813,330; July 7.
Videtto, S. Sague, Minatare, Nebr. Rotary engine. 1,827,408; Oct. 13.
Vidler, Louis R. (See Underhill, E. F., and Vidler.)
Vidor, Armin, Budapest, Hungary. Machine for manufacturing book backs. 1,795,187; Mar. 3.
Vidrio Products Corporation. (See Goldblatt, Henry J., assignor.)
Vieau, Harold F., Liverpool, assignor of one-third to R. C. Higby, Big Moose, and one-third to E. J. O'Neill, Syracuse, N. Y. Centrifugal clothes drier. 1,805,428; May 12.
Vieau, Harold F., Liverpool, assignor to L. G. Lacey, Syracuse, N. Y. Machine for making catamenial pads. 1,832,825; Nov. 17.
Vieau, Harold F., Liverpool, and E. J. O'Neill, Syracuse, assignors of one-third to R. C. Higby, Big Moose, N. Y. Rinsing and drying apparatus. 1,819,982; Aug. 18.
Vieck, Heinrich, Hamburg, Germany. Design applicator. 1,830,145; Nov. 3.
Vieg, Charles J., Appleton, Minn. Weeding shoe. 1,819,662; Aug. 18.
Viehweger, August F. W., assignor, by mesne assignments, to Durable Lock Company, Inc., Poughkeepsie, N. Y. Spring lock. 1,836,209; Dec. 15.
Viele, Augustus K. (See Wheeler, Walter H., jr., and Viele.)
Viele, Sylvester M., Altoona, Pa. Switch. 1,815,637; July 21.
Viele, Sylvester M., Altoona, Pa., assignor to General Electric Company. Method of and apparatus for breaking electric circuits. 1,796,069; Mar. 10.
Viele, Walter S., New York, N. Y., assignor to American Maize-Products Company. Jug. Des. 84,964; Aug. 25.
Vielwerth, Peter. (See von Horvath, E., and Vielwerth.)
Vienna, Frank, Los Angeles, Calif. Insert-container for garbage receptacles. 1,836,297; Dec. 15.
Vienneau, Jacob J., Pittsfield, Mass., assignor to General Electric Company. Coil winding apparatus. 1,817,884; Aug. 4.
Vienneau, Jacob J., Pittsfield, Mass., assignor to General Electric Company. Coil-winding apparatus. 1,834,811; Dec. 1.
Vierengel, Matthew, Brooklyn, N. Y. Envelope machine. 1,817,539; Aug. 4.
Vierling, Frank J., Minneapolis, assignor to E. L. Ogilvie, St. Paul, Minn. Cigarette cabinet. 1,800,035; Apr. 7.
Vierling, Frank J., and J. Jessen, assignors to E. S. Harrison, Minneapolis Minn. Machine for baking cakes. 1,809,004; June 9.
Vierling, Karl, Ludwigshafen-on-the-Rhine, assignor to I G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of butyl alcohol. 1,802,163; Apr. 21.
Vierling, Karl, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Fermentation of tobacco. 1,812,459; June 30.
Vierow, Thomas S., Jersey City, N. J. Extruding machine. 1,826,230; Oct. 6.
Vietor, Frederick A., Great Neck, assignor to Steinway & Sons, New York, N. Y. Piano key mounting. 1,826,848; Oct. 13.
Vigas, Arnaldo, dos S. (See Neves, G. S., and Vigas.)
Vigne, Albert, assignor to National Bearing Metals Corporation, St. Louis, Mo. Trolley wheel. 1,793,294; Feb. 17.
Vigneau, André, Paris, France, assignor to Societe Des Anciens Etablissements Siegel & Stockman Reunis, Seine, France. Lay figure for display of garments. Des. 83,586; Mar. 3.
Vigneron, Jean B. J. A., La Rochelle, France, assignor to V. D. Ltd., London, England. Trawling gear. 1,803,928; May 5.
Vigneron, Jean B. J. A., La Rochelle, France, assignor to V. D. Limited, London, England. Trawling gear. 1,830,215; Nov. 3.
Vigneron, Jean-Baptiste J. A., La Rochelle, France, assignor to V. D. Limited, London, England. Fishing net provided with wing stretchers. 1,800,270; Apr. 14.
Vigneron, Jean Baptiste J. A., La Rochelle, France, assignor to V. D. Limited, London, England. Trawling gear. 1,812,613; June 30.
Vignos, James C., Nitro, W. Va., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Treating metals and compositions therefor. 1,817,500; Aug. 4.
Vignos, Paul, Canton, assignor, by mesne assignments, to Republic Steel Corporation, Youngstown, Ohio. Locking mechanism. 1,806,031; May 19.
Vigus, Nicholas H., Tacoma, Wash. Luggage carrier for vehicles. 1,797,596; Mar. 24.
Vik, Olav, Minneapolis, Minn. Lifting truck. 1,827,692; Oct. 13.
Viken, Antonius J. (See Beidler, D. C., and Viken.)
Viken, Antonius J. (See Frutkow, N. and Viken.)
Viken, Antonius J., Jackson Heights, assignor to Underwood & Underwood, Inc., New York, N. Y. Tripod. 1,795,747; Mar. 10.
Viken, Antonius J., Jackson Heights, assignor to Underwood & Underwood, Inc., New York, N. Y. Tripod head particularly adapted for use in connection with a portrait camera. 1,812,614; June 30.
Viking Pump Company. (See Jensen, Amos V. assignor.)
Vilas Oil Burners Limited. (See Fogarty, Orville A., assignor.)
Vilfordi, George L., assignor of 25% to Metodi Petroff, and 15% to John Butera, Dallas, Tex. Traveling heated and cooled food carrier. 1,809,951; June 16.
Villa, Gabriel, Bogota, Columbia. Crushing mill. 1,835,192; Dec. 8.
Villain, Ena, Dulwich, London, England. Manufacture of transparent soap tablet containing advertisements. 1,827,549; Oct. 13.
Villanyi, Charles M., Bayside, assignor to L. Mundet & Son, Inc., New York, N. Y. Closure. 1,817,218; Aug. 4.
Villaret, Gustave E., Leonia, N. J., assignor to Lighting Appliance Company, Inc., New York, N. Y. Lighting fixture strap or article of similar nature. Des. 84,266; May 26.
Villaret, Gustave E., Leonia, N. J., assignor to Lighting Appliance Company, Inc., New York, N. Y. Lighting fixture member or article of similar nature. Des. 84,267; May 26.
Villaret, Gustave E., Leonia, N. J., assignor to Lighting Appliance Company, Inc., New York, N. Y. Lighting fixture member or article of similar nature. Des. 84,268; May 26.
Villaret, Gustave E., Leonia, N. J., assignor to Lighting Appliance Company, Inc., New York, N. Y. Lighting fixture shade or article of similar nature. Des. 84,386; June 9.
Villarreal, Humberto R., New York, N. Y. Aeroplane. 1,800,164; Apr. 7.
Villatore, Joseph E., Jersey City, N. J., and R. Anello, Brooklyn, assignors to G. Sciacca, New York, N. Y. Hunter's duck decoy. 1,813,370; July 7.
Villavaso, William J., New Orleans, La. Filtering apparatus. 1,791,333; Feb. 3.
Villeré, Joseph S., assignor to The E. E. Fairchild Corporation, Rochester, N. Y. Display receptacle. 1,828,264; Oct. 20.
Villiger, Josef. (See Zoller, E., and Villiger.)
Villon, Raoul, and R. Lemaignen, Paris, France. Dating stamp. 1,808,089; June 2.
Vilt, Lucien, Lille, France. Textile apparatus. 1,826,584; Oct. 6.
Vilter Manufacturing Company, The. (See Bach, Charles G., assignor.)
Vilter Manufacturing Company, The. (See Wheaton, Robert S., assignor.)
Vimco Mfg. Co., Inc. (See Hauenstein, Paul A., assignor.)
Vimtrup, Rigbold J., Downers Grove, Ill. Lawn mower attachment. 1,823,219; Sept. 15.
Vinardell, Richard de F., Barcelona, Spain. Apparatus for distributing colors and filling materials serving for the manufacture of flagstones made of cement or other material. 1,800,419; Apr. 14.
Vincent, Harry S., Ridgewood, N. J. Axle box. 1,794,744; Mar. 3.
Vincent, Harry S., Ridgewood, N. J., assignor to Franklin Railway Supply Company. Locomotive construction. 1,795,456; Mar. 10.
Vincent, James A., Providence, R. I. Tire chuck. 1,815,533; July 21.
Vincent, James E., Johnstown, Pa. Blowpipe. 1,809,652; June 9.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,789,397; Jan. 20.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,794,095; Feb. 24.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,802,544; Apr. 28.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,823,714; Sept. 15.
Vincent Steel Process Company. (See De Mattia, Constant, assignor.)
Vincent, William J., assignor to The Rochester Telephone Corporation, Rochester, N. Y. Telephone system. 1,821,193; Sept. 1.
Vincenzi, John J., Boston, Mass. Molding apparatus. 1,807,053; May 26.
Vinck, Armand. (See Castelyns, G., Stans, and Vinck.)
Vincke, Enrique, assignor to Manufacturas de Corcho. S. A., Barcelona, Spain. Cork products and making the same. 1,802,852; Apr. 28.
Vincke, Enrique, Barcelona, Spain, assignor, by mesne assignments, to Armstrong Cork Company, Lancaster, Pa. Manufacturing artificial cork. 1,820,411; Aug. 25.
Vindal, Thomas F., New York, N. Y. Electric-fixture attachment. 1,790,610; Jan. 27.
Vine, Howard L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Gauging machine. 1,823,999; Sept. 22.
Vineberg, Joseph H., Ottawa, Ontario, Canada. Suitcase and the like. 1,838,240; Dec. 29.

Vineberg, Joseph H., Ottawa, Ontario, Canada. Combined garment hanger and packaging device. 1,838,597; Dec. 29.
Vineyard Mantle, Millegan, Mont. Sweep rake clearer. 1,809,767; June 9.
Vining, Archibald H., San Jose, Calif. Adhesive. 1,808,090; June 2.
Vining, Archie C., Brooklyn, N. Y. Antiice airplane and improved wing construction therefor. 1,821,776; Sept. 1.
Vinson, Elliott R., Cottage Grove, Oreg. Sound recording apparatus. 1,829,121; Oct. 27.
Vinson, Wayland J., Portsmouth, Va. Ham hanger. 1,828,988; Oct. 27.
Vinther, Michael K., Newark, N. J. Producing hydrogen and apparatus therefor. 1,817,726; Aug. 4.
Violet, Marcel A., Courbevoie, France. Explosion engine. 1,833,802; Nov. 24.
Viramontes, Jesus, Santa Paula, Calif. Ignition apparatus. 1,798,712; Mar. 31.
Virck, Paul. (See Hentrich, W., Knoche, and Virck.)
Virden, John C., Company, The. (See Pfeifer, Paul J., assignor.)
Virden, John C., Company. (See Wing, Clarence G., assignor.)
Virgin, Erik W. J. (See Fischer, E. W., and Virgin.)
Virginia Fruit Fumigating Company. (See Eustis, Frederic A., assignor.)
Virginia Smelting Company. (See Binns, F. W., and Lurie, assignors.)
Virginia Smelting Company. (See Johnston, Charles W., assignor.)
Vis, George A., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Making cap nuts. 1,805,384; May 12.
Vis, George A., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Method and machine for forming rings. 1,838,892; Dec. 29.
Viscardi, Henry, et al. (See Wright, Leonard K., assignor.)
Vischer, Alfred, jr., Floral Park, N. Y. Electrical apparatus. 1,824,972; Sept. 29.
Vischer, Alfred, jr., Ridgewood, N. J., assignor to Dow, Jones & Company, New York, N. Y. Feeding mechanism for printing telegraphs. 1,832,160; Nov. 17.
Viscose Company, The. (See Crewdson, Henry, assignor.)
Viscose Company, The. (See Gibb, W. B., and Martin, assignors.)
Viscose Company, The. (See Rust, Philip G., assignor.)
Viscount, Joseph L., assignor to Snyder & Black, Incorporated, New York, N. Y. Display carton. 1,815,224; July 21.
Visel, August C., Bronson, Mich. Counter bin. 1,821,083; Sept. 1.
Visible Oil Merchandising Co. (See Corcoran, Daniel A., assignor.)
Visionola Mfg. Corporation. (See De Madaler, Arthur, assignor.)
Visionola Mfg. Corporation. (See von Madaler, Ferdinand, assignor.)
Visitacion, Aniceto R. (See Gluck, Abraham M., assignor.)
Visser, Maurits F., Wageningen, Netherlands. Mole plow. 1,790,032; Jan. 27.
Vitaglo Corporation, The. (See Chereton, A. B., and Cummings, assignors.)
Vitali, Steven, Plains, Pa. Gripping tool for jars. 1,814,014; July 14.
Vitoux, Marcel, Troyes, France. Knitting needle. 1,790,611; Jan. 27.
Vitoux, Marcel, Troyes, France. Needle for repairing knitted articles. 1,811,524; June 23.
Vitrefrax Corporation. (See Curtis, Thomas S., assignor.)
Vittinghoff, Hans, Winchester, Mass., assignor, by mesne assignments, to Stone & Webster, Incorporated. Maximum demand gas meter. 1,805,118; May 12.
Vivas, Fernando S., Bronxville, N. Y. Manufacture of wallboard, pressboard, and the like. 1,800,121; Apr. 7.
Vivas, Fernando S., Los Angeles, Calif., assignor to International Fireproof Products Corporation, New York, N. Y. Non-explosive fire-resisting lacquer and producing the same. 1,800,120; Apr. 7.
Vivas, Fernando S., assignor to International Fireproof Products Corporation, New York, N. Y. Surface sealing compound or stain and producing the same. 1,822,253; Sept. 8.
Vivas, Fernando S., assignor to International Fireproof Products Corporation, New York, N. Y. Nonexplosive noninflammable soluble cotton and producing the same. 1,822,254; Sept. 8.
Vivas, Fernando S., Bronxville, assignor to International Fireproof Products Corporation, New York, N. Y. Fireproofing cellulosic material and composition for use therein. 1,839,135; Dec. 29.
Vivas, Fernando S., Bronxville, assignor to International Fireproof Products Corporation, New York, N. Y. Composition and process for fireproofing cellulose material. 1,839,136; Dec. 29.
Vives, Emile G. E., deceased, by S. J. Cazautet (widow Vives), administratrix, St. Pe, France. Head lamp for motor vehicles. 1,804,965; May 12.
Vivian, George S., London, assignor of one-half to T. B. Ford Limited, High Wycombe, Buckinghamshire, England. Device for securing fountain pens and the like in pockets of clothing and the like. 1,839,066; Dec. 29.
Viviano, Phillip, St. Louis, Mo. Weighing scale. 1,788,696; Jan. 13.
Vividad Holdings Limited. (See Gillard, Francis W., assignor.)
Vivier, Max, New York, N. Y. Shade. 1,803,372; May 5.
Vizard, William C. (See Arnold, P. C., and Vizard.)
Vizzard, Alice, Brooklyn, N. Y. Bathing suit, athletic suit, or the like. 1,793,145; Feb. 17.
Vlcek, John J., Wilson, Kans. Nonchattering valve grinder stem. 1,828,087; Oct. 20.
Vlchek, Frank J., assignor to The Vlchek Tool Company, Cleveland, Ohio. Wrench set unit. 1,808,190; June 2.
Vlchek, Frank J., assignor to The Vlchek Tool Company, Cleveland, Ohio. Drop hammer. 1,809,805; June 9.
Vlchek Tool Company, The. (See Martin, Albert L., assignor.)
Vlchek Tool Company, The. (See Vlchek, Frank J., assignor.)
Vlchek, Frank J., assignor to The Vlchek Tool Company, Cleveland, Ohio. Manufacture of swadged and tempered articles. 1,838,470; Dec. 29.
Vles, Samuel I., Arnhem, Netherlands. Preparing artificial textile products with reduced luster from cellulose compounds. 1,838,121; Dec. 29.
Vles, Samuel I., and L. de Hoop, assignors to Algemeene Kunstzijde unie N. V., Arnhem, Netherlands. Producing acetyl cellulose. 1,794,126; Feb. 24.
Vocational Adjustment Bureau. (See Frank, Harry S., assignor.)
Vocke, Alfred. (See Samson, S., and Vocke.)
Vodoz, Frederick W., Wilmette, Ill. Automatic stoker. 1,826,106; Oct. 6.
Voecks, Walter G., Appleton, Wis. Hand pad. 1,788,965; Jan. 13.
Voegel, August, Magdeburg, assignor to the Firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Apparatus for grinding the rolls of ore crushing or like mills. 1,806,226; May 19.
Voehl, George. (See Longstreet, Lawrence C., assignor.)
Voelcker, Carl S., Brooklyn, N. Y. Steamship ticket. 1,790,033; Jan. 27.
Voelker, Fred, jr. (See Martin, M. G., and Voelker.)
Voerkel, Franz. (See Hubmann, O., and Voerkel.)
Vogel, Ernst, Stockerau, near Vienna, Austria. Multistage high-pressure centrifugal pump. 1,797,810; Mar. 24.
Vogel, Frank H., assignor to The Columbus Vending Company, Columbus, Ohio. Globe for vending and dispensing devices. Des. 83,708; Mar. 17.
Vogel, Frederick C. C., assignor to the firm Vogel & Halke, Hamburg, Germany. Scale casing. Des. 83,138; Jan. 20.
Vogel, Frederick W., P. Brown, and R. B. Hill, assignors to Brown Company, Berlin, N. H. Conditioning of latex and conditioned product. 1,834,481; Dec. 1.
Vogel & Halke. (See Vogel, Frederik C. C., assignor.)
Vogel-Jorgensen, Mikael, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smith & Co., New York, N. Y. Dry process for the manufacture of cement. 1,798,423; Mar. 31.
Vogel, Max, Frankfort-on-the-Main, Germany, assignor to Neva-Clog Products, Inc., Bridgeport, Conn. Stapling device. 1,836,944; Dec. 15.
Vogel, Nicholas J., and F. R. Quick, Fort Dodge, Iowa, assignor to United States Gypsum Company, Chicago, Ill. Board cutting machine. 1,829,075; Oct. 27.
Vogel, Werner G., assignor to Henry Vogt Machine Company, Louisville, Ky. Tank vehicle construction. 1,791,588; Feb. 10.
Vogel, Willard L., Los Angeles, Calif., assignor of one-tenth to P. W. Prutzman. Alkali metal salts of mercuri-brom-fluorescein. 1,789,204; Jan. 13.
Vogel, Willard L., Los Angeles, Calif., assignor of one-tenth to Paul W. Prutzman. Quinolin-benzoic-carboxylic acid. 1,810,261; June 16.
Vogel, Willard L., Los Angeles, Calif., assignor of one-tenth to P. W. Prutzman. Monobrom derivative of fluorescein. 1,812,669; June 30.
Vogel, William, New York, N. Y. Foldable and adjustable reflector. 1,813,102; July 7.
Vogel, William, & Bros. Inc. (See De Lacy, Benjamin, assignor.)
Vogelgesang, Orrin J. (See Gibbs, H. E., and Vogelgesang.)
Vogelsang, Ludy, East Orange, N. J., assignor to L. B. Koch, New York, N. Y. Bottle cap forming dies. 1,823,961; Sept. 22.
Vogler, Frank D., Milwaukie, Oreg. Aerating the underskin of vessels automatically. 1,824,313; Sept. 22.
Vogler, Max P., assignor to Walter Fred Hosiery Mills, Inc., Nashville, Tenn. Hosiery. Des. 85,677; Dec. 1.
Vogtsamer, Peter, Munich, Germany. Liquid-measuring device. 1,794,995; Mar. 3.
Vogt, Charles H., Philadelphia, Pa. Sausage wrapping method and apparatus. 1,811,163; June 23.
Vogt, Clarence C. (See Smith, D. F., Pieper, and Vogt.)
Vogt, Clarence W., assignor to Vogt Instant Freezers, Incorporated, Louisville, Ky. Process and apparatus for continuous manufacture of ice cream. 1,791,772; Feb. 10.

Vogt, Clarence W., assignor to Vogt Instant Freezers, Inc., Louisville, Ky. Machine for processing materials. 1,791,773; Feb. 10.
Vogt, Clarence W., Louisville, Ky., assignor to Vogt Instant Freezers, Inc. Process and apparatus for freezing ice cream and the like. 1,791,774; Feb. 10.
Vogt, Clarence W., assignor to Vogt Instant Freezers Incorporated, Louisville, Ky. Apparatus for continuous production of bricks of ice cream or analogous material. 1,810,740; June 16.
Vogt, Clarence W., assignor to Vogt Instant Freezers, Inc., Louisville, Ky. Density control and delivery of ice cream or the like. 1,810,862; June 16.
Vogt, Clarence W., assignor to Vogt Instant Freezers Incorporated, Louisville, Ky. Apparatus for continuously hardening plastic materials. 1,810,863; June 16.
Vogt, Clarence W., assignor to Vogt Instant Freezers Incorporated, Louisville, Ky. Production of food product bricks. 1,810,864; June 16.
Vogt, Clarence W., assignor to Vogt Instant Freezers Incorporated, Louisville, Ky. Refrigerating apparatus for package goods. 1,827,629; Oct. 13.
Vogt, Clarence W., assignor to Vogt Instant Freezers, Inc., Louisville, Ky. Process and apparatus for cooling or freezing ice cream and the like. 1,828,853; Oct. 27.
Vogt, Curt, Berlin, Germany. Counting machine. 1,808,270; June 2.
Vogt, Curt, Berlin, Germany. Coin counting device. 1,812,815; June 30.
Vogt, Fredrik, Trondhjem, Norway, assignor of one-half to E. C. La Rue, and B. F. Jakobsen, Los Angeles, Calif., doing business as La Rue & Jakobsen. Equalizing stresses in structural elements. 1,810,232; June 16.
Vogt, Hans, Berlin, Germany. Sounding condenser. 1,816,992; Aug. 4.
Vogt, Hans, Berlin-Wilmersdorf, J. Massolle and J. Engel, Berlin-Grunewald, Germany, assignors, by mesne assignments, to American-Tri-Ergon Corporation, New York, N. Y. Producing combined sound and picture films. 1,825,598; Sept. 29.
Vogt, Harry, and J. Heck, Brooklyn, N. Y. Device for winding, combing, stretching and tying hair in the making of permanent waves. 1,820,513; Aug. 25.
Vogt, Henry, Machine Company. (See Vogel, Werner G., assignor.)
Vogt Instant Freezers, Inc. (See Vogt, Clarence W., assignor.)
Vogt, John H., Reading and H. McAdams, Philadelphia, assignors to The Nolde and Horst Company, Reading, Pa. Stocking and making. 1,829,816; Nov. 3.
Vogt Manufacturing Corporation. (See Brown, Albert C., assignor.)
Vogt, William H., Birmingham, Ala. Combination cigarette case. 1,830,451; Nov. 3.
Vogtlandische Maschinenfabrik (vorm. J. C. und H. Dietrich) A.-G. (See Danzer, Georg, assignor.)
Voight, Albert P. J., Galveston, Tex. Muffler. 1,838,645; Dec. 29.
Voight, Gust H., Holgate, Ohio. Brush. 1,825,929; Oct. 6.
Voight, Richard. (See Kaltenbach, A., and Voigt.)
Voigt & Haeffner A. G. (See Horst, Adam, assignor.)
Voigt, Robert W., assignor to the Firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Apparatus for combining horizontal layers of articles. 1,805,119; May 12.
Voight, Robert W., assignor to the Firm "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Apparatus for shaping and filling cigarette boxes. 1,832,065; Nov. 17.
Voigtländer, Hermann, and O. Kaufels, Essen, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Producing articles of refractory metal alloys. 1,800,122; Apr. 7.
Voigtländer, Hermann, and O. Kaufels, assignors to Gewerkschaft Wallram Abteilung, Metallwerke, Essen, Germany. Manufacture of difficultly melting heavy metals. 1,829,950; Nov. 3.
Voisine, John J., Kalamazoo, Mich. Oil can. Des. 85,355; Oct. 13.
Voit, William J., Los Angeles, Calif. Marginal reenforcement for pockets of rubber balls. 1,829,380; Oct. 27.
Voith, J. M. (See Heller, Walther, assignor.)
Voith, J. M. (See Rösle, Heinrich A., assignor).
Voith, J. M. (See Schneider, E., Ehrhart, and Kreitner, assignors.)
Voituron, Edmond, Brussels, Belgium. Dismounting device for lead columns, pipes, or the like. 1,819,983; Aug. 18.
Voituron, Edmond, Brussels, assignor to Societe Anonyme D'Ougree Marihaye, Ougre, Belgium. Device for the fractional distillation and condensation of complex mixtures. 1,832,800; Nov. 17.
Vojáček, Jan, Prague, Czechoslovakia. Garage. 1,834,297; Dec. 1.
Volckhausen, Julius, Weehawken, N. J., assignor to A. Schrader's Son Inc., Brooklyn, N. Y. Valve inside. 1,819,852; Aug. 18.
Vold, Lars H. (See Hammerstrom, K. R., and Vold.)
Vold, Lars H., and K. R. Hammerstrom, Butler, Pa. Triple-punch mechanism. 1,797,739; Mar. 24.
Vold, Lars H., Butler, Pa. Defrosting mechanism. 1,833,544; Nov. 24.
Volet, René A. L., La Varenne St. Hiliare, France. Rotor. 1,803,493; May 5.
Volet, René A. L., La Varenne St. Hilaire, France. Ball and roller bearing. 1,811,679; June 23.
Volf, Christian A., jr., Weehawken, N. J., assignor to M. T. Quigg, New York County, N. Y. Sound resonating and amplifying device. 1,811,985; June 30.
Volf, Christian A., jr., Brooklyn, assignor to M. T. Quigg, New York County, N. Y. Speed boat. 1,837,508; Dec. 22.
Voli, Mario, Philadelphia, Pa. Label pasting machine. 1,822,467; Sept. 8.
Volk, Andrew C., deceased, Duluth, Minn.; M. A. Volk, executrix, assignor to E. M. Turner, Arcadia, Calif. Golf practising device. 1,808,390; June 2.
Volk, Joseph A., jr., South Norwalk, Conn. Electrical fixture. 1,821,533; Sept. 1.
Volk, Metta A., executrix. (See Volk, Andrew C.)
Volk, Ralph, Portland, Oreg., assignor to Koehring Company, Milwaukee, Wis. Excavator. Des. 18,156; Aug. 18.
Volk, Walter C., Rome, assignor to Skenandoa Rayon Corporation, Utica, N. Y. Mechanism for use in treating yarn. 1,805,456; May 12.
Volk, Wolfe, assignor to San Diego Consolidated Gas and Electric Company, San Diego, Calif. Fluid cleaner. 1,825,031; Sept. 29.
Volkhardt, William, Staten Island, N. Y. Hydrant cock. 1,827,861; Oct. 20.
Volkmann, Joseph, Glenside, Pa. Protective device for alternating polyphase systems of distribution. 1,805,934; May 19.
Volkmar, William A., New York, N. Y., assignor to American Telephone and Telegraph Company. Bookholder. 1,796,496; Mar. 17.
Volland, Karl, Cassel, Germany, assignor to The Superheater Company, New York, N. Y. Superheater header. 1,829,882; Nov. 3.
Vollbrecht, Gustav, Brooklyn, N. Y. Window. 1,835,828; Dec. 8.
Vollmann, Carl W., Montreal, Quebec, Canada. Refrigerating apparatus. 1,838,165; Dec. 29.
Vollmann, Heinrich. (See Kränzlein, G., and Vollmann.)
Vollmann, Heinrich, et al. (See Kränzlein, G., Vollman, and Corell.)
Vollmann, Heinrich. (See Kranzlein, G. Vollmann, Greune, and Wolfram.)
Vollmann, Walter. (See Wurdel, G., and Spiegel, assignors.)
Vollmer, Walter, et al. (See Johnson, Ernest W., assignor.)
Volmer, Max, Neubabelsberg, Germany. Method of and apparatus for recording electrical signals. 1,796,584; Mar. 17.
Volodimirov, Nicholas N., Richmond Hill, N. Y. Flexible packing. 1,807,139; May 26.
Volsk, E. B. (See Blattmann, Erna.)
Voltz, E. G. (See Schick, Adolph M., assignor.)
Voltz, George, assignor to Bastian Brothers Company, Rochester, N. Y. Bill fold. 1,830,452; Nov. 3.
Voltz, Herman A., Del Rosa, assignor of one-half to J. H. Connors, Los Angeles, Calif. Automatic still picture camera. 1,838,798; Dec. 29.
Voltz, Theodor. (See Muench, E., and Voltz.)
Vol-U-Meter Co., The. (See Stevens, Arthur, assignor.)
Volz, Chris L., Detroit, Mich. Electric hair clipper. 1,810,152; June 16.
Völzing, Rudolf, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company. Selective protective system for more than two parallel feeders. 1,793,530; Feb. 24.
Von Arco, Georg, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Phase indicator for feeble high frequency currents. 1,802,742; Apr. 28.
Von Arco, Georg, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Loud speaker. 1,820,956; Sept. 1.
Von Arco, Georg, assignor to Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Communication by electromagnetic waves. 1,827,054. Oct. 13.
Von Arco, Georg, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Berlin, Germany. Interference elimination. 1,829,204; Oct. 27.
Von Arco, Georg, and A. Meissner, assignors to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna. 1,795,689; Mar. 10.
Von Arco, Georg, and F. Schröter, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Telegraphy method using the five unit alphabet or similar telegraphic system. 1,798,641; Mar. 31.
Von Auw, Alwin, assignor to Boorum & Pease Company, Brooklyn, N. Y. Visible index card. 1,802,293; Apr. 21.
Von Berg, Julius, assignor to Grunberger, Vienna, Austria. Machine for molding and shaping rolls and the like. 1,798,007; Mar. 24.
Von Beulwitz, Gustav, Bremen, assignor to the Firm Atlas-Werke Aktiengesellschaft, Breman, Germany. Gear protection. 1,829,249; Oct. 27.
Von Bichowsky, Foord, Glendale, assignor to Titania Corporation, Los Angeles, Calif. Producing titanium compounds. 1,828,710; Oct. 20.
Von Bichowsky, Foord, Glendale, assignor to Titania Corporation, Los Angeles, Calif. Producing titanium compounds and compounds of nitrogen. 1,835,829; Dec. 8.

Von Bogdandy, Stephen. (See Polanyi, M., and von Bogdandy.)
Von Bosse, Julius, Bohlitz-Ehrenberg, near Leipzig, Germany. Removing gases from metals. 1,795,384; Mar. 10.
Von Brethorst, Karl, Loda, Ill. Scraper for tractor wheels. 1,828,824; Oct. 27.
Von Brockdorff, Rudolf, Munich, Germany, assignor to Schutte And Koerting Company, Philadelphia, Pa. Preventing dew formation upon the lenses of optical instruments. 1,791,254; Feb. 3.
Von Broembsen, Maxwell L. F., Pretoria, Transvaal, South Africa. Variable speed gear mechanism. 1,810,450; June 16.
Von Bronk, Otto. (See Meissner, A., and von Bronk.)
Von Bronk, Otto, and H. Rukop, assignors to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Intensity control. 1,820,335; Aug. 25.
Von Csillery, Dezsö, Budapest, Hungary. Rail joint. 1,801,785; Apr. 21.
Von Dallwitz-Wegner, Richard, Heidelberg, Germany. Determining the viscosity of liquid substances. 1,810,992; June 23.
Von der Bruck, Gerhard. (See Schoenburg, C., and von der Bruck.)
Von der Horst, Frederick, assignor to The Tribune Company, Chicago, Ill. Roll handling apparatus. 1,826,107; Oct. 6.
Von der Lippe-Lipski, Elaine, Washington, D. C. Advertising device. 1,806,722; May 26.
Von Diersburg, Karl F. R., Graefelfing, near Munich, Germany. Fur substitute for skiing, etc. 1,790,394; Jan. 27.
Von Dorn, Theodore F. (See Norwood, Harry G., assignor.)
Von Dorn, Theodore F., New York, N. Y. Two-piece railway rail anchor. 1,827,630; Oct. 13.
Von Dorn, Theodore F., New York, N. Y. Tie plate anchor. 1,830,304; Nov. 3.
Von Dreger, Karl, Sashalon, Hungary. Electric motor. 1,801,183; Apr. 14.
Von Erhardt, South Hadley, Mass. Control apparatus for power-transmitting mechanism. 1,805,120; May 12.
Von Forster, Hermann, Niederursel, near Frankfort-on-the-Main, and E. Lay, Eschersheim, near Frankfort-on-the-Main, assignors to Metallgesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany. Composite metal. 1,804,899; May 12.
Von Forster, Hermann, Niederursel, near Frankfort-on-the-Main, and L. Moser, Frankfort-on-the-Main, Germany. Metallic structural unit. 1,823,416; Sept. 15.
Von Forster, Hermann, and E. Lay, Heddernheim, near Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Annealing apparatus. 1,838,015; Dec. 22.
Von Frankenberg, Arthur, New York, N. Y. Ash tray or similar article. Des. 83,080; Jan. 13.
Von Frankenberg, Arthur, New York, N. Y. Ash tray or similar article. Des. 83,182; Jan. 27.
Von Frankenberg, Arthur, New York, N. Y. Lamp or similar article. Des. 83,183; Jan. 27.
Von Frankenberg, Arthur, New York, N. Y. Ash tray or similar article. Des. 83,224; Feb. 3.
Von Frankenberg, Arthur, New York, N. Y. Ash tray or similar article. Des. 83,225; Feb. 3.
Von Frankenberg, Arthur, New York, N. Y. Ash tray or similar article. Des. 83,226; Feb. 3.
Von Frankenberg, Arthur, New York, N. Y. Ash tray or similar article. Des. 83,227; Feb. 3.
Von Frankenberg, Arthur, New York, N. Y. Lamp or similar article. Des. 83,839; Mar. 31.
Von Frankenberg, Arthur, New York, N. Y. Stand for smoker's and similar articles. Des. 84,606; July 7.
Von Frankenberg, Arthur, New York, N. Y. Stand for smoker's and similar articles. Des. 84,607; July 7.
Von Frankenberg, Arthur, New York, N. Y. Stand for smoker's and similar articles. Des. 84,608; July 7.
Von Frankenberg, Arthur, New York, N. Y. Stand for smoker's and similar articles. Des. 84,609; July 7.
Von Frankenberg, Arthur, New York, N. Y. Stand for smoker's and similar articles. Des. 84,610; July 7.
Von Frankenberg, Arthur, New York, N. Y. Support for smokers' and similar articles. Des. 85,309; Oct. 6.
Von Frankenberg, Arthur, New York, N. Y. Combined lamp and supporting base. Des. 85,310; Oct. 6.
Von Frankenburg, Arthur, New York, N. Y. Combined casing and support for a clock or similar article. Des. 85,678; Dec. 1.
Von Frankenberg, Arthur, New York, N. Y. Stand for an ash tray or other similar article. Des. 85,720; Dec. 8.
Von Frankenberg, Arthur, New York, N. Y. Stand for smokers' or others similar articles. Des. 85,721; Dec. 8.
Von Frankenberg, Arthur, New York, N. Y. Lamp. Des. 85,896; Dec. 29.
Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 83,480; Feb. 24.
Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 83,772; Mar. 24.
Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 83,773; Mar. 24.
Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 83,774; Mar. 24.
Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 83,775; Mar. 24.
Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 83,776; Mar. 24.
Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 83,777; Mar. 24.
Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 83,778; Mar. 24.
Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 83,779; Mar. 24.
Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Book-end or similar article. 83,780; Mar. 24.
Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 83,781; Mar. 24.
Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash tray or similar article. Des. 84,449; June 16.
Von Frommer, Rudolf, Budapest, Hungary. Breech-bolt mechanism for sporting guns. 1,790,612; Jan. 27.
Von Frommer, Rudolf, Budapest, Hungary. Automatic firearm. 1,809,741; June 9.
Von Gizinsky, Casimir M., jr., Schenectady, N. Y. Attachment for pianos. 1,796,350; Mar. 17.
Von Gruber, Otto. (See Bauersfeld, W., and Von Gruber.)
Von Henke, Edmund J., assignor to American Electric Fusion Corporation, Chicago, Ill. Edgewise coil and making the same. 1,801,214; Apr. 14.
Von Henke, Edmund J., assignor to Automatic Safety Trip Corporation, Chicago, Ill. Safety device. 1,828,723; Oct. 20.
Von Heyman, Günther, Berlin-Schoneberg, Germany. Change-speed gearing. 1,797,740; Mar. 24.
Von Hildebrandt, Paul G., assignor to H. B. Salkeld, Pittsburgh, Pa. Preparing fiber from wood and wood waste. 1,803,443; May 5.
Von Hildebrandt, Paul G., assignor to H. B. Salkeld, Pittsburgh, Pa. Digester. 1,803,444; May 5.
Von Hoorn, Fred G., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Switch. 1,820,683; Aug. 25.
Von Horvath, Edmund, and P. Vielwerth, Munich, Germany. Removing the moldy smell and taste of tainted cereals and the like. 1,811,869; June 30.
Von Kaenel, Fritz, Milwaukee, Wis. Toy sled. 1,790,126; Jan. 27.
Von Klein, Bert H., New York, N. Y. Speedometer. 1,813,003; July 7.
Von Krenski, Roman, Berlin-Charlottenburg, Germany. Power transmitting friction wheel. 1,803,953; May 5.
Von Linde, Albert B., Torrance, Calif. Tubing check valve. 1,793,572; Feb 24.
Von Loesecke, Harry. (See McQuiston, R. C., and Von Loeschke.)
Von Madaler, Ferdinand, Hampton Bays, assignor, by mesne assignments, to Visionola Mfg. Corporation, New York, N. Y. Synchronously operated motion picture and sound reproduction apparatus. 1,803,572; May 5.
Von Mehren, Oswald D., New York, N. Y., assignor to Mehren Lock Company, Incorporated, Clifton, N. J. Key operated combination lock. 1,819,853; Aug. 18.
Von Miller, William J., assignor of one-half to D. M. Bardon, Seattle, Wash. Pontoon for aircraft. 1,794,474; Mar. 3.
Vonnegut Hardware Company. (See Prinzler, Carl J., assignor.)
Von Nessen, Walter, New York, N. Y., assignor to Efcolite Corporation, Trenton, N. J. Lighting-fixture shade or article of similar nature. Des. 83,295; Feb. 10.
Von Nessen, Walter, New York, N. Y., assignor to Efcolite Corporation, Trenton, N. J. Lighting fixture or article of similar nature. Des. 84,169; May 12.
Von Nostitz, Erich. (See Johnson, H. B., and von Nostitz.)
Von Ostermann, Arthur, assignor to Seeostra Import Corporation, New York, N. Y. Lingerie ribbon. Des. 83,081; Jan. 13.
Von Pein, Edward J., assignor to Dayton Scale Company, Dayton, Ohio. Scale washer. 1,791,775; Feb. 10.
Von Pein, Edward J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,797,487; Mar. 24.
Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,797,536; Mar. 24.
Von Pein, Edward J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,824,248; Sept. 22.
Von Pein, Edward J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,829,817; Nov. 3.

Von Pein, Edward J., and W. S. Roux, assignors, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,824,247; Sept. 22.
Von Phul, Henry, assignor to American Brass Novelty Co., Grand Haven, Mich. Toilet-seat hinge. 1,797,488; Mar. 24.
Von Platen, Baltzar C., and C. G. Munters, Stockholm, Sweden, assignors, by mesne assignments, to Electrolux Servel Corporation. Refrigerator. 1,799,201; Apr. 7.
Von Reis, Lambert, Herzogenrath, Germany, assignor, by mesne assignments, to The American Bicherous Company. Traveling transporting table for plastic glass plates. 1,793,977; Feb. 24.
Von Reis, Lambert, Herzogenrath, Germany, assignor, by mesne assignments, to The American Bicheroux Company. Traveling transporting table for glass plates. 1,797,626; Mar. 24.
Von Reis, Lambert, Herzogenrath, Germany, assignor by mesne assignments, to The American Bicheroux Company. Roll for rolling glass plates from molten glass. 1,816,307; July 28.
Von Reis, Lambert, Herzogenrath, Germany, assignor by mesne assignments, to The American Bicheroux Company. Handling sheet glass. 1,833,239; Nov. 24.
Von Reis, Lambert, Herzogenrath, Germany, assignor, by mesne assignments, to The American Bicheroux Company. Device for handling sheet glass. 1,833,240; Nov. 24.
Von Reis, Lambert, Herzogenrath, Germany, assignor, by mesne assignments, to The American Bicheroux Company. Method and machine for rolling plate glass. 1,838,337; Dec. 29.
Von Reppert, Richard, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,803,082; Apr. 28.
Von Reppert, Richard, Hartford, Conn., assignor to Underwood, Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,803,573; May 5.
Von Reppert, Richard, Hartford, Conn., assignor to Underwood, Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,804,189; May 5.
Von Reppert, Richard, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,804,723; May 12.
Von Reppert, Richard, Hartford, Conn., assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,823,715; Sept. 15.
Von Reppert, Richard, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,827,693; Oct. 13.
Von Reppert, Richard, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,828,755; Oct. 27.
Von Riesen, Cornelius, Beatrice, Nebr. Clutch. 1,820,331. Aug. 25.
Von Rosenberg, Freiherr G. (See Kunz, M. A., von Rosenberg, and Gofferjé.)
Von Rottenburg, Otto, Berlin-Dahlem, Germany. Body hollow and solid made of paper-pulp, wood-pulp, or the like with metal reenforcing. 1,831,050; Nov. 10.
Von Salis, Eduard, assignor to the firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Fuel injection device for internal combustion engines. 1,802,933; Apr. 28.
Von Schlegell, Victor, et al. (See Ciglia, E. F., and Pelletier, assignors.)
Von Schütz, Johann, Berlin, Germany. Gas pressure regulator. 1,837,086; Dec. 15.
Von Stieteneron, Freiherr I. (See Schwenke, Robert, assignor.)
Von Suchorzynski, Anton, Breslau-Bischofswalde, Germany. Diaphragm for sound reproduction. 1,810,307; June 16.
Von Tell, Edward E., Gotenborg, Sweden. Cover for ships' hatchways. 1,821,595; Sept. 1.
Von Waldenburg-Straus-Scharina, Edouard W., Lubeck, Germany. Filter for separating dust from air or gas. 1,806,513; May 19.
Von-Waldenburg-Straus-Scharina, Eduard W., Lubeck, Germany. Filtering apparatus. 1,816,064; July 28.
Von Webern, Guido. (See Castok, L. V., and von Webern.)
Von Webern, Guido. (See Hamant, E. W., and von Webern.)
Von Webern, Guido, Dayton, Ohio, assignor to Oxford Varnish Corporation, Detroit, Mich. Roll cleaning machine. 1,825,837; Oct. 6.
Von Webern, Guido, Dayton, Ohio, assignor to Oxford Varnish Corporation, Detroit, Mich. Rotary mold mechanism. 1,832,066; Nov. 17.
Von Wedel, Carl J. R. H., Berlin, Germany, assignor, by mesne assignments, to Electrons, Inc. Discharge tube. 1,807,140; May 26.
Von Wedel, Carl J. R. H., Berlin, Germany, assignor, by mesne assignments, to Electrons, Inc. Circuits for discharge tubes. 1,814,499; July 14.
Von Wilmowsky, Felix F., New York, N. Y. Treating gum hydrocarbons and apparatus used in the said art. 1,808,191; June 2.
Von Winkler Laboratories, Inc., The. (See Winckler, Walter T., assignor.)
Von Zeerleder, Alfred. (See Weber, J., and von Zeelerder.)
Von Zweigbergk, Adolf S. O., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Bearing for railway vehicles or the like. 1,813,975; July 14.
Voorhees, Daniel W., jr., Peru, Ill. Steel truck. 1,806,271; May 19.
Voorhees, Gardner T. Boston, Mass. Refrigerating apparatus. 1,808,910; June 9.
Voorhees, Gardner T., Boston, Mass. Multiple effect gas compressing apparatus. 1,821,248; Sept. 1.
Voorhees, Gardner T., Boston, Mass. Piston process and apparatus. 1,824,938; Sept. 29.
Voorhees, Garret S., Tulsa, Okla. Gasoline pump. 1,791,987; Feb. 10.
Voorhees, Vanderveer, et al., trustees. (See Hamblen, J. B., assignor.)
Voorhees, Vanderveer, assignor to Standard Oil Company, Whiting, Ind. Pickling metals. 1,793,146; Feb. 17.
Voorhees, Vanderveer, assignor to Standard Oil Company, Whiting, Ind. Process and bath for pickling metals. 1,838,338; Dec. 29.
Voorhees, Vanderveer, and E. J. Shaeffer, assignors to Standard Oil Company, Whiting, Ind. Improving pressure distilled oil products. 1,810,632; June 16.
Voorhies, John, W. R. Miller and D. W. Peoples, Indianapolis, Ind. Fluid conduit closure. 1,830,817; Nov. 10.
Voorhies, John, W. R. Miller, and D. W. Peoples, Indianapolis, Ind. Fluid conduit coupling. 1,832,435; Nov. 17.
Voorwinde, Willem, Rotterdam, Netherlands. Grab bucket. 1,796,351; Mar. 17.
Voos, Frederick A., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Retractile device. 1,817,024; Aug. 4.
Voran Automobil-Bau Aktiengesellschaft. (See Bussien, Richard, assignor.)
Vorbeck, Herman W., Grand Junction, Colo. Printing machine for golf balls and the like. 1,817,788; Aug. 4.
Vorbrodt, Werner. (See Geissen, K., and Vorbrodt.)
Vorck, Theodor, and P. Zimmerman, Barmen, assignors to Messrs. Johs. Girmes & Co. Aktiengesellschaft, Oedt, near Krefeld, Germany. Manufacture of knitted warp plush. 1,801,825; Apr. 21.
Vorclone Corporation. (See Partlow, Alfred, assignor.)
Vordermark, George, Indianapolis, Ind. Cushioned vehicle wheel. 1,824,520; Sept. 22.
Vorech, Stephen, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Strainer baffle. 1,828,952; Oct. 27.
Vortex Cup Company. (See Barbieri, Cesare, assignor.)
Vortex Mfg. Co., The. (See Barbieri, Cesare, assignor.)
Vorwerk, Wilhelm, Barmen, Germany. Hose supporter. 1,792,133; Feb. 10.
Vorwerk, Wilhelm, Barmen, Germany. Hollow ribbon. 1,794,127; Feb. 24.
Vorwerk, Wilhelm, Barmen, Germany. Hose supporter. 1,798,344; Mar. 31.
Vosburgh, John R., Johnstown, N. Y. Traction device for vehicle wheels. 1,800,877; Apr. 14.
Vosburgh, John R., Johnstown, N. Y. Traction device for vehicle tires. 1,800,878; Apr. 14.
Vose, Edwin W., Worcester, Mass. Vacuum cleaner. 1,797,455; Mar. 24.
Voshardt, Herman F., assignor to Friedley-Voshardt Co. Chicago, Ill. Dishwasher. 1,798,183; Mar. 31.
Vosler, Kenneth D. (See Korvin-Kroukovsky, B. V., and Vosler.)
Vosper, William W., assignor to The Toledo Pipe Threading Machine Co., Toledo, Ohio. Pipe reamer. 1,791,649; Feb. 10.
Voss, Arthur. (See Kränzlein, G., and Voss.)
Voss, Arthur, Frankfort-on-the-Main-Hochst, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Hardened artificial mass and preparing it. 1,805,385; May 12.
Voss, George. (See Stewart, James S., assignor.)
Voss, John H., Berwyn, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Automatic telephone system. 1,792,454; Feb. 10.
Voss, John H., Berwyn, and T. F. Crocker, Chicago, assignors to Reserve Holding Company, Chicago, Ill. Telephone system. 1,804,575; May 12.
Voss, John H., Berwyn, and B. D. Willis, Oak Park, Ill., assignors to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,809,086; June 9.
Voss, Julius, and W. Spietschka, assignor to Kalle & Co., Aktiengesellschaft, Wiesbaden-Bierbrich, Germany. Shrinkable capsule and processes for making it. 1,831,212; Nov. 10.
Voss, Walter K., Davenport, Iowa. Washing-machine casing. Des. 83,082; Jan. 13.
Voss, Walter K., Davenport, Iowa. Power-plant mounting. 1,791,543; Feb. 10.
Voss, Walter K., Davenport, Iowa. Cover device for washing machines and the like. 1,791,544; Feb. 10.
Voss, Walter K., Davenport, Iowa. Agitator. 1,837,636; Dec. 22.
Voss, Walther. (See Clément, R., and Voss.)
Vossler, Henry, Providence, R. I., assignor to Imperial Knife Company, Inc. Pocketknife. 1,802,990; Apr. 28.
Vossloh, Karl, Werdohl, Germany. Rail fastening device. 1,815,815; July 21.
Vossloh, Karl, Werdohl, Germany. Nut lock. 1,818,915; Aug. 11.

Votey, Edwin S., Summit, N. J., assignor to The Aeolian Company. Automatic action for player pianos. 1,797,741; Mar. 24.
Vought, Chance M. (See Wait, William, jr., assignor.)
Vought, Chance M. (See Watter, Michael, assignor.)
Voytko, John, Streator, Ill. Sewer tile. 1,833,098; Nov. 24.
Vrana, Anton J., Edholm, Nebr. Staple puller. 1,802,687; Apr. 28.
Vreeland, William H., Augusta, Kans. Hollow casing spear. 1,805,535; May 19.
Vroman, John C., Chelsea, assignor of one-half to E. L. Jones, Tulsa, Okla. Oil well pump. 1,804,900; May 12.
Vroman, John C., assignor of one-half to C. P. Smith, Tulsa, Okla. Deep well pump. 1,809,321; June 9.
Vryn, Victor, Jersey City, N. J., assignor to H. Goodman & Sons, Inc., New York, N. Y. Hair waver. 1,823,434; Sept. 15.
Vucassovich, Michel P., Gloucester, Mass. Freezing apparatus. 1,822,718; Sept. 8.
Vuille, George, Plainville, Conn. Machine for milling bearing balls. 1,835,830; Dec. 8.
Vukovich, Michael, and W. E. Berry, Columbus, Ohio. Salvaging device for mail or the like. 1,835,731; Dec. 8.
Vulcan Corporation. (See Clausing, George, assignor.)
Vulcan Detinning Company. (See Buttfield, Gibson, assignor.)
Vulcan-Feuerung Aktiengesellschaft. (See Clément, R., and Voss, assignors.)
Vulcan Iron Works. (See Nicholson, Samuel T., assignor.)
Vulcan Iron Works Company, The. (See Fox, Rudolph H., assignor.)
Vulcan Mold and Iron Company. (See Williams, Edward R., assignor.)
Vulcan Radiator Company, The. (See Walworth, Arthur C., assignor.)
Vulcan Steel Products Company, The. (See Easter, George C., assignor.)
Vulcanite, Inc. (See Gardiner, W., and Staley, assignors.)
Vultee, Gerard, Detroit, Mich., assignor to Detroit Aircraft Corporation. Aeroplane. Des. 83,184; Jan. 27.
Vydra, Robert, Nuremberg, Germany. Artificial tree. 1,798,991; Mar. 31.
Vyse, Charles H., Portland, Oreg. Combustion chamber for motors. 1,817,280; Aug. 4.
W-K-M Company. (See Hoffoss, J. E., and Koen, assignors.)
W-K-M Company. (See McManis, Fred, assignor.)
W. S. Manufacturing Corporation. (See Bennett, John L., assignor.)
Waas, Charles W., St. Paul, Minn. Child's wagon. 1,806,961; May 26.
Waber, James W., Chicago, Ill. Pneumatic tire tube. 1,808,091; June 2.
Wacher, Alexander, Dr., Gesellschaft fur Elektrochemische Industrie. (See Ascherl, A., and Gruber, assignors.)
Wachsman, Jacob, Brooklyn, N. Y. Stop mechanism for knitting machines. 1,835,732; Dec. 8.
Wachtel, Elmer M., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Operating room cabinet or similar article. Des. 84,556; June 30.
Wachter, Lester. (See Anthony, W. C., Benedict, and Wachter.)
Wachusett Shirt Co. (See Gray, H. P., Jones, and Roberson, assignors.)
Wack, Henry K., New Bedford, assignor to John I. Paulding, Inc., Bedford, Mass. Shade holder. 1,803,574; May 5.
Wack, Henry K., assignor to J. I. Paulding, Inc., New Bedford, Mass. Electric light fixture. 1,810,507; June 16.
Wack, Jean-Jacques, Colmar, France. Process and apparatus for the clarification of benzine. 1,803,083; Apr. 28.
Wacker, Alexander, Gesellschaft fur Electrochemische Industrie. (See Kaufler, F., and Stangler, assignors.)
Wacker, Dr. Alexander, Gesellschaft für elektrochemische Industrie G. m. b. H. (See Halbig, P., Kaufler, and Schmitz, assignors.)
Wacker, Dr. Alexander, Gesellschaft fur Elektrochemische Industrie. (See Halbig, P., and Kaufler, assignors.)
Wacker, Dr. Alexander, Gesellschaft fur Elektrochemische Industrie G. m. b. H. (See Halbig, P., and Kaufler, assignors.)
Wacker, William E., Maplewood, N. J., assignor to August Goertz & Co., Inc. Fastener catch. 1,802,796; Apr. 28.
Wackman, Louis B., St. Louis, Mo. Bushing structure. 1,789,928; Jan. 20.
Waddell, Gasper L., Goose Creek, Tex. Stuffing box. 1,799,335; Apr. 7.
Waddell, George W., Lapaz, Ind. Golf ball ejector. 1,826,641; Oct. 6.
Waddell, Homer J., Baltimore, Ohio, assignor, by mesne assignments, to Meter Parts Company. Gas meter. 1,788,754; Jan. 13.
Waddell, Joseph A., assignor to Spencer Heater Company, Williamsport, Pa. Rotary ash receiver. 1,800,916; Apr. 14.
Waddell, Joseph A., assignor to Spencer Heater Company, Williamsport, Pa. Sectional heater. 1,808,391; June 2.
Waddell, Joseph A., and J. W. Foresman, assignors to Spencer Heater Company, Williamsport, Pa. Sectional boiler. 1,800,915; Apr. 14.
Waddell, Martin. (See Watson, H. C., and Waddell.)
Waddell, Miller. (See Moan, L. H., and Waddell.)
Waddell, Oscar M., New Orleans, La. Baby holding and exercising device. 1,832,755; Nov. 17.
Wade & Butcher Corporation. (See Drew, John E., assignor.)
Wade & Butcher Corporation. (See Sheehan, Thomas C., assignor.)
Wade, Evan H., Oak Park, Ill. Auxiliary circulating tube for boilers. 1,832,885; Nov. 24.
Wade, Francis W., Canon City, Colo. Combined lawn and hedge trimmer. 1,814,649; July 14.
Wade, Harold. (See Dufay, Louis, assignor.)
Wade, Irving L., Oak Park, and C. B. Robertson, Blue Island, Ill. Seating tool. 1,795,323; Mar. 10.
Wade, Jethro T., High Wycombe, England. Turbine pump and the like. 1,829,122; Oct. 27.
Wade, John Z. (See Duffey, C. B., and Wade.)
Wade, Lorentz G., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Control mechanism. 1,796,816; Mar. 17.
Wade, Verner M., and C. E. Zuspan, assignors to Fairmont Box Company, Fairmont, W. Va. Revoluble pipe joint. 1,797,382; Mar. 24.
Wade, Wallace G., Lancaster, Pa., assignor to Westinghouse Electric & Manufacturing Company. Triode vacuum tube. 1,794,933; Mar. 3.
Wade, William J., assignor of one-half to M. J. Campbell, Fort Madison, Iowa. Heating system for automobiles. 1,828,989; Oct. 27.
Wadell, Albert H., Newark, N. J. Machine for trimming metal parts. 1,820,717; Aug. 25.
Wadesworth, Frank L. O., Pittsburgh, Pa. Multiple-piston pneumatic tool. 1,798,642; Mar. 31.
Wadman, Harold A. (See Russell, A. W., and Wadman.)
Wadman, Harold A., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for annealing glass. 1,793,199; Feb. 17.
Wadman, Harold A., assignor to Hartford-Empire Company, Hartford, Conn. Duplex temperature regulator for leers and the like and method. 1,802,991; Apr. 28.
Wadman, Harold A., assignor to Hartford-Empire Company, Hartford, Conn. Methods of and apparatus for making glass. 1,807,054; May 26.
Wadman, Harold A., assignor to Hartford-Empire Company, Hartford, Conn. Drift control for leers. 1,808,192; June 2.
Wadman, Harold A., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus and method for annealing glassware. 1,809,996; June 16.
Wadman, Harold A., Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn. Parison transfer and inversion mechanism and method. 1,825,985; Oct. 6.
Wadsted, Bengt, Berlin, Germany, assignor to Kunstdunger-Patent-Verwertungs-Aktiengesellschaft, Glarus, Switzerland. Concentrating phosphoric acid solutions. 1,836,694; Dec. 15.
Wadsten, Sten, Bloomfield, N. J., assignor to Westinghouse Lamp Company. Machine for flattening filamentary wire. 1,813,592; July 7.
Wadsten, Sten, Bloomfield, N. J., assignor to Westinghouse Lamp Company. Wire-bending die. 1,821,249; Sept. 1.
Wadsten, Sten, Bloomfield, N. J., assignor to Westinghouse Lamp Company. Wire-coiling die. 1,821,250; Sept. 1.
Wadsworth, David T., Cold Springs, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Inclosed electric switch. 1,788,215; Jan. 6.
Wadsworth, David T., Cold Springs, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Latching and seal receiving structure. 1,807,261; May 26.
Wadsworth, David T., Cold Springs, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Wiring channel structure. 1,813,331; July 7.
Wadsworth, Dwight W., Fennville, Mich. Packing apparatus. 1,799,938; Apr. 7.
Wadsworth Electric Manufacturing Company, The. (See Wadsworth, David T., assignor.)
Wadsworth, Frank L. O., Pittsburgh, Pa. Percussion tool. 1,809,952; June 16.
Wadsworth, Frank L. O., Pittsburgh, Pa. Lubricating mechanism for deep well drills. 1,819,532; Aug. 18.
Wadsworth, Frank L. O., Pittsburgh, Pa. Lubricating system for deep well tools. 1,838,045; Dec. 22.
Wadsworth, Frank L. O., Pittsburgh, Pa. Rotary drilling tool. 1,838,067; Dec. 22.
Wadsworth, George B., Company, The. (See Wadsworth, George E., assignor.)
Wadsworth, George E., Erlanger, Ky., assignor, by mesne assignments, to The George B. Wadsworth Company, Cincinnati, Ohio. Fusible switch mechanism. 1,804,724; May 12.
Wadsworth Watch Case Co. (See Beebe, M. C., and Herlinger, assignors.)
Wadsworth Watch Case Company. (See Conant, Arthur P., assignor.)
Wadsworth Watch Case Co., The. (See McFarland, James C., assignor.)
Wadsworth Watch Case Company, The. (See Otten, Lawrence F., assignor.)

Wadsworth Watch Case Co., The. (See Otten, L. F., and Cullis, assignors.)
Wadsworth Watch Case Company, The. (See Stegeman, A. Vinton, jr., assignor.)
Waechter, Ferdinand F., Philadelphia, Pa., assignor to Link-Belt Company. Trolley device. 1,813,898; July 7.
Waechter, Ferdinand F., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Loading and unloading mechanism for elevators. 1,829,317; Oct. 27.
Waechter, Ferdinand F., and L. F. Snyder, Philadelphia, Pa., assignors to Link-Belt Company, Chicago, Ill. Control mechanism for crawler loader booms. 1,817,789; Aug. 4.
Waenerlund, Torsten E., assignor to M. O. Och Domsjö Aktiebolag, Ornskoldsvik, Sweden. Manufacturing cellulose according to the sulphite method. 1,809,499; June 9.
Waern, Adolph W., assignor to The Champion Fibre Company, Canton, N. C. Smelting apparatus. 1,833,386; Nov. 24.
Waffle, Charles T. (See Andres, W. J., and Waffle.)
Wagar, Fred L., Wagar, Ala. Exhaust ventilator. 1,807,109; May 26.
Wagar, Fred L., Wagar, Ala. Trunk and box. 1,810,451; June 16.
Wagen, Samuel M., New York, N. Y. Vehicle. 1,800,123; Apr. 7.
Wagenbach, Anton, Elberfeld, Germany. Bending machine for rod and profile iron. 1,795,188; Mar. 3.
Wagener, Clemens, Berlin, Germany, assignor to Pyrene-Minimax Corporation. Producing foam for fire extinguishing purposes. 1,821,914; Sept. 1.
Wagenfeld, Harry, assignor to Keystone Adjustable Cap Corporation, Philadelphia, Pa. Apparatus for producing band material. 1,802,097; Apr. 21.
Wagenfeld, Harry, Philadelphia, Pa., assignor to Keystone Adjustable Cap Corporation. Cook's cap. 1,836,141; Dec. 15.
Wagenhals, William G., Detroit, Mich. Humidifier. 1,805,059; May 12.
Wagenhorst, James H., Jackson, Mich. Cabinet for arc lamps. 1,798,567; Mar. 31.
Wagenhorst, James H., Jackson, Mich. Adjustable support. 1,798,568; Mar. 31.
Wagenhorst, James H., Jackson, Mich. Automobile wheel. 1,798,643; Mar. 31.
Wagenhorst, James H., Jackson, Mich. Vehicle wheel. 1,814,198; July 14.
Wagenhorst, James H., Jackson, Mich. Arc lamp. 1,817,955; Aug. 11.
Wagenhorst, James H., Detroit, Mich. Automobile wheel rim. 1,798,569; Mar. 31.
Wagenhorst, James H., Detroit, Mich. Making wire-spoked wheels. 1,799,712; Apr. 7.
Wagenhorst, James H., Detroit, Mich. Making wire spoked wheels. 1,806,227; May 19.
Wagenhorst, James H., Detroit, Mich. Arc lamp. 1,816,554; July 28.
Wagenseller, Paul W., Chicago, Ill., assignor of one-half to Mark Isaacs, Minneapolis, Minn. Graduated protector for cylinders and the like. 1,832,436; Nov. 17.
Wager, Robert H., Jersey City, N. J. Lather-forming device. 1,798,345; Mar. 31.
Wager, Robert H., Jersey City, N. J. Lather-forming device. 1,798,346; Mar. 31.
Wagers, Ned A., Appomattox, Va. School desk and seat. 1,818,831; Aug. 11.
Wages, Lawrence L., assignor of one-half to G. H. McClary, Bessemer, Ala. Convertible barber chair. 1,807,262; May 26.
Waggaman, William H. (See Ober, B., Wight, and Waggaman.)
Waggaman, William H. (See Wight, E. H., Waggaman, and Ober.)
Waggoner, Ralph, assignor to Marbelite Corporation of America, Los Angeles, Calif. Apparatus for forming cementitious bodies. 1,828,914; Oct. 27.
Waggoner, William G., Phoenix, Ariz. Automatic stenotype-paper holder. 1,795,690; Mar. 10.
Wagner, Albert G., Covington, Ky., assignor to The Wolf Machine Company, Cincinnati, Ohio. Cloth cutting machine. 1,815,017; July 14.
Wagner, Albert G., assignor to The Wolf Machine Company, Cincinnati, Ohio. Cloth cutting machine. 1,815,018; July 14.
Wagner, Albert G., assignor to The Wolf Machine Company, Cincinnati, Ohio. Piercing machine. 1,831,213; Nov. 10.
Wagner, Alfons, Duisburg, and E. Pohl, Rhondoff-on-the-Rhine, assignors to Gutehoffnungshütte Oberhausen Aktiengesellschaft, Oberhausen, Germany. Blowing blast into shaft furnaces. 1,830,683; Nov. 3.
Wagner, Andrew, West Hoboken, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Folding table. 1,807,184; May 26.
Wagner, Carl F. (See Sears, E., and Wagner.)
Wagner, Cary R. (See Osterstrom, R. C., Hyman, and Wagner.)
Wagner, Cary R. (See Weaver, J. B., and Wagner.)
Wagner, Cary R., Chicago, Ill., assignor to Gyro Process Company, Detroit, Mich. Oil heater. 1,805,607; May 19.
Wagner, Cary R., Chicago, Ill., assignor to Gyro Process Company, Detroit, Mich. Converting oils in vapor phase. 1,811,194; June 23.
Wagner, Charles. (See Boedricker, Herman C., assignor.)
Wagner, Charles. (See Hormel, August, assignor.)
Wagner, Charles, Litho. Machinery Company, Inc. (See Wagner, C., and Hormel, assignors.)
Wagner, Charles, Grantwood, N. J. Hose reel. 1,814,872; July 14.
Wagner, Charles, Grantwood, and A. Hormel, Jersey City, N. J., assignors to Charles Wagner Litho. Machinery Company, Inc. Drying apparatus for plates of metal and other material. 1,828,516; Oct. 20.
Wagner, Charles B., Spring Mills, Pa. Pole ladder. 1,831,332; Nov. 10.
Wagner, Charles H., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis. Furnace stack. 1,791,255; Feb. 3.
Wagner, Charles L. (See Webster, W. T., and Wagner.)
Wagner, Charles P. and W. W., New Orleans, La. Flour saving means for dough brakes. 1,809,225; June 9.
Wagner, Chester I., New York, assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Record file. 1,790,451; Jan. 27.
Wagner, Clarence C., assignor to J. E. Sjostrom Company, Philadelphia, Pa. Adjustable drawing board. 1,836,053; Dec. 15.
Wagner, Dwight H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Flower vase. 1,804,447; May 12.
Wagner Electric Corporation. (See Baker, Paul W., assignor.)
Wagner Electric Corporation. (See Dick, Burns, assignor.)
Wagner Electric Corporation. (See Linders, Harry P., assignor.)
Wagner Electric Corporation. (See McCormick, Bradley, assignor.)
Wagner Electric Corporation. (See Weichsel, Hans, assignor.)
Wagner Electric Corporation. (See Wulfert, Otto, assignor.)
Wagner, Emil C., Montesano, Wash. Dredging bucket. 1,822,181; Sept. 8.
Wagner, Fred H., jr., assignor to The Silica Gel Corporation, Baltimore, Md. Adsorbing a gas in a solid adsorbent. 1,825,707; Oct. 6.
Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Gas and liquid contact apparatus. 1,798,822; Mar. 31.
Wagner, Frederick H., assignor to The Bartlett Hayward Co., Baltimore, Md. Waterless gas holder. 1,838,016; Dec. 22.
Wagner, Frederick, Atco, N. J., and H. C. Mitchell, Philadelphia, assignors to Cochrane Corporation, Philadelphia, Pa. Measuring apparatus. 1,830,413; Nov. 3.
Wagner, Friedrich, Limbach, Germany. Circular knitting machine. 1,829,691; Oct. 27.
Wagner, Friedrich, Russdorf B/Oberfrohna, Germany. Double-sided warp goods. 1,811,813; June 23.
Wagner, Fritz, Berlin-Lichterfelde, assignor to Firm of Fritz Wagner and Co., Berlin, Germany. Valve comprising an equalizing chamber, a main and an auxiliary valve. 1,833,062; Nov. 24.
Wagner, Fritz, Berlin-Lichterfelde, assignor to Fritz Wagner and Co., Berlin, Germany. Valve. 1,833,981; Dec. 1.
Wagner, Fritz, and Co. (See Wagner, Fritz, assignor.)
Wagner, Fritz, and Co., Firm. (See Wagner, Fritz, assignor.)
Wagner, George R., assignor of one-half to William L. Smith, Pittsburgh, Pa. Composition for removing carbon and rust. 1,792,052; Feb. 10.
Wagner, Harry, St. Louis, Mo. Radiator overflow. 1,795,457; Mar. 10.
Wagner, Herbert, assignor to the firm Rohrbach Metall-Flugzeugbau G. m. b. H., Berlin, Germany. Plate wall girder. 1,822,943; Sept. 15.
Wagner, Herbert A., Baltimore County, Md. System of transportation and means for accomplishing the same. 1,801,469; Apr. 21.
Wagner, Hermann, Soden-on-the-Taunus, H. Eichwede and E. Fischer, Hochst-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Pyrazolone azo dyestuffs and preparing the same. 1,794,218; Feb. 24.
Wagner, Hermann, Bad-Soden, and K. Beck, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs and material dyed with them. 1,794,219; Feb. 24.
Wagner, Hermann, Bad Soden-on-the-Taunus, and R. Brune, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing the 2-nitrile of aryl-1-thioglycol-2-carboxylic acids containing bromine and new product obtainable thereby. 1,803,781; May 5.
Wagner, Hermann, Bad-Soden-am-Taunus, A. Kissling, Frankfort-on-the-Main-Hochst, E. Hotz, Hattersheim, near Frankfort-on-the-Main, and W. Fitzky, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 2-halogen-3-chloro-4-amino-1-methylbenzene-5-sulphonic acids and preparing them. 1,815,747; July 21.

Wagner, Hermann, Bad-Soden-am-Taunus, A. Kissling, Frankfort-on-the-Main-Hochst, E. Hotz, Hattersheim, near Frankfort-on-the-Main, and W. Fitzky, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 2-halogen-3-chloro-4-amino-1-methylbenzene-6-sulphonic acids and preparing them. 1,815,748; July 21.
Wagner, Hermann, Bad-Soden-on-Taunus, M. Hessenland, Konigsberg, and R. Brune, Frankfort-on-the Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing phenyl-1-thioglycollic-2-carboxylic acid amides containing halogen. 1,823,073; Sept. 15.
Wagner, Hermann, and A. Ulmer, Pforzheim, Germany. Watch protecting case. 1,829,883; Nov. 3.
Wagner, Isidor, St. Louis, Mo. Game device. 1,801,944; Apr. 21.
Wagner, James S., assignor of one-fifth to G. W. King, Fairhope, one-fifth to M. Hixenbaugh, one-fifth to H. R. Ray, and one-fifth to C. S. Bateman, Charleroi, Pa. Refrigerator wall structure. 1,831,897; Nov. 17.
Wagner, John, Milwaukee, Wis. Sewing needle. 1,833,665; Nov. 24.
Wagner, John A., assignor to Wagner Malleable Iron Company, Decatur, Ill. Wire-rope clamp. 1,796,738; Mar. 17.
Wagner, Joshua. (See Schroeder, L. H., and Wagner.)
Wagner, Joshua, assignor to Progressive Corrugated Paper Machinery Co. Inc., Brooklyn, N. Y. Blank-guiding mechanism. 1,792,878; Feb. 17.
Wagner, Joshua, Brooklyn, assignor, by mesne assignments, to Diagonal Corrugated Patent Corporation, New York, N. Y. Corrugating machine. 1,804,661; May 12.
Wagner, Karl W., Berlin, Germany. Duplex system for telegraph cables with loading coils. 1,822,182; Sept. 8.
Wagner, Karl E., Highland Park, assignor to The Whitacre Engineering Company, Chicago, Ill. Floor construction. 1,836,347; Dec. 15.
Wagner, Lawson L., New York, N. Y. Silicate bonded material and making same. 1,831,982; Nov. 17.
Wagner, Ludwig W., San Antonio, Tex., assignor to A. B. Dick Company, Chicago, Ill. Sheet-feeding attachment for duplicating and like machines. 1,790,735; Feb. 3.
Wagner Malleable Iron Company. (See Wagner, John A., assignor.)
Wagner, Martin F. (See Cline, W. J., and Wagner.)
Wagner, Martin F. (See McLendon, W. B., and Wagner.)
Wagner, Paul, Charlottenburg, and S. Sandelowsky, Berlin-Grunewald, Germany, assignors to General Electric Company. Automatic arc welding machine. 1,809,653; June 9.
Wagner, Peter J., Haffney, Pa. Aeroplane. 1,807,812; June 2.
Wagner, Richard R. (See Schwarzkopf, A. R., and Wagner.)
Wagner, Robert R., assignor to General Motors Corporation, Detroit, Mich. Vehicle heater. 1,809,654; June 9.
Wagner, Rudolf, Hamburg, Germany. Boiler installation on steam-turbine plants for aircraft. 1,800,124; Apr. 7.
Wagner, Rudolf, Hamburg, Germany. Air cooled condenser for steam driven vehicles. 1,803,156; Apr. 28.
Wagner, Rudolf, Hamburg, Germany. Blading for steam and gas turbines. 1,803,223; Apr. 28.
Wagner, Rudolf E., Karlstad, and J. D. Ullgren, Stocksund, assignors to Aktiebolaget Karlstads Mekaniska Werkstad, Karlstad, Sweden. Machine for separating liquids from solid bodies mixed or suspended therein. 1,817,594; Aug. 4.
Wagner, Theodore B., Brooklyn, N. Y. Organic calcium phosphate and making same. 1,833,506; Nov. 24.
Wagner, Thomas S. S., Gardena, Calif. Machine for displaying advertising. 1,832,336; Nov. 17.
Wagner, Wilhelm. (See Balz, O., and Wagner.)
Wagner, Wiltz W. (See Wagner, C. P. and W. W.)
Wagnon, Hamilton D., Palouse, Wash. Manufacturing paper pulp. 1,812,575; June 30.
Wagoner, Kenneth S., Oak Park, assignor to Electrical Engineers Equipment Co., Melrose Park, Ill. Disconnect switch. 1,813,103; July 7.
Wagstaff, Richard A., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Disappearing feeder for metallurgical furnaces. 1,822,944; Sept. 15.
Wahl, Arnold S., Chicago, Ill., assignor to E. W. Stewart & Company. Baking. 1,795,980; Mar. 10.
Wahl Clipper Corporation. (See Wahl, Leo J., assignor.)
Wahl Company, The. (See Baker, Walter J., assignor.)
Wahl Company, The. (See Poole, Arthur F., assignor.)
Wahl Company, The. (See Vail, Merral C., assignor.)
Wahl Company, The. (See Wahl, John C., assignor.)
Wahl Company, The. (See Wahl, John E., assignor.)
Wahl Company, The. (See Wahl, J. C., and Stenersen, assignors.)
Wahl, George C., assignor to Indianapolis Wire Bound Box Company, Indianapolis, Ind. Feeder for woodworking machines. 1,798,570; Mar. 31.
Wahl, John, Rosedale, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Making valve stems. 1,792,619; Feb. 17.
Wahl, John, Rosedale, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Tire valve cap or the like. 1,803,373; May 5.
Wahl, John, Rosedale, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Vulcanizing apparatus. 1,833,009; Nov. 24.
Wahl, John, Rosedale, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Pressure gauge. 1,838,166; Dec. 29.
Wahl, John, and O. Melzer, assignors to A. Schrader's Son, Incorporated, New York, N. Y. Coupling. 1,797,383; Mar. 24.
Wahl, John, and O. Melzer, Queens, assignors to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Air bag valve coupling. 1,810,115; June 16.
Wahl, John C., assignor to The Wahl Company, Chicago, Ill. Mechanical pencil. 1,797,888; Mar. 24.
Wahl, John C., and A. H. Stenersen, assignors to The Wahl Company, Chicago, Ill. Fountain-pen-filling device. 1,800,330; Apr. 14.
Wahl, John E., assignor to The Wahl Company, Chicago, Ill. Device for operating on nibs. 1,791,776; Feb. 10.
Wahl, Leo J., Sterling, Ill. Vibrator. 1,832,437; Nov. 17.
Wahl, Leo J. assignor to Wahl Clipper Corporation, Sterling, Ill. Hair dryer. 1,809,458; June 9.
Wahl, Leo J., assignor to Wahl Clipper Corporation, Sterling, Ill. Hand clipper. 1,809,459; June 9.
Wahl, Leo J., assignor to Wahl Clipper Corporation, Sterling, Ill. Vibrator attachment. 1,818,287; Aug. 11.
Wahl, William F., Milwaukee, Wis. Automobile vacuum tank funnel. 1,812,670; June 30.
Wahlbeck, John H. (See Prosser, T. W., and Wahlbeck.)
Wahlberg, Nils A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator connecter. 1,794,934; Mar. 3.
Wahlberg, Nils A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission line device. 1,802,743; Apr. 28.
Wahlberg, Nils A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission line device. 1,809,997; June 16.
Wahlberg, Nils A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Conductor clamp. 1,819,533; Aug. 18.
Wahlberg, Nils A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission line device 1,836,999; Dec. 15.
Wahlberg, Nils A., Derry, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission line device. 1,806,321; May 19.
Wahlforss, Eric, St. Cloud, Minn., assignor, by mesne assignments, to Arthur L. Little Industrial Corporation, New York, N. Y. Manufacture of paper pulp. 1,816,879; Aug. 4.
Wahnish, George, assignor of one-fourth to C. M. Bleecker, New York, N. Y. Carburetor. 1,817,860; Aug. 4.
Wahnish, George, assignor of one-fourth to C. M. Bleecker, New York, N. Y. Carburetor. 1,817,861; Aug. 4.
Wahlbeck, John H. (See Prosser, Thomas W., and Wahlbeck.)
Waid, Calvin R., Birmingham, Ala. Grate bar. 1,800,488; Apr. 14.
Waide, Merrill, Newark, N. J., assignor to Natural-Color, Inc., New York, N. Y. Optical system and producing photographs and projecting the same in natural colors. 1,836,562; Dec. 15.
Wain, Harry J., New Brighton, Pa., assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. Des. 83,709; Mar. 17.
Wain, Harry J., New Brighton, assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. Des. 84,861; Aug. 11.
Wainewright, Claude B., and V. C. Wainewright, Vancouver, British Columbia, Canada. Convertible ground seat and lounge. 1,799,939; Apr. 7.
Wainewright, Victor C. (See Wainewright, Claude B. and V. C.)
Wainright, Charles, Erie, Pa. Unloading system for air and gas compressors. 1,817,862; Aug. 4.
Wainwright, Carlyle H. (See Bentley, P. A., Manger, and Wainwright.)
Wainwright, Edwey Z., Jr., Pittsburgh, Pa. Automobile signal. 1,791,334; Feb. 3.
Wainwright, Joseph E., Brooklyn, N. Y. Valve spring compressor and replacer. 1,826,908; Oct. 13.
Wait, Bertrand H., New Rochelle, N. Y. Pavement and constructing a pavement. 1,788,785; Jan. 13.
Wait, Henry H., Chesterton, Ind. Dynamo cooling system. 1,816,506; July 28.
Wait, Justin F., New York, N. Y., assignor to National Aniline & Chemical Co., Inc. Recovery of solvents. 1,798,713; Mar. 31.
Wait, Justin F., New York, N. Y., assignor to National Aniline & Chemical Co., Inc. Increasing the apparent density of organic compounds before fusion with caustic alkali. 1,820,684; Aug. 25.
Wait, William, jr., Garden City, N. Y., assignor to Curtiss Aeroplane & Motor Co., Inc. Operating mechanism for aircraft-control surfaces. 1,789,483; Jan. 20.
Wait, William, jr., Garden City, assignor to C. M. Vought, Grenwolde, Great Neck, N. Y. Airplane. 1,794,811; Mar. 3.
Wait, William, jr., Garden City, assignor to C. M. Vought, Grenwolde, Great Neck, N. Y. Adjustable control for aircraft. 1,795,910; Mar. 10.
Wait, William, jr., Garden City, assignor to Chance M. Vought, Great Neck, N. Y. Gun mount for airchaft. 1,806,724; May 26.

Wait, William, jr., Garden City, N. Y., assignor to Curtiss Aeroplane & Motor Company. Aeroplane wing. 1,817,956; Aug. 11.
Waite, Edwin E., Framingham, assignor of one-half to Multibestos Company, Walpole, Mass. Clutch. 1,789,918; Jan. 20.
Waite, Frank H. (See Davey, G. W., and Waite.)
Waite, Fred., Inglewood, Otley, England. Wiping and scraping mechanism of intaglio machines. 1,818,441; Aug. 11.
Waite, Griffin G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Remote metering system. 1804,576; May 12.
Waite, Lorenzo E., assignor to Erie Malleable Iron Company, Erie, Pa. Forming metal wheels. 1,819,854; Aug. 18.
Waite, Lorenzo E., assignor to Erie Malleable Iron Company, Erie, Pa. Wheel. 1,837,302; Dec. 22.
Waite, Ralph B., Springville, N. Y., assignor to The Antidolor Mfg. Co. Inc. Medicament container. 1,814,650; July 14.
Waite, Raymond F., Mamaroneck, N. Y. Hanger. 1,837,930; Dec. 22.
Wakabayashi, Tatsuo, New York, N. Y. Inking means. 1,821,777; Sept. 1.
Wakefield All-Steel Wrench Company. (See Fleming, Joseph P., assignor.)
Wakefield, Arthur T., assignor to The American Oil Company, Baltimore, Md. Sealed valve mechanism for liquid dispensing systems. 1,788,786; Jan. 13.
Wakefield, Arthur T., assignor to American Oil Company, Baltimore, Md. Liquid measuring system. 1,814,065; July 14.
Wakefield, Francis J., Attleboro, Mass., assignor to Taunton Pearl Works, Inc. Collar holder. Des. 84,862; Aug. 11.
Wakefield, Frank E., Elgin, Ill., assignor to Lucien Lelong Inc., Chicago, Ill. Powder container or similar article. Des. 85,216; Sept. 22.
Wakefield, George M., River Forest, Ill. Dumping bucket. 1,790,034; Jan. 27.
Wakefield, Richard E. B., Bloomfield, N. J. Package-making mechanism. 1,792,203; Feb. 10.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical warp stop motion for looms. 1,793,147; Feb. 17.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Machine for forming gear guards. 1,817,115; Aug. 4.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin for automobile looms. 1,826,333; Oct. 6.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical weft detector for cam box looms. 1,834,360; Dec. 1.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric weft detector for looms controlled by drop boxes. 1,834,361; Dec. 1.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric feeler for drop box looms. 1,835,358; Dec. 8.
Walach, Bruno. (See Scheuing, G., and Walach.)
Walberg, Bernard E., Worcester, Mass. Drum stand. 1,837,637; Dec. 22.
Walborn, Joseph E. (See Clark, J., and Walborn.)
Walbröhl, Wilhelm, Cologne, Germany. Brush of steel wire springs. 1,837,931; Dec. 22.
Walch, Frederick W. (See Williston, B. T., Walch, and Allen.)
Wald, Charles, Freeport, N. Y. Airplane control. 1,825,609; Sept. 29.
Wald, George, Belleville, Ill. Television transmission apparatus. 1,790,736; Feb. 3.
Wald, George, Belleville, Ill. Receiving apparatus for television. 1,810,692; June 16.
Wald Manufacturing Company, The. (See Pawsat, Ewald, assignor.)
Walden, Edwin M., Tampa, Fla. Airplane vertical rudder control mechanism. 1,819,801; Aug. 18.
Walden, George B., Southport, assignor to Eli Lily and Company, Indianapolis, Ind. Liver extract for secondary anemia and making it. 1,813,788; July 7.
Walden, Harold L., Helena, Mont. Game apparatus. 1,819,932; Aug. 18.
Walden, Lerna D., Kansas City, Kans. Dashpot. 1,810,233; June 16.
Walden, Lester M., Chicago, Ill. Line-casting machine. 1,830,146; Nov. 3.
Waldes-Koh-I-Noor, Inc. (See Rocke, Louis, assignor.)
Waldman, Ernest, Chicago, Ill. Molding machine. 1,787,605; Jan. 6.
Waldo, William S. (See Neufang, H. J., and Waldo.)
Waldorf Paper Products Company. (See Boeye, Paul F., assignor.)
Waldorf Paper Products Company. (See Guyer, Reynolds, assignor.)
Waldram, Nathan C. (See Whittington, William L., assignor.)
Waldrich, Oskar, Siegen, Germany. Apparatus for grinding rolls. 1,808,392; June 2.
Waldron, Frederic B. (See Le Mare, E. B., and Waldron.)
Waldron, Frederic B., Prescot, and J. H. Griffin, St. Helens, assignors to Pilkington Brothers Limited, Liverpool, England. Apparatus for the grading of abrasives for use in continuous glass grinding machines. 1,826,585; Oct. 6.
Waldron, George H., Torrington, Conn. Photographic developing apparatus. 1,794,996; Mar. 3.
Waldron, John, Corporation. (See Case, Lynn B., assignor.)
Waldron, Russell E., Detroit, Mich., assignor to Dominion Forge & Stamping Company, Limited, Walkerville, Ontario, Canada. Making chain links. 1,838,025; Dec. 22.
Waldrone, William, assignor of one-half to W. S. Clark, Chicago, Ill. Self-closing, double-acting door. 1,800,165; Apr. 7.
Waldrop, Milton E., et al. (See Wyrick, Roy M., assignor.)
Waldsmith, Cecil A. (See Knight, W. H., and Waldsmith.)
Waldvogel, Albert C., Richmond Heights, Mo. Punch press. 1,834,191; Dec. 1.
Walen, Ernest D., Andover, assignor to Pacific Mills, Lawrence, Mass. Fabric measuring apparatus and method. 1,829,318; Oct. 27.
Wales, George F., Buffalo, N. Y. Spring mounting for presses and the like. 1,811,987; June 30.
Wales, George F., Kenmore, N. Y. Punch mounting, stripping, and lubricating means for stamping presses. 1,822,468; Sept. 8.
Wales, Nathaniel B., New York, N. Y. Cooling internal combustion engines. 1,802,744; Apr. 28.
Wales Novelties Corporation. (See Hardy, Charles, assignor.)
Wales, Rowland T., New Rochelle, N. Y. Wall. 1,838,203; Dec. 29.
Walford, Lester J., Lansing, Mich. Exhaust silencer. 1,816,245; July 28.
Walgreen Company. (See Fletcher, Charles, assignor.)
Walinsky, Ossip J. (See Levine, A., and Walinsky.)
Walinsky, Ossip J., New York, N. Y. Traveling case. 1,811,035; June 23.
Walker, Alfred S., New Rochelle, N. Y. Measuring device. 1,829,771; Nov. 3.
Walker, Aron F., Exeter, Mo. Shell cracking and kernel extracting machine. 1,802,294; Apr. 21.
Walker, Arthur W., Malden, Mass., assignor to Walker & Pratt Manufacturing Co., Boston, Mass. Range. Des. 85,217; Sept. 22.
Walker, Brooks, et al. (See Patterson, John, assignor.)
Walker, Buck, et al. (See Gonsett, Robert R., assignor.)
Walker, Charles I., Los Angeles, Calif. Glare shield for eyelenses. 1,811,525; June 23.
Walker, Clinton L., et al. (See Patterson, John, assignor.)
Walker, Clinton L., Piedmont, Calif. Water scoop for locomotives. 1,837,739. Dec. 22.
Walker, Cranford P. (See Baruch, M., De Camp, and Walker.)
Walker, Cranford P., and D. A. Lyons, assignors to Consolidated Steel Corporation, Los Angeles, Calif. Elevator door operator. 1,823,962; Sept. 22.
Walker, Crawford J., assignor to The Protectu Corporation, Indianapolis, Ind. Non-readable carbon paper. 1,829,250; Oct. 27.
Walker Dishwasher Corporation. (See Walker, Forrest A., assignor.)
Walker, Earl C., Chicago, Ill., assignor to International Harvester Company. Lubricating device. 1,819,663; Aug. 18.
Walker, Edward, Grantwood, N. J. Plug cleaner for condenser tubes and the like. 1,837,842; Dec. 22.
Walker, Edward E., assignor to Erie Malleable Iron Company, Erie, Pa. Metal wheel. 1,812,226; June 30.
Walker, Edward E., assignor to Erie Malleable Iron Company, Erie, Pa. Wheel. 1,812,227; June 30.
Walker, Elsie M., Deep River, Iowa. Jar holder. 1,826,486; Oct. 6.
Walker, Ernest A., Newark, assignor to D. Tunick, Newark, and B. M. Reznik, Caldwell, N. J. Chandelier. Des. 84,170; May 12.
Walker, Ernest A., Newark, assignor to D. Tunick, Newark, and B. M. Reznik, Caldwell, N. J. Lighting fixture body or article of analogous nature. Des. 84,171; May 12.
Walker, Ernest A., Newark, assignor to D. Tunick, Newark, and B. M. Reznik, Caldwell, N. J. Wall bracket or article of analogous nature. Des. 84,172; May 12.
Walker, Ernest A., Newark, assignor to D. Tunick, Newark, and B. M. Reznik, Caldwell, N. J. Back-plate for wall brackets or articles of analogous nature. Des. 84,173; May 12.
Walker, Ernest A., assignor to J. Bath, Worcester, Mass. Method and apparatus for making thread chasers. 1,793,727; Feb. 24.
Walker, Ernest A., assignor to J. Bath, Worcester, Mass. Thread gauge. 1,797,934; Mar. 24.
Walker, Ernest A., assignor, by mesne assignments, to J. Bath, Worcester, Mass. Grinding machine. 1,818,288; Aug. 11.
Walker, Ernest A., and H. M. Allison, assignors to J. Bath, Worcester, Mass. Backing off mechanism for grinding machines. 1,835,733; Dec. 8.
Walker, Forrest A., Syracuse, N. Y., assignor to Walker Dishwasher Corporation, Chicago, Ill. Combined mechanical dishwasher and cabinet therefor. 1,825,033; Sept. 29.

Walker, Forrest A., Syracuse, N. Y., assignor to Walker Dishwasher Corporation, Chicago, Ill. Mechanical dishwasher. 1,831,214; Nov. 10.
Walker, Fred I., Newark, N. J. Button edging machine. 1,819,308; Aug. 18.
Walker, George, Newton Center, Mass. Apparatus for reproducing movement. 1,891,048; Feb. 3.
Walker, George, assignor to The Jacobs Brothers Co., Inc., Brooklyn, N. Y. Scale. 1,798,236; Mar. 31.
Walker, George, assignor to The Jacobs Brothers Co., Inc., Brooklyn, N. Y. Scale. 1,807,643; June 2.
Walker, George, assignor to The Jacobs Brothers Co., Inc., Brooklyn, N. Y. Scale. 1,807,644; June 2.
Walker, George, Brooklyn, assignor to The Jacobs Bros. Co., Inc., New York, N. Y. Scale. 1,807,645; June 2.
Walker, George, assignor to The Jacobs Bros. Co. Inc., Brooklyn, N. Y. Scale. 1,814,873; July 14.
Walker, George, assignor to The Jacobs Brothers Co., Inc., Brooklyn, N. Y. Scale. 1,833,626; Nov. 24.
Walker, George C., Wayne, Mich., assignor of one-half to T. M. Lucking, Detroit, Mich. Traffic signal. 1,829,025; Oct. 27.
Walker, Glenn J. (See Knisely, Melvin H., assignor.)
Walker, Godfrey B. (See Barsky, G., and Walker.)
Walker-Gordon Laboratory Company. (See Babbitt, J. B., and Harris, assignors.)
Walker, Green W., Hardin, Mo. Chair. 1,817,863; Aug. 4.
Walker, Guy P., Washington, D. C. Temperature control system for frequency determining elements. 1,831,151; Nov. 10.
Walker, Harold L., assignor to The Jacobs Bros. Co., Inc., Brooklyn, N. Y. Suspension device. 1,789,484; Jan. 20.
Walker, Harold W., Edgewood, Md., and H. S. McQuaid, Lakewood, Ohio. Insecticide. 1,807,078; May 26.
Walker, Harry E., Fairfield, Me. Hydraulic transmission mechanism. 1,789,506; Jan. 20.
Walker, Harry J., assignor to The Lorain Automatic Icer Company, Lorain, Ohio. Sealing means. 1,792,786; Feb. 17.
Walker, Henry E., Portland, Oreg. Ribbon-spacing reel. 1,799,713; Apr. 7.
Walker, Herbert E., Los Angeles, Calif. Battery-post clamp. 1,795,415; Mar. 10.
Walker, Herbert F., assignor to Sargent & Greenleaf, Inc., Rochester, N. Y. Locking mechanism. 1,813,473; July 7.
Walker, Herbert S., Bacolod, Occidental Negros, Philippine Islands. Settling tank. 1,828,794; Oct. 27.
Walker, Herbert Stuart, Birmingham, England. Rotary milling cutter and like tool. 1,836,737; Dec. 15.
Walker, Herbert W. (See Calcott, W. S., and Walker.)
Walker, Hervey S., Ardmore, Pa. Accessory for underfloor duct systems. 1,809,613; June 9.
Walker, Jack E., assignor to Long-Turney Corporation, Los Angeles, Calif. Flush valve. 1,812,388; June 30.
Walker, Jack L., Dallas, Texas. Television and telephoto device. 1,826,970; Oct. 13.
Walker, James A., Rockville Center, N. Y. Expansion bag. 1,791,178; Feb. 3.
Walker, James C. W., St. Louis, Mich. Collapsible chair. 1,795,911; Mar. 10.
Walker, James H. (See Parker, J. W., Crocker, and Walker.)
Walker, Jay P., Tulsa, Okla. Fluid separator. 1,838,507; Dec. 29.
Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Oil and gas separator. Re17,983; Feb. 24.
Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Automatic oil separator. 1,789,612; Jan. 20.
Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Separating baffle for oil and gas separators. 1,789,613; Jan. 20.
Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Oil and gas separator. 1,789,716; Jan. 20.
Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Oil and gas separator baffle. 1,789,717; Jan. 20.
Walker, Jay P., assignor of forty per cent to G. O. Marchant and six per cent to C. G. Wells, Tulsa, Okla. Separating and flowing oil and gas. 1,823,301; Sept. 15.
Walker, Jeffery, Birmingham, England. Ship log. 1,808,697; June 2.
Walker, John, jr., Melrose Park, Pa., assignor to Walker Manufacturing Company, Inc. Heddle frame. 1,821,596; Sept. 1.
Walker, John, jr., Melroe Park, Pa., assignor to Walker Manufacturing Company, Inc. Latch for heddle frames. 1,830,684; Nov. 3.
Walker, John C., El Dorado, Kans., assignor to Empire Oil and Refining Company, Dover, Del. Treating oil-water emulsions. 1,829,205; Oct. 27.
Walker, John C., El Dorado, Kans., assignor to Empire Oil & Refining Company, Dover, Del. Prevention of corrosion in oil wells. 1,829,705; Oct. 27.
Walker, John, & Company. (See Guyatt, George H., assignor.)
Walker, John R. (See Netherland, Edward W., and Walker.)
Walker, John, & Sons Limited. (See Hunt, Sydney, assignor.)
Walker, John V., Fairview, assignor to Titan Tool Company, Erie, Pa. Self-opening tool. 1,807,264; May 26.
Walker, John V., Fairview, assignor to Titan Tool Company, Erie, Pa. Screw driving device. 1,807,265; May 26.
Walker, Joseph R. (See Arcand, E. J., Downey, and Walker.)
Walker, Lawrence D., Pawtucket, R. I., assignor to Collyer Insulated Wire Co. Electric plug. 1,829,692; Oct. 27.
Walker, Lewis D. (See Wanden, O., and Walker.)
Walker Machine & Foundry Corporation. (See Moore, L. F., and Craighill, assignors.)
Walker, Malcolm, Glasgow, assignor to J. Livingstone, Ardbeg, Scotland. Screw press. 1,825,686; Oct. 6.
Walker Manufacturing Company. (See Anderson, E. D., and Dearsley, assignors.)
Walker Manufacturing Company. (See Bate, John W., assignor.)
Walker Manufacturing Company. (See Jakob, Victor, assignor.)
Walker Manufacturing Company. (See Johnson, Alvin L., assignor.)
Walker Manufacturing Company. (See Krenzke, William F., assignor.)
Walker Manufacturing Company. (See Larson, W. E., and Harvey, assignors.)
Walker Manufacturing Company. (See Larson, W. E., and Kohler, assignors.)
Walker Manufacturing Company. (See Mizer, Joseph J., assignor.)
Walker Manufacturing Company. (See Walker, John, jr., assignor.)
Walker Manufacturing Company. (See Walker, Richard A., assignor.)
Walker, Norman, and C. H. Lake, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Radiator dummy core. 1,833,449; Nov. 24.
Walker, O. S., Company. (See Tracy, Howard E., assignor.)
Walker, Paul, Chicago, assignor to Morris Paper Mills, Morris, Ill. Liner and divider for cartons. 1,812,126; June 30.
Walker, Phoebe A., Washington, D. C. Article carrier. 1,797,456; Mar. 24.
Walker & Pratt Mfg. Co. (See Patterson, Ralph J., assignor.)
Walker & Pratt Manufacturing Co. (See Walker, Arthur W., assignor.)
Walker, Richard A., assignor to Walker Manufacturing Company, St. Joseph, Mo. Automatic draft regulator. 1,809,005; June 9.
Walker, Sidney L., Jackson, Mich., assignor to The Knickerbocker Company. Measuring and weighing device for concrete mixers. 1,820,547; Aug. 25.
Walker Signal & Equipment Corporation. (See Walker, William L., assignor.)
Walker, Thomas H., Hollywood, Calif. Turbine engine. 1,792,946; Feb. 17.
Walker, Thomas M., Kerlin, Ark. Slip socket tool joint. 1,815,660; July 21.
Walker-Turner Company. (See Turner, William B., assignor.)
Walker Vehicle Co. (See Dunlap, James E., assignor.)
Walker, Wallace D., assignor to Hookless Fastener Company, Meadville, Pa. Combined stocking protector and overshoe. 1,823,518; Sept. 15.
Walker, Ward C., Battle Creek, Mich. Hose clamp. 1,804,725; May 12.
Walker, Warren R., Great Kills, N. Y., assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Switch mounting. 1,791,944; Feb. 10.
Walker, Warren R., Great Kills, N. Y., assignor to General Electric Vapor Lamp Co., Hoboken, N. J. Liquid-flow switch. 1,791,945; Feb. 10.
Walker, Warren R., Great Kills, N. Y., assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electrode. 1,803,985; May 5.
Walker, Warren R., Great Kills, N. Y., assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric switch. 1,831,936; Nov. 17.
Walker, Warren R., Short Hills, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric liquid flow switch. 1,803,986; May 5.
Walker, Warren R., Short Hills, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Method of and apparatus for making liquid electrode devices. 1,831,935; Nov. 17.
Walker, William L., New York, N. Y., assignor to Walker Signal & Equipment Corporation. Multiple-control switch. 1,796,774; Mar. 17.
Walker, Willis F., Macungie, Pa. Tie, joint and rail fastening combination. 1,814,199; July 14.
Walkup, Bascom L., and W. J. Segler, Mexia, Tex. Device for attaching oil well tubing catchers to oil well tubing. 1,815,425; July 21.
Wall, Earl R., et al. (See McCarty, Madison P., assignor.)
Wall, Eugene W., assignor to Kali Manufacturing Co., Philadelphia, Pa. Sulphonated substances and preparing the same. 1,812,615; June 30.
Wall, John M., Syracuse, assignor to Fox Case Corporation, New York, N. Y. Motion picture machine. 1,834,908; Dec. 1.
Wall, Lucius J., et al. (See Hill, Marion M., assignor.)
Wall, Matthew J. (See Carter, G. O., Aitchison, and Wall.)

Wall, Robert C., Philadelphia, Pa. Windguard for automobiles. 1,821,282; Sept. 1.
Wall, Thomas F., Sheffield, England. Electromagnetic testing of steel wire ropes and other articles of magnetizable material. 1,823,810; Sept. 15.
Wallace, Audley B., et al. (See Marxen, Fred W., assignor.)
Wallace, Benjamin F., Brooklyn, N. Y. Foundry facing and making same. 1,787,964; Jan. 6.
Wallace, Bert, assignor to Kellogg Switchboard and Supply Comany, Chicago, Ill. Telephone system. 1,797,935; Mar. 24.
Wallace, Betty A., et al. (See Denton, James E., assignor.)
Wallace, Charles F. (See Baker, J. C., and Wallace.)
Wallace, Charlton, et al. (See Corey, Percival C., assignor.)
Wallace, Earl K., assignor to Rust Prevention Chemical Company, Pittsburgh, Pa. Composition for treating metals. 1,790,960; Feb. 3.
Wallace, Edwin C., Newton, Mass. Road making and material used therein. 1,788,258; Jan. 6.
Wallace, Edwin C., Newton, Mass. Bituminous paving composition and preparing the same. 1,793,345; Feb. 17.
Wallace, Edwin C., Newton, Mass. Composite paving block. 1,794,220; Feb. 24.
Wallace, Frank, Freeport, N. Y. Antiscalding water-mixing valve. 1,799,266; Apr. 7.
Wallace, Frank R. (See Tabor, L., and Wallace.)
Wallace, Frank R., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Jarring machine. 1,797,182; Mar. 17.
Wallace, Frank R., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. System of electrical distribution for controlling burners. 1,816,451; July 28.
Wallace, George W., San Francisco, Calif., assignor to The S. E. Company. Carbonizing apparatus. 1,804,073; May 5.
Wallace, Halbert C., Kansas City, Mo. Grain cleaner. 1,818,367; Aug. 11.
Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,789,718; Jan. 20.
Wallace, Herbert A., Edwegood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,789,919; Jan. 20.
Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,789,920; Jan. 20.
Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,810,094; June 16.
Wallace, Herbert A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,810,095; June 16.
Wallace, Herbert A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,810,096; June 16.
Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,810,452; June 16.
Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,830,775; Nov. 10.
Wallace, Herbert A., Edgewood borough, assignor to Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,836,945; Dec. 15.
Wallace, J. D. & Company. (See Wallace, J. D., and Landis, assignors.)
Wallace, Jacob H., deceased, San Diego, Calif.; J. M. Wallace, administratrix. Retrieving device for aeroplanes. 1,806,549; May 19.
Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Cleaner and hull extractor. 1,806,032; May 19.
Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. End door lift mechanism. 1,809,537; June 9.
Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Cotton press. 1,810,064; June 16.
Wallace, John A., et al. (See Denton, James E., assignor.)
Wallace, John D. and C. H. Landis, assignors to J. D. Wallace & Company, Chicago, Ill. Electric handsaw. 1,792,204; Feb. 10.
Wallace, Joseph, Cedarhurst, N. Y. Fountain pen. 1,824,249; Sept. 22.
Wallace, Julia M., administratrix. (See Wallace, Jacob H.)
Wallace, Lee S., Holt, Ala. Excavating bucket. 1,817,595; Aug. 4.
Wallace, Lilla B., administratrix. (See Wallace, William W., assignor.)
Wallace, Marcel, St. George, assignor of one-third to E. L. Corbett, Bronx County, N. Y. Beam network system. 1,802,688; Apr. 28.
Wallace, Nathan, Brooklyn, N. Y. Fur fastener. 1,835,681; Dec. 8.
Wallace, R., & Sons Mfg. Co. (See Griswold, Darwin G., assignor.)
Wallace, R., & Sons Manufacturing Company. (See Warren, William S., assignor.)
Wallace, Sadye E., San Francisco, Calif. Fountain shaving brush. 1,837,802; Dec. 22.
Wallace, Samuel A., Woodbury Heights, N. J. Electric grass cutter. 1,799,714; Apr. 7.
Wallace, Samuel P. (See Johnson, Henry J., M. W., and Wallace.)
Wallace & Tiernan Company. (See Peet, Gerald D., assignor.)
Wallace & Tiernan Products, Inc. (See Baker, John C., assignor.)
Wallace, Warren W. (See Smith, N. C., and Wallace.)
Wallace, William H., Detroit, Mich., assignor, by mesne assignments, to Eaton Axle & Spring Company, Cleveland, Ohio. Spring. 1,826,108; Oct. 6.
Wallace, William M., jr. (See Taylor, R. T., and Wallace.)
Wallace, William S., et al, trustees. (See Degand, Gust.)
Wallace, William W., deceased, by New York Brick Handling Corporation, assignee, New York, N. Y. Dumping fork. Re18,309; Dec. 29.
Wallace, William W., Chicago, Ill. Brick-handling machine. 1,800,971; Apr. 14.
Wallace, William W., Chicago, Ill., deceased; Lilla B. Wallace, administratrix. Brick setter. 1,820,332; Aug. 25.
Walle, Leroy, Macomb, Ill. Electric heater for washing machines. 1,820,514; Aug. 25.
Walle, Ludvig S., Lansdowne, Pa., assignor to General Electric Company. Electric circuit breaker. 1,806,322; May 19.
Walle, Ludwig S., Lansdowne, Pa., assignor to General Electric Company. Electric switch operating mechanism. 1,818,832; Aug. 11.
Wallen, Robert, Tampa, Fla. Lawn trimmer. 1,800,166; Apr. 7.
Wallenberg, Richard S., Buffalo, N. Y. Fuel economizer. 1,799,074; Mar. 31.
Wallene, Frank O., Lakewood, Ohio. Air purge for water heaters. 1,799,715; Apr. 7.
Wallene, Frank O., Lakewood, Ohio. Power control system. 1,822,071; Sept. 8.
Waller, Anthony E., Providence, R. I. Finding for clasps. 1,801,128; Apr. 14.
Waller, Anthony E., Providence, R. I. Finding. 1,836,142; Dec. 15.
Waller, Carl R., assignor to De Laval Steam Turbine Company, Trenton, N. J. Control for blowers. 1,837,382; Dec. 22.
Waller, Charles W., Chicago, Ill. Flying machine. 1,833,142; Nov. 24.
Waller, Einar, assignor to General Motors Corporation, Detroit, Mich. Exhaust manifold. 1,796,132; Mar. 10.
Waller, Fred, Huntington, N. Y. Water craft. 1,835,618; Dec. 8.
Waller, Fred, Huntington, N. Y., assignor, by mesne assignments, to Paramount Publix Corporation. Producing motion pictures. 1,815,455; July 21.
Wallerich, George W., assignor to V. Mueller & Co., Chicago, Ill. Hot water bottle. 1,837,383; Dec. 22.
Wallerstedt, Charles, St. Louis, Mo. Billfold. 1,818,368; Aug. 11.
Wallerstein Company. (See Wallerstein, Leo, assignor.)
Wallerstein, Leo, assignor to Wallerstein Company, Inc., New York, N. Y. Preserving enzyme solutions. 1,820,957; Sept. 1.
Wallfisch, Ludwig, Hirschberg, Germany. Wedge shaped driving belt. 1,805,442; May 12.
Wallin, Johan H., Bengtsfors, Sweden. Process of and apparatus for treating fibrous materials for pulping purposes. 1,820,994; Sept. 1.
Wallin, Oscar H., Limhamn, Sweden. Catalytic heating device for internal-combustion engines. 1,792,337; Feb. 10.
Walling, George C., assignor to Walling's Syndicated Services, Inc., Washington, D. C. Toy money bank. Des. 85,268; Sept. 29.
Walling, Leon W. (See Skvorecz, Rudolf, assignor.)
Walling & Walling. (See King, John P., assignor.)
Wallingford Company. (See Church, Benjamin, jr., assignor.)
Walling's Syndicated Services. (See Walling, George C., assignor.)
Wallis, Barnes N., Weybridge, England. Apparatus for turning inclined surfaces. 1,805,964; May 19.
Wallis, Barnes N., Weybridge, Surrey, England. Structure of wings for aircraft. 1,833,696; Nov. 24.
Wallis, Lonnie A., Joplin, Mo. Terminal clamp. 1,808,698; June 2.
Wallis, Zella, assignor to Wm. H. Molter Company, Chicago, Ill. Sewing box. Des. 85,898; Dec. 29.
Wallisch, Lawrence A., and B. U. Hill, Pittsburgh, Pa. Jointer and attachment therefor. 1,791,335; Feb. 3.
Walliser, Robert E., Chicago, Ill. Fringe tassel and of making same. Re18,250; Nov. 17.
Wallman, Anders F., and C. D. Goff, Flushing, N. Y. Streamline boat or pontoon. 1,797,252; Mar. 24.
Wallrab, Charles S. (See Hook, L. H., Evans and Wallrab.)
Wallraff, Walter H., St. Paul, Minn. Airplane pontoon. 1,817,047; Aug. 4.
Walls, Thomas J., Waynesville, N. C. Service tray. Des. 85,899; Dec. 29.
Walmsley, William H., Los Angeles, Calif. Bottle capping machine. 1,801,381; Apr. 21.
Walp, Charles F., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Skid. 1,803,416; May 5.

Walper, Edward, Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,801,826; Apr. 21.
Walper, Gordon R., Royal Oak, Mich. Wall plaster. 1,803,445; May 5.
Walrath, Herbert R., Meadville, Pa., assignor to Hookless Fastener Company. Receptacle fastener. 1,819,349; Aug. 18.
Walrath, Herbert R., Meadville, Pa., assignor to Hookless Fastener Company. Lock-controlled receptacle and improved fastener therefor. 1,819,449; Aug. 18.
Walrath, Otis M., Ashtabula, Ohio. Controlling automatic signaling and safety device systems. 1,798,992; Mar. 31.
Walrus Manufacturing Company. (See Gray, Leonard G., assignor.)
Walser, Therese, assignor to Forest City Manufacturing Company, St. Louis, Mo. Apparel garment. 1,799,336; Apr. 7.
Walsh, Amy M. (See Walsh, C. C. and A. M.)
Walsh, Austin E. (See Vandeveer, Perry, assignor.)
Walsh-Bugbee Co. (See Roane, Robert R., assignor.)
Walsh, Carlin A., Cambridge, Mass. Artificial tooth. 1,794,128; Feb. 24.
Walsh, Carlin A., Cambridge, Mass. Artificial teeth and making same. 1,794,129; Feb. 24.
Walsh, Charles C. and A. M., Grosse Pointe Park, Mich.; said Amy M. Walsh assignor to said Charles C. Walsh. Cooling unit. 1,830,305; Nov. 3.
Walsh, Edward. (See Soule, J., Tiefa, and Walsh.)
Walsh, Edward W., et al. (See Bongiovanni, A., and Papotto, assignors.)
Walsh, Frank T., assignor to Leboeuf Fountain Pen Co., Inc., Springfield, Mass. Fountain pen. 1,804,522; May 12.
Walsh, Frank W., Vancouver, British Columbia, Canada. Brake equalizer. 1,812,184; June 30.
Walsh, James A., Indianapolis, Ind., assignor to J. I. Case Company, Racine, Wis. Harvester. 1,794,658; Mar. 3.
Walsh, James F., East Orange, and A. F. Caprio, Newark, N. J., assignors to Celluloid Corporation. Uniting articles. 1,835,619; Dec. 8.
Walsh, James F., East Orange, and T. E. Alcorn, Maplewood, N. J., assignors to Celluloid Corporation. Plastic film or sheet containing cellulose nitrate. 1,836,946; Dec. 15.
Walsh, James O., New York, N. Y. Fruit ripening apparatus. 1,829,951; Nov. 3.
Walsh, Michael J. (See Curtis, T. S., and Walsh.)
Walsh, Michael J. (See Thornley, F. C., and Walsh.)
Walsh, Michael J., San Diego, assignor, by mesne assignments, to Keloo Company, Los Angeles, Calif. Alginate in finely divided form derived by spray-drying dilute solutions thereof. 1,814,986; July 14.
Walsh, Nicholas J., assignor to Weber Electric Company, Schenectady, N. Y. Switch cover. Des. 85,139; Sept. 15.
Walsh, Thomas A., Jr., New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,838,646; Dec. 29.
Walsh, Thomas J., Mount Vernon, N. Y. Load indicator for spring vehicles. 1,787,884; Jan. 6.
Walsh & Weidner Boiler Co., The. (See Weigel, Carl F., assignor.)
Walshe, Robert J., assignor to L. Greif & Bro. Inc., Baltimore, Md. Armhole for coats. 1,830,147; Nov. 3.
Walsleben, Fred. (See Klein, F., and Walsleben.)
Walsleben, Fred, Rockville Center, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,819,215; Aug. 18.
Walsmith, Frank D. (See Goad, L. C., and Walsmith.)
Walsoe, Sigurd L., Springdale, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,803,517; May 5.
Walsoe, Sigurd L., Springdale, Conn., and L. J. Betz, Astoria, N. Y., assignors to Remington Typewriter Company, Ilion, N. Y. Computing machine. 1,837,599; Dec. 22.
Walston, Josiah D., Brainerd, Minn., assignor to Black Diamond Paint Company, Minneapolis, Minn. Composition roof paint. 1,791,455; Feb. 3.
Walstrom, Axel M., Minneapolis, Minn., assignor to Elgin Butter Tub Company, Elgin, Ill. Fastener for container covers. 1,834,660; Dec. 1.
Waltemate, Herman, assignor of one-half to L. M. Chartrand, East St. Louis, Ill. Combination railway-track clamp. 1,790,889; Feb. 3.
Walter, Arthur, Liverpool N. Y. Combination chair and bed. 1,809,226; June 9.
Walter, B., & Co. (See Walter, Frederick B., assignor.)
Walter, Charles T. (See McKee, H. H., and Walter.)
Butter Tub Company, Elgin, Ill. Fastener for container covers. 1,834,660; Dec. 1.
Walter, Edward C., Orange, N. J., assignor to Elliott-Fisher Company. Writing-computing machine. 1,801,470; Apr. 21.
Walter, Edward C., assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 1,805,060; May 12.
Walter, Edward C., assignor to Monroe Calculating Machine Company, Orange, N. J. Register. 1,805,061; May 12.
Walter Ernest, Newark, N. J. Making porous cement. 1,829,381; Oct. 27.
Walter, Frederick B., assignor to B. Walter & Co., Wabash, Ind. Table lock. 1,800,172; Apr. 7.
Walter, Frederick B., assignor to B. Walter & Company, Inc., Wabash, Ind. Hinge. 1,810,508; June 16.
Walter, George A., Ithaca, N. Y. Apparatus for dissolving solids. 1,807,263; May 26.
Walter, Harrison B., assignor to Container Corporation of America, Chicago, Ill. Container. 1,816,706; July 28.
Walter, Harrison B., assignor to Container Corporation of America, Chicago, Ill. Shipping container. 1,830,495; Nov. 3.
Walter, Harrison B., assignor to Container Corporation of America, Chicago, Ill. Securing means for closures. 1,837,602; Dec. 22.
Walter, Henry L., assignor of one-half to H. S. De Witt, Twin Falls, Idaho. Hemoglobinometer. 1,826,849; Oct. 13.
Walter, Joseph, Calumet City, Ill., assignor to Frank S. Betz Company, Hammond, Ind. Nursery bed. 1,787,805; Jan. 6.
Walter, Joseph, Calumet City, Ill., assignor to Frank S. Betz Company, Hammond, Ind. Bedside table. 1,802,362; Apr. 28.
Walter, Joseph, Calumet City, Ill., assignor to Frank S. Betz Company, Hammond, Ind. Drawer support and guide. 1,820,548; Aug. 25.
Walter, Joseph H., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Agitator for stokers. 1,812,911; July 7.
Walter, Maurice, New York, N. Y. Lifting mechanism for snowplows for motor vehicles. 1,824,849; Sept. 29.
Walter, Nicholas D., Philadelphia, Pa. Garment. 1,798,008; Mar. 24.
Walter, Otto, Perrysville, Ind. Tile cutting machine. 1,824,000; Sept. 22.
Walter, Raymond A., New York, N. Y. Driving mechanism. 1,820,852; Aug. 25.
Walter, Raymond A., assignor to Conveyor Sales Company, New York, N. Y. Making conveyer rollers. 1,798,347; Mar. 31.
Walter, Raymond A., assignor to Conveyor Sales Company, New York, N. Y. Driving mechanism. 1,804,577; May 12.
Walter, Raymond A., assignor to Conveyor Sales Company, New York, N. Y. Driving mechanism for reciprocating conveyers. 1,804,578; May 12.
Walter, Raymond A., assignor to Conveyor Sales Company, New York, N. Y. Carrier support for reciprocating conveyers. 1,807,110; May 26.
Walter, Raymond A., assignor to Conveyer Sales Company, New York, N. Y. Trough connection for reciprocating conveyers. 1,810,804; June 16.
Walter, Richard R., Nuremberg, Germany. Producing homogeneous metalliform carbonitrides and for superficial nitrification of tungsten. 1,803,276; Apr. 28.
Walter, Richard R., Nuremberg, Germany. Metal composition. 1,803,882; May 5.
Walter, Richard R., Starnberg, Germany. Alloy. 1,811,068; June 23.
Walter, Robert. (See Prill, A., and Walter.)
Walter, Wilhelm, Cologne-Niehl, and L. Lock, Dormagen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing cellulose nitroacetate. 1,819,397; Aug. 18.
Walter, William H., Cynwyd, Pa. Electrode holder. 1,809,656; June 9.
Walters, Arthur B., Kansas City, Mo., assignor to Western Tool & Equipment Company. Ice storage and discharge apparatus. 1,823,220; Sept. 15.
Walters, Arthur B., Kansas City, Mo., assignor to Western Tool & Equipment Company. Adjustable level. 1,830,009; Nov. 3.
Walters, August J., Maple Heights, and N. B. Smith, Cleveland, Ohio. Automatic train-order deliverer to moving trains. 1,787,885; Jan. 6.
Walters, Charles L. (See Rockwell, G. G., and Walters.)
Walters, Cyril E., Chicago, Ill., assignor, by mesne assignments, to Utah Radio Products Company. Stator for reversible induction motors. 1,838,122; Dec. 29.
Walters, E. S., et al. (See Laveque, Mose, assignor.)
Walters, Frank E., Chicago, Ill. Key pressure gauge. 1,825,491; Sept. 29.
Walters, Frederick C., Eugene, Oreg. Go-around sawmill. 1,816,270; July 28.
Walters, Herbert C. (See Chryst, W. A., and Walters.)
Walters, Horace. (See Byson, John P., assignor.)
Walters, Horace, Center Township, Calhoun County, Iowa. Wheel scraping attachment for tractors. 1,829,172; Oct. 27.
Walters, Hugo G. (See Colvin, I. E., Manison, and Walters.)
Walters, Jesse H., Hebron, Ohio. Stock rack for vehicles. 1,828,551; Oct. 20.
Walters, John W., Los Angeles, Calif. Pencil pocket for coats. 1,795,912; Mar. 10.
Walters, Joseph C., Philadelphia, Pa., assignor to Standard Brands Incorporated, New York, N. Y. Bag or similar article. Des. 84,965; Aug. 25.
Walters, Robert S. (See Meyer, Fritz W., assignor.)
Walters, Vernon E., Detroit, and I. Grant, Grosse Pointe Park, assignors to General Motors Corporation, Detroit, Mich. Clamping device. 1,805,443; May 12.
Walters, William F., Minneapolis, Minn. Insulator for crank cases and oil pans. 1,788,605; Jan. 13.

Walther, George, near Dayton, Ohio, assignor to The Dayton Steel Foundry Company. Metal wheel. 1,809,655; June 9.
Walther, George, near Dayton, Ohio, assignor to The Dayton Steel Foundry Company. Metal wheel. 1,837,694; Dec. 22.
Walther, Heinrich, Frankfort-on-the-Main-Oberrad, Germany. Machine for the manufacture of glued shoes. 1,828,265; Oct. 20.
Walther, Wilhelm, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Magneto-electric ignition apparatus. 1,798,571; Mar. 31.
Walthers, Harry B., Chicago, Ill. Aisle light. 1,793,200; Feb. 17.
Walthers, Harry S., assignor to Yates-American Machine Company, Beloit, Wis. Circular cutter mounting. 1,802,992; Apr. 28.
Walthers, Harry S., assignor to Yates-American Machine Company, Beloit, Wis. Cutter head. 1,807,185; May 26.
Walthers, Harry S., and V. E. Martin, assignors to Yates-American Machine Company, Beloit, Wis. Cutter head. 1,792,205; Feb. 10.
Walthers, Harry S., and V. E. Martin, assignors to Yates-American Machine Company, Beloit, Wis. Cutter head. 1,803,741; May 5.
Waltman, Emmett. (See Crutcher, E. R., Waltman, and Woolf.)
Waltman, Johannes M., The Hague, and J. F. Sirks, Voorschoten, Netherlands. Device for measuring the speed of vehicles. 1,803,224; Apr. 28.
Waltman, Harrison B. (See Graybill, William J., assignor.)
Waltner, Albert, New Hyde Park, N. Y. Animal trap. 1,802,363; Apr. 28.
Walton, Cecil, Apple Springs, and T. P. Walton, Groveton, Tex. Rail coupling. 1,787,886; Jan. 6.
Walton, Charles D. (See Crooks, W. E., and Walton.)
Walton, Frank W., East Orange, N. J., assignor to Westinghouse Lamp Company. Electrical device. 1,813,593; July 7.
Walton, Frank W., East Orange, N. J., assignor to Westinghouse Lamp Company. Mandrelless multiple die coil winging machine. 1,816,880; Aug. 4.
Walton, George L., Hanford, Calif. Automobile shade. 1,799,267; Apr. 7.
Walton, John Q., Washington, D. C., assignor to Westinghouse Electric and Manufacturing Company. Marine pumping system. 1,806,725; May 26.
Walton, John W., Rockdale, assignor to Tennessee Products Corporation, Nashville, Tenn. Manufacturing commercial products from phosphatic material. 1,803,417; May 5.
Walton, Kenneth B., Atlantic City, N. J. Annunciator system. 1,804,902; May 12.
Walton, Oliver H., Needham Heights, Mass. Surgical stocking. 1,823,178; Sept. 15.
Walton, Thomas P. (See Walton, Cecil and T. P.)
Walts, Gordon R., New Albany, Ind. Gauge for sheet metal punching machines. 1,825,563; Sept. 29.
Walty, Werner, Ennetbaden, assignor to Aktiengesellschaft, Brown Boveri & Cie, Baden, Switzerland. Automatic reclosing circuit-breaker system. 1,796,817; Mar. 17.
Walty, Werner, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Automatic switch. 1,822,255; Sept. 8.
Waltz, Anton F., Brooklyn, N. Y., assignor to Koscherak Siphon Bottle Works, Hoboken, N. J. Terminal connecter. 1,808,330; June 2.
Walus, Andrew, Brooklyn, N. Y. Swimming belt. 1,833,697; Nov. 24.
Walworth, Arthur C. (See Palson, William C., assignor.)
Walworth, Arthur C., Newton, Mass. Method of and apparatus for freezing fish. 1,836,097; Dec. 15.
Walworth, Arthur C., Newton, Mass., assignor to The Vulcan Radiator Company, Hartford, Conn. Assembling radiator elements. 1,818,592; Aug. 11.
Walworth, Arthur C., Newton, Mass., assignor to The Vulcan Radiator Company, Hartford, Conn. Apparatus for assembling radiator elements. 1,818,593; Aug. 11.
Walz, Frederick, Burnside, Conn. Adjustable wrench. 1,792,338; Feb. 10.
Wambsgans, William H., assignor to Joint Manfg. Co., Peoria, Ill. Knee-joint for artificial limbs. 1,829,551; Oct. 27.
Wammack, Andrew R., Brentwood Heights, Calif. Mechanism for rendering spotlights dirigible. 1,797,598; Mar. 24.
Wampach, Frank J. (See Wampach, Joseph J., assignor.)
Wampach, Joseph J., St. Paul, assignor of one-half to F. J. Wampach, Jordan, Minn. Parachute. 1,805,894; May 19.
Wamser, Charles J., Milwaukee, Wis. Luminescent tube. 1,824,452; Sept. 22.
Wamser, Charles J., Milwaukee, Wis. Illuminated character for electric signs. 1,830,414; Nov. 3.
Wanamaker, Ernest, Chicago, Ill., assignor to U. S. Oil and Service Corporation, New York, N. Y. Prolonging the life of car-lighting-generator belts. 1,789,571; Jan. 20.
Wanamaker, Ernest, assignor to Kulp Theftproof Lamp Company, Chicago, Ill. Locking means for electrical apparatus. 1,794,876; Mar. 3.
Wanamaker, Ernest, assignor to Kulp Theftproof Lamp Company, Chicago, Ill. Theftproof-lamp construction. 1,794,877; Mar. 3.
Wanamaker, Harry F., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Movable platform for stocking drying machines. 1,833,803; Nov. 24.
Wanamaker, John, Philadelphia. (See Thompson, John W., assignor.)
Wandel, Kurt, New York, N. Y., assignor to National Cellulose Corporation. Tissue pad. 1,820,259; Aug. 25.
Wandel, Kurt, New York, N. Y., assignor to National Cellulose Corporation. Machine for making absorbent pads. 1,825,492; Sept. 29.
Wandeler, Josef, Lucern, Switzerland. Frame for holding boots especially snowshoes. 1,810,308; June 16.
Wanden, Oscar, and L. D. Walker, Milwaukee, Wis. Trousers press. 1,821,597; Sept. 1.
Wander, Frederick, jr., New York, N. Y. Adjustable rotor for aeroplanes and helicopter rotors. 1,810,584; June 16.
Wander, Frederick, jr., New York, N. Y. Rotary wing for aeroplanes. 1,825,493; Sept. 29.
Wander, Frederick, jr., New York, N. Y. Autohelirotor. 1,834,558; Dec. 1.
Wander, Frederick, jr., New York, N. Y. Rotary wing for aeroplanes. 1,839,005; Dec. 29.
Wander, Heinrich, Gablons-on-the-Neisse, Czechoslovakia. Necklace. 1,799,187; Apr. 7.
Wanderer-Werke, vorm. Winklhofer & Jaenicke A. G. (See Rauh, Hermann A., assignor.)
Wandscheer, Dan, Dubuque, Iowa. Snow removing apparatus. 1,837,087; Dec. 15.
Waneck, Henry. (See Hemmer, P. J., and Waneck.)
Waner, Harry E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire building apparatus. 1,834,559; Dec. 1.
Wangelin, Walter H., St. Louis, Mo. Sand slinging apparatus. 1,803,575; May 5.
Wangen, Harold P. (See Lee, Oscar, assignor.)
Wanick, Earl E., Youngstown, Ohio, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Device for testing bevel gears. 1,795,356; Mar. 10.
Wantz, Carl W., Los Angeles, Calif. Bed or cot. 1,823,013; Sept. 15.
Wantz, Edward N., Oak Park, Ill., assignor to General Electric X-Ray Corporation. Casing for uviarc lamps. 1,838,508; Dec. 29.
Wantz, Julius B., Oak Park, assignor to General Electric X-Ray Corporation, Chicago, Ill. Cassette holder. 1,788,178; Jan. 6.
Wantz, Julius B., Oak Park, assignor to General Electric X-Ray Corporation, Chicago, Ill. X-ray tube. 1,805,503; May 19.
Wantz, Julius B., Oak Park, and J. J. Grobe, assignors to General Electric X-Ray Corporation, Chicago, Ill. Tube holder. 1,828,092; Oct. 20.
Wanzenberg, Werner W., Evanston, Ill. Shower bath. 1,835,734; Dec. 8.
Wappat, Fred W., Pittsburgh, Pa., assignor to Wappat, Incorporated. Electric handsaw. 1,830,579; Nov. 3.
Wappat, Fred W., Pittsburgh, Pa., assignor to Wappat, Incorporated. Electric handsaw. 1,830,580; Nov. 3.
Wappat, Incorporated. (See Wappat, Fred W., assignor.)
Wappler Electric Company. (See Mutscheller, Arthur, assignor.)
Wappler Electric Company. (See Wappler, Frederick H., assignor.)
Wappler Electric Company. (See Wappler, F. H., and Fayer, assignors.)
Wappler, Frederick C., New York, N. Y. High-frequency surgical cutting device. 1,787,709; Jan. 6.
Wappler, Frederick H., Flushing, L. I., N. Y., assignor to Wappler Electric Company, Inc. High tension switch. 1,809,366; June 9.
Wappler, Frederick H., and C. Fayer, Flushing, N. Y., assignors to Wappler Electric Company, Inc. X-ray machine. 1,797,303; Mar. 24.
Waraksa, Peter J., El Paso, Tex. Windshield visor. 1,805,346; May 12.
Warburton, Frank D., Cleveland, assignor of one-fourth to R. O. Bartholomew, Cleveland Heights, and one-fourth to D. Brophy, Lakewood, Ohio. Shock absorber. 1,803,287; Apr. 28.
Ward, Andrew A., assignor of one-fourth to T. E. Fullmer, Oakland, Calif. Poultry drinking fountain. 1,798,769; Mar. 31.
Ward, Andrew W., assignor of one-fourth to Edward G. Green, and one-eighth to Robert L. Shute, Charleston, W. Va. Roller bearing. 1,790,334; Jan. 27.
Ward, Artemas, Inc. (See Giles, Harvey, assignor.)
Ward Baking Company. (See Reeder, John, assignor.)
Ward, Berry A. (See Ward, John W., and B. A.)
Ward, Charles, Stratford, and T. G. Hassall, Stockport, England; said Ward assignor to said Hassall. Cam-driven gear for reciprocating-piston engines. 1,788,259; Jan. 6.
Ward & Crosby. (See Hicks, Raymond M., assignor.)
Ward, David H., Seattle, Wash. Display apparatus. 1,813,332; July 7.
Ward, Douglas, Glendale, Calif. Life saving device. 1,822,120; Sept. 8.
Ward, Ernest A., Higginsville, Mo. Spray gun and cleaning means therefor. 1,816,555; July 28.
Ward, F. Hugh, Rockford, Ill. Game. 1,797,742; Mar. 24.

Ward, George B., Bristol, Conn. Testing metal or metallic parts. 1,831,783; Nov. 10.
Ward, Howard E., Independence, Mo. Expansion joint for bridges and the like. 1,799,574; Apr. 7.
Ward, Hugh H., Chester, Pa. Metallic receptacle. 1,808,483; June 2.
Ward, Hugh H., Chester, Pa. Metallic receptacle. 1,808,484; June 2.
Ward, Humphrey R., Boston, Mass., assignor to The Warner & Swasey Company, Cleveland, Ohio. Chuck. 1,819,802; Aug. 18.
Ward, James N. (See Vandagriff, John R., assignor.)
Ward, James T., Los Angeles, Calif. Brake adjustment 1,802,797; Apr. 28.
Ward, John, Blackburn, England. Constant-mesh variable-speed gear. 1,795,981; Mar. 10.
Ward, John P., Cleveland, R. E. Hyde, Cleveland Heights, and H. J. Green, Cleveland, Ohio. Locking mechanism for freight-car doors. 1,797,384; Mar. 24.
Ward, John W., Akron, Ohio. Restaurant unit. 1,794,745; Mar. 3.
Ward, John W., and B. A., Millerburg, Mo. Garage door opening and closing device. 1,835,735; Dec. 8.
Ward, Joseph M. (See Crane, F. G., and Ward.)
Ward, Lawrence T., assignor to Kane Manufacturing Company, Kane, Pa. Venetial blind. 1,806,228; May 19.
Ward, Lawrence T., assignor to Kane Manufacturing Company, Kane, Pa. Closure for windows. 1,813,474; July 7.
Ward, Lawrence T., assignor to Kane Manufacturing Company, Kane, Pa. Screen and like devices. 1,813,475; July 7.
Ward, Lawrence T., assignor to David Lupton's Sons Company, Philadelphia, Pa. Radiator mounting. 1,817,889; Aug. 4.
Ward Leonard Electric Company. (See Kebler, Leonard, assignor.)
Ward Leonard Electric Company. (See Kouyoumjian, Haroutiun K., assignor.)
Ward, Leonard, Electric Company. (See Osgood, Victor L., assignor.)
Ward Leonard Electric Company. (See Terwilliger, Charles O., assignor.)
Ward, Louis E., assignor to The Dow Chemical Company, Midland, Mich. Electrolytic cell curtain. 1,828,004; Oct. 20.
Ward, Louis E., Midland, Mich., assignor to The Dow Chemical Company. Curtain for electrolytic cells. 1,828,005; Oct. 20.
Ward, Louis E., assignor to The Dow Chemical Company, Midland, Mich. Curtain for electrolytic cells. 1,828,006; Oct. 20.
Ward, Louise P., St. Paul, Minn. Amusement device. 1,831,757; Nov. 10.
Ward, Montague W., Erie, Pa., assignor to General Electric Company. Caustic bath. 1,829,693; Oct. 27.
Ward Motor Vehicle Company. (See Froelich, Oscar E. H., assignor.)
Ward, Neil C., Chicago, Ill. Condenser. 1,798,287; Mar. 31.
Ward, Nicholas A., Auburn, Wash. Stake sharpener. 1,806,656; May 26.
Ward, Patrick C., Homeville, Pa. Control system. 1,819,489; Aug. 18.
Ward, Ralph B., Los Angeles, Calif. Battery-clamp terminal. 1,794,812; Mar. 3.
Ward, Robert J., Elvaston, England. Mirror. 1,817,401; Aug. 4.
Ward, Seymour P., Oakland, assignor to Calrew Incorporated, San Francisco, Calif. Resilient connection. 1,813,214; July 7.
Ward, Thomas A., North Arlington, N. J. Clamping band device for pouring pipe joints. 1,832,067; Nov. 17.
Ward, Thomas D., New Albany, Ind. Aeroplane. 1,833,600; Nov. 24.
Ward, Valley L., Frederick, Md. Dual-pressure pump. 1,793,978; Feb. 24.
Ward, Walter L., assignor of one-half to G. J. Rogers, Wheeling, W. Va. Train-announcing apparatus. 1,795,458; Mar. 10.
Ward, Walter L., assignor of one-half to G. J. Rogers, Wheeling, W. Va. Train-announcing apparatus. 1,795,748; Mar. 10.
Ward, William E., Delmar, Iowa. Fence. 1,801,890; Apr. 21.
Ward, William E., Delmar, Iowa. Fence connection. 1,808,272; June 2.
Ward, William L., assignor to Russell, Burdsall, & Ward Bolt and Nut Company, Port Chester, N. Y. Manufacture of nut blanks. 1,804,579; May 12.
Ward, William R., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Cable connecter. 1,824,850; Sept. 29.
Ward, Willis C., Orchard Lake, Mich. Airship. 1,806,135; May 19.
Warde, Edgar D., Arlington, N. J. Automobile brake. 1,834,362; Dec. 1.
Wardell, Fred, assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Detachable handle construction for vacuum cleaners and the like. 1,836,348; Dec. 15.
Wardell, William, Los Angeles, Calif., assignor, by mesne assignments, to Dragon Fly Aero Corporation, Ltd. Vertically raising and lowering aeroplanes. 1,816,707; July 28.
Warden, Herbert W., jr. (See Ziegler, R. M., Pardee, and Warden.)
Warden-Stevens, Frederic J., London, England. Apparatus for drying, heating, or cooling. 1,787,878; Jan. 6.
Wardle, John, Vickerstown, Barrow-on-Furness, assignor to Vickers-Armstrong Limited, Westminster, England. Telemotor operated liquid discharge and admission valve. 1,813,976; July 14.
Wardley, George P., and M. J. Butler, Joliet, Ill. Coke quenching apparatus. 1,837,740; Dec. 22.
Wardley, Thomas, Greenford, England, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for annealing glassware. 1,820,260; Aug. 25.
Wardley, Timothy C., assignor to T. E. Bissell Company Limited, Elora, Ontario, Canada. Disk harrow. 1,827,920; Oct. 20.
Wardman, Harry, Washington, D. C. Ice cube forming assembly. 1,802,190; Apr. 21.
Wardrop, Grover O., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling alley. 1,800,809; Apr. 14.
Wardrop, Grover O., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Co., Chicago, Ill. Kickback for bowling alleys. 1,815,686; July 21.
Wardwell, Edward H. (See Edgar, Joseph C., assignor.)
Wardwell, Joseph B., Stamford, Conn. Headlight. 1,818,875; Aug. 11.
Ware, Lydia J., executrix. (See Ware, William F.)
Ware, Robert C., assignor, by mesne assignments, to Attractor, Inc., Minneapolis, Minn. Display frame. 1,837,348; Dec. 22.
Ware, Robert R., assignor to Chicago Roller Skate Company, Chicago, Ill. Roller. 1,790,295; Jan. 27.
Ware, William F., deceased, Bridgeton, N. J.; Lydia J. Ware executrix. Rotary lawn sprinkler. 1,791,294; Feb. 3.
Waream, Charles E., and G. W. Johnson, assignors to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine. 1,796,640; Mar. 17.
Warek, Michael J., Plains, Pa. Automatic poultry feeding device. 1,804,239; May 5.
Warford Corporation, The. (See Utz, John G., assignor.)
Warga Industries, Inc. (See Warga, Kalman, assignor.)
Warga, Kalman, assignor to Warga Industries, Inc., New York, N. Y. Making imitation leaded glass. 1,800,763; Apr. 14.
Warhus, Oliver F., Albany, N. Y., assignor to Versare Corporation. Building unit. 1,799,337; Apr. 7.
Warhus, Oliver F., Albany, N. Y., assignor to Versare Corporation. Road vehicle. 1,806,771; May 26.
Waring, Edward H., Essex Fells, assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Shaft bearing. 1,827,409; Oct. 13.
Waring, Horace, Liverpool, assignor to Associated Lead Manufacturers Limited, London, England. Apparatus for separating suspended matter from fluids. 1,797,812; Mar. 24.
Waring, Robert K. (See Cyr, Howard M., and Waring.)
Warley, Milan, assignor of one half to M. J. Galovac, Zagreb, Yugoslavia. Carburetor. 1,793,148; Feb. 17.
Warmisham, Arthur, assignor to Kapella Limited, Leicester, England. Photographic and projection objective. 1,797,202; Mar. 17.
Warner, Albert C. (See Cadman, A. B., and Warner.)
Warner, Arthur P., and A. B. Cadman, Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Vehicle brake. 1,837,384; Dec. 22.
Warner Bros. Pictures, Inc. (See Tondreau, Albert, assignor.)
Warner, Clarence, and H. G. Fisher, assignors to Delco-Light Company, Dayton, Ohio. Pump. 1,813,104; July 7.
Warner, Clarence W. (See Burns, R. M., and Warner.)
Warner Corporation, The. (See Collins, John L., assignor.)
Warner, Donald F., Lynn, Mass., assignor to General Electric Company. Emergency governor. 1,810,633; June 16.
Warner, Douglas K., Bristol, Conn. Air cushion boat. 1,819,216; Aug. 18.
Warner, Edgar, assignor to The National Cash Register Company, Dayton, Ohio. Screw machine. 1,805,746; May 19.
Warner, Edgar T., assignor, by mesne assignments, to Automatic Coal Burner Co., Seattle, Wash. Coke breaker for coal stokers. 1,825,432; Sept. 29.
Warner Electric Brake Corporation. (See Cadman, A. B., and Warner, assignors.)
Warner Electric Brake Corporation. (See Warner, A. P., and Cadman, assignors.)
Warner Electric Brake Corporation. (See Whyte, John, assignor.)
Warner Elevator Manufacturing Company, The. (See Brown, Alfred T., assignor.)
Warner, Eva A. (See Warner, Fred W., assignor.)
Warner, Frank E., assignor to Scovill Manufacturing Company, Waterbury, Conn. Swinging die holder for fastener setting machines. 1,809,322; June 9.
Warner, Frank E., Waterbury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Tack fastened stud for snap fasteners. 1,826,683; Oct. 6.
Warner, Frank E., Waterbury, and P. E. Fenton, Thomaston, assignors to Scovill Manufacturing Company, Waterbury, Conn. Button. 1,798,237; Mar. 31.

Warner, Fred L., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Hookless chain. 1,835,359; Dec. 8.
Warner, Fred W., Denver, Colo., assignor of one-half to E. A. Warner. Toy call box. 1,812,228; June 30.
Warner Gear Company. (See Bolender, Augustus B., assignor.)
Warner Gear Company. (See Haigh, Vaughn, assignor.)
Warner Gear Company. (See Heck, Harry J., assignor.)
Warner, George B., New York, N. Y. Combined radiator shield and cover therefor. Des. 83,481; Feb. 24.
Warner, Harold E., West Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tube testing apparatus. 1,813,215; July 7.
Warner, Harry C., Kansas City, Mo. Hair trimming attachment for safety razors. 1,825,494; Sept. 29.
Warner, Homer C., assignor to The Lees-Bradner Company, Cleveland, Ohio. Gear cutting machine. 1,836,210; Dec. 15.
Warner, Irving, New Castle, Del., assignor to American Manganese Steel Company, Chicago Heights, Ill. One-piece bucket and attaching link. 1,795,982; Mar. 10.
Warner, James P., Pittsburgh, Pa. Conduit box. 1,795,062; Mar. 3.
Warner Jewelry Case Company. (See Warner, Rudolph J., assignor.)
Warner, John C., Schenectady, N. Y., assignor to General Electric Company. Relay system. 1,839,067; Dec. 29.
Warner, John F., Muncie, Ind. Garage door. 1,815,749; July 21.
Warner, John F., Muncie, Ind., assignor to C. R. Wayman, Dayton, Ohio. Frame construction. 1,807,186; May 26.
Warren, Joseph A. (See Sutermeister, E., and Warren.)
Warner, Joseph H. (See Buck, N. E., Warner, and Lewis.)
Warner, Loring V., assignor to The Swartwout Company, Cleveland, Ohio. Feed water control system. 1,801,295; Apr. 21.
Warner, Maurice L. (See Samuels, A. O., and Warner.)
Warner, Maurice L., assignor to Dover Manufacturing Company, Dover, Ohio. Fuse. 1,794,045; Feb. 24.
Warner Mfg. Co. (See Cadman, Addi B., assignor.)
Warner, Noah L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire building tool. 1,834,560; Dec. 1.
Warner, Pauline B. (See Bohlig, Martin, assignor.)
Warner, Rudolph J., assignor to Warner Jewelry Case Company, Buffalo, N. Y. Jewelry-box pads. 1,789,852; Jan. 20.
Warner, Samuel T., assignor to Peabody Engineering Corporation, New York, N. Y. Fuel burner. 1,790,395; Jan. 27.
Warner & Swasey Company, The. (See Bogart, Fred H., assignor.)
Warner & Swasey Company, The. (See Burrell, E. P., and Bogart, assignors.)
Warner & Swasey Company, The. (See De Graff, Wilbur C., assignor.)
Warner & Swasey Company, The. (See Lange, M. E., and Norton, assignors.)
Warner & Swasey Company, The. (See Price, Carl J., assignor.)
Warner & Swasey Company, The. (See Van Hamersveld, John J. N., assignor.)
Warner & Swasey Company, The. (See Van Hamersveld, J. J. N., and Burrell, assignors.)
Warner & Swasey Company, The. (See Ward, Humphrey R., assignor.)
Warner, William F., jr., assignor to Henry Conolly Company, Inc., Rochester, N. Y. Loose-leaf binder. 1,794,473; Mar. 3.
Warnick, Philip, Jersey City, N. J. Casing for shade rollers. 1,814,422; July 14.
Warnke, Carl J., Elkhart, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Cleaning wire. 1,816,881; Aug. 4.
Warnken, Arthur T. W., Wabuska, Nev., assignor of one-half to Emanuel Johnson, San Francisco, Calif. Obtaining sodium sulphate from natural deposits. 1,798,993; Mar. 31.
Warp Compressing Machine Company. (See Remington, A. L., and Javery, assignors.)
Warp Compressing Machine Company. (See Remington, A. L., and Longvall, assignors.)
Warp Twisting-In Machine Company. (See Klein, Frederick, assignor.)
Warp Twisting-In Machine Company. (See Klein, F., and Walsleben, assignors.)
Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,802,364; Apr. 28.
Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,818,022; Aug. 11.
Warren, Albert I. G., assignor to British Metallising Company Limited, London, England. Metallizing or coating substances with metals. 1,834,812; Dec. 1.
Warren, Arthur J., Pawtucket, R. I. Hand washer. 1,820,853; Aug. 25.
Warren Brothers Company. (See Perkins, G. H., and Shoemaker, assignors.)
Warren Brothers Company. (See Schutte, August E., assignor.)
Warren, Christine M., guardian. (See Heymer, James K., assignor.)
Warren City Tank & Boiler Company, The. (See Patterson, John F., assignor.)
Warren, Clide W. (See Heymer, James K., assignor.)
Warren Crocker, et al. (See Coates, Jasper C., assignor.)
Warren Featherbone Co., The. (See Gelow, Albert J., assignor.)
Warren, Floyd A. (See Wemple, L. E., and Warren.)
Warren, Frederick A., and E. A. Hornby, Flandreau, S. Dak. Yardage indicator or marker for football gridirons. 1,824,643; Sept. 22.
Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Electrically-wound clock. 1,795,189; Mar. 3.
Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Program instrument. 1,801,129; Apr. 14.
Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Synchronous motor and starting device. 1,835,918; Dec. 8.
Warren, Henry E., assignor to Warren Telechron Company, Ashland, Mass. Spring winding mechanism. 1,837,929; Dec. 22.
Warren, James S. (See Gray, Bony, assignor.)
Warren, Jay F. (See Romine, R. T., Warren, and Systrom.)
Warren, Jesse J., jr., Philadelphia, Pa. Coin bank. 1,804,726; May 12.
Warren, John F., et al. (See States, Charles G., assignor.)
Warren, John S. (See Severance, William N., assignor.)
Warren, John W., Knoxville, Tenn. Building unit. 1,804,292; May 5.
Warren, Joseph, sr., Bridgeport, Ohio. Combined cabinet and lamp. Des. 85,356; Oct. 13.
Warren, Joseph C., Oklahoma City, Okla. Telescopic jack. 1,796,173; Mar. 10.
Warren, Peter J., Brooklyn, N. Y. Safety belt. 1,796,775; Mar. 17.
Warren, Roscoe F., Los Angeles, Calif. Tent. 1,820,412; Aug. 25.
Warren, S. D., Company. (See Miller, Bert C., assignor.)
Warren, S. D., Company. (See Sutermeister, E., and Warren, assignors.)
Warren Shade Company. (See Heymer, James K., assignor.)
Warren Telechron Company. (See Bourquin, Edgar, assignor.)
Warren Telechron Company. (See Long, George M., assignor.)
Warren Telechron Company. (See Pond, Shepard, assignor.)
Warren Telechron Company. (See Richardson, Harry C., assignor.)
Warren Telechron Company. (See Warren, Henry E., assignor.)
Warren, Thomas E. (See Pugh, J. W., Tauch, and Warren.)
Warren, Thomas R., Norton-on-Tees, assignor to Imperial Chemical Industries Limited, London, England. Regulation of pumps, compressors, blowers and like machines. 1,807,328; May 26.
Warren, Thomas R., Jesmond, Newcastle-upon-Tyne, and N. Cooke, Sunderland, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric synchronizing apparatus. 1,808,124; June 2.
Warren, Virgil P., Atlanta, Ga. Refrigerator door construction. 1,814,272; July 14.
Warren, Virgil P., Atlanta, Ga. Defrosting refrigeration system. 1,827,410; Oct. 13.
Warren, Virgil P., Atlanta, Ga. Counter showcase refrigerator. 1,831,758; Nov. 10.
Warren, W. Goulding. (See Johnson, Alvin L., assignor.)
Warren, William C., Austell, Ga. Imitation shingle roof. 1,829,123; Oct. 27.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 84,611; July 7.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Knife. Des. 84,665; July 14.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. Des. 84,719; July 21.
Warrick, Charles F., Detroit, Mich. Electric mixer. 1,803,446; May 5.
Warsaw, Abe J., Grand Rapids, Mich., assignor to Kex Company, Inc., St. Louis, Mo. Plug-inserting implement. 1,794,997; Mar. 3.
Warshaw, Nathan, Brooklyn, N. Y. Separable fastener. 1,826,909; Oct. 13.
Warshaw, Nathaniel. (See Shepard, F. J., jr., and Warshaw.)
Warshaw, Nathaniel, Mattapan, Mass., assignor to Lewis-Shepard Company, Watertown, Mass. Storage rack. 1,791,336; Feb. 3.
Warshaw, Nathaniel, Mattapan, assignor to Lewis-Shepard Company, Watertown, Mass. Elevating truck. 1,837,600; Dec. 22.
Wartemann, Oscar, College Point, New York, N. Y. Dam construction. 1,807,358; May 26.
Warth, Albin H., Baltimore, Md., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc. Producing closures. 1,788,260; Jan. 6.
Warth, Nathaniel G., Gallipolis, Ohio. Airship. 1,824,453; Sept. 22.

Wartian, Avagim, Detroit, Mich. Lock. 1,800,707; Apr. 14.
Wartian, Avagim, Detroit, Mich. Locking device. 1,800,708; Apr. 14.
Warwick China Company. (See Hale, Edwin, assignor.)
Warwick, Harold L., Fort Worth, Tex. Automatic telephone system. 1,810,865; June 16.
Warwick, Harold L., Fort Worth, assignor of one-half to G. B. McCarney, Handley, Tex. Sound recording and reproducing apparatus. 1,839,187; Dec. 29.
Warwick Mills et al. (See Hoxie, F. J., and Tenney, assignors.)
Warwick, William E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Conversion of high boiling hydrocarbon oil. 1,830,972; Nov. 10.
Warzoha, Stephen, Port Chester, N. Y. Flag display device. 1,804,293; May 5.
Wasberg, Axel. (See Heinen, F. C., Tobin, and Wasberg.)
Wasberg, Axel. (See Tobin, K. J., and Wasberg.)
Wasberg, Axel, and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Bearing for car doors. 1,788,416; Jan. 13.
Wasberg, Axel and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Securing house-car corner doors. 1,793,531; Feb. 24.
Wasberg, Axel, and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Door-operating mechanism for hopper cars. 1,798,184; Mar. 31.
Wasberg, Axel, and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Opening, closing, and latching mechanism. 1,806,772; May 26.
Wasberg, Axel, and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Ball supporting and lifting arrangement. 1,819,309; Aug. 18.
Wasberg, Axel, and K. J. Tobin, assignors to Camel Company, Chicago, Ill. Elevating means for car doors. 1,826,910; Oct. 13.
Waschiczeck, Fritz, assignor of one-half to the Firm Otto Schubert & Sohn, Naumburg, Germany. Separable fastener. 1,839,068; Dec. 29.
Waseige, Charles R., Rueil, assignor to Henri et Maurice Farman, Billancourt, Seine, France. Pump with deformable diaphragm. 1,835,919; Dec. 8.
Wasen, Walter E., Ashland, Ohio. Traffic line machine. 1,818,916; Aug. 11.
Washburn, Burton A., and F. S. Lack, assignors to Lack Manufacturing Company, Paducah, Ky. Applicator. 1,794,221; Feb. 24.
Washburn Company, The. (See Hobbs, Samuel T., assignor.)
Washburn Company, The. (See Knowles, Phillip H., assignor.)
Washburn Company, The. (See Washburn, Reginald, assignor.)
Washburn, David A., New Haven, Conn. Holder for store window decorations. 1,829,884; Nov. 3.
Washburn, Ernest A., Los Angeles, Calif. Guard finger and ledger plate construction for mowers and reapers. 1,806,926; May 26.
Washburn, Loring, Greenwich, Conn., assignor to S. H. Pomeroy Company, Inc., New York, N. Y. Radiator support. 1,791,915; Feb. 10.
Washburn, Loring, Greenwich, Conn., assignor to S. H. Pomeroy Company, Inc., New York, N. Y. Automatic closing device for windows. 1,818,023; Aug. 11.
Washburn, Reginald, assignor to The Washburn Company, Worcester, Mass. Handle construction for culinary utensils. 1,827,126; Oct. 13.
Washburn, Robert M., Evanston, assignor, by mesne assignments, to Albert P. Hunt. Dehydrating apparatus. 1,817,048; Aug. 4.
Washburne, Alva C. (See Reising, Eugene G., assignor.)
Washburne, Arthur L., assignor to Sparkletts Bottled Water Corporation, Los Angeles, Calif. Olla. 1,835,542; Dec. 8.
Washington, Bowden, New York, N. Y., assignor to Remotrole Corporation. Radioreceiver. 1,794,936; Mar. 3.
Washington, Bowden, New York, and W. Aull, jr., Astoria, N. Y., assignors to Remotrole Corporation. Remote-controlled radioreceiver. 1,794,935; Mar. 3.
Washington, Bowden, New York, and W. Aull, jr., Astoria, N. Y., assignors to Remotrole Corporation. Radioreceiver control. 1,795,269; Mar. 3.
Washington Brick, Lime & Sewer Pipe Co. (See Fosseen, Arthur B., assignor.)
Washington Mould, Machine and Foundry Co. (See Crile, Walter M., assignor.)
Wash! Company, The. (See Floyd, George G., assignor.)
Wasileski, George. (See Steiner, G. A., Wasileski, and Murdo.)
Wasley, Thomas J. J., Santiago, Chili, assignor to Automobile Patents, Inc., New York, N. Y. Carburetor. 1,801,702; Apr. 21.
Wass, Bela T., Cherryfield, Me. Fishway. 1,798,238; Mar. 31.
Wasselin, Gaston, Calais, France. Lace. Des. 83,782; Mar. 24.
Wasselin, Gaston, Calais, France. Lace. Des. 85,269; Sept. 29.
Wasser, Joseph J., assignor to Pevely Dairy Company, St. Louis, Mo. Display device. 1,829,915; Nov. 3.
Wasserberg, Max, Flushing, assignor of one-half to S. Steinfeld, New York, N. Y. Sign and display device. 1,805,504; May 19.
Wasserfallen, Charles F., assignor, by mesne assignments, to Detroit and Security Trust Company, Detroit, Mich. Spare tire carrier for vehicles. 1,834,482; Dec. 1.
Wasserman, Jacob. (See Cohen, S. H., and Wasserman.)
Wassmer, Eugène, Geneva, Switzerland. Device for performing medical injections. 1,830,453; Nov. 3.
Wasson, Harry C., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Vehicle. 1,800,236; Apr. 14.
Waswell, Georg E., Lund, Sweden. Combined passenger and ambulance automobile vehicle. 1,794,096; Feb. 24.
Wasylenko, Eugene, Chester, Pa. Apparatus for developing and printing pictures. 1,808,585; June 2.
Wasyluk, Wasyl, Philadelphia, Pa. Basket. Des. 85,501; Nov. 3.
Watanabe, Asahi, Nishisugamo-Machi, Kitatoshima-Gori, Tokyo-Fu, Japan. Cap with a clip for fountain pens. 1,823,673; Sept. 15.
Watanabe, Ko. (See Osawa, Naoshige, assignor.)
Watanabe, Ko., Higashi-Ku, Nagoya, Japan. Manufacture of paper making material. 1,833,804; Nov. 24.
Watanabe, Ko, Higashi-Ku, Nagoya, Japan. Manufacture of paper making material. 1,833,805; Nov. 24.
Watchek, Harry A., et al. (See Baker, D. B., Crumb, and Watchek.)
Watcher, John A., Jackson, Minn. Sectional smoke flue. 1,816,271; July 28.
Waterbor, Elmer F., assignor to C. M. Simpson, Detroit, Mich. Vehicle wheel. 1,797,304; Mar. 34.
Waterbury Buckle Company, The. (See Kinch, Earl L., assignor.)
Waterbury Button Company. (See Selby, W., and Magenat, assignors.)
Waterbury Cable Service, Inc. (See Johnston, Leroy F., assignor.)
Waterbury Clock Co., The. (See Wehinger, Frederick, assignor.)
Waterbury Farrel Foundry and Machine Company, The. (See Candee, Zenas P., assignor.)
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Waterbury Lock and Specialty Company, The. (See Evans, William E., assignor.)
Waterbury Tool Company, The. (See Crain, John J., assignor.)
Waterbury Tool Company, The. (See Ellis, Arthur L., assignor.)
Waterbury Tool Company, The. (See Francis, Daniel R., assignor.)
Waterbury Tool Company, The. (See Gros, Henry G., assignor.)
Waterhouse, Daniel S., Los Angeles, Calif. Tent. 1,800,369; Apr. 14.
Waterhouse, David. (See Prince-Smith, W. and Waterhouse.)
Waterhouse, William E., Kingston-upon-Hull, England. Treatment of worm-killing composition. 1,796,070; Mar. 10.
Waterman, Clifford W., jr., Kansas City, Mo. Method of and apparatus for distributing material. 1,833,192; Nov. 24.
Waterman, Hein I., Delft., assignor to De Bataafsche Petroleum Maatschappij, The Hague. Netherlands. Treating carbonaceous materials. 1,831,759; Nov. 10.
Waterman, L. E., Company. (See Kastner, Eleanor J., assignor.)
Waterman, L. E., Company. (See Larsen, Gabriel, assignor.)
Waterman, Russell R. (See French, C. A., and Waterman.)
Waterman, Russell R., Long Beach, Calif., assignor to Farmers' National Bank of Greenville, Ohio, Greenville, Ohio, trustee. Steam flash boiler. 1,797,109; Mar. 17.
Waterman, Russell R., Long Beach, Calif., assignor to Farmers' National Bank of Greenville, Ohio, Greenville, Ohio, trustee. Fuel-atomizing nozzle. 1,797,110; Mar. 17.
Waterman, Russell R., Long Beach, Calif., assignor to Farmers' National Bank of Greenville, Ohio, Greenville, Ohio. Union. 1,799,834; Apr. 7.
Waterman, Russell R., Long Beach, Calif., assignor to Farmers' National Bank of Greenville, Ohio, Greenville, Ohio. Blow off apparatus for boilers. 1,802,590; Apr. 28.
Waterman, Russell R., Long Beach, Calif., assignor to Farmers' National Bank, trustee, Greenville, Ohio. Water seal for steam power plants. 1,814,100; July 14.
Waterman, Russell R., Long Beach, Calif., assignor to Farmers' National Bank, trustee, Greenville, Ohio. Water seal for steam power plants. 1,814,101; July 14.
Waterous Fire Engine Works, Incorporated. (See Storey, Leonidas P., assignor.)
Water Proof Pocket Corporation. (See Paull, Samuel, assignor.)
Waters, Albert, Glen Iris, and S. J. Waters, Toorak, Victoria, Australia. Electrically moved display apparatus. 1,816,102; July 28.
Waters, Ambrose. (See Allen, G. W., and Waters.)
Waters, Charles B., Montclair, N. J., assignor to Tropic-Aire Incorporated, Minneapolis, Minn. Automobile heating apparatus. 1,795,101; Mar. 3.
Waters, Harry F., New York, N. Y. Producing pipe-organ music. 1,793,532; Feb. 24.
Waters, Harry F., Windham County, Vt. Pipe organ. 1,835,360; Dec. 8.

Waters, Harry F., St. Louis, and V. R. Brown, assignors to Magnetic Organ Action Company, University City, Mo. Magnetic action for pipe organs. 1,787,559; Jan. 6.
Waters, Lawrence W., Los Angeles, Calif. Centrifugal governor. 1,787,648; Jan. 6.
Waters, Millard F., assignor to Hanlon-Waters, Inc., Tulsa, Okla. Gauge cock. 1,789,205; Jan. 13.
Waters, Sylvester J. (See Waters, A. and S. J.)
Waters, Thornton L., Springfield, Ky. Display stand. 1,823,302; Sept. 15.
Waters, William, Boston, Mass. Heater for propellers. 1,807,359; May 26.
Waters, William S., Lakewood, Ohio. Lighting fixture. 1,806,773; May 26.
Watervliet Tool Co. (See Kattrein, W. J., and Becker, assignors.)
Waterworth, Robert J., assignor to L. M. Studevant, Sidney, Ohio. Sheet overturning means for paper folding machines. 1,813,476; July 7.
Waterworth, Robert J., assignor to Prima Manufacturing Company, Inc., Sidney, Ohio. Power drive device for washing machines. 1,828,007; Oct. 20.
Watkin, Betram L., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Electric-light fixture. Des. 83,228; Feb. 3.
Watkins, Benjamin H., Bishop, Calif. Smoking set. 1,788,646; Jan. 13.
Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Producing laminated glass. 1,799,075; Mar. 31.
Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for use in the manufacture of laminated glass. 1,810,934; June 23.
Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass. 1,821,598; Sept. 1.
Watkins, Griffin. (See Neeley, George S., assignor.)
Watkins, Harold F., Oakland, assignor to Watkins Intermitting Pump Company, San Francisco, Calif. Oil well pump. 1,811,101; June 23.
Watkins, Henry E., Bronx, N. Y., assignor to The Darling Specialty Co. Steel wool pad and holder. 1,832,068; Nov. 17.
Watkins, Hugh M., Lake Charles, La. Window glass channel. 1,808,699; June 2.
Watkins Intermitting Pump Company. (See Watkins, Harold F., assignor.)
Watkins, Jack. (See Harper, Choice R., assignor.)
Watkins, John N., Iowa City, Iowa. Quack grass destroyer. 1,817,450; Aug. 4.
Watkins, Leon H., Pasadena, Calif. Supercharger. 1,823,811; Sept. 15.
Watkins, Parke H. (See Holmberg, A. W., and Watkins.),
Watkins, Parke H., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Coating concrete with rubber and product. 1,816,922; Aug. 4.
Watkins, Parke H., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Apparatus for manufacturing gloves. 1,831,333; Nov. 10.
Watkins, Parke H., Leonia, and A. W. Holmberg, South Orange, N. J., assignors to National India Rubber Company, Bristol, R. I. Making rubber articles by deposition. 1,828,990; Oct. 27.
Watkins, Stanley S. A., Rye, N. Y., assignor, by mesne assignments, to Electrical Research Products Inc. Combined phonograph and motion-picture projector. 1,790,687; Feb. 3.
Watkins, Stanley S. A., Rye, N. Y., assignor, by mesne assignments, to Electric Research Products, Inc. Camera. 1,795,626; Mar. 10.
Watkins, Stanley S. A., Rye, N. Y., assignor, by mesne assignments, to Electrical Research Products Inc. Sound recording and reproducing system. 1,837,243; Dec. 22.
Watkins, T. B. (See Williams, Clarence E., assignor.)
Watkins, William E., New York, N. Y., assignor to Copper Plate Sheet & Tube Company. Process and apparatus for treating sheet metal. 1,789,853; Jan. 20.
Watkins, William E., assignor to Copper Plate Sheet & Tube Company, New York, N. Y. Conveyer for metal sheets. 1,794,659; Mar. 3.
Watkins, William E., assignor to Copper Plate Sheet & Tube Company, New York, N. Y. Plating metals. 1,810,409; June 16.
Watkins, William E., assignor to Copper Plate Sheet & Tube Company, New York, N. Y. Apparatus for handling sheet metal. 1,811,374; June 23.
Watkins, William E., assignor to Copper Plate Sheet & Tube Company, New York, N. Y. Plating metal. 1,815,638; July 21.
Watkins, William E., assignor to Copper Plate Sheet and Tube Company, New York, N. Y. Arching mechanism. 1,822,984; Sept. 15.
Watkins, William E., assignor to Copper Plate Sheet & Tube Company, New York, N. Y. Plating metals. 1,825,763; Oct. 6.
Watkins, William P. (See Allan, J. E., Freeman, and Watkins.)
Watling, Thomas W. B., Chicago, Ill. Amusement apparatus. Des. 85,562; Nov. 10.
Watling, William P., and B. F. Small, Chicago, Ill., assignors to International Harvester Company. Gauge structure. 1,832,953; Nov. 24.
Watlington, Luis A. (See Acosta, Julian S., assignor.)
Watric Company, et al. (See Hammond, Harry, assignor.)
Watrous, Earl G., Chicago, Ill. Lavatory. 1,788,216; Jan. 6.
Watrous, Earl G., Chicago, Ill. Hood fastener. 1,793,201; Feb. 17.
Watrous, Earl G., Chicago, Ill. Plumbing fitting. 1,806,962; May 26.
Watrous, Earl G., Chicago, Ill. Lavatory. 1,814,352; July 14.
Watrous, Earl G., Chicago, Ill. Swinging lavatory. 1,831,937; Nov. 17.
Watrous Willis H., Oakland, Calif. Brake testing lever. 1,809,087; June 9.
Watska, Otto, Vienna, Austria, assignor to C. S. Bleicher, New York, N. Y. Automatic contrivance for receiving written messages by telephone. 1,822,914; Sept. 15.
Watson, Alec V., St. Albans, assignor of one-half to T. A. Davis, London, England. Safety razor. 1,805,895; May 19.
Watson, Arthur C., Marietta, Ohio. Apparatus for producing visual effects. 1,819,217; Aug. 18.
Watson, Arthur C., Marietta, Ohio. Method of and apparatus for advertising. 1,819,218; Aug. 18.
Watson, Arthur C., Marietta, Ohio. Producing visual effects. 1,828,236; Oct. 20.
Watson, Arthur H., Evanston, Ill. Apparatus for producing speaking and sound pictures. 1,787,919; Jan. 6.
Watson, Arthur H., Evanston, Ill. Television apparatus. 1,787,920; Jan. 6.
Watson, Arthur H., Chicago, Ill. Television apparatus. 1,787,921; Jan. 6.
Watson, Burke, and W. S. Jackson, Sumter, S. C. Poison dispenser for cultivator plows. 1,818,369; Aug. 11.
Watson, Charles E. (See Swinscoe, J., Johnson, and Watson.)
Watson, Charles G., Youngstown, Ohio. Open-hearth doorframe. 1,792,947; Feb. 17.
Watson, Charles G., Youngstown, Ohio. Lily pool tank. 1,825,894; Oct. 6.
Watson, Charles G., Youngstown, Ohio. Radiator for transformer casings. 1,838,722; Dec. 29.
Watson, Claude W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Converting hydrocarbons. 1,823,922; Sept. 22.
Watson, Coleman H., Ensley, Ala. Automatic weighing device. 1,835,104; Dec. 8.
Watson Company, The. (See Ball, Percy B., assignor.)
Watson, Cornelius B. (See Carr, R. H., and Watson.)
Watson, Cornelius B. (See Smith, C. L., and Watson.)
Watson, Cornelius B., assignor to The Pure Oil Company, Chicago, Ill. Removing carbon deposit from metal surfaces. 1,796,878; Mar. 17.
Watson, Cornelius B., Chicago, Ill., assignor to Gyro Process Company, Detroit, Mich. Treating petroleum oils. 1,797,305; Mar. 24.
Watson, Cornelius B., assignor to The Pure Oil Company, Chicago, Ill. Treating petroleum oil. 1,811,195; June 23.
Watson, Cornelius B., and R. C. Osterstrom, assignors to The Pure Oil Company, Chicago, Ill. Purifying cracked petroleum vapors. 1,793,885; Feb. 24.
Watson, Cornelius B., and A. E. Harnsberger, assignor to The Pure Oil Company, Chicago, Ill. Oil vaporizer and converter. 1,818,512; Aug. 11.
Watson, David M., Elkins Park, and G. C. Munoz, assignors to The American Pulley Company, Philadelphia, Pa. Hand truck. 1,799,659; Apr. 7.
Watson, Edward F., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Electrical picture transmission. 1,788,476; Jan. 13.
Watson, Edward F., Larchmont, N. Y., and T. A. McCann, East Orange, N. J., assignors to American Telephone and Telegraph Company. Telegraph signal recording system. 1,833,958; Dec. 1.
Watson, Ernest A., West Orchard, assignor to The M-L Magneto Syndicate Limited, Coventry, England. Magneto. 1,838,339; Dec. 29.
Watson-Flagg Machine Company. (See Flagg, John H., assignor.)
Watson, Francis J. G. B., Islington, E. Culver, Crouch End, and A. H. Emerson, Finchley, London, assignors to United Kingdom Optical Company, Limited, London, England. Manufacturing lenses and apparatus therefor. 1,822,606; Sept. 8.
Watson, Frank, Baltimore, Md. Folding box. 1,819,933; Aug. 18.
Watson, Frank, Baltimore, Md. Packaging device. 1,826,536; Oct. 6.
Watson, Frank, assignor to The Lafayette Company, Inc., Baltimore, Md. Canned goods container. 1,811,340; June 23.
Watson, Frank H., Jonesboro, Ark. Pneumatic inner tube and valve stem. 1,804,294; May 5.
Watson, Frank H., Jonesboro, Ark. Cotton picker head. 1,828,581; Oct. 20.
Watson, George W. (See Shaw, J. S., Watson, and Heap.)
Watson, Gertrude C., Houston, Tex. Iron. 1,831,215; Nov. 10.
Watson, Henry C., and M. Waddell, assignors to Watson-Waddell Limited, Belfast, Ireland. Producing fiber and yarn from unretted flax plants. 1,795,528; Mar. 10.
Watson, Henry C., and M. Waddell, assignors to Watson-Waddell Limited, Belfast, England. Spool for treating yarn or rove with liquids. 1,795,529; Mar. 10.

Watson, Henry C., and M. Waddell, assignors to Watson-Waddell Limited, Belfast, Ireland. Machine for threshing and scutching flax. 1,795,530; Mar. 10.
Watson, Horace G. I. (See Bieler, E. S., and Watson.)
Watson, Horace R. (See Neale, J., and Watson.)
Watson, Irving S. (See Linville, Robert W., assignor.)
Watson, John E., and V. S. Lewis, New Rochelle, N. Y. Heat exchanger. 1,833,666; Nov. 24.
Watson, John H., and H. E. Anderson, Linwood, Scotland. Manufacture of paper. 1,834,363; Dec. 1.
Watson, Kenneth, San Francisco, Calif. Valve alarm. 1,808,911; June 9.
Watson, Kenneth M., Madison, Wis., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for coating electrical conductors. 1,822,485; Sept. 8.
Watson Machine Company, The. (See Stevens, Donald R., assignor.)
Watson Machine Company. (See Van Hook, Charles F., assignor.)
Watson, Ralph, Philadelphia, Pa. Loose-leaf binder. 1,791,916; Feb. 10.
Watson, Ralph, Villa Ridge, Ill. Insect exterminator. 1,813,648; July 7.
Watson, Ralph H., Munhall, Pa. Beam and the like. 1,837,088; Dec. 15.
Watson, Richard M., Detroit, Mich. Base member for loose leaf binders. 1,827,411; Oct. 13.
Watson, Sydney C., Chicago, Ill., assignor to The Bradford Machine Tool Company, Cincinnati, Ohio. Automatic tapping head. 1,796,352; Mar. 17.
Watson, Thomas J., Short Hills, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Accounting machine and punching mechanism controlled thereby. 1,834,561; Dec. 1.
Watson, Thomas J., Short Hills, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Accounting machine with punching attachment. 1,834,562; Dec. 1.
Watson, Thomas S., Milwaukee, Wis. Safety control for extractor covers and the like. 1,837,244; Dec. 22.
Watson-Waddell Limited. (See Watson, H. C., and Waddell, assignors.)
Watson, William A., New Haven, Conn. Valve unit for player pianos. 1,820,037; Aug. 25.
Watson, William F., Bradenton, Fla. Collar button. 1,814,651; July 14.
Watson, William N. (See Stevens, R. H., Norris, and Watson.)
Watt, Bruce A., Buffalo, Wyo. Power loading dump wagon. 1,819,578; Aug. 18.
Watt Car and Wheel Co., The. (See Edgar, Robert L., assignor.)
Watt Car and Wheel Co., The. (See Veth, Noel D., assignor.)
Watt Car and Wheel Co., The. (See Watt, Charles W., assignor.)
Watt, Charles M., Greenwich, Conn. Hot frame. 1,802,452; Apr. 28.
Watt, Charles W., assignor to The Watt Car and Wheel Co., Barnesville, Ohio. Mine car. 1,828,266; Oct. 20.
Watt, Elihu D., La Grange, Ill., assignor to Raymond Concrete Pile Company, New York, N. Y. Sectional pile. 1,798,858; Mar. 31.
Watt, Lynn A., Webster Groves, assignor to Monsanto Chemical Works, St. Louis, Mo. Leather dye. 1,789,375; Jan. 20.
Watt, Virgil M. (See Hill, W. B., and Watt.)
Watt, William H., Haddon Heights, N. J. Process and apparatus for molding tubes. 1,822,356; Sept. 8.
Watter, Michael. (See Reichert, L., and Watter.)
Watter, Michael, New York, assignor to C. M. Vought, Grenwolde, Great Neck, N. Y. Amphibian aeroplane. 1,794,813; Mar. 3.
Watter, Michael, New York, assignor to C. M. Vought, Grenwolde, Great Neck, N. Y. Aeroplane. 1,794,814; Mar. 3.
Watters, Gordon I., Knoxville, assignor to J. V. Kennedy, Jacksonville, Ill. Vending machine. 1,824,851; Sept. 29.
Watters, Luther A., A. Baumann, and C. P. Horlacher, St. Louis, Mo., assignors to United Accounting Machines, Inc., Wilmington, Del. Calculating machine. 1,838,647; Dec. 29.
Wattle, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft end control for magazine looms. 1,807,768; June 2.
Wattie, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Reversible dobby for harness and box motion. 1,826,334; Oct. 6.
Wattie, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing mechanism for looms. 1,832,597; Nov. 17.
Watts, Cecil F., Miami, Fla. Telegravure method and apparatus. 1,837,509; Dec. 22.
Watts, Edmund H., London, England. Cargo ship. 1,815,687; July 21.
Watts, Elmer A., assignor to The Miller Improved Gas Engine Company, Springfield, Ohio. Starting mechanism for internal combustion engines. 1,835,543; Dec. 8.
Watts, Felix J., assignor to H. A. Douglas, Bronson, Mich. Electric switch. 1,823,435; Sept. 15.
Watts, Frank E. (See Martin, J. F., and Watts.)
Watts, George E. (See Davis, R. J., and Watts.)
Watts, George W., assignor to Standard Oil Co., Whiting, Ind. Pipe still. 1,789,267; Jan. 13.
Watts, George W., assignor to Standard Oil Company, Whiting, Ind. Entrainment arrester. 1,792,134; Feb. 10.
Watts, George W., assignor to Standard Oil Company, Whiting, Ind. Tube hanger. 1,815,750; July 21.
Watts, George W., assignor to Standard Oil Company, Whiting, Ind. Centrifugal separator. 1,825,377; Sept. 29.
Watts, George W., Whiting, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill. Refrigeration oil separation. 1,830,863; Nov. 10.
Watts, George W., assignor to Standard Oil Company, Whiting, Ind. Distillation of hydrocarbon oils. 1,831,051; Nov. 10.
Watts, Henry C. (See Leitner, H., and Watts.)
Watts, John, (Sheffield and London) Limited. (See Watts, John R., assignor.)
Watts, John R., Sheffield, assignor to J. Watts (Sheffield and London) Limited, Sheffield, Yorkshire, England. Safety razor. 1,834,813; Dec. 1.
Watts, Oscar J., Kensington, Kans. Merry-go-round. Re17,921; Jan. 6.
Watts, Reginald H. (See Hauser, E. A., and Watts.)
Watts, Roy T., assignor, by mesne assignments, to W. W. Varney, Baltimore, Md. Phonograph. 1,811,410; June 23.
Watts, Vilas E., assignor of one-third to G. G. Pomeroy, Sacramento, Calif. Transverse testing machine. 1,827,805; Oct. 20.
Watts, Warren S., assignor to Arlette, Inc., Louisville, Ky. Hair-waving sachet. 1,788,217; Jan. 6.
Watts, Warren S., assignor to Arlette, Inc., Louisville, Ky. Hair waving wrapper. 1,806,007; May 19.
Watts, Warren S., assignor to Arlette, Inc., Louisville, Ky. Hair waving wrapper. 1,806,008; May 19.
Watzka, Otto, Vienna, Austria, assignor to C. S. Bleicher, New York, N. Y. Automatic contrivance for receiving written messages by telephone. 1,827,962; Oct. 20.
Waugh, Thomas, Lowell, Mass. Heel protector for shoes. 1,832,268; Nov. 17.
Waugh, Thomas C., Ingram, Pa. Moistening device. 1,814,776; July 14.
Waukesha Motor Company. (See Fisher, J. B., and De Long, assignors.)
Waukesha Motor Company. (See Horning, Harry L., assignor.)
Waukesha Motor Company. (See Pope, Arthur W., jr., assignor.)
Waukesha Motor Company. (See Rector, Enoch, assignor.)
Wawrunek, Leopold, Graz, Austria. Collapsible reclining chair. 1,789,090; Jan. 13.
Wawrzyniak, Alex A., Berlin, Wis. Check writing or printing machine. 1,800,125; Apr. 7.
Waxbom, Charles E., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal-mining apparatus. Re17,986; Mar. 3.
Way, Charles E., Fairmont, Okla. Gate latch. 1,823,303; Sept. 15.
Way, Clarence J., assignor to The Ohio Brass Company, Mansfield, Ohio. Hanger. 1,816,413; July 28.
Way, Norman A. (See Jones, James T., assignor.)
Way Vend Corporation. (See Pryor, James N., assignor.)
Wayer, Henry, Columbus, Ohio. Valve protector. 1,833,924; Dec. 1.
Wayman, Charles R. (See Warner. John F., assignor.)
Wayman, Charles R., assignor to Frigidaire Corporation, Dayton, Ohio. Refrigerating apparatus. 1,821,995; Sept. 8.
Wayne, Alexander A., San Francisco, Calif. Elevator door closing device. 1,827,631; Oct. 13.
Wayne Company. (See Edwards, C. H., and Transtrom, assignors.)
Wayne Company. (See Halstead, S. M., Wickland, and Tustin, assignors.)
Wayne Company, The. (See Townsend, William S., assignor.)
Wayne, Herbert N., Santa Monica, and E. B. Cox, Los Angeles, Calif. Shock absorber. 1,837,510; Dec. 22.
Wayne Home Equipment Company, The. (See Smenner, Harry F., assignor.)
Wayne Pump Company, The. (See Deutsch, Leo, assignor.)
Wayne Pump Company, The. (See Deutsch, L., and Genung, assignors.)
Wayne Pump Company, The. (See McCandless, L., and Sartakoff, assignors.)
Wayne Pump Company, The. (See Parker, W. H., and Delanoy, assignors.)
Wayne Pump Company, The. (See Sartakoff, Jack D., assignor.)
Wayne Pump Company, The. (See Townsend, William S., assignor.)
Wayne, Truman B. (See Varnau, B. H., and Wayne.)
Wazlavek, Carl, assignor of one-fourth to W. B. Fischer, Massillon, Ohio. Grab. 1,807,266; May 26.
Weagant, Roy A., Douglaston, N. Y., assignor to Radio Corporation of America. Signaling. 1,794,878; Mar. 3.
Weagant, Roy A., Douglaston, N. Y., and G. A. Somersalo, Jersey City, assignors to De Forest Radio Company, Jersey City, N. J. Preventing reradiation in antennæ. 1,835,126; Dec. 8.

Weamer, Paul M., Gladwyne, assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Ornamenting rubber mats. 1,827,127; Oct. 13.
Wean Engineering Company, The. (See Wean, Raymond J., assignor.)
Wean, Raymond J., assignor to The Wean Engineering Company, Incorporated, Warren, Ohio. Method and apparatus for rolling sheets. 1,824,001; Sept. 22.
Wean, Raymond J., assignor to The Wean Engineering Company, Inc., Warren, Ohio, Furnace conveyer. 1,825,107; Sept. 29.
Weant, Roy C., Ponca City, Okla. Stuffing box. 1,809,657; June 9.
Wear, James S., Delta, Colo. Fishing line nontwist plate. 1,802,295; Apr. 21.
Weare, John H., et al. (See McManus, Charles, assignor.)
Weatherhead, Albert J., jr. (See Baldwin, John D. jr., assignor.)
Weatherhead, Albert J., jr. (See Rych, Laddie, assignor.)
Weatherhead, Albert J., jr., Cleveland, Ohio. Producing carburetor jets. 1,789,719; Jan. 20.
Weatherhead, Albert J., jr., Cleveland, Ohio. Pipe coupling. 1,803,576; May 5.
Weatherhead, Albert J., jr., Cleveland, Ohio. Sectional pipe coupling. 1,803,577; May 5.
Weatherhead, Albert J., jr., Cleveland, Ohio. Sectional pipe coupling. 1,803,578; May 5.
Weatherhead, Albert J., jr., Cleveland, Ohio. Cover for receptacles. 1,815,603; July 21.
Weatherhead, Albert J., jr., Cleveland, Ohio. Sectional pipe coupling. 1,825,034; Sept. 29.
Weatherhead, Albert J., jr., Cleveland, Ohio. Piston and connecting rod. 1,829,552; Oct. 27.
Weatherhead, Albert J., jr., Cleveland, Ohio. Tubular connection and method of producing the same. 1,832,954; Nov. 24.
Weatherhead, Albert J., jr., Cleveland, Ohio. Fitting for automobiles. 1,833,982; Dec. 1.
Weatherproof Products Company, The. (See Stryker, George B., jr., assignor.)
Weathers, Eathelbert W., San Diego, Calif. Combination vehicle wheel-supporting and electric-conduit means. 1,796,585; Mar. 17.
Weathers, Eathelbert W., San Diego, Calif. Electric motor generator. 1,805,935; May 19.
Weaver, Allan, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Rectifying arrangement. 1,796,497; Mar. 17.
Weaver, Allan, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Telegraph reading machine. 1,815,996; July 28.
Weaver, Allan, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Elimination of radio interference due to printing telegraph. 1,830,864; Nov. 10.
Weaver, Allan, Brooklyn, N. Y., and D. E. Branson, Bloomfield, N. J., assignors to American Telephone and Telegraph Company. Picture transmitting system. 1,814,987; July 14.
Weaver, Caius E., Schenectady, N. Y., assignor to General Electric Company. Power wrench. 1,812,816; June 30.
Weaver, Cora P., Alhambra, Calif. Side door curtain for automobiles. 1,803,883; May 5.
Weaver, Earl L., assignor to The Goshen Manufacturing Company, Goshen, Ind. Lawn swing. Des. 83,587; Mar. 3.
Weaver, Earl L., Goshen, assignor to The Goshen Manufacturing Company, Goshen, Ind. Lawn swing. 1,802,365; Apr. 28.
Weaver, Eastman A., Brookline, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Photography. 1,804,727; May 12.
Weaver, Elverton W., Cleveland Heights, assignor to The Columbia Axle Company, Cleveland, Ohio. Differential mechanism. 1,810,194; June 16.
Weaver, Fred A. (See McCauley, C. F., and Weaver.)
Weaver, Gailard E., and W. B. Mackintoch, assignors to Weaver Manufacturing Company, Springfield, Ill. Tire changer. 1,792,667; Feb. 17.
Weaver, Gailard E., and A. J. Vettel, assignors to Weaver Manufacturing Company, Springfield, Ill. Jack. 1,795,583; Mar. 10.
Weaver, Gailard E., and A. R. Squyer, assignors to Weaver Manufacturing Company, Springfield, Ill. Lifting appliance. 1,806,323; May 19.
Weaver, Gailard E., and A. J. Vettel, assignors to Weaver Manufacturing Company, Springfield, Ill. Wreck crane. 1,806,433; May 19.
Weaver, Gailard E., and Harry C. Buffington, assignors to Weaver Manufacturing Company, Springfield, Ill. Jack. 1,825,495; Sept. 29.
Weaver, Gailard E., and A. R. Squyer, assignors to Weaver Manufacturing Company, Springfield, Ill. Automobile lifting appliance. 1,825,764; Oct. 6.
Weaver, Harry F., Evansville, Ind. Water-closet-tank cover. Des. 83,588; Mar. 3.
Weaver, Herbert H., New York, N. Y., and E. A. Bolen, assignors to Northwestern Corporation, Morris, Ill. Cutting and coating machine. Re18,035; Apr. 7.
Weaver, Ira A., Springfield, Ill. Pump. 1,817,659; Aug. 4.
Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Brake-pedal actuator. 1,790,851; Feb. 3.
Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Valve construction. 1,809,431; June 9.
Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Vehicle wheel brake tester. 1,830,148; Nov. 3.
Weaver, James M., Culver City, Calif. Lock. 1,838,340; Dec. 29.
Weaver, James R., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Inspecting apparatus for meter paper. 1,790,183; Jan. 27.
Weaver, John P., Anderson, Ind. Telemetric indicating system. 1,811,769; June 23.
Weaver, Joseph B., Toledo, Ohio. Gas generating apparatus. 1,820,336; Aug. 25.
Weaver, Joseph B., Toledo, Ohio. Fractionating tower. 1,835,683; Dec. 8.
Weaver, Joseph B., and C. R. Wagner, Chicago, Ill., assignors to The Gyro Process Company, Detroit, Mich. Cracking oil vapors into vapor phase. 1,818,513; Aug. 11.
Weaver, Josiah A., assignor, by mesne assignments, to Container Corporation of America, Chicago, Ill. Chick box. 1,799,338; Apr. 7.
Weaver Manufacturing Company. (See Weaver, G. E., and Buffington, assignors.)
Weaver Manufacturing Company. (See Weaver, G. E., and Mackintosh, assignors.)
Weaver Manufacturing Company. (See Weaver, G. E., and Squyer, assignors.)
Weaver Manufacturing Company. (See Weaver, G. E., and Vettel, assignors.)
Weaver Manufacturing Company. (See Weaver, Ira A., assignor.)
Weaver, Myron A., Rye, N. Y., assignor to American Telephone and Telegraph Company. Cross-talk reduction. 1,799,188; Apr. 7.
Weaver, Talmage B., Mitchell, S. Dak. Pressing cloth. 1,837,603; Dec. 22.
Weaver Wall Company, The. (See Otis, Edward C., assignor.)
Weaver, Wayne W., Drexel Hill, assignor to The Barber Asphalt Company, Philadelphia, Pa. Shingle. 1,795,913; Mar. 10.
Weaver, William A., Tampa, Fla. Violin. 1,788,137; Jan. 6.
Weaver, William H., Valley Springs, Calif. Currency holder. 1,832,161; Nov. 17.
Web Engineering Company, The. (See Aland, Richard C., assignor.)
Webb, Adolphus M., assignor of one-fourth to W. G. Jarrell Machine Company, Charlotte, N. C. Exercising and vibrating device. 1,791,777; Feb. 10.
Webb, Adolphus M., assignor of one-fourth to W. G. Jarrell Machine Company, Charlotte, N. C. Massaging and vibrating machine. 1,797,306; Mar. 24.
Webb, Arthur B., Milwaukee, Wis., assignor to The Rightway Corporation. Snow remover. 1,805,121; May 12.
Webb, Christopher F., Kenton, assignor, by mesne assignments, to The Bell Punch and Printing Co. Limited, Uxbridge, Middlesex, England. Printing machine. 1,815,534; July 21.
Webb, Deane H., Bend, Oreg. Electromagnetic pick-up tool. 1,787,922; Jan. 6.
Webb, Edmond F., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Grommet. 1,800,578; Apr. 14.
Webb, Edward L., West Liberty, Iowa. Grinder. 1,811,069; June 23.
Webb, Edwin W. (See Barber, F. L., and Webb.)
Webb, Ernest H., Denver, and C. C. Berry, Montrose, Colo. Lock for automobiles. 1,822,681; Sept. 8.
Webb, Frank C. (See Johnson, Colvin L., assignor.)
Webb, George, West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Washing machine. 1,805,558; May 19.
Webb, George R. (See Stunz, William P., assignor.)
Webb, George S., Aura, Ill. Wheel for vehicles. 1,830,075; Nov. 3.
Webb, George W. C., London, assignor of one-half to S. C. Smith, Bedfordshire, England. Form of reduction gear. 1,828,795; Oct. 27.
Webb, H. R., Neckwear & Mfg. Co. (See Klunk, William C., assignor.)
Webb, Harry A., Hamden, assignor to The Wemith Corporation, New Haven, Conn. Attachment for smoking pipes. 1,829,076; Oct. 27.
Webb, Harry N. (See Webb, Harry R. and H. N.)
Webb, Harry R. and H. N., Grantham, England. Device for balancing bodies adapted for rising and falling movement. 1,808,273; June 2.
Webb, Harry R. and H. N., Grantham, England. Device for balancing bodies having a rising and falling movement. 1,829,694; Oct. 27.
Webb, Harry R. and H. N., Grantham, England. Device for balancing bodies capable of a rising and falling movement. 1,834,661; Dec. 1.
Webb, Harry R. and H. N., Grantham, England. Device for balancing bodies capable of a rising and falling movement. 1,834,662; Dec. 1.
Webb, Hartwell W., assignor to A C Spark Plug Company, Flint, Mich. Preparation of flexible cables. 1,808,193; June 2.

Webb, Hartwell W., assignor to A C Spark Plug Company, Flint, Mich. Preparation of flexible cables. 1,808,194; June 2.
Webb, Irving F. (See Eames, G. M., and Webb.)
Webb, Irving F., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Power transmitting device. 1,823,963; Sept. 22.
Webb, Jervis B. (See De Costa, James S., assignor.)
Webb, John B. (See Saurman, A. B., and Webb.)
Webb, John H., Wilmington, Calif. Centrifugal separator. 1,832,269; Nov. 17.
Webb, John R., Parkersburg, W. Va. Ice tongs. 1,824,644; Sept. 22.
Webb, Nelson W., assignor to Eastwood Wire Corporation, Belleville, N. J. Woven wire belt for paper-making machines. 1,821,412; Sept. 1.
Webb, Nelson W., assignor to Eastwood Wire Corporation, Belleville, N. J. Woven-wire belt for paper-making machines. 1,821,453; Sept. 1.
Webb, Nelson, W., assignor to Eastwood Wire Corporation, Belleville, N. J. Woven-wire belt for paper-making machines. 1,821,454; Sept. 1.
Webb, Nelson W., assignor to Eastwood Wire Corporation, Belleville, N. J. Woven-wire belt for paper-making machines. 1,821,455; Sept. 1.
Webb, Nelson W., assignor to Eastwood Wire Corporation, Belleville, N. J. Woven-wire belt for paper-making machines. 1,821,456; Sept. 1.
Webb, Robert C., Baton Rouge, La. Building wall slab. 1,827,632; Oct. 13.
Webb, Robert R., assignor to C. R. Hadley Company, Los Angeles, Calif. Loose-leaf binder. 1,800,420; Apr. 14.
Webb, Robert R., assignor to Charles R. Hadley Company, Los Angeles, Calif. Loose-leaf file. 1,827,273; Oct. 13.
Webb, Robert R., assignor to C. R. Hadley Company, Los Angeles, Calif. Tray binder. 1,831,938; Nov. 17.
Webb, Scott E., Santa Rosa, Calif. Delivery valve for liquid delivery trucks. 1,809,432; June 9.
Webb, Stuart W., Brookline, J. G. Callan, Cambridge, and A. Allen, Winchester, assignors, by mesne assignments, to Eastern Manufacturing Company, Boston, Mass. Apparatus for use in finishing paper. 1,804,483; May 12.
Webb, William R. (See Donohue, J. M., Webb, and Seel.)
Webber, Arthur. (See McKnight, R. R., and Webber.)
Webber, Charles S. (See Staud, C. J., and Webber.)
Webber, Charles S., Springfield, Mass., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Hydrolysis of cellulose acetate. 1,826,335; Oct. 6.
Webber, Charles S., Springfield, Mass., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Process for the benzoylation of cellulose. 1,831,274; Nov. 10.
Webber, Charles S., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of multiple esters of cellulose and the products thereof. 1,836,695; Dec. 15.
Webber, George R., assignor to Polar Vend Corporation, Augusta, Me. Distributing device. 1,796,133; Mar. 10.
Webber, Ralph, Clover, S. C. Slub catcher. 1,814,353; July 14.
Webber, Robert A. (See Schur, M. O., and Webber.)
Webber, William P., and R. J. Wippermann, Brooklyn, N. Y. Circuit controller. 1,833,765; Nov. 24.
Webb's Beverages (Canada) Limited. (See McPhee, George, assignor.)
Weber, Carl, assignor to Shore-Line Builders, Inc., Jacksonville, Fla. Concrete retaining wall. 1,829,463; Oct. 27.
Weber, Carl C. J., Odense, Denmark. Sheet-laying-on machine. 1,830,818; Nov. 10.
Weber, Charles, Pearson, Wash. Attachment for drilling machines or drills. 1,813,785; July 7.
Weber, Charles, Newark, N. J. Coin chute for vending machines. 1,813,977; July 14.
Weber, Charles, Newark, N. J., assignor to American Coin Selector Corporation, New York, N. Y. Coin chute. 1,793,886; Feb. 24.
Weber, Charles, Newark, N. J., assignor, by mesne assignments, to Peggy O'Neal Cigar Corporation, New York, N. Y. Coin-controlled vending device. 1,795,810; Mar. 10.
Weber Costello Company. (See Lawton, Robert B., assignor.)
Weber Dental Manufacturing Company, The. (See Weber, Henry E., assignor.)
Weber Electric Company. (See Butler, W. L., Fabrey, and Weber, assignors.)
Weber Electric Company. (See Walsh, Nicholas J., assignor.)
Weber Electric Company. (See Weber, John, assignor.)
Weber, Emil, Evansville, Ind. Umbrella and parasol handle. 1,827,862; Oct. 20.
Weber, Frederick C., Eastchester, N. Y. Deodorant powder. 1,813,004; July 7.
Weber, George L., Philadelphia, Pa. Planetary gear wheel for power vehicles. 1,832,598; Nov. 17.
Weber, Guillaume, Hayange, assignor to les Petits Fils de Francois de Wendel, Paris, France. Apparatus for supplying gas for blowpipe work. 1,834,753; Dec. 1.
Weber, Harry M., assignor to Ellis-Foster Company, Montclair, N. J. Nitrocellulose coating composition. 1,835,105; Dec. 8.
Weber, Henry E., Canton, Ohio. Adjustable bracket arm. 1,791,230; Feb. 3.
Weber, Henry E., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Dental chair elevator. 1,814,874; July 14.
Weber, Henry E., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Dental unit standard. 1,814,875; July 14.
Weber, Henry E., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Headrest. 1,814,876; July 14.
Weber, Henry E., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Dental chair. 1,814,877; July 14.
Weber, Hermann, Paterson, N. J. Cork sterilizer cage. 1,816,923; Aug. 4.
Weber, Jacob F., assignor to The Peerless Level & Tool Company, Sterling Ill. Spirit level. 1,821,534; Sept. 1.
Weber, Jacob H., assignor to A. Breslauer, Inc., New York, N. Y. Therapeutical device. 1,820,895; Aug. 25.
Weber, John. (See Butler, W. L., Fabrey, and Weber.)
Weber, John, assignor, by mesne assignments to The American-National Company, Toledo, Ohio. Wheel for juvenile vehicles. Des. 84,450; June 16.
Weber, John, assignor to Alpine Electric Corporation, Schenectady, N. Y. Electric-lamp socket. Des. 85,793; Dec. 15.
Weber, John, assignor to Alpine Electric Corporation, Schenectady, N. Y. Electric-lamp socket. Des. 85,794; Dec. 15.
Weber, John, assignor to Alpine Electric Corporation, Schenectady, N. Y. Electric-lamp socket. Des. 85,795; Dec. 15.
Weber, John, assignor to Weber Electric Company, Schenectady, N. Y. Electric lamp socket casing. 1,817,025; Aug. 4.
Weber, John D., Upper Lake, Calif. Aircraft. 1,823,417; Sept. 15.
Weber, John R., et al. (See Paulson, George W., assignor.)
Weber, Josef, Essen-Ruhr, H. Schrader, Essen-Ruhr and E. Wiedbrauck, Ammendorf, assignors to the firm of Th. Goldschmidt A.-G., Essen-Ruhr, Germany. Process of and apparatus for producing alkyl oxids. 1,792,668; Feb. 17.
Weber, Joseph L., Green Bay, Wis., assignor to Weber-McDonald Wall Tie Company. Form tie for concrete structures. 1,803,819; May 5.
Weber, Julius, and A. von Zeerleder, assignors to Aluminum Industrie Aktiengesellschaft, Neuhausen, Switzerland. Electrolytic refining of aluminum. 1,833,806; Nov. 24.
Weber, Ludwig, Berlin, Germany. Manufacturing briquettes from clay, sulphite liquor, and carbonaceous material. 1,791,077; Feb. 3.
Weber, Mathias J., assignor to Healthometer Company, Chicago, Ill. Combined lever and coil spring type of scale. 1,824,698; Sept. 22.
Weber-McDonald Wall Tie Company. (See Weber, Joseph L., assignor.)
Weber, Ottomar, Rathen-on-the-Elbe, Germany. Covering cultivated ground. 1,810,262; June 16.
Weber, Paul, Olten, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Air pressure regulator. 1,836,416; Dec. 15.
Weber, Ralf E., Oakland, assignor to A. U. Magnan, Los Angeles, Calif. Separation apparatus for food remnants. 1,822,469; Sept. 8.
Weber, Robert, Los Angeles, Calif. Chuck. 1,825,219; Sept. 29.
Weber, Victor A. (See Adams, E. R., Weber, and Smith.)
Weber, Walter H., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 1,815,019; July 14.
Weber, Walter H., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 1,924,852; Sept. 29.
Weber, William H., South Bend, Ind., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Combined fender and head lamp. Des. 83,482; Feb. 24.
Webre, Alfred L., Merion, Pa., assignor to United States Pipe & Foundry Company, Burlington, N. J. Vacuum pan. 1,835,250; Dec. 8.
Webre, Alfred L., Merion, Pa., assignor to United States Pipe & Foundry Company, Burlington, N. J. Vacuum pan. 1,835,620; Dec. 8.
Webre, Alfred L., Merion, Pa., assignor to United States Pipe & Foundry Company, Burlington, N. J. Vacuum pan. 1,835,621; Dec. 8.
Webster, Andrew B. (See Nakagawa, Harry, assignor.)
Webster, Charles H., Birmingham, Ala. Bleeder for air brake systems. 1,836,417; Dec. 15.
Webster, Clarence H., London, assignor to R. W. Crabtree & Sons, Limited, Leeds, England. Machine for rewinding webs of papers, applicable for similar purposes. 1,806,774; May 26.
Webster, Duane E., assignor to Norton Company, Worcester, Mass. Abrasive article. 1,832,515; Nov. 17.
Webster, Edward S. (See Gillette, R. T., and Webster.)
Webster Electric Company. (See Hutter, William H., assignor.)
Webster, Floyd R. (See Locke, S. J., and Webster.)
Webster, George C., Los Angeles, Calif. Trimming knife and blade holder. 1,825,108; Sept. 29.
Webster, Harry A. (See Jones, A., and Webster.)
Webster, Harry A., assignor to Armstrong Cork Company, Lancaster, Pa. Printing of floor covering and the like. 1,816,103; July 28.

Webster, Hosea, Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler and operating the same. 1,834,261; Dec. 1.
Webster, Lewis E., Wilkes-Barre, Pa. Split D handle for shovels and other implements. 1,822,761; Sept. 8.
Webster, Lewis E., assignor to The Wyoming Shovel Works, Wyoming, Pa. Back strap shovel. 1,807,883; June 2.
Webster, Lewis E., Wilkes-Barre, Pa. Making split-D handles and other implements. 1,835,545; Dec. 8.
Webster, Lewis E., Wilkes-Barre, Pa. Mechanism for forming split-D handles. 1,835,546; Dec. 8.
Webster Manufacturing Company. (See Heule, E. J., and Novak, assignors.)
Webster, Melvin L., Independence, Iowa. Insulated case. 1,813,786; July 7.
Webster, Melvin L., Independence, Iowa. Heat insulating case. 1,813,787; July 7.
Webster, Raymond, assignor to Gleason Works, Rochester, N. Y. Grinding machine. 1,802,798; Apr. 28.
Webster, Raymond B., A. I. Fagerlie, and I. C. Barager, Eau Claire, Wis. Chewing gum confection. 1,810,453; June 16.
Webster, Richard H., Richmond Heights, Mo. Sealing device. 1,826,033; Oct. 6.
Webster, Robert A., Santa Monica, Calif. Projection printer. 1,808,274; June 2.
Webster, Robert C., assignor to W. & J. Knox Net and Twine Company, Baltimore, Md. Manufacture of tennis nets. 1,813,717; July 7.
Webster, Samuel T. (See Arter, W., Arter, and Webster.)
Webster, Towner K., jr., Winnetka, Ill. Lamp. Des. 85,069; Sept. 8.
Webster, Walter H., assignor to The O. P. Schriver Company, Cincinnati, Ohio. Universal coupling for jack-actuating handles. 1,799,488; Apr. 7.
Webster, Warren, & Company. (See Fitts, James L., assignor.)
Webster, William R., and W. R. Clark, Bridgeport, Conn. Metal rolling mill screw down control. 1,814,354; July 14.
Webster, William S., Roslindale, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Vernier. 1,805,154; May 12.
Webster, William T., Pelham, N. Y., and C. L. Wagner, Boonton, N. J. Foam abatement and chemical recovery. 1,836 563; Dec. 15.
Wechsler, Jacques, North Arlington, N. J. Awning. 1,801,534; Apr. 21.
Wechter, Eugene J., Speed, assignor to Louisville Cement Company, Louisville, Ky. Roasting ores. 1,832,069; Nov. 17.
Wecker, Andrew J., Dayton, Ohio. Doorstop. 1,808,393; June 2.
Wecksberg, Anna M. C., et al., trustees. (See Coppus, Frans H. C., assignor.)
Weckstein, Samson, M., Canton, assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing construction. 1,824,002; Sept. 22.
Wedger, Walter L., Belmont, and J. W. Edmands, Newton Highlands, Mass., assignors, by mesne assignments, to Central Railway Signal Company, Inc. Fire extinguishing composition. 1,807,456; May 26.
Wedhorn, Ernest O., Detroit, Mich. Router cutter. 1,789,793; Jan. 20.
Wedler, Harry G., et al. (See Fisher, Albert H., assignor.)
Wedmore, Edmund B. (See Whitney, W. B., and Wedmore.)
Weeber, Otto, and O. Soldan, Berlin, Germany, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin Germany. Desk telephone. Des. 85,679; Dec. 1.
Weed, Harry D. Southport, Conn. Antiskid tire chain. 1,813,718; July 7.
Weed, James M., Schenectady, N. Y., assignor to General Electric Company. Arc welding electrode. 1,814,878; July 14.
Weekley, Cecil C. (See Harding, W. E., and Weekley.)
Weeks, Carl, Des Moines, Iowa. Holder for nonfluid cosmetics. 1,816,240; July 28.
Weeks, Carl, Des Moines, Iowa. Powder holder. 1,816,241; July 28.
Weeks, Ernest B., Biloxi, Miss. Pole carrier attachment for vehicles. 1,827,498; Oct. 13.
ratus for transferring cargoes by crane. 1,808,873; June 9.
Weeks, Francis H., New York, N. Y. Method and appa-
Weeks, George E. (See Stephens, Arnold A., assignor.)
Weeks, Ralph M., New London, assignor to Electric Boat Company, Groton, Conn. Stuffing box. 1,805,155; May 12.
Weeks, Virgil E., Kansas City, Mo. Billfold. 1,825,496; Sept. 29.
Weeks, William J., Florence, S. C. Stand for holding rolled sheet materials. 1,818,772; Aug. 11.
Weeks, William W., Brooklyn, N. Y., assignor to Elevator Supplies Company, Inc. Elevator door operating mechanism. 1,807,231; May 26.
Weesner, Clay, assignor to The Hoosier Manufacturing Company, New Castle, Ind. Extension-table lock. 1,793,979; Feb. 24.
Weesner, Walker J., Indianapolis, Ind. Automatic fluid flow control. 1,832,070; Nov. 17.
Weesner, Walker J., Indianapolis, Ind. Automatic closing device for windows. 1,836,098; Dec. 15.
Wege, Peter M., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Desk top. Re18,057; Apr. 28.
Wege, Peter M., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Calculator desk construction. 1,827,128; Oct. 13.
Wege, Peter M., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Knockdown metal desk. 1,831,471; Nov. 10.
Wege, Philip. (See Rolfs, B., and Wege.)
Wegehoft, John H., St. Louis, Mo. Illuminated built-in mail box. 1,819,398; Aug. 18.
Wegel, Raymond L., New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated. Sound radiator. 1,837,385; Dec. 22.
Wegel, Raymond L., New York, N. Y., and C. R. Moore, Maplewood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Harmonic analyzer and switching mechanism therefor. 1,799,202; Apr. 7.
Wegener, Henry G. (See Suppiger, G. S., and Wegener.)
Weger, Kurt. (See Jonas, O., Weger, and Trebitz.)
Wegner, Carl F. (See Brandl, A., and Wegner.)
Wegner, Gustav W., Chicago, Ill. Match-box holder. 1,788,002; Jan. 6.
Wegner, Rudolph, Sheboygan, Wis. Guide for flush-tank valves. 1,799,770; Apr. 7.
Wegner, Walter F., assignor to Fruit Belt Preserving Company, East Williamson, N. Y. Cooling canned goods and apparatus used in such method. 1,829,717; Oct. 27.
Wego, Peter C., St. Paul, assignor to Standard Conveyor Company, North St. Paul, Minn. Protected bearing for conveyer rollers. 1,793,346; Feb. 17.
Wehe, Waldemar C. (See Killen, Dan J., assignor.)
Wehinger, Frederick, assignor to The Waterbury Clock Co., Waterbury, Conn. Ratchet mechanism for timepieces. 1,798,918; Mar. 31.
Wehler, Russell S., York, Pa. Score card. 1,801,891; Apr. 21.
Wehman, Frederick G., West Nyack, assignor to The Fibre Conduit Company, Orangeburg, N. Y. Housed outlets. 1,820,995; Sept. 1.
Wehmann, Friedrich W., Stockholm, and E. R. Dahlström, assignors to Aktiebolaget Formator, Stockholm, Sweden. Machine for stripping tobacco leaves. 1,826,376; Oct. 6.
Wehn, Charles E., assignor to Listo Pencil Corporation, Alameda, Calif. Pencil 1,826,266; Oct. 6.
Wehner, Anton T., San Francisco, Calif. Permanent-hair-waving apparatus. 1,800,271; Apr. 14.
Wehner, Michael, Kansas City, Mo. Directional signal for motor vehicles. Des. 85,270; Sept. 29.
Wehner, Peter P., Cincinnati, Ohio. Animated toy. 1,805,156; May 12.
Wehr, Earl R., and C. C. Mahlie, assignors to The American Rolling Mill Company, Middletown, Ohio. Coated metal body. 1,788,755; Jan. 13.
Wehr Motor Company, The. (See Wehr, Rudolph, assignor.)
Wehr, Rudolph, Los Angeles, Calif. Valve construction. 1,836,738; Dec. 15.
Wehr, Rudolph, Los Angeles, Calif., assignor to The Wehr Motor Company. Internal-combustion engine. 1,787,649; Jan. 6.
Wehr, Rudolph, Los Angeles, Calif., assignor to The Wehr Motor Company. Valve construction. 1,791,778; Feb. 10.
Wehr, William G., East Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Paper roll handling mechanism. 1,807,360; May 26.
Wehr, William G., East Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Pipe grab. 1,833,545; Nov. 24.
Wehrle Company, The. (See Pickup, George E., assignor.)
Wehrle, W. F. (See Vajda, Emery, assignor.)
Wehrli, Walter. (See Karrer, P., and Wehrli.)
Weibrecht, John, assignor to The Keuffel & Esser Company, Hoboken, N. J. Tape reel. 1,832,674; Nov. 17.
Weibull, Ernst H. W., Saltsjobaden, assignor to Aktiebolaget Nordiska Armaturfabrikerna, Stockholm, Sweden. Beating or hammering tool. 1,791,988; Feb. 10.
Weibull, Ernst H. W., Saltsjobaden, assignor to Aktiebolaget Nordiska Armaturfabrikerna, Stockholm, Sweden. Hammering tool. 1,816,104; July 28.
Weibull, Ernst H. W., Saltsjobaden, and E. G. Hysing, assignors to Aktiebolaget Nordiska Armaturfabrikena, Stockholm, Sweden. Striking tool. 1,819,139; Aug. 18.
Weichelt, Carl L., assignor to Wirt Company, Philadelphia, Pa. Variable resistance device. 1,831,052; Nov. 10.
Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Alternating-current motor. 1,795,063; Mar. 3.
Weick, Frederick, Falls City, Nebr. Spring contracting tool. 1,838,598; Dec. 29.
Weide, Rudolph. (See Duncan, J. K., and Weide.)
Weide, Rudolph, Berlin, Germany. Manufacturing cylindrical plates of glass or a similar material for use in connection with polygraphic apparatus. 1,808,442; June 2.
Weidehoff, Georg, Charlottenburg, Germany, assignor to General Electric Company. Elastic fluid turbine. 1,827,682; Oct. 13.
Weidemann, Ludwig P., Rudkobing, Denmark. Ball of thread with protecting winding for sheaf binders. 1,789,794; Jan. 20.

Weidenfeller, Patrick, Grand Rapids, Mich. Carburetor. 1,792,053; Feb. 10.
Weidlein, Edward, Augusta, Kans. Automatic gate. 1,819,984; Aug. 18.
Weidler, Ward W., assignor to The Atlas Bolt & Screw Company, Cleveland, Ohio. Scale mechanism. 1,827,499; Oct. 13.
Weidlich Bros. Mfg. Co., The. (See Flauder, Alfred J., assignor.)
Weidlich Bros. Mfg. Co., The. (See Weidlich, L., and Flauder, assignors.)
Weidlich, Louis, Stratford, and A. J. Flauder, Bridgeport, assignors to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Jewelry cabinet. 1,831,401; Nov. 10.
Weidlich Sterling Spoon Co. (See Flauder, Alfred J., assignor.)
Weidlich, William A. (See Hemingway, H. J., and Weidlich.)
Weidman, Charles F., Vicksburg, Miss. Curve-drawing instrument. 1,789,795; Jan. 20.
Weidman, Frank A., Esperance, N. Y. Flash light. 1,816,065; July 28.
Weidman, Frederick W., Drumright, Okla. Air mail unloading and pick-up apparatus. 1,821,599; Sept. 1.
Weidmann, Albert, Buffalo, N. Y. Captive cap. 1,811,904; June 30.
Weidmann, Hans. (See Conway, Baron von Girsewald, Weidmann, and Roesner.)
Weidmann, Hans, Frankfort-on-the-Main, Germany. Separating zinc sulphate from sodium sulphate. 1,787,806; Jan. 6.
Weidner, Ralph I., assignor to Dexdale Hosiery Mills, Lansdale, Pa. Knitting machine. 1,790,632; Jan. 27.
Weidner, Walter G., Reading, Pa. Screw hoist. 1,792,339; Feb. 10.
Weigand, Carl, Cincinnati, Ohio. Circuit breaker. 1,800,710; Apr. 14.
Weigand, Henry, Wilkes-Barre, and O. E. Schobert, Pittston, assignors to Penn Tobacco Company, Wilkes-Barre, Pa. Beater. 1,802,040; Apr. 21.
Weigel, Albert, assignor to the firm: Vesuvio Feuerungsbau-Gesellschaft mit beschrankter Haftung, Munich, Germany. Heating furnace. 1,818,661; Aug. 11.
Weigel, Albert C., East Orange, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler. 1,832,071; Nov. 17.
Weigel, Alois, Kintyre, N. Dak. Plow lay attaching device. 1,832,162; Nov. 17.
Weigel, Carl F., assignor to The Walsh & Weidner Boiler Co., Chattanooga, Tenn. Solid water wall for boilers and the like. 1,826,293; Oct. 6.
Weigel, Rothe. (See Noyes, H. F., and Weigel.)
Weigel, Rothe, and H. W. Easterwood, Nashville, Tenn., assignors to Victor Chemical Works. Manufacture of phosphorus and phosphorus compounds by volatilization processes. 1,818,662; Aug. 11.
Weiger, Joseph A., Union City, N. J., assignor, by mesne assignments, to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Valve seat. 1,822,682; Sept. 8.
Weigle, Ernst, Stuttgart, Germany. Syringe. 1,837,932; Dec. 22.
Weightman, William A. (See Eksergian, C. L., and Weightman.)
Weigt, George A. (See Miller, J. J., and Weigt.)
Weil, Albert T., Union City, N. J., assignor to American Lead Pencil Company, New York, N. Y. Mechanical lead pencil. 1,836,143; Dec. 15.
Weil, Emile, New Orleans, La. Masonry wall and dampproof insert therefor. 1,833,925; Dec. 1.
Weil, Ferdinand, Berlin, assignor to the firm of Ochs & Bonn, Hanau-on-the-Main, Germany. Case and frame for pictures or other articles. 1,792,948; Feb. 17.
Weil, Louis A., Detroit, Mich. Stud driver. 1,817,049; Aug. 4.
Weil, Maximilian, New York, N. Y. Sound amplifying system. 1,820,996; Sept. 1.
Weil, William H., Hollis, assignor to Stransky Products Corporation, New York, N. Y. Mop-cleaning device. 1,795,416; Mar. 10.
Weiland, Henry J. (See Gubelmann, I., and Weiland.)
Weiland, Henry J. (See Gubelmann, I., Weiland, and Stallmann.)
Weiland, Henry J., and I. Gubelmann, South Milwaukee, Wis., assignors, by mesne assignments, to Newport Chemical Corporation. Isolation and purification of benzidine and its substitution products. 1,794,097; Feb. 24.
Weiland, Henry J., and I. Gubelmann, South Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Separation of alpha mono substituted naphthalenes from their beta isomers. 1,836,211; Dec. 15.
Weiland, Henry J., and I. Gubelmann, South Milwaukee, Wis., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Purification of p-nitro-toluene. 1,836,212; Dec. 15.
Weiland, Paul. (See Dixon, Howard F., and Weiland.)
Weil-McLain Company. (See Stockwell, William R., assignor.)
Weiler, Millard K., Greenwood, Miss. Finger ring. Des. 85,900; Dec. 29.
Weimar, Earl. (See Miller, J. J., and Weigt, assignors.)
Weimer, George W. (See Brauer, A. C., and Weimer.)
Weimer, Hugo W., Milwaukee, Wis. Rotary screen. 1,819,049; Aug. 18.
Weimers, Wilhelm, Berlin, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Centrifugal liquid sprayer. 1,817,328; Aug. 4.
Wein, Julius H., San Francisco, Calif. Necktie stretcher. 1,834,262; Dec. 1.
Weinand, Klaus, Flittard, near Cologne-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Hydroaryl amino anthraquinone compounds and making same. 1,821,043; Sept. 1.
Weinberg, Abraham, assignor to H. B. Hardenburg Corporation, Linden, N. J. Bill fold. 1,815,083; July 21.
Weinberg, Alexander, New York, N. Y. Ball game apparatus. 1,808,802; June 9.
Weinberg, Alexander, New York, N. Y. Game apparatus. 1,820,515; Aug. 25.
Weinberger, Anton, Munich, Germany, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Transmission-line support. 1,794,998; Mar. 3.
Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Phonograph sound box. 1,795,154; Mar. 3.
Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. System for optically recording phonograph records. 1,810,234; June 16.
Weinbrenner, George, Detroit, Mich. Revolving center for horizontal wheels. 1,788,445; Jan. 13.
Weindel, Fred, jr., Allentown, Pa., assignor to The E. Ingraham Company, Bristol, Conn. Clock dial or similar article. Des. 85,357; Oct. 13.
Weindel, Fred, jr., Allentown, Pa., assignor to The E. Ingraham Company, Bristol, Conn. Clock dial or similar article. Des. 85,358; Oct. 13.
Weindel, Fred, jr., assignor to L. F. Grammes & Sons, Inc., Allentown, Pa. Card novelty. 1,823,241; Sept. 15.
Weiner, Bernard, Prague-Dejvice, Czechoslovakia. Calculating machine. 1,813,830; July 7.
Weiner, Jacob, Company. (See Weiner, Jacob, assignor.)
Weiner, Jacob, Newark, N. J., assignor to J. Weiner Company, Inc., New York, N. Y. Mail distributing device. 1,812,419; June 30.
Weiner, Julius, Philadelphia, Pa., and S. B. Sklar, Minneapolis, Minn. Expansion compensating device for valve actuating mechanism. 1,815,134; July 21.
Weiner, Samuel E., assignor to H. H. Newberger, Chicago, Ill. Cap. 1,812,420; June 30.
Weingand, Richard. (See Czapek, E., and Weingand.)
Weingart, Richard, assignor to Eveready Pen Company, Inc., New York, N. Y. Closure device for fountain pens. 1,805,347; May 12.
Weingart, Richard, assignor to Eveready Pen Company, Inc., New York, N. Y. Fountain pen. 1,805,348; May 12.
Weingartner, Anthony E., Bethlehem, Pa. Pressing device. 1,828,582; Oct. 20.
Weingartner, Anthony E., Bethlehem, assignor to American Engineering Company, Philadelphia, Pa. Submarine life saving system. 1,831,726; Nov. 10.
Weingartner, William, Irvington, N. J., assignor to Westinghouse Lamp Company. Filament mounting. 1,807,885; June 2.
Weinhardt, Robert A., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,792,520; Feb. 17.
Weinhardt, Robert A., assignor to Packard Motor Car Company, Detroit, Mich. Cushioned connecting means for motor vehicles. 1,830,149; Nov. 3.
Weinhart, Howard W., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 1,836,829; Dec. 15.
Weinheim, Emil, New York, N. Y. Synchronously positive feed. 1,805,122; May 12.
Weinheim, Emil, New York, N. Y. Impregnating and coating flexible materials. 1,805,730; May 19.
Weinland, Hermon G., assignor to The Safety Grinding Wheel & Mch. Company, Springfield, Ohio. Grinding wheel testing apparatus. 1,805,896; May 19.
Weinland, Hermon G., and G. E. Vance, assignors to The Safety Grinding Wheel & Machine Company, Springfield, Ohio. Machine for trimming abrasive wheels. 1,833,667; Nov. 24.
Weinlich, Hermann A., Berlin, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Typewriter controlled perforating machine. 1,803,954; May 5.
Weinlich, Hermann A., Berlin, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Printing mechanism for accounting machines. 1,817,501; Aug. 4.
Weinreich, Christ G., St. Louis, Mo. Lifting device. 1,807,361; May 26.
Weinrub, Harry, New York, N. Y. Control for knitting machines. Re18,074; May 19.
Weinrub, Harry, New York, N. Y. Control for knitting machines. 1,791,989; Feb. 10.
Weinstein, Louis H. (See Dickstein, S., and Weinstein.)
Weinstein, Philip, New York, N. Y. Folding drier reel for fishing lines. 1,793,980; Feb. 24.
Weintraub, Harry H., assignor to Kardad, Inc., Wilkes-Barre, Pa. Set of playing cards. Des. 85,406; Oct. 20.
Weintraub, Harry H., assignor of one-half to M. Dattner, Wilkes-Barre, Pa. Set of playing cards. Des. 85,407; Oct. 20.
Weintraub, Jacob B., Miami, Fla. Magnifying glass for radio dials. 1,837,638; Dec. 22.
Weintogl, Karl. (See Hochmayr, Franz, assignor.)

Weinzierl, Joseph T. (See Gage, L. F., Wood, and Weinzierl.)
Weinzierl, Joseph T. (See Straub, F. J., and Weinzierl.)
Weir, Claude V., Toronto, Ontario, Canada. Apparatus for proportioning the components of aggregate material by weight measurement. 1,829,026; Oct. 27.
Weir, G. & J., Limited. (See Sim, James, assignor.)
Weir, G. & J., Limited. (See Weir, James G., assignor.)
Weir, Gordon E., Bayside, N. Y., assignor to Typocalculator, Inc. Calculator. 1,838,972; Dec. 29.
Weir, Harry N., assignor to The Noble & Wood Machine Co., Hoosick Falls, N. Y. Jordan engine plug. 1,814,879; July 14.
Weir, Harry N., assignor to The Noble & Wood Machine Co., Hoosick Falls, N. Y. Jordan engine plug. 1,819,050; Aug. 18.
Weir, James B., New Dorp, N. Y., assignor to Standard Mirror Company, Inc., Buffalo, N. Y. Elapsed-time indicator. 1,790,359; Jan. 27.
Weir, James G., Cathcart, Glasgow, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Feed-water regulator for boilers. 1,795,190; Mar. 3.
Weir, Robert M., Montreal, Quebec, Canada, assignor to Asphalto Concrete Corporation. Apparatus for stripping molds from pipes. 1,821,128; Sept. 1.
Weir, William S., and A. P. Foley, Pittsburgh, Pa. Flexible coupling. 1,793,347; Feb. 17.
Weis, Albert H., Nyack, N. Y. Radio indicator. 1,789,029; Jan. 13.
Weis, Albert H., Nyack, N. Y. Elastic strip attachment for sewing machines. 1,816,627; July 28.
Weis, Andrew L., Fort Lauderdale, Fla. Automobile signaling apparatus. 1,832,675; Nov. 17.
Weis, Arthur R. (See Bigelow, G. E., and Weis.)
Weis, Arthur R., assignor of one-half to Pacific Pump Works, Huntington Park, Calif. Centrifugal impeller locating and locking means. 1,822,945; Sept. 15.
Weis, August, and F. Schippers, Brooklyn, assignors to R. Hoe & Co. Inc., New York, N. Y. Web-cutting mechanism. 1,797,278; Mar. 24.
Weis, Henry, Manufacturing Company. (See Barker, H. E., and Baum, assignors.)
Weis, Henry T., Fairmont, W. Va. Cleaning condensers and the like. 1,807,457; May 26.
Weis, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Powder-puff-sewing machine. 1,788,417; Jan. 13.
Weis, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Machine for making multiple seams. 1,809,460; June 9.
Weis, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Making multiple seams. 1,809,461; June 9.
Weis, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Machine and method for stitching shoe uppers. 1,809,462; June 9.
Weis, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Machine and method for forming French-felled seams. 1,809,463; June 9.
Weis, John P., assignor to Metropolitan Sewing Machine Corp., Nyack, N. Y. Upside down sewing machine. 1,816,626; July 28.
Weis Manufacturing Company, The. (See Matthes, Harold L., assignor.)
Weis, Paul B., Aurora, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for stripping covered strands. 1,800,917; Apr. 14.
Weis, Richard, Stuttgart-Zuffenhausen, Germany. Bearing. 1,831,430; Nov. 10.
Weis, Samuel W. (See Gentile, Marino, assignor.)
Weisbach, C. H., Kommanditgesellschaft. (See Sichert, Max R., assignor.)
Weisberg, Leon, Philadelphia, Pa. Composition of matter for putty. 1,828 885; Oct. 27.
Weisberg, Sidney M., Brooklyn, N. Y., assignor to Nathan Chirelstein, Newark, N. J. Tire inflation device. 1,818,178; Aug. 11.
Weise, Alfred, New York, N. Y. Umbrella. 1,820,639; Aug. 25.
Weise, Paul, Wiesdorf-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Dehydration and decomposition of iron sulphates. 1,813,649; July 7.
Weise, Paul, Wiesdorf-on-the-Rhine, and F. Specht, Cologne-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Refining of chromium ores. 1,828,756; Oct. 27.
Weisenbach, Leo, Cedarhurst, assignor to The King-Scheerer Corporation of America, New York, N. Y. Bone-fracture clamp. 1,789,060; Jan. 13.
Weisenburg, Andrew, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Closure cap. Des. 84,966; Aug. 25.
Weiser, John E., Wooster, Ohio. Safety ladder platform. 1,836,516; Dec. 15.
Weiset, Max, Tempelhof, near Berlin, Germany. High tension electric cable with paper insulation. 1,814,102; July 14.
Weisgerber, Edwin C., Los Angeles, Calif. Expansible fish tail bit. 1,819,273; Aug. 18.
Weishaar, Christian, Englishtown, N. J. Lesson drill tablet. 1,830,150; Nov. 3.
Weiske, Paul, and K. Rupprecht, Berlin, Germany, assignor to General Electric Company. Motor control system. 1,828,583; Oct. 20.
Weisker, Ellis, New York, N. Y. Photostatic printing apparatus. 1,813,689; July 7.
Weisker, Ellis, New York, N. Y. Photographic apparatus. 1,813,690; July 7.
Weisker, Ellis, New York, N. Y. Photographic copying apparatus. 1,821,129; Sept. 1.
Weisker, Ellis, Bronx, N. Y. Method and apparatus for illuminating objects to be reproduced. 1,831,152; Nov. 10.
Weisman, John C. (See Gercich, F. A., and Weisman.)
Weisman, Maurice. (See Gerard, A., and Weisman.)
Weisner, Harry, Philadelphia, Pa. Sewing machine. 1,828,886; Oct. 27.
Weiss, Abraham, New York, N. Y. Steering device. 1,806,136; May 19.
Weiss, Abraham, New York, N. Y. Locking device for motor vehicles. 1,810,381; June 16.
Weiss, Albert F., et al. (See Weiss, Albert F., assignor.)
Weiss, Albert F., assignor, by mesne assignments, of one-half to A. F. Weiss and one-half to E .V. Kline, University City, Mo. Safety razor blade sharpener. Des. 85,218; Sept. 22.
Weiss, Carl W., New York, N. Y. Universal joint. 1,799,660; Apr. 7.
Weiss, Carl W., New York, N. Y. Universal joint. 1,799,661; Apr. 7.
Weiss, Carl W., New York, N. Y. Transmission. 1,822,555; Sept. 8.
Weiss, Carl W., Brooklyn, N. Y. Shock absorber. 1,799,662; Apr. 7.
Weiss, Carl W., Brooklyn, N. Y. Transmission device. 1,828,825; Oct. 27.
Weiss, George C., Venice, Calif. Clothes wringer. 1,792,879; Feb. 17.
Weiss, Hans, Uzwil, assignor to the firm Maschinenfabrick Benninger A. G., Uzwil, Switzerland. Device for stretching fabrics widthwise. 1,814,652; July 14.
Weiss, Harry H., and H. R. Emerson, Chicago, Ill. Material transfer apparatus. 1,833,627; Nov. 24.
Weiss, Herman, Brooklyn, assignor to International Stamping and Enameling Corporation, New York, N. Y. Electric vaporizer. 1,797,457; Mar. 24.
Weiss, Howard F., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Sound absorbing construction. 1,833,143; Nov. 24.
Weiss, Irving, New York, N. Y. Evaporator drip pan for radiators. 1,813,978; July 14.
Weiss, Johann, Vienna, Austria. Piston for internal combustion engines. 1,831,583; Nov. 10.
Weiss, Johann, Vienna, Austria. Light metal alloy. 1,831,584; Nov. 10.
Weiss, Ludwig, assignor to Deutsch Gold & Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Manufacture of opacifying oxides. 1,830,581; Nov. 3.
Weiss, Max, Newark, N. J. Canopy. 1,819,490; Aug. 18.
Weiss, Morris L., Newark, N. J. Abrasive mop. 1,787,965; Jan. 6.
Weiss, Philippe J., La Chaux de Fonds, Switzerland. Timepiece. 1,835,831; Dec. 8.
Weiss, Simon, Allenton, Wis. Sink catch trap. 1,798,441; Mar. 31.
Weiss, William. (See Kane, J. C., and Weiss.)
Weissberg, Isadore. (See Shenker, F. A., and Weissberg.)
Weissenboeck, Hans, Los Angeles, Calif. Lock. 1,792,949; Feb. 17.
Weissenborn, Albert. (See Knorr, A., and Weissenborn.)
Weissenborn, Albert B., assignor to Appleton Wire Works, Inc., Appleton, Wis. Power loom. 1,790,335; Jan. 27.
Weissenborn, Albert B., assignor to Appleton Wire Works, Inc., Appleton, Wis. Treating Fourdrinier wire belts. 1,811,870; June 30.
Weissenburger, George E. and G. L., Keokuk, Iowa. Refrigerating apparatus. 1,797,385; Mar. 24.
Weissenburger, George L. (See Weissenburger, George E. and G. L.)
Weissfloch, Konran K., Nuremberg, Germany. Device for filling the crank cases of motor vehicles with lubricating oil. 1,808,125; June 2.
Weissfloch, Konrad K., Nuremberg, Germany. Placard typewriting machine. 1,811,070; June 23.
Weisshaar, Heinrich, Stuttgart, Germany. Heat utilizer. 1,809,538; June 9.
Weisz, David, New York, N. Y. Combination garment and carrier bag. 1,797,208; Mar. 17.
Weit, Jean. (See Jeanneret, Abram L., assignor.)
Weith, Archie J. (See Redman, L. V., Weith, and Brock.)
Weitz, Frank H., Duryea, Pa. Coal mining and loading machine. 1,818,771; Aug. 11.
Weitzel, Henry C., Shiner, Tex. Spray nozzle. 1,815,535; July 21.
Weitzel, Robert, Paris, France. Manufacturing molded articles. 1,822,762; Sept. 8.
Weitzman, Louis, New York, N. Y. Automobile trunk or the like. Des. 84,720; July 21.
Weitzman, Louis, New York, N. Y. Automobile trunk or the like. Des. 84,721; July 21.
Weizman, Hiram C. (See Sarr, Elmer E., assignor.)
Weland, Martin E., Chicago, Ill. Handling and wrapping margarine. 1,807,458; May 26.
Welch, Elmer B. (See Comstock, G. J., and Welch.)
Welch, Elmer B. (See Firth, L. G., and Welch.)
Welch, Elmer B., assignor to Firth-Sterling Steel Company, McKeesport, Pa. Compositions of matter and making the same. 1,822,426; Sept. 8.

Welch, Elmer B., assignor to Firth-Sterling Steel Company, McKeesport, Pa. Making a composition of matter. 1,833,099; Nov. 24.
Welch, Frank E., Ann Arbor, Mich. Rotary engine. 1,790,561; Jan. 27.
Welch, George P. (See Morton, B., and Welch.)
Welch, George R., Detroit, Mich. Intake manifold for internal combustion engines. 1,816,163; July 28.
Welch, Harry J., Grafton, Ohio. Shaft seal. 1,838,799; Dec. 29.
Welch, Harry V., assignor to International Precipitation Company, Los Angeles, Calif. Electrical precipitation apparatus. 1,790,961; Feb. 3.
Welch, Hester H., et al. (See Welch, Marion E., assignor.)
Welch, Horace H., New York, N. Y. Composite gem and jewel. 1,827,695; Oct. 13.
Welch, Jack T. (See Heddon, C., and Welch.)
Welch, John B., New Orleans, La. Drying apparatus. 1,817,402; Aug. 4.
Welch, John T., Dowagiac, Mich. Massaging machine. 1,794,879; Mar. 3.
Welch, Marion E., assignor of forty-nine one-hundredths to E. T. Buterbaugh and fifty-one one-hundredths to H. H. Welch, High Point, N. C. Side light for automobiles. 1,802,398. Apr. 28.
Welch, Paul V. (See Ladner, H., and Welch.)
Welch, Roy J. C., Boston, assignor of one-third to D. M. Breeze, Cambridge, Mass. Smoking pipe. 1,827,412; Oct. 13.
Welch, Walter H., Bristol, England. Device for use when testing or adjusting brakes. 1,829,426; Oct. 27.
Welch, William A., Holyoke, Mass. Envelope. 1,811,341; June 23.
Welcker, Rudolph, assignor of one-fourth to F. G. Neal, Springfield, Mass. Valve. 1,838,723; Dec. 29.
Welcome, Arthur W., Los Angeles, Calif. Timing control for circuit breakers. 1,825,138; Sept. 29.
Welcome, Solon B., and O. W. Muff, assignors to Commercial Iron Works of Los Angeles, Los Angeles, Calif. Orifice fitting. 1,792,950; Feb. 17.
Welczek, Ludwic A., New York, N. Y. Puncturing apparatus. 1,806,434; May 19.
Weldbuilt Corporation. (See MacBean, Thomas L., assignor.)
Welder, Helen, San Antonio, Tex. Napkin clip or similar article. Des. 84,967; Aug. 25.
Weldmech Steel Products Co., The. (See Travis, Simeon E., jr., assignor.)
Weldon, Charles F., Lake Geneva, Wis. Printer's quoin chase. 1,803,782; May 5.
Weldon, Roy V. (See Cram, H. G., and Weldon.)
Weldon, Samuel, Portland, Oreg. Necktie. 1,805,965; May 19.
Welikes, Anthony, Rochester, N. Y. Shock absorber. 1,812,817; June 30.
Welikes, Anthony, Rochester, N. Y. Antishinning spring. 1,834,883; Dec. 1.
Welin Davit & Boat Corporation. (See Harkrader, Carl L., assignor.)
Welk, Nelson S., assignor to The McBee Binder Co., Athens, Ohio. Movable pressure device. 1,805,322; May 12.
Welker-Hoops Manufacturing Company, The. (See Welker, O. B., assignor, and Trilling.)
Welker, Leonard, Kiel, Wis. Ensilage distributor. 1,793,032; Feb. 17.
Welker, Oscar B., Middletown, Conn., and G. I. Trilling, New York, N. Y., said Welker assignor to The Welker-Hoops Manufacturing Company, Middletown, Conn. Luggage carrier. 1,798,239; Mar. 31.
Well, Sydney S., Baltimore, Md. Volatile liquid container. 1,808,801; June 9.
Wellensiek, Louis H., assignor to Hughes Tool Company, Houston, Tex. Core lifter. 1,791,256; Feb. 3.
Wellensiek, Louis H., assignor to Hughes Tool Company, Houston, Tex. Roller core drill. 1,793,533; Feb. 24.
Wellensiek, Louis H., assignor to Hughes Tool Company, Houston, Tex. Hydraulic core drill. 1,830,685; Nov. 3.
Weller, Frank E., Newark, N. J., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Control system for viewing devices. 1,820,516; Aug. 25.
Weller, Frank F., Jennings, La. Automobile jack. 1,819,450; Aug. 18.
Weller, Fridolin H., Scranton, Pa. Gas discharge device. 1,823,304; Sept. 15.
Weller, John H., and R. S. Newton, assignors to Sargent & Company, New Haven, Conn. Plane. 1,823,383; Sept. 15.
Weller, Lynn E., South Bend, Ind. Sawing apparatus. 1,79[illegible] Mar. 24.
Weller, Septimus B., Surbiton, England. Gear. 1,814,988; July 14.
Weller, William, Wisconsin Rapids, Wis. Smoker's pipe. 1,833,729; Nov. 24.
Welling, Adolf, Kiel-Neumuhlen, assignor to Fried-Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Internal combustion engine. 1,836,635; Dec. 15.
Welling, Conrad A., St. Louis, Mo. Protective device for automobiles. 1,793,033; Feb. 17.
Welling, Matthew J., Chicago, Ill., assignor to O-Cedar Corp'n. Mop-handle attachment. 1,789,328; Jan. 20.
Wellington, George P. (See Hazen, E. H., and Wellington.)
Wellington Machine Company, The. (See Gannett, Chauncey W., assignor.)
Wellington, Sears & Company et al. (See Hoxie, F. J., and Tenney, assignors.)
Wellman, Bertram, Schenectady, N. Y., assignor to General Electric Company. Circuit interrupter. 1,792,340; Feb. 10.
Wellman Company. (See Anderson, Roland G., assignor.)
Wellman Company. (See McGowan, Peter J., assignor.)
Wellman Company. (See Quine, James F., assignor.)
Wellman Engineering Company, The. (See Kemp, Alfred V., assignor.)
Wellman Engineering Company, The. (See Rogers, John F., assignor.)
Wellman, Engineering Company, The. (See Sabin, Ford L., assignor.)
Wellman, Guy A., assignor to The Champion Hardware Company, Geneva, Ohio. Friction casement adjuster. 1,822,719; Sept. 8.
Wellman, Norris M. (See Taft, Howard B., assignor.)
Wellmann, Wilhelm. (See Roeder J., and Wellmann.)
Wellnitz, Fredrich, Oconto Falls, Wis. Motor vehicle governor. 1,801,703; Apr. 21.
Wells, Amos S., Minneapolis, Minn. Tip plate for a tooth. 1,803,579; May 5.
Wells, C. G., et al. (See Walker, Jay P., assignor.)
Wells, Carl E., Estherville, Iowa. Comb sterilizer. 1,820,517; Aug. 25.
Wells, Chester M., and E. Cook, assignors of one-third to L. E. Starnes, Asheville, N. C. Key duplicating device. 1,820,518; Aug. 25.
Wells, Don W., assignor of one-half to G. W. Anderson, Los Angeles, Calif. Airship. 1,824,250; Sept. 22.
Wells, Frank O., Greenfield, Mass. Die blanks and making dies. 1,804,662; May 12.
Wells, Glen R., Fort Wayne, Ind., assignor to The Western Gas Construction Company. Charging device. 1,824,853; Sept. 29.
Wells, Harold D., Glens Falls, N. Y. Pulp screen. 1,834,298; Dec. 1.
Wells, Harry M., South Omaha, Nebr. Burial vault. 1,833,959; Dec. 1.
Wells, Ira M., Oakland, Calif. Road planer. 1,823,305; Sept. 15.
Wells, Joel B., Stratford, Pa. Smoker's device. Des. 85,140; Sept. 15.
Wells-Lamont Manufacturing Company. (See Wells, William O., assignor.)
Wells, Lennie, Long Beach, Calif. Underreamer. 1,835,193; Dec. 8.
Wells, Ralph J., Dayton, Ohio. Adjustable rail clamp. 1,788,003; Jan. 6.
Wells, Ralph J., Dayton, Ohio. Sleeper block for railway rails. 1,792,620; Feb. 17.
Wells, Robert C., and W. F. Koelpin, Milwaukee, Wis., assignors to International Harvester Company. Apparatus for balancing annular parts. 1,801,989; Apr. 21.
Wells, Sidney D., assignor to Paper Mill Laboratories, Inc., Quincy, Ill. Material for food stuff containers and preparing the same. 1,801,704; Apr. 21.
Wells, Sidney D., Quincy, Ill., assignor, by mesne assignments, to The Mine & Smelter Supply Company, Denver, Colo. Producing fibrous materials. 1,807,111; May 26.
Wells, Sidney D., assignor to Paper Mill Laboratories, Inc., Quincy, Ill. Manufacturing alcohol by fermentation. 1,823,014; Sept. 15.
Wells, Sidney D., assignor to Paper Mill Laboratories, Inc., Quincy, Ill. Production of lactic acid and other products by fermentation. 1,838,599; Dec. 29.
Wells, Wesley B. (See Fisher, A. W., and Wells.)
Wells, Wesley B., Wilkinsburg, and N. C. Shaw, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,830,496; Nov. 3.
Wells, William A. H., Edgewood, R. I. Serving device for a portion of a citrous fruit. Des. 85,796; Dec. 15.
Wells, William O., assignor to Wells-Lamont Manufacturing Company, Minneapolis, Minn. Glove. 1,809,877; June 16.
Wells, William S., Los Angeles, Calif., assignor, by mesne assignments, to Wonder Weave, Inc., Boston, Mass. Let-off mechanism for looms. 1,795,584; Mar. 10.
Wellton, Otto G., Trollhattan, Sweden. Device for transmitting motion from a rectilinearly reciprocating member to a rotatable member. 1,812,460; June 30.
Wels, Franz, Hohenelbe, assignor of one-half to Christian Keönig, Harter, near Hohenelbe, Czechoslovakia. Propelling screw for motor sleighs. 1,790,035; Jan. 27.
Wels, Franz, assignor of one-half to C. Kronig, Schloss Harta, near Hohenelbe, Czechoslovakia. Dirigible sledge or sleigh. 1,812,252; June 30.
Welsbach Company. (See Nonamaker, Frederick C., assignor.)
Welser, Brinton, assignor to Chain Belt Company, Milwaukee, Wis. Revolving liquid screen. 1,838,046; Dec. 22.
Welsh, Charles R., et al. (See Stenzel, Amos E., assignor.)
Welsh, Frank, Granville, Ohio. Leak stopping device for pipes. 1,806,867; May 26.
Welsh, Frank E., and J. E. Diefenderfer, Williamsfield, Ill. Seed broadcaster. 1,797,112; Mar. 17.
Welsh, John T. (See Rose, E. E., and Welsh.)
Welsh, Ulysses S. G., New York, N. Y. Pot and pan cleaner. 1,804,240; May 5.
Welte-Tripp Organ Corporation. (See Sowada, Paul, assignor.)
Welter, Adolf, Krefeld-Rheinhafen, Germany. Production of soap threads. 1,828,826; Oct. 27.

Welter, Nicolaus, Cologne-Lindenthal, Germany. Sheet-applying apparatus for printing presses. 1,798,240; Mar. 31.
Welter, Peter H., Kansas City, Kans. Car door hanger. 1,802,227; Apr. 21.
Welti-Furrer, A., A.-G. (See Leuzinger, Jakob, assignor.)
Weltner, Corliss L., Parkersburg, W. Va. Seat. 1,802,853; Apr. 28.
Welton, James R., Scranton, Pa. Support for thread cleaners. 1,798,572; Mar. 31.
Welton, Park E. (See Lockert, W. H., and Welton.)
Welton, Park E., Cuyahogo Falls, Ohio. Molding press. 1,807,055; May 26.
Welty, Albert B., Chicago, Ill., assignor to International Harvester Company. Sieve clamping and adjusting device for grain cleaning shoes. 1,832,955; Nov. 24.
Weltz, Henry F., St. Louis, Mo., assignor to Milwaukee Stamping Company, Milwaukee, Wis. Manufacturing traveling bags. 1,810,993; June 23.
Wembhoener, William F., St. Louis, Mo. Adjustable mail box. 1,797,489; Mar. 24.
Wemith Corporation, The. (See Webb, Harry A., assignor.)
Wemmering, Erna C., daughter, et al., heirs. (See Lendrich, Karl.)
Wemp, Ernest E., Detroit, Mich. Lever booster. 1,804,903; May 12.
Wemp, Ernest E., Detroit, Mich. Clutch disk. 1,804,904; May 12.
Wemp, Ernest E., Detroit, Mich. Clutch facing. 1,804,905; May 12.
Wemp, Ernest E., Detroit, Mich. Gear silencer construction. 1,804,906; May 12.
Wemp, Ernest E., Detroit, Mich. Automatic lash compensating device for clutches or the like. 1,830,306; Nov. 3.
Wemp, Ernest E., Detroit, Mich. Gear synchronizer assistant for clutches. 1,832,073; Nov. 17.
Wempe, Friedrich, and H. Peperkorn, assignors to Schmidt'sche Heissdampf-G. m. b. H., Cassel-Wilhelmshohe, Germany. Boiler in which the steam is generated indirectly. 1,790,396; Jan. 27.
Wemple, John G., Albany, N. Y., assignor to General Electric Company. Combined clock, thermometer, and thermostat. Des. 85,797; Dec. 15.
Wemple, John G., Albany, N. Y., assignor to General Electric Company. Combined clock, thermometer, and thermostat. Des. 85,798; Dec. 15.
Wemple, Leland E., Chicago, and F. A. Warren, Peru, assignors to Illinois Zinc Company, Chicago, Ill. Zinc alloy. 1,789,854; Jan. 20.
Wemple, Leland E., Chicago, and F. A. Warren, Peru, Ill. Zinc alloy. 1,818,774; Aug. 11.
Wendel, Ada B., Smithland, Iowa. Magazine rack. 1,797,032; Mar. 17.
Wendel, Ada B., Smithland, Iowa. Shade and curtain hanger. 1,814,066; July 14.
Wendel Co. Inc. (See Mueller, C. C., jr., and Wendel, assignors.)
Wendel, Daniel C. (See Mueller, C. C., jr., and Wendel.)
Wendel, Oswald, Bayonne, N. J. Portable dressing shield. 1,804,190; May 5.
Wendell, Evert J., Wayne, Pa. Shock absorber. 1,808,700; June 2.
Wendell, Herman E., St. Petersburg, Fla., assignor to Steel-Bound Container Corporation. Connecting plate. 1,791,337; Feb. 3.
Wenderhold, William. (See Uebelmesser, C. R., and Wenderbold.)
Wenderhold, William, assignor to Elizabeth Uebelmesser, New York, N. Y. Nozzle device. 1,839,188; Dec. 29.
Wendle, Virgil P., assignor to The Reeves Manufacturing Company, Dover, Ohio. Cover lock for pails. 1,791,180; Feb. 3.
Wendling, Charles C., Dover, Ohio. Sheet opener. 1,805,301; May 12.
Wendt, Adolf, Hohenselchow, Germany. Safety packing stick. 1,824,314; Sept. 22.
Wendt, Carl A., Tulsa, Okla. Gas burner. 1,809,658; June 9.
Wendt, Charles, Spokane, Wash. Crushing board. 1,799,575; Apr. 7.
Wendt, Gerald L., State College, Pa., assignor to Standard Oil Company, Whiting, Ind. Preparation of mercaptans. 1,791,179; Feb. 3.
Wendt, Herman D., assignor to The Sharples Separator Company, West Chester, Pa. Cream process and article. 1,791,068; Feb. 3.
Wendt, Herman D., assignor to The Sharples Separator Company, West Chester, Pa. Producing butter. 1,791,069; Feb. 3.
Wendt, Otto, Shiner, Tex. Agricultural implement. 1,788,606; Jan. 13.
Wendt, Robert H. (See Wolff, Walter, assignor.)
Wendt, Wesley E., assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,812,026; June 30.
Wenham, Douglas, Hamilton, assignor to Wenmur Blades Limited, Hamilton, New Zealand. Lawn mower. 1,795,102; Mar. 3.
Wenholz, Walter W., assignor to General Railway Signal Company Rochester, N. Y. Train-dispatching system for railroads. 1,794,563; Mar. 3.
Wening, Frederick. (See Glatthar, G. E., and Wening.)
Wening, Frederick, assignor to The Art Metal Company, Cleveland, Ohio. Shade or globe holder. 1,832,516; Nov. 17.
Wenk, Berthold, and H. Stötter, Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. New triarylmethane dyestuff. 1,833,271; Nov. 24.
Wenk, Norman B., Woodhaven, assignor to American Casting & Manufacturing Corporation, Brooklyn, N. Y. Seal. 1,832,270; Nov. 17.
Wenmur Blades Limited. (See Wenham, Douglas, assignor.)
Wenn, Floyd D., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Making an insulator cap. 1,806,726; May 26.
Wenn, Floyd D., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Making stamped clamps. 1,834,663; Dec. 1.
Wenn, Leslie A., and W. K. Bishop, Binghamton, assignors to The Brewer-Titchener Corporation, Cortland, N. Y. Vehicle seat adjuster. 1,822,427; Sept. 8.
Wennegal, George F., Baltimore County, Md. Trolley car. 1,828,008; Oct. 20.
Wennerstrom, Malcolm J., Minneapolis, Minn. Anchor-manipulating apparatus. 1,800,851; Apr. 14.
Wennett, Charles. (See Gordon, Herman L., assignor.)
Wenning, Maurice H., Quincy, Ill. Automobile. Des. 83,083; Jan. 13.
Wenrich, Christ E., Harrisburg, Pa. Trimming attachment for lawn mowers. 1,837,741; Dec. 22.
Wenrich, Luther H., Wernersville, Pa. Tire chain tightener. 1,802,689; Apr. 28.
Wensauer, Kreszenzia. (See Wensauer, Maximilian, assignor.)
Wensauer, Maximilian, assignor of one-half to Kreszenzia Wensauer, Sheboygan, Wis. Vacuum cleaner. 1,825,255; Sept. 29.
Wensley, Earl. (See Gudge, A. W., and Wensley.)
Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,801,827; Apr. 21.
Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic hydroelectric generating station. 1,829,427; Oct. 27.
Wensley, Roy J., Edgewood, and J. L. McCoy, Wilkinsburg, Pa., assignors to Westinghouse Eleceric & Manufacturing Company. Supervisory control system. 1,821,368; Sept. 1.
Wenstrom, C. Rudolph, et al. (See Roust, Henry A., assignor.)
Wente, Edward C., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Acoustic device. 1,812.389; June 30.
Wentink, Willem G. F. (See Reufel, H. M. H., De Jong, and Wentink.)
Wentorf, Robert H., assignor to West Bend Aluminum Company, West Bend, Wis. Cooker. 1,822,257; Sept. 8.
Wentworth, Frank T., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Buttonhole making machine. 1,828,915; Oct. 27.
Wentworth, Robert S., Germantown, assignor to Budd Wheel Company, Philadelphia, Pa. Cooling means for vehicle wheels. 1,805,792; May 19.
Wentz, Jere L. (See Bryant, Cyrus A., assignor.)
Wentz, Welker W., assignor to Aluminum Company of America, Pittsburgh, Pa. Aluminum type matrix. 1,823,179; Sept. 15.
Wenzel, Albert W., St. Cloud, N. J. Packing ring. 1,803,955; May 5.
Wenzel, John, Foley, Ala. Automobile identification plate. Des. 84,968; Aug. 25.
Wenzel, Karl E., Hamborn-on-the-Rhine, Germany. Weight automatic rail brake. 1,792,206; Feb. 10.
Wenzel, Karl E., Hamborn-on-the-Rhine, Germany. Weight automatic rail brake. 1,801,990; Apr. 21.
Wenzel, Karl E., Hamborn-on-the-Rhine, Germany. Slidable block rail brake. 1,823,964; Sept. 22.
Wenzel, Max, Muldenstein, near Bitterfeld, Germany. Roll suction device. 1,831,334; Nov. 10.
Werber, Max, Beacon, N. Y. Cutting-block dresser. 1,796,879; Mar. 17.
Werdenberg, Heinrich. (See Hug, E., and Werdenberg.)
Werder, John F., Cleveland, Ohio, assignor of one-half to E. Rogers. Sheet-metal can and making the same. 1,788,261; Jan. 6.
Werder, John F., Cleveland, Ohio, assignor of one-half to E. Rogers. Valve. 1,833,983; Dec. 1
Werder, Markus, Friedlinger-Leopoldshohe in Baden, Germany. Loading or impregnating silk and silk-tissue. 1,835,920; Dec. 8.
Werdermann, Arthur. (See Laska, L., and Werdermann.)
Weritz, John, Cicero, and D. Hirshfield, Chicago, Ill. Binding post. 1,795,627; Mar. 10.
Werkenthin, Theodore A., assignor to The Solar Refining Company, Lima, Ohio. Separating alcohols from oil. 1,824,521; Sept. 22.
Werkman, Chester H., et al. (See Hixon, R. M., Peterson, and Werkman.)
Werme, Melcher G., Worcester, Mass., assignor to Wickwire Spencer Steel Company, New York, N. Y. Air diffuser. 1,793,295; Feb. 17.
Werme, Melcher G., Worcester, Mass., assignor to Wickmire Spencer Steel Company, New York, N. Y. Folding display stand. 1,803,742; May 5.

Werme, Melcher G., Worcester, Mass., assignor to Wickwire Spencer Steel Company, New York, N. Y. Grating and frame therefor. 1,807,718; June 2.
Werme, Tage F., Fairfield, Conn., assignor to Remington Arms Company, Inc. Ammunition. 1,808,513; June 2.
Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Christmas tree stand. 1,805,649; May 19.
Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Electric connecter plug. 1,820,333; Aug. 25.
Werner, Arthur W., assignor to Kieckhefer Container Company, Milwaukee. Wis. Sheet aligning conveyer. 1,836,213; Dec. 15.
Werner, Dick G., Kansas City, Mo. Mail separating and distributing machine. 1,832,517; Nov. 17.
Werner, Eugene, administrator. (See Werner, Samuel.)
Werner, Frank J., Portage Township, Porter County, Ind. Furnace. 1,807,112; May 26.
Werner, Herman C., Croydon, near Sidney, New South Wales, Australia, assignor to Otis Elevator Company, New York, N. Y. Locking means for the doors of elevators. 1,835,544; Dec. 8.
Werner, Minnie F., Independence, Mo. Colander. 1,832,538; Nov. 17.
Werner, Oscar, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Airport-floodlight projector. 1,790,184; Jan. 27.
Werner, Oscar, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Focusing mechanism for lighting units. 1,790,185; Jan. 27.
Werner, Oscar, South Bend, Ind., assignor to Rainbow Light, Inc., Long Island City, N. Y. Aerial display apparatus. 1,791,857; Feb. 10.
Werner, Oscar, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Lighting unit. 1,792,260; Feb. 10.
Werner, Oscar, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Lighting unit. 1,806,435; May 19.
Werner, Oscar, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Lamp setting device. 1,810,036; June 16.
Werner, Oscar, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Suspension device. 1,817,540; Aug. 4.
Werner, Samuel, Rutherford, N. J., deceased; Eugene Werner, administrator. Cap. 1,837,695; Dec. 22.
Werner, Wilbur S., assignor to The Kelley-Koett Manufacturing Company, Covington, Ky. Radiographic timing apparatus. 1,813,216; July 7.
Werner, William, assignor of one-half to W. B. Smith, Mexia, Tex. Threadless pipe coupling. 1,821,952; Sept. 8.
Werner, William H., and C. Neumann, Brooklyn, N. Y. Soot extractor. 1,821,860; Sept. 1.
Wernmark, Carl G., assignor of one-half to C. G. Peterson, Los Angeles, Calif. Shoe construction. 1,809,998; June 16.
Werotte, Seraphin, Auvelais, Belgium. Table feed mechanism for grinding, smoothing, and polishing apparatus. 1,830,895; Nov. 10.
Wersäll, Karl J., Stockholm, Sweden, assignor to American Kambi Company, New York, N. Y. Centrifugal friction clutch. 1,801,471; Apr. 21.
Wersall, Karl J., assignor to American Kambi Company, New York, N. Y. Centrifugal clutch. 1,819,829; Aug. 18.
Wersall, Karl J., assignor to American Kambi Company, New York, N. Y. Spring-controlled centrifugal clutch. 1,819,830; Aug. 18.
Wersäll, Karl J., Stamford, Conn., assignor to American Kambi Company, New York, N. Y. Centrifugal friction clutch. 1,823,074; Sept. 15.
Werst, Charles W., Philadelphia, Pa., and E. E. Hicken, Collingswood, N. J. Tender frame. 1,810,874; June 16.
Wert, Cyrus S., deceased, Kendallville, Ind.; A. W. Shaefer, administrator. Lawn sprinkler. 1,825,640; Sept. 29.
Wertheimer, Moses. (See Katz, Harry, assignor.)
Wertz, Austin L., Lakewood, Ohio. Lubricant-dispensing apparatus. 1,800,333; Apr. 14.
Wertz, Austin L., Lakewood, Ohio. Combined flusher and lubricant dispenser. 1,829,173; Oct. 27.
Wertz, Austin L., Lakewood, Ohio. Temperature regulating device. 1,837,000; Dec. 15.
Wertz, Roy O., assignor to The Ohio Electric Manufacturing Co., Cleveland, Ohio. Conveying magnetic material. 1,812,505; June 30.
Wertzberger, Dallas D. (See Redinbaugh, James O., assignor.)
Wertzberger, Dallas D., Tulsa, Okla. Top casting and derrick construction. 1,820,519; Aug. 25.
Wesche, Hans, and K. Brodersen, Dessau in Anhalt, and W. Ext, Kiel-Kronshagen, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Insecticide. 1,794,046; Feb. 24.
Wesche, Hans, K. Brodersen, Dessau in Anhalt, and W. Ext, Kiel-Kronshagen, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Insecticide. 1,815,816; July 21.
Wescott, Charles O., and H. C. Rhodes, Portland, Oreg. Dough divider. 1,793,981; Feb. 24.
Wescott, Dana E., South Bend, Ind., assignor to South Bend Current Controller Company. Single-impulse variable-selecting device. 1,800,810; Apr. 14.
Wescott, William B., Wellesley, assignor to American Protein Corporation, Boston, Mass. Production of protein products. 1,804,042; May 5.
Wescott, William B., assignor to Rubber Latex Research Corporation, Boston, Mass. Rubber emulsion and making the same. 1,816,242; July 28.
Wesenberg, Georg, Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Media for combating animal and vegetable pests. 1,819,399; Aug. 18.
Wesenberg, Georg, and E. Bischkopff, Elberfeld, near Cologne-on-the-Rhine, Germany, assignors to Winthrop Chemical Company, New York, N. Y. Plant stimulant. 1,803,157; Apr. 28.
Wesix National Company. (See Kercher, A. J., and Hicks, assignors.)
Weslake, Henry. (See Whatmough, W. A., and Weslake.)
Wesler, George B., jr., assignor to Chain Belt Company, Milwaukee, Wis. Conveyer. 1,824,756; Sept. 22.
Wesner, John O., Stewart Manor, N. Y. Casement-window retaining rod. 1,794,265; Feb. 24.
Wesner, John O., Stewart Manor, N. Y. Shutter holder. 1,795,983; Mar. 10.
Wesolowski, Peter J., Detroit, Mich. Window fastener. 1,826,911; Oct. 13.
Wesp, George, assignor to The Rosenthal China Corporation, New York, N. Y. Platter or similar article. Des. 84,863; Aug. 11.
Wesp, George, assignor to The Rosenthal China Corporation, New York, N. Y. Cup or similar article. Des. 84,864; Aug. 11.
Wesp, George, assignor to The Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 84,865; Aug. 11.
Wesp, George, assignor to The Rosenthal China Corporation, New York, N. Y. Casserole or similar article. Des. 84,866; Aug. 11.
Wesp, George, assignor to The Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 85,020; Sept. 1.
Wesp, George, assignor to The Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 85,021; Sept. 1.
Wesp, George, assignor to The Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 85,022; Sept. 1.
Wesp, George, assignor to The Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 85,023; Sept. 1.
Wesp, George, assignor to The Rosenthal China Corporation, New York, N. Y. Cup or similar article. Des. 85,563; Nov. 10.
Wessel, Carl, Essen-Borbeck, Germany. Distillation of coal tar and device for carrying out such process. 1,814,989; July 14.
Wessel, Carl, Borbeck, near Essen-on-the-Ruhr, Germany, assignor to the Firm: Carl Still, Recklinghausen, Westphalia, Germany. Coke ovens and the like. 1,808,620; June 2.
Wessel, Carl, Borbeck, near Essen-on-the-Ruhr, assignor to the Firm Carl Still, Recklinghausen, Germany. Coke oven and operating same. 1,809,659; June 9.
Wessel, Carl, Borbeck, near Essen-on-the-Ruhr, assignor to the Firm: Carl Still, Recklinghausen, Westphalia, Germany. Coke oven. 1,819,934; Aug. 18.
Wessel, Ludwig H., and H. N. Booker, assignors to The Hermann Manufacturing Company, Lancaster, Ohio. Machine for refining paper and pulp. 1,806,272; May 19.
Wessell, Lana M., Palatine Bridge, N. Y. Corselet. 1,789,796; Jan. 20.
Wessler, Albert H. W., Arenzville, Ill. Wire reeling apparatus. 1,813,831; July 7.
Wessman, Arnt W., Chicago, Ill., assignor to International Harvester Company. Interchangeable straw bruiser and wind-stacker. 1,825,838; Oct. 6.
Wesson, Harry B., Tampa, Fla. Insect trap. 1,797,743; Mar. 24.
Wesson Sales Co. (See Smith, John H., assignor.)
West, Brennan B., Cleveland Heights, Ohio. Automatic lubricant distributing means. 1,813,005; July 7.
West, Byron L. (See Wood, R. O., and West.)
West, Byron L., Hamburg, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Disazo dye. 1,806,137; May 19.
West, Carl E. (See Rettig, O. F., and West.)
West Disinfecting Company. (See Kooperstein, Louis, assignor.)
West, Donald H., New London, Conn., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Hydraulic pull bushing for broaching machines. 1,837,933; Dec. 22.
West, Frank R., assignor to Rice Products Inc., Detroit, Mich. Compressor structure. 1,801,705; Apr. 21.
West, Frank R., assignor to Rice Products, Inc., Detroit, Mich. Flow control for refrigerating systems. 1,813,979; July 14.
West, Frederick B., and K. J. Pidcock, Kyogle, New South Wales, Australia. Wheel drawer for use on motor vehicles. 1,807,329; May 26.
West, George, assignor to Whitin Machine Works, Whitinsville, Mass. Drawing mechanism for fibrous material. 1,799,448; Apr. 7.
West, George, assignor to Whitin Machine Works, Whitinsville, Mass. Bobbin clutch. 1,832,072; Nov. 17.

West, George E., Dallas, Tex. Sanitary container. 1,826,193; Oct. 6.
West, George E., assignor to D. Metzger, Dallas, Tex. Cream separating device. 1,835,252; Dec. 8.
West, Hazael E., Washington, D. C. Reading stand. 1,807,500; May 26.
West, Herbert J. (See Jaeger, A. O., and West.)
West, Herbert J., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Production of vacua. 1,809,614; June 9.
West, Homer B. (See George, R. B., and West.)
West, Jack F., Canton, Ga., assignor to Draper Corporation, Hopedale, Mass. Filling fork and grid cleaner. 1,813,217; July 7.
West, Jewel C., Los Angeles, Calif. Brassière. 1,792,787; Feb. 17.
West, Lorenzo C., Garden Home, Oreg. Jack for reciprocating pumps. 1,833,344; Nov. 24.
West, Maxwell A., Portland, Oreg. Adjustable eraser attachment for pencils. 1,822,832; Sept. 8.
West, Omar K., Detroit, Mich. Bulkhead. 1,819,664; Aug. 18.
West, P. C., Mfg. Co. (See West, Preston C., assignor.)
West, Paul F., and E. H. Reed, Detroit, Mich. Robbery-proof equipment. 1,811,447; June 23.
West, Preston C., assignor to P. C. West Mfg. Co. Inc., Chicago, Ill. Can opener. 1,834,563; Dec. 1.
West Process Pavement Co. (See West, William C., assignor.)
West, Ralph H., assignor to The West Steel Casting Company, Cleveland, Ohio. Manhole cover. 1,799,489; Apr. 7.
West, Ross R., San Mateo, Calif. Vault ventilator. 1,796,676; Mar. 17.
West Steel Casting Company, The. (See West, Ralph H., assignor.)
West, Thomas H., et al. (See Skinner, Ralph L., assignor.)
West, William C., assignor to West Process Pavement Co., Inc., Louisville, Ky. Asphaltic material and preparing same. 1,812,730; June 30.
West Bend Aluminum Company. (See Kircher, Ralph N., assignor.)
West Bend Aluminum Company. (See Wentorf, Robert H., assignor.)
Westberg, Edward. (See Hancock, William W., assignor.)
Westberg, Sigurd, Oslo, Norway. Making refractory linings. 1,827,446; Oct. 13.
Westbrook, Earle. (See Nehin, Harry E., assignor.)
Westbrook, Leon R. (See Lutz, G., and Westbrook.)
Westbrook, Leon R., Cleveland Heights, assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Chromium plating. 1,795,459; Mar. 10.
Westbrook, Leon R., Cleveland Heights, assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Electroplating. 1,818,179; Aug. 11.
Westbrook, Leon R., Cleveland Heights, assignor, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Electroplating. 1,826,159; Oct. 6.
Westco Pump Company. (See Derrick, William I., assignor.)
Westco Pump Corporation. (See Wood, Clarence G., assignor.)
Westcott, Brayton W., assignor to Zenith Detroit Corporation, Detroit, Mich. Carburetor. 1,798,388; Mar. 31.
Westcott, Dana E., South Bend, Ind., assignor to South Bend Current Controller Company. Unitary traffic control. 1,824.973; Sept. 29.
Westcott, Philip S., Oak Park, Ill. Adapter. 1,838,509; Dec. 29.
Westcott, Philip S., assignor to The Pyle-National Company, Chicago, Ill. Electric connecter. 1,816,063; July 28.
West End Thread Company, The. (See Keith, Nathan D., assignor.)
Westerberg, Carl A. A., Djursholm, and T. G. Höglund, Appelviken, assignors to Aktiebolaget Superior, Stockholm, Sweden. Flue cleaning apparatus for water tube boilers. 1,838,600; Dec. 29.
Westerfield, Brasher O., assignor to Bunte Brothers, Chicago, Ill. Candy forming machine. 1,836,349; Dec. 15.
Westerheim, Sam, St. Paul, Minn. Window construction. 1,833,766; Nov. 24.
Westerhold, Fred A. (See Hamilton, Thomas M., assignor.)
Westerman, Frank L., Wyoming, Ohio. Booklet. 1,799,490; Apr. 7.
Western Brick Company. (See Payne, Frank, assignor.)
Western Cartridge Company. (See Schuricht, Alfons G., assignor.)
Western Clock Company. (See Greenleaf, William H., assignor.)
Western Clock Company. (See Kaefer, Martin H., assignor.)
Western Clock Company. (See Maier, Erich, assignor.)
Western Clock Company. (See Neureuther, Andrew H., assignor.)
Western Clock Company. (See Schlenker, Max, assignor.)
Western Concrete Pipe Company. (See Bilderbeck, John T., assignor.)
Western Electric Company. (See Adams, Arthur H., assignor.)
Western Electric Company. (See Adams, R. R., and Griggs, assignors.)
Western Electric Company. (See Alden, John L., assignor.)
Western Electric Company. (See Andrews, John W., assignor.)
Western Electric Company. (See Arkema, H. P., and Thronsen, assignors.)
Western Electric Company. (See Arnold, Harold D., assignor.)
Western Electric Company. (See Babbitt, Bethel J., assignor.)
Western Electric Company. (See Baker, John H. E., assignor.)
Western Electric Company. (See Barnard, Charles H., assignor.)
Western Electric Company. (See Berger, Brynjulf, assignor.)
Western Electric Company. (See Berkland, Thomas H., assignor.)
Western Electric Company. (See Bidwell, Edgar M., assignor.)
Western Electric Company. (See Biggar, Hugh, assignor.)
Western Electric Company. (See Blankenstein, Edward E., assignor.)
Western Electric Company. (See Blood, Harold L., assignor.)
Western Electric Company. (See Boe, Helmer, J., assignor.)
Western Electric Company. (See Bonsor, Walter, assignor.)
Western Electric Company. (See Borgeson, Sidney E., assignor.)
Western Electric Company. (See Böving, Henrik, assignor.)
Western Electric Company. (See Bowly, Heyward W., assignor.)
Western Electric Company. (See Boynton, John E., assignor.)
Western Electric Company. (See Boynton, Stanley E., assignor.)
Western Electric Company. (See Brown, G. R., and Loesges, assignors.)
Western Electric Company. (See Bradley, Walter R., assignor.)
Western Electric Company. (See Bureau, Arthur A., assignor.)
Western Electric Company. (See Burkholder, John C., assignor.)
Western Electric Company. (See Calmus, C. J., and Tomlin, assignors.)
Western Electric Company. (See Carlson, Richard E., assignor.)
Western Electric Company. (See Carr, Charles B., assignor.)
Western Electric Company. (See Chaston, J. C., and Johns, assignors.)
Western Electric Company. (See Cherry, George L., assignor.)
Western Electric Company. (See Coram, Roy E., assignor.)
Western Electric Company. (See Craft, Edward B., assignor.)
Western Electric Company. (See Cummings, George C., assignor.)
Western Electric Company. (See Curtis, Austen M., assignor.)
Western Electric Company. (See Curtiss, Nathan A., assignor.)
Western Electric Company. (See Dahl, Arthur C., assignor.)
Western Electric Company. (See Dean, R. S., and Wilson, assignors.)
Western Electric Company. (See Deloraine, Edmond M., assignor.)
Western Electric Company. (See Dennison, Lawrence I., assignor.)
Western Electric Company. (See Dowd, Archie J., assignor.)
Western Electric Company. (See Elmen, Gustaf W., assignor.)
Western Electric Company. (See Farrington, John F., assignor.)
Western Electric Company. (See Fay, O. J., Heimberge, and Pugh, assignors.)
Western Electric Company. (See Fernekes, V. W., and Ray, assignors.)
Western Electric Company. (See Field, Frank E., assignor.)
Western Electric Company. (See Franks, Clem H., assignor.)
Western Electric Company. (See Franz, Erwin E., assignor.)
Western Electric Company. (See Fruth, Hal F., assignor.)
Western Electric Company. (See Gaylord, Harlow F., assignor.)
Western Electric Company. (See Gilbert, John J., assignor.)
Western Electric Company. (See Gould, John R., assignor.)
Western Electric Company. (See Griggs, Elmer V., assignor.)
Western Electric Company. (See Guillemin, Ernest A., assignor.)
Western Electric Company. (See Haack, William F., assignor.)
Western Electric Company. (See Haegele, Otto P., assignor.)

Western Electric Company. (See Haigh, Leslie B., assignor.)
Western Electric Company. (See Harrison, Henry C., assignor.)
Western Electric Company. (See Hartley, Ralph V. L., assignor.)
Western Electric Company. (See Hartsough, Ralph C., assignor.)
Western Electric Company. (See Hatton, W., De Vriendt, and Rousseau, assignors.)
Western Electric Company. (See Heising, Raymond A., assignor.)
Western Electric Company. (See Hendry, William F., assignor.)
Western Electric Company. (See Hill, W. M., and McFarland, assignors.)
Western Electric Company. (See Hite, Harold N., assignor.)
Western Electric Company. (See Hofstetter, Robert, assignor.)
Western Electric Company. (See Holland, Newman H., assignor.)
Western Electric Company. (See Horton, Joseph W., assignor.)
Western Electric Company. (See Howard, Russell S., assignor.)
Western Electric Company. (See Jacobitti, Edward E., assignor.)
Western Electric Company. (See Jesperson, Helgo W., assignor.)
Western Electric Company.) See Johnson, Gustave T., assignor.)
Western Electric Company. (See Kendall, Burton W., assignor.)
Western Electric Company. (See Kidd, Stephen H. B., assignor.)
Western Electric Company. (See Kingsbury, Edwin F., assignor.)
Western Electric Company. (See Kivley, Ray C., assignor.)
Western Electric Company. (See Knox, William G., assignor.)
Western Electric Company. (See Knuuti, Charles O., assignor.)
Western Electric Company. (See Knuuti, C. O., and Metzger, assignors.)
Western Electric Company. (See Kranz, Hermann E., assignor.)
Western Electric Company. (See Lamplough, Leslie F., assignor.)
Western Electric Company. (See Larsen, Einer W., assignor.)
Western Electric Company. (See Larson, Homer W., assignor.)
Western Electric Company. (See Little, John S., assignor.)
Western Electric Company. (See Lodge, Joseph E., assignor.)
Western Electric Company. (See Long, Maurice B., assignor.)
Western Electric Company. (See Lonie, James H., assignor.)
Western Electric Company. (See Marrison, Warren A., assignor.)
Western Electric Company. (See Martell, Charles, assignor.)
Western Electric Company. (See Mason, Sumner R., assignor.)
Western Electric Company. (See Massingham, Henry R., assignor.)
Western Electric Company. (See Maxfield, Joseph P., assignor.)
Western Electric Company. (See McCoy, Clarence E., assignor.)
Western Electric Company. (See McDonough, John, assignor.)
Western Electric Company. (See McDonough, J., and Normann, assignors.)
Western Electric Company. (See McGraw, George P., assignor.)
Western Electric Company. (See McMullan, Samuel, assignor.)
Western Electric Company. (See Melhuish, Laurence E., assignor.)
Western Electric Company. (See Metzger, Chester A., assignor.)
Western Electric Company. (See Middlekauff, Robert P., assignor.)
Western Electric Company. (See Moore, Charles R., assignor.)
Western Electric Company. (See Nelson, Charles E., assignor.)
Western Electric Company. (See Nelson, C. E., and Stull, assignors.)
Western Electric Company. (See Norton, Edward L., assignor.)
Western Electric Company. (See Nukiyama, H., and Nagai, assignors.)
Western Electric Company. (See Nydegger, Roland R., assignor.)
Western Electric Company. (See Oswald, A. A., and Schelleng, assignors.)
Western Electric Company. (See Paulson, Christian, assignor.)
Western Electric Company. (See Peterson, Eugene, assignor.)
Western Electric Company. (See Pettus, Joseph H., assignor.)
Western Electric Company. (See Piper, Harry D., assignor.)
Western Electric Company. (See Powell, Raymond E., assignor.)
Western Electric Company. (See Pugh, Emerson, assignor.)
Western Electric Company. (See Pullman, James F., assignor.)
Western Electric Company. (See Purdy, Chester A., assignor.)
Western Electric Company. (See Ramsey, Ernest G., assignor.)
Western Electric Company. (See Rasmussen, Roswell C., assignor.)
Western Electric Company. (See Ravenschlag, A. G., and Tikalsky, assignors.)
Western Electric Company. (See Reeve, Howard T., assignor.)
Western Electric Company. (See Reichelt, Lester O., assignor.)
Western Electric Company. (See Robbins, Charles W., assignor.)
Western Electric Company. (See Robson, D. C., and Selvig, assignors.)
Western Electric Company. (See Rock, George L., assignor.)
Western Electric Company. (See Roman, Frank L., assignor.)
Western Electric Company. (See Roome, Frank A., assignor.)
Western Electric Company. (See Rosaire, Esme E., assignor.)
Western Electric Company. (See Rosaire, E. E., and Kerns, assignors.)
Western Electric Company. (See Runquist, E. M., and Yancey, assignors.)
Western Electric Company. (See Schelling, John C., assignor.)
Western Electric Company. (See Schoof, Arthur W., assignor.)
Western Electric Company. (See Schroeder, William, assignor.)
Western Electric Company. (See Scott, Kenneth L., assignor.)
Western Electric Company. (See Seligmann, William, assignor.)
Western Electric Company. (See Selvig, John N., assignor.)
Western Electric Company. (See Shaw, Leon I., assignor.)
Western Electric Company. (See Siebs, Claude T., assignor.)
Western Electric Company. (See Siebs, C. T., and Daniel, assignors.)
Western Electric Company. (See Siegmund, Humphreys O., assignor.)
Western Electric Company. (See Simonds, George D., assignor.)
Western Electric Company. (See Sivian, Leon J., assignor.)
Western Electric Company. (See Skillman, T. S., and Freeth, and Berry, assignors.)
Western Electric Company. (See Smythe, Edwin H., assignor.)
Western Electric Company. (See Spear, Jay P., assignor.)
Western Electric Company. (See Spousta, Winslow C., assignor.)
Western Electric Company. (See Stearns, Harry C., assignor.)
Western Electric Company. (See Sterba, Ernest J., assignor.)
Western Electric Company. (See Stevens, C. E., and den Hertog, assignors.)
Western Electric Company. (See Stewart, C. R. G., and Zern, assignors.)
Western Electric Company. (See Strawn, Marion L., assignor.)
Western Electric Company. (See Stull, John S., assignor.)
Western Electric Company. (See Tikalsky, Francis P., assignor.)
Western Electric Company. (See Thode, William N., assignor.)
Western Electric Company. (See Tournier, Edward P., assignor.)
Western Electric Company. (See Trebes, Bruno M. A., assignor.)
Western Electric Company. (See Wheeler, Edmund B., assignor.)
Western Electric Company. (See Wade, Lorentz G., assignor.)
Western Electric Company. (See Watson, Kenneth M., assignor.)
Western Electric Company. (See Wegel, R. L., and Moore, assignors.)
Western Electric Company. (See Weis, Paul B., assignor.)
Western Electric Company. (See Wente, Edward C., assignor.)
Western Electric Company. (See Westhafer, Terrence O., assignor.)
Western Electric Company. (See Wetzel, Clyde L., assignor.)
Western Electric Company. (See Whiting, Donald F., assignor.)

Western Electric Company. (See Wilson, Roger V., assignor.)
Western Electric Company. (See Wood, Lloyd E., assignor.)
Western Electric Company. (See Wren, Carl I., assignor.)
Western Electric Company. (See Wright, Esmond P. G., assignor.)
Western Electric Company. (See Yancey, Thornton McD., assignor.)
Western Electric Company. (See Zimmerman, Paul P., assignor.)
Western Electric Company, Incorporated. (See Gudge, A. W., and Wensley, assignors.)
Western Electric Company, Incorporated. (See Knaus, Peter J., assignor.)
Western Electric Company, Incorporated. (See Lodge, Joseph E., assignor.)
Western Electric Company, Incorporated. (See Shea, John R., assignor.)
Western Electro-Mechanical Co. (See Scherer, William W., assignor.)
Western Foundation Company. (See Jenkins, Forrest L., assignor.)
Western Foundation Company. (See Thornley, J. H., and Sherwood, assignors.)
Western Foundry Company. (See Hanson, Robert P., assignor.)
Western Gas Construction Co., The. (See De Graw, Brown F., assignor.)
Western Gas Construction Company, The. (See Hackney, William W., assignor.)
Western Gas Construction Company, The. (See Stone, Thomas W., assignor.)
Western Gas Construction Company, The. (See Wells, Glen R., assignor.)
Western Lithograph Company. (See Tull, Roger, assignor.)
Western Metal Specialty Co. (See Goetz, Julius J., assignor.)
Western Metal Specialty Co. (See Olsen, Julius C., assignor.)
Western Pipe & Steel Company. (See Smith, James E., assignor.)
Western Pipe & Steel Company of California. (See Shoenberger, Philip D., assignor.)
Western Railway Equipment Company. (See Campbell, S. H., and Habenicht, assignors.)
Western Railway Equipment Company. (See Hoerr, L. A., and Pietzsch, assignors.)
Western Shade Cloth Company, The. (See Jackson, George M., assignor.)
Western Stamping & Manufacturing Company. (See Preus, Paul A., assignor.)
Western States Machine Company, The. (See Roberts, Eugene, assignor.)
Western Stoneware Company. (See Dains, Irven F., assignor.)
Western Supply Company. (See Crotto, Frank E., assignor.)
Western Television Corporation. (See Sanabria, Ulises A., assignor.)
Western Tool & Equipment Company. (See Walters, Arthur B., assignor.)
Western Union Telegraph Company. (See Angel, Herbert, assignor.)
Western Union Telegraph Company, The. (See Angel, H., and Robinson, assignors.)
Western Union Telegraph Company, The. (See Atherton, Albert, assignor.)
Western Union Telegraph Company, The. (See Birkmeyer, P. J., Creedon, and Chadbourne, assignors.)
Western Union Telegraph Company, The. (See Blanchard, R. F., Porter, and Marx, assignors.)
Western Union Telegraph Company, The. (See Blanton, William B., assignor.)
Western Union-Telegraph Company, The. (See Cannon, William D., assignor.)
Western Union Telegraph Company, The. (See Creedon, M. V., and McGuinness, assignors.)
Western Union Telegraph Company, The. (See Demonet, E. A., and Copenhaver, assignors.)
Western Union Telegraph Company. (See d'Humy, F. E., Beardsley, and Plausics, assignors.)
Western Union Telegraph Company, The. (See d'Humy, F. E., Birkmeyer, and Griffith, assignors.)
Western Union Telegraph Company, The. (See Dirkes, Robert F., assignor.)
Western Union Telegraph Company. (See Dirkes, R. F., Kimball, and Long, assignors.)
Western Union Telegraph Company, The. (See Dirkes, R. F., and Pomeroy, assignors.)
Western Union Telegraph Company, The. (See Drake, Herbert W., assignor.)
Western Union Telegraph Company, The. (See Drake, H. W., and Blanton, assignors.)
Western Union Telegraph Company, The. (See Ferguson, Cyrus C., assignor.)
Western Union Telegraph Company, The. (See Fluharty, William G., assignor.)
Western Union Telegraph Company, The. (See Foster, Lee R., assignor.)
Western Union Telegraph Company., The. (See Griffith, F., and Smith, assignors.)
Western Union Telegraph Company, The. (See Haglund, H. H., and Dickey, assignors.)
Western Union Telegraph Company, The. (See Harrall, E. R., and Parrott, assignors.)
Western Union Telegraph Company, The. (See Herbert, A., and Robinson, assignors.)
Western Union Telegraph Company, The. (See Hewitt, Ernest W., assignor.)
Western Union Telegraph Company, The. (See Homer, E. C., and Buckingham, assignors.)
Western Union Telegraph Company, The. (See Hoover, R., and Dirkes, assignors.)
Western Union Telegraph Company, The. (See Hoover, R., and Haupt, assignors.)
Western Union Telegraph Company, The. (See Janson, George W., assignor.)
Western Union Telegraph Company, The. (See Long, James W., assignor.)
Western Union Telegraph Company, The. (See Mample, Adolph Z., assignor.)
Western Union Telegraph Company, The. (See McGuinness, W. V., and Francis, assignors.)
Western Union Telegraph Company, The. (See Milnor, Joseph W., assignor.)
Western Union Telegraph Company, The. (See Milnor, J. W., and Cannon, assignors.)
Western Union Telegraph Company, The. (See Morehouse, Harry W., assignor.)
Western Union Telegraph Company, The. (See Morgenstern, Ronald V., assignor.)
Western Union Telegraph Company, The. (See Morgenstern, R. V., and Erickson, assignors.)
Western Union Telegraph Company. (See Morgenstern, R. V., and Teter, assignors.)
Western Union Telegraph Company, The. (See Porter, James F., assignor.)
Western Union Telegraph Company, The. (See Porter, J. F., and Franklin, assignors.)
Western Union Telegraph Company. (See Rothermel, Samuel W., assignor.)
Western Union Telegraph Company, The. (See Rothermel, S. W., and Hewitt, assignors.)
Western Union Telegraph Company, The. (See Sortore, Emerson J., assignor.)
Western Union Telegraph Company, The. (See Steeneck, Robert, assignor.)
Western Union Telegraph Company, The. (See Wheeler, Evan R., assignor.)
Western Union Telegraph Company, The. (See Wise, Raleigh J., assignor.)
Western Union Telegraph Company, The. (See Woodward, Marion H., assignor.)
Western Waxed Paper Company. (See Hammond, Anning S., assignor.)
Western Wheeled Scraper Company. (See Burner, William L., assignor.)
Western Wheeled Scraper Company. (See Falkner, Benjamin H., assignor.)
Western Wheeled Scraper Company. (See Keown, George C., assignor.)
Western Wheeled Scraper Company. (See Slaker, Joseph H., assignor.)
Westfall, Harry G., et al. (See Hull, Alva M., assignor.)
Westfall, Loy W., Akron, Ohio. Slitting tool. 1,801,706; Apr. 21.
Westfall, Martin C. (See Lewis, Lewis C., assignor.)
Westfall, Thelma M., Hull, et al. (See Hull, Alva M., assignor.)
Westfall, William R., Kew Garden, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Ash receiver or similar article. Des. 84,269; May 26.
Westfield, John H., Indianapolis, Ind. Confection freezer. 1,823,633; Sept. 15.
Westfield River Paper Company. (See Scheele, Edwin H., assignor.)
Westhafter, Terrence O., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Producing carbon granules. 1,828,009; Oct. 20.
Westhoff, George G., Le Mars, Iowa. Saw attachment for tractors. 1,837,141; Dec. 15.
Westin, Daniel B., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for handling glassware. Re18,133; July 21.
Westin, Daniel B., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for handling glassware. 1,835,579; Dec. 8.
Westing, Louise E., New York, N. Y., assignor to Dorothy Gray, Bloomfield, N. J. Receptacle. 1,790,962; Feb. 3.
Westinghouse Air Brake Company, The. (See Apps, Charles H., assignor.)
Westinghouse Air Brake Company, The. (See Beecher, Eugene L., assignor.)
Westinghouse Air Brake Company, The. (See Burton, Thomas L., assignor.)
Westinghouse Air Brake Company, The. (See Burton, T. L., and Farmer, assignors.)
Westinghouse Air Brake Company, The. (See Cady, William M., assignor.)
Westinghouse Air Brake Company, The. (See Chevillot, Alfred, assignor.)
Westinghouse Air Brake Company, The. (See Dapron, Joseph M., assignor.)
Westinghouse Air Brake Company, The. (See Dapron, J. M., and Fitch assignors.)

Westinghouse Air Brake Company, The. (See Dean, William E., assignor.)
Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Fitch, Ellery R., assignor.)
Westinghouse Air Brake Company, The. (See Good, John N., assignor.)
Westinghouse Air Brake Company, The. (See Grosswege, John B., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Hukill, Henry D., assignor.)
Westinghouse Air Brake Company, The. (See Kelley, Cecil S., assignor.)
Westinghouse Air Brake Company, The. (See Kusebauch, Anton K., assignor.)
Westinghouse Air Brake Company. (See Leukhardt, Arthur R., assignor.)
Westinghouse Air Brake Company. (See Livingston, Fremont P., assignor.)
Westinghouse Air Brake Company. (See Mathieson, Andrew C., assignor.)
Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)
Westinghouse Air Brake Company, The. (See Nelson, Claude A., assignor.)
Westinghouse Air Brake Company, The. (See Neveu, Anselme, assignor.)
Westinghouse Air Brake Company, The. (See Newell, George K., assignor.)
Westinghouse Air Brake Company, The. (See Parke, Frederic H., assignor.)
Westinghouse Air Brake Company, The. (See Rummel, George W., assignor.)
Westinghouse Air Brake Company, The. (See Schwentler, Francis E., assignor.)
Westinghouse Air Brake Company, The. (See Stewart, Carlton D., assignor.)
Westinghouse Air Brake Company, The. (See Thomas, Frank B., assignor.)
Westinghouse Air Brake Company, The. (See Thomas, Thomas H., assignor.)
Westinghouse Air Brake Company, The. (See Thomas, T. H., and Whitaker, assignors.)
Westinghouse Air Brake Company, The. (See Thompson, Benjamin H., assignor.)
Westinghouse Air Brake Company, The. (See Vorech, Stephen, assignor.)
Westinghouse Air Brake Company, The. (See Whitaker, Uncas A., assignor.)
Westinghouse Air Brake Company, The. (See Wildin, George W., assignor.)
Westinghouse Air Brake Company, The. (See Williams, Samuel L., assignor.)
Westinghouse Air Brake Company, The. (See Winter, Harry J., assignor.)
Westinghouse Air Brake Company, The. (See Woernley, Harry F., assignor.)
Westinghouse Air Brake Company, The. (See Woods, John H., assignor.)
Westinghouse Electric Elevator Company. (See Dunlop, James, assignor.)
Westinghouse Electric Elevator Company. (See Kinnard, L. J., and Dunlop, assignors.)
Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)
Westinghouse Electric & Manufacturing Company. (See Allen, Robert C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Andersen, Niels K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Arnold, Edwin E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Aronoff, Samuel, assignor.)
Westinghouse Electric & Manufacturing Company. (See Ashbaugh, John H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Ashbaugh, J. H., and Nycum, assignors.)
Westinghouse Electric & Manufacturing Company. (See Ashbaugh, J. H., and Staege, assignors.)
Westinghouse Electric & Manufacturing Company. (See Aumann, Willy, assignor.)
Westinghouse Electric & Manufacturing Company. (See Austin, Bascum O., assignor.)
Westinghouse Electric & Manufacturing Company. (See Austin, W. M., and MacNeill, assignors.)
Westinghouse Electric & Manufacturing Company. (See Axell, Sven P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Back, Goldie, assignor.)
Westinghouse Electric & Manufacturing Company. (See Bahl, Johannes, assignor.)
Westinghouse Electric & Manufacturing Company. (See Baker, Benjamin P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baker, John F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bakken, Andrew H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Balsley, James R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Barnholdt, H. L., and Brown, assignors.)
Westinghouse Electric & Manufacturing Company. (See Barnsteiner, Alfons, assignor.)
Westinghouse Electric & Manufacturing Company. (See Barrow, George M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baruch, Milton, assignor.)
Westinghouse Electric & Manufacturing Company. (See Bates, Harry H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Batsel, Max C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baudry, René A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baum, Frank G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baumann, Karl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Beers, George L., assignor.)
Westinghouse Electric and Manufacturing Company. (See Bell, H. G., and Ross, assignors.)
Westinghouse Electric & Manufacturing Company. (See Bethel, Claude, assignor.)
Westinghouse Electric & Manufacturing Company. (See Bletz, Edward, assignor.)
Westinghouse Electric & Manufacturing Company. (See Boddie, Clarence A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Boddie, C. A., and Curtis, assignors.)
Westinghouse Electric & Manufacturing Company. (See Bollinger, Paul, assignor.)
Westinghouse Electric and Manufacturing Company. (See Bouton, E. M., and Lewis, assignors.)
Westinghouse Electric & Manufacturing Company. (See Bower, Maxwell, assignor.)
Westinghouse Electric & Manufacturing Company. (See Brace, Porter H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Bradshaw, W., and Mylius, assignors.)
Westinghouse Electric & Manufacturing Company. (See Brecht, Winston A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Breisch, Edgar W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Breisky, J. V., and Long, assignors.)
Westinghouse Electric and Manufacturing Company. (See Breisky, J. V., and McLaughlin, assignors.)
Westinghouse Electric & Manufacturing Company. (See Britt, James E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brindley, William E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Brown, Arthur L., assignor.)
Westinghouse Electric and Manufacturing Company. (See Brown, James M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brown, John L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brown, Roy L., assignor.)
Westinghouse Electric and Manufacturing Company. (See Bryant, O., and Schwendner, assignors.)
Westinghouse Electric & Manufacturing Company. (See Burnside, Carrol J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Burr, Gordon A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Burr, G. A., and Frakes, assignors.)
Westinghouse Electric and Manufacturing Company, (See Burr, Gordon A., and Schram, assignors.)
Westinghouse Electric and Manufacturing Company. (See Butcher, Charles A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Callsen, Albert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Carlisle, Richard W., assignor.)
Westinghouse Electric and Manufacturing Company, et al. (See Carlisle, R. W., assignor, and Pierson.)
Westinghouse Electric & Manufacturing Company. (See Case, Samuel L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Chrichton, Leslie N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Chubb, Lewis W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clarke, Earl B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clarke, John A., jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clay, Noble S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Claytor, Edward M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Colby, Ora A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)
Westinghouse Electric and Manufacturing Company. (See Cole, H. L., and George, assignors.)
Westinghouse Electric & Manufacturing Company. (See Corbit, John, assignor.)
Westinghouse Electric & Manufacturing Company. (See Cordes, Oscar C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cornfield, Howard R., assignor.)

Westinghouse Electric & Manufacturing Company. (See Crabbs, Herbert J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Crabbs, H. J., and Croft, assignors.)
Westinghouse Electric & Manufacturing Company. (See Crichton, Leslie N., assignor.)
Westinghouse Electric and Manufacturing Company. (See Crichton, L. N., and Breisky, assignors.)
Westinghouse Electric & Manufacturing Company. (See Croft, Alvin, assignor.)
Westinghouse Electric & Manufacturing Company. (See Currie, Gilbert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Davies, David R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Davis, Neville R., assignor.)
Westinghouse Electric and Manufacturing Company. (See Davis, N. R., and Burbridge, assignors.)
Westinghouse Electric & Manufacturing Company. (See Davis, N. R., and Burch, assignors.)
Westinghouse Electric and Manufacturing Company. (See Davis, N. R., Marchbanks, and Ludlow, assignors.)
Westinghouse Electric & Manufacturing Company. (See Davis, Robert L., assignor.)
Westinghouse Electric and Manufacturing Company. (See Davis, R. L., and Horn, assignors.)
Westinghouse Electric and Manufacturing Company. (See Davis, R. L., and Little, assignors.)
Westinghouse Electric & Manufacturing Company. (See Deau, Dale W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Delitsch, Otto, assignor.)
Westinghouse Electric & Manufacturing Company. (See Denman, Earl W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Densmore, Benjamin V., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dorfman, Hiller D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Drury, Thomas W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Eames, William F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Eaton, George M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Else, Harry D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Elsey, Howard M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Eschholz, Otto H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Estorff, Walther, assignor.)
Westinghouse Electric & Manufacturing Company. (See Evans, Robert D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Falknor, Frank B., assignor.)
Westinghouse Electric and Manufacturing Company. (See Falknor, F. B., and Goldsborough, assignors.)
Westinghouse Electric & Manufacturing Company. (See Farley, William R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fay, Carl J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fechheimer, Carl J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Field, Russell M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Flanders, Warren B., assignor).
Westinghouse Electric & Manufacturing Company. (See Forbes, Henry C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ford, James G., assignor.)
Westinghouse Electric and Manufacturing Company. (See Ford, J. G., and Wilharm, assignors.)
Westinghouse Electric & Manufacturing Company. (See Foresman, Robert A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Foresman, R. A., and Mossart, assignors.)
Westinghouse Electric & Manufacturing Company. (See Forshee, Frank F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Frank, Leo C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Freeman, Hubert M., assignor.)
Westinghouse Electric and Manufacturing Company. (See Frost, L. E., and McBride, assignors.)
Westinghouse Electric & Manufacturing Company. (See Fuller, Bert F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gallahan, Walter, assignor.)
Westinghouse Electric & Manufacturing Company. (See Gano, Harlan S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gay, Frazer W., assignor.)
Westinghouse Electric & Manufacturing Company. (See George, Robert B., assignor.)
Westinghouse Electric and Manufacturing Company. (See George, R. B., and West, assignors.)
Westinghouse Electric & Manufacturing Company, et al. (See Getz, Benjamin E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Goddard, Charles F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Goelz, Leonard A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Goff, James T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Goldsborough, Shirley L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Grau, Ernst, assignor.)
Westinghouse Electric & Manufacturing Company. (See Grissinger, George G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Gulliksen, F. H., and Nycum, assignors.)
Westinghouse Electric & Manufacturing Company. (See Guy, Henry L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gwaltney, William E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Haas, Carl F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Halfvarson, Gustaf A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanzlik, Henry J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Harmon, Ralph N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hartman, Harry F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Haverstick, Earl J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hawkinson, Emil E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Heinrich, Richard, assignor.)
Westinghouse Electric & Manufacturing Company. (See Hellmund, Rudolf E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Herr, Herbert T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hester, Edgar A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hetherington, George V., assignor.)
Westinghouse Electric & Manufacturing Company. (See High, Jurjen S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hill, Byron R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hill, Leland H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Himes, Walter H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hitchcock, Richard C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hodgkins, Charles H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hodgkinson, Francis, assignor.)
Westinghouse Electric & Manufacturing Company. (See Holmes, Ray H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Horsley, C., and Goldfield, assignors.)
Westinghouse Electric & Manufacturing Company. (See Howes, Douglas E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hummel, Robert C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hyde, Harold G., assignor.)
Westinghouse Electric & Manufacturing Company. (See James, Henry D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jaspert, William B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jennings, Oliver S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Joachim, William F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Johnston, Howard H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jones, Gordon F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jordan, Richard, assignor.)
Westinghouse Electric and Manufacturing Company. (See Jordan, R. H., Hadley, and Dohner, assignors.)
Westinghouse Electric & Manufacturing Company. (See Jungk, Herbert G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kalischer, Milton, assignor.)
Westinghouse Electric & Manufacturing Company. (See Kasley, Alexander T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kehoe, Arthur H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kempton, Willard H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Kempton, W. H., and Roantree, assignors.)
Westinghouse Electric & Manufacturing Company. (See Kerrigan, John, assignor.)
Westinghouse Electric & Manufacturing Company. (See King, George E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kinnard, Luther J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Knowles, Dewey D., assignor.)

Westinghouse Electric & Manufacturing Company. (See Kraner, Hobart M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Krantz, Hubert K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kraut, Samuel B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kroger, Bernard J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kroppelin, Johannes, assignor.)
Westinghouse Electric & Manufacturing Company. (See Kucher, Andrew A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kuhns, Alexander, assignor.)
Westinghouse Electric & Manufacturing Company. (See Kuyser, Jan A., assignor.)
Westinghouse Electric & Manufacturing Company. (See La Bar, Bert G., assignor.)
Westinghouse Electric & Manufacturing Company. (See La Bar, B. G., and Mylius, assignors.)
Westinghouse Electric & Manufacturing Company. (See Landon, Vernon D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lauffer, Frank P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Legg, Joseph W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lenehan, Bernard E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lewis, Frank E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lindstrom, Ture, assignor.)
Westinghouse Electric & Manufacturing Company. (See Lingal, Harry J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Little, Donald G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Loewy, Raymond, assignor.)
Westinghouse Electric & Manufacturing Company. (See Long, Thomas H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ludwig, Leon R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lunt, Robert W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lyon, Henry H., assignor.)
Westinghouse Electric & Manufacturing Company. (See MacDonald, Howard G., assignor.)
Westinghouse Electric & Manufacturing Company. (See MacGahan, Paul, assignor.)
Westinghouse Electric & Manufacturing Company. (See MacNeill, John B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mains, Gerald H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Marsland, R., and Bryant, assignors.)
Westinghouse Electric & Manufacturing Company. (See Matthews, Howard D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mattingly, Harold W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Maude, A. H., Rodman, Styer, and Wilharm, assignors.)
Westinghouse Electric & Manufacturing Company. (See McBride, Byron V., assignor.)
Westinghouse Electric & Manufacturing Company. (See McCafferty, Robert H., assignor.)
Westinghouse Electric & Manufacturing Company. (See McCoy, James L., assignor.)
Westinghouse Electric & Manufacturing Company. (See McCoy, Walter E., assignor.)
Westinghouse Electric & Manufacturing Company. (See McCullough, Frederick S., assignor.)
Westinghouse Electric & Manufacturing Company. (See McCulloch, Leon, assignor.)
Westinghouse Electric & Manufacturing Company. (See McGee, John E., assignor.)
Westinghouse Electric & Manufacturing Company. (See McIntyre, Edward W., assignor.)
Westinghouse Electric & Manufacturing Company. (See McNeill, Ralph W., assignor.)
Westinghouse Electric & Manufacturing Company. (See McShane, Pehlan, assignor.)
Westinghouse Electric & Manufacturing Company. (See Merten, William J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Meyer, Frank A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Meyer, Gerhart, assignor.)
Westinghouse Electric & Manufacturing Company. (See Meyer, John S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Miller, Charles F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Miller, Frederic H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Miller, William L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mochel, Norman L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mohr, Georg, assignor.)
Westinghouse Electric & Manufacturing Company. (See Moore, George A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Moreau, Albert L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Morgan, David W. R., assignor.)
Westinghouse Electric and Manufacturing Company. (See Morrison, Montford, assignor.)
Westinghouse Electric & Manufacturing Company. (See Mosshart, Donald J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mottlau, August J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Müller-Hillebrand, Dietrich, assignor.)
Westinghouse Electric & Manufacturing Company. (See Mylius, Walter G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mylius, W. G., and La Bar, assignors.)
Westinghouse Electric & Manufacturing Company. (See Nagel, Harry C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Natalis, Friedrich, assignor.)
Westinghouse Electric and Manufacturing Company. (See Need, Leslie R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Needham, Ollie, assignor.)
Westinghouse Electric & Manufacturing Company. (See Noden, Thomas M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Nottage, Stanley G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Nystrom, Carl F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ow, Joseph W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Packer, Lewis C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Paschen, Paul, assignor.)
Westinghouse Electric & Manufacturing Company. (See Paszkowski, Paul, assignor.)
Westinghouse Electric & Manufacturing Company. (See Paul, Bryan B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Perkins, Laurence M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Perkins, Thomas S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Peters, John F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Peters, J. F., and Rylander, assignors.)
Westinghouse Electric & Manufacturing Company. (See Peterson, Alfred J. A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Potter, John A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pukerud, Thomas S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Randall, Karl C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rathbun, John P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ray, James L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Read, Ernest K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Reagan, Maurice E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Reavis, Andrew B., assignor.)
Westinghouse Electric and Manufacturing Company. (See Reichmann, R., and Zimmermann, assignors.)
Westinghouse Electric & Manufacturing Company. (See Reynders, Arthur B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ritter, John G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rose, E. E., assignor, and Welsh.)
Westinghouse Electric & Manufacturing Company. (See Ross, Malcolm D., assignor.)
Westinghouse Electric and Manufacturing Company. (See Ross, T. W., and Ryder, assignors.)
Westinghouse Electric & Manufacturing Company. (See Rudenberg, Reinhold, assignor.)
Westinghouse Electric & Manufacturing Company. (See Rugg, Harold H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rugg, H. H., and Shotwell, assignors.)
Westinghouse Electric & Manufacturing Company. (See Rugg, Walter S., assignor.)
Westinghouse Electric and Manufacturing Company. (See Sandin, Jerome, assignors.)
Westinghouse Electric & Manufacturing Company. (See Sandin, Maurits J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaake, William, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schade, K., and Hochreuter, assignors.)
Westinghouse Electric & Manufacturing Company. (See Schaelchlin, Walter, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schenck, Samuel B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmid, Walter, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmutz, Oskar, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schofield, Stanley T., assignor.)

Westinghouse Electric & Manufacturing Company. (See Schramm, Walter H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schuster, Otto P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schwendner, Anthony F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schwendner, A. F., and Myers, assignors.)
Westinghouse Electric & Manufacturing Company. (See Sellick, H. K., and Kalischer, assignors.)
Westinghouse Electric & Manufacturing Company. (See Shand, Errol B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Shand, E. B., and Smede, assignors.)
Westinghouse Electric & Manufacturing Company. (See Sheely, Robert R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Short, Ira, assignor.)
Westinghouse Electric & Manufacturing Company. (See Shuey, Paul F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Simpson, Frank R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sinclair, G. C., and Brown assignors.)
Westinghouse Electric & Manufacturing Company. (See Sipher, Edmund F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sittig, Karl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Skvortzoff, Alexander A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sleeper, Harvey P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Slocum, B. H., Bouslough, and Burnham, assignors.)
Westinghouse Electric & Manufacturing Company. (See Smeby, Justin G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Harold B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, James N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Roy M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Walter H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Sonnemann, William K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sparkes, Harry P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Speiser, Gottlieb, assignor.)
Westinghouse Electric & Manufacturing Company. (See Sperti, George assignor.)
Westinghouse Electric & Manufacturing Company. (See Sprague, Frank J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Staege, Stephen A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stalder, Louis, assignor.)
Westinghouse Electric and Manufacturing Company. (See Stegeman, Albert J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stickney, Fernald S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stone, Morris, assignor.)
Westinghouse Electric & Manufacturing Company. (See Storer, Norman W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Styer, Charles A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sutherlin, Lee, assignor.)
Westinghouse Electric & Manufacturing Company. (See Swezey, William F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Taddiken, Ulrich A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Taliaferro, William R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tanberg, Ragnar, assignor.)
Westinghouse Electric & Manufacturing Company. (See Terry, Matson C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Terry, M. C., Kalischer, and Buckley, assignors.)
Westinghouse Electric & Manufacturing Company. (See Thau, Walter E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Thomas, Phillips, assignor.)
Westinghouse Electric & Manufacturing Company. (See Thompson, Arthur W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Thompson, A. W., and Dann, assignors.)
Westinghouse Electric & Manufacturing Company. (See Thornton, Frank, jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Townsend, John R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Travers, Henry A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Trouant, Virgil E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Trumpler, William E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ulrey, Dayton, assignor.)
Westinghouse Electric & Manufacturing Company. (See Unverdross, Hermann, assignor.)
Westinghouse Electric & Manufacturing Company. (See Van Derau, Clarence, assignor.)
Westinghouse Electric and Manufacturing Company. (See Van Sickle, R. C., and Schofield, assignors.)
Westinghouse Electric & Manufacturing Company. (See Vaughan, Victor G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Vaupel, Albert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Vedder, Edwin H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Völzing, Rudolf, assignor.)
Westinghouse Electric & Manufacturing Company. (See Von Hoorn, Fred G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wade, Wallace G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wahlberg, Nils A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Waite, Griffin G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Walper, Edward, assignor.)
Westinghouse Electric & Manufacturing Company. (See Walton, John Q., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ward, William R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Weaver, James R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Weinberger, Anton, assignor.)
Westinghouse Electric & Manufacturing Company. (See Wensley, Roy J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wensley, R. J., and McCoy, assignors.)
Westinghouse Electric & Manufacturing Company. (See Werner, Oscar, assignor.)
Westinghouse Electric & Manufacturing Company. (See Wheeler, Brian, assignor.)
Westinghouse Electric & Manufacturing Company. (See White, Harold E., assignor.)
Westinghouse Electric and Manufacturing Company. (See White, H. E., and James, assignors.)
Westinghouse Electric & Manufacturing Company. (See White, Thomas U., assignor.)
Westinghouse Electric & Manufacturing Company. (See Whittaker, Charles C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Whittaker, C. C., and Smith, assignors.)
Westinghouse Electric & Manufacturing Company. (See Wiggins, Albert M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wilde, Oskar, assignor.)
Westinghouse Electric & Manufacturing Company. (See Willby, Norman H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Williams, Clifton S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Williams, Harold W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Winkler, Frederic C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wise, Allen S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wittaker, Charles C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wolf, Lester J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wolfert, Edward R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wood, Joseph D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Woodson, James C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Yensen, Trygve D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Zuhlke, Marcel, assignor.)
Westinghouse Electric & Manufacturing Company. (See Zworykin, Vladimir K., assignor.)
Westinghouse Lamp Company. (See Anderson, Homer G., assignor.)
Westinghouse Lamp Company. (See Bonney, Alfred, jr.)
Westinghouse Lamp Company. (See Brindle, Robert, jr., assignor.)
Westinghouse Lamp Company. (See Compton, Arthur H., assignor.)
Westinghouse Lamp Company. (See Conn, Robert W., assignor.)
Westinghouse Lamp Company. (See Davenport, Edmund S., assignor.)
Westinghouse Lamp Company. (See Dester, William F., assignor.)
Westinghouse Lamp Company. (See Driggs, Frank H., assignor.)
Westinghouse Lamp Company. (See Driggs, F. H., and Lilliendahl, assignors.)
Westinghouse Lamp Company. (See Driggs, F. H., and Marden, assignors.)
Westinghouse Lamp Company. (See Du Mont, Allan B., assignor.)
Westinghouse Lamp Company. (See Ekstedt, John W., assignor.)

Westinghouse Lamp Company. (See Fagan, James M., assignor.)
Westinghouse Lamp Company. (See Ferguson, John E., assignor.)
Westinghouse Lamp Company. (See Ferguson, J. E., and Nicolai, assignors.)
Westinghouse Lamp Company. (See Gero, W. B., and Davenport, assignors.)
Westinghouse Lamp Company. (See Gustin, Daniel S., assignor.)
Westinghouse Lamp Company. (See Hageman, A. M., and Lindstrom, assignors.)
Westinghouse Lamp Company. (See Hoyt, Milton A., asignor.)
Westinghouse Lamp Company. (See Huffman, Charles E., assignor.)
Westinghouse Lamp Company. (See Hunt, Charles W., assignor.)
Westinghouse Lamp Company. (See Iredell, Charles V., assignor.)
Westinghouse Lamp Company. (See Jones, Hugo W., assignor.)
Westinghouse Lamp Company. (See Kiernan, William P., assignor.)
Westinghouse Lamp Company. (See Kintner, Watson, assignor.)
Westinghouse Lamp Company. (See Kirby, Joseph, assignor.)
Westinghouse Lamp Company. (See Koechel, Walter P., assignor.)
Westinghouse Lamp Company. (See Lederer, Ernest A., assignor.)
Westinghouse Lamp Company. (See Lockwood, Lloyd D., assignor.)
Westinghouse Lamp Company. (See MacRae, Duncan, assignor.)
Westinghouse Lamp Company. (See Marden, John W., assignor.)
Westinghouse Lamp Company. (See Marden, J. W., and Lederer, assignors.)
Westinghouse Lamp Company. (See Marden, J. W., and Rentschler, assignors.)
Westinghouse Lamp Company. (See Marden, J. W., and Rich, assignors.)
Westinghouse Lamp Company. (See Morrison, Montford, assignor.)
Westinghouse Lamp Company. (See Ramage, John H., Hellmund, R., and Dickinson, assignors.)
Westinghouse Lamp Company. (See Rau, Henry, jr., assignor.)
Westinghouse Lamp Company. (See Rentschler, Harvey C., assignor.)
Westinghouse Lamp Company. (See Rentschler, H. C., and Henry, assignors.)
Westinghouse Lamp Company. (See Rentschler, H. C. and Merrymon., assignors.)
Westinghouse Lamp Company, The. (See Seletzky, Anatoli C., assignor.)
Westinghouse Lamp Company. (See Ulrey, Clayton T., assignor.)
Westinghouse Lamp Company. (See Van Voorhis, Cletus C., assignor.)
Westinghouse Lamp Company. (See Wadsten, Sten, assignor.)
Westinghouse Lamp Company. (See Walton, Frank W., assignor.)
Westinghouse Lamp Company. (See Weingartner, William, assignor.)
Westling, Carl J., Chicago, Ill. Valve. 1,812,069; June 30.
Westling, William, Minneapolis, Minn. Radius-rod bushing. 1,797,458; Mar. 24.
Westling, William, Minneapolis, Minn. Auxiliary spring for an engine support. 1,828,452; Oct. 20.
Westlund, John H., Marshalltown, Iowa. Safety device for automobiles. 1,811,484; June 23.
Westman, Francis C., Toronto, Ontario, Canada. Rotary ice scoring machine. 1,812,731; June 30.
Westman, Le Roy A., and G. B. Carman, Cleveland, Ohio. Hydraulic shock absorber. 1,807,362; May 26.
Westman, Le Roy A., and G. B. Carman, Cleveland, Ohio. Hydraulic shock absorber. 1,818,773; Aug. 11.
Westmoreland, Charles R., Oklahoma City, Okla. Positive-drive axle for vehicles. 1,798,241; Mar. 31.
Westmoreland Glass Company. (See Becker, George, assignor.)
Weston, Burton G., assignor to Hanlon-Waters, Inc., Tulsa, Okla. Sucker rod or tubing elevator. 1,814,990; July 14.
Weston, Edward F., assignor to Western Electrical Instrument Corporation, Newark, N. J. Electric tachometer. 1,798,823; Mar. 31.
Weston, Edward F., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Magneto. 1,805,608; May 19.
Weston Electrical Instrument Corporation. (See Romain, Burchard P., assignor.)
Weston Electrical Instrument Corporation. (See Weston, Edward F., assignor.)
Weston, Ernest H., East Orange, assignor to The Whitehead & Hoag Company, Newark, N. J. Badge or similar article. Des. 85,141; Sept. 15.
Weston, Lawrence O. (See Weston, L. A., and L. O.)
Weston, Leroy A. and L. O., Adams, Mass. Wire twisting machine. 1,802,799; Apr. 28.
Weston, Leroy A. and L. O., Adams, Mass. Gasket-shaping device. 1,818,180; Aug. 11.
Weston, Milton T., New York, N. Y. Electrical sectional drive for paper machines. 1,837,803; Dec. 22.
Weston, Oliver, Warrensville, Ohio. Toy. 1,798,242; Mar. 31.
Weston, Stanton H. (See Kinkaid, J. H., and Weston.)
Weston, William, Independence, assignor to J. F. Pritchard & Co., Kansas City, Mo. Cooling tower. 1,826,912; Oct. 13.
Westover, John B., Houston, Tex. Clock case. Des. 84,771; July 28.
Westphal, Charles E., Gardenville, N. Y. Scraper. 1,799,032; Mar. 31.
Westphal, Frederick, & Bro. (See Hellweil, Samuel. assignor.)
Westphal, William, Los Angeles, Calif. Combined davenport and bed. 1,800,579; Apr. 14.
Westphalen, Leonard. (See Clark, William A., assignor.)
Westrope, Fred J., Detroit, Mich., assignor to The Murray Corporation of America. Door spindle lock nut. 1,821,682; Sept. 1.
Weter, John W., Phillipsburg, assignor to Madeira, Hill & Company, Philadelphia, Pa. 1,828,482; Oct. 20.
Wetherbee, Ashur U. (See Graham, W. C., Rumsey, and Wetherbee.)
Wetherbee, Ashur U., Chicago, Ill. Boiler 1,820,520; Aug. 25.
Wetherbee, Earl H., St. Paul, Minn. Holder and clamp. 1,821,488; Sept. 1.
Wetherbee, Harry L. (See Grilli, J. P., and Wetherbee.)
Wetherbee, Herbert E., Cleveland Heights, Ohio, assignor of one-third to R. F. Grant, New York, N. Y., and one-third to H. M. Hanna, Cleveland, Ohio. Duplex rear-view mirror. 1,808,740; June 2.
Wetherill, John P., 3d, Kensington, Md. Separating ammonia from gases. 1,834,814; Dec. 1.
Wetherill-Morris Engineering Company. (See Morris, A. W., and Wetherill, assignors.)
Wetherill, Samuel P., jr. (See Morris, A. W., and Wetherill.)
Wethey, A. H., jr. (See Jensen, Charles E., assignor.)
Wetmore, Charles P., assignor to A. O. Smith Corporation, Milwaukee, Wis. Receding and collapsing tap for threading pipe couplings. 1,813,594; July 7.
Wetmore, Earl P., Concord, Mich., assignor, by mesne assignments, to Chester H. Braselton Corporation, Jersey City, N. J. Packaging machine. 1,835,547; Dec. 8.
Wetmore, Julian N., Miami, Fla. Sash retaining means. 1,808,621; June 2.
Wetmore, Julian N., Miami, Fla. Lawn mower. 1,814,991; July 14.
Wetmore, Laurence, Alameda, Calif., and H. E. Riggs, Akron, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Soapstoning device. 1,797,183; Mar. 17.
Wetmore, Miner P. (See Payson, A. E., and Wetmore.)
Wetmore, Miner P., Norwich, Conn. Combined printing and vending machine. 1,790,562; Jan. 27.
Wetmore, Miner P., assignor to The American Thermos Bottle Company, Norwich, Conn. Bottle-silvering machine. 1,804,484; May 12.
Wetmore, Miner P., assignor to The American Thermos Bottle Company, Norwich, Conn. Bottle conveyer. 1,812,390; June 30.
Wetmore, Miner P., assignor to The American Thermos Bottle Company, Norwich, Conn. Bottle-sealing method and apparatus. 1,813,105; July 7.
Wetstein, Mentor, Cincinnati, Ohio. Separable plug. 1,835,251; Dec. 8.
Wetterstrand, Knut O. G., Summit, N. J. Guide for lettering. 1,821,369; Sept. 1.
Wettig, Theodore A. (See Meier, C., and Wettig.)
Wettig, Theodore A., and C. Meier, assignors to The Acme Machine Tool Company, Cincinnati, Ohio. Chasing attachment for lathes. 1,823,242; Sept. 15.
Wettlaufer, William L., Buffalo, N. Y. Shaking screen. 1,832,518; Nov. 17.
Wetton, Merle T., et al. (See Franks, George A., assignor.)
Wettstein, Henry, New York, N. Y. Helicopter. 1,788,218; Jan. 6.
Wetzel, Clyde L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Protective apparatus. 1,793,034; Feb. 17.
Wetzel, Doyle S., Pittsburgh, Pa. Roller shade mounting. 1,823,520; Sept. 15.
Wetzel, Guy F., Chicago, Ill. Shelf rack. Dec. 85,799; Dec. 15.
Wetzel, Lewis C., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Antifriction bearing. 1,837,601; Dec. 22.
Wetzell, Carlos, Friedenau, near Berlin, and W. Inhoffen, Wilmersdorf, near Berlin, Germany, assignors to N. V. Internationale Automaten Maatschappij, la Lange Voorhout, The Hague, Netherlands. Coin-controlled vending machine. 1,788,902; Jan. 13.
Wetzell, Clare A., Sterling, Ill. Figured toy. 1,802,854; Apr. 28.
Wetzler, Leo, Baltimore, Md. Reversible vest. 1,830,726; Nov. 3.
Wetzler, Max, New York, N. Y. Clamping device. 1,809,768; June 9.
Wetzler, Max, New York, N. Y. Veneer press. 1,809,769; June 9.

Wever, John A., Baltimore, Md. Outlet-box support. 1,789,124; Jan. 13.
Weyand, Carl L., Waterbury, Conn. Eaves trough. 1,793,982; Feb. 24.
Wewerka, August H. (See Haase, F. A., and Wewerka.)
Weyandt, Carl S., Pittsburgh, Pa. Reciprocating motor. 1,797,253; Mar. 24.
Weyandt, Carl S., Pittsburgh, Pa. Tie-tamping system and operating the same. 1,819,009; Aug. 18.
Weyandt, Carl S., Pittsburgh, Pa., assignor to Central Electric Tool Company. Controlling vibratory motors. 1,817,403; Aug. 4.
Weyandt, Carl S., assignor to Central Electric Tool Company, Pittsburgh, Pa. Method of and apparatus for operating electric motors. 1,819,008; Aug. 18.
Weyandt, Carl S., and H. E. Fox, Pittsburgh, Pa., assignors, by mesne assignments, to Central Electric Tool Company. Reciprocating motor. 1,819,140; Aug. 18.
Weydmann, Philipp A. (See Fränkl, Mathias, assignor.)
Weyerhaeuser Timber Company. (See Morgan, Harry E., assignor.)
Weyerhaeuser Timber Company. (See Payzant, Henry H., assignor.)
Weymouth, Harry G., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Adjustable tangent arm for gas meters. 1,826,850; Oct. 13.
Weyrick, Warren B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Manometer. 1,832,826; Nov. 17.
Wezel & Naumann Aktiengesellschaft, the Firm. (See Clemens, Ludwig, assignor.)
Whalen, Edward J., assignor to Redirected Light Corporation of America, Syracuse, N. Y. Head lamp construction. 1,810,235; June 16.
Whalen, Edward J., assignor to Redirected Light Corporation of America, Syracuse, N. Y. Headlamp construction. 1,815,751; July 21.
Whalen, James, Omaha, Nebr. Electric switch. 1,819,831; Aug. 18.
Whalen, James, Omaha, Nebr. Oscillating electric motor. 1,835,832; Dec. 8.
Whalen, John T., New York, N. Y. Therapeutic comb. 1,794,130; Feb. 24.
Whalen, Nicholas. (See Healy, E. C., and Whalen.)
Whalen, Thomas, New York, N. Y. Bathing table. 1,817,596; Aug. 4.
Whaley, John W., Richmond, Va. Slip cover for automobile seats. 1,817,404; Aug. 4.
Whaley, John W., Richmond, Va. Seat cover. 1,820,104; Aug. 25.
Whaley, Leonard D., assignor, by mesne assignments, to Taylor-Travers Corporation, Ltd., Los Angeles, Calif. Casing for a radio circuit-controlling apparatus. Des. 83,139; Jan. 20.
Whaley, Ralph S., Seattle, Wash., assignor to Petroleum Heat and Power Company, New York, N. Y. Gear pump. 1,834,754; Dec. 1.
Whaley, William, Knoxville, Tenn. Shoveling machine. 1,797,459; Mar. 24.
Whaley, William, Knoxville, Tenn. Shoveling machine. 1,814,067; July 14.
Whalin, John J., Baltimore, Md., assignor to General Electric Company. Electroplating apparatus. 1,798,994; Mar. 31.
Whamond, Archie D., Philadelphia, and A. G. G. Salenius, Altoona, Pa. Signal equipment for railway vehicles. 1,837,843; Dec. 22.
Wharam, John J., Detroit, assignor to Ford Motor Company, Fordson, Mich. Spare wheel lock. 1,810,195; June 16.
Wharam, John J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Lock. 1,821,130; Sept. 1.
Wharton, Edward R., Medford, Mass. Valve structure. 1,837,843; Dec. 22.
Wharton, Selvin T., assignor of one-half to E. S. Jones, Columbus, Miss. Brake for fishing reels. 1,821,735; Sept. 1.
Whatley, Joseph L., Homestead, Pa. Electric-light socket. 1,792,341; Feb. 10.
Whatley, Walter V., Akron, Ohio. Machine gun toy. 1,789,206; Jan. 13.
Whatmough, Wilfred A. (See Hewitt, H. S., and Whatmough.)
Whatmough, Wilfred A., New Barnet, and W. L. Fisher, Richmond, England. Carbureting of air particularly for internal-combustion engines. 1,797,113; Mar. 17.
Whatmough, Wilfred A., New Barnet, and H. Weslake, Kensington, England. Spray carburetor. 1,816,756; July 28.
Whatmough, William H., London, England, assignor to Standard Products Corporation. Composite lake pigment. 1,813,371; July 7.
Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Baggage carrier. 1,787,767; Jan. 6.
Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Baggage carrier. 1,819,274; Aug. 18.
Wheary, George H., and B. M. Hamlin, assignors to Wheary Trunk Company, Racine, Wis. Hand luggage. 1,799,877; Apr. 7.
Wheary, George H., and B. M. Hamlin, assignors to Wheary Trunk Company, Racine, Wis. Luggage carrier. 1,812,185; June 30.
Wheary, George H., and B. M. Hamlin, assignors to Wheary Trunk Company, Racine, Wis. Luggage. 1,830,582; Nov. 3.
Wheary, Joseph R., and G. J. Lucas, Crewe, Va. Locomotive smoke box construction. 1,812,912; July 7.
Wheary Trunk Company. (See Hamlin, Benjamin M., assignor.)
Wheary Trunk Company. (See Wheary, George H., assignor.)
Wheary Trunk Company. (See Wheary, G. H., and Hamlin, assignors.)
Wheat, Frank B. (See Cederholm, Carl, assignor.)
Wheat, George G., Rockport, Mass., and P. N. Garrigus, New York, N. Y. Inflatable globe and manufacturing same. 1,798,644; Mar. 31.
Wheat, Grant, assignor to Koehler Manufacturing Company, Marlboro, Mass. Charging rack for miners lamps. 1,800,918; Apr. 14.
Wheat, Roland E., Storm Lake, Iowa. Paper holder. 1,814,200; July 14.
Wheat, William G. (See Byers, F. E., and Wheat.)
Wheat, William G., and F. E. Byers, Kansas City, Mo. Toothbrush and power-actuating means therefor. 1,832,519; Nov. 17.
Wheatcroft, Edward L. E. (See Petch, Herbert S., and Wheatcroft.)
Wheatcroft, Violette E., West New Brighton, N. Y. Collapsible rack for radiators. 1,807,363; May 26.
Wheatley, Harry H., Pittsburgh, Pa. Stringed musical instrument. 1,836,214; Dec. 15.
Wheaton, A. W., Brass Works. (See Wheaton, Abram W., assignor.)
Wheaton, Abram W., Maplewood, assignor to A. W. Wheaton Brass Works, Newark, N. J. Coupling connection for filling lines of underground tanks. 1,830,973; Nov. 10.
Wheaton, Philip T., and W. Kinghorn, assignors, by mesne assignments, to McKinnon Dash Company, Buffalo, N. Y. Covering for laminated springs. 1,791,545; Feb. 10.
Wheaton, Robert S., assignor to The Vilter Manufacturing Company, Milwaukee, Wis. Evaporator coil. 1,808,331; June 2.
Wheaton, Robert S., assignor to The Vilter Manufacturing Company, Milwaukee, Wis. Refrigerating apparatus. 1,833,698; Nov. 24.
Wheeler, Amos G. (See Norton, E. R., and Wheeler.)
Wheeler, Arthur, assignor to Folmer Graflex Corporation, Rochester, N. Y. Camera. 1,829,319; Oct. 27.
Wheeler, Brian, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Locomotive truck. 1,829,464; Oct. 27.
Wheeler, C. H., Manufacturing Company. (See Pratt, Louis L., assignor.)
Wheeler Company. (See Schmidt, Joseph F., assignor.)
Wheeler, Edmund B., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Inductance device. 1,837,245; Dec. 22.
Wheeler, Edwin B., New London, Conn. Welded ship. 1,810,097; June 16.
Wheeler, Emma. (See Roessner, W. L., Wheeler, and Smedley.)
Wheeler, Ernest S., and A. L. Burdick, Honolulu, Hawaii. Advertising device. 1,796,903; Mar. 17.
Wheeler, Ernest S., and A. L. Burdick, Honolulu, Hawaii. Advertising device. 1,800,764; Apr. 14.
Wheeler, Eugene W., Salem, Oreg. Jar lifter. 1,826,194; Oct. 6.
Wheeler, Evan R., North Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Automatic tape-controlled transmission for tickers. Re18,208; Sept. 22.
Wheeler, Evan R., North Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Projecting apparatus. 1,811,770; June 23.
Wheeler, Frank, Del Norte, Colo. Potato digger conveyer shaker. 1,814,992; July 14.
Wheeler, Gardner E., and C. Oppe, New Haven, Conn. Vehicle arm or prop. 1,804,728; May 12.
Wheeler, George F. (See Todd, J. H., and Wheeler.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Electric coupling circuits. 1,831,431; Nov. 10.
Wheeler, Harve M. (See Kinzbach, F., and Wheeler.)
Wheeler, Harvey C. (See Thompson, Charles W., assignor.)
Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Feed for cigar enveloping machines. 1,838,167; Dec. 29.
Wheeler, Howard L., Fort Myers, Fla. Tile. 1,803,158; Apr. 28.
Wheeler, J. R., et al. (See Fink, Berl I., assignor.)
Wheeler, Leonard H., assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel pump for internal-combustion engines. 1,788,647; Jan. 13.
Wheeler, Leonard H., assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel-pumping device. 1,799,771; Apr. 7.
Wheeler, Leonard H., assignor to Stewart-Warner Corporation, Chicago, Ill. Pumping gasoline gauges. 1,812,027; June 30.
Wheeler, Leonard H., assignor to Stewart-Warner Corporation, Chicago, Ill. Depth gauge and pump. 1,825,708; Oct. 6.
Wheeler Reflector Company. (See Henry, G. J., and Sawin, assignors.)
Wheeler Reflector Company. (See Sawin, Kenneth A., assignor.)
Wheeler, Robert G., et al. (See Kaminski, John, assignor.)

Wheeler-Schebler Carburetor Co. (See Berry, Otto C., assignor.)
Wheeler-Schebler Carburetor Co., The. (See Berry, O. C., and Linkert, assignors.)
Wheeler-Schebler Carburetor Co., The. (See Kimball, Andrew L., assignor.)
Wheeler-Schebler Carburetor Company, The. (See Linkert, Howard W., assignor.)
Wheeler-Schebler Carburetor Co., The. (See Timian, Harold H., assignor.)
Wheeler Screen Company. (See Vaughan, Berkeley S., assignor.)
Wheeler, Vern A. (See Gonsett, R. R., and Wheeler.)
Wheeler, Walter H., jr., and A. K. Viele, assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn. Postage indicia stamp pad. 1,821,044; Sept. 1.
Wheeler, William, Brooklyn, N. Y. Motor vehicle. 1,831,983; Nov. 17.
Wheeler, William G., Marion, Ohio. Heater. 1,797,627; Mar. 24.
Wheeler, William H., New York, N. Y., and J. C. Logan, Jersey City, N. J. Anchorage. 1,809,464; June 9.
Wheeler, William H., New York, N. Y., and J. C. Logan, Jersey City, N. J. Anchorage. 1,809,465; June 9.
Wheeler, William I., Scottville, Ill. Repair nose for plow shares. 1,807,459; May 26.
Wheeling Steel Corporation. (See Belton, J. M., and Verwohlt, assignors.)
Wheeling Steel Corporation. (See De Gant, George B., assignor.)
Wheeling Steel Corporation. (See Kielberg, Henry, assignor.)
Wheeling Steel Corporation. (See Rollason, Charles H., assignor.)
Wheeling Steel Corporation. (See Scott, Henry D., assignor.)
Wheeling Steel Corporation. (See Wagner, Dwight H., assignor.)
Whelan, Dow O., Scotia, N. Y., assignor to General Electric Company. Sound reproducing apparatus. 1,804,295; May 5.
Whelan, Frank J., New York, N. Y., and T. F. Dwyer, jr., Cambridge, assignors to Superior Engineering Company, Boston, Mass. Soot blower. 1,829,174; Oct. 27.
Whelton, John M., Peabody, and A. F. Pym, Swampscott, Mass., assignors to United Shoe Machinery Corporation. Paterson, N. J. Machine for effecting relative movements between shoes and their lasts. 1,820,952; Sept. 1.
Wherry, Isaac M., Zearing, Iowa. Internal combustion engine. 1,803,783; May 5.
Whetzel, Joshua C. (See Harding, C. T., and Whetzel.)
Whetzel, Joshua C. (See Holden, J. H., and Whetzel.)
Whiffen, Edwin J., Mount Vernon, N. Y. Anchoring plug. 1,817,790; Aug. 4.
Whipp, John W., assignor of one-half to W. J. Lloyd, Eureka Springs, Ark. Wind motor. 1,804,241; May 5.
Whirldry Corporation. (See Dunham, George W., assignor.)
Whisler, Ralph H. (See Baits, S. G., and Whisler.)
Whitacre, Clarence J., Detroit, Mich., assignor, by mesne assignments, to S. F. Arbuckle Corp. Bellows and making the same. 1,806,009; May 19.
Whitacre, Donald D., Waynesburg, Ohio. Cutter. 1,811,412; June 23.
Whitacre, Donald D., Waynesburg, and J. C. Wood, Lakewood, Ohio. Wall construction. 1,811,411; June 23.
Whitacre Engineering Company, The. (See Wagner,, Karl E., assignor.
Whitacre, William H., Cleveland Heights, Ohio, assignor to Caterpillar Tractor Co., San Leandro, Calif. Suspension for tractors. 1,790,294; Jan. 27.
Whitaker, Alfred, West Drayton, and C. O. Browne, Ealing, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Optical slit. 1,838,971; Dec. 29.
Whitaker, Frank P., Rugby, England, assignor to General Electric Company. Mercury arc rectifier. 1,810,634; June 16.
Whitaker, Frank P., Rugby, England, assignor to General Electric Company. Mercury arc rectifier. 1,839,069; Dec. 29.
Whitaker, Frederic A., Metuchen, assignor to General Ceramics Company, Keasbey, N. J. Cock plug releasing means. 1,802,962; Apr. 28.
Whitaker, Herbert M., and M. D. Overstreet, Enfield, N. C. Fertilizer distributor. 1,819,935; Aug. 18.
Whitaker, James N., Yonkers, N. Y., assignor to Radio Corporation of America. Dot multiplex. 1,802,745; Apr. 28.
Whitaker, John, North Wales, assignor to Safe-Guard Check Writer Corporation, Lansdale, Pa. Check writer. 1,794,266; Feb. 24.
Whitaker, John E., West Monroe, La. Electrician belt clip tape reel. 1,818,514; Aug. 11.
Whitaker Manufacturing Company, The. (See Swanson, Charles A., assignor.)
Whitaker, Uncas A. (See Thomas, T. H., and Whitaker.)
Whitaker, Uncas A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train-pipe-coupling valve mechanism. 1,790,186; Jan. 27.
Whitaker, Uncas A., Canton, Ohio, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable-load brake. 1,793,573; Feb. 24.
Whitaker, Uncas A., Canton, Ohio, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Door-controlling valve device. 1,793,657; Feb. 24.
Whitaker, Uncas A., Canton, Ohio, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car equipment. 1,801,828; Apr. 21.
Whitaker, Uncas A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Coupler unlatching device. 1,806,567; May 19.
Whitaker, Uncas A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid controlled means for automatic train pipe couplings. 1,837,349; Dec. 22.
Whitaker, Uncas A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Valve device for automatic train pipe couplings. 1,837,386; Dec. 22.
Whitaker, Willard F., Fairfield, Iowa. Corn harvester construction. 1,822,328; Sept. 8.
Whitby, George S., Montreal, Quebec, Canada, assignor, by mesne assignments, to The Roessler & Haaslacher Chemical Company. Manufacture of monoxanthogens. 1,796,972; Mar. 17.
Whitby, George S., Montreal, Quebec, Canada, assignor, by mesne assignments, to The Roessler & Hasslacher Chemical Company, New York, N. Y. Accelerator for the vulcanization of rubber. 1,832,163; Nov. 17.
Whitby, Holly, Ponders End, England. Motor vehicle. 1,790,963; Feb. 3.
Whitcher, William C., assignor to The "Dry-Kold" Refrigerator Co., Niles, Mich. Refrigerated counter. 1,808,443; June 2.
Whitcomb, Emma E., et al., administratrices. (See Whitcomb, James A.)
Whitcomb, Harris M., assignor to Albany Hardware Specialty Manufacturing Company, Albany, Wis. Doorstop. 1,827,055; Oct. 13.
Whitcomb, Henry F., jr., Milwaukee, Wis., assignor to Richardson Ball Bearing Skate Company, Chicago, Ill. Skate clamp. 1,809,539; June 9.
Whitcomb, James A., deceased; E. E. Whitcomb and T. G. Whitcomb, Kenosha, Wis., administratrices. Motor vehicle front end suspension. 1,819,579; Aug. 18.
Whitcomb, James A., Kenosha, Wis., deceased; E. E. Whitcomb, and T. G. Whitcomb, Kenosha, Wis., administratices. Front wheel drive for motor vehicles. 1,819,580; Aug. 18.
Whitcomb, Thelma G., et al., administratrices. (See Whitcomb, James A.)
Whitcomb, Walter D., Portland, Oreg. Graphic chart. 1,790,127; Jan. 27.
Whitcomb, Walter D., Portland, Oreg. Curve or line chart. 1,793,767; Feb. 24.
White, Albert R., Cleveland, Ohio, assignor to Glascock Brothers Manufacturing Company, Muncie, Ind. Dispensing apparatus. 1,816,452; July 28.
White, Alfred H., Ann Arbor, Mich., assignor to J. E. Alexander, Port Edwards, and E. G. Goodell, Stevens Point, Wis., trustees. Regenerating liquors containing alkali salts and organic matter. 1,801,945; Apr. 21.
White, Alphonzo, assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass. Cutter guard. 1,807,561; May 26.
White, Arthur C., and C. E. Clason, assignors to The Dow Chemical Company, Midland, Mich. Ice-rotting composition. 1,787,887; Jan. 6.
White, Arthur C., and C. E. Clason, assignors to The Dow Chemical Company, Midland, Mich. Ice-rotting compound. 1,787,888; Jan. 6.
White, Arthur F., Fullerton, assignor, by mesne assignments, to Jordan & Taylor, Inc., Los Angeles, Calif. Apparatus for pumping wells. 1,794,427; Mar 3.
White, Arthur F., Fullerton, and F. W. Jordan, Los Angeles, Calif., assignors, by mesne assignments, to Jordan & Taylor, Inc., Los Angeles, Calif. Valve construction for gas lift pumps. 1,789,855; Jan. 20.
White, Benjamin B., assignor to Armstrong & White, Pittsburgh, Pa. Lamp socket. 1,792,621; Feb. 17.
White, Birdora H., Detroit, Mich. Fastener. 1,799,716; Apr. 7.
White, Birdora H., Chicago, Ill. Fastener. 1,836,636; Dec. 15.
White Brass Castings Company. (See Bruce, Robert L., assignor.)
White, Bruce C., deceased, by M. L. White, executrix, assignor to R. Hoe & Co., Inc., New York, N. Y. Roll changer. 1,807,813; June 2.
White Cap Company. (See White, William P., assignor.)
White Cap Company. (See White, W. P., and Ives, assignors.)
White, Charles, San Francisco, Calif. Gravity discharging platform. 1,818,289; Aug. 11.
White, Charles E., Penrose, Colo. Convertible ladder. 1,822,947; Sept. 15.
White, Charles E., Butler, Pa. Treating tricalcium phosphate. 1,823,015; Sept. 15.
White, Charles H., assignor to Deere & Company, Moline, Ill. Planter marker. 1,805,505; May 19.
White, Charles H., assignor to Deere & Company, Moline, Ill. Wire doffing mechanism for planters. 1,805,506; May 19.
White, Charles H., assignor to Deere & Company, Moline, Ill. Planter. 1,807,814; June 2.
White, Charles H., assignor to Deere & Company, Moline, Ill. Planter. 1,823,244; Sept. 15.

White, Charles S., Long Beach, Calif., assignor of fifteen per cent to J. E. Ogden, and fifteen per cent to W. J. Scheuss, Crompton, Calif. Amalgamator. 1,787,923; Jan. 6.
White, Clarence W., and V. A. Mitchell, assignors to H. C. White Company, North Bennington, Vt. Folding chair. 1,832,676; Nov. 17.
White, Clark, Ashland, Ky. Rolling mill. 1,813,129; July 7.
White, Clark, Ashland, Ky. Rolling mill control. 1,838,341; Dec. 29.
White, Clayton O., De Beque, Colo. Shale retort. 1,799,268; Apr. 7.
White Cloud Farms, Inc. (See Bacher, Will L., assignor.)
White, David E., La Grange, assignor to Roberts & Schaefer Company, Chicago, Ill. Material-storage plant. 1,796,549; Mar. 17.
White, D'Orsay McC., Chicago, Ill. Brake drum and wheel. 1,809,088; June 9.
White, D'Orsay McC., assignor to Automotive Syndicate, Ltd., Indianapolis, Ind. Condenser for steam-propelled vehicles. 1,794,660; Mar. 3.
White, Earl H., Perry, Iowa. Air compressor. 1,789,376; Jan. 20.
White, Eber B., assignor to The Studebaker Corporation, South Bend, Ind. Hood clamp. 1,793,267; Feb. 17.
White, Edwin L., Fort Shafter, Hawaii, assignor, by mesne assignments, to Federal Telegraph Company. Wave-meter circuit. 1,788,219; Jan. 6.
White, Ernest C. (See Feldkamp, Frederick A., assignor.)
White, Ernest C., New York, N. Y., assignor of one-half to R. F. Fisher, Philadelphia, Pa. Electric lamp socket. 1,820,261; Aug. 25.
White, Ezekiel F., Hartford, Conn. Liquid-fuel burner. 1,791,181; Feb. 3.
White, Ezekiel F., Hartford, Conn. Flexible driving means. 1,795,692; Mar. 10.
White, Ezekiel F., Hartford, Conn. Flexible driving means. 1,796,255; Mar. 10.
White, Frank. (See Jackson, H. D., and White.)
White, Frank, New York, N. Y. Internal combustion engine. 1,830,046; Nov. 3.
White, Frank B., La Jolla, assignor to Roburke, White Manufacturing Company, San Diego, Calif. Brake lever construction. 1,831,335; Nov. 10.
White, Frank E., et al. (See Sheller, John C., assignor.)
White, Frank G. (See Squire, Harry E., assignor.)
White, Frank R., assignor of one-half to H. C. Baker, Dallas, Tex. System of assembling and locking printing plates. 1,835,736; Dec. 8.
White, Franklin R. (See Carley, L. R., and White.)
White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Button. 1,800,765; Apr. 14.
White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Tack button. 1,800,768; Apr. 14.
White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Tack puller or pliers. 1,821,953; Sept. 8.
White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Button. 1,824,939; Sept. 29.
White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Button. 1,824,940; Sept. 29.
White, Franklin R., and J. J. Wooster, assignors to The Patent Button Company, Waterbury, Conn. Flexible button. 1,800,766; Apr. 14.
White, Franklin R., and J. J. Wooster, assignors to The Patent Button Company, Waterbury, Conn. Flexible button. 1,800,767; Apr. 14.
White, Fred E., and A. Ruttiman, assignors to Florence Stone Company, Gardner, Mass. Detachable tank for pressure burners. 1,814,068; July 14.
White, George A. (See Scofield, T. J., and White.)
White, George A. (See Scofield, T. J., White, and Hammond.)
White, George H., Washington, D. C. Condenser. 1,798,824; Mar. 31.
White, Gerald N., London, England, assignor of one-half to Scottish Dyes, Limited, Grangemouth, Scotland. Employment of cement and the like. 1,824,854; Sept. 29.
White, Gordon W., West Hartford, Conn. Flush valve. 1,828,517; Oct. 20.
White, H. C., Company. (See White, C. W., and Mitchell, assignors.)
White, H. N., Company, The. (See Reynolds, Harper A., assignor.)
White, Halbert E., Tampa, Fla. Building material and making same. 1,813,520; July 7.
White, Harold C., Lakewood, Ohio, assignor, by mesne assignments, to Delco Remy Corporation, Anderson, Ind. Combined tail lamp and stop light. 1,787,843; Jan. 6.
White, Harold E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Accelerating system. 1,790,187; Jan. 27.
White, Harold E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lockout switch. 1,801,829; Apr. 21.
White, Harold E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,807,815; June 2.
White, Harold E., Butler, assignor to Lava Crucible Company of Pittsburgh, Pittsburgh, Pa. Crucible furnace lining. 1,829,320; Oct. 27.
White, Harold E., Butler, J. Hess and O. E. Neuhausen, Zelienople, assignors to Lava Crucible Company, Pittsburgh, Pa. Method of and apparatus for forming graphite molds or other refractory articles. 1,823,180; Sept. 15.
White, Harold E., Wilkinsburg, and H. D. James, Edgewood, Pa., assignor to Westinghouse Electric and Manufacturing Company. Merchandising establishment. 1,819,491; Aug. 18.
White, Harry B. (See Smellie, D. G., White, and Nulsen.)
White, Harry B., Canton, Ohio, assignor to The Hoover Company. Suction cleaner agitator. 1,815,084; July 21.
White, Harry B., Canton, Ohio, assignor to The Hoover Company. Cleaner. 1,815,225; July 21.
White, Harry B., Canton, Ohio, assignor to The Hoover Company. Brush. 1,826,267; Oct. 6.
White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,831,551; Nov. 10.
White, Henry, Waynesburg, Pa. Pipe turning device. 1,802,993; Apr. 28.
White, Henry J., New York, N. Y. Positive engine primer. 1,791,049; Feb. 3.
White, Henry J., New York, N. Y. Apparatus for training student pilots of aircraft. 1,831,939; Nov. 17.
White, Herbert E. (See Kahn, J., and White.)
White, Herbert E., assignor to Truscon Steel Company, Cleveland, Ohio. Laying out sheet-metal structures. 1,788,179; Jan. 6.
White, Herbert E., assignor to Truscon Steel Company, Youngstown, Ohio. Metallic deck structure. 1,816,556; July 28.
White, Herbert E., and W. H. Fishel, assignors to Truscon Steel Company, Youngstown, Ohio. Lath structure. 1,820,896; Aug. 25.
White, Herbert E., and W. H. Fishel, assignors to Truscon Steel Company, Youngstown, Ohio. Lath structure. 1,820,897; Aug. 25.
White, Herbert J., assignor to Gleason Works, Rochester, N. Y. Reversing mechanism. 1,795,629; Mar. 10.
White, James A., assignor to Harrison Radiator Corporation, Lockport, N. Y. Radiator structure. 1,820,413; Aug. 25.
White, James A., assignor to Harrison Radiator Corporation, Lockport, N. Y. Radiator assembly. 1,820,414; Aug. 25.
White, James H., assignor to H. Germain, New York, N. Y. Taking and projecting motion pictures. 1,819,492; Aug. 18.
White, James M., Champaign, Ill. Reducing sound in subways. 1,820,874; Aug. 25.
White, John H., Duncan, Okla. Adding machine. 1,787,889; Jan. 6.
White, John H., Cranford, and V. E. Legg, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic material. 1,787,606; Jan. 6.
White, John C., Madison, Wis. Pressure reducing valve. 1,837,001; Dec. 15.
White, John W. (See Alexander, H. S., Pfeiffer, and White.)
White, John W. (See Pfeiffer, F. B., and White.)
White, John W., Buffalo, N. Y. Heater. 1,825,433; Sept. 29.
White, John W., Buffalo, N. Y., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wheel. 1,794,564; Mar. 3.
White, John W., Buffalo, N. Y., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wheel. 1,816,943; Aug. 4.
White, John W., Buffalo, N. Y., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wheel. 1,821,954; Sept. 8.
White, John W., Buffalo, N. Y., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wheel. 1,829,575; Oct. 27.
White, John W., assignor to Seiberling Rubber Company, Barberton, Ohio. Band building machine. 1,834,325; Dec. 1.
White, Jonathan N., assignor to United Metal Hose Co., Inc., New York, N. Y. Packingless coupling for flexible hose. 1,793,887; Feb. 24.
White, Jonathan N., assignor to United Metal Hose Co., Inc., New York, N. Y. Coupling for reenforced flexible hose. 1,801,403; Apr. 21.
White, Jonathan N., assignor to United Metal Hose Co. Inc., New York, N. Y. Spring expanding apparatus. 1,803,518; May 5.
White, Joseph A., Berkeley, Calif. Plaster base. 1,795,531; Mar. 10.
White, Joseph A., Melrose Park, assignor to The Moore & White Company, Philadelphia, Pa. Fourdrinier machine. 1,816,754; July 28.
White, Joseph A., Melrose Park, assignor to The Moore & White Company, Philadelphia, Pa. Save-all, paper making machine, etc. 1,820,854; Aug. 25.
White, Lazarus, New York, N. Y. Producing substructures for structures. 1,827,921; Oct. 20.
White, Lazarus, New York, N. Y. Hydraulic pile driving mechanism. 1,827,922; Oct. 20.
White, Leon L., Tampa, Fla. Sanitary napkin. 1,788,756; Jan. 13.
White, Lewis E., San Francisco, Calif. Display cabinet. Des. 83,884; Apr. 7.

White, Lillie G., assignor of one-half to F. W. Ziniti, Boston, Mass. Electric drier. 1,806,727; May 26.
White, Lloyd J. (See Hart, H. S., and White.)
White, Lloyd J., assignor to Southern Prison Company, San Antonio, Tex. Window for jails and the like. 1,828,827; Oct. 27.
White, Lloyd J., and George L. Youngblood, assignors to Southern Prison Company, San Antonio, Tex. Cell door locking and operating mechanism. 1,836,696; Dec. 15.
White, Lloyd J., and J. A. Pegues, assignors to Southern Prison Company, San Antonio, Tex. Lock and door operating mechanism. 1,836,697; Dec. 15.
White, Lloyd J., and D. F. Youngblood, assignors to Southern Prison Company, San Antonio, Tex. Lock and door operating mechanism. 1,836,698; Dec. 15.
White, Marie L., executrix. (See White, Bruce C.)
White, Mason A., assignor to Piggly Wiggly Corporation, Cincinnati, Ohio. Case. 1,800,769; Apr. 14.
White, Melbourne W., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and shank stiffener therefor. 1,811,912; June 30.
White Motor Company, The. (See Alborn, Frank G., assignor.)
White Motor Company, The. (See Alborn, F. G., and Savage, assignors.)
White Motor Company, The. (See Barker, Percy E., assignor.)
White Motor Company, The. (See Church, Harold D., assignor.)
White Motor Company, The. (See Churcher, William B., assignor.)
White Motor Company, The. (See Edgerton, Arthur H., assignor.)
White Motor Company, The. (See Howell, James W., assignor.)
White Motor Company, The. (See Jehle, F., Spiller, and King, assignors.)
White Motor Company, The. (See Smith, George W., jr., assignor.)
White Motor Company, The. (See Spiller, William R., assignor.)
White, Noah R., Delta, Colo. Leveling attachment for thrashing and other machines. 1,787,807; Jan. 6.
White, Oliver C., Gardena, Calif. Poultry feeding device. 1,805,859; May 19.
White, Raymond E. (See Mayr, K. A., and White.)
White, Raymond L., Indianapolis, Ind. Automatic suction bell and current-control device. 1,790,563; Jan. 27.
White, Rollin H., Cleveland Heights, Ohio. Tractor. 1,799,878; Apr. 7.
White, Rollin H., Cleveland Heights, Ohio. Extension support and driving means for tractors. 1,803,447; May 5.
White, Rollin H., Cleveland Heights, Ohio. Steering mechanism. 1,805,536; May 19.
White, Rollin H., Cleveland Heights, Ohio. Supporting and driving means for tractors. 1,810,635; June 16.
White, Rollin H., Cleveland Heights, Ohio. Tractor. 1,812,543; June 30.
White, Ryall L., San Antonio, Tex. Paving material and manufacturing the same. 1,818,876; Aug. 11.
White, S. S. Dental Manufacturing Company, The. (See Angell, Robert C., assignor.)
White, S. S. Dental Manufacturing Company, The. (See Swartz, T. A., and Uhler, assignors.)
White Sewing Machine Corporation. (See Stevens, Clarence E., assignor.)
White, Sidney Y., New York, N. Y., assignor to E. H. Loftin, as trustee. Electrical amplifier system. 1,789,664; Jan. 20.
White, Stanley D., and C. L. Knopf, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Gear lubricant. 1,789,614; Jan. 20.
White, Stanley D., and C. L. Knopf, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Gear lubricant. 1,831,614; Nov. 10.
White, Thomas F., Elmira, N. Y. Woodworking machine. 1,796,697; Mar. 17.
White, Thomas J. Fordyce, Ark. Testing attachment for drills. 1,813,789; July 7.
White, Thomas U., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,790,188; Jan. 27.
White, Thomas U., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,790,189; June 27.
White, Thomas U., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Supervisory and control system. 1,795,000; Mar. 3.
White, Thomas U., Sycamore, Ill., assignor to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,792,261; Feb. 10.
White, Thomas U., assignor to Leich Electric Company, Genoa, Ill. Power-dispatching system. 1,798,128; Mar. 24.
White, Thomas U., assignor to Leich Electric Co., Genoa, Ill. Remote supervisory control system. 1,810,546; June 16.
White, Thomas U., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Selective signaling system. 1,830,974; Nov. 10.
White, Walter C., Los Angeles, Calif., assignor to International Couplers Co., Pittsburgh, Pa. Flexible pipe joint. 1,785,811; Mar. 10.
White, Walter C., Los Angeles, Calif., assignor to International Couplers Co., Pittsburgh, Pa. Flexible pipe joint. 1,801,892; Apr. 21.
White, Walter C., Los Angeles, Calif., assignor to International Couplers Co., Pittsburgh, Pa. Flexible pipe joint. 1,802,690; Apr. 28.
White, Walter C., assignor to International Couplers Co., Pittsburgh, Pa. Flexible pipe joint. 1,795,155; Mar. 3.
White, Walter C., assignor to International Couplers Co., Pittsburgh, Pa. Flexible pipe joint. 1,803,820; May 5.
White, Walter C., Los Angeles, Calif., assignor to International Couplers Co., Pittsburgh, Pa. Flexible pipe joint. 1,827,500; Oct. 13.
White, Wilbur, Salamanca, N. Y. Dirigible headlight for automobiles. 1,833,100; Nov. 24.
White, Wilford J., Tampa, Fla. Electrically operated fuel control. 1,813,719; July 7.
White, William, Cleveland, assignor to The Euclid Crane & Hoist Company, Euclid, Ohio. Crane. 1,819,803; Aug. 18.
White, William A., Hebburn, England. Heat transferrer. 1,816,757; July 28.
White, William B., Des Moines, Iowa. Fly-paper-supporting device. 1,795,984; Mar. 10.
White, William B., assignor to Marshall & Bruce Co., Nashville, Tenn. Expelling air from between superposed sheets of material. 1,838,510; Dec. 29.
White, William C., assignor to Industrial Development & Manufacturing Corporation, Portland, Me. Electrically heated cooker. 1,814,103; July 14.
White, William D., Worcester, and C. J. Gleason, Leicester, assignors, by mesne assignments, to M. A. Coolidge, Fitchburg, Mass. Foot exerciser. 1,813,006; July 7.
White, William E., Chicago, Ill. Bar clip. 1,788,180; Jan. 6.
White, William E., Chicago, Ill. Bar clip. 1,812,913; July 7.
White, William E., assignor to Kalman Steel Company, Chicago, Ill. Dowel bar support. 1,807,364; May 26.
White, William E., assignor to Kalman Steel Company, Chicago, Ill. Lath clip and installing the same. 1,824,315; Sept. 22.
White, William E., assignor to Southern Wood Preserving Company, Atlanta, Ga. Highway guard fence. 1,824,454; Sept. 22.
White, William E., assignor to Kalman Steel Company, Chicago, Ill. Suspended ceiling. 1,838,123; Dec. 29.
White, William E., assignor to Kalman Steel Company, Chicago, Ill. Bar tie. 1,838,124; Dec. 29.
White, William E., and P. C. Monjar, assignors to Kalman Steel Company, Chicago, Ill. Fastening for metal decking. 1,826,913; Oct. 13.
White, William J., Mrs. (See Rainwater, Ora A., assignor.)
White, William M., Milwaukee, Wis. Thrust bearing. 1,792,719; Feb. 17.
White, William M., Milwaukee, Wis. Valve. 1,834,988; Dec. 8.
White, William P., assignor to White Cap Company, Chicago, Ill. Making closure caps. 1,807,187; May 26.
White, William P., assignor to White Cap Company, Chicago, Ill. Apparatus for assembling gaskets and the like. 1,830,076; Nov. 3.
White, William P., Chicago, and C. E. Ives, Wilmette, assignors to White Cap Company, Chicago, Ill. Package exhausting and sealing machine. 1,801,062; Apr. 14.
White, William S., Denver, Colo. Flush valve. 1,803,418; May 5.
Whiteford, Guy L., Salina, Kans. Device for holding fire hose nozzles. 1,829,621; Oct. 27.
Whitehead, Argus B., Pierceton, Ind. Gate structure. 1,792,951; Feb. 17.
Whitehead, Connie W., assignor, by mesne assignments, to New Era Electro Devices, Chattanooga, Tenn. Automatic cut-off switch. 1,820,203; Aug. 25.
Whitehead, Earl B., assignor to Atlantic Carton Corporation, Norwich, Conn. Display container. 1,825,619; Sept. 29.
Whitehead, George E., Rhiwbina, near Cardiff, Wales. Connection with coupling-up or isolating switch gear. 1,794,267; Feb. 24.
Whitehead, George W., Wilkes-Barre, Pa. Harness stop motion for looms. 1,802,855; Apr. 28.
Whitehead & Hoag Company, The. (See Weston, Ernest H., assignor.)
Whitehead, Holbrook, Baltimore, Md., assignor to J. L. Stifel & Sons, Inc., Wheeling, W. Va. Textile fabric. Des. 85,451; Oct. 27.
Whitehead, James, Otley, England. Antiballooning arrangement for cap and ring spinning, doubling, twisting, and like machines. 1,790,336; Jan. 27.
Whitehead & Kales Company. (See Hurst, Leonard E., assignor.)
Whitehead & Kales Company. (See Judd, Irving H., assignor.)
Whitehead, Oton L., assignor of two-thirds to P. M. Smith, Tohula, Miss. Pump attachment for automobiles. 1,820,855; Aug. 25.
Whitehead, Richard H., and W. E. Porter, assignors to The New Haven Clock Co., New Haven, Conn. Clock. 1,827,179; Oct. 13.
Whitehead, Richard H., and W. E. Porter, assignors to The New Haven Clock Co., New Haven, Conn. Electric motor. 1,830,727; Nov. 3.

Whitehead, Robert H., assignor of one-tenth to C. S. Merrill, Salt Lake City, Utah. Non-leaking fountain pen. 1,812,229; June 30.
Whitehead, Thomas C. (See Greenwald, Harold A., assignor.)
Whitehead, Thomas C., Detroit, Mich. Tray compartment for refrigerating cabinets. 1,812,070; June 30.
Whitehead, William. (See Dreyfus, C., and Whithead.)
Whitehead, William. (See Dreyfus, C., Whitehead, and Platt.)
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Extraction of dyestuffs. 1,791,990; Feb. 10.
Whitehorn, Arthur R., Chicago, Ill., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,805,747; May 19.
Whitehouse, Herbert G., Newark, N. J., assignor to The Riker Company. Shoe ornament. Des. 84,311; June 2.
Whitehouse, Herbert G., Newark, N. J., assignor to The Riker Company. Shoe buckle. Des. 85,271; Sept. 29.
Whitehouse, Irving P., assignor to H. C. Lord, Erie, Pa. Driving connection. 1,793,888; Feb. 24.
Whitehouse, John N., New York, N. Y., assignor to Sanite Corporation, Burlington, N. J. Shaping sheets of celluloid and the like. 1,821,413; Sept. 1.
Whitehouse, Milton H., Milwaukee, Wis. Spring cover. 1,808,332; June 2.
Whitehouse, Samuel A., Chicago, Ill. Badge or similar article. Des. 83,654; Mar. 10.
Whiteman, Charles E., Richmond Hill, N. Y., assignor by mesne assignments to Langford Sales Audit Machine Company, Boston, Mass. Sorting machine. 1,801,760; Apr. 21.
Whitemore, Nathaniel M., Cambridge, assignor to Haverhill Shoe Novelty Company, Haverhill, Mass. Fastening means. 1,808,195; June 2.
Whitescarver, Charles T., New York, N. Y., assignor to Universal Form Clamp Co., Chicago, Ill. Form construction for concrete floors. 1,811,249; June 23.
Whitesell, Frederick N., assignor to Fairbanks, Morse & Co., Chicago, Ill. Safety apparatus. 1,808,275; June 2.
Whitesell, John C., jr. (See Ragsdale, E. J. W., and Whitesell.)
Whiteside, Howard A., Irvington, N. Y. Surgical outfit. 1,836,350; Dec. 15.
Whitesides, Walter L., Long Beach, Calif. Cigarette dispenser. 1,804,580; May 12.
Whitfield, Clifford M., Sioux Falls, S. Dak. Dressing table attachment for bathtubs. 1,838,342; Dec. 29.
Whitfield-Johnson Motor Company. (See Whitfield, Joseph E., assignor.)
Whitfield, Joseph E., assignor to Whitfield-Johnson Motor Company, Pittsburgh, Pa. Hand wheel. 1,808,485; June 2.
Whithead, Connie W., assignor to New Era Electro Devices, Chattanooga, Tenn. Brake. 1,821,600; Sept. 1.
Whitin Machine Works. (See Barker, Dyson, assignor.)
Whitin Machine Works. (See Bolton, J. H., and Hyde, assignors.)
Whitin Machine Works. (See Hargreaves, Robert, assignor.)
Whitin Machine Works. (See Hartley, Ellis, assignor.)
Whitin Machine Works. (See Helland, Sigurd H., assignor.)
Whitin Machine Works. (See Hendrickson, Fred K., assignor.)
Whitin Machine Works, The. (See Jessen, John A., assignor.)
Whitin Machine Works. (See Jessen, John E., assignor.)
Whitin Machine Works. (See Kooistra, John A., assignor.)
Whitin Machine Works. (See Layfield, Clyde B., assignor.)
Whitin Machine Works. (See Marshall, James F., assignor.)
Whitin Machine Works. (See Martin, Fay H., assignor.)
Whitin Machine Works. (See Minshull, John A., assignor.)
Whitin Machine Works. (See Smith, Allen, assignor.)
Whitin Machine Works. (See Sweet, Bertram R., assignor.)
Whitin Machine Works. (See West, George, assignor.)
Whiting, Charles H. (See McGerry, J. J., and Whiting.)
Whiting Corporation. (See Christie, Hugh K., assignor.)
Whiting Corporation. (See Moore, Raymond H., assignor.)
Whiting Corporation. (See Townsend, John S., assignor.)
Whiting & Davis Company. (See Berkley, Richard H., assignor.)
Whiting & Davis Company. (See Rowan, Harry B., assignor.)
Whiting, Donald F., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Energizing electron tubes. 1,799,189; Apr. 7.
Whiting, Donald F., Port Washington, assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Vacuum tube circuits. 1,819,629; Aug. 18.
Whiting, Donald F., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current supply circuits. 1,832,886; Nov. 24.
Whiting, George F., Brooklyn, N. Y. Hand truck. 1,795,812; Mar. 10.
Whiting, Homer B., Hampton Beach, N. H. Signaling device. 1,800,331; Apr. 14.
Whiting, Jasper, Dublin, N. H., assignor to Container Patents Corporation, New York, N. Y. Container. 1,819,804; Aug. 18.
Whiting, Max A., and E. D. Harrington, Schenectady, N. Y., assignors to General Electric Company. System of motor control. 1,797,970; Mar. 24.
Whiting, William S., jr., Troy, N. Y. Automatic toaster. 1,797,628; Mar. 24.
Whitley, Maurice G. (See Carrier, R. M., jr., and Whitley.)
Whitley, William P., Clayton, assignor to Rawlings Manufacturing Company, St. Louis, Mo. Baseball glove. 1,826,851; Oct. 13.
Whitlock, John W., Rising Sun, Ind. Propeller. 1,816,414; July 28.
Whitlock, Luther C., Lake City, S. C. Dental appliance. 1,813,650; July 7.
Whitlock, Ralph C., Patents, Inc. (See Allen, Wilbur C., assignor.)
Whitlock, Ralph G., Patents, Inc. (See Ryan, Commodore D., assignor.)
Whitlow, Joe B., Johnson City, Tenn. Revolving sign. 1,825,564; Sept. 29.
Whitman, Channing, Buffalo, assignor to Flexlume Corporation, Tonawanda, N. Y. Protective shield for incandescent lamps. 1,809,878; June 16.
Whitman, Channing, Buffalo, assignor to Flexlume Corporation, Tonawanda, N. Y. Display device. 1,837,387; Dec. 22.
Whitman, Fred H., assignor to A. O. Smith Corporation, Milwaukee, Wis. Measuring device for precision grinders. 1,834,231; Dec. 1.
Whitman, Walter G., and C. C. Miller, assignors to Standard Oil Company, Whiting, Ind. Removal of gas and low-boiling fractions from petroleum products. 1,819,760; Aug. 18.
Whitmanis Manufacturing Company. (See Whitney, Karl H., assignor.)
Whitmill, James E., Haynesville, La. Valve seat grinder. 1,820,368; Aug. 25.
Whitmore, George E., sr., Williamson, W. Va. Automatic rail and wheel-flange oiler. 1,792,342; Feb. 10.
Whitmore, John, assignor to Davidson & Company Limited, Belfast, Ireland. Dust collector or separator. 1,824,455; Sept. 22.
Whitnall, George R. (See Bebinger, C. H., and Whitnall.)
Whitney, Baxter D., & Son, Inc. (See White, Alphonzo, assignor.)
Whitney, Baxter D., & Son, Inc. (See Young, Otis W., assignor.)
Whitney, Ernest M., Providence, R. I., assignor to Hookless Fastener Company. Separable connecting device for slide fasteners. 1,830,079; Nov. 3.
Whitney, Ernest M., Providence, R. I., assignor to Hookless Fastener Company, Meadville, Pa. Fastener. 1,837,511; Dec. 22.
Whitney, F. A., Carriage Company. (See Ambler, George B., assignor.)
Whitney, F. A., Carriage Company. (See La Chance, Edouard, assignor.)
Whitney, F. A., Carriage Company. (See Shaw, Harold F., assignor.)
Whitney, Gary M., Wilmington, Calif. Automatic precision balance. 1,823,306; Sept. 15.
Whitney, Karl H., assignor to Whitmanis Manufacturing Company, Inc., Kirksville, Mo. Closet bar. 1,793,035; Feb. 17.
Whitney, Karl H., assignor to Whitmanis Manufacturing Company, Inc., Kirksville, Mo. Shelf. 1,793,036; Feb. 17.
Whitney, Karl H., assignor to Whitman's Manufacturing Company, Inc., Kirksville, Mo. Ventilated window and porch shade. 1,827,718; Oct. 13.
Whitney Manufacturing Company, The. (See Dow, Richard F., assignor.)
Whitney Manufacturing Company, The. (See Müller, Friederich, assignor.)
Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. Re18,261; Nov. 24.
Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,795,460; Mar. 10.
Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,808,622; June 2.
Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,828,010; Oct. 20.
Whitney Metal Tool Co. (See Jensen, John, assignor.)
Whitney, Vincent J., San Francisco, Calif. Elevator brake. 1,834,440; Dec. 1.
Whitney, Wiley, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,795,813; Mar. 10.
Whitney, Willis B., and E. B. Wedmore, Westminster, London, assignors to The British Electrical and Allied Industries Research Association, London, England. Breaking electric circuits. 1,820,927; Sept. 1.
Whitney, Willis B., and E. B. Wedmore, assignors to The British Electrical and Allied Industries Research Association, London, England. Circuit breaker. 1,820,928; Sept. 1.
Whitney, Willis R., Niskayuna, N. Y., assignor to General Electric Company. Photo-electric system. 1,794,222; Feb. 24.
Whitney, Willis R., Schenectady, N. Y., assignor to General Electric Company. Soot disposal process and apparatus. 1,828,631; Oct. 20.

Whiton, Lucius E., New London, Conn. Chuck. 1,816,105; July 28.
Whiton, Lucius E., New London, Conn. Planetary gear mechanism. 1,835,194; Dec. 8.
Whitridge, John C., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Metallic door. 1,827,863; Oct. 20.
Whitridge, John C., and H. H. Wolfe, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck. 1,793,574; Feb. 24.
Whitridge, John C., and C. L. Orr, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Brake rigging for railway cars. 1,820,856; Aug. 25.
Whitsett, Cameron A. (See Mabee, A. C., and Whitsett.)
Whitsett, Cameron A., et al. (See Stearns, Harry C., assignor.)
Whitsitt, William B. (See Emerson, G. H., and Whitsitt.)
Whitsitt, William B., Baltimore, Md. Apparatus for cleaning railroad cars. 1,823,222; Sept. 15.
Whitson, David E., et al. (See Fortune, John A., assignor.)
Whitson, Delmar A., assignor to Whitson Photophone Corporation, Los Angeles, Calif. Sound reproducing system. 1,801,472; Apr. 21.
Whitson, Delmar A., assignor to Whitson Photophone Corporation, Los Angeles, Calif. Sound photography system. 1,822,183; Sept. 8.
Whitson Photophone Corporation. (See Whitson, Delmar A., assignor.)
Whitson, Ralph A. (See Melville, A., Dundas, and Whitson.)
Whitson, Ralph A., Glasgow, Scotland. Apparatus for molding hollow bodies by centrifugal force. 1,828,916; Oct. 27.
Whittaker, Charles C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ventilating means for electric railway locomotives. 1,813,218; July 7.
Whittaker, Charles C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,814,015; July 14.
Whittaker, Charles C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Water rheostat. 1,819,141; Aug. 18.
Whittaker, Charles C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective means for railway vehicle motors. 1,824,855; Sept. 29.
Whittaker, Charles C., Pittsburgh, and W. H. Smith, Philadelphia, Pa., assignors to Westinghouse Electric and Manufacturing Company. Protective system for locomotives. 1,794,937; Mar. 3.
Whittall, David S., Montreal, Quebec, Canada. Can lining machine. 1,836,418; Dec. 15.
Whittall, M. J., Associates. (See Hall, Walter, assignor.)
Whittam, Benjamin B., Elizabeth, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler and setting therefor. 1,797,386; Mar. 24.
Whittam, Benjamin B., Elizabeth, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Air heater. 1,804,191; May 5.
Whittam, Benjamin B., Elizabeth, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler. 1,804,907; May 12.
Whittam, Benjamin B., Elizabeth, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Header for water tube boilers. 1,821,683; Sept. 1.
Whittelsey, Theodore, Ringoes, N. J. Colloidal emulsion and process. 1,793,983; Feb. 24.
Whittemore, Donald L. (See Peters, Anthony W., assignor.)
Whittemore, Rex F., Pomona, Calif. Headlight. 1,811,988; June 30.
Whitten Machine Works. (See Smith, Allen, assignor.)
Whitthorne, J. R. (See Dabbs, Harry, assignor.)
Whittier, Sidney B., Chattahoochee, Ga. Protecting device. 1,814,273; July 14.
Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Friction switch mechanism. Re18,238; Oct. 27.
Whittingham, George H., Baltimore, Md. Friction switch mechanism. 1,806,377; May 19.
Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Supporting resistance elements. 1,791,456; Feb. 3.
Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Compensating thermal relay. 1,791,457; Feb. 3.
Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Slip-switch mechanism. 1,791,458; Feb. 3.
Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Friction switch for electric circuits. 1,802,691; Apr. 28.
Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Centrifugally controlled slip switch. 1,837,303; Dec. 22.
Whittington, Louis, E., and E. A. Tuthill, Silvis, Ill. Engine mounting for automotive vehicles. 1,829,251; Oct. 27.
Whittington, William L., assignor of one-half to N. C. Waldram, Jefferson City, Mo. Railway-switch mechanism. 1,795,585; Mar. 10.
Whittle, Horace, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for electromagnetic device. 1,809,879; June 16
Whittle, Horace, Maplewood, N. J., and A. J. Christopher, Yonkers, assignors to Bell Telephone Laboratories Incorporated, New York, N. Y. Amplifying system. 1,795,914; Mar. 10.
Whittle, Horace, Maplewood, N. J., and L. B. Hilton, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical transmission system. 1,798,243; Mar. 31.
Whittlesey, John E., Newton, Mass. Laminated insulating structure. 1,804,043; May 5.
Whitwell, John H., Philadelphia, Pa. Wallpaper. Des. 84,908; Aug. 18.
Whitworth, Sir W. G. Armstrong, Aircraft Limited. (See Wylie, H. N., and Crabbe, assignors.)
Whitworth, Stanley, South Bend, assignor to Bendix Brake Company, South Bend, Ind. Brake shoe. 1,812,028; June 30.
Whitworth, William C., Atlanta Ga. Sash pulley. 1,794,746; Mar. 3.
Whorton, Leonidas, assignor to Whorton Pharmacal Company, Gadsden, Ala. Making solutions of acetylsalicylic acid. 1,787,924; Jan. 6.
Whorton Pharmacal Company. (See Whorton, Leonidas, assignor.)
Whyte, John, Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Brake. 1,812,671; June 30.
Whyte, John, Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Brake. 1,812,836; June 30.
Whyte, John, Beloit, Wis., assignor to Warner Electric Brake Corporation, South Beloit, Ill. Brake. 1,822,554; Sept. 8.
Wiard, John B. (See Blood, L. E., and Wiard.)
Wiberg, Albert W., Providence, R. I. Bookrest. 1,797,889; Mar. 24.
Wiberg, John. (See Herstedt, J., and Wiberg.)
Wiberg, Oscar A., Finspong, Sweden. Regulating mechanism for steam or gas turbines. 1,794,747; Mar. 3.
Wiberg, Oscar A., Finspong, Sweden. Steam turbine. 1,835,361; Dec. 8.
Wiberg, Peter E., assignor to Art Wire and Stamping Company, Newark, N. J. Cravat supporting stand. 1,836,564; Dec. 15.
Wibert, Oscar A., Finspong, Sweden. Packing for use between rotary and stationary machine parts. 1,807,460; May 26.
Wichert, Alfred, Mannheim-Neuostheir, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Socket connection for electrical conductors. 1,804,908; May 12.
Wichmann, John C., Los Angeles, Calif. Radium emanation jar. 1,817,329; Aug. 4.
Wick, Herman L., Des Moines, Iowa. Agricultural implement. 1,836,144; Dec. 15.
Wick, Mildred. (See Kramer, Frank J., assignor.)
Wickemeyer, Ezra C. A. (See Feltman, E. A., and Wickemeyer.)
Wickenden, Leonard. (See Ehrhart, E. N., and Wickenden.)
Wickenden, Leonard, Flushing, and J. J. Naugle, Brooklyn, N. Y.; said L. Wickenden assignor to said J. J. Naugle. Treating saccharine fluids. 1,787,502; Jan. 6.
Wickenden, Thomas H. (See Merica, P. D., Vanick, and Wickenden.)
Wicker, Stanley S. (See Kahler, P. F., and Wicker.)
Wickerham, Philip S., Butler, Pa. Sewage disposal apparatus. 1,837,002; Dec. 15.
Wickersham, Elmer E., assignor to Caterpillar Tractor Co., San Leandro, Calif. Thrashing. 1,831,210; Nov. 10.
Wickersham, Harry P., Walnut Park, assignor to Baash-Ross Tool Company, Incorporated, Los Angeles, Calif. Crown block. 1,826,109; Oct. 6.
Wickersham, Harry P., Huntington Park, Calif. Jar. 1,833,144; Nov. 24.
Wickersham, Harry P., Huntington Park, assignor to Baash-Ross Tool Company, Incorporated, Los Angeles, Calif. Safety joint. 1,837,639; Dec. 22.
Wickersham, John D., and H. A. Huwer, Dayton, Ohio; said Huwer assignor to said Wickersham. Adjustable dog harness. 1,800,421; Apr. 14.
Wickersham, Newton W., assignor to Perkins Cementing, Inc., Los Angeles, Calif. Well cementing plug. 1,816,243; July 28.
Wickert, A. O. (See Obermark, Frank J., assignor.)
Wickes Bros. (See Floeter, Frederick S., assignor.)
Wickes, Powers A., Portland, Oreg., and G. Neils, Libby, Mont. Log-transporting vehicle. 1,797,064; Mar. 17.
Wickland, Anton I. (See Halstead, S. M., Wickland, and Tustin.)
Wickland, Harry, Philadelphia, Pa. Retainer for the balls of ball bearings. 1,814,993; July 14.
Wickline, David P., Lynchburg, Va. Theft preventer for tanks. 1,813,554; July 7.
Wickline, Robert L. (See Boyd, John R., assignor.)
Wickman, Carl E., et al. (See Will, Carl H., assignor.)
Wickman, Henry J., deceased, Howell, Mich.; L. M. Wickman, administratrix. Vehicle jack. 1,826,110; Oct. 6.
Wickman, Lauri A., Albany, and A. N. Munk, Oakland, Calif. Glove. 1,823,307; Sept. 15.

Wickman, Leora M., administratrix. (See Wickman, Henry J.)
Wickmire Spencer Steel Company. (See Werme, Melcher G., assignor.)
Wicks, John, Oak Park, assignor to Reserve Holding Company, Chicago, Ill. Zone metering system. 1,810,330; June 16.
Wicks, John, Oak Park, assignor to Reserve Holding Company, Chicago, Ill. Automatic telephone system. 1,813,007; July 7.
Wicks, John, Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Automatic telephone system. 1,837,003; Dec. 15.
Wickstrom, Emil. (See Gorsuch, H. F., and Wickstrom.)
Wickstrum, Cecil M., Omaha, Nebr. Tent-frame construction. 1,792,669; Feb. 17.
Wickstrum, Cecil M., Omaha, Nebr. Canopy. 1,792,670; Feb. 17.
Wickware, Walter H., Ottawa, Ontario, Canada, assignor to International Paper Company. Core cap. 1,812,421; June 30.
Wickwire Spencer Steel Company. (See Lucas, George M. C., assignor.)
Wickwire Spencer Steel Company. (See Werme, Melcher G., assignor.)
Wickwire Spencer Steel Company. (See Woodman, Francis N., assignor.)
Wico Electric Company. (See Louis, Terrence G., assignor.)
Widdell, Henry E., Kansas City, Mo., assignor to Gasoline Products Company Inc., Wilmington, Del. Bubble tower cap. 1,808,276; June 2.
Widdis, Albert L., Harrisville, Mich. Vessel-propelling means. 1,787,844; Jan. 6.
Widell, Carl G., Stockholm, Sweden. Evaporating receptacle for heat-radiators. 1,816,415; July 28.
Widell, Magnus E., Cincinnati, Ohio, assignor to American Can Company, New York, N. Y. Air pressure reducer valve. 1,838,343; Dec. 29.
Widerborg, Elmer. (See Collins, W. D., and Widerborg.)
Widerborg, Elmer. (See Peltier, F. D., and Widerborg.)
Wideröe, Rolf, and O. Mayr, Karlshorst, Germany, assignors to General Electric Company. Protective apparatus. 1,815,752; July 21.
Widescope Camera Company. (See McInnis, Walter J., assignor.)
Widlund, Georg W. (See Stromberg, N. G. A., and Widlund.)
Widemaier, William. (See Hall, Miles E., assignor.)
Widman, Charles H., assignor to The Murray Corporation of America, Detroit, Mich. Automobile. Des. 84,020; Apr. 21.
Widman, Charles H., assignor to Murray Corporation of America, Detroit, Mich. Vehicle body. Des. 85,219; Sept. 22.
Widman, George D., Los Angeles, Calif. Soap dispenser. 1,828,011; Oct. 20.
Widman, Joseph, Los Angeles, Calif. Corrugated-iron clip, band, and wire fastener. 1,792,952; Feb. 17.
Widman, Joseph, Los Angeles, Calif. Combination rubber mallet and metal hammer. 1,823,016; Sept. 15.
Widmann, Adolph, and L. M. Woolson, assignors to Packard Motor Car Company, and Union Guardian Trust Company, Detroit, Mich., as trustee. Internal-combustion engine. 1,791,991; Feb. 10.
Widmann, Eugene A. (See Smith, Winfield D., assignor.)
Widmark, Lawrence E. (See Holslag, C. J., and Widmark.)
Widmer, Gustave. (See Gams, A., and Widmer.)
Widmer, Harry A., assignor to Tuck-Tite Lock and Fastener Company Limited, London, England. Fastener for containers. Des. 83,655; Mar. 10.
Widmer, Harry A., assignor to Tuck-Tite Lock and Fastener Company Limited, London, England. Fastener for containers. Des. 85,070; Sept. 8.
Widmer, Harry A., assignor to The Tuck-Tite Lock & Fastener Company, Limited, London, England. Fastening. 1,818,442; Aug. 11.
Widmer, Jules A. (See Hausmann, L. M., and Widmer.)
Widness, Lawrence J., Brooklyn, N. Y. Trousers presser and stretcher. 1,826,971; Oct. 13.
Wieben, Anella, Ames, Iowa. Igniting composition. 1,831,760; Nov. 10.
Wiebusch, Clarence J., Lake City, Minn. Can-draining rack. 1,788,262; Jan. 6.
Wieczorek, Emanuel, assignor to R. Kandt, Leipzig, Germany. Hydraulic brake. 1,800,036; Apr. 7.
Wiedbrauck, Erich. (See Weber, J., Schrader, and Wiedbrauck.)
Wiedeke, Gustav, assignor to Gustav Wiedeke Company, Dayton, Ohio. Tube-cutting tool. 1,789,572; Jan. 20.
Wiedeke, Gustav, assignor to Gustav Wiedeke Company, Dayton, Ohio. Expander for tubes and the like. 1,798,442; Mar. 31.
Wiedeke, Gustav, assignor to Gustav Wiedeke Company, Dayton, Ohio. Tube expander and the like. 1,815,174; July 21.
Wiedeke, Gustav, Company. (See Wiedeke, Gustav, assignor.)
Wiedemann, Harold, Seattle, Wash. Display tablet. 1,803,743; May 5.
Wiedemann, John, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Dining car range. Des. 84,666; July 14.
Wiederseim, Theodore E., and M. W. Carrick, assignors to Ketterlinus Lithographic Mfg. Co., Philadelphia, Pa. Advertising novelty or favor. 1,790,360; Jan. 27.
Wiederwax, Robert W., et al. (See Dickinson, James C., assignor.)
Wiedmaier, Arthur A., Cleveland, assignor to The Wiedmaier Company, Cleveland Heights, Ohio. Transmission. 1,815,688; July 21.
Wiedmaier, Arthur A., assignor to The Wiedmaier Company, Cleveland Heights, Ohio. Transmission. 1,815,689; July 21.
Wiedmaier Company, The. (See Wiedmaier, Arthur A., assignor.)
Wiegand, August J., assignor to Grigsby-Grunow Company, Chicago, Ill. Horn for loud-speakers. 1,800,709; Apr. 14.
Wiegand, Bruno F. (See Pilling, C. J., and Wiegand.)
Wiegand, Edwin L., Dormont, Pa. Electrical heating element. 1,795,628; Mar. 10.
Wiegand, Edwin L., Pittsburgh, Pa. Producing electrical heating elements. 1,809,089; June 9.
Wiegand, Edwin L., Pittsburgh, Pa. Machine for forming electrical heating elements. 1,809,090; June 9.
Wiegand, Edwin L., Pittsburgh, Pa. Forming electrical heating elements. 1,821,822; Sept. 1.
Wiegand, Edwin L., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating apparatus. 1,806,512; May 19.
Wiegand, Edwin L., Company. (See Wiegand, Edwin L., assignor.)
Wiegand, Kurt, Berlin, Germany, assignor to General Electric Company. Electric-lighting tube. 1,799,339; Apr. 7.
Wiegand, Kurt, Berlin, Germany, assignor to General Electric Company. Electric-lighting tube. 1,799,340; Apr. 7.
Wiegand, Kurt, Berlin, Germany, assignor to General Electric Company. Beacon light. 1,799,341; Apr. 7.
Wiegand, Kurt, Berlin, Germany, assignor to General Electric Company. Tubular incandescent lamp. 1,800,037; Apr. 7.
Wiegand, William B., Sound Beach, Conn. Manufacture of carbon black. 1,807,884; June 2.
Wiegand, William B., Sound Beach, Conn. Manufacture of carbon black. 1,809,290; June 9.
Wiegand, William B., South Beach, Conn. Electrical insulation. 1,822,072; Sept. 8.
Wiegart, August J. W., St. Louis, Mo. Automobile brush. 1,817,050; Aug. 4.
Wieghardt, Paul, assignor to the Firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Apparatus for vulcanizing tires and other rubber articles. 1,798,826; Mar. 31.
Wiehl, Andrew M., San Francisco, assignor of one-half to Harry R. Baumann, Oakland, Calif. Interference eliminator for radioreceivers. 1,797,307; Mar. 24.
Wieland, A. Robert. (See Rottloff, Oswin, assignor.)
Wieland, Frank. (See Oishei, W. E., and Wieland.)
Wieman, Kammerer, Wright Co. (See Wright, J. C., and Bonney, assignors.)
Wiemann, William P., Pittsburgh, Pa. Internal combustion engine. 1,811,771; June 23.
Wiemer, Kurt, assignor to Firm J. M. Lehman Maschinenfabrik, Dresden, Germany. Roller mill. 1,831,696; Nov. 10.
Wiemers, John, Milwaukee, Wis. Nutcracker. 1,791,992; Feb. 10.
Wiener, Bernard, Bronx, N. Y. Sanitary medical bottle. 1,803,225; Apr. 28.
Wiener, Harry, Santa Monica, Calif. Key case. 1,833,507; Nov. 24.
Wiener, John A., Oswego, N. Y. Rotary pulp screen. 1,821,684; Sept. 1.
Wiener, John A., assignor to Oswego Board Corporation, Oswego, N. Y. Machine for producing wood pulp. 1,795,064; Mar. 3.
Wiener, John A., and J. B. Harmon, Oswego, N. Y. Preparing fibres. 1,831,940; Nov. 17.
Wiener, Martin L., New York, N. Y. Beverage dispensing counter. 1,839,070; Dec. 29.
Wienke, Emil J., assignor to Enterprise Optical Mfg. Co., Chicago, Ill. Motion-picture projector. 1,797,111; Mar. 17.
Wier, Stuart A., assignor to Tridex Corporation, Dallas, Tex. Nozzle. 1,809,999; June 16.
Wiese, Diedrich, assignor to the Firm Atlas-Werke Aktiengesellschaft, Bremen, Germany. Device for operating bulkhead doors. 1,832,337; Nov. 17.
Wiese, Franz, Berlin-Wilmersdorf, Germany, assignor to the Firm: Gillette Safety Razor Ges. m. b. H., Vienna, Austria. Safety razor. 1,812,422; June 30.
Wiese, William, Cleveland, Ohio. Dirigible-landing device. 1,791,394; Feb. 3.
Wiese, William, Cleveland, Ohio. Twister mechanism. 1,830,728; Nov. 3.
Wiesenthal, Walter E., Fairport, Kans. Automatic dump. 1,802,856; Apr. 28.
Wiesman, Jerome, Denver, Colo. Purifying system for dry cleaning solutions. 1,820,334; Aug. 25.
Wiesner, Rose, Jamaica, N. Y. Slipper. Des. 85,722; Dec. 8.
Wiesner, Rose, Jamaica, N. Y. Toy slipper. 1,823,634; Sept. 15.
Wietzel, Gustav. (See Mittasch, A., Frankenburger, and Wietzel.)

Wietzel, Gustav. (See Müller, C., Wietzel, and Galle.)
Wietzel, Gustav. (See Pier, M., and Wietzel.)
Wietzel, Gustav. (See Wild, W., and Wietzel.)
Wietzel, Rudolf. (See Pier, M. Wietzel, and Engel.)
Wietzel, Rudolf, Ludwigshafen-on-the-Rhine, and K. Fischer, Leuna, Germany, assignors, by mesne assignments, to Standard I. G. Company, Linden, N. J. Production of hydrocarbons. 1,801,382; Apr. 21.
Wietzel, Rudolf, and W. Speer, Ludwigshafen-on-the-Rhine, and H. Kaehler, Oppau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of hydrocarbons of high-boiling-point range. 1,798,288; Mar. 31.
Wiezevich, Peter J., Scranton, Pa., and R. E. Tannich, Weimar, Tex., assignors to Standard Oil Development Company. Producing salts of aliphatic acids from low boiling hydrocarbons. 1,838,032; Dec. 22.
Wigand, Edward H., St. Paul, Minn. Pliers and the like. 1,820,169; Aug. 25.
Wigelsworth, Arthur E., assignor to Pathometric Laboratories, Inc., Chicago, Ill. Humidifying system. 1,815,385; July 21.
Wigg, Elmer E., et al. (See Callahan, Michael J.)
Wiggin, Polly, Inc. (See Davis, Sewell W., assignor.)
Wiggins, Albert M., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical winding. 1,834,114; Dec. 1.
Wiggins, Dudley H., Indianapolis, Ind. Smoking tobacco. 1,808,707; June 2.
Wiggins, Earl B. (See Yackey, George F., assignor.)
Wiggin's H. B., Sons Company. (See Artim, John, assignor.)
Wiggin's, H. B., Sons Company. (See Hesse, Curt O., assignor.)
Wiggin's, H. B., Sons Company. (See Remmes, Mathias M., assignor.)
Wiggins, John H., Tulsa, Okla. Storage tank for volatile gases and liquids. 1,801,296; Apr. 21.
Wiggins, John H., Bartlesville, Okla. Liquid storage tank. 1,801,580; Apr. 21.
Wiggins, John H., Tulsa, Okla. Floating deck for liquid storage tanks. 1,801,582; Apr. 21.
Wiggins, John H., Bartlesville, Okla. Apparatus for storing liquid. 1,810,741; June 16.
Wiggins, John H., Tulsa, Okla. Flame arrester. 1,826,487; Oct. 6.
Wiggins, John H., and C. A. Turner, Tulsa, Okla.; said Turner assignor to said Wiggins. Liquid sealed closure for gauge holes. 1,801,581; Apr. 21.
Wigginton Company, The. (See Corell, Leon O., assignor.)
Wigglesworth, Harry H., Mount Airy, Philadelphia, Pa. Cloth conditioning machine. 1,808,701; June 2.
Wiggs, David H. (See Steventon, S. E., and Wiggs.)
Wight, Edward H. (See Ober, B., Beverly, and Wight.)
Wight, Edward H. (See Ober, B., and Wight.)
Wight, Edward H. (See Ober, B., Wight, and Waggaman.)
Wight, Edward H., assignor, by mesne assignments, to The Oberphos Company, Baltimore, Md. Manufacturing acid phosphate. 1,837,304; Dec. 22.
Wight, Edward H., W. H. Waggaman, and B. Ober, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Manufacturing phosphatic fertilizer. 1,837,305; Dec. 22.
Wight, Edward H., and B. Ober, assignors, by mesne assignments, to The Oberphos Company, Baltimore, Md. Manufacturing acid phosphate. 1,837,307; Dec. 22.
Wight, Joe E., East San Diego, Calif., assignor to Koehring Company, Milwaukee, Wis. Subgrade finishing machine. 1,833,546; Nov. 24.
Wight, John. (See Hand, Le T., and Wight.)
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Railway-traffic-controlling system. 1,792,455; Feb. 10.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Train-dispatching system for railroads. 1,794,565; Mar. 3.
Wight, Sedgwick, N., assignor to General Railway Signal Company, Rochester, N. Y. Train-dispatching system for railroads. 1,794,566; Mar. 3.
Wight, Sedgwick, N., assignor to General Railway Signal Company, Rochester, N. Y. Train-dispatching system for railroads. 1,794,567; Mar. 3.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Traffic-controlling device. 1,794,568; Mar. 3.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Train-dispatching system for railroads. 1,794,569; Mar. 3.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,794,570; Mar. 3.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 1,824,181; Sept. 22.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 1,824,182; Sept. 22.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 1,824,183; Sept. 22.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 1,824,184; Sept. 22.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Railway traffic controlling system. 1,824,185; Sept. 22.
Wightman, Merle J., Seattle, Wash., assignor to Domestic Stoker Company, New York, N. Y. Mechanical stoker. Re17,925; Jan. 13.
Wightman, Rolan J. and W. Astle, assignors to Cherry-Burrell Corporation, Little Falls, N. Y. Heat exchange apparatus. 1,822,915; Sept. 15.
Wightman, Rolan J., and C. N. Nellis, jr., Little Falls, N. Y., assignors to Cherry-Burrell Corporation, Wilmington, Del. Liquid heating apparatus. 1,837,306; Dec. 22.
Wigle, Joy V., assignor to American Automobile Appliance Company, Chattanooga, Tenn. Brake mechanism. 1,814,535; July 14.
Wigle, Joy V., and J. E. Reece, Chattanooga, Tenn. Coin-selecting device. 1,798,289; Mar. 31.
Wigle, Wilson B., Compton, Calif. Stuffing box. 1,804,581; May 12.
Wigle, Wilson B., Compton, Calif. Control head for oil and gas wells. 1,836,419; Dec. 15.
Wigle, Wilson B., Compton, Calif. Control head for oil and gas wells. 1,836,565; Dec. 15.
Wignall, William J., assignor to Railway Hydraulic Systems, Chicago, Ill. Fluid commodity dispensing apparatus. 1,831,898; Nov. 17.
Wigren, Clarence F., Teaneck, N. J., assignor to The Superheater Company, New York, N. Y. Boiler and superheater. 1,829,885; Nov. 3.
Wiingaard, Aage G. P., Copenhagen, Denmark. Savings box clock. 1,806,324; May 19.
Wikander, Oscar R. (See Bell, F. B., and Wikander.)
Wikander, Oscar R., Pittsburgh, Pa. Spring device. 1,792,343; Feb. 10.
Wikander, Oscar R., Pittsburgh, Pa. Ring spring. 1,832,439; Nov. 17.
Wikander, Oscar R., assignor to Edgewater Steel Company, Pittsburgh, Pa. Cushioning-spring construction. 1,792,344; Feb. 10.
Wike, Reginald E., Detroit, Mich. Aeroplane. 1,836,351; Dec. 15.
Wiken, Olof, assignor of one-half to F. C. Bagk, Milwaukee, Wis. Bag filler. 1,809,091; June 9.
Wikle, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Plying machine. 1,795,915; Mar. 10.
Wikle, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire building machine. 1,813,264; July 7.
Wikle, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire building machine. 1,837,350; Dec. 22.
Wikle, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire building machine. 1,837,351; Dec. 22.
Wikstrom, Frank G., Brooklyn, assignor to Hadwik Mfg. Co., Inc., New York, N. Y. Closure. 1,792,622; Feb. 17.
Wikstrom, Frank G., Brooklyn, assignor to Hadwik Mfg. Co., Inc., New York, N. Y. Closure. 1,819,493; Aug. 18.
Wilband, George S. and J. T., Vancouver, British Columbia, Canada. Self-unloading log barge. 1,788,138; Jan. 6.
Wilband, John T. (See Wilband, George S. and J. T.)
Wilber, Herbert I., New York, N. Y. Mechanical movement. 1,799,663; Apr. 7.
Wilberg, Albin. (See Nisbett, A., and Wilberg.)
Wilbert Products Co., The. (See Dolan, William A., assignor.)
Wilberz, Johannes, Hilden, Germany. Method of and apparatus for trimming grinding wheels. 1,822,073; Sept. 8.
Wilbor, Oscar J. (See Guthrie, R. G., and Wozasek.)
Wilbur, Lawrence S., Evanston, Ill. Splice bar or fishplate. 1,787,560; Jan. 6.
Wilbur, Lawrence S., Evanston, Ill. Shock absorber. 1,826,972; Oct. 13.
Wilbur, Lawrence S., Evanston, Ill., assignor to National Rail Joint Corporation. Splice bar or fish plate. 1,809,092; June 9.
Wilbur, Lawrence S., Evanston, Ill., assignor to National Rail Joint Corporation. Splice bar or fish plate. 1,811,342; June 23.
Wilbur, Lawrence S., Evanston, Ill., assignor to Johns-Manville Corporation. Bituminous concrete flooring. 1,824,418; Sept. 22.
Wilbur, Lawrence S., Evanston, assignor to National Rail Joint Corporation, Chicago, Ill. Mobile reforming plant. 1,828,382; Oct. 20.
Wilbur Products Company. (See Oberst, Frank, assignor.)
Wilburton Ware, Inc. (See Perry, Eugene L., assignor.)
Wilck, Ulrich, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Forceps or scissor-like surgical instruments. 1,795,532; Mar. 10.
Wilcke, Fritz, Berlin-Adlershof, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Production of sebacic acid dinitrile. 1,828,267; Oct. 20.
Wilckens, Ernst, Berlin, Germany. Taking soundings at remote points. 1,817,864; Aug. 4.
Wilckens, Ernst, Berlin, Germany. Sound transmitting apparatus. 1,821,823; Sept. 1.
Wilcolator Company, The. (See Fonseca, Edward L., assignor.)
Wilcox, Albert C., Bridgeport, Ohio. Forming glass articles. 1,787,460; Jan. 6.

Wilcox, Charles E., Long Beach, Calif. Elevator. 1,806,776; May 26.
Wilcox, Charles E., Long Beach, Calif. Elevator. 1,816,030; July 28.
Wilcox, George R., Greenfield, assignor to Millers Falls Company, Millers Falls, Mass. Automatic screw driver. 1,821,194; Sept. 1.
Wilcox, George R., and W. T. Morley, Milford, Utah. Elevator plate for locomotive driving plates. 1,797,065; Mar. 17.
Wilcox & Gibbs Sewing Machine Co. (See Merritt, Arthur A., assigner.)
Wilcox, Howard, New York, N. Y., assignor to The Chain Products Company, Cleveland, Ohio. Forming tire chains. 1,793,149; Feb. 17.
Wilcox, Lewis T., Peekskill, N. Y. Oil burner. 1,834,326; Dec. 1.
Wilcox, Lewis T., Peekskill, N. Y., assignor to Wilcox Patents Corporation. Oil burner. 1,829,027; Oct. 27.
Wilcox Patents Corporation. (See Wilcox, Lewis T., assignor.)
Wilcox Products Corporation. (See Osterholm, William C., assignor.)
Wilcox-Rich Corporation. (See Charlton, George, assignor.)
Wilcox-Rich Corporation. (See Daisley, Robert H., assignor.)
Wilcox-Rich Corporation. (See Hoern, Joseph H., assignor.)
Wilcox-Rich Corporation. (See Jardine, Robert, assignor.)
Wilcox-Rich Corporation. (See Schneider, George, assignor.)
Wilcox, Richard L., assignor to The Waterbury Farrell Foundry and Machine Company, Waterbury, Conn. Compensating mechanism. 1,798,919; Mar. 31.
Wilcox, Richard L., assignor to The Waterbury Farrell Foundry and Machine Company, Waterbury, Conn. Threading machine. 1,798,920; Mar. 31.
Wilcox, Richard L., Waterbury, assignor to The Waterbury Farrel Foundry and Machine Company, New Haven, Conn. Clearance mechanism. 1,799,342; Apr. 7.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Clearance mechanism for improperly aligned articles. 1,805,123; May 12.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Upsetting mechanism. 1,805,124; May 12.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Trimmer. 1,832,164; Nov. 17.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Feed mechanism. 1,832,165; Nov. 17.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Trimming blanks. 1,832,166; Nov. 17.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Method for making nuts, bolt, rivet, and screw blanks, and other articles. 1,832,167; Nov. 17.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Mechanism for making nuts and other articles. 1,832,168; Nov. 17.
Wilcox, Robert A., assignor to Grier Press, Incorporated, Chicago, Ill. Advertising stand. 1,820,685; Aug. 25.
Wilcox, Vincey A., Los Gatos, assignor of one-half to C. C. Parks, San Jose, Calif. Saw. 1,805,936; May 19.
Wilcox, W. C. (See Bayles, John P., assignor.)
Wilcoxen, William C., Ford, Kans. Material-handling apparatus. 1,792,953; Feb. 17.
Wilczynski, John, Buffalo, N. Y. Reversible nonglaring rear-vision mirror for automobiles. 1,825,687; Oct. 6.
Wild, Charles H., assignor to Burt Machine Company, Incorporated, Baltimore, Md. Motor drive for case-filling machines. 1,787,739; Jan. 6.
Wild, Henry W., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lipstick holder. 1,835,580; Dec. 8.
Wild, Rudolf L. R., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Friction material. 1,803,448; May 5.
Wild, Samuel, and E. Hugentobler, assignors to Synthetic A. G., Basel, Switzerland. Winding apparatus for thread or the like. 1,809,660; June 9.
Wild, Wilhelm. (See Gaus, W., and Wild.)
Wild, Wilhelm, and Gustav Wietzel, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of steam in the manufacture of phosphorus acids from phosphorus and steam. 1,823,923; Sept. 22.
Wilde, George F., and B. K. Eskesen, Matawan, N. J. Tile-glazing machine. 1,792,788; Feb. 17.
Wilde, Kurt, Berlin-Wilmersdorf, assignor to Deutsche Telephonwerke und Kabelindustrie Aktiengesellschaft, Berlin, Germany. Remote control indicator system. 1,822,683; Sept. 8.
Wilde, Oskar., Vienna, Austria, assignor to Westinghouse Electric & Manufacturing Company. Oil bearing lubrication. 1,816,507; July 28.
Wilde, Samuel A., assignor to Glenwood Range Company, Taunton, Mass. Shutter. 1,797,308; Mar. 24.
Wilde, Samuel A., assignor to Glenwood Range Company, Taunton, Mass. Drop door. 1,799,609; Apr. 7.
Wilde, Samuel A., assignor to Glenwood Range Company, Taunton, Mass. Stove door. 1,799,610; Apr. 7.
Wilde, Samuel A., assignor to Glenwood Range Company, Taunton, Mass. Safety lock for gas valves. 1,806,775; May 26.
Wilde, Samuel A., assignor to Glenwood Range Company, Taunton, Mass. Stove. 1,835,195; Dec. 8.
Wilde, Samuel A., assignor to Glenwood Range Company, Taunton, Mass. Broiler. 1,838,800; Dec. 29.
Wildeboer, Marinus, Eindhoven, Netherlands, assignor to General Electric Company. Base centering device. 1,832,677; Nov. 17.
Wilder, Edward B., and W., St. Louis, and Brydon B. Baker, University City, assignors to Wilder Manufacturing Company, St. Louis, Mo. Toy airplane. 1,832,169; Nov. 17.
Wilder, Francis E. P., et al. (See Moran, J. L., and Lee, assignors.)
Wilder, Frank D., Westport, Conn. Street indicator. 1,832,600; Nov. 17.
Wilder, Jamie E., Raleigh, N. C. Green pea sheller. 1,831,772; Nov. 10.
Wilder, Herbert P. (See Frank, O. E., and Wilder.)
Wilder, Leland R., Malden, Mass. Grommet setting device. 1,838,973; Dec. 29.
Wilder Manufacturing Company. (See Wilder, E. B. and W. and Baker, assignors.)
Wilder, Wentworth, et al. (See Wilder, E. B. and W., and Baker.)
Wilderman, Meyer, London, England, assignor, by mesne assignments, to The American Wilderman Porous Ebonite Company, Inc., Philadelphia, Pa. Manufacture of porous ebonite bodies. 1,791,437; Feb. 3.
Wilderman, Meyer, Hampstead, London, England, assignor, by mesne assignments, to The American Wilderman Porous Ebonite Company, Inc., Philadelphia, Pa. Making porous filters, diaphragms, and the like. 1,815,959; July 28.
Wilderman, Meyer, Hampstead, London, England, assignor to The American Wilderman Porous Ebonite Company, Inc., Philadelphia, Pa. Filter press. 1,833,101; Nov. 24.
Wildermuth, William, Lancaster, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Operating a sheet-glass-supporting means. 1,799,203; Apr. 7.
Wildern, George R., Detroit, Mich. Valve. 1,792,880; Feb. 17.
Wilderson, Clinton G., Leetonia, Ohio. Cut-off gauge for saws. 1,789,125; Jan. 13.
Wilderson, Clinton G., Leetonia, Ohio. Router attachment for wood-working machines. 1,802,800; Apr. 28.
Wilderson, Clinton G., Leetonia, Ohio. Dust collector and guard for saws. 1,830,151; Nov. 3.
Wildhaber, Ernest, Brooklyn, N. Y. Automatic transmission. 1,787,768; Jan. 6.
Wildhaber, Ernest, Brooklyn, N. Y. Planetary transmission. 1,795,916; Mar. 10.
Wildhaber, Ernest, Brooklyn, N. Y. Forming gears. 1,797,460; Mar. 24.
Wildhaber, Ernest, Brooklyn, N. Y. Forming gears. 1,797,461; Mar. 24.
Wildhaber, Ernest, Rochester, N. Y. Emitting radio signals. 1,799,576; Apr. 7.
Wildhaber, Ernest, Brooklyn, N. Y. Gripping device. 1,813,372; July 7.
Wildhaber, Ernest, Brooklyn, N. Y. Gearing. 1,816,272; July 28.
Wildhaber, Ernest, Brooklyn, N. Y. Gearing. 1,816,273; July 28.
Wildhaber, Ernest, Brooklyn, N. Y. Gear cutting tool. 1,820,415; Aug. 25.
Wildhaber, Ernest, Brooklyn, N. Y. Cutter heat for rotary gear cutting tools. 1,820,416; Aug. 25.
Wildhaber, Ernest, Brooklyn, assignor to Gleason Works, Rochester, N. Y. Method of and device for improving gears. 1,822,846; Sept. 8.
Wildhaber, Ernest, Brooklyn, assignor to Gleason Works, Rochester, N. Y. Hypoid gear. 1,826,852; Oct. 13.
Wildhaber, Ernest, Brooklyn, and J. Gstyr, Rochester, N. Y. Pencil sharpener. 1,790,255; Jan. 27.
Wildin, George W., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Hose coupling. 1,790,190; Jan. 27.
Wilding, Benjamin H. (See Brennan, H., and Wilding.)
Wildish, Henry W., Gosport, England. Furnace lining. 1,813,790; July 7.
Wildman, Alexander J., and H. H. Latimer, assignors to The Beckett Paper Company, Hamilton, Ohio. Manufacture of paper. 1,827,923; Oct. 20.
Wildman, Henry W., Prophetstown, Ill. Lawn-mower attachment. 1,796,550; Mar. 17.
Wildman Mfg. Co. (See Howie, Kenneth, assignor.)
Wildman Mfg. Co. (See Longtin, William J., assignor.)
Wildt and Company Limited. (See Coley, James, assignor.)
Wildt & Company Limited. (See Wildt, E., and Holmes, assignors.)
Wildt, Edwin, and H. H., Holmes, assignors to Wildt & Company Limited, Leicester, England. Knitting machine. 1,811,700; June 23.
Wileman, Bertram T., Detroit, Mich., assignor to Carl A. Boehm, Dover, N. J. Guide wire take-up device. 1,807,769; June 2.

Wiles, Charles L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Ring forming machine with knock-out. 1,819,630; Aug. 18.
Wiles Electric Furnace Corporation. (See Wiles, Sydney T., assignor.)
Wiles, Sydney T., assignor to Wiles Electric Furnace Corporation, Buffalo, N. Y. Electrothermic reduction of iron ores. 1,837,696; Dec. 22.
Wiley, Esmond F. (See Donovan, J. J., and Wiley.)
Wiley, James A., Cedar Falls, Iowa. Self-scoring device for tests. 1,797,744; Mar. 24.
Wiley, James A., Cedar Falls, Iowa. Selective score indicator for tests. 1,837,742; Dec. 22.
Wiley, Lee M., assignor to Delta Electric Company, Marion, Ind. Switch. 1,801,297; Apr. 21.
Wiley, Lee M., assignor to Delta Electric Company, Marion, Ind. Electric switch. 1,806,777; May 26.
Wiley, Roy R., Buffalo, assignor to Flexlume Corporation, Tonawanda, N. Y. Electric sign. 1,829,321; Oct. 27.
Wiley, William R., Detroit, Mich. Catch for motor vehicle hoods. 1,815,690; July 21.
Wiley, William R., assignor to Detroit Plating Industries, Detroit, Mich. Forming cap nuts. 1,829,972; Nov. 3.
Wilford, Edward B., Merion, Pa. Aircraft. 1,832,338; Nov. 17.
Wilford, James W. (See Schuddig, Carl W., assignor.)
Wilfred, Thomas, Forest Hills, N. Y. Light projection display apparatus. 1,825,497; Sept. 29.
Wil-Fry Corporation. (See Fry, Walter L., assignor.)
Wilgus, James S., and I. E. Stutzman, Norfolk, Va. Floor surfacing machine. 1,824,456; Sept. 22.
Wilharm, William C. (See Ford, J. G., and Wilharm.)
Wilharm, William C. (See Maude, A. H., Rodman, Styer, and Wilharm.)
Wilhelm, Albert D., Buffalo, N. Y. Shoe rack. Des. 85,502; Nov. 3.
Wilhelm, Clarence P., Punta Gorda, Fla. Building material. 1,831,984; Nov. 17.
Wilhelm, Elaib T., Boulevard Heights, Md., assignor to Wilhelm's Trouble-Proof Awnings, Inc., Washington, D. C. Awning. 1,794,999; Mar. 3.
Wilhelm, Elmer, and G. P. Lucas, jr., Palmyra, Nebr. Tractor saw. 1,832,599; Nov. 17.
Wilhelm, Harold F., New York, N. Y. Connecter. 1,833,145; Nov. 24.
Wilhelm, John, assignor of one-third to M. Albert and one-third to H. Blank, Philadelphia, Pa. Water heater. 1,832,440; Nov. 17.
Wilhelm, John H., Rockaway Beach, assignor to Markon Manufacturing Co., Inc., New York, N. Y. Doll head. 1,800,711; Apr. 14.
Wilhelm, John H., Long Island, assignor, by mesne assignments, to Margon Manufacturing Corporation, New York, N. Y. Doll. 1,824,316; Sept. 22.
Wilhelm, John H., Long Island, assignor, by mesne assignments, to Margon Corporation, New York, N. Y. Doll. 1,824,317; Sept. 22.
Wilhelm, Karl L., assignor to Standard Brands Incorporated, New York, N. Y. Bag or analogous article. Des. 85,408; Oct. 20.
Wilhelm, Karl L., assignor to Standard Brands Incorporated, New York, N. Y. Bag or analogous article. Des. 85,409; Oct. 20.
Wilhelm, Rudolf, Essen-Altenssen, assignor to A. Beckers, Koln-Kalk, Germany. Coke oven. 1,795,324; Mar. 10.
Wilhelm, Russell H. (See Prellwitz, W., and Wilhelm.)
Wilhelm's Trouble-Proof Awnings, Inc. (See Wilhelm, Elaib T., assignor.)
Wilhjelm, Christian. (See Johanson, Gustav H., assignor.)
Wilhjelm, Christian, trustee. (See Wilhjelm, Christian, assignor.)
Wilhjelm, Christian, assignor, by mesne assignments, to Christian Wilhjelm, Philadelphia, Pa., as trustee. Temperature-control apparatus. 1,788,787; Jan. 13.
Wilhjelm, Christian, assignor, by mesne assignments, to C. Wilhjelm, Philadelphia, Pa., as trustee. Oil valve. 1,810,331; June 16.
Wilhjelm Christian, assignor, by mesne assignments, to C. Wilhjelm, as trustee, Philadelphia, Pa. Temperature control apparatus. 1,829,772; Nov. 3.
Wilkata Folding Box Co., The. (See Leavens, William B., jr., assignor.)
Wilke, Karl, Hochst-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the benzanthronepyrazoleanthrone series and preparing them. 1,790,780; Feb. 3.
Wilke, Karl, Hoechst-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Preparing ortho-aminoaldehydes of the anthraquinone series. 1,830,152; Nov. 3
Wilke, Karl, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Ortho-aminoaldehydes and ortho-aminoketones of the anthraquinone series and preparing them. 1,830,153; Nov. 3.
Wilke, Karl, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Beta-anthraquinone-carboxylic acids and the esters thereof and preparing them. 1,833,272; Nov. 24.
Wilke, Robert F. T., Albany, N. Y. Collar protector. 1,832,339; Nov. 17.
Wilkening, Arthur O. (See Dittmar, Gustav, assignor.)
Wilkening, Frederick W. (See Platt, Haviland H., assignor.)
Wilkening Manufacturing Company. (See Wuerfel, William, assignor.)
Wilkens, Ferdinand, Meldorf, Hosteing, Germany. Cable laying. 1,808,974; June 9.
Wilkens, M. H., & Sohne Akt.-Ges. (See Henke, Gustav, assignor.)
Wilkerson, Henry H., Quay, N. Mex. Grain header. 1,821,861; Sept. 1.
Wilkes, Frederic, Wilkinsburg, Pa. Lubricating apparatus. 1,788,072; Jan. 6.
Wilkes, Traub, New York, N. Y. Conveyer. 1,828,268; Oct. 20.
Wilkes-Barre Can Company. (See Coughlin, J. M., and Ross, assignors.)
Wilkie, John A. (See Johnston, Norman F., assignor.)
Wilkie, Warren, and A. A. Leverenz, assignors to Parke, Davis Company, Detroit, Mich. Capsule filling machine. 1,819,936; Aug. 18.
Wilkin, John T., and C. B. Coldwell, assignors to The Connersville Blower Company, Connersville, Ind. Flexible coupling. 1,815,639; July 21.
Wilkin, Otho P., South Pasadena, Calif. Take up device for electric fixtures. 1,826,294; Oct. 6.
Wilking, Emil, Chicago, Ill. Screen device for windows. 1,788,757; Jan. 13.
Wilking, Emil, Chicago, Ill. Roller unit for window structures. 1,792,054; Feb. 10.
Wilking, Harry, Decatur, Ill. Wire twisting device. 1,822,833; Sept. 8.
Wilkins, Adelbert E., and M. F. Smith, Lansing, Mich. Hood packing. 1,823,812; Sept. 15.
Wilkins, Charles H. L., Crows Nest, near Sydney, New South Wales, Australia. Storage of oils and spirits and to the storage tanks therefor. 1,836,420; Dec. 15.
Wilkins, Frank J., Cincinnati, Ohio. Locking device for envelopes. 1,787,925; Jan. 6.
Wilkins, Harry T., Philadelphia, Pa., assignor of one-half to O. T. Bounds, Centralia, Ill. Recording and prompting device. 1,805,897; May 19.
Wilkins, Herbert J., Gordonsville, Va. Tire gauge holder. 1,803,046; Apr. 28.
Wilkins, James M., assignor to Mueller Co., Decatur, Ill. Packing for pipe cutters and valve inserting machines. 1,805,710; May 19.
Wilkins, James M., assignor to Mueller Co., Decatur, Ill. Flanging tool. 1,826,268; Oct. 6.
Wilkins, James R. (See Doub, Edwin A., assignor.)
Wilkins, Richard A., Beverly, assignor to Industrial Development Corporation, Salem, Mass. Electrolytic method and apparatus. 1,820,204; Aug. 25.
Wilkins, William J., Florence, S. C. Hollow brick or wall construction. 1,795,001; Mar. 3.
Wilkinson, Eltoft W. (See Trotter, W., and Wilkinson.)
Wilkinson, George D., Oak Park, assignor to Cribben & Sexton Company, Chicago, Ill. Broiler oven. 1,798,825; Mar. 31.
Wilkinson, George D., assignor to Cribben & Sexton Company, Chicago, Ill. Oven. 1,836,888; Dec. 15.
Wilkinson, George D., Oak Park, and E. D. Pellegrin, Des Plaines, Ill., assignors to Cribben & Sexton Company, Chicago, Ill. Range. Des. 84,557; June 30.
Wilkinson, George D., Oak Park, and E. D. Pellegrin, Des Plaines, Ill., assignors to Cribben & Sexton Company, Chicago, Ill. Range. Des. 84,772; July 28.
Wilkinson, Harry W., Philadelphia, Pa., assignor, by mesne assignments, to Baker Parkins Co, Inc., Saginaw, Mich. Conveyer roller. 1,829,973; Nov. 3.
Wilkinson, Henry, assignor of one-half to Platt Brothers and Company Limited, Oldham, England. Controlling mechanism for machines for cleaning and opening cotton and forming the same into laps. 1,825,167; Sept. 29.
Wilkinson, Henry, assignor of one-half to Platt Brothers and Company Limited, Oldham, England. Method of controlling and controlling mechanism for machines for cleaning and opening cotton and forming the same into laps. 1,825,168; Sept. 29.
Wilkinson, James W., Marion, Ind. Egg carrier. 1,803,047; Apr. 28.
Wilkinson, John M., Welda, Kans. Scythe blade shank holding clamp. 1,834,192; Dec. 1.
Wilkinson, Louie W. (See Coovert, R. H., and Wilkinson.)
Wilkinson, Roland J. (See Myers, J. W., and Wilkinson.)
Will, Carl H., Minneapolis, Minn., assignor of one-third to O. S. Caesar, Chicago, Ill., and one-third to C. E. Wickman, Minneapolis, Minn. Device for cutting grooves in phonograph records. 1,801,404; Apr. 21.
Willamette-Ersted Company. (See Grab, Gustav A., assignor.)
Willans, Peter W., Pattishall, Towcester, and F. J. H. Charman, Bedford, England. Radio receiving set. 1,829,175; Oct. 27.
Willard, Charles T., Roselle, and R. Kaier, Cranford, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Metal-treating furnace. 1,792,456; Feb. 10.
Willard, Donald E., Danville, Ill. Supporting means for hangar doors. 1,809,093; June 9.
Willard, George B. (See Campbell, A., and Willard.)
Willard, James A., Greensboro, N. C. Battery support. 1,815,488; July 21.
Willard, John M., Los Angeles, Calif. Column clamp. 1,795,586; Mar. 10.
Willard, John M., Los Angeles, Calif. Art of and means for molding concrete structures. 1,808,912; June 9.

Willard, John M., Los Angeles, Calif. Clamping device. 1,815,386; July 21.
Willard, Paul F., Wilkinsburg, and G. R. Pflasterer, assignors to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 1,820,170; Aug. 25.
Willard, Robert E., assignor, by mesne assignments, to Briquet Engineering Company, Minneapolis, Minn. Binder sprayer. 1,816,453; July 28.
Willard, Roger E. (See Allen, E. M., and Willard.)
Willard Storage Battery Company. (See Lormor, Henry W., assignor.)
Willard Storage Battery Company. (See Reinhardt, Willard L., assignor.)
Willard Storage Battery Company. (See Willard, Theodore A., assignor.)
Willard, Theodore A., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 1,802,801; Apr. 28.
Willauer, William R., Spartanburg, S. C. Method and machine for making paper tubes. 1,802,857; Apr. 28.
Willborg, Louis, assignor to R. Hoe & Co., Inc., New York, N. Y. Mold for casting stereotype printing plates. 1,836,099; Dec. 15.
Willby, Norman H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dynamic braking system. 1,835,548; Dec. 8.
Willcox, Charles L., Savannah, Ga. Razor blade conditioning device. 1,837,352; Dec. 22.
Willcox, Dudley, Lawrenceville, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Electric induction furnace. 1,827,274; Oct. 13.
Willcox, Frederick H., and J. C. Hayes, jr., assignors to Freyn Engineering Company, Chicago, Ill. Control means for hot blast stoves. 1,817,219; Aug. 4.
Willcox, George C., et al. (See Carr, Walter J., assignor.)
Willcox & Gibbs Sewing Machine Co. (See Lewis, Griffith M., assignor.)
Willcox & Gibbs Sewing Machine Company. (See Thornton, David B., assignor.)
Willcox, Jay C., assignor to McQuay Radiator Corporation, Minneapolis, Minn. Adjustable hanger for cabinet radiators. 1,810,196; June 16.
Wille, Fred. (See Beale, A. H., Brassert, and Wille.)
Wille, Fred, Chicago, assignor to H. A. Brassert & Co., Chicago, Ill. Gas drier. 1,806,989; May 26.
Wille, Hans. (See Luther, M., and Wille.)
Willems, August J., Chicago, Ill. Device for whipping cream and similar uses. 1,820,718; Aug. 25.
Willer, George J., Blue Island, assignor to Tuthill Building Material Company, Chicago, Ill. Brick fork. 1,790,688; Feb. 3.
Willerton, Dorian A., St. Clairsville, Ohio. Hay loader. 1,799,033; Mar. 31.
Willet, George R., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Plug seat. 1,829,077; Oct. 27.
Willets, Paul G., West Hartford, Conn. Refractory. 1,802,296; Apr. 21.
Willets, Paul G., West Hartford, Conn. Refractory. 1,802,297; Apr. 21.
Willets, Paul G., West Hartford, Conn. Refractory. 1,802,298; Apr. 21.
Willett, Alfred H., West Englewood, N. J., assignor to American Arch Company, New York, N. Y. Locomotive arch construction. 1,815,387; July 21.
Willett, Charles G. (See Dean, George E., assignor.)
Willette, Charles W., Portland, Oreg. Log carriage. 1,798,770; Mar. 31.
Willetts, Paul G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Manufacture of silica alumina refractories. 1,832,678; Nov. 17.
Willey, James A., et al. (See Roberts, Henry P., assignor.)
Willfroth, Ernst. (See Luther M., and Willfroth.)
Willgoos, Andrew V. D., West Hartford, assignor to The Pratt & Whitney Aircraft Company, Hartford, Conn. Tappet construction. 1,835,622; Dec. 8.
Willi, Albert B., assignor to Continental Motors Corporation, Detroit, Mich. Crankshaft seal. 1,835,127; Dec. 8.
Williamette-Ersted Company. (See Grab, Gustav A., assignor.)
Williams, Alfred O. (See Evans, K. J., and Williams.)
Williams, Alfred O., assignor to Clark Tructractor Co., Battle Creek, Mich. Universal joint. 1,790,516; Jan. 27.
Williams, Alfred O., and W. L. Davis, Battle Creek, assignors to Clark Tructractor Company, Buchanan, Mich. Conveyer. 1,826,853; Oct. 13.
Williams, Anna, Pittsburgh, Pa. Detachable window shade. 1,813,980; July 14.
Williams, Archibald, jr. (See Everett, W. D., and Williams.)
Williams, Arthur. (See Griffin, J. F., and Williams.)
Williams, Arthur A. (See Bergquist, John U., assignor.)
Williams, Arthur A., Holliston, Mass. Armored shoe. 1,823,944; Sept. 22.
Williams, Cadwell A., Wilmington, N. C. Connecting device for railroad signal circuits. 1,787,461; Jan. 6.
Williams, Cadwell A., Wilmington, N. C. Identification device. 1,788,004; Jan. 6.
Williams, Calvert B., Santa Cruz, Calif. Musical instrument string securing device. 1,811,738; June 23.
Williams, Calvin C., Philadelphia, Pa. Mechanical movement. 1,789,207; Jan. 13.
Williams, Calvin C., Philadelphia, Pa. Valve actuating mechanism. 1,806,229; May 19.
Williams, Calvin C., Philadelphia, Pa. Valve actuating mechanism. 1,806,230; May 19.
Williams, Calvin C., Philadelphia, Pa. Valve actuating mechanism. 1,806,231; May 19.
Williams, Calvin C., Philadelphia, Pa. Valve actuating mechanism. 1,807,719; June 2.
Williams, Camp and Bradbury. (See Bracke, Robert F., assignor.)
Williams, Charles B. (See Spector, S., and William.)
Williams, Charles B., Shaker Heights, Ohio. Clothes wringer frame. Des. 84,722; July 21.
Williams, Charles B., Nashville, Tenn. Tariff binder. 1,819,937; Aug. 18.
Williams, Charles E., Edgewood, and A. W. Bendig, Etna, Pa. Adapter connecter. 1,796,353; Mar. 17.
Williams, Charles L., Alhambra, assignor to F. Garber, Los Angeles, Calif. Constructing fire extinguishers. 1,826,684; Oct. 6.
Williams, Charles S., Kingston, assignor to Electric Service Supplies Company, Philadelphia, Pa. Apparatus for and method of developing high voltage direct current supply. 1,805,679; May 19.
Williams, Charles S., Kingston, assignor to Electric Service Supplies Company, Philadelphia, Pa. Train control. 1,814,612; July 14.
Williams, Charles W., Arvada, Colo. Dressing rack for fowls. 1,796,739; Mar. 17.
Williams, Chester E. (See Pelletier, Julian, assignor.)
Williams, Chester I., assignor of one-half to Goodspeed Investment Company, Grand Rapids, Mich. Concrete form. 1,799,269; Apr. 7.
Williams, Chester I., assignor of one-half to Goodspeed Investment Company, Grand Rapids, Mich. Concrete form clamp. 1,831,153; Nov. 10.
Williams, Clarence, and E. G. Appleton, assignors to Roach-Appleton Manufacturing Company, Chicago, Ill. Three position toggle switch. 1,812,914; July 7.
Williams, Clarence E. (See Roby, Irene C., assignor.)
Williams, Clarence E., Kansas City, Kans., assignor of one-half to T. B. Watkins, Kansas City, Mo. Jack for motor vehicles. 1,794,661; Mar. 3.
Williams, Claude W., Pawhuska, Okla. Machine for examination and treatment of eye conditons. 1,795,587; Mar. 10.
Williams, Clayton, Camden, N. J. Motion picture machine. 1,820,418; Aug. 25.
Williams, Clifford J., assignor to Briggs Manufacturing Company, Detroit, Mich. Doorlock. 1,814,536; July 14.
Williams, Clifton S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Induction furnace. 1,810,866; June 16.
Williams, Clyde D., Woodside, Md. Keyboard for perforating, adding, and calculating machines. 1,815,997; July 28.
Williams Company, The. (See Robbins, William H., assignor.)
Williams Company, The. (See Robbins, W. H., and Boheler, jr., assignors.)
Williams Company, The. (See Robbins, W. H., and Toulmin, assignors.)
Williams, Daniel A., East Orange, N. J., assignor to A. B. Dick Company, Chicago, Ill. Stencil blank. 1,795,461; Mar. 10.
Williams, David H., and O. L. Beck, Apollo, Pa. Finishing roll polisher. 1,823,436; Sept. 15.
Williams, David L. H., Ickenham, assignor to C. R. Fairey, Hayes, England. Bracing a cantilever beam against torsional deflection. 1,806,010; May 19.
Williams, David S., Portland, Oreg. Adjustable floor drain. 1,792,345; Feb. 10.
Williams, Edward, Charleroi, assignor, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Frame for furnace doorways. 1,836,784; Dec. 15.
Williams, Edward R., assignor to Vulcan Mold and Iron Company, Latrobe, Pa. Casting. 1,793,268; Feb. 17.
Williams, Edward R., assignor to Vulcan Mold and Iron Company, Latrobe, Pa. Ingot mold. 1,795,065; Mar. 3.
Williams, Edward T., Brooklyn, N. Y. Refrigeration apparatus. 1,799,940; Apr. 7.
Williams, Eldon, Wellington, Kans. Universal joint. 1,835,684; Dec. 8.
Williams, Eloise. (See Biegeleisen, Hyman, assignor.)
Williams, Ernest, Stone, England. Trepan tool with radial cage, cutter, and guide. 1,790,964; Feb. 3.
Williams, Estelle P. (See Williams, Villor P., assignor.)
Williams, Fairfax, et al. (See Long, William H., assignor.)
Williams, Forest L., assignor to Williams Manufacturing Company, Portsmouth, Ohio. Buckle. 1,826,231; Oct. 6.
Williams, Forrest B., and J. F. and L. H. Ledford, Shelby N. C. Milk-bottle holder. 1,791,993; Feb. 10.
Williams, Francis C., San Francisco, Calif. Furnace for heating pipes, cylinders, and the like. 1,838,724; Dec. 29.
Williams, Francis M., and E. W. Coble, Toledo, Ohio. Floor mat. 1,797,562; Mar. 24.
Williams, Francis M., and E. W. Coble, Toledo, Ohio. Floor mat. 1,797,813; Mar. 24.
Williams, Francis W., Charlotte, N. C. Heat exchange device. 1,819,832; Aug. 18.

Williams, Frank, assignor to Simplex Gold Stamping Press Co., New York, N. Y. Attachment to embossing or stamping machine. 1,827,550; Oct. 13.
Williams, Frank C., Los Angeles, Calif. Luggage handle. 1,793,575; Feb. 24.
Williams, Frank C., Philadelphia, and G. H. Williams, Harrisburg, Pa. Train-stopping and speed-controlling mechanism. 1,800,972; Apr. 14.
Williams, Frank C., Philadelphia, and G. H. Williams, Harrisburg, Pa. Train stopping and speed controlling mechanism. 1,816,628; July 28.
Williams, Frank D., Los Angeles, Calif. Aircraft. 1,827,771; Oct. 20.
Williams, Frank D., Los Angeles, Calif. Picture process. 1,827,924; Oct. 20.
Williams, Frank E., Seattle, Wash. Cigar lighter. 1,801,473; Apr. 21.
Williams, Frank H., Allston, Mass. Device for automatically controlling ignition timing. 1,789,573; Jan. 20.
Williams, Frank I. (See Bryson, T. A., and Williams.)
Williams, Frank T. (See Ellis, H. E., and Williams.)
Williams, Frank M., Watertown, N. Y. Freeness tester. 1,828,210; Oct. 20.
Williams, Frank T., and H. E. Ellis, assignor to The Miller Company, Meriden, Conn. Barometric liquid feeding device. 1,835,362; Dec. 8.
Williams, Fred L., Denver, Colo., assignor to The American Rolling Mill Company, Middletown, Ohio. Sheet-metal pipe. 1,793,280; Feb. 17.
Williams, Frederick L., Denver, Colo., assignor to The American Rolling Milling Company, Middletown, Ohio. Spiral-pipe machine. 1,788,220; Jan. 6.
Williams, French B., assignor of five-fortieths to J. H. Clark, five-fortieths to A. P. Barker, and four-fortieths to H. T. Pangburn and twenty-fortieths to C. R. Pressley, Fort Worth, Tex. Cotton gin. 1,831,275; Nov. 10.
Williams, French B., assignor of five-fortieths to J. H. Clark, five-fortieths to A. P. Barker, four-fortieths to H. T. Pangburn, and twenty-fortieths to C. R. Pressley, Fort Worth, Tex. Cotton gin. 1,831,276; Nov. 10.
Williams, G. H. Company. (See Carney, Charles A., assignor.)
Williams, G. H., Company. (See Robin, P. T., and Scheloske, assignors.)
Williams, G. H., Company. (See Thompson, George F., assignor.)
Williams, Gabriel C., Alligator, Miss. Backband buckle. 1,816,066; July 28.
Williams, George A., assignor to Williams Sealing Corporation, Decatur, Ill. Sealing closures. 1,788,607; Jan. 13.
Williams, George A., assignor to Williams Sealing Corporation, Decatur, Ill. Container nozzle and closure therefor. 1,791,650; Feb. 10.
Williams, George A., assignor to Williams Sealing Corporation, Decatur, Ill. Inner seal for nozzles. 1,797,033; Mar. 17.
Williams, George A., Decatur, assignor to Williams Sealing Corporation, Decatur, Ill. Tamper-proof seal for containers. 1,809,806; June 9.
Williams, George H. (See Williams, Frank C. and G. H.)
Williams, George N., assignor to Continental Steel Corporation, Kokomo, Ind. Reel. 1,799,343; Apr. 7.
Williams, George N., assignor to Continental Steel Corporation, Kokomo, Ind. Article of manufacture. 1,829,974; Nov. 3.
Williams, George T., Akron, Ohio. Lathe. 1,802,164; Apr. 21.
Williams, George W., Oak Park, assignor to The Creamery Package Mfg. Company, Chicago, Ill. Metallic lined tank structure. 1,788,005; Jan. 6.
Williams, George W., Oak Park, assignor to The Creamery Package Mfg. Company, Chicago, Ill. Liquid cooler. 1,821,489; Sept. 1.
Williams, George W., jr., deceased, Temple, Tex.; P. Williams, executrix. Auto vent wing for aeroplanes. 1,817,281; Aug. 4.
Williams, George W., Burlingame, Calif. Hollow concrete wall construction. 1,826,111; Oct. 6.
Williams, Gordon, Mount Carmel, Conn. Windshield. 1,834,193; Dec. 1.
Williams, H. E., Products Co. (See Thurman, Tandy B., assignor.)
Williams, Harold E., Carthage, Mo. Sun and rain shield for vehicles. 1,787,845; Jan. 6.
Williams, Harold E., Carthage, Mo. Vehicle awning. 1,787,846; Jan. 6.
Williams, Harold E., Carthage, Mo. Awning. 1,787,847; Jan. 6.
Williams, Harold W., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Inductor relay for elevators. 1,800,126; Apr. 7.
Williams, Harold W., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,816,454; July 28.
Williams, Harold W., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 1,824,856; Sept. 29.
Williams, Harrison R., Chicago, Ill. Vending machine. 1,788,221; Jan. 6.
Williams, Harrison R., New York, N. Y. Paper manufacture. 1,806,273; May 19.
Williams, Harrison R., New York, N. Y. Valve bag closure. 1,809,259; June 9.
Williams, Harrison R., New York, N. Y. Milk container. 1,820,549; Aug. 25.
Williams, Harrison R., New York, N. Y. Vending machine. 1,820,929; Sept. 1.
Williams, Harrison R., New York, N. Y. Packing. 1,824,061; Sept. 22.
Williams, Harrison R., New York, N. Y. Conveying means. 1,829,322; Oct. 27.
Williams, Harrison R., New York, N. Y. Roll grinding machine. 1,831,085; Nov. 10.
Williams, Harrison R., New York, N. Y. Web measuring and cutting mechanism. 1,834,299; Dec. 1.
Williams, Harry M. (See Ritter, C. C., and Williams.)
Williams, Henry O. (See Steffan, G. B., Williams, and Fletcher.)
Williams, Herbert H. (See Murray, T. E., jr., and Williams.)
Williams, Herman P., assignor to Laclede-Christy Clay Products Company, St. Louis, Mo. Method and apparatus for manufacturing sewer pipe and similar articles. 1,826,586; Oct. 6.
Williams, Hermann W., Boston, Mass. Safety drop device for aviators' use. 1,799,664; Apr. 7.
Williams, Hubert L., assignor to General Motors Corporation, Detroit, Mich. Loading equipment. 1,838,975; Dec. 29.
Williams, J. H., & Co. (See Kress, Willard C., assignor.)
Williams, James E., assignor to Robert F. Williams, Spring City, Pa. Shoe. 1,818,594; Aug. 11.
Williams, James F., Texarkana, Tex. Apparatus for treating blood streams. 1,838,026; Dec. 22.
Williams, James F., Lyndhurst and R. H. Cramer, Newark, N. J., assignors to General Motors Corporation, Detroit, Mich. Feed mechanism. 1,828,552; Oct. 20.
Williams, James F., Lyndhurst, and P. H. Hutchinson, Montclair, N. J., assignors to General Motors Corporation, Detroit, Mich. Cutting machine. 1,834,755; Dec. 1.
Williams, James H., Providence, R. I., assignor to Detroit and Security Trust Company, Detroit, Mich. Apparatus for making castings. 1,810,509; June 16.
Williams, James R., assignor to H. M. Sheer Company, Quincy, Ill. Brooder heater. 1,800,040; Apr. 7.
Williams, Jane A. (See Williams, Lloyd M., assignor.)
Williams, John, Philadelphia, Pa. Piston ring. 1,819,581; Aug. 18.
Williams, John, Philadelphia, Pa. Piston ring. 1,819,582; Aug. 18.
Williams, John, Philadelphia, Pa. Piston ring. 1,821,251; Sept. 1.
Williams, John and J., Philadelphia, Pa. Making piston rings. 1,788,697; Jan. 13.
Williams, John F., Boston, Mass. Railing. 1,832,271; Nov. 17.
Williams, John J. (See Collis, H. W., and Williams.)
Williams, John J., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Metallic cap for glass containers. 1,808,702; June 2.
Williams, John M. (See Robson, Joseph B., assignor.)
Williams, John P., Malverne, assignor to Duplex Electric Company, New York, N. Y. Air-vent means for vaults. 1,791,050; Feb. 3.
Williams, John P., Malverne, assignor to Duplex Electric Company, New York, N. Y. Air-vent fan for vaults. 1,800,237; Apr. 14.
Williams, John P., Bayside, assignor to Duplex Electric Company, New York, N. Y. Automatic sound signaling and regulating system for microphones used in electric alarm systems. 1,812,616; June 30.
Williams, John P., Fresno, Calif. Direction signal for motor vehicles. 1,815,367; July 21.
Williams, John W., Philadelphia, Pa. Tire-inflation-control valve. 1,791,018; Feb. 3.
Williams, Joseph, assignor of one-half to J. F. Schellhaas, York, Pa. Device for preventing accumulation of frost on windshields. 1,835,833; Dec. 8.
Williams, Joseph C., Los Angeles, Calif. Demountable sleeping balcony. 1,794,428; Mar. 3.
Williams, Joseph G. (See Dorrance, A. A., and Avakian, assignors.)
Williams, Joseph H. (See Williams, Samuel H. and J. H.)
Williams, Judson. (See Williams, John and J.)
Williams, Judson, Philadelphia, Pa. Piston and ring assembly. 1,814,355; July 14.
Williams, Judson, Philadelphia, Pa. Sleeve valve motor. 1,835,363; Dec. 8.
Williams, Keith, assignor to Pratt & Letchworth Company, Buffalo, N. Y. Coiling machine. 1,827,056; Oct. 13.
Williams, Kenneth G., St. Paul, Minn. Electric clock. 1,793,984; Feb. 24.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,822,513; Sept. 8.
Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Portière-type cover for dumping bodies. 1,792,789; Feb. 17.
Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Lock for tilting bodies. 1,816,882; Aug. 4.
Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Gravity dump vehicle. 1,822,684; Sept. 8.
Williams, Leslie E., London, and G. E. James, Bath, England. Inflatable hollow rubber body. 1,833,478; Nov. 24.

Williams, Lester, Marshalltown, Iowa. Scrap cutter. 1,803,580; May 5.
Williams, Lester J., assignor to Carl Braun Inc., Canastota, N. Y. Spray nozzle. 1,823,635; Sept. 15.
Williams, Lloyd M., assignor to Lloyd's Mfg. Co., Chicago, Ill. Rotary accelerator pedal. Des. 85,801; Dec. 22.
Williams, Lloyd M., assignor to J. A. Williams, Chicago, Ill. Starting switch. 1,791,087; Feb. 3.
Williams, Louis N. D. (See Butz, Walter D., assignor.)
Williams, Louis N. D., Ogontz, Pa., assignor to Scott & Williams, Incorporated, New York, N. Y. Method of and mechanism for transferring knitted fabrics. 1,802,098; Apr. 21.
Williams, Louis N. D., Ogontz, Pa., assignor to Scott & Williams, Incorporated, New York, N. Y. Needle arresting means for knitting machines. 1,817,116; Aug. 4.
Williams, Louis R., Los Angeles, Calif. Grooving machine. 1,823,774; Sept. 15.
Williams Manufacturing Company. (See Williams, Forest L., assignor.)
Williams, Morris L., Monterey Park, Calif. Brooder. 1,830,154; Nov. 3.
Williams, Norman and H. Mittermeier, Kitchener, Ontario, Canada. Windshield wiper. 1,818,775; Aug. 11.
Williams Oil-O-Matic Heating Corporation. (See Williams, Walter W., assignor.)
Williams, Oliver J. (See Reinking, Henry M., assignor.)
Williams, Ormsby P., sr., Southgate, Calif. Ventilating means for foot coverings. 1,809,323; June 9.
Williams, Oscar, Kansas City, Mo. Curtain fixture. 1,799,344; Apr. 7.
Williams, Patrick M., North Wilkesboro, N. C., assignor to Moore Dry Kiln Company, Jacksonville, Fla. Conveyer drier. 1,791,438; Feb. 3.
Williams, Paul F., assignor to G & W Electric Specialty Co., Chicago, Ill. Electrical connecter. 1,805,270; May 12.
Williams, Pauline., executrix. (See Williams, George W., jr.)
Williams, Perry, Phil Campbell, Ala. Projectile shooter. 1,832,340; Nov. 17.
Williams, Peter A., White Plains, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Blowing device. 1,792,881; Feb. 17.
Williams, Ralph E. (See Schaff, C., Morrison, Henkel, and Williams.)
Williams, Raymond A., Arlington, Mass. Bowling alley. 1,806,274; May 19.
Williams, Raymond G., Providence, R. I., assignor to The Tabulating Machine Co., New York, N. Y. Punching mechanism. 1,827,180; Oct. 13.
Williams, Richard J., Virginia, Minn. Safety handle for air hoists. 1,795,985; Mar. 10.
Williams, Robert F. (See Williams, James E., assignor.)
Williams, Robert L., Dallas, Tex. Auxiliary bumper and tire rack brace. 1,801,761; Apr. 21.
Williams, Robert T., assignor to H. M. Sheer Company, Quincy, Ill. Damper control for house-heating systems. 1,791,589; Feb. 10.
Williams, Robert T., assignor to H. M. Sheer Company, Quincy, Ill. Brooder. 1,800,038; Apr. 7.
Williams, Robert T., assignor to H. M. Sheer Company, Quincy, Ill. Brooder-canopy support. 1,800,039; Apr. 7.
Williams, Robert T., assignor to H. M. Sheer Company, Quincy, Ill. Oil control. 1,817,282; Aug. 4.
Williams, Roger, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Effecting catalytic reactions. Re18,302; Dec. 29.
Williams, Roger, Wilmington, Del., assignor to Du Pont Ammonia Corporation. Apparatus for effecting synthesis. 1,809,291; June 9.
Williams, Roger, assignor to Du Pont Ammonia Corporation, Wilmington, Del. Effecting catalytic reactions. 1,820,417; Aug. 25.
Williams, Roger, assignor to Du Pont Ammonia Corporation, Wilmington, Del. Producing hydrogen. 1,826,974; Oct. 13.
Williams, Roger, assignor to Du Pont Ammonia Corporation, Wilmington, Del. Producing hydrogen. 1,830,010; Nov. 3.
Williams, Roger, Wilmington, assignor to Du Pont Ammonia Corporation, Wilmington, Del. Producing hydrogen. 1,834,115; Dec. 1.
Williams, Roger, assignor to Du Pont Ammonia Corporation, Wilmington, Del. Producing hydrogen. 1,834,116; Dec. 1.
Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Highway-guard-fence fixture. 1,788,501; Jan. 13.
Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Truss fixture for electric railway equipment. 1,801,474; Apr. 21.
Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Electric railway equipment. 1,802,994; Apr. 28.
Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Gain fixture for poles. 1,802,995; Apr. 28.
Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. State highway guard fence. 1,808,196; June 2.
Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Pole attachment for electric conductors. 1,809,094; June 9.
Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Automatic compensating device for highway guard fence cables. 1,828,349; Oct. 20.
Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Fence anchor. 1,828,350; Oct. 20.
Williams, Rolland G., assignor to Malleable Iron Fittings Company, Branford, Conn. Highway guard fence fixture. 1,836,566; Dec. 15.
Williams, Rowland T. D. (See Hey, H., Evans, Williams, and Newall.)
Williams, Samuel, Elk City, Okla. Machine for cleaning seed cotton. 1,787,740; Jan. 6.
Williams, Samuel A., Scarsdale, assignor to Johns-Manville Corporation, New York, N. Y. Reenforced insulation fabric. 1,811,416; June 23.
Williams, Samuel B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical recorder. 1,835,737; Dec. 8.
Williams, Samuel H. and J. H., North Kansas City, Mo. Burial casket. 1,807,610; June 2.
Williams, Samuel L., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable-load brake. 1,797,387; Mar. 24.
Williams, Samuel L., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable-load brake. 1,797,388; Mar. 24.
Williams Sealing Corporation. (See Hill, Roland E., assignor.)
Williams Sealing Corporation. (See Williams, George A., assignor.)
Williams, Sidney J., Kensington, England. Electrical storage battery. 1,800,422; Apr. 14.
Williams, Stephen F., Montreal East, Quebec, Canada. Truck for transporting annular objects. 1,820,263; Aug. 25.
Williams, Stephen F., Montreal, Quebec, Canada. Rolling mill. 1,836,352; Dec. 15.
Williams, Stephen L., assignor to Extruded Metal Products Company, Bridgeport, Ohio. Pickling apparatus. 1,801,063; Apr. 14.
Williams, Thomas C., et al. (See Long, William H., assignor.)
Williams, Thomas E. (See Lown, A. M., and Williams.)
Williams, Thomas L. (See Frederick, R. L., and Williams.)
Williams, Todd P., Houston, Tex. Tool joint tong. 1,817,791; Aug. 4.
Williams Tool Corporation. (See Kane, Edward A., assignor.)
Williams, Victor, assignor to The Mid-West Chandelier Company, Kansas City, Mo. Brace for lighting fixtures. Des. 84,799; Aug. 4.
Williams, Victor G. (See Powell, W. B., and Williams.)
Williams, Villor P., assignor, by mesne assignments, to E. P. Williams, Baltimore, Md. Universal joint. 1,797,215; Mar. 17.
Williams, Villor P., assignor, by mesne assignments, to E. P. Williams, Baltimore, Md. Flexible coupling. 1,827,129; Oct. 13.
Williams, W. A. (See Bryant, William T., assignor.)
Williams, Walter W., Bloomington, Ill. Internal combustion engine. 1,838,974; Dec. 29.
Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Apparatus for burning liquid fuel. 1,795,814; Mar. 10.
Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Liquid fuel burning mechanism. 1,806,550; May 19.
Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Electrically operated and controlled oil burning mechanism. 1,817,051; Aug. 4.
Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Refrigerating machine. 1,824,699; Sept. 22.
Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Stack control device for oil burner systems. 1,827,703; Oct. 13.
Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Fluid fuel burner construction. 1,831,277; Nov. 10.
Williams, Walter W., Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Fuel and air control. 1,833,273; Nov. 24.
Williams, Walter W., assignor to Williams Oil-o-Matic Heating Corporation, Bloomington, Ill. Electrically operated refrigerating mechanism. 1,838,063; Dec. 22.
Williams, Warren K., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Conveyer apparatus. 1,824,858; Sept. 29.
Williams, Washington B., Kenwood, Md. Coal conveyer. 1,815,135; July 21.
Williams, White & Company. (See Bates, Ralph E., assignor.)
Williams, White & Co. (See Hintz, Henry E.)
Williams, White & Co. (See Kline, George P., assignor.)
Williams, William A., Edinburgh, Scotland. Electrodeposition of rubber. 1,838,241; Dec. 29.
Williams, William H. (See Britton, E. C., and Williams.)
Williams, William H. (See Britton, E. C., Williams, and Putnam.)

Williams, William J., assignor, by mesne assignments, to J. C. Kernchen, Chicago, Ill. Pneumatic switch. 1,790,564; Jan. 27.
Williams, William L., assignor of one-fourth to W. H. Reynolds and one-fourth to C. E. Pratt, Seminole, Okla. Landing gear for aeroplanes. 1,802,399; Apr. 28.
Williams, William M., London, assignor to Activities Limited, Nottingham, England. Production of activated carbon. 1,798,827; Mar. 31.
Williams, William S., San Luis Obispo, Calif. Variable-pitch propeller. 1,788,263; Jan. 6.
Williamsburg Wood Heel Company. (See Hauck, Andrew C., assignor.)
Williamson, Arba G., Carnegie, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Train-control system. 1,791,779; Feb. 10.
Williamson, Arba G., Carnegie, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Train-control system. 1,791,780; Feb. 10.
Williamson, Arba G., Carnegie, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Track-circuit system. 1,792,559; Feb. 17.
Williamson, Arba G., Carnegie, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Track circuit system. 1,807,330; May 26.
Williamson, Arba G., Carnegie, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Train control system. 1,828,632; Oct. 20.
Williamson, Clarence, Port Angeles, Wash. Valve. 1,832,341; Nov. 17.
Williamson, Colin M. (See Williamson, Stuart, assignor.)
Williamson, Douglas G. (See Backus, Clarence E., and Williamson.)
Williamson, Floyd M., Detroit, Mich. Tool supporting arrangement. 1,814,274; July 14.
Williamson, Floyd M., Detroit, assignor to Crosby-Ross Window Equipment Company, Ypsilanti, Mich. Sash-cord arrangement for windows. 1,800,919; Apr. 14.
Williamson, Henry C., Marlin, Tex. Coin controlled operating mechanism for vending machines. 1,802,488; Apr. 28.
Williamson, Larkin R., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Hydraulically operated reversing mechanism. 1,824,700; Sept. 22.
Williamson, Larkin R., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Hydraulic column clamp. 1,825,986; Oct. 6.
Williamson, Robert B., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamo-electric machine. 1,792,720; Feb. 17.
Williamson, Robert M., Burley, Ringwood, England. Device for teaching arithmetic. 1,826,034; Oct. 6.
Williamson, Stuart, assignor of one-half to C. M. Williamson, London, England. Apparatus for joining wires. 1,789,091; Jan. 13.
Williamson, William R., Chicago, Ill. Lamp. Des. 85,627; Nov. 24.
Williamsport Furniture Company. (See Kerr, James, assignor.)
Williamsport Wire Rope Company. (See Reilly, Frank W., assignor.)
Williamsport Wire Rope Company. (See Reilly, F. W., and Sherman, assignors.)
Williamsport Wire Rope Company. (See Sherman, Delmar Charles, assignor.)
Williford, Edward A., Lakewood, Ohio, assignor to National Carbon Co., Inc. Brush. 1,818,515; Aug. 11.
Williford, Hugh A. (See Saunders, J. H., and Williford.)
Willig, Bruno W., San Angelo, Tex. Lift mechanism for agricultural implements. 1,809,500; June 9.
Willig, Bruno W., deceased, San Angelo, Tex.; M. Willig, executrix. Scarifier. 1,831,899; Nov. 17.
Willig, Lena, et al. (See Percell, John D., assignor.)
Willig, Mary, executrix. (See Willig, Bruno W.)
Willing, Joseph E., assignor to General Railway Signal Company, Rochester, N. Y. Light signal system for railroads. 1,824,186; Sept. 22.
Willing, Joseph E., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 1,824,251; Sept. 22.
Willingham, Baynard, College Park, assignor to Egan Cotton Mills, Atlanta, Ga. Knitting machine. 1,816,416; July 28.
Willis, Bernard D. (See Voss, J. H., and Willis.)
Willis, Carter A. (See Willis, Reuben M., C. A., and G. J.)
Willis, Carter A., C. J. Willis, and R. M. Willis, assignors to The Willis Drilling Machine and Manufacturing Company, Chanute, Kans. Drilling machine. 1,822,834; Sept. 8.
Willis, Carter A., G. J., and R. M., assignors to The Willis Drilling Machine and Manufacturing Company, Chanute, Kans. Drill machine. 1,816,708; July 28.
Willis, Clayton L., Detroit, Mich. Saw. 1,792,955; Feb. 17.
Willis Drilling Machine and Manufacturing Company, The. (See Willis, Carter A. and G. J., assignors.)
Willis Drilling Machine and Manufacturing Company, The. (See Willis, Reuben M., C. A., and G. J., assignors.)
Willis, Gail A., Rawlins, Wyo. Horse or trestle. 1,818,516; Aug. 11.
Willis, George F. (See Nuckolls, Samuel H., assignor.)
Willis, Gordon J. (See Willis, Carter A., G. J., and R. M.)
Willis, Gordon J. (See Willis, Reuben M., C. A., and G. J.)
Willis, Jasper B., Los Angeles, Calif. Timing device. 1,803,226; Apr. 28.
Willis, John H., Norwich, England. Chronological device. 1,832,342; Nov. 17.
Willis, Le Roy W., assignor to Intertype Corporation, Brooklyn, N. Y. Typographical machine. 1,806,514; May 19.
Willis, Le Roy W., assignor to Intertype Corporation, Brooklyn, N. Y. Attachment for breaking type slugs. 1,808,703; June 2.
Willis, Le Roy W., Stamford, Conn., assignor to Intertype Corporation, Brooklyn, N. Y. Matrix for typographical machines. 1,829,695; Oct. 27.
Willis, Martin, assignor to R. J. Dorn Co., Inc., New Orleans, La. Trolley. 1,816,031; July 28.
Willis, Ned T., New York, N. Y. Metal flanging or cutting and flanging machine. 1,821,457; Sept. 1.
Willis, Reuben M. (See Willis, C. A., G. J., and R. M.)
Willis, Reuben M., C. A., and G. J., assignors to The Willis Drilling Machine and Manufacturing Company, Chanute, Kans. Attachment for trucks. 1,811,739; June 23.
Willis, Sanford L., assignor to Corning Glass Works, Corning, N. Y. Container for gasoline. 1,837,640; Dec. 22.
Williston, Belvin T., Somerville, Mass., assignor to Consolidated Ashcroft Hancock Company, New York, N. Y. Exhaust nozzle. 1,798,771; Mar. 31.
Williston, Belvin T., and F. W. Walch, Somerville, Mass., and C. D. Allen, Philadelphia, Pa., assignors to Consolidated Ashcroft Hancock Company, Inc., New York, N. Y. Injector for feeding water to steam boilers. 1,828,633; Oct. 20.
Williston, Samuel H., Maracaibo, Venezuela, assignor, by mesne assignments, to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Side wall sampler. 1,815,661; July 21.
Willits, Frederick E., Fairport, N. Y. Woven wire fabric machine. 1,812,506; June 30.
Willits, George H. (See McKinley, C. W., and Willits.)
Willits, Guy L., Minneapolis, Minn. Drawbar attachment. 1,806,728; May 26.
Willits, John. (See Sherts, J. H., and Willits.)
Willits, Leland R., Atlantic City, N. J. Battery water level indicator. 1,816,993; Aug. 4.
Willman, Daniel, Hartford City, Ind. Illuminated license holder. 1,811,989; June 30.
Willoughby, Lively B., assignor to Ballard & Ballard Company, Louisville, Ky. Packeting dough. 1,811,772; June 23.
Willoughby, Lively B., assignor to Ballard & Ballard Company, Louisville, Ky. Dough cutting device. 1,834,012; Dec. 1.
Willoughby Mfg. Co., The. (See Winegar, E. M., and Shutt, assignors.)
Willrodt, Fred L., assignor to The Willrodt Tractor Guide Campany, Omaha, Nebr. Steering attachment for tractors. Re18,212; Sept. 29.
Willrodt Tractor Guide Company, The. (See Willrodt, Fred L., assignor.)
Wills, C. G., et al. (See Walker, Jay P., assignor.)
Wills, Felix P. (See Butcher, J. H., and Wills.)
Wills, Silas D., Birmingham, Ala. Life belt. 1,827,057; Oct. 13.
Willsea, Louis P., Rochester, assignor to Box Blank Corporation, New York, N. Y. Paper-product-making machine. 1,792,623; Feb. 17.
Willshaw, Harry, Wylde Green, and S. N. Goodhall, Marsten Green, England, assignors to Dunlop Tire and Rubber Corporation. Apparatus for molding rubber articles. 1,795,917; Mar. 10.
Willshaw, Harry, Wylde Green, and W. G. Gorham, Erdington, Birmingham, assignors to Dunlop Rubber Company, Limited, Birmingham, England. Vulcanizing apparatus. 1,793,269; Feb. 17.
Willshaw, Harry, Wylde Green, near Birmingham, W. G. Gorham, Erdington, and E. Ramsbottom, Heywood, England, assignors of one-half to Dunlop Rubber Company, Limited, Erdington, Birmingham, England, and one-half to J. Mills & Co., Ltd. Sealing the ends of vessels against internal fluid pressure. 1,816,883; Aug. 4.
Willshaw, Harry, Thomas Norcross and F. G. Broadbent, Erdington, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for vulcanizing tires. 1,809,433; June 9.
Willshaw, Harry, T. Norcross, and F. G. Broadbent, Erdington, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for vulcanizing tires. 1,815,085; July 21.
Willsie, Henry E., New York, N. Y. Detergent composition and making it. 1,803,159; Apr. 28.
Willsie, Henry E., New York, N. Y., assignor to The Union Trust Company, Cleveland, Ohio. Refrigeration apparatus. 1,818,181; Aug. 11.
Willson, Ethelred A., H. F. Woodman, and E. Greig, assignors to Creed and Company, Limited, Croydon, England. Quadruplex amplifier. 1,821,490; Sept. 1.
Willson, Frederick, assignor to Willson Products Inc., Reading, Pa. Respirator. 1,821,996; Sept. 8.
Willson Products, Inc. (See Shindel, Harry F., assignor.)
Willson Products Inc. (See Willson, Frederick, assignor.)
Willy, Edwin C., Evansville, assignor of one-half to E. H. Poggemeier, Vanderburg County, Ind. Machine for forming electrical coils, etc. 1,833,010; Nov. 24.
Willy, Walter M. (See Nelson, O. S., and Willy.)
Willys-Morrow Company, The. (See Lozier, William V., assignor.)

Willys-Overland Company, The. (See Baker, Arthur J., assignor.)
Willys-Overland Company, The. (See Baker, A. J., and Huntington, assignors.)
Willys-Overland Company, The. (See Boughton, Solon J., assignor.)
Willys-Overland Company, The. (See Decker, Ward, assignor.)
Willys-Overland Company, The. (See Edwards, Henry J., assignor.)
Willys-Overland Company, The. (See Fisher, Walter S., assignor.)
Willys-Overland Company, The. (See Fleming, Charles A., assignor.)
Willys-Overland Company, The. (See Girard, Arthur G., assignor.)
Willys-Overland Company, The. (See Grimm, George E., assignor.)
Willys-Overland Company, The. (See Huntington, Edward E., assignor.)
Willys-Overland Company, The. (See Knight, Charles Y., assignor.)
Willys-Overland Company, The. (See Sandieson, Patrick R., assignor.)
Willys-Overland Company, The. (See Stockton, William S., assignor.)
Willys-Overland Company, The. (See Strong, William P., assignor.)
Wilmanns, Christopher, Indianapolis, Ind., assignor to Liberty Electric Company. Smoker's stand. 1,807,079; May 26.
Wilmeth, Roscoe H., assignor to Sangamo Electric Company, Springfield, Ill. Electrically-wound clock. 1,787,697; Jan. 6.
Wilmington Fibre Specialty Company. (See Heinel, Harry A., assignor.)
Wilmore, Charles C., Wheatridge, Colo. Sling for moving trees. 1,827,447; Oct. 13.
Wilmot, Charles L., Pittsburgh, Pa. Trolley. 1,826,854; Oct. 13.
Wilmot Engineering Company. (See Richards, Charles F., assignor.)
Wilmot, George W., et al. (See McLean, Harry L., assignor.)
Wilms, Gustav O. (See Bradley, H. L., and Wilms.)
Wilms, Gustav O., and F. F. Loock, Milwaukee, Wis., assignors, by mesne asignments, to The Reliance Company, Wilmington, Del. Electrical switch. 1,804,729; May 12.
Wilmsen, Bernard. (See Kranz, P., and Schmid, assignors.)
Wilputte Coke Oven Corporation. (See Pavitt, William H., assignor.)
Wilsey, Frank E., Chicago, Ill. Fluid-tight packing. 1,818,595; Aug. 11.
Wilsey, Irven H., Chicago, Ill. Document protector. 1,790,452; Jan. 27.
Wilsey, Irven H., Chicago, Ill. Air cleaner. 1,790,890; Feb. 3.
Wilsey, Irven H., Chicago, Ill. Laundry machine. 1,816,033; July 28.
Wilsey, Irven H., Chicago, Ill. Clothes drier. 1,833,631; Nov. 24.
Wilsey, Irvin H., assignor of one-half to J. B. Tuthill, Chicago, Ill. Brick-lifting and transferring mechanism. 1,793,576; Feb. 24.
Wilsey, Irvin H., assignor to J. B. Tuthill, Chicago, Ill. Rotary machinery. 1,793,577; Feb. 24.
Wilsey, Irven H., assignor to J. B. Tuthill, Chicago, Ill. Rotary pump. 1,816,508; July 28.
Wilson, Albert, Chicago, Ill. Type-composition frame. 1,787,769; Jan. 6.
Wilson, Albert A., Minneapolis, Minn., assignor of one-half to Alexander D. Robertson. Shock absorbing mechanism. 1,819,855; Aug. 18.
Wilson, Alexander H., Oak Park, assignor to Thomas Elevator Company, Chicago, Ill. Safety device for elevators. 1,797,034; Mar. 17.
Wilson, Alexander H., Oak Park, assignor to Thomas Elevator Company, Chicago, Ill. Safety brake. 1,816,884; Aug. 4.
Wilson, Alfred E., Kent, England. Jointing of lead or like pipes or sheaths. 1,811,701; June 23.
Wilson, Alfred R., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car roof. 1,831,830; Nov. 17.
Wilson, Almira L. H., Virden, Ill. Closure fastener. 1,811,773; June 23.
Wilson, Almond E., Indianapolis, Ind. Piston ring structure. 1,834,884; Dec. 1.
Wilson, Alvin C., assignor to The Silica Gel Corporation, Baltimore, Md. Constant uniform delivery siphon. 1,826,112; Oct. 6.
Wilson, Amyuit L., Elizabeth, N. J., assignor to Standard Oil Development Company. Steam boiler. 1,830,776; Nov. 10.
Wilson, Archibald E., assignor of one-half to H. C. Hoops, Toronto, Ontario, Canada. Automatic pump. 1,804,192; May 5.
Wilson, Arthur, Wyke, Bradford, England. Combined ophthalmoscope, retinoscope, and slit lamp. 1,795,691; Mar. 10.
Wilson, Ben T. (See Roberts, E. M., jr., and Penman, assignors.)
Wilson & Bennett Manufacturing Company. (See Wilson James H., assignor.)
Wilson, Bingham T., Covina, Calif. Lawn mower sharpener. 1,817,331; Aug. 4.
Wilson Brothers Bobbin Company. (See Wilson, T. S., and Cunliffe, assignors.)
Wilson, Cecil C., Lewiston, Pa. Sausage mixing and stuffing attachment for meat-cutting machines. 1,796,677; Mar. 17.
Wilson, Charles C., Kings Mountain, N. C. Circuit maker and breaker. 1,802,322; Apr. 21.
Wilson, Charles E., Bridgeport, Conn., assignor to General Electric Company. Cable connecter and applying the same. 1,819,938; Aug. 18.
Wilson, Charles E., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Switch. 1,820,264; Aug. 25.
Wilson, Charles G. (See Gille, G. W., and Wilson.)
Wilson, Charles G., assignor to Service Station Equipment Company, Bryan, Ohio. Apparatus for supplying air under pressure. 1,826,975; Oct. 13.
Wilson, Charles L., Birmingham, Ala. Fuse. 1,810,805; June 16.
Wilson, Charles P., jr. (See Jenkins, V. N., and Wilson.)
Wilson, Clarence A., Madison, Wis., assignor, by mesne assignments, to American Face Brick Research Corporation. Brick wall construction and brick. 1,832,074; Nov. 17.
Wilson, Clarence C., assignor to The Compressed Paper Box Corporation, Bridgeport, Conn. Display box. 1,811,164; June 23.
Wilson, Clarence P. (See Jameson, E., Stewart, and Wilson.)
Wilson, Clarence P., Pomona, and E. D. Stewart, Corona, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Food product and making the same. 1,814,994; July 14.
Wilson, Clarence P., Ontario, and D. Nedvidek, Pomona, assignors to California Fruit Growers Exchange, Los Angeles, Calif. Fruit treating apparatus. 1,830,180; Nov. 3.
Wilson, Dillon B. (See Ga Nung, H. D., Smith, and Wilson.)
Wilson, Donald P., assignor to L. M. Decker Co., Omaha, Nebr. Washing machine dolly. 1,812,029; June 30.
Wilson, Earl L., assignor of one-fourth to R. M. Ramsey, Spokane, Wash., and one-half to L. D. Lang, Kellogg, Idaho. Screw jack. 1,795,630; Mar. 10.
Wilson, Earle F., Bay Lake, Fla. Wind motor. 1,808,874; June 9.
Wilson, Edward, St. Louis, Mo. Fluid compressor. Re18,251; Nov. 17.
Wilson, Edward, St. Louis, Mo. Automatically-adjustable seal packing. 1,788,966; Jan. 13.
Wilson, Edward, St. Louis, Mo. Compressor. 1,832,601; Nov. 17.
Wilson, Edward W., assignor to Nashua Sure-Hold Company, Nashua, N. H. Collar shape preserver. 1,814,653; July 14.
Wilson Electric Laboratories. (See Siragusa, Ross D., assignor.)
Wilson, Elihu C., Los Angeles, and J. F. Craven, Eagle Rock, Calif.; said Craven assignor of three-fourths of his interest to said Wilson. Flush tank valve. 1,831,831; Nov. 17.
Wilson, Elizabeth H. R. (See Romig, James E., assignor.)
Wilson, Evan G., Blundellsands, near Liverpool, England. Device for use in stretching skins or the like. 1,820,550; Aug. 25.
Wilson, Frank C., Arcade, N. Y. Safety device for hydraulic presses. 1,809,615; June 9.
Wilson, Frank C., Arcade, N. Y. Chuck. 1,822,685; Sept. 8.
Wilson, Frank J., Alturas, and A. S. Evans, Los Angeles, Calif.; said Wilson assignor to said Evans. Treating metals and treating agent therefor. 1,825,565; Sept. 29.
Wilson, Fred D. (See Beatty, W. T., and Wilson.)
Wilson, Fred D. (See Beatty, W. T., Davis, and Wilson.)
Wilson, Fred D., Harvey, Ill., assignor to Austin Manufacturing Co., Chicago, Ill. Bank sloper. 1,825,434; Sept. 29.
Wilson, Fred D., Harvey, assignor to Austin Manufacturing Co., Chicago, Ill. Four wheel drive road machine. 1,829,622; Oct. 27.
Wilson, Frederick R., Canonsburg, Pa. Road construction. 1,806,778; May 26.
Wilson, Gardiner C., Lockport, N. Y. Molded commutator assembly. 1,813,333; July 7.
Wilson, George F., assignor, by mesne assignments, to American Anode Inc., Akron, Ohio. Subaqueous driving apparatus. 1,794,429; Mar. 3.
Wilson, George F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Impelling apparatus. 1,795,588; Mar. 10.
Wilson, George F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Stuffing box. 1,829,206; Oct. 27.
Wilson, George F., Akron, and W. H. Slabaugh, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Stripping device and method. 1,809,260; June 9.
Wilson, George F., Des Moines, Iowa. Automobile service record and rear-view mirror cover. 1,835,253; Dec. 8.
Wilson, George W., Canfield, Ohio. Dirigible headlight. 1,805,748; May 19.

Wilson, Gordon. (See Stone, J. S., and Wilson.)
Wilson, Guy K. (See Smith, E. F., and Wilson.)
Wilson, Harry F., Sacramento, Calif., assignor of one-half to J. R. Bishop, Van Vleet, Miss. Cotton chopper and cultivator. 1,792,954; Feb. 17.
Wilson, Henry D. (See Brown, Ray W., assignor.)
Wilson, Henry H., Regina, Saskatchewan, Canada, assignor to Stand Oil Development Company. Desulphurizing liquid hydrocarbon. 1,805,444; May 12.
Wilson, Herbert R., Toledo, Ohio. System of column headings. 1,801,031; Apr. 14.
Wilson, Herman B., assignor to The Conklin Pen Company, Toledo, Ohio. Fountain pen desk set. 1,832,170; Nov. 17.
Wilson, Hillsman D., jr., assignor to H. F. Smith, Houston, Texas. Holding ring for manufacture of well screens. 1,808,913; June 9.
Wilson, Horace S., Chicago, Ill. Movable display apparatus. 1,792,521; Feb. 17.
Wilson, Ira J. (See Green, Leslie P., assignor.)
Wilson, J. G., Corporation. (See Dodge, Arthur H., assignor.)
Wilson, J. G., Corporation, The. (See Duncanson, Walter E., assignor.)
Wilson, J. G., Corporation. (See Faidhurst, John T., assignor.)
Wilson, James E., Brooklyn, N. Y. Detachable hanger. 1,791,019; Feb. 3.
Wilson, James E., S. McConnell, and C. Brown, Belfast, Ireland. Making of bread. 1,800,920; Apr. 14.
Wilson, James E., S. McConnell, and C. Brown, Belfast, Ireland. Apparatus for mechanically handling dough during proving. 1,826,537; Oct. 6.
Wilson, James H., Falls Creek, Pa. Plate. Des. 85,220; Sept. 22.
Wilson, James H., assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill. Making can nozzles. 1,793,296; Feb. 17.
Wilson, James M., Louisville, assignor, by mesne assignments, to Reynolds Metals Company, Louisville, Ky. Pipe covering. 1,838,242; Dec. 29.
Wilson, James R., Mountain Lakes, and C. M. Blackburn, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coating thermionic cathodes. 1,809,095; June 9.
Wilson, James S., G. W. Shearer, and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Steaming or aging machine for dyeing, printing and like operations. 1,819,051; Aug. 18.
Wilson, Jay F., jr., Jackson, Calif. Duplex sink partition. 1,817,330; Aug. 4.
Wilson, Jessie E., Akron, Ohio. Curtain stretcher and rug drier. 1,838,601; Dec. 29.
Wilson, John C., Nanpantan, England. Apparatus for cleansing golf and other balls. 1,793,658; Feb. 24.
Wilson, John, et al. (See Johnson, Ernest W., assignor.)
Wilson, John F. (See Earl, H. J., and Wilson.)
Wilson, John F., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Hood catch. 1,798,921: Mar. 31.
Wilson, John F., assignor to General Motors Corporation, Detroit, Mich. Deck doorlock. 1,805,445; May 12.
Wilson, John H. (See Giguere, Rosario, assignor.)
Wilson, John H., Coffee Creek, Mont. Tank for combined harvesters and thrashers. 1,797,462; Mar. 24.
Wilson, John H., assignor to Aluminum Cooking Utensil Company, New Kensington, Pa. Cooking utensil. 1,796,678; Mar. 17.
Wilson, John H., New Kensington, and I. W. Wood, Parnassus, assignors to Aluminum Cooking Utensil Company, New Kensington, Pa. Cooking utensil and method of manufacture. 1, 788,817; Jan. 13.
Wilson, John L., Wisner, La. Filler strip for drop center wheel rims. 1,820,857; Aug. 25.
Wilson, John M., Normandy, Mo., assignor to Federal Piston Ring Co., St. Louis, Mo. Piston ring. 1,798,509; Mar. 31.
Wilson, John N., Washington, Pa., assignor to Simplex Engineering Company. Leer for annealing glassware. 1,836,054; Dec. 15.
Wilson, John W., assignor to Link-Belt Company, Chicago, Ill. Conveyer-trough driving connection. 1,800,489; Apr. 14.
Wilson-Jones Company. (See Burgoyne, John L., assignor.)
Wilson-Jones Company. (See Dawson, George H., assignor.)
Wilson-Jones Company. (See Hamilton, Roy E. ,assignor.)
Wilson-Jones Company. (See Irving, Clarence B., assignor.)
Wilson-Jones Company. (See Murphy, Edward B., assignor.)
Wilson-Jones Co. (See Newman, George W., assignor.)
Wilson-Jones Company. (See Van Valkenburgh, R. M., and Cederleaf, assignors.)
Wilson, Joseph H., Lookout Mountain, Tenn., assignor to Scott and Williams, Inc., New York, N. Y. Knitted fabric. 1,816,709; July 28.
Wilson, Kenneth W., St. Louis, Mich. Airplane ornament for motor cars. 1,824,003; Sept. 22.
Wilson, Lee M., Los Angeles, Calif. Operating support. 1,811,036; June 23.
Wilson, Leroy A., Salt Lake City, Utah. Metallurgical process. 1,829,124; Oct. 27.
Wilson, Lorne M., assignor to B. Lichtig & Son, Inc., Oakland, Calif. Garment-hanger support. 1,799,190; Apr. 7.
Wilson, Louis C., et al. (See Sandstrom, Carl E., assignor.)
Wilson, Loyal V., Summit, Oreg. Churn. 1,788,901; Jan. 13.
Wilson, Lyndon F., Chicago, Ill. Combined compass and light. 1,819,310; Aug. 18.
Wilson-Maeulen Company. (See Horn, Sidney C., assignor.)
Wilson, Malcolm. (See Dallas, J. C., and Wilson.)
Wilson, Mildred L., and E. Pond, San Francisco, Calif. Display apparatus. 1,837,743; Dec. 22.
Wilson, Moses W. H., East Lansing, assignor to Motor Wheel Corporation, Lansing, Mich. Means for assembling wire wheels. 1,791,781; Feb. 10.
Wilson, Murray L., Shreveport, La. Graduated envelope or flexible container. 1,810,806; June 16.
Wilson, Oscar, San Francisco, Calif. Folding closure for tobacco pouches. 1,787,710; Jan. 6.
Wilson, Oscar C., assignor of one-half to C. W. Leister, Erlanger, N. C. Cam construction. 1,801,215; Apr. 14.
Wilson, Ralph W. (See Most, L. J., and Wilson.)
Wilson, Ralph W., New York, N. Y., and W. T. Parkin, assignors to Theodore W. Foster & Bro. Co., Providence, R. I. Vanity case. 1,802,858; Apr. 28.
Wilson Rings Company. (See Wilson, Wylie G., assignor.)
Wilson, Robert E. (See Hunneman, R. D., Rogers, and Wilson.)
Wilson, Robert E., Cambridge, Mass. Apparatus for measuring the temperature of gases. 1,791,020; Feb. 3.
Wilson, Robert E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Antiknock compound. 1,815,753; July 21.
Wilson, Robert E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Valve. 1,825,378; Sept. 29.
Wilson, Robert E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Prediluted lubricating oil. 1,831,053; Nov. 10.
Wilson, Robert J., Portland, Oreg. Automatic crossing gate. 1,830,011; Nov. 3.
Wilson, Robert J., Seattle, Wash. Adjustable propeller. 1,832,075; Nov. 17.
Wilson, Roger V. (See Dean, R. S., and Wilson.)
Wilson, Roger V., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Heat treating metal parts. 1,815,691; July 21.
Wilson, Rollin V., Memphis, assignor of one-half to S. L. Franklin, Knoxville, Tenn. Automatic change machine. 1,813,720; July 7.
Wilson, Ronald M., West Chester, Pa., assignor to The Huffman Manufacturing Company, Dayton, Ohio. Railway track signal. 1,827,633; Oct. 13.
Wilson, Samuel A., Spokane, Wash. Garment-hanger clip. 1,799,717; Apr. 7.
Wilson, Silvestre F., Oakland, Calif. Garment hanger. Des. 84,612; July 7.
Wilson-Snyder Manufacturing Company. (See Shimer, John M., assignor.)
Wilson, Stanton D., St. Louis, Mo. Blank and chart for making numerals. 1,797,035; Mar. 17.
Wilson, Stephen G., Philadelphia, Pa. Broom tensioning device. 1,824,582; Sept. 22.
Wilson, Stephen G., Philadelphia, assignor of one-fourth to J. L. Manning, Ardmore, one-fourth to Hugo W. Zintner, Philadelphia, Pa., and one-fourth to P. C. Klingler, Riverside, N. J. Whisk. 1,834,909; Dec. 1.
Wilson, Steven B., Newton, Mass. Thread cutting die. 1,832,840; Nov. 17.
Wilson, Theodore R., assignor to Micklin Lumber Company, Omaha, Nebr. Corner piece for frame strips. 1,820,205; Aug. 25.
Wilson, Theodore R., assignor to Micklin Lumber Company, Omaha, Nebr. Fastening corner frame strips. 1,820,206; Aug. 25.
Wilson, Thomas C., Brooklyn, and R. J. Petty, New York, N. Y., assignors to Liquid Fuel Cutting & Welding Torch Corporation. Liquid-fuel-burning torch. 1,796,776; Mar. 17.
Wilson, Thomas S., and W. Cunliffe, assignors to Wilson Brothers Bobbin Company, Limited, Garston, Liverpool, England. Shuttle for looms. 1,800,770; Apr. 14.
Wilson, Tom, Homestead, Pa. Lubricating system. 1,805,609; May 19.
Wilson, Victor R., Melbourne, Australia, assignor to Michell-Crankless Engines Corporation, New York, N. Y. Crankless mechanisms. 1,813,981; July 14.
Wilson, Walter C., Monrovia, Calif. Device for cleaning air. 1,838,511; Dec. 29.
Wilson, Walter C., Monrovia, Calif. Cleaning air. 1,838,512; Dec. 29.
Wilson, Walter C., Monrovia, Calif. Air cleaner. 1,838,513; Dec. 29.
Wilson, Walter G., Westminster, London, England. Epicyclic gear. 1,796,904; Mar. 17.
Wilson Welder & Metals Company. (See Stewart, Sigmund S., assignor.)
Wilson, West W., St. Louis, Mo. Aeroplane and automobile stove. 1,792,721; Feb. 17.
Wilson-Weston Sporting Goods Company. (See Levinson, David, assignor.)

Wilson, William, New York, N. Y. House-boat construction. 1,788,264; Jan. 6.
Wilson, William, New York, N. Y. Sectional hull structure for house-boats or the like. 1,810,742; June 16.
Wilson, William B., Chicago, Ill. Multiple-map holder. 1,796,174; Mar. 10.
Wilson, William B., Los Angeles, Calif., assignor, by mesne assignments, to Metlox Corporation, Ltd. Display sign. 1,803,884; May 5.
Wilson, William C., trustee. (See Wilson, William C., assignor.)
Wilson, William C., Hyde Park, Mass., assignor to W. C. Wilson, Boston, Mass., trustee. Preparing finely-divided metals or metal-metal compounds and resulting product. 1,792,262; Feb. 10.
Wilson, William C., Chicago, Ill., assignor to J. S. Stokes, Huntingdon Valley P. O., Pa. Reducing the viscosity of nitrocellulose solutions. 1,795,918; Mar. 10.
Wilson, William H. (See Mitchell, Richard S. M., assignor.)
Wilson, William H., Los Angeles, Calif. Sectional fireproof ceiling structure. 1,818,443; Aug. 11.
Wilson, William S., et al. (See Sandstrom, Carl E., assignor.)
Wilson, William S., assignor of fifty per cent to S. W. Frazier, Washington, D. C. Advertising apparatus. 1,823,075; Sept. 15.
Wilson, William W., Los Angeles, Calif. Rotary well-boring apparatus. 1,795,693; Mar. 10.
Wilson, William W., Sioux City, Iowa, assignor to Kari-Keen Manufacturing Company, Inc. Luggage carrier for automobile bodies. 1,838,344; Dec. 29.
Wilson, Wylie G., Elizabeth, N. J. Sealing ring for joints. 1,821,862; Sept. 1.
Wilson, Wylie G., Elizabeth, N. J. Fluid tight joint and making. 1,821,863; Sept. 1.
Wilson, Wylie G., Elizabeth, N. J. Fluid tight joint and making. 1,821,864; Sept. 1.
Wilson, Wylie G., Elizabeth, N. J. Fluid tight joint and making. 1,821,865; Sept. 1.
Wilson, Wylie G., Elizabeth, N. J. Fluid tight joint and making. 1,821,866; Sept. 1.
Wilson, Wylie G., Elizabeth, N. J. Joint structure for pipes and the like. 1,821,867; Sept. 1.
Wilson, Wylie G., Jersey City, N. J., assignor to Everlasting Valve Company. Operating the sealing element of gate valves. 1,797,490; Mar. 24.
Wilson, Wylie G., assignor to Everlasting Valve Company, Jersey City, N. Y. Angle blow-off valve. 1,793,659; Feb. 24.
Wilson, Wylie G., assignor to Wilson Rings Company, Jersey City, N. J. Valve. 1,800,127; Apr. 7.
Wilt, Elmer Ellsworth, Chicago, Ill. Tray for suitcases. Des. 83,296; Feb. 10.
Wilt, John J., Bakersfield, Calif. Liquid gauge. 1,794,815; Mar. 3.
Wilt, Robert L., and S. F. Rebora, Chicago, Ill. Combination cigarette holder and lighter. 1,802,489; Apr. 28.
Wiltse, Jerome A., assignor to The Vibrachek Company, Fremont, Nebr. Vibration reducing device. 1,819,665; Aug. 18.
Wiltse, Sumner, Detroit, Mich. Filter and making the same. 1,790,036; Jan. 27.
Wily, James H., Bethlehem, Pa. Bit connection for bladed tools. 1,799,204; Apr. 7.
Wily, James H., Bethlehem, Pa. D-handle. 1,819,142; Aug. 18.
Wimmer, Josef. (See Mugdan, M., and Wimmer.)
Wimmer, Leopold, Muskegon, Mich. Top relief valve for sulphite digesters. 1,808,092; June 2.
Winans, Daniel M., Binghamton, N. Y. Door aligning and antirattle device. 1,829,916; Nov. 3.
Winans, Daniel M., Binghamton, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Mirror-scope for vehicles. 1,792,671; Feb. 17.
Winans, Daniel M., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Door buffer and retainer. 1,807,113; May 26.
Winans, Daniel M., Binghamton, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Control shutter for engine radiator. 1,809,616; June 9.
Winans, William E., Harrisburg, Pa. Mounting for the tooth rest of cutter grinders. 1,834,815; Dec. 1.
Winans, William E., Harrisburg, Pa. Mounting for the tooth rest of cutter grinders. 1,834,816; Dec. 1.
Winchell, Laurence J., Newkirk, Okla., assignor of one-fourth to I. D. Mollett, Manhattan, Kans. Portable saw and power attachment. 1,822,329; Sept. 8.
Winchester, Guinevere, Los Angeles, Calif. Combined table lamp and light screen. Des. 83,418; Feb. 17.
Winchester, Guinevere, Los Angeles, Calif. Combined table lamp and light screen. Des. 83,885; Apr. 7.
Winchester, Lucius. (See Crane, Clifford M., assignor.)
Winchester Repeating Arms Company. (See Burton, Frank F., assignor.)
Winchester Repeating Arms Company. (See Marshall, James E., assignor.)
Winchester Repeating Arms Company. (See McNutt, Joseph D., assignor.)
Winchester Repeating Arms Co. (See Stiennon, Louis, assignor.)
Winchester, Wiliam E., Los Angeles, Calif., assignor to Chem-Electric Engineering Corporation. Self-freeing electric separator. 1,822,074; Sept. 8.
Winckler, Walter T., assignor to The Von Winkler Laboratories, Inc., Chicago, Ill. Making silver salt of amino sulphonated castor oil. 1,809,770; June 9.
Wind, Peter S., San Francisco, Calif. Snap on milk can cover. 1,824,318; Sept. 22.
Windber Manufacturing Company. (See Frailey, Irvin H., assignor.)
Winder, Francis J. (See Winder, William A., assignor).
Winder, Frank J., Brackenridge, Pa., assignor to Allegheny Steel Company. Continuous heating furnace. 1,793,037; Feb. 17.
Winder, William A., Portland, Oreg. High pressure leak detector for autos. 1,825,839; Oct. 6.
Winder, William A., assignor of one-third to F. J. Winder, Portland, Oreg. Hook. 1,824,941; Sept. 29.
Windle, Edward H., assignor to The Lincoln Electric Company, Cleveland, Ohio. Automatic speed control. 1,814,577; July 14.
Window Glass Machine Company. (See Monro, William L., jr., assignor.)
Window Glass Machine Company. (See Zeh, Howard, assignor.)
Windsor Mills, Inc., The. (See Brown, Thomas H., assignor.)
Wine Railway Appliance Company. (See Ellis, E. C., and Maddox, assignors.)
Wine Railway Appliance Company. (See Hankins, C., and Christian, assignors.)
Wine Railway Appliance Company. (See Wine, William E., assignor.)
Wine Railway Appliance Company, The. (See Wine, W. E., and Promenschenkel, assignors.)
Wine, William E., Toledo, Ohio. Hopper-car-door-securing means. 1,790,295; Jan. 27.
Wine, William E., Toledo, Ohio. Car-door mechanism. 1,790,296; Jan. 27.
Wine, William E., Toledo, Ohio. Brace and cross bearer for freight cars. 1,799,270; Apr. 7.
Wine, William E., Toledo, Ohio. Cross bearer. 1,803,449; May 5.
Wine, William E., Toledo, Ohio. Railway car. 1,811,448; June 23.
Wine, William E., Toledo, Ohio. Cross bearer. 1,818,370; Aug. 11.
Wine, William E., Toledo, Ohio. Railway car. 1,822,835; Sept. 8.
Wine, William E., Toledo, Ohio. Hopper car. 1,822,836; Sept. 8.
Wine, William E., Toledo, Ohio. Railway hopper car door frame. 1,824,645; Sept. 22.
Wine, William E., Toledo, Ohio. Car door mechanism. 1,834,263; Dec. 1.
Wine, William E., Toledo, Ohio. Cross bearer. 1,834,264; Dec. 1.
Wine, William E., Washington, D. C. Making volute springs. 1,802,299; Apr. 21.
Wine, William E., Toledo, Ohio, and G. B. Christian, Washington, D. C., assignors to Wine Railway Appliance Company, Toledo, Ohio. Railway car. 1,810,454; June 16.
Wine, William E., and J. W. Promenschenkel, assignors to The Wine Railway Appliance Company, Toledo, Ohio. Traction wheel. 1,793,985; Feb. 24.
Winegar, Edmund, Willoughby, and J. C. Shutt, Wickliffe, assignors to The Willoughby Mfg. Co., Willoughby, Ohio. Door holder. 1,827,634; Oct. 13.
Wineland, Emery E., College View, Nebr. Roof-climbing device. 1,789,798; Jan. 20.
Wineler, Stephen, assignor of two-thirds to L. H. Lehman and L. Edelson, Philadelphia, Pa. Oil burner. 1,797,537; Mar. 24.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Forging machine. 1,820,207; Aug. 25.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Forging machine. 1,820,208; Aug. 25.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Loading machine. 1,834,584; Dec. 1.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Lubricating device. 1,834,600; Dec. 1.
Winer, James F., Miami, and N. N. Mayo, Ocala, Fla. Sign. 1,814,995; July 14.
Winfield-Smith, Stephen C., assignor to Burovox, Limited, London, England. Telephone system. 1,838,586; Dec. 29.
Wing, Clarence G., assignor to John C. Virden Company, Cleveland, Ohio. Lighting fixture. Des. 83,935; Apr. 14.
Wing, Clarence G., assignor to John C. Virden Company, Cleveland, Ohio. Lighting fixture. Des. 84,122; May 5.
Wing, Clarence G., assignor to John C. Virden Company, Cleveland, Ohio. Lighting fixture. Des. 84,123; May 5.
Wing, Clarence G., assignor to John C. Virden Company, Cleveland, Ohio. Lighting fixture. Des. 84,174; May 12.
Wing, Clarence G., assignor to John C. Virden Company, Cleveland, Ohio. Lighting fixture. Des. 85,628; Nov. 24.
Wing, Clarence G., assignor to John C. Virden Company, Cleveland, Ohio. Lighting fixture. Des. 85,629; Nov. 24.

Wing, Frederick B., Waterville, Me. Generator truck and hoist. 1,801,707; Apr. 21.
Wingard, Charles L., Portland, Oreg. Broom construction. 1,814,201; July 14.
Wingate, Clayton B., Albany, assignor to Glascock Brothers Manufacturing Company, Muncie, Ind. Bottle cooler. 1,816,455; July 28.
Winget, Adrian, Wapakoneta, Ohio. Wall construction. 1,814,202; July 14.
Wingler, August. (See Schulemann, W. Wingler, and Schönhöfer.)
Wingler, August, Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Aromatic n-amino-alkyl-amino aldehydes. 1,807,720; June 2.
Wingquist, Sven G., Gottenborg, Sweden. Hydraulic power transmission. 1,825,435; Sept. 29.
Wingquist, Sven G., Gottenborg, Sweden. Packing device. 1,826,914; Oct. 13.
Wininger, Benjamin F., Los Angeles, Calif. Turnstile. 1,799,665; Apr. 7.
Winkelmann, Henry F., Nebraska City, Nebr. Insulating material. 1,822,636; Sept. 8.
Winkelmann, Robert, Heathside, Hertford Heath, Hertford, Great Britain. Automatic stop for gramophones. 1,815,536; July 21.
Winkelmüller, Karl, Leipzig, Germany. Furnace for smoking goods such as fish, meat, sausage, and the like. 1,813,008; July 7.
Winkler, Alfred, and M. Dünnebier, Neuwied, Germany. Process and apparatus for applying closures to hollow chocolate bodies. 1,790,361; Jan. 27.
Winkler, Alfred, and M. Dünnebier, Neuwied, Germany. Apparatus for the withdrawal of sheets or the like. 1,808,586; June 2.
Winkler, Alfred, and M. Dunnebier, Neuwied, Germany. Apparatus for insertion or assembly of paper sheets. 1,833,311; Nov. 24.
Winkler, Alfred, and M. Dünnebier, Neuwied-on-the-Rhine, Germany. Apparatus for feeding blanks to envelope making or like machines. 1,834,564; Dec. 1.
Winkler, Alfred, and M. Dünnebier, Neuwied-on-the-Rhine, Germany. Blank feeding and folding apparatus. 1,834,565; Dec. 1.
Winkler, Alfred, and M. Dünnebier, Neuwied-on-the-Rhine, Germany. Apparatus for removing and simultaneously folding sheets from a stack. 1,834,566; Dec. 1.
Winkler, Alfred, and M. Dünnebier, Neuwied-on-the-Rhine, Germany. Method of and apparatus for drying the closure flap gumming of envelopes and the like. 1,834,567; Dec. 1.
Winkler, Alfred, and M. Dünnebier, Neuwied-on-the-Rhine, Germany. Apparatus for removing sheets from a stack. 1,834,568; Dec. 1.
Winkler, Alfred, and M. Dünnebier, Neuwied-on-the-Rhine, Germany. Roller folding machine for the manufacture of envelopes. 1,834,664; Dec. 1.
Winkler, Alfred, and M. Dünnebier, Neuwied, Germany. Roller machine for the manufacture of envelopes. 1,836,145; Dec. 15.
Winkler, Carl, Bern, Switzerland. Producing packing for the impression cylinder of printing machines. 1,831,761; Nov. 10.
Winkler, Carl, assignor to Maschinenfabrik Winkler, Fallert & Co., A. G., Bern, Switzerland. Late news device for rotary printing machines. 1,824,646; Sept. 22.
Winkler, Carl, Bern, assignor to "Winklor" Matem & Stereo A. G., Glarus, Switzerland. Machine for casting stereo-plates. 1,802,300; Apr. 21.
Winkler, Carl, Bern, assignor to Winklor Matera & Stereo A. G., Glarus, Switzerland. Driving gear of machines for casting stereotype plates. 1,810,875; June 16.
Winkler, Carl J. (See Schwitzer, L., and Winkler.)
Winkler, Frederic C., Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Light fixture hanger. Des. 84,909; Aug. 18.
Winkler, Frederic C., Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Globe. Des. 85,800; Dec. 15.
Winkler, Fridolin, Villingen, Germany. Process and apparatus for the shaping of lumps of dough. 1,804,296; May 5.
Winkler, Fritz, and C. Messerknecht, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cracking oils. 1,838,893; Dec. 29.
Winkler, George W., Grantwood, N. J. Salvaging apparatus for sunken ships. 1,828,694; Oct. 20.
Winkler, Louis G., and B. F. Kelly, Indianapolis, Ind. Mounting and support for rear view mirrors. 1,823,636; Sept. 15.
Winkler Matera & Stereo A. G. (See Winkler, Carl, assignor.)
Winkler, Richard G., Springfield, Mass. Razor. 1,824,252; Sept. 22.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method for use in the manufacture of shoes. 1,790,191; Jan. 27.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-pressing machine. 1,790,192; Jan. 27.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for operating upon soles. 1,794,430; Mar. 3.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Perforating machine. 1,807,679; June 2.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,827,378; Oct. 13.
"Winklor" Matem & Stereo A. G. (See Winkler, Carl, assignor.)
Winn, Sidney B., Lapeer, Mich. Tractor actuated dump body trailer. 1,831,154; Nov. 10.
Winn, Wesley E., San Francisco, Calif. Pin-paper magazine. 1,787,848; Jan. 6.
Winne, Harry A., Schenectady, N. Y., assignor to General Electric Company. Motor control system. 1,812,818; June 30.
Winne, Harry A., Schenectady, N. Y., assignor to General Electric Company. System of electric control. 1,815,754; July 21.
Winne, Lansing F., Nyack, N. Y. Automobile door protector. 1,810,510; June 16.
Winne, Louis A., Wilmington, Del. Device for testing speedometers. 1,790,128; Jan. 27.
Winner, Francis G. (See Winner, Grant and F. G.)
Winner, Grant, and F. G., Palo Alto, Calif. Heating or cooling device. 1,798,290; Mar. 31.
Winner, Hudson T., Trenton, N. J. Hoisting truck. 1,826,973; Oct. 13.
Winnewisser, Emil A., assignor to The Prosperity Company Inc., Syracuse, N. Y. Actuating mechanism for pressing machines. 1,823,181; Sept. 15.
Winnewisser, Emil A., assignor to The Prosperity Company Inc., Syracuse, N. Y. Work holding means for pressing machines. 1,835,254; Dec. 8.
Winniford, Louise. (See Kelley, B. L., and Winniford.)
Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Co., Milwaukee, Wis. Control mechanism. 1,797,745; Mar. 24.
Winning, Robert K., Wauwatosa, Wis., assignor by mesne assignments, to Dudley Lock Corporation, Chicago, Ill. Permutation lock. 1,809,367; June 9.
Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Ignition switch, contact carrier and actuator. 1,809,368; June 9.
Winning, Robert K., Wauwatosa, Wis., assignor to Clum Manufacturing Company, Milwaukee, Wis. Control switch circuit for automobiles. 1,809,434; June 9.
Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Steering column switch. 1,810,994; June 23.
Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Handle connection. 1,837,004; Dec. 15.
Winning, Robert K., assignor to Clum Manufacturing Company, Milwaukee, Wis. Switch barrel and the like and method for its manufacture. 1,809,369; June 9.
Winninghoff, Wilford J. (See Mailey, R. D., and Winninghoff.)
Winninghoff, Wilford J., East Orange, N. J., assignor to General Electric Vapor Lamp Company. Electron tube. 1,799,345; Apr. 7.
Winninghoff, Wilford J., East Orange, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Vapor arc apparatus. 1,831,985; Nov. 17.
Winninghoff, Wilford J., South Orange, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Vapor arc apparatus. 1,831,986; Nov. 17.
Winnsboro Mills. (See Jury, Alfred E., assignor.)
Winny, Franz, Stuttgart-Betnang, assignor to the Firm: Julius Geiger G. m. b. H., Stuttgart, Germany. Gauge. 1,816,244; July 28.
Winship, Albert W., assignor to Berg-Winship, Inc., Utica, N. Y. Wardrobe hand carrying case. 1,788,139; Jan. 6.
Winship, Albert W., assignor to Berg-Winship, Inc., Utica, N. Y. Dress suspending and carrying device. 1,807,267; May 26.
Winship, Benjamin W., and W. T. Harder, Steelton, Pa., assignors to Bethlehem Steel Company. Valve. 1,820,587; Aug. 25.
Winship, Emory. (See Knight, George D., assignor.)
Winship, Ross, Valparaiso, Ind. Folding shoe blacking kit. 1,828,854; Oct. 27.
Winskill, Christopher, Vancouver, British Columbia, Canada. Barrel. 1,822,791; Sept. 8.
Winslow Boiler and Engineering Company. (See Poole, J. L., and Rudolf, assignors.)
Winslow, Charles A. (See Hall, E. J., and Winslow.)
Winslow, Charles A., Vallejo, Calif. Filtering pump and the like. 1,821,535; Sept. 1.
Winslow, Charles A., Vallejo, and E. J. Hall, Berkeley, Calif. Air cleaner. 1,798,510; Mar. 31.
Winslow, Edward N., Shaker Heights, assignor to The Mills Company, Cleveland, Ohio. Sheet-metal panel. 1,797,706; Mar. 24.
Winslow, Ivanhoe, Sheridan, Mont. Adjustable halter. 1,796,698; Mar. 17.
Winsor, Clifford S., Binghamton, assignor to International Time Recording Company, New York, N. Y. Cleaner for sanding machines. 1,791,917; Feb. 10.
Winsor, Irwin B., Tulsa, Okla. Valve. 1,801,383; Apr. 21.
Winsor & Jerauld Mfg. Co. (See MacKnight, Harry A., assignor.)
Winsor, Roy J., Bucyrus, Ohio. Steering means and axle assembly for vehicles. 1,826,113; Oct. 6.
Winstanley, Albert. (See Winstanley, Thomas and A.)

Winstanley, Thomas, Levenshulme, Manchester, and A. Winstanley, St. Annes-on-the-Sea, England. Warp moistening device for looms. 1,801,830; Apr. 21.
Winstead, William F., New Orleans, La. Tractor. 1,814,996; July 14.
Winston, James, Elizabeth, N. J. Metal-stair construction. 1,796,175; Mar. 10.
Winston, John C., Company, The. (See Stevens, E. D., and Stradling, assignors.)
Winter, August P., Winnipeg, Manitoba, Canada. Driving belt controlling device. 1,814,016; July 14.
Winter, Daniel B. (See Olley, E. A., and Winter.)
Winter, Fred H., Schenectady, N. Y., assignor to General Electric Company. Electrical regulator. 1,788,222; Jan. 6.
Winter, H. G. A. (See Davis, Glenwood, assignor.)
Winter, Harry J., London, England, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake for airplanes. 1,824,062; Sept. 22.
Winter, Henry A., Denver, Colo. Combined hinge and lock for dump bodies. 1,837,308; Dec. 22.
Winter, Ireal A., Birmingham, and A. M. Kennedy, Tuscaloosa, Ala. Flow indicator for hydraulic turbine. 1,831,218; Nov. 10.
Winter, Joseph W., Penfield, Pa., assignor to Master Domestic Refrigerating Company, Inc., Conshohocken, Pa. Valve. 1,795,815; Mar. 10.
Winter, Joseph W., Penfield, Pa., assignor to Master Domestic Refrigerating Company, Inc., Conshohocken, Pa. Thermostatic snap control. 1,811,287; June 23.
Winter, Joseph W., Penfield, assignor to John Wood Manufacturing Company, Conshohocken, Pa. Thermostatically operative valve. 1,819,993; Aug. 18.
Winter, Leon A., Mason City, Iowa. Fish lure. 1,832,172; Nov. 17.
Winter, Murray, Wrentham, assignor, by mesne assignments, to The Sentry Company, Taunton, Mass. Heating steel for hardening. 1,812,837; June 30.
Winter, Oskar. (See Condé, M., and Winter.)
Winter, Otto R. (See Upson, C. A., and Winter.)
Winter, William H., Boyden, Iowa. Automatic oscillating windstacker hood. 1,836,421; Dec. 15.
Winter, William R., Los Angeles, Calif. Self-igniting cigar or cigarette. 1,787,650; Jan. 6.
Winterbauer, Henry T. (See Campbell, R. L., and Winterbauer.)
Winterberger, Joseph. (See Colberg, G. A., Harrison, and Winterberger.)
Winterhalter, Cornelius, Le Locle, Switzerland. Watch-case. 1,813,009; July 7.
Winterhalter, Martin, Halle-on-the-Saale, Germany. Sliding clasp fastening. 1,810,807 · June 16.
Winterhoff, Herman E., assignor to Leedy Manufacturing Company, Indianapolis, Ind. Musical element. 1,813,832; July 7.
Wintermute, Harry A. (See Hedberg, C. W. J., and Wintermute.)
Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitator. 1,791,338; Feb. 3.
Wintermute, Harry A., New York, N. Y., and C. W. J. Hedberg, Middlesex Boro, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitator. 1,798,511; Mar. 31.
Wintermute, Harry A., Plainfield, and C. W. J. Hedberg, Middlesex, N. J., assignors to Research Corporation, New York, N. Y. Electrical precipitation apparatus. 1,798,964; Mar. 31.
Winters, Charles. (See Jensen, L., and Winters.)
Winters & Crampton Mfg. Co. (See Ekman, Andrew, assignor.)
Winters & Crampton Manufacturing Company. (See Geske, Carl, assignor.)
Winters, Orval C., Youngstown, Ohio. Crusher. 1,819,583; Aug. 18.
Winters, Roger, assignor of twenty-three and one-third per cent to E. C. Dunlap and twenty per cent to J. F. Dunlap, jr., Philadelphia, Pa. Loaded check valve. 1,795,749; Mar. 10.
Winther, Anthony, Kenosha, Wis., and M. P. Winther, Waukegan, Ill., assignors to The Winther Company, Wilmington, Del. Transmission. 1,817,660; Aug. 4.
Winther, Martin P. (See Winther, Anthony, and M. P.)
Winther Company, The. (See Winther, Anthony, and M. P., assignor.)
Winther Company, The. (See Winther, Martin P., assignor.)
Winther, Martin P., Waukegan, assignor to Pullman Car & Manufacturing Corporation, Chicago, Ill. Generator axle-drive. 1,804,193; May 5.
Winther, Martin P., Chicago, Ill., assignor to The Winther Company, Wilmington, Del. Power translator. 1,836,298; Dec. 15.
Winthrop Chemical Company. (See Albert, August, assignor.)
Winthrop Chemical Company. (See Albert A., and Pfleger, assignors.)
Winthrop Chemical Company. (See Bollmann, Martin, assignor.)
Winthrop Chemical Company. (See Brodersen, K., and Ext, assignors.)
Winthrop Chemical Company. (See Callsen, Jürgen, assignor.)
Winthrop Chemical Company. (See Desamari, Kurt, assignor.)
Winthrop Chemical Company. (See Eisleb, Otto, assignor.)
Winthrop Chemical Company. (See Hahl, Hans, assignor.)
Winthrop Chemical Company. (See Kalischer, G., and Scheyer, assignors.)
Winthrop Chemical Company. (See Kayser, F., and Schranz, assignors.)
Winthrop Chemical Company. (See Klarer, J., and Mietzsch, assignors.)
Winthrop Chemical Company. (See Knorr, A., and Weissenborn, assignors.)
Winthrop Chemical Company. (See Kolle, W., Hallensleben, Streitwolf, and Bauer, assignors.)
Winthrop Chemical Company. (See Ludwig, W., and Schaumann, assignors.)
Winthrop Chemical Company. (See Lutenschläger, C. L., Bockmühl, Ehrhart, and Schwarz, assignors.)
Winthrop Chemical Company. (See Mellin, Max, assignor.)
Winthrop Chemical Company. (See Mietsch, F., and Klös, assignors.)
Winthrop Chemical Company. (See Schmidt, Albrecht, assignor.)
Winthrop Chemical Company. (See Schmidt, Werner, assignor.)
Winthrop Chemical Company. (See Schulemann, W., Wingler, and Schönhöfer, assignors.)
Winthrop Chemical Company. (See Spengler, O., and Pfannenstiel, assignors.)
Winthrop Chemical Company. (See Streitwolf, K., and Fehrle, assignors.)
Winthrop Chemical Company. (See Wesche, H., Brodersen, and Ext, assignors.)
Winthrop Chemical Company. (See Wesenberg, Georg, assignor.)
Winthrop Chemical Company. (See Wesenberg, G., and Bischkopff, assignors.)
Winthrop Chemical Company. (See Wingler, August, assignor.)
Winthrop Chemical Company Inc. (See Jensch, Heinrich, assignor.)
Winton, Alexander, Lakewood, Ohio. Injection nozzle. 1,790,781; Feb. 3.
Winton, Alexander, Lakewood, Ohio. Injection valve means. 1,811,601; June 23.
Winton Engine Company, The. (See Salisbury, Carl D., assignor.)
Winton, Henry D., Wellesley, assignor to Hersey Manufacturing Company, Boston, Mass. Meter system. 1,823,308; Sept. 15.
Winton, Lewis B., Greenwich, Conn., assignor, by mesne assignments, to American Sealcone Corporation, New York, N. Y. Perforating containers. 1,825,840; Oct. 6.
Winton, Lewis B., Greenwich, Conn., assignor, by mesne assignments, to American Sealcone Corporation, New York, N. Y. Receptacle heading apparatus. 1,837,246; Dec. 22.
Wintringham, William T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Power limiting apparatus. 1,806,657; May 26.
Wintringham, William T., Brooklyn, N. Y., assignor to American Telephone & Telegraph Company. Compression of frequency range. 1,821,997; Sept. 8.
Wintringham, William T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Electrical switching device. 1,824,857; Sept. 29.
Wintringham, William T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Adjustable electric filter system. 1,830,896; Nov. 10.
Wintroath, John A., assignor to Peerless Pump Company, Los Angeles, Calif. Applying tension on shaft inclosing tubing. 1,810,332; June 16.
Wintroath, John A., Los Angeles, Calif., assignor of one-half to E. D. Smith, Chicago, Ill., and one-half to Wintroath Pumps, Ltd., Alhambra, Calif. High pressure pump head. 1,810,333; June 16.
Wintroath, John A., assignor to Peerless Pump Co., Los Angeles, Calif. Shaft positioning device. 1,814,537; July 14.
Wintroath, John A., assignor to Peerless Pump Company, Los Angeles, Calif. Tubing tensioning device. 1,814,538; July 14.
Wintroath Pumps, Ltd., et al. (See Wintroath, John A., assignor.)
Wintrob, Jacob M., Philadelphia, Pa. Combined valance board, support and curtain rod bracket. 1,818,776; Aug. 11.
Wintrob, Jacob M., Philadelphia, Pa. Drapery fixture. 1,824,385; Sept. 22.
Wintterlin, Karl, Cologne, assignor to Motorenfabrik Deutz, Aktiengesellschaft, Cologne-Deutz, Prussia, Germany. Gearing device for internal combustion multi-cylinder oil engines. 1,829,078; Oct. 27.
Wintz, George E., New York, N. Y. Talking billboard. 1,804,297; May 5.
Wintzer, Rudolph. (See Nordberg, B. V. E., and Wintzer.)
Wintzer, Rudolph, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Steam engine valve. 1,820,588; Aug. 25.
Winzer, Curt, Halberstadt, Germany. Machine for forming wafer cornets. 1,800,852; Apr. 14.
Winzig, Charles J. (See Stockwell, S. E., Murdock, Winzig, and Morris.)

Wippel, Julius F., Indianapolis, Ind. Wire cutter. 1,791,608; Feb. 10.
Wippermann, Robert J. (See Webber, W. P., and Wippermann, assignors.)
Wire Novelty Manufacturing Company, The. (See Domkee, John H., assignor.)
Wire Novelty Manufacturing Company, The. (See Domkee, John M., assignor.)
Wire Novelty Manufacturing Company, The. (See Heather, George B., assignor.)
Wired Radio, Inc. (See Bohner, C. E., and Trogner, assignors.)
Wired Radio, Inc. (See Culver, Charles A., assignor.)
Wired Radio, Inc. (See Davis, Chester L., assignor.)
Wired Radio, Inc. (See Duncan, Robert D., jr., assignor.)
Wired Radio, Inc. (See Gebhard, Louis A., assignor.)
Wired Radio, Inc. (See Harrison, Jamison R., assignor.)
Wired Radio, Inc. (See Hentschel, Ernest R., assignor.)
Wired Radio, Inc. (See Hyland, Lawrence A., assignor.)
Wired Radio, Inc. (See Ryan, D. L., and Crossley, assignors.)
Wired Radio, Inc. (See Taylor, Albert H., assignor.)
Wired Radio, Inc. (See Thomas, Adolph A., assignor.)
Wired Radio, Inc. (See Trogner, Arthur M., assignor.)
Wired Radio, Inc. (See Vermillion, Charles O., assignor.)
Wireless Music Limited. (See Trouton, Maurice, assignor.)
Wireless Specialty Apparatus Company. (See Bailey, William M., assignor.)
Wireless Specialty Apparatus Company. (See Butler, Benjamin J., assignor.)
Wireless Specialty Apparatus Company. (See Cowan, Edward J., assignor.)
Wireless Specialty Apparatus Company. (See Priess, William H., assignor.)
Wireless Specialty Apparatus Company. (See Proctor, John A., assignor.)
Wireless Specialty Apparatus Company. (See Proctor, J. A., and Bailey, assignors.)
Wireless Specialty Apparatus Company. (See Rosen, Victor E., assignor.)
Wireless Specialty Apparatus Company. (See Webster, William S., assignor.)
Wiremold Company, The. (See Birckmayer, Harry P., assignor.)
Wiremold Company, The. (See Murphy, Daniel H., assignor.)
Wiremold Company, The. (See Rutherford, Charles E., assignor.)
Wirschinger, Erhard. (See Kolmer, W., and Wirsinger.)
Wirt Company. (See Gill, Harry F., assignor.)
Wirt Company. (See Weichelt, Carl L., assignor.)
Wirt, Reuben D., Miami Beach, Fla. Sash lock. 1,834,194; Dec. 1.
Wirth, Armin, Ebingen, Wurttemberg, Germany. Scale with pendulum weight. 1,832,602; Nov. 17.
Wirth, Dorsey M., Bucyrus, Ohio. Belt buckle. 1,811,990; June 30.
Wirth, Dorsey M., Bucyrus, Ohio. Belt buckle. 1,814,275; July 14.
Wirth, Johann K., Berlin, Germany. Manufacturing large receptacles. 1,789,642; Jan. 20.
Wirth, Louis E., Pittsburgh, Pa., assignor to Cotton Harvester Corporation of America. Cotton picking needle. 1,818,444; Aug. 11.
Wirth, Richard, Frankfort-on-the-Main, and W. Bittrolf, assignors to Mister Ernst Gideon Bek, Pforzheim, Germany. Manufacture of wire chain. 1,818,111; Aug. 11.
Wirtz, William, Cristobal, Panama Canal Zone. Sawing implement. 1,838,125; Dec. 29.
Wirz, Albert, Basel, Switzerland. Impulse mechanism for the pendulums of clockworks. 1,830,777; Nov. 10.
Wirz, A. H., Inc. (See Barker, Edwin H., assignor.)
Wischin, Rudolf A., Munich, Germany. Purification of lubricating oils. 1,792,882; Feb. 17.
Wisconsin Alumni Research Foundation. (See Eyster, John A. E., assignor.)
Wisconsin Heating Company. (See Mortimer, Winfield F., assignors.)
Wise, Allen S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Valve operating mechanism. 1,820,686; Aug. 25.
Wise, Clarence N., New Milford, Conn. Machine for truing automobile brake drums. 1,791,546; Feb. 10.
Wise, Edmund M., Cincinnati, Ohio, assignor, by mesne assignments, to The International Nickel Company, Inc., New York, N. Y. Treatment of nonferrous alloys. 1,816,509; July 28.
Wise, George A., Pittsburgh, Pa. assignor to Sutton Engineering Company. Round straightener. 1,805,302; May 12.
Wise, George A., assignor to Sutton Engineering Company, Pittsburgh, Pa. Method and apparatus for finishing round bars. 1,809,880; June 16.
Wise, Homer, Findlay, Ohio. Lard can drainer. 1,831,832; Nov. 17.
Wise, John T., near Baldwin, Banks County, Ga. Tellurian. 1,802,859; Apr. 28.
Wise, Karl M., assignor to The Studebaker Corporation, South Bend, Ind. Steering mechanism. 1,787,711; Jan. 6.
Wise, Le Vern B., Summerville, Pa. Folding crate. 1,800,580; Apr. 14.
Wise, Raleigh J., Bloomfield, N. J., to The Western Union Telegraph Company, New York, N. Y. Signal distortion indicator. 1,805,349; May 12.
Wise, Solomon, Cincinnati, Ohio. Lock. 1,814,356; July 14.
Wise, Solomon, Cincinnati, Ohio. Lock for spare rims. 1,832,076; Nov. 17.
Wise, Wilbert G. (See Cookston, Thomas R. assignor.)
Wise, Wilbert G., Akron, Ohio. Golf bag. 1,799,835; Apr. 7.
Wiseman, Barnett, et al. (See Olaszy, Joseph, assignor.)
Wiseman, John F., Dorchester, Mass. Preparation for preventing accumulation of moisture and the like. 1,831,521; Nov. 10.
Wiseman, John T., Brooklyn, assignor to United Dry Docks, Incorporated, New York, N. Y. Fabricating contra-propellers. 1,808,151; June 2.
Wiseman, Ray C., Parkersburg, W. Va. Poultry feed trough. 1,811,413; June 23.
Wiser, Henry J., Ottawa, Ontario, assignor to International Fibreboard Limited, Gatineau, Quebec, Canada. Extractor in presses. 1,807,461; May 26.
Wishart, Harold W. (See Alexander, R. L., and Wishart.)
Wishart, Ronald S. (See Connery, A. F., and Wishart.)
Wishart, Ronald S., Rockville Center, assignor to Postal Telegraph-Cable Company, New York, N. Y. Signaling device for telegraph systems. 1,835,549; Dec. 8.
Wisher, Joseph T., Chicago, Ill. Can opener. 1,830,497; Nov. 3.
Wishon, Ralph, Chicago, Ill., assignor to The Trindl Company. Reamer bar supporting bracket. 1,838,894; Dec. 29.
Wishmeier, Charles H., assignor to Fabric Products Corporation, Indianapolis, Ind. Making tire covers. 1,830,819; Nov. 10.
Wismer, Heinrich, Zurich, Switzerland. Circular loom for manufacturing hats and the like. 1,830,454; Nov. 3.
Wismer, Joseph J. N., Rosedale Station, Alberta, Canada. Coupling. 1,792,956; Feb. 17.
Wismer, Ralph J., Decatur, Ill. Catapult. 1,838,243; Dec. 29.
Wismer, Samuel H., Palmyra, N. J., assignor to Victor Talking Machine Company. One-hand lid support. 1,796,551; Mar. 17.
Wisner, Abram C., assignor to Reynolds Spring Company, Jackson, Mich. Inverted hydraulic ram press. 1,801,893; Apr. 21.
Wisner, Abram C., Jackson, Mich., and C. L. Redfield, Chicago, Ill. Wheel unit. 1,812,127; June 30.
Wisner, Abram C., Jackson, Mich., and Casper L. Redfield, Chicago, Ill. Wheel unit. 1,812,128; June 30.
Wisner, Andrew P., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,793,270; Feb. 17.
Wisner, Clarence B., Canton, Ohio, assignor, by mesne assignments, to Coal Process Corporation, Dover, Del. Carbonizing and coking process. 1,835,128; Dec. 8.
Wisner Manufacturing Company. (See Hatch, Lewis, assignor.)
Wisner, Otto, assignor to Lowell Specialty Company, Lowell, Mich. Sprayer. 1,788,223; Jan. 6.
Wisniewski, Frank, administrator. (See Kurek, John J.)
Wisniewski, Frank, Reading, Pa. Detention appliance for fire-alarm boxes. 1,789,797; Jan. 20.
Wisniewski, Vincent, Berlin, Germany. Propelling device for aircraft. 1,791,079; Feb. 3.
Wisniewski, William J., Detroit, Mich. Edible cone. Des. 83,840; Mar. 31.
Wissheier, John, West Philadelphia, Pa. Building stud. 1,828,953; Oct. 27.
Wissig, Samuel, Susanville, Calif. Book of toothpicks. 1,819,451; Aug. 18.
Wissmann, Walter W. (See Maret, E. P., and Wissmann.)
Wisti, Andrew O., Minneapolis, Minn. Riveting and punching machine. 1,792,790; Feb. 17.
Wisti, Andrew O., Minneapolis, Minn. Brake lining stretcher. 1,821,283; Sept. 1.
Wistoft, Soren, & Co.'s Fabrikker, Akts. (See Hansen, Hans C., assignor.)
Wistoft, Soren, Frederiksberg, Denmark. Releasing mechanism for automatic vending machines. 1,831,217; Nov. 10.
Wistrand, Gunnar, Berlin, Germany, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Mounting for non-driven rolls. 1,804,909; May 12.
Wiswall, William J., Portland, Oreg., assignor to American Sales Book Company, Limited, Toronto, Canada. Manifolding paper holder. 1,827,448; Oct. 13.
Wiswell, Ozro N. (See Allen, S. E., and Wiswell.)
Witchger, Eugene J., assignor to Lufkin Rule Company, Saginaw, Mich. Measuring-gauge kit. 1,797,279; Mar. 24.
Witchger, Eugene J., assignor to Lufkin Rule Co., Saginaw, Mich. Radius gauge. 1,825,987; Oct. 6.
Witchger, Eugene J., assignor to Lufkin Rule Co. Joint for folding rules. 1,829,975; Nov. 3.
Witham, George S., sr., Hudson Falls, N. Y. Paper making machine. 1,812,278; June 30.
Witham, George S., jr., Hudson Falls, N. Y. Process and apparatus for pulping. 1,831,642; Nov. 10.
Witham, George S., sr., Hudson Falls, N. Y. Paper making machine. 1,838,603; Dec. 29.
Withers, Charles A., assignor to Taylor Instrument Companies, Rochester, N. Y. Bourdon-spring unit. 1,798,645; Mar. 31.

Witherspoon, Samuel C., Edgewood, Md., and A. F. Beal, Washington, D. C. Weather-proof coating for rubber. 1,815,998; July 28.
Withrow, Floyd G., Grand Rapids, Mich. Brake rattle silencer. 1,820,719; Aug. 25.
Withrow, Floyd G., Grand Rapids, Mich. Service brake lever silencer. 1,820,720; Aug. 25.
Withrow, Floyd G., Grand Rapids, Mich. Brake rod anti-rattler. 1,820,721; Aug. 25.
Withrow, Floyd G., Grand Rapids, Mich. Cushion support. 1,836,353; Dec. 15.
Withrow, Wilson L., Buyallup, Wash. Incandescent bulb attachment. 1,832,171; Nov. 17.
Withycombe, Robert M., Sydney, New South Wales, Australia. Manufacture of brushes. 1,806,436; May 19.
Witkowski, Joseph, Baltimore, Md. Scow. 1,787,849; Jan. 6.
Witschge, Peter H. (See Sutton, G. C., and Witschge.)
Witt, Agatho H., assignor to Peerless Valve Manufacturing Company. Flush valve. 1,800,581; Apr. 14.
Witt, Birdie V., Pasadena, Calif. Orchard heater. 1,815,388; July 21.
Witt, Hermann, Marne, Germany. Mechanical illustrator of the eye. 1,832,603; Nov. 17.
Witt, Jackson F., Dallas, Tex. Paving method. 1,807,947; June 2.
Wittbold, Louis, Evanston, Ill. Container. 1,789,994; Jan. 27.
Witte, Carl E., San Francisco, Calif. Charge forming device. 1,818,371; Aug. 11.
Witte, Edward, Crescent City, Ill. Corn planter. 1,814,069; July 14.
Witte, Gustav A., Riverside, assignor to International Precipitation Company, Los Angeles, Calif. Grinding material. 1,803,821; May 5.
Witte, Isadore O., Los Angeles, Calif. Font of type. Des. 85,221; Sept. 22.
Witte, James E., Newport, Ky. Hot air furnace. 1,804,851; May 12.
Witte, James G., Keokuk, assignor of one-half to Iowa Fiber Box Company, Keokuk, Iowa, and one-half to South West Box Company, Sand Springs, Okla. Shipping container. 1,809,953; June 16.
Witte, Paul, Scranton, Pa. Dustproof bag. 1,802,228; Apr. 21.
Wittek, Joseph, Chicago, Ill. Automatic feed for punch presses. 1,796,417; Mar. 17.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Optical system for photographic apparatus. 1,787,808; Jan. 6.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Removable mount for objectives. 1,795,325; Mar. 10.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Multiple-opening diaphragm for photographic cameras. 1,799,879; Apr. 7.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Film editing machine. 1,804,730; May 12.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Diaphragming filter attachment for cameras. 1,813,691; July 7.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Optical equipment for cameras. 1,818,024; Aug. 11.
Wittel, Otto, Rochester, assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for lapping color film embossing rollers. 1,823,243; Sept. 15.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture film winding device. 1,823,245; Sept. 15.
Witteman, John, Milwaukee, Wis. Window curtain hanger. 1,805,793; May 19.
Wittemann, John, Los Angeles, Calif. Swinging drapery support for circle-head windows. 1,813,265; July 7.
Witten, Arthur P., assignor to G. E. Hall and himself, Akron, Ohio. Ornamenting toy balloons. Re18,068; May 12.
Witten, William S., Pasadena, Calif. Stock pen. 1,807,188; May 26.
Wittenberg, Armin H., Los Angeles, Calif. Stocking. 1,810,197; June 16.
Wittenberg, Edward H., assignor to Northern Engraving Company La Crosse, Wis. Fastening device for caps and the like. 1,830,415; Nov. 3.
Wittenberg, Lester, New Rochelle, assignor to The Barrett Company, New York, N. Y. Preparing road-building aggregate. 1,791,109; Feb. 3.
Wittenberg, Margaret H., Worcester, Mass., assignor to The Royal Worcester Corset Company. Corset. 1,803,822; May 5.
Wittenmyer, Carlos, Mount Clemens, Mich. Visible index filing device. 1,803,823; May 5.
Witter, Lawrie L., Jamaica Plain, Mass. Dirigible road light. 1,797,707; Mar. 24.
Witter, Victor F., Akron, and U. A. Frederick, Fremont, Ohio. Micrometer. 1,829,323; Oct. 27.
Witter, Willis D., Utica, N. Y., assignor, by mesne assignments, to American La France and Foamite Corporation. Fire extinguisher. 1,816,417; July 28.
Wittgren, John, Chicago, Ill. Vase. Des. 83,710; Mar. 17.
Wittgren, John, Chicago, Ill. Vase. Des. 83,783; Mar. 24.
Wittig, Carl H. O., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Trial frame. 1,837,934; Dec. 22.
Wittliff, Theodore H., Cleveland, Ohio. Furniture brace and control therefor. 1,820,589; Aug. 25.
Wittman, Harry L., Grafton, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Leer feeder. 1,832,343; Nov. 17.
Wittman, Harry L., Grafton, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Leer feeder. 1,832,344; Nov. 17.
Wittmayer, Katie, Lodi, Calif. Stationary washtub. 1,797,629; Mar. 24.
Wittnauer, A., Co. (See Heinmuller, John P. V., assignor.)
Wittner, Edward F., Chicago, Ill. Spark plug. 1,814,997; July 14.
Witty, George, New York, N. Y., assignor to Structural Products Corporation. Enamel and making same. 1,823,480; Sept. 15.
Witz, Albert A., Chicago, Ill. Indirect lighting lamp. 1,831,402; Nov. 10.
Witzel, Earl R., assignor to Kohler Company, Kohler, Wis. Automatic generating plant. 1,794,392; Mar. 3.
Witzleb, Otto, Dixon, Ill. Plumbing-fixture-display stand. 1,796,176; Mar. 10.
Witzler, Willi, and P. F. G. Güth, Hamburg, Germany. Water heater. 1,806,378; May 19.
Wizard Adding Machine Company. (See Nielsen, Laurits M., assignor.)
Wizek, Charles M., Cleveland, Ohio. Window lock and fastener. 1,837,604; Dec. 22.
Wiziarde, Victor H., and C. H. Bacher, St. Joseph, Mo. Basket cover fastener. 1,803,084; Apr. 28.
Wlecke, Aldrich R., W. J. Gorie, Lakewood, and F. F. Lange, assignors to The Reliance Lithograph Company, Cleveland, Ohio. Display easel. 1,787,607; Jan. 6.
Wobbe, Aloysius B., Springfield, Ohio. Garment hanger. 1,820,419; Aug. 25.
Wochner, Henry, assignor to Bear Manufacturing Company, Rock Island, Ill. Tracking gauge for automobiles. 1,804,448; May 12.
Wochner, Henry, assignor to Bear Manufacturing Company, Rock Island, Ill. Axle straightening mechanism. 1,819,311; Aug. 18.
Wochner, Henry, assignor to Bear Manufacturing Company, Rock Island, Ill. Automobile axle press. 1,825,436; Sept. 29.
Wochner, Henry, assignor to Bear Manufacturing Company, Rock Island, Ill. Spindle gauge for automobile axles. 1,825,988; Oct. 6.
Wodack Electric Tool Corporation. (See Wodack, Oscar P., assignor.)
Wodack, Oscar P., assignor to Wodack Electric Tool Corporation, Chicago, Ill. Portable electric tool. 1,803,307; Apr. 28.
Woehler, Henry G., assignor to Niedringhaus, Inc., St. Louis, Mo. Reenforcing means for metallic doors. 1,792,883; Feb. 17.
Woehler, Henry G., assignor to Niedringhaus, Inc., St. Louis, Mo. Metallic door. 1,793,382; Feb. 17.
Woelfel, Edgar H. (See Hessle, Eric T., assignor.)
Woelfel, George F., Madison, assignor to The Commercial Clearing Corporation, Jacksonville, Fla. Compressor for refrigerating apparatus. 1,799,449; Apr. 7.
Woelfel, George F., Madison, assignor to The Commercial Clearing Corporation, Jacksonville, Fla. Slide valve construction. 1,834,080; Dec. 1.
Woelflin, William. (See Fisher, H. F., and Woelflin.)
Woelfel, George F., Madison, assignor to The Commercial Clearing Corporation, Jacksonville, Fla. Refrigerating apparatus. 1,836,215; Dec. 15.
Woelk, William H., Crookston, Minn. Woodworker's clamp. 1,810,995; June 23.
Woerner, Emanuel J., Chicago, Ill. Paper-hanger's straightedge. 1,791,231; Feb. 3.
Woerner, Emanuel J., Chicago, Ill. Paper-hanger's straightedge and cutter guide. 1,835,364; Dec. 8.
Woernle, Harry E., assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Hinge. 1,800,238; Apr. 14.
Woernle, Harry E., assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Friction hinge. 1,818,182; Aug. 11.
Woernle, Harry E., assignor to McKinney Mfg. Company, Pittsburgh, Pa. Friction hinge. 1,835,129; Dec. 8.
Woernley, Harry F., Wilkinsburg, Pa., assignor, by mesne assignments, to Cardwell Westinghouse Company, Chicago, Ill. Friction draft gear. 1,788,649; Jan. 13.
Woernley, Harry F., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Portable press. 1,813,219; July 7.
Woernley, Harrry F., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric coupler device. 1,832,887; Nov. 24.
Wogan, Selmer F., Montevideo, Minn. Unit for heating, cooling, and ventilating system. 1,825,498; Sept. 29.
Wohlenberg, Walter J., New Haven, Conn., assignor to Erie City Iron Works, Erie, Pa. Steam generator. 1,833,508; Nov. 24.
Wohlers, Hans E., et al. (See Risse, F., Wohlers, and Paquin.)
Wohlfahrt, Edvard S. S., Fagersta, Sweden. Valve aggregates for regenerative furnaces, heat apparatus, etc. 1,819,052; Aug. 18.
Wohlpart, August J., assignor to L. Bulasky, Incorporated, New York, N. Y. Sewing machine. 1,792,722; Feb. 17.

Wohlpart, August J., New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,817,727; Aug. 4.
Woidich, Francis S., Sapulpa, Okla. Apparatus for the stabilization, rectification, and fractional distillation of natural gasoline. 1,803,581; May 5.
Wojciechowski, Valentine, Brockton, Mass. Ventilated shoes. 1,797,309; Mar. 24.
Wolarsky, Isidore, Mount Vernon, N. Y. Lighting-fixture shade holder. Re17,979; Feb. 24.
Wolarsky, Isidore, Mount Vernon, assignor of one-fourth to J. M. Cole, New York, N. Y. Socket support for lighting fixtures. 1,825,641; Sept. 29.
Wolcott, Edson R., Los Angeles, Calif. Apparatus for pumping liquids. 1,794,431; Mar. 3.
Wolcott, Edson R., Los Angeles, Calif. Apparatus for pumping liquids. 1,827,925; Oct. 20.
Wolcott, Edson R., Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treating hydrocarbons. 1,825,294; Sept. 29.
Wolcott, Frank E., West Hartford, Conn. Hair waving device. 1,831,615; Nov. 10.
Wolcott, Frank E., West Hartford, Conn., assignor, by mesne assignments, to The Beardsley & Wolcott Mfg. Co. Electrical heater. 1,795,002; Mar. 3.
Wolcott, Frank E., West Hartford, and L. V. Lucia, Hartford, Conn., assignors, by mesne assignments, to The Beardsley & Wolcott Mfg. Co. Electric heating device. 1,824,585; Sept. 22.
Wold, Roscoe G., Phoenix, Ariz. Window and flap operator. 1,808,827; June 9.
Wolf, Abraham J., Bayonne, N. J. Combination surface treating and conditioning brush. 1,818,917; Aug. 11.
Wolf, Albert, et al. (See Wolf, Howard A., assignor.)
Wolf, Anthony S., assignor to Blaw-Knox Company, Pittsburgh, Pa. Form construction for concrete curbing. 1,833,509; Nov. 24.
Wolf, Benedikt, Newark, assignor to Essex Specialty Co., Inc., Berkeley Heights, N. J. Package for fireworks devices. 1,812,311; June 30.
Wolf, Benjamin, et al. (See Wolf, Howard A., assignor.)
Wolf, Benzion, Chicago, Ill. Garter. 1,800,582; Apr. 14.
Wolf, Benzion, Chicago, Ill. Garter. 1,804,044; May 5.
Wolf Brothers, et al. (See Wolf, Howard A.)
Wolf Brothers & Co. (See Young, Harry D., assignor.)
Wolf, Carl F., Chicago, Ill. Tie stay. 1,836,517; Dec. 15.
Wolf, Charles B. (See Grove, Jacob R.)
Wolf, Darwin M., Long Beach, Calif. Ship's telegraph recorder. 1,815,389; July 21.
Wolf, Darwin M., Long Beach, and J. O. York, Compton, Calif. Device for correcting for magnetic declination, deviation, and drift. 1,833,345; Nov. 24.
Wolf, Elias, et al. (See Wolf, Howard A., assignor.)
Wolf, Elmer W., Cleveland, Ohio. Battery-charging unit. 1,787,850; Jan. 6.
Wolf, Ernst, Leipsig, Germany, assignor to Carrier Engineering Corporation, Newark, N. J. Sealing and thrust balancing means for rotary compressors and analogous machines. 1,789,329; Jan. 20.
Wolf, Frank, Hamilton, Ohio. Corn-loading machine. 1,799,543; Apr. 7.
Wolf, Frank, New York, N. Y. Closure for collapsible tubes and other receptacles. 1,788,181; Jan. 6.
Wolf, Frank, New York, N. Y. Holder for collapsible tubes. 1,811,220; June 23.
Wolf, Frank, New York, N. Y. Holder for collapsible tubes. 1,811,221; June 23.
Wolf, Frank, New York, N. Y. Stand or holder for containers. 1,811,222; June 23.
Wolf, Frank, New York, N. Y. Holder for containers or storage vessels. 1,811,223; June 23.
Wolf, Frank, New York, N. Y. Accessory device for collapsible tubes. 1,811,224; June 23.
Wolf, Frank, New York, N. Y. Metal container, such as collapsible tubes, for tooth paste and other soft preparations. 1,835,581; Dec. 8.
Wolf, Frederick H., Melcher, Iowa. Insect trap. 1,833,699; Nov. 24.
Wolf, George R., Arlington Heights, Ill. Settling coal dust. 1,800,583; Apr. 14.
Wolf, Hans. (See Boehringer, R., and Wolf.)
Wolf, Harold W., Guthrie Center, Iowa. Fence post. 1,791,295; Feb. 3.
Wolf, Harry E., Pittsburgh, Pa., assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Cushion seat construction. 1,828,634; Oct. 20.
Wolf, Harry E., Webster Groves, Mo. Plugging device. 1,833,700; Nov. 24.
Wolf, Homer. (See Blockinger, William A., assignor.)
Wolf, Howard A., et al. (See Wolf, Howard A., assignor.)
Wolf, Howard A., assignor to B. Wolf, L. Wolf, A. Wolf, H. A. Wolf, and E. Wolf, copartners trading as Wolf Brothers, Philadelphia, Pa. Box. 1,828,757; Oct. 27.
Wolf, Jacob, Milwaukee, Wis., assignor of one-half to I. Sax and M. Sax, co-partners doing business as Sax Bros. Heel attaching device. 1,827,058; Oct. 13.
Wolf, Jacob R., assignor to Smart Set Shops, Pittsburgh, Pa. Store. Des. 85,723; Dec. 8.
Wolf, Jacques, Basel, Switzerland. Sealing device. 1,804,298; May 5.
Wolf, John M., assignor of one-half to C. Bingesser, Kansas City, Mo. Forced-feed fluid-transporting mechanism. 1,792,723; Feb. 17.
Wolf, Leopold J., Cleveland, and H. Spicer, Lakewood, Ohio. Valve. 1,797,036; Mar. 17.
Wolf, Leslie M., Los Angeles, Calif. Rotary engine. 1,832,679; Nov. 17.
Wolf, Lester J., South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Automatic frequency controller. 1,788,073; Jan. 6.
Wolf, Lester J., South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Radio system. 1,829,465; Oct. 27.
Wolf, Louis, et al. (See Wolf, Howard A., assignor.)
Wolf Machine Company, The. (See Wagner, Albert G assignor.)
Wolf, Miles V., Ashland, Ohio. Cribbing device for graves 1,834,232; Dec. 1.
Wolf, Paul, Zwickau, Germany. Miner's lamp. 1,806,868; May 26.
Wolf, Paul, Zwickau, Germany. Electric lamp charged from accumulators. 1,806,869; May 26.
Wolf, Philippe, Paris, France. Apparatus for washing coals. 1,837,438; Dec. 22.
Wolf, Robert B. (See Hatch, R. S., Wolf, and Hill.)
Wolf, Robert B., New York, N. Y., R. P. Hill, Glen Rock, and R. S. Hatch, East Orange, N. J. Preparing cellulose pulp. 1,788,555; Jan. 13.
Wolf, Robert B., assignor to Ligno-Cellulose Corporation, New York, N. Y. Method of and apparatus for producing paper pulp. 1,837,309; Dec. 22.
Wolf, Robert B., New York, N. Y., R. P. Hill, Glen Rock, and R. S. Hatch, East Orange, N. J., assignors to Ligno-Cellulose Corporation, New York, N. Y. Producing cellulose from lignified material. 1,804,967; May 12.
Wolf Safety Lamp Company of America, Inc. (See Anglada, Domingo, assignor.)
Wolf, Walter M., Chicago, Ill. Ash receptacle for smokers' use. Des. 84,124; May 5.
Wolf, Walter M., Chicago, Ill. Cigar lighter. Des. 84,451; June 16.
Wolf, Walter M., assignor to Wolmark Manufacturing Company, Chicago, Ill. Game board. Des. 83,140; Jan. 20.
Wolf, William J., Waterloo, Iowa. Fire kindler. 1,798,443; Mar. 31.
Wolf, William R., Rochester, assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Copyholder. 1,809,096; June 9.
Wolfard, Merl R., Cambridge, assignor to C. F. Hopewell and H. C. Hopewell, doing business as Hopewell Brothers, Watertown, Mass. Carburetor. 1,823,017; Sept. 15.
Wolfard, Merl R., Cambridge, assignor to C. F. Hopewell and H. C. Hopewell, doing business as Hopewell Brothers, Watertown, Mass. Carburetor. 1,823,018; Sept. 15.
Wolfard, Merl R., Cambridge, assignor to C. F. Hopewell and H. C. Hopewell, doing business at Hopewell Brothers, Watertown, Mass. Carburetor. 1,823,019; Sept. 15.
Wolfard, Merl R., Cambridge, A. A. Morton and R. H. Hussey, Watertown, Mass. Lubricant for hot surfaces. 1,825,256; Sept. 29.
Wolfe, Albert H., Santa Rosa, Calif. Transforming reciprocating motion into rotary motion. 1,800,584; Apr. 14.
Wolfe, Archie R., Summit, N. J. Cam lock contraction socket. 1,810,455; June 16.
Wolfe, Clinton L., Ozone Park, and J. A. Faurot, New York, N. Y. Deal tray. 1,801,708; Apr. 21.
Wolfe, Everett K., New York, N. Y. Safety hand ball. 1,800,811; Apr. 14.
Wolfe, Harry H. (See Whitridge, J. C., and Wolfe.)
Wolfe, Harry H., and H. L. Myers, assignors to The American Floor Surfacing Machine Company, Toledo, Ohio. Combined casing for a floor polishing brush and handle therefor. Des. 84,910; Aug. 18.
Wolfe, Harry H., and H. L. Myers, assignors to The American Floor Surfacing Machine Company, Toledo, Ohio. Edging machine. 1,804,523; May 12.
Wolfe, Henry G., White Plains, N. Y., and J. A. Freiday, East Orange, N. J., assignors, by mesne assignments, to Metropolitan Engineering Corporation, New York, N. Y. Relief valve. 1,837,007; Dec. 15.
Wolfe, John A., et al. (See Haubert, Leo, assignor.)
Wolfe, John S., Milwaukee, Wis. Motor compressor unit. 1,835,834; Dec. 8.
Wolfe, Layton A., San Diego, Calif. Electrostatic sound translator. 1,831,278; Nov. 10.
Wolfe, Louis C., Altoona, Pa., assignor to American Carburetor Improvement Company. Carburetor. Re18,269; Dec. 1.
Wolfe, Maurice S., Piqua, Ohio. Vehicle. 1,801,405; Apr. 21.
Wolfe, Walter G., Greenwood, assignor to Wilmot R. Evans, trustee, Boston, Mass. Wide angle projection. 1,802,099; Apr. 21.
Wolfe, Walter G., Greenwood, assignor to Wilmot R. Evans, trustee, Boston, Mass. Wide angle lens. 1,802,100; Apr. 21.
Wolfe, Walter G., Greenwood, assignor to W. R. Evans, trustee, Boston, Mass. Thermal filter. 1,813,521; July 7.
Wolfe, William D., Cuyahoga Falls, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Age resistor for rubber. 1,788,903; Jan. 13.
Wolfelt, Curt, New York, assignor to Andrew Geller Shoe Manufacturing Co. Inc., Brooklyn, N. Y. Shoe. Des. 83,711; Mar. 17.

Wolferman, Milton J., New York, assignor to Continental Silver Company, Brooklyn, N. Y. Sugar dispensing container. 1,828,695; Oct. 20.
Wolfermann, Carl E. E., New York, N. Y. Collapsible roof body for automobiles. 1,816,924; Aug. 4.
Wolfert, Edward R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Voltage compensating means. 1,816,418; July 28.
Wolfert, Edward R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of motor control. 1,835,550; Dec. 8.
Wolff, Anton F., Genesee, Idaho. Toy aeroplane. 1,814,104; July 14.
Wolff, Anton F., Genesee, Idaho. Toy aeroplane. 1,814,105; July 14.
Wolff, Ernst. (See Wolff, William and E.)
Wolff, Franklyn J., Trenton, N. J. Audion circuit battery control. 1,813,334; July 7.
Wolff, Hugo. (See Lüttringhaus, A., Wolff, and Neresheimer.)
Wolff, Irving, New York, and H. F. Olson, Bronx, N. Y., assignors to Radio Corporation of America. Acoustic device for sound pick up. 1,814,357; July 14.
Wolff, John C., and F. Pokall, Forbes, N. Dak. Rail clamping chair. 1,836,299; Dec. 15.
Wolff, Joseph R., assignor to Scovill Manufacturing Company, Waterbury, Conn. Hub cap. 1,831,941; Nov. 17.
Wolff, Louis J., assignor to Oscillating Motors Company, Omaha, Nebr. Internal combustion engine. 1,809,577; June 9.
Wolff, Otto, et al. (See Rosenhagen, Victor, assignor.)
Wolff, Wallace B., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,829,428; Oct. 27.
Wolff, Walter, assignor of one-fifth to R. H. Wendt, Chicago, Ill. Garment support. 1,797,037; Mar. 17.
Wolff, William and E., Buffalo, N. Y. Portable power hack saw. 1,795,519; Mar. 10.
Wolfgang, Heintschelheinegg. (See Hortinger, Dominik, assignor.)
Wolfgramm, Hermann, et al. (See Brussow, Hermann, assignor.)
Wolfinger, Joseph, Dundas, Wis. Can washing device. 1,810,511; June 16.
Wolfram, Arthur. (See Kranzlein, G., Vollmann, Greune, and Wolfram.)
Wolfram, Arthur. (See Kränzlein, G., Wolfram, and Hausdörfer.)
Wolfram, Arthur, and E. Hausdörfer, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Anthracene derivatives and preparing them. 1,818,025; Aug. 11.
Wolfsheim, Sylvan, New York, N. Y. Watch display box. Des. 85,312; Oct. 6.
Wolfsheim, Sylvan, New York, N. Y. Watch display box. Des. 85,425; Oct. 27.
Wolfsholz, August, Milan, Italy, assignor to Stettiner Chamotte-Fabrik Actien-Gesellschaft vormals Didier, Berlin-Wilmersdorf, Germany. Fire and acid-proof plastic substance. 1,828,211; Oct. 20.
Wolfsleben, Georg, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Production of black tetrakisazo dyestuffs. 1,789,888; Jan. 20.
Wolfsohn, Fred W. (See Howlett, Frank H., assignor.)
Wolfson, Isadore D., New York, N. Y. Adjustable necktie. 1,836,216; Dec. 15.
Wolfson, Isadore D., assignor to Apparel Ingenuities Corporation, New York, N. Y. Reversible necktie. 1,826,035; Oct. 6.
Wolfson, Sidney L. (See Cuno, C. H., and Wolfson.)
Wolfson, Sidney L., assignor to The Cuno Engineering Corporation, Meriden, Conn. Filter for use on motor vehicles. 1,792,791; Feb. 17.
Wollensak, Arthur C., Milwaukee, Wis. Drive for motor vehicles. 1,812,819; June 30.
Wolin, Thomas. (See Scholz, E., and Stalder, assignors.)
Wollaston, Walter, Muskegon, Mich, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Billiard ball. 1,826,538; Oct. 6.
Wollitz, Ernest A., assignor of one-half to G. H. Parmele, Oakland, Calif. Concealing and carrying means for burial caskets. 1,833,547; Nov. 24.
Wollny, Karl, Weissenfels, Germany. Polishing roll for shoes. 1,825,566; Sept. 29.
Wollny, Karl, assignor to the Firm Nollesche Werke Komm.-Ges., Weissenfels, Germany. Pulling-over machines. 1,798,291; Mar. 31.
Wollny, Karl, assignor to the Firm Nollesche Werke Komm.-Ges., Weissenfels, Germany. Fastener-feeding mechanism for pulling-over machines. 1,798,292; Mar. 31.
Wollny, Karl, assignor to the firm Nollesche Werke Komm.-Ges., Weissenfels, Germany. Pulling-over machine. 1,799,996; Apr. 7.
Wolman, Walter. (See Feldtkeller, R., and Wolman.)
Wolmark Manufacturing Company. (See Wolf, Walter M., assignor.)
Wolpert, Albert. (See Lapp, E., Krah, and Wolpert.)
Wolpert, Albert, and E. Lapp, Pittsburgh, Pa. Thermostat. 1,833,807; Nov. 24.
Wolpert, Albert, and E. Lapp, Pittsburgh, Pa. Gas supply controlling mechanism. 1,836,567; Dec. 15.
Wolski, Carl. (See Knöringer, E., and Wolski.)
Wolstenholme, Harry F., Paterson, N. J. Rotary internal-combustion engine. 1,795,750; Mar. 10.
Wolstenholme, John W., Newton, N. J. Color-applying device and making the same. 1,793,202; Feb. 17.
Wolter, Herman H. (See Doane, Leroy C., and Wolter.)
Wolter, Hubert. (See Doms, J., Wolter, and Simon.)
Wolter, Jonny, Hamburg, Germany. Dustbin. 1,811,165; June 23.
Wolters, Carl F., Marietta, Ohio. Combined concentric dial plate, lock dial and handle for safes. Des. 84,387; June 9.
Wolters, Carl F., Marietta, Ohio. Combined concentric dial plate, lock dial, and handle for safes. Des. 85,359; Oct. 13.
Wolters, Carl F., Marietta, Ohio, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Monolithic filing cabinets and attachments therefor. 1,807,948; June 2.
Wolters, Carl F., and C. Shulte, Marietta, Ohio, assignors to Remington Rand Inc., Buffalo, N. Y. Protector device for safes. 1,837,247; Dec. 22.
Wolverine Brass Works. (See Cornelius, Louis A., assignor.)
Woltzen, Lora J. (See Danenhower, William J., assignor.)
Wolverine Bumper & Specialty Company. (See Hammond, Milton B., assignor.)
Wolverine Supply & Manufacturing Company. (See Goriup, Frank J., assignor.)
Wolverine Supply & Manufacturing Company. (See Zabel, Charles, assignor.)
Wolverine Tube Company. (See McIntyre, Patrick J., assignor.)
Wolvin, Roy M. (See Robinson, Joseph, assignor.)
Womer, C. R., et al. (See Uber, Harold L., assignor.)
Wompey, John J., Denver, Colo. Illuminating device. 1,827,963; Oct. 20.
Wonder Weave, Inc. (See Merrick, Frank W., assignor.)
Wonder Weave, Inc. (See Wells, William S., assignor.)
Wonderful Development Company. (See McKenna, Hugh H., assignor.)
Wong, Nich, et al. (See Paulson, George W., assignor.)
Woock, Herbert J., assignor to Super Mold Corporation, Lodi, Calif. Tire-measuring tape. 1,797,389; Mar. 24.
Woock, Herbert J., Lodi, Calif., assignor to Super Mold Corporation, Reno, Nev. Rim tool. 1,818,517; Aug. 11.
Wood, Alan D., Lower Merion Township, Montgomery County, Pa. Embossing metallic plates. 1,807,141; May 26.
Wood, Albert C., Philadelphia, Pa. Steam generator. 1,815,086; July 21.
Wood, Albert C., Philadelphia, Pa. Art of generating steam. 1,830,155; Nov. 3.
Wood, Alexander P., Schnectady, N. Y., assignor to General Electric Company. Making dynamo-electric machines. 1,801,130; Apr. 14.
Wood, Andrew C., Chicago, Ill. Liquid elevating device. 1,817,052; Aug. 4.
Wood, Andrew F., Jersey City, N. J. Loud-speaker device. 1,793,889; Feb. 24.
Wood, Arch K., assignor to McKee Glass Company, Jeannette, Pa. Illuminated sign. 1,809,370; June 9.
Wood, Arthur H., assignor to Simplex Paper Corporation, Adrian, Mich. Basket liner. 1,812,423; June 30.
Wood, Bert B., Oakland, Calif. Steam turbine. 1,824,106; Sept. 22.
Wood, Burleigh, Seminole, Okla. Oil gauge. 1,788,265; Jan. 6.
Wood, Burris D., and W. W. Rodgers, Dallas, Texas. Designating temperature zones in iceboxes. 1,827,449; Oct. 13.
Wood, C. D., Electric Co., Inc. (See Kulka, Eugene R., assignor.)
Wood, Charles A., Clay Center, Kans. Rotary painting mechanism. 1,835,106; Dec. 8.
Wood, Charles B. D., assignor to The Pressed Steel Company, Wilkes-Barre, Pa. Edge-reenforced articles of stainless steel sheet and making the same. 1,799,205; Apr. 7.
Wood, Charles G., et al. (See Brunberg, Bennie N., assignor.)
Wood, Charles H. (See Fulcher, W. H., and Wood.)
Wood, Charles O., Chambersburg, Pa. Molder's flask. 1,808,993; June 2.
Wood, Charles O., Chambersburg, Pa. Belt drive. 1,809,435; June 9.
Wood, Charles R., Los Angeles, Calif. Garment pocket. 1,802,490; Apr. 28.
Wood, Charles W., London, England, assignor to General Electric Company. Electric switch. 1,788,224; Jan. 6.
Wood, Clarence G., Cleveland, Ohio. Clutch actuating mechanism. 1,835,107; Dec. 8.
Wood, Clarence G., Cleveland, Ohio, assignor, by mesne assignments, to Westco Pump Corporation, Davenport, Iowa. Pumping apparatus. 1,837,697; Dec. 22.
Wood, Claude O., assignor to Goodman Manufacturing Company, Chicago, Ill. Mine locomotive. 1,808,277; June 2.
Wood Conversion Company. (See Spafford, Allen L., assignor.)
Wood, David W., Brazil, Ind. Door latch. 1,816,134; July 28.
Wood, Donald L., assignor to Eastman Kodak Company, Rochester, N. Y. Film pack. 1,836,699; Dec. 15.

Wood, Edward S., Cinnaminson, W. E. Haden, Haddonfield, H. C. Sharp, Camden, and L. H. Ashmore, Collingswood, assignors to The Esterbrook Steel Pen Manufacturing Co., Camden, N. J. Pen. 1,832,077; Nov. 17.
Wood, Ernest B., and O. C. Eliason, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ventilating device. 1,788,556; Jan. 13.
Wood, Fernando J., Pampa, Tex. Counterbalance. 1,825,610; Sept. 29.
Wood, Floyd R., Grand Rapids, Mich. Engine starting device. 1,816,032; July 28.
Wood, Frederick H., Chicago, Ill. Screw driver designed to be keyed on a screw. 1,797,390; Mar. 24.
Wood, Garfield A. (See Jerome, Horace M., assignor.)
Wood, George H. (See Clayton, Harry F., assignor.)
Wood, George P. and J., Peekskill, N. Y. Beehive. 1,823,076; Sept. 15.
Wood, George R., Toronto, Ontario, Canada, assignor to International Business Machines Corporation, New York, N. Y. Time recorder. 1,791,946; Feb. 10.
Wood, Henry A. W., New York, N. Y. Preventing transmission of vibration and noise in machine construction. 1,795,816; Mar. 10.
Wood, Henry A. W., New York, N. Y. Inclined elevator. 1,838,204; Dec. 29.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Stereotype-plate-casting machine. 1,787,462; Jan. 6.
Wood, Henry A. W., assignor to Wood newspaper Machinery Corporation, New York, N. Y. Rotary pasting device. 1,787,463; Jan. 6.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper-roll-controlling device. 1,788,648; Jan. 13.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Driving device for inking rollers. 1,789,165; Jan. 13.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folding machine. 1,791,694; Feb. 10.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Controlling device for running web. 1,796,912; Mar. 17.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Stereotype plate casting and finishing machine. 1,803,374; May 5.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web guide roller. 1,805,197; May 12.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Double matrix operating device. 1,805,271; May 12.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Electrically operated metal pump. 1,805,272; May 12.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Sectional former. 1,809,954; June 16.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Tail shelf for stereotype plate casting machines. 1,809,955; June 16.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Casting pump operating means. 1,810,867; June 16.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Stereotype plate trimming machine. 1,814,578; July 14.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Multiple stereotype plate casting and finishing machine. 1,816,944; Aug. 4.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Matrix setting mechanism. 1,816,945; Aug. 4.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Metal pump. 1,816,946; Aug. 4.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Impaling pins. 1,816,947; Aug. 4.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Lock-up for rolls. 1,816,948; Aug. 4.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Matrix roller. 1,820,551; Aug. 25.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Half speed sheet inserting mechanism. 1,824,583; Sept. 22.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Printing couple supporting means. 1,824,584; Sept. 22.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folding blade cleaning device. 1,827,635; Oct. 13.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Double-barrelled auto shaver. 1,829,176; Oct. 27.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Tabloid insert slitter. 1,830,416; Nov. 3.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Tail holding means for castings. 1,830,584; Nov. 3.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Plate locking device. 1,831,219; Nov. 10.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper folding control guide. 1,831,220; Nov. 10.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web manipulating mechanism for paper folding machines. 1,834,665; Dec. 1.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Impaling pin cam and roll. 1,834,666; Dec. 1.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Printing plate mold. 1,836,146; Dec. 15.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Pin for folding cylinders. 1,837,005; Dec. 15.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Ink fog condenser. 1,837,006; Dec. 15.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Traversing mechanism for twin stereotype plate casting machines. 1,838,602; Dec. 29.
Wood, Henry R., Sierra Madre, Calif., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Apparatus for producing shingle strips. 1,812,424; June 30.
Wood Hydraulic Hoist & Body Company. (See Kerr, A. G., and Merchant, assignors.)
Wood, Irving W. (See Gage, L. F., Wood, and Weinzierl.)
Wood, Irving W. (See Wilson, J. H., and Wood.)
Wood, J. R., & Sons, Inc. (See Burgess, Andrew O., assignor.)
Wood, James. (See Wood, G. P. and J.)
Wood, Jarrett B., Tulsa, Okla. Steam boiler. 1,819,350; Aug. 18.
Wood, Jesse L., assignor of one-third to E. P. Phillips, Jackson, and one-third to F. A. Hauck, Clinton, Mich. Clothes rack. 1,837,388; Dec. 22.
Wood, John, Manufacturing Company. (See Desimone, Cornelius A., assignor.)
Wood, John., Manufacturing Company. (See Dougherty, Robert J., assignor.)
Wood, John, Manufacturing Company. (See Paige, Arthur E., assignor.)
Wood, John, Manufacturing Company. (See Sponar, Aloysius T., assignor.)
Wood, John, Manufacturing Company. (See Winter, Joseph W., assignor.)
Wood, John C. (See Whitacre, D. D., and Wood.)
Wood, John M. (See Traver, W. A., and Wood.)
Wood, Joseph D., Wollaston, Mass. Electric switch. 1,820,877; Aug. 25.
Wood, Joseph D., Wollaston, Mass., assignor to Westinghouse Electric & Manufacturing Company. Electrical distribution system. 1,790,193; Jan. 27.
Wood, Joseph D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch. 1,798,389; Mar. 31.
Wood, Joseph D., Quincy, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electric switch. 1,798,390; Mar. 31.
Wood, Joseph D., Wollaston, assignor to Condit Electrical Manufacturing Company, South Boston, Mass. Electric switch and terminal. 1,820,875; Aug. 25.
Wood, Joseph D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch and contact structure therefor. 1,820,876; Aug. 25.
Wood, Joseph D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Closing mechanism for electric switches. 1,835,738; Dec. 8.
Wood, Joseph K., Mount Vernon, assignor to General Spring Corporation, New York, N. Y. Support. 1,816,164; July 28.
Wood, Joseph T., Levelland, Tex. Plow attachment for tractors. 1,834,667; Dec. 1.
Wood, Leo E., Cerro Gordo, Iowa. Snowplow. 1,812,186; June 30.
Wood, Leonard, St. Louis, Mo. Self-supporting hose. 1,806,963; May 26.
Wood, Leonard C., Alden, Iowa. Road grader. 1,834,195; Dec. 1.
Wood, Lloyd E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Molded article. 1,802,101; Apr. 21.
Wood, Mary E., Kirksville, Mo. Hair-waving implement. 1,793,728; Feb. 24.
Wood, Minard F., Worcester, Mass. Utility cabinet. 1,831,727; Nov. 10.
Wood, Morris B., Somerville, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Isolated-phase switching apparatus. 1,790,689; Feb. 3.
Wood, Morris B., Somerville, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Outdoor switch house. 1,816,034; July 28.
Wood Newspaper Machinery Corporation. (See Jordhoy, Hans C., assignor.)
Wood Newspaper Machinery Corporation. (See Roesen, Oscar C., assignor.)

Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Wood, Norman F. (See Osborn, F. J., and Wood.)
Wood, Peirce M., New Rochelle, N. Y., assignor, by mesne assignments, to Hobart Manufacturing Company, Troy, Ohio. Conveyer mechanism for washing machines. 1,789,720; Jan. 20.
Wood, Percy F., Butler, Pa. Riveting apparatus. 1,801,651; Apr. 21.
Wood Preserving Corporation, The. (See Arnold, Walter P., assignor.)
Wood Process Company. (See Cline, McGarvey, assignor.)
Wood, Robert O., and B. L. West, Hamburg, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Apparatus for screening liquid materials. 1,810,935; June 23.
Wood, Robert T., Lakewood, Ohio, assignor to American Magnesium Corporation, Pittsburgh, Pa. Magnesium-tin-zinc alloys. 1,831,987; Nov. 17.
Wood, Rodney J., Dayton, Ohio, assignor to Remington Rand Inc., Buffalo, N. Y. File system. 1,819,666; Aug. 18.
Wood, Ronald M., South Farnborough, assignor to Handley Page Limited, Cricklewood, Middlesex, England. Wings and other aerofoils of aircraft. 1,806,379; May 19.
Wood, Rusling, East Orange, N. J., assignor to Rusling Wood Inc., New York, N. Y. Neckband for bottles. 1,793,348; Feb. 17.
Wood, Rusling, East Orange, N. J., assignor to Rusling Wood Inc., New York, N. Y. Advertising display device. 1,839,006; Dec. 29.
Wood, Rusling, Inc. (See Wood, Rusling, assignor.)
Wood, Thomas J. (See Rippl, F. J., and Wood.)
Wood, Thomas M., Boston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Auxiliary switch. 1,790,690; Feb. 3.
Wood, Vera L., et al, trustees. (See Coppus, Frans H. C., assignor.)
Wood, Walter. (See Camerota, Louis A., assignor.)
Wood, Walter C., Edgewood, R. I. Detachably connecting sails to spars. 1,798,772; Mar. 31.
Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Steam generator. 1,809,097; June 9.
Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Furnace for burning pulverized fuel. 1,811,657; June 23.
Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Steam generation. 1,811,658; June 23.
Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Steam generation. 1,828,483; Oct. 20.
Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Steam generator. 1,830,181; Nov. 3.
Wood, William B., Catonsville, Md. Identification plate holder. 1,830,729; Nov. 3.
Wood, William C., Davenport, Iowa. Flying toy. 1,807,365; May 26.
Wood, William C., assignor to The N. N. Hill Brass Company, East Hampton, Conn. Bell. 1,798,444; Mar. 31.
Wood, William C., assignor to The N. N. Hill Brass Company, East Hampton, Conn. Toy telephone. 1,809,881; June 16.
Wood, William D., et al. (See Oberdier, Frank R., assignor.)
Wood, William E. (See Bacheldor, W. H., and Wood.)
Wood, William G., assignor to American Woodlite Corporation, San Francisco, Calif. Light projecting reflector. 1,819,725; Aug. 18.
Wood, William G., assignor to American Woodlite Corporation, San Francisco, Calif. Light projector. 1,819,726; Aug. 18.
Wood, William H., Cleveland, Ohio. Vehicle headlight. 1,788,934; Jan. 13.
Wood, William H., South Euclid, Ohio. Vehicle headlight. 1,788,935; Jan. 13.
Wood, William H., South Euclid, Ohio. Lens. 1,788,936; Jan. 13.
Wood, William H., South Euclid, Ohio. Vehicle headlight. 1,788,937; Jan. 13.
Wood, William H., South Euclid, Ohio. Making punches for reflectors. 1,793,660; Feb. 24.
Wood, William H., South Euclid, Ohio. Lamp. 1,793,661; Feb. 24.
Wood, William H., South Euclid, Ohio. Headlight. 1,793,662; Feb. 24.
Wood, William H., South Euclid, Ohio. Headlight. 1,793,663; Feb. 24.
Wood, William H., South Euclid, Ohio. Vehicle lamp. 1,818,183; Aug. 11.
Wood, William H., South Euclid, and I. W. Crouse, Cleveland, Ohio. Signal system. 1,830,498; Nov. 3.
Woodall, Herbert J., and M. S. Randall, assignors to Woodall Industries Incorporated, Detroit, Mich. Automobile dash panel. 1,801,786; Apr. 21.
Woodall Industries Incorporated. (See Woodall, H. J., and Randall, assignors.)
Woodard, Hubbard Company. (See Fancher, C. J., and Johnson, assignors.)
Woodard, William E., Forest Hills, N. Y. Locomotive driving connection. 1,803,987; May 5.
Woodard, William E., Forest Hills, N. Y. Locomotive construction. 1,805,125; May 12.
Woodard, William E., Forest Hills, N. Y. Locomotive driving box and bearing therefor. 1,819,856; Aug. 18.
Woodard, William E., Forest Hills, N. Y. Locomotive. 1,838,725; Dec. 29.
Woodard, Silas H., New York, N. Y. Power plant. 1,833,146; Nov. 24.
Wood-Barrett Corporation, Ltd. (See Rutherford, Romilly T., assignor.)
Woodberry, David I. (See Davis, M. H., and Woodberry.)
Woodberry, John H., U. S. Army, Frankford Arsenal, Bridesburg, Pa. Booster. 1,810,000; June 16.
Woodbridge, Arthur L., Chicago, Ill. Stairway-platform construction. 1,789,574; Jan. 20.
Woodbridge, Arthur L., Chicago, Ill. Stairway construction. 1,792,792; Feb. 17.
Woodbridge, Charles K., New York, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn. Sound collecting and transmitting means. 1,804,485; May 12.
Woodbridge, Charles K., New York, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn. Sound collecting and transmitting. 1,827,719; Oct. 13.
Woodbridge, Joseph L., Philadelphia, Pa. System of electrical distribution. 1,795,462; Mar. 10.
Woodbridge, Joseph L., Philadelphia, Pa. Electric storage battery. 1,796,818; Mar. 17.
Woodbridge, Joseph L., Philadelphia, Pa. Storage battery. 1,816,035; July 28.
Woodbridge, Richard G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Propellent powder. 1,838,345; Dec. 29.
Woodbridge, Richard G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Propellent powder. 1,838,346; Dec. 29.
Woodbridge, Richard G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Propellent powder. 1,838,347; Dec. 29.
Woodburn, Charles T., Pitcairn, Pa. Contact staff for cranes. 1,819,010; Aug. 18.
Woodburn, Esli A. (See Schoonover, Noah E., assignor.)
Woodbury, Henry C., Berkeley, Calif. Distributor testing device. 1,819,312; Aug. 18.
Woodbury, John E., Worcester, Mass. Doctor cleaning device. 1,833,767; Nov. 24.
Woodcock, Reginald B. (See Gouldbourn, J., and Woodcock.)
Woodcock, Reginald B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Work-presenting device. 1,826,855; Oct. 13.
Woodcock, Virgil E., Washington, D. C., assignor to General Electric Company. Compressible pile rheostat. 1,807,366; May 26.
Woodcock, William G., H. A. E. Drescher, E. G. Beckett, and J. Thomas, assignors to Scottish Dyes Limited, Grangemouth, Scotland. Dyestuffs. 1,833,808; Nov. 24.
Woodcock, William G., H. A. E. Drescher, E. G. Beckett, and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Purification of 1-amino-2-chlor anthraquinone. 1,833,809; Nov. 24.
Wooden, Oscar J., Milwaukee, Wis. Store front. Des. 83,936; Apr. 14.
Wooden, Roy F., Mount Vernon, Ill. Adjustable and reversible propeller for aeroplanes or other aircraft. 1,806,325; May 19.
Woodfin, Frank W., Alcoa, Tenn. Automobile seat. 1,834,817; Dec. 1.
Woodford, Bronson C., J. Behle, and J. C. Conrad, assignors to The Murray Company, Dallas, Tex. Belt distributor for cotton gins. 1,799,544; Apr. 7.
Woodford, Joe C., Ardmore, Pa., assignor to Service Station Equipment Company, Bryan, Ohio. Air-service station. Re18,016; Mar. 31.
Woodford, Joseph C., assignor to Service Station Equipment Company, Bryan, Ohio. Retarding device. 1,801,032; Apr. 14.
Woodford, Joseph C., Ardmore, assignor to Service Station Equipment Company, Conshohocken, Pa. Fluid dispensing apparatus. 1,828,696; Oct. 20.
Woodford, Watson H., Bridgeport, Conn. Color display apparatus. 1,824,859; Sept. 29.
Woodford, Watson H., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Manufacture of paper tubes. 1,795,191; Mar. 3.
Woodford, Watson H., Bridgeport, Conn., assignor, by mesne assignments, to American Hair & Felt Company, Chicago, Ill. Ammunition. 1,834,364; Dec. 1.
Woodhead, Daniel. (See Kollath, Francis C., assignor.)
Woodhead, Harry S., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Electromagnetic relay. 1,816,165; July 28.
Woodhead, Peter. (See McGhee, T., and Woodhead.)
Woodhouse, John C., assignor to Du Pont Ammonia Corporation, Wilmington, Del. Gas purification. 1,821,195; Sept. 1.
Wooding, Benjamin F., deceased, Montclair, N. J.; D. T. Dobyns, administrator. Automatic controlling system for motor vehicles. 1,806,011; May 19.
Woodings, Emanuel, Oakmont, assignor to Woodings Forge & Tool Company, Verona, Pa. Reforming splice bars. 1,788,225; Jan. 6.
Woodings Forge & Tool Company. (See Woodings, Emanuel, assignor.)
Woodings-Verona Tool Works. (See Skowron, Edmund A., assignor.)

Woodjard, Guy L., San Diego, Calif., assignor to K. Laustrup. Paper and plaster foundation supporting device. 1,803,824; May 5.
Woodland, Percy T., Grahamstown, South Africa. Corn harvesting machine. 1,819,631; Aug. 18.
Woodman, Albert G., Grand Rapids, Mich. Beekeeper's veil. 1,791,609; Feb. 10.
Woodman, Commodore B., Oakland, assignor of one-third to O. Hoffman and one-third to A. J. Fleuti, San Francisco, Calif. Crock handle. 1,838,348; Dec. 29.
Woodman, Francis N., Clinton, Mass. Link conveyer belt. 1,836,422; Dec. 15.
Woodman, Francis N., Worcester, Mass. Link conveyor. 1,839,071; Dec. 29.
Woodman, Francis N., Clinton, Mass. Link conveyer belt. 1,839,072; Dec. 29.
Woodman, Francis N., Clinton, Mass., assignor to Wickwire, Spencer Steel Company, New York, N. Y. Radiator cabinet. Des. 85,608; Nov. 17.
Woodman, Francis N., Clinton, Mass., assignor to Wickwire Spencer Steel Company, New York, N. Y. Conveyer belt with reenforced raised edges. 1,790,782; Feb. 3.
Woodman, Francis N., Clinton, Mass., assignor to Wickwire Spencer Steel Company, New York, N. Y. Wear-resisting device for wire-conveyer belts. 1,800,880; Apr. 14.
Woodman, Francis N., Clinton, Mass., assignor to Wickwire Spencer Steel Company, New York, N. Y. Flanged conveyer belt. 1,817,117; Aug. 4.
Woodman, Francis N., Clinton, Mass., assignor to Wickwire Spencer Steel Company, New York, N. Y. Hinged conveyer belt. 1,828,304; Oct. 20.
Woodman, Francis N., Clinton, Mass. Conveyer belt. 1,829,773; Nov. 3.
Woodman, Harold F. (See Willson, E. A., Woodman, and Greig.)
Woodman Railway Supply Company. (See Burry, Vincent J., assignor.)
Woodmansee, John F., Milwaukee, Wis. Antiglare goggle. 1,801,406; Apr. 21.
Woodring, Alberto I., assignor of one-third to G. C. Kennedy, Waterloo, Iowa. Adjustable fishing gaff. 1,791,518; Feb. 10.
Woodring, Alberto I., assignor to National Safety Devices Company, Waterloo, Iowa. Percussion cutter. 1,796,905; Mar. 17.
Woodroof, Charles T. (See Woodroof, William W. and C. T.)
Woodroof, William W., Pittsburgh, Pa. Electrical signaling switch. 1,827,342; Oct. 13.
Woodroof, William W. and C. T., Wilkinsburg, Pa. Teetotum. Des. 84,388; June 9.
Woodruff, Charles E., Nashville, Tenn. Aero structure. 1,791,182; Feb. 3.
Woodruff, Charles W., Columbus, Ohio. System for minimizing static. 1,789,208; Jan. 13.
Woodruff, Frank O., Quincy assignor to Beckwith Manufacturing Company, Boston, Mass. Shoe stiffener material and making. 1,819,011; Aug. 18.
Woodruff, Frank O., Quincy, assignor to Harry H. Beckwith, Brookline, Mass. Rubber compound and making the same. 1,835,365; Dec. 8.
Woodruff, Frederick, East Orange, N. J. Holding device. 1,788,074; Jan. 6.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Drop-side car. 1,788,075; Jan. 6.
Woodruff, Graham C., Bronxville, assignor to The L. C. L. Corporation. Container freight car. 1,807,268; May 26.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Sectional freight car. 1,808,875; June 9.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Sectional carload container. 1,820,105; Aug. 25.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Running board for container cars. 1,830,307; Nov. 3.
Woodruff, James E., assignor to Belden Manufacturing Company, Chicago, Ill. Electric cable. 1,798,859; Mar. 31.
Woodruff, James E., assignor to Belden Manufacturing Company, Chicago, Ill. Electric cable. 1,798,860; Mar. 31.
Woodruff, John C., assignor to Commercial Solvents Corporation, Terre Haute, Ind. High pressure joint. 1,835,921; Dec. 8.
Woodruff, Joseph W., Elizabeth, N. J. High pressure lubricating apparatus. 1,804,449; May 12.
Woodruff, Joseph W., Elizabeth, N. J. Pressure greasing apparatus. 1,804,582; May 12.
Woodruff, Joseph W., Elizabeth, N. J. Cut off valve. 1,813,982; July 14.
Woodruff, Leonidas D. (See Hungerford, Wallace R., assignor.)
Woodruff, Louis F. (See Rogal, E., and Woodruff.)
Woodruff, Paul F., Fairport Harbor, Ohio. Free arch shoe. 1,833,628; Nov. 24.
Woodruff, William A., assignor to Bibb Manufacturing Company, Macon, Ga. Bobbin marking device. 1,825,567; Sept. 29.
Woodruff, William G., assignor to Tremont Nail Company, Wareham, Mass. Nail. 1,808,197; June 2.
Woods, Al. H. (See Pask, Stanley J., assignor.)
Woods Brothers Construction Company. (See Hough, Otto V., assignor.)
Woods, David M., assignor of one-half to J. H. Armstrong, Sacramento, Calif. Screen door catch. 1,808,394; June 2.
Woods, Fred, Liverpool, England, assignor to Radio Corporation of America. Radio direction finder. 1,788,758; Jan. 13.
Woods, Fred., Liverpool, England, assignor to Radio Corporation of America. Radio direction finder. 1,798,714; Mar. 31.
Woods, Gorham W., assignor to Hughes Tool Company, Houston, Tex. Electrical furnace. 1,830,686; Nov. 3.
Woods, John H., Hamilton, Ontario, Canada, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake application valve device. 1,810,547; June 16.
Woods, Leonard, St. Louis, Mo. Self-supporting hose. 1,813,266; July 7.
Woods, Leonard, St. Louis, Mo. Sock supporter. 1,827,343; Oct. 13.
Woods, Leonard G., Pittsburgh, Pa. Marker for pavements. 1,822,916; Sept. 15.
Woods, Reuben E., Owatonna, Minn. Drawing apparatus. 1,821,252; Sept. 1.
Woods, Robert G., assignor of one-half to J. E. McAninch, L. L. Brierly, and J. J. Engle, Newton, Iowa. Coating machine. 1,824,860; Sept. 29.
Woods, S. A., Machine Company. (See Blood, Laurence E., assignor.)
Woods, S. A., Machine Company. (See Blood, L. E., and Wiard, assignors.)
Woods, S. A., Machine Company. (See Blood, L. E., and Young, assignors.)
Wood's, T. B., Sons Company. (See Bailey, Charles E., assignor.)
Woods, William J., and D. E. Gray, assignors to Corning Glass Works, Corning, N. Y. Glass-working machine. 1,790,397; Jan. 27.
Woods, William J., assignor to Corning Glass Works, Corning, N. Y. Drawing glass. 1,829,429; Oct. 27.
Woodsmall, Harry C. (See James, P. H., and Woodsmall.)
Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric heating unit. 1,823,925; Sept. 22.
Woodstock Typewriter Company. (See Hokanson, Otto A., assignor.)
Woodstock Typewriter Company. (See Youngberg, Conrad D., assignor.)
Woodstock, Willard H., and G. A. McDonald, Chicago Heights, Ill., assignors to Victor Chemical Works. Manufacture of phosphorus sulphochloride. 1,811,602; June 23.
Woodward, Alva W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Latching device for split rims. 1,805,062; May 12.
Woodward, Arthur A., assignor to Skinner Motors, Inc., Detroit, Mich. Internal-combustion engine lubrication system. 1,821,999; Sept. 8.
Woodward, Daniel C., Lowell, Mass. Oil burner boiler. 1,809,920; June 16.
Woodward, Edgar F., assignor to Lewis C. Van Riper, Brooklyn, N. Y. Dust collector. 1,821,824; Sept. 1.
Woodward, Edgar F., assignor to L. C. Van Riper, Brooklyn, N. Y. Reenforcing porous paper. 1,831,403; Nov. 10.
Woodward, Erwin. (See Shuey, P. M., and Woodward.)
Woodward, Frederick R., Newton, assignor to Stowe & Woodward Company, Newton, Upper Falls, Mass. Roll. Re18,111; June 23.
Woodward, Frederick R., Newton, assignor to Stowe & Woodward Company, Newton Upper Falls, Mass. Roll. 1,787,890; Jan. 6.
Woodward, Frederick R., Attleboro, Mass., assignor to The Alvin Corporation, Providence, R. I. Spoon or similar article. Des. 84,312; June 2.
Woodward, Hubbard Company. (See Fancher, C. J., and Fancher, assignors.)
Woodward, Hubbard Company. (See Fancher, C. J., and Johnson, assignors.)
Woodward, Lewis A., Frederick, Md. Organ valve. 1,827,864; Oct. 20.
Woodward, Marion H., Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Interpolating signal in high-speed telegraph circuits. 1,788,477; Jan. 13.
Woodward, Marion H., Brooklyn, assignor to International Communications Laboratories, Inc., New York, N. Y. Communication signaling system. 1,834,265; Dec. 1.
Woodward, Roland W. (See Gammell, Ove L., and Woodward.)
Woodward, William B., Washington, D. C., assignor to Joseph Shapiro, Baltimore, Md. Blade sharpener. 1,806,437; May 19.
Woodweb Shade Manufacturers, Inc. (See Boehm, Carl N., assignor.)
Woodworking Machinery Company. (See Dannehower, Gilbert L., assignor.)
Woodworth, Charles B., Port Dickinson, N. Y. Automobile tire. 1,808,278; June 2.
Woodworth, John L., Schenectady, N. Y., assignor to General Electric Company. High-frequency repeater. 1,796,071; Mar. 10.

Woodworth, John L., Schenectady, N. Y., assignor to General Electric Company. Selective control system. 1,816,755; July 28.
Woodworth, Leon B., Johannesburg, Transvall, South Africa. Isolating plugging-in box for electric power cables. 1,798,244; Mar. 31.
Woody, Spencer C., Seattle, Wash. Peripheral jet pump. 1,814,613; July 14.
Woodyatt, Rollin T., Chicago, Ill. Hypodermic syringe. 1,801,475; Apr. 21.
Wool, Frank W. (See Wool, Morris, and F. W.)
Wool, Morris, and F. W. Wool, Burlington, Vt. Flashing. 1,833,730; Nov. 24.
Woolcott, William, Winchester, Ky. Weatherproof adjustable canopy for vehicles. 1,827,059; Oct. 13.
Wooldridge, Charles L., Inc. (See Wooldridge, Charles L., assignor.)
Wooldridge, Charles L., assignor to Charles L. Wooldridge, Inc., Pittsburgh, Pa. Stairway step. 1,815,126; July 21.
Wooldridge, J. W. (See Edwards, Albert, assignor.)
Wooldridge, Mack, Los Angeles, Calif. Earth-moving implement. 1,788,698; Jan. 13.
Wooldridge, William J., Mansfield, Ohio. Fountain pen. 1,826,195; Oct. 6.
Wooler, Ernest, assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing. 1,787,712; Jan. 6.
Woolery, Horace E., St. Paul, assignor to Woolery Machine Company, Minneapolis, Minn. Railway bolt tightener. 1,807,367; May 26.
Woolery Machine Company. (See Woolery, Horace E., assignor.)
Woolever, Herbert A., Orange, Pa. Nut wrench. 1,807,080; May 26.
Wooley, Ernest G., assignor of forty-five one-hundredths to C. A. Nath and ten one-hundredths to J. L. Lorenzen, Wichita, Kans. Motor cleaning means. 1,820,552; Aug. 25.
Woolf, Wallace G. (See Crutcher, E. R., Waltman, and Wolf.)
Woolley, Ernest S., Chicago, Ill. Necktie holder. 1,800,921; Apr. 14.
Woolley, Frank A., Sidney, Ohio. Collapsible display stand. 1,834,196; Dec. 1.
Woolley, Horace M., jr., San Francisco, Calif. Hanger for concrete construction forms. 1,830,251; Nov. 3.
Woolley, Jedediah F., jr., and L. J. Long, Salt Lake City, Utah. Trolley switch. 1,810,548; June 16.
Woolley, Rew E., Schenectady, N. Y., assignor, by mesne assignments, to Bailey Meter Company. U-tube for vacuum gauges and the like. 1,794,268; Feb. 25.
Woolley, William J., Chicago, Ill. Overflow and waste valve. 1,793,534; Feb. 24.
Woolman, Leo, et al. (See Josephs, Henry, assignor.)
Woolnough, Albert E., St. Albans, L. I., assignor to Stephen Slesinger, Inc., New York, N. Y. Toy animal. Des. 83,297; Feb. 10.
Woolrich, Edward S., Cleveland Heights, Ohio, assignor, by mesne assignments, to Flexlume Corporation, Tonawanda, N. Y. Neon sign. 1,827,275; Oct. 13.
Woolridge, Charles L., assignor to Charles L. Woolridge, Inc., Pittsburgh, Pa. Lattice beam. 1,813,373; July 7.
Woolsey, Naomi H., Los Angeles, Calif. Thread cutter for sewing machines. 1,813,374; July 7.
Woolsey, Charles A., and H. V. Bowman, Minneapolis, Minn. Crate. 1,825,032; Sept. 29.
Woolsin, Lionel M. (See Widmann, A., and Woolson.)
Woolson, Harry T., assignor to Chrysler Corporation, Detroit, Mich. Oil filter. 1,800,585; Apr. 14.
Woolson, Harry T., Detroit, Mich., and A. O. Burgess, Brooklyn, N. Y., assignors to Chrysler Corporation, Detroit, Mich. Valve. 1,826,160; Oct. 6.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,788,140; Jan. 6.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,793,150; Feb. 17.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,794,947; Feb. 24.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,799,271; Apr. 7.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Carburetor. 1,803,684; May 5.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,820,106; Aug. 25.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,836,217; Dec. 15.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 1,836,637; Dec. 15.
Woolwine, Howard C., Fayetteville, W. Va. Shower bath. 1,826,336; Oct. 6.
Woonsocket Rubber Company. (See Rice, Harold D., assignor.)
Woop, William, Farmingdale, N. Y. Aquatic device. 1,795,066; Mar. 3.
Wooster, John J. (See White, F. R., and Wooster.)
Wooster, Floyd R., Walden, N. Y. Combined loading and dump car. 1,826,915; Oct. 13.
Wooster, Philip A., San Francisco, Calif. Soap-dispenser. Des. 85,564; Nov. 10.
Wooten, Wesley M., et al. (See Geer, Paul L., assignor).
Worbois, Homer L., Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich. Crank-case-ventilating system for internal-combustion engines. 1,792,560; Feb. 17.
Worcester Knitting Company, The. (See Neveu, Albert A., assignor.)
Worcester Loom Works. (See Alvord, Charles C., assignor.)
Worcester Loom Works. (See Alvord, Clinton, assignor.)
Worcester Loom Works. (See Shannon, Henry W., assignor.)
Worcester Polytechnic Institute. (See Rawson, Louis W., assignor.)
Worden, Edward C., 1st., Millburn, N. J., assignor to Hanson & Orth, New York, N. Y. Manufacture of cellulose material from musa fibers. 1,814,106; July 14.
Worden, Floyd, Alliance, Nebr. Toy. 1,793,831; Feb. 24.
Worden, Francis G., Brinkley, Ark. Stuffing box. 1,811,814; June 23.
Work, Lincoln T., Yonkers, E. S. Imes, New York, and E. A. Everett, Long Island City, N. Y.; said Work and said Imes assignors to said Everett. Electrical resistance composition. 1,818,184; Aug. 11.
Work, Ransom, Springfield, Mass. Distributing apparatus. 1,830,499; Nov. 3.
Working, Earl B., Manhattan, Kans., assignor to American Lecithin Corporation, Atlanta, Ga. Shortening composition and method. 1,831,728; Nov. 10.
Workman Clark (1928) Limited. (See Smith, Ewen H., assignor.)
Workman, Ellison E., Montreal, Quebec, assignor to himself and E. A. Robinson, Montreal, Canada. Terminal tube adjustment for train connecters. 1,820,337; Aug. 25.
Workman, Harold, Glasgow, Scotland. Motor car head lamp. 1,831,279; Nov. 10.
Workman, Walter W., Philadelphia, Pa. Berry box crate. 1,838,726; Dec. 29.
World Bestos Corporation. (See Brockway, Carl P., assignor.)
World Bestos Corporation. (See Heany, John A., assignor.)
World Bestos Corporation. (See Nanfeldt, William, assignor.)
Worlein, Valentin C., Chicago, Ill. Vehicle spring snubber. 1,805,350; May 12.
Worley, George I., Willoughby, assignor to The McNeil Boiler Company, Akron, Ohio. Tractor attachment for trucks. 1,821,196; Sept. 1.
Worlund, John A., Wisconsin Rapids, Wis. Tire-splitting apparatus. 1,795,920; Mar. 10.
Wormley, Jonathan R., Ransom, Ill. Motor and power transmission apparatus. 1,799,772; Apr. 7.
Worms, Sidney, New Rochelle, J. Kellner, and F. Hug, Brooklyn, assignors to Franklin Knitting Mills, Inc., New York, N. Y. Auxiliary needle helper for jacquard knitting machines. 1,788,502; Jan. 13.
Wormser, Arthur, Offenbach-on-the-Main, Germany. Sheet-feeding apparatus. 1,799,997; Apr. 7.
Wörner, Albert, Stuttgart-Cannstatt, Germany. Vitaminizing food product. 1,796,134; Mar. 10.
Wörner, Anton, Vaihingen-on-the-Fildern, Germany. Pressed collector. 1,816,629; July 28.
Worrall, Arthur G., assignor to L. J. Kolb, trading as Safetee Glass Company, Philadelphia, Pa. Glass washing machine. 1,817,332; Aug. 4.
Worrall, Arthur G. (See Hackett, R. W., and Worrall.)
Worrall, Fredrick C. (See Jali, P. V., and Worrall.)
Worrall, Robert H., Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Harmonic frequency selector and amplifier circuit. 1,834,233; Dec. 1.
Worrell, Arthur, St. Joseph, Mo. Change making machine. 1,830,730; Nov. 3.
Worrell, Howard S., Ardmore, Pa., assignor to Dictaphone Corporation, Bridgeport, Conn. Telephone recording system. 1,823,717; Sept. 15.
Worst, George J., Philadelphia, Pa. Chute. 1,810,512; June 16.
Worswick, Ray C., Roswell, N. M. Drain filter. 1,817,283; Aug. 4.
Worth, William E., North Pelham, N. Y., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heat regulating device. 1,828,553; Oct. 20.
Worthen, Spencer L. (See Hoyt, Aaron, assignor.)
Worthington, Charles C., Dunfield, N. J. Lawn tractor. 1,793,271; Feb. 17.
Worthington, Charles C., Dunfield, N. J. Motor gang lawn mower. 1,794,880; Mar. 3.
Worthington, Charles C., Dunfield, N. J. Lawn mower cutter release. 1,802,746; Apr. 28.
Worthington, Charles C., Dunfield, N. J., assignor to Worthington Mower Company. Lawn mowing apparatus. 1,825,109; Sept. 29.
Worthington, Everett. (See Rancorn, J. A., and Worthington.)
Worthington, Everett, Chicago, Ill., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Radiocabinet. Des. 83,024; Jan. 6.

Worthington, Everett, Chicago, Ill., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Radiocabinet. Des. 83,381; Feb. 17.
Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or the like. Des. 84,800; Aug. 4.
Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or the like. Des. 84,969; Aug. 25.
Worthington, Everett, Chicago, Ill., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or the like. Des. 84,970; Aug. 25.
Worthington, Everett, assignor to The Hammond Clock Company, Chicago, Ill. Clock case. Des. 85,071; Sept. 8.
Worthington, Everett, assignor to The Hammond Clock Company, Chicago, Ill. Clock case. Des. 85,072; Sept. 8.
Worthington, Everett, assignor to L. Eschner, Chicago, Ill. Cigar and cigarette lighter. Des. 85,073; Sept. 8.
Worthington, George F., sr. (See Johnson, A., jr., and Worthington.)
Worthington, Glenn E., Yonkers, N. Y. Pipe coupling. 1,790,398; Jan. 27.
Worthington, John T. (See Eddy, H. C., Worthington, and Mahone.)
Worthington, John T., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Treater having combined electric field and washer. 1,838,977; Dec. 29.
Worthington, John T., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Combination concentrated field circulating treater. 1,838,978; Dec. 29.
Worthington, John T., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrator having radial Venturi-type electrodes. 1,838,979; Dec. 29.
Worthington, John T., Long Beach, and H. C. Eddy, assignors to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrator with centrifugal discharge electrodes. 1,838,980; Dec. 29.
Worthington, Joseph L., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Treater having revolving electrode with wave shaped arms. 1,838,976; Dec. 29.
Worthington Mower Company. (See Worthington. Charles C., assignor.)
Worthington Pump and Machinery Corporation. (See Benson, Harry F., assignor.)
Worthington Pump and Machinery Corporation. (See Gilman, George H., assignor.)
Worthington Pump and Machinery Corporation. (See Grace, John F., assignor.)
Worthington Pump and Machinery Corporation. (See Kenworthy, Clarence S., assignor.)
Worthington Pump and Machinery Corporation. (See Lehn, Henry C., assignor.)
Worthington Pump and Machinery Corporation. (See Macmeeken, John W., assignor.)
Worthington Pump and Machinery Corporation. (See McBride, Thomas C., assignor.)
Worthington Pump and Machinery Corporation. (See Riesner, Michael, assignor.)
Worthington Pump and Machinery Corporation. (See Saharoff, Alexander V., assignor.)
Worthington, Wayne H., Battle Creek, Mich., assignor to Gleaner Combine Harvester Corporation, Independence, Mo. Tilting mechanism for harvesters. 1,824,861; Sept. 29.
Wosk, Issidore, New York, N. Y. Life saving appliance. 1,837,089; Dec. 15.
Wosse, Gerd, Chicago, Ill. Eyebrow stencil. 1,812,425; June 30.
Wotnoske, Fred C., assignor to Metal Forms Corporation, Milwaukee, Wis. Spreader device for concrete forms. 1,815,368; July 21.
Woycheshin, Sill, Marlin, Tex. Plow. 1,804,910; May 12.
Woytych, Raymond M. (See Kempton, H. E., Gallimore, and Woytych.)
Wozasek, Oscar J. (See Guthrie, R. G., and Wozasek.)
Wozencraft, Mary V., and M. E. Wright, assignors to Wright Clothing Manufacturing Company, Dallas, Tex. Brassière. 1,838,604; Dec. 29.
Wozniak, Joseph, and E. G. Bremforder, Detroit, Mich. Slicing apparatus. 1,834,300; Dec. 1.
Wragg, Laura A., New London, Conn. Drapery pin. 1,828,012; Oct. 20.
Wray, Charles F., assignor to National Brass Manufacturing Company, Rochester, N. Y. Valve structure. 1,825,568; Sept. 29.
Wray, Charles F., assignor to National Brass Manufacturing Company, Rochester, N. Y. Valve structure. 1,833,193; Nov. 24.
Wray, Curtis M., La Fayette, Ind. Lightning arrester. 1,808,876; June 9.
Wray, Daniel L., Shorham-by-Sea, and H. G. Chrismas, Cranleigh, England. Apparatus for recording the delivery of measured quantities of liquids. 1,812,576; June 30.
Wread, William E., Los Angeles, Calif., assignor, by mesne assignments, to McKinney Manufacturing Company, Pittsburgh, Pa. Lock. 1,835,130; Dec. 8.
Wren, Carl I., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Indexing mechanism. 1,789,485; Jan. 20.
Wrenshall, Charles N., Asheville, N. C. Eyeshield. 1,809,956; June 16.
Wright Aeronautical Corporation. (See Bleecker, Maitland B., assignor.)
Wright Aeronautical Corporation. (See Chilton, Roland, assignor.)
Wright, Albert F. J., Walthamstow, England. Gramophone-tone-arm joint. 1,792,957; Feb. 17.
Wright, Alfred, Parry Sound, Ontario, Canada. Swivel attachment plug. 1,822,985; Sept. 15.
Wright, Alfred J. F., Toronto, Ontario Canada. Muffler. 1,797,310; Mar. 24.
Wright, Alfred R., Essex, Conn. Card table. 1,811,526; June 23.
Wright, Arch C. (See Sims, A. D., and Wright.)
Wright, Art, Austin, Minn. Carburetor attachment. 1,792,884; Feb. 17.
Wright, Arthur, Upper Montclair, N. J. Drying apparatus. 1,803,450; May 5.
Wright, Arthur, Upper Montclair, and F. W. Young, Verona, N. J. Filter. 1,825,295; Sept. 29.
Wright, Arthur F., and H. Houle, Helena, Mont. Dirigible headlight. 1,798,051; Mar. 24.
Wright, Carl H. (See Newhouse, George A., assignor.)
Wright, Carl J., West New Brighton, assignor to Combustion Utilities Corporation, New York, N. Y. Manufacture of lead oxides. 1,800,239; Apr. 14.
Wright, Carl L. (See De Witt, Arthur R., assignor.)
Wright, Charles A., Lakewood, Ohio, assignor to National Carbon Company. Battery charging unit. 1,807,331; May 26.
Wright, Charles G., Richmond Hill, N. Y., assignor, by mesne assignments, to Bucyrus-Erie Company, South Milwaukee, Wis. Hoisting device. 1,836,218; Dec. 15.
Wright, Clarence, assignor to Wright Rubber Products Company, Racine, Wis. Paving block. 1,796,973; Mar. 17.
Wright, Claude R. (See Quillin, O. I., and Wright.)
Wright Clothing Manufacturing Company. (See Wozencraft, M. V., and Wright, assignors.)
Wright, Clyde S., assignor to The National Supply Company, Toledo, Ohio. Spudding shoe. 1,828,269; Oct. 20.
Wright, Corwin R., Detroit, Mich. Internal-combustion engine. 1,790,256; Jan. 27.
Wright, Daniel K., Cleveland Heights, Ohio, assignor to General Electric Company. Electric lamp. 1,809,661; June 9.
Wright, David E., Weyers Cave, Va. Traveling bag. 1,826,976; Oct. 13.
Wright, Edward A., Wichita, Kans. Boat. 1,837,641; Dec. 22.
Wright, Edward L., Chicago, Ill. Roulette wheel. 1,824,647; Sept. 22.
Wright, Edwin C., Ellwood City, Pa., assignor to National Tube Company. Pickling bath and inhibitor therefor. 1,792,958; Feb. 17.
Wright, Ernest H., Kansas City, Mo. Meat cure and manufacturing the same. 1,792,561; Feb. 17.
Wright, Esmond P. G., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone exchange system. 1,809,882; June 16.
Wright, Esmond P. G., Aldwych, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Automatic or semiautomatic telephone exchange system. 1,813,555; July 7.
Wright, Esmond P. G., Croydon, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,818,026; Aug. 11.
Wright, Esmond P. G., Aldwych, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Circuit arrangement for automatic and semi-automatic telephone exchange systems. 1,821,998; Sept. 8.
Wright, Esmond P. G., Aldwych, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Automatic or semi-automatic telephone system. 1,829,774; Nov. 3.
Wright, Frank G., San Diego, Calif. Floor waxer. 1,794,048; Feb. 24.
Wright, Fred A., Carson City, Mich., assignor to The Wright Manufacturing Company. Sectional knockdown holder. 1,832,801; Nov. 17.
Wright, George J., Brookline, assignor to M. Wright, Quincy, Mass. Rear-curtain-operator device. 1,796,974; Mar. 17.
Wright, George J., Brookline, assignor to Mary Wright, Quincy, Mass. Shade roller. 1,821,045; Sept. 1.
Wright, George J., Boston, assignor to Mary Wright, Quincy, Mass. Rear curtain operator device. 1,820,292; Aug. 25.
Wright, George M., Great Baddow, Chelmsford, England, assignor to Radio Corporation of America. Facsimile system. 1,809,617; June 9.
Wright, George M., Great Baddow, Chelmsford, England, assignor to Radio Corporation of America. Time period device. 1,832,345; Nov. 17.

Wright, George M., Great Baddow, Chelmsford, England, assignor to Radio Corporation of America. Kerr cell and control means therefor. 1,834,117; Dec. 1.
Wright, George M., Chesterfield, and S. B. Smith, Chelmsford, England, assignors to Radio Corporation of America. Signal transmitting system. 1,804,136; May 5.
Wright, Gilbert S., Buffalo, N. Y. Combined level and protractor. 1,802,131; Apr. 21.
Wright, Gordon E. P., Ford City, Pa., assignor to Pittsburgh Plate Glass Company. Plate-glass-inspection apparatus. 1,798,573; Mar. 31.
Wright, Gordon E. P., Ford City, and E. G. Maxwell, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Packing cradle. 1,798,574; Mar. 31.
Wright, Harry A., Springfield, Mass. Outlet support. 1,829,775; Nov. 3.
Wright, Harry A., Springfield, Mass. Outlet box. 1,829,776; Nov. 3.
Wright, Harry P., assignor of one-half to Maurice Daniels, Caribou, Me. Fertilizer disk mixer. 1,821,048; Sept. 1.
Wright, Harry R., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Wire skinning machine. 1,802,453; Apr. 28.
Wright, Henry H., assignor to M. S. Wright Company, Worcester, Mass. Vacuum-cleaning-machine attachment. 1,795,533; Mar. 10.
Wright, Henry H., assignor, by mesne assignments, to The Sweeper-Vac Company, Worcester, Mass. Cleaner apparatus. 1,838,205; Dec. 29.
Wright, Horace C., Oak Park, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Hose coupling. 1,790,891; Feb. 3.
Wright, Ivan B., Seattle, Wash. Wire tying machine. 1,836,518; Dec. 15.
Wright, James A., Montreal, Quebec, Canada. Motor vehicle with front wheel drive. 1,802,191; Apr. 21.
Wright, James A., Montreal, Quebec, Canada. Dump truck. 1,812,915; July 7.
Wright, James A., Montreal, Quebec, Canada. Steering mechanism. 1,821,458; Sept. 1.
Wright, James C., Canton, Ga., assignor to Draper Corporation, Hopedale, Mass. Filling fork grid and clearer for looms. 1,819,939; Aug. 18.
Wright, James G. E., Alplaus, N. Y., assignor to General Electric Company. Treating metals. 1,829,623; Oct. 27.
Wright, Jesse C., Los Angeles, Calif. Well drilling bit. 1,805,899; May 19.
Wright, Jesse C., Huntington Park, and L. F. Bonney, Los Angeles, Calif., assignors to Wieman, Kammerer, Wright Co., Inc. Well bit. 1,805,898; May 19.
Wright, Jesse C., Huntington Park, and L. F. Bonney, Los Angeles, Calif., assignors to Wieman, Kammerer, Wright Co., Inc. Core drill. 1,813,375; July 7.
Wright, Jesse C., Huntington Park, and L. F. Bonney, Los Angeles, Calif., assignors to Wieman, Kammerer, Wright Co., Inc. Well drilling bit. 1,836,638; Dec. 15.
Wright, John E., Wheeling, W. Va. Method and apparatus for manufacturing castings. 1,813,721; July 7.
Wright, John E., assignor to The Tabulating Machine Company, New York, N. Y. Tabulating machine. 1,821,046; Sept. 1.
Wright, Joseph. (See Goodyear, E. F., and Wright.)
Wright, Joseph, Coventry, England, assignor to Dunlop Rubber Company Limited, Fort Dunlop, Birmingham, England. Wheel for vehicles. 1,836,739; Dec. 15.
Wright, Joseph T., Cincinnati, assignor, by mesne assignments, to The Harris-Seybold-Potter Company, Cleveland, Ohio. Sheet feeding machine. 1,823,182; Sept. 15.
Wright, Joseph T., Cincinnati, assignor, by mesne assignments, to The Harris-Seybold-Potter Company, Cleveland, Ohio. Drill head. 1,835,551; Dec. 8.
Wright, Joseph T., and J. T. Rowell, Cincinnati, assignors, by mesne assignments, to The Harris-Seybold-Potter Company, Cleveland, Ohio. Clutch. 1,823,223; Sept. 15.
Wright, Kenneth A., et al. (See Hamer, Leland S., assignor.)
Wright, Kirk K., Kenmore, N. Y. Process of and apparatus for pasteurizing. 1,823,637; Sept. 15.
Wright, Leonard J., Jackson Heights, and W. P. MacLeod, New York, N. Y. Surgical instrument. 1,831,280; Nov. 10.
Wright, Leonard K., Astoria, Long Island City, N. Y. Compression refrigerating apparatus. 1,809,957; June 16.
Wright, Leonard K., Jackson Heights, Long Island, N. Y. Refrigeration apparatus. 1,809,958; June 16.
Wright, Leonard K., Jackson Heights, N. Y. Refrigerant. 1,813,335; July 7.
Wright, Leonard K., Jackson Heights, N. Y. Refrigerant. 1,813,336; July 7.
Wright, Leonard K., Jackson Heights, N. Y. Valve. 1,819,452; Aug. 18.
Wright, Leonard K., Jackson Heights, assignor of twenty-two per cent to N. Di Marco, twenty-two per cent to V. Camizzi, and twenty-two per cent to H. Viscardi, Corona, N. Y. Eraser. 1,826,587; Oct. 6.
Wright, Leonard K., Jackson Heights, Long Island, assignor of twenty-two per cent to N. Di Marco, twenty-two per cent to V. Camizzi, and twenty-two per cent to H. Viscardi, Corona, N. Y. Perfume dispenser. 1,839,073; Dec. 29.
Wright, Leonard K., Long Island, N. Y. Refrigeration apparatus. 1,814,358; July 14.
Wright, Leslie E., Napa, Calif. Luminous fish lure. 1,833,241; Nov. 24.
Wright Manufacturing Company, The. (See Wright, Fred A., assignor.)
Wright Manufacturing Company. (See Wright, W. F., and Jenks, assignors.)
Wright, M. S. Company. (See Wright, Henry H., assignor.)
Wright, Mary. (See Wright, George J., assignor.)
Wright, Mayme E. (See Wozencraft, M. V., and Wright.)
Wright, Newell L., Port Alberni, British Columbia, Canada. Rigging plate. 1,796,913; Mar. 17.
Wright, Norman A., assignor to Pontiac Tractor Company, Pontiac, Mich. Post hole digging machine. 1,836,055; Dec. 15.
Wright, Norman A., assignor to Pontiac Tractor Company, Pontiac, Mich. Propelling mechanism for rotatably adjustable machines. 1,836,056; Dec. 15.
Wright, Olive P., executrix. (See Wright, Paul D.)
Wright, Orion B., assignor of one-half to A. Domenizian, Miami, Ariz. Valve. 1,798,293; Mar. 31.
Wright, Orville C., St. Louis, Mo. Control for fluid pressure brakes. 1,823,225; Sept. 15.
Wright, Oscar E. (See Schmidt, J. F., Erhart, and Wright.)
Wright, Parvin, Seattle, Wash. Apparatus for treating wires. 1,804,486; May 12.
Wright, Parvin, Seattle, Wash. Instrument for locating storm zones. 1,836,423; Dec. 15.
Wright, Parvin, Seattle, Wash., assignor to A. J. Gerrard, Menlo Park, Calif. Band fastening machine. 1,836,147; Dec. 15.
Wright, Paul, Birmingham, Ala. Boiler. 1,827,865; Oct. 20.
Wright, Paul D., by O. P. Wright, executrix, Edgewood, Pa. Tuyère. 1,837,090; Dec. 15.
Wright, Paul M., Omaha, Nebr. Comb cleaner. 1,808,486; June 2.
Wright, Rea P., Washington, D. C., assignor to Marvel Carburetor Company, Flint, Mich. Heat controlling change forming devices. 1,803,784; May 5.
Wright, Rea P., Washington, D. C., assignor to Marvel Carbureter Company, Flint, Mich. Heat controlling charge forming devices. 1,821,047; Sept. 1.
Wright, Reginald A. (See Stokes, W. E., and Wright.)
Wright, Richard H. (See Dalton, John T., assignor.)
Wright, Robert L., and H. D. Collins, assignors to Gypsy Oil Company, Tulsa, Okla. Sucker rod box cleaner. 1,807,114; May 26.
Wrights' Ropes Limited. (See Jenkin, Robert C. G., assignor.)
Wright Rubber Products Company. (See Wright, Clarence, assignor.)
Wright, Samson D., Cleveland Heights, Ohio. Safety means for material-transfer devices. 1,795,103; Mar. 3.
Wright, Samson D., Cleveland Heights, Ohio. Coke plant apparatus. 1,836,219; Dec. 15.
Wright, Stanley M., and A. D. McGill, Denver, Colo. Fish lure and making the same. 1,813,722; July 7.
Wright, Stanton M. (See Wright, W. L. and S. M.)
Wright, Sumner B. (See Crisson, G., and Wright.)
Wright, Sumner B., South Orange, N. J., and D. Mitchell, New York, N. Y., assignors to American Telephone and Telegraph Company. Controlling sensitivity of voice operated devices. 1,814,017; July 14.
Wright, Sumner B., South Orange, N. J., and D. Mitchell, New York, N. Y., assignors to American Telephone and Telegraph Company. Controlling sensitivity of voice operated devices. 1,814,018; July 14.
Wright, Walter. (See Del Mar, Harry, assignor.)
Wright, Walter D., Tacoma, Wash. Film-fire extinguisher. 1,790,565; Jan. 27.
Wright, Walter D., Tacoma, Wash. Film-fire extinguisher. 1,790,566; Jan. 27.
Wright, Walter L. and S. M., Los Angeles, Calif. Motion picture projector. 1,817,026; Aug. 4.
Wright, Wilbur L., assignor to Oswego Falls Corporation, Fulton, N. Y. Sheet material container for bulk ice cream and other products. 1,808,975; June 9.
Wright, Wilbur L., Fulton, and J. T. Bond, Phoenix, assignors to Oswego Falls Corporation, Fulton N. Y. Bottoming paper containers. 1,809,006; June 9.
Wright, William, assignor to Oklahoma Iron Works, Tulsa, Okla. Drill bit. 1,807,646; June 2.
Wright, William, assignor to Oklahoma Iron Works, Tulsa, Oklahoma. Bull wheel. 1,831,833; Nov. 17.
Wright, William F., York, and J. S. Jenks, Pittsburgh, assignors to Wright Manufacturing Company, York, Pa. Derrick. 1,835,623; Dec. 8.
Wright, William H., assignor to Schenectady Varnish Company, Schenectady, N. Y. Composition. 1,802,071; Apr. 21.
Wright, William H., assignor to Schenectady Varnish Company, Schenectady, N. Y. Composition and article impregnated and coated therewith. 1,833,810; Nov. 24.
Wright, William M. (See Hickey, J., and Wright.)
Wrighton, William J., and E. D. Tillyer, assignors to American Optical Company, Southbridge, Mass. Trial frame. 1,794,571; Mar. 3.

Wrighton, William J., and E. D. Tillyer, assignors to American Optical Company, Southbridge, Mass. Plating. 1,797,254; Mar. 24.
Wrightsman, Philip G., Chester, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitrated glucoside explosive and producing the same. 1,836,568; Dec. 15.
Wrigley, Henry I., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Railway car frame. 1,815,175; July 21.
Wrigley, Henry I., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Slack adjuster for railway car brakes. 1,834,081; Dec. 1.
Wrigley, Wm., jr., Company. (See Melville, Herbert J., assignor.)
Wrigley, Wm., Jr., Company. (See Ranney, W. B., and Johnson, assignors.)
Wrisley, Allen B., Co. (See Luckow, Elmer R., assignor.)
Wroclawski, Valenty, assignor of one-fourth to J. B. Ciszewski, Chicago, Ill. Car-coupling device. 1,788,788; Jan. 13.
Wrona, Casimir, Ugine, France. Rotary pump. 1,805,063; May 12.
Wuelker, William E., San Francisco, Calif. Lamp. 1,821,955; Sept. 8.
Wuenn, Edward, Chicago, Ill. Radiocabinet. Des 85,074; Sept. 8.
Wuenn, Edward, Chicago, Ill., assignor to Radio Cabinet Manufacturing Corporation. Radiocabinet. Des. 83,382; Feb. 17.
Wuerfel, William, assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring. 1,813,791; July 7.
Wuerfel, William, assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring. 1,813,792; July 7.
Wuertz, Rudolph, Reading, Pa. Thread-tensioning device. 1,799,666; Apr. 7.
Wujcik, Wojciech W., Chicago, Ill. Furniture piece. 1,788,039; Jan. 6.
Wulfert, Otto, assignor to Wagner Electric Corporation, St. Louis, Mo. Sheet metal governor weight. 1,809,007; June 9.
Wulff, Carl. (See Hofmann, F., and Wulff.)
Wülfing, Johann A. (See Busch, Albert, assignor.)
Wulico Battery Corporation. (See Rupp, John L., assignor.)
Wulkow, Karl, Berlin-Neukolln, assignor to the Firm Photogrammetrie G. m. b. H., Munich, Germany. Stereoisohypsograph. 1,827,551; Oct. 13.
Wulle, William A. (See Dake, C. W., and Wulle.)
Wulle, William A., Chicago, Ill. Conduit. 1,799,941; Apr. 7.
Wulle, William A., assignor to The Pyle-National Company, Chicago, Ill. Aviation light. 1,788,650; Jan. 13.
Wulle, William A., assignor to The Pyle-National Company, Chicago, Ill. Combined switch and terminal block. 1,818,290; Aug. 11.
Wunderlich, Christian J., Mitchell, S. Dak. Door. 1,794,938; Mar. 3.
Wunderlich, Milton S., assignor to Flaxlinum Insulating Company, St. Paul, Minn. Plaster board. 1,808,976; June 9.
Wunner, Alois, Nuremberg, Germany. Telphonic loudspeaker. 1,839,137; Dec. 29.
Wünsch, Erich P. G., Steglitz, near Berlin, assignor to Askania-Werke Aktiengesellschaft vormals, Centralwerkstatt Dessau und Carl Bamberg-Friedenau, Berlin-Friedenau, Germany. Device for the conversion of mechanical measuring values into corresponding electrical measuring values. 1,822,184; Sept. 8.
Wunsch, Guido, Berlin-Steglitz, Germany. Steering mechanism for aircraft. 1,795,694; Mar. 10.
Wupper, Benjamin F., Chicago, Ill. Dental cleaner package. 1,832,604; Nov. 17.
Wurdack, William, jr., assignor to Wm. Wurdack Electric Mfg. Co., St. Louis, Mo. Electric snap switch. 1,814,777; July 14.
Wurdack, William, jr., assignor to Wm. Wurdack Electric Manufacturing Company, St. Louis, Mo. Bus bar connecter. 1,820,640; Aug. 25.
Wurdack, Wm., Electric Manufacturing Company. (See Wurdack, William, jr., assignor.)
Wurdel, Gunther, and F. Spiegel, assignors to W. Vollmann, Berlin, Germany. Sound transforming and reproducing apparatus. 1,799,942; Apr. 7.
Wurduck, Arthur, Normandy, Mo. Combination fruit press and strainer. 1,831,432; Nov. 10.
Würgler, Jacob. (See Mayer, B., and Würgler.)
Würker Gesellschaft mit beschränkter Haftung. (See Bohmann, A. A., and Scheibel, assignors.)
Wurlitzer, Rudolph, Manufacturing Company, The. (See Battner, Stephen, assignor.)
Wurlitzer, Rudolph, Manufacturing Company, The. (See Johnson, Albert O., assignor.)
Wurlitzer, Rudolph, Manufacturing Company, The. (See Lockwood, Louis S., assignor.)
Wurm, Balthasar, Kansas City, Mo. Garment shoulder strap. 1,797,890; Mar. 24.
Wurster, Carl. (See Brode, J., and Wurster.)
Wurster, Oscar H. (See Sanger, W. E., and Wurster.)
Wurster, Oscar H., Chicago, Ill. Evaporator. 1,791,296; Feb. 3.
Wurster, Oscar H., Chicago, Ill. Extractor. 1,823,813; Sept. 15.
Wurster, Oscar H., and A. M. Smith, assignors to Wurster & Sanger, Inc., Chicago, Ill. Rotary extractor. 1,807,232; May 26.
Wurster & Sanger, Inc. (See Flick, Daniel M., assignor.)
Wurster & Sanger, Inc. (See Schwarz, Theo., assignor.)
Wurster & Sanger, Inc. (See Wurster, O. H., and Smith, assignors.)
Würth, Ernst, Goppingen, Germany. Process of and apparatus for electroplating hollow parts. 1,798,391; Mar. 31.
Wurth, Franz, New York, N. Y. Flying boat. 1,802,996; Apr. 28.
Wurtzberg, Jack, Brooklyn, N. Y. Display device. Des. 85,565; Nov. 10.
Wüsteney, Herbert, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Mechanical translating apparatus for printing-telegraph systems. 1,800,973; Apr. 14.
Wüsteney, Herbert, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Type printing telegraph apparatus. 1,814,236; July 14.
Wuyts, Joseph, Staten Island, assignor to Black Starr & Frost-Gorham, Inc., New York, N. Y. Plate or similar article. Des. 83,886; Apr. 7.
Wyatt, Alvah L., Nora Springs, Iowa. Antiglare shield. 1,790,965; Feb. 3.
Wyatt, Edwin M. (See Slidell, K., and Wyatt.)
Wyatt, Edwin M., Madison, Wis., assignor, by mesne assignments, to American Face Brick Research Corporation. Composite brick. 1,794,572; Mar. 3.
Wyatt, Edwin M., Madison, Wis., assignor, by mesne assignments, to American Face Brick Research Corporation. Textured brick. 1,826,916; Oct. 13.
Wyatt, Edwin M., Madison, Wis., assignor, by mesne assignments, to American Face Brick Research Corporation. Patterned brick wall. 1,826,917; Oct. 13.
Wyckoff, Amos A., and B. L. Yauney, Oakland, Calif. Garment hanger. Des. 85,311; Oct. 6.
Wyckoff, Edgar C., Clinton, N. J. Two cycle internal combustion motor. 1,806,138; May 19.
Wyckoff, George H. (See Goldsborough, W. E., Morgan, and Wyckoff.)
Wyckoff, George H., Mountain Lakes, N. J., assignor to Doherty Research Company, New York, N. Y. Catalytic combustion by means of refractories. 1,820,878; Aug. 25.
Wyckoff, Munro, Seattle, Wash. Fish guard for irrigation ditches. 1,825,169; Sept. 29.
Wydom, Herbert H., Boston, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Shoe sole. Des. 83,887; Apr. 7.
Wydom, Herbert H., South Boston, Mass., assignor, by mesne assignments, to Hood Rubber Company Inc., Wilmington, Del. Battery box and handle. 1,798,773; Mar. 31.
Wygodsky, Leon, Baltimore, Md. Stove. 1,836,889; Dec. 15.
Wykert, Frank M. (See Dodge, F. V., and Wykert.)
Wylam, Birkett. (See Beckett, E. G., Harris, Wylam, and Thomas.)
Wylam, Birkett. (See Drescher, H. A. E., Harris, Wylam, and Thomas.)
Wylam, Birkett. (See Morton, J., Jones, Wylam, and Harris.)
Wyland, John W., San Gabriel, Calif. Egg tester. 1,796,699; Mar. 17.
Wyldes, Victor, Toronto, Ontario, Canada. Alloy. 1,838,126; Dec. 29.
Wyler, Joseph A. (See Lams, W. R., and Wyler.)
Wyler, Joseph A. (See Snelling, W. O., and Wyler.)
Wylie, Hamilton N., assignor to Sir W. G. Armstrong Whitworth Aircraft Limited, Coventry, England. Air screw hub. 1,830,731; Nov. 3.
Wylie, Hamilton N., and P. G. Crabbe, assignors to Sir W. G. Armstrong Whitworth Aircraft Limited, Coventry, England. Riveting tool. 1,829,696; Oct. 27.
Wylie, Hamilton N., and P. G. Crabbe, assignors to Sir W. G. Armstrong Whitworth Aircraft Limited, Coventry, England. Riveting machine. 1,829,697; Oct. 27.
Wyllie, William, Talisay, P. I., assignor to Honolulu Iron Works Co., Honolulu, Hawaii. Saveall. 1,795,695; Mar. 10.
Wyman Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Electrical connecting device. 1,796,418; Mar. 17.
Wyman, George R., assignor to Bird & Son, Inc., East Walpole, Mass. Composite container for bottles. 1,834,668; Dec. 1.
Wyman-Gordon Company. (See Damerell, Mark H., assignor.)
Wyman, Lenthall, Starke, Fla., dedicated to the Government and the People of the United States of America. Cutting tool for use in scarifying trees for the production of naval stores. 1,836,519; Dec. 15.
Wyman, Le Roy L., Schenectady, N. Y., assignor to General Electric Company. Metallic composition and preparing the same. 1,822,720; Sept. 8.
Wyndham, James N. and S. L., Cardiff, Wales. Heat exchanger. 1,824,107; Sept. 22.
Wyndham, James N. and S. L., Cardiff, Wales. Exhaust steam heater. 1,830,585; Nov. 3.

Wyndham, Stephen L. (See Wyndham, James N. and S. L.)
Wynne, Walter V., Lincoln, assignor to Holbrook Raw Hide Company, Providence, R. I. Loom picker. 1,801,064; Apr. 14.
Wyoming Shovel Works, The. (See Pestak, Thomas G., assignor.)
Wyoming Shovel Works, The. (See Webster, Lewis E., assignor.)
Wyrick, Roy M., Louisville, assignor of one-half to L. Van Arsdale and one-half to M. E. Waldrop, Lexington, Ky. Subterranean antenna. 1,795,534; Mar. 10.
Wysard, Ernst. (See Krebser, A., and Wysard.)
Wysong, Ansel S., Los Angeles Calif., assignor of one-half to C. H. Popenoe, Silver Spring, Md. Preservation of fresh fruits and vegetables from mold and decay. 1,828,518; Oct. 20.
Wysong, Stewart, assignor of one-half to C. W. Hendrickson, Oakland, Calif. Poultry drinking fountain. 1,811,375; June 23.
Wysong, Vern, assignor to Peru Basket Co., Peru, Ind. Ironing board. 1,797,971; Mar. 24.
Wyzenbeek, Andrew. (See Green, V. G., and Wyzenbeek.)
Wyzenbeek, Andrew, assignor to Binks Manufacturing Co., Chicago, Ill. All metal sealing cap for paint containers. 1,837,844; Dec. 22.
Xardell, Charles A., assignor to Utica Cutlery Company, Utica, N. Y. Knife. Des. 85,503; Nov. 3.
Xardell, Charles A., assignor to The Bossert Corporation, Utica, N. Y. Percolator. 1,836,520; Dec. 15.
Yablick, Max. (See Perrott, G. St. J., and Yablick.)
Yablow, Harry, and L. Paris, Los Angeles, Calif. Finger ring or similar article. Des. 85,680; Dec. 1.
Yackey, George F., Whittier, assignor to E. B. Wiggins, Los Angeles, Calif. Hose connection. 1,808,094; June 2.
Yacovone, John B., Pawtucket, R. I. Lease rod for warping machines. 1,824,522; Sept. 22.
Yaeger, Harry C. (See Langford, L. W., and Yaeger.)
Yager, George F., assignor to The Bunting Brass & Bronze Company, Toledo, Ohio. Machine for manufacturing bushings. 1,821,199; Sept. 1.
Yager, George F., assignor to The Bunting Brass and Bronze Company, Toledo, Ohio. Stamping machine. 1,827,683; Oct. 13.
Yaggy, Menno, Los Angeles, assignor of one-third to H. H. Amstrutz, Denair, and one-third to E. Erhart, Los Angeles, Calif. Window-positioning organization. 1,789,889; Jan. 20.
Yale Publishing Association, Inc., The. (See Taylor, Edwin C., assignor.)
Yale & Towne Manufacturing Company, The. (See Ledin, Charles, assignor.)
Yale & Towne Manufacturing Company, The. (See Schroeder, Charles S., assignor.)
Yale & Towne Manufacturing Company, The. (See Stuebing, William, jr., assignor.)
Yale & Towne Manufacturing Company, The. (See Thompson, F. E., and Lawrence, assignors.)
Yamaji, Kazuyeshi, Tokyo, Japan. Powdered deodorizer for the acceleration of ripening of organic fertilizers. 1,791,918; Feb. 10.
Yamanaka, Naojiro, Kanagawa-Ken, Japan. Talking machine. 1,837,642; Dec. 22.
Yancey, Arthur, New Orleans, La. Machine for making and setting one piece can liners. 1,802,229; Apr. 21.
Yancey, Thornton M. (See Runquist, E. M., and Yancey.)
Yancey, Thornton M., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-unwinding apparatus. 1,800,922; Apr. 14.
Yancey, William O., Chicago, Ill. Measuring dispenser. 1,799,401; Apr. 7.
Yancey, William O., Chicago, Ill. Child's toy vehicle. 1,799,402; Apr. 7.
Yanchenko, Basil J., New York, N. Y., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connecter. 1,793,882; Feb. 24.
Yanchenko, Basil J., New York, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment press. 1,826,442; Oct. 6.
Yanchenko, Basil J., assignor to J. C. Ledbetter, New York, N. Y. Temperature controlling device. 1,827,831; Oct. 20.
Yankauer, Sidney, Flushing, N. Y. Pipe lighter. 1,834,756; Dec. 1.
Yankee Metal Products Corp. (See Putterman, Benjamin, assignor.)
Yanochowski, George A., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Audion tube. 1,805,794; May 19.
Yanss, George W., assignor to Bridgeport Brass Company, Bridgeport, Conn. Hub cap for automobile wheels and the like. 1,836,424; Dec. 15.
Yantis, William, Cushing, Okla. Apparatus for treating oil. 1,791,695; Feb. 10.
Yardley, Farnham, West Orange, N. J., assignor to Jenkins Bros., New York, N. Y. Check valve structure. 1,811,166; June 23.
Yardley, Farnham, West Orange, N. J., assignor to Jenkins Bros., New York, N. Y. Check valve structure. 1,828,697; Oct. 20.
Yardley Screen & Weatherstrip Company, The. (See Rosel, William E., assignor.)
Yardumian, Haig Y. (See Keoleian, Souren, assignor.)
Yares, Clement A. (See Cheslock, F. J., and Yares.)
Yares, Clement A, St. Paul, Minn. Cable layer. 1,817,792; Aug. 4.
Yarnall, David R., assignor to Yarnall-Waring Company, Philadelphia, Pa. Spring-compressed packing train. 1,791,610; Feb. 10.
Yarnall, David R., assignor to Yarnall-Waring Company, Philadelphia, Pa. Steam trap. 1,805,064; May 12.
Yarnall, David R., Germantown, Philadelphia, and T. P. Tapper, Roslyn, assignors to Yarnall-Waring Company, Philadelphia, Pa. Intermittent actuating mechanism and method. 1,816,886; Aug. 4.
Yarnall, David R., assignor to Yarnall-Waring Company, Philadelphia, Pa. Seatless blow off valve. 1,833,629; Nov. 24.
Yarnall, David R., assignor to Yarnall-Waring Company, Philadelphia, Pa. Mercoid alarm and indicator. 1,833,630; Nov. 24.
Yarnall-Waring Company. (See Chase, Lyle G., assignor.)
Yarnall-Waring Company. (See Yarnall, David R., assignor.)
Yarnall-Waring Company. (See Yarnall, D. R., and Tapper, assignors.)
Yarrow, Harold E., Scotstoun, Scotland. Water tube boiler. 1,839,074; Dec. 29.
Yarrow, Harold E., Glasgow, Scotland. Water-tube boiler. 1,789,799; Jan. 20.
Yarrow, Harold E., Glasgow, Scotland, and H. N. Gresley, Hadley Wood, England. Locomotive boiler. 1,795,241; Mar. 3.
Yarrow, Harold E., Scotstoun, Scotland. Distributor for pulverized fuel. 1,821,868; Sept. 1.
Yarrow, William S., Harrow, assignor to Carrier Engineering Company, Limited, London, England. Processing plant. 1,826,036; Oct. 6.
Yarwood, Emanuel H., Newark, N. J. Form for concrete construction. 1,791,881; Feb. 10.
Yasumoto, Meijiro. (See Sugimura, I., and Magarisawa, assignors.)
Yates, Alanson T. S., Duluth, Minn. Dental ligature applicator. 1,832,173; Nov. 17.
Yates-American Machine Company. (See Johnson, Wallace D., assignor.)
Yates-American Machine Company. (See Lane, Franklin L., assignor.)
Yates-American Machine Company. (See Turcott, David, assignor.)
Yates-American Machine Company. (See Vanderbeek, Gerrit, assignor.)
Yates-American Machine Company. (See Walthers, Harry S., assignor.)
Yates-American Machine Company. (See Walthers, H. S., and Martin, assignors.)
Yates, Arthur T., assignor to Buffalo Forge Company, Buffalo, N. Y. Shearing machine. 1,792,522; Feb. 17.
Yates, Charles E., East Rutherford, N. J., assignor to Anaconda Sales Company, New York, N. Y. Apparatus for electrodeposition. 1,794,748; Mar. 3.
Yates, Charles E., East Rumford, and H. C. Macan, Rutherford, N. J., assignors to Anaconda Sales Company, New York, N. Y. Method and apparatus for making roofing material. 1,829,886; Nov. 3.
Yates & Grant, Inc. (See Forbes, John S., assignor.)
Yates, Henry H., Cremorne, near Sydney, New South Wales, Australia. Creeling mechanism. 1,814,203; July 14.
Yates, Louis N., Greenwood County, Kans., assignor to Sinclair Oil & Gas Company, Tulsa, Okla. Method and apparatus for recovering pressure gas from oil wells. 1,798,774; Mar. 31.
Yates Machine Company. (See Yates, Thomas J., assignor.)
Yates, Raymond F., Buffalo, N. Y., assignor, by mesne assignments, to T. Deutschmann, trustee. Electrodynamically-controlled figure. Re18,239; Oct. 27.
Yates, Thomas J., assignor to Yates Machine Company, Salem, Mass. Automatic valve. 1,804,137; May 5.
Yates, Thomas J., assignor to Yates Machine Company, Salem, Mass. Neck-band clamp mechanism. 1,813,522; July 7
Yauney, Bernice L. (See Wyckoff, A. A., and Yauney.)
Yaupp, Daniel M., Chicago, Ill. Reflector holder. 1,795,696; Mar. 10.
Yawman & Erbe Mfg. Co. (See Clark, James R., assignor.)
Yawman & Erbe Manufacturing Company, The. (See Furlong, Roland A., assignor.)
Yawman & Erbe Manufacturing Co. (See Schulz, George W., assignor.)
Yazum, John J., Amsterdam, N. Y. Tourist's cabinet. 1,793,832; Feb. 24.
Yeadon, W. Yates, et al. (See Moise, Harmon D., assignor.)
Yeager, Anton J., assignor to Prentiss-Weber Stove Company, Wisconsin Rapids, Wis. Camp stove. 1,831,834; Nov. 17.
Yeager, Harry P., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator core. 1,800,853; Apr. 14.
Yeager, Virgil E., assignor of one-tenth to H. Hodde, one-tenth to E. A. Goldin, one-tenth to N. L. Goldin, Ansley, and one-tenth to M. J. Brewton, Goldona, La. Step bearing. 1,791,080; Feb. 3.
Yeagle, Cyrus E., Toledo, Ohio. Window ventilator. 1,825,437; Sept. 29.
Yeakley, Melvin A., Canton, Ohio. Wabbler holding mechanism. 1,816,274; July 28.

Yeater, Thomas, Lowell, Ind. Fountain mop. 1,834,510; Dec. 1.
Yeates, Derris B., Portsmouth, Va., assignor of one-half to J. S. Groome, T. H. Groome, and J. D. Fentress, trading as Carolina Awning and Tent Manufacturing Company, Rocky Mount, N. C. Awning roller. 1,834,669; Dec. 1.
Yee, Jew Y., Washington, D. C. Apparatus for the oxidation of ammonia. 1,821,956; Sept. 8.
Yeidel, Dorothy R., Chicago, Ill. Drapery supporting device. 1,820,997; Sept. 1.
Yeider, Harry A., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich. Reversing gear mechanism. 1,804,138; May 5.
Yeider, Harry A., Grand Rapids, Mich., assignor to Automatic Musical Instrument Company. Selector mechanism. 1,827,130; Oct. 13.
Yellow Truck and Coach Manufacturing Company. (See Bock, Carl J., assignor.)
Yellow Truck & Coach Manufacturing Company. (See Bock, C. J., and Reese, assignors.)
Yellow Truck & Coach Manufacturing Company. (See Daubner, George H., assignor.)
Yellow Truck & Coach Manufacturing Company. (See Heinz, Arthur A., assignor.)
Yellow Truck & Coach Manufacturing Company. (See Jantsch, Victor, assignor.)
Yellow Truck & Coach Manufacturing Company. (See Schjolin, Eric O., assignor.)
Yencer, Carl D. (See Bledsoe, G. W., Lloyd, and Yencer.)
Yensen, Trygve D., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Magnetic product and making the same. 1,807,021; May 26.
Yensen, Trygve D., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio transformer. 1,807,022; May 26.
Yentsch, William C., Peoria, Ill. Combined lifting and transporting device. 1,804,299; May 5.
Yeomans Brothers Company. (See Codner, Elmer J., assignor.)
Yeoman, Robert R. (See Artley, D. D., Hart, and Yeoman.)
Yeomans, Lucien I., Inc. (See Balsley, E. A., and Yeomans, assignors.)
Yerk, Henry H., and W. J. Baumberger, Davenport, assignors to Micro Machine Company, Bettendorf, Iowa. Grinding machine. 1,799,491; Apr. 7.
Yerkes, John A., and J. G. Bouslog, Long Beach, Calif. Sucker-rod elevator. 1,798,296; Mar. 31.
Yerkes, John A., and R. H. Lemmon, Long Beach, Calif. Pump-plunger structure. 1,798,294; Mar. 31.
Yerkes, John A., and R. H. Lemmon, Long Beach, Calif. Inserted pump barrel and sealing means. 1,798,295; Mar. 31.
Yerkes, John A., and R. H. Lemmon, Long Beach, Calif. Traveling tube pump. 1,832,346; Nov. 17.
Yerkeson, Grant, et al. (See Schmid, Anton, assignor.)
Yerkeson, James, et al. (See Schmid, Anton, assignor.)
Yett, Porter W., Portland, Oreg. Adjustment for proportioning machines. 1,834,670; Dec. 1.
Yetta, Michael D., Connersville, Ind. Optical exerciser. 1,802,997; Apr. 28.
Yetter, John C., Chicago, Ill. Window. 1,793,039; Feb. 17.
Yevseyeff, George F., Windsor, Ontario, Canada. Packing ring. 1,799,577; Apr. 7.
Yevseyeff, George F., Detroit, Mich. Shock absorber. 1,829,382; Oct. 27.
Yevseyeff, George F., Detroit, Mich. Shock absorber for vehicles. 1,829,430; Oct. 27.
Yingling, Francis C. (See Flautt, Porter H., assignor.)
Yingling, Frank B., Hamilton, Ohio. Tile assembling and pasting machine. 1,828,013; Oct. 20.
Yingling, Frank B., assignor to The Ceramic Machinery Company, Hamilton, Ohio. Press. 1,799,718; Apr. 7.
Ylla-Conte, José, Barcelona, Spain. Obtention of sodium or potassium metals. 1,837,935; Dec. 22.
Yngve, Victor, Niagara Falls, N. Y., assignor to National Carbon Company, Inc. Electrolyte for electrolytic condensers. 1,829,177; Oct. 27.
Yngve, Victor, Niagara Falls, N. Y., assignor to National Carbon Company, Inc. Electrolyte for electrolytic condensers. 1,829,178; Oct. 27.
Yochem, Frank J., Fowler, Ind. Spreader or distributor. 1,835,196; Dec. 8.
Yocum, Alvin M., Walpole, Mass. Attachment for fountain pens. 1,794,939; Mar. 3.
Yocum Brothers, Inc. (See Benbow, David F., assignor.)
Yocum, Charles F., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Excavator bucket. 1,801,033; Apr. 14.
Yocum, Henry H., Shamokin, Pa. Revolving carpet roll support. 1,814,998; July 14.
Yoder, Benjamin H., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Tank frame for refrigerator cars. 1,820,641; Aug. 25.
Yoder, Howard D. (See Marty, F. J., and Yoder.)
Yoder, Howard D., assignor to Penberthy Injector Company, Detroit, Mich. Centrifugal device for bearings. 1,791,547; Feb. 10.
Yoder, Howard D., assignor to Penberthy Injector Company, Detroit, Mich. Jet device. 1,806,187; May 19.
Yoder-Morris Company, The. (See Morris, Howard I., assignor.)
Yoder Pencil Company, The. (See Becker, Bernard C., assignor.)
Yoder Pencil Company, The. (See Morris, Howard I., assignor.)
Yoeman, John B., Spokane, Wash. Game board. Des. 84,773; July 28.
Yoemans, Wallace C., Portland, Oreg. Concrete railway tie. 1,795,817; Mar. 10.
Yokoyama, Hidesuke, Hiroshima-Ken, Japan. Strand leading-out device for net-making machines. 1,795,385; Mar. 10.
Yolyman, Karl H., Berlin-Gruneweld, and H. Pflug, Berlin-Steglitz, assignors to Grubenholz-Imprägnierung, G. m. b. H., Charlottenburg, Germany. Wood preservative. 1,800,423; Apr. 14.
Yonekura, Tario, Takaoka, Japan. Suction device of paper-making machines. 1,810,456; June 16.
Yonkese, Joseph G., Brooklyn, N. Y. Transmission casing. 1,794,432; Mar. 3.
Yonkese, Joseph G., Brooklyn, N. Y. Apparatus for generating motive fluids. 1,812,277; June 30.
York Band Instrument Company. (See Johnson, Alfred J., assignor.)
York Heating & Ventilating Corporation. (See French, Donald E., assignor.)
York Heating and Ventilating Corporation. (See Holton, J. H., and Horn, assignors.)
York Heating and Ventilating Corporation. (See Lewis, Alexander T., assignor.)
York Ice Machinery Corporation. (See Baker, Irving C., assignor.)
York Ice Machinery Corporation. (See Bergdoll, John G., assignor.)
York Ice Machinery Corporation. (See Morse, Louis S., assignor.)
York Ice Machinery Corporation. (See Ruff, Alonzo W., assignor.)
York Ice Machinery Corporation. (See Shipley, Thomas, assignor.)
York, Jones O. (See Wolf, D. M., and York.)
York, Phineas H., Indianapolis, Ind., assignor to Logan Co., Louisville, Ky. Conveyer. 1,795,192; Mar. 3.
York Safe and Locke Co. (See Sioberg, Charles F., assignor.)
Yorke Specialty Corporation. (See Dinstman, Isidor, assignor.)
Yoshioka, Shojiro, New York, N. Y., assignor to Rinkichi Doi, Sendai, Japan. Book mirror. 1,804,487; May 12.
Yoss, Emanuel, Richmond, Va. Turbine pump. 1,814,019; July 14.
Yost, Frederick W., Cleveland, Ohio. Mechanical overload release mechanism. 1,829,576; Oct. 27.
Yost, Henry, Kenton, Ohio. Roofing fastener. 1,810,808; June 16.
Yost, Kenneth J., Campbellstown, Ohio. Helicopter. 1,801,184; Apr. 14.
Yost, Norman S., Howell, assignor to Howell Electric Motors Company, Howell, Mich. Alternating current motor. 1,828,724; Oct. 20.
Yost, Robert G., and C. G. Schelly, Webster Groves, Mo. Humifier. 1,837,936; Dec. 22.
Youker, Malcolm P., Tulsa, Okla. Natural-gas-conversion process. 1,800,586; Apr. 14.
Youkers, Jacob, Pittsburgh, Pa. Display apparatus. 1,801,384; Apr. 21.
Youlten, William, Hove, assignor to Evertite Locknuts Limited, London, England. Lock-nut. 1,838,605; Dec. 29.
Youman, Burt C. (See Muller, W. A., and Youman.)
Young, Albert A., assignor to Eastman Kodak Company, Rochester, N. Y. Tinting film for use in sound reproduction. 1,823,246; Sept. 15.
Young, Allan M., assignor to Manning, Bowman & Co., Meriden, Conn. Thermostatically controlled switch. 1,835,552; Dec. 8.
Young, Amps P., Cave City, Ky. Soil sterilizing apparatus. 1,826,232; Oct. 6.
Young, Andrew P., Pleasantville, N. Y. Golf ball cleaner. 1,807,023; May 26.
Young, Archer E., Pittsburgh, Pa. Measuring apparatus. 1,802,963; Apr. 28.
Young, Archer E., Pittsburgh, Pa. Measuring apparatus. 1,803,085; Apr. 28.
Young, Archer E., Pittsburgh, Pa. Measuring apparatus. 1,816,949; Aug. 4.
Young, Archer E., Pittsburgh, Pa. Measuring apparatus. 1,816,950; Aug. 4.
Young, Archer E., Pittsburgh, Pa. Measuring apparatus. 1,819,313; Aug. 18.
Young, Arthur, et al., administrators. (See Deppé, W. P., and Summers.)
Young, Arthur P., Kenilworth, and L. Griffiths, Coventry, England, assignors to General Electric Company. Electric contact breaker. 1,839,075; Dec. 29.
Young, Arthur P., and J. Hutt, deceased; C. E. Hutt, executrix, Kenilworth, England; assignors to General Electric Company. Amplifying system. 1,814,849; July 14.
Young, Arthur W., and G. H. Stinson, Detroit, Mich., assignors to J. C. Patten, Indianapolis, Ind.; E. K. McKinney, special administrator of said James C. Patten, deceased. Cadmium plating bath. 1,833,450; Nov. 24.

Young Brothers Company. (See Fox, Vernie A., assignor.)
Young Brothers Company. (See Young, George A., assignor.)
Young, Cecil G., Dover, N. J. Propellant charge for projectiles and forming the same. 1,808,877; June 9.
Young, Charles A., G. E. Peters, and E. E. Peters, deceased; G. E. Peters, administrator, Springfield, Ohio. Repeating firearm. 1,837,512; Dec. 22.
Young, Charles D., Wayne, Pa. Container-handling system. 1,792,055; Feb. 10.
Young, Charles D., Wayne, Pa. Container handling system and apparatus. 1,809,540; June 9.
Young, Charles D., Wayne, Pa. Container handling system. 1,823,384; Sept. 15.
Young, Charles J., Schenectady, N. Y., assignor to General Electric Company. Oscillation generator. 1,788,362; Jan. 6.
Young, Charles J., Ardmore, Pa., assignor to General Electric Company. System for producing music. 1,823,716; Sept. 15.
Young, Charles M., Ten Mile Township, Whatcom County, Wash. Hand can top sealer. 1,813,220; July 7.
Young, Charles M., Nelson, British Columbia, Canada. Net. 1,835,197; Dec. 8.
Young, Charles O., Clackamas, Oreg. Dispensing machine for toilet seat covers. 1,806,573; May 19.
Young, Chester A., St. Joseph, Mo. Combination lock adding bank. 1,817,221; Aug. 4.
Young, Clarence P., Moneta, Calif. Washover hydraulic wall hook. 1,800,490; Apr. 14.
Young, David, Newark, N. J. Combination boiler tube blower. 1,836,101; Dec. 15.
Young, David A., Chester, Del., assignor to Sinclair Refining Company, New York, N. Y. Pressure still for cracking oils. 1,788,006; Jan. 6.
Young, Donald H., Berkeley, Calif., assignor to American Manganese Steel Company, Chicago, Ill. Reversible excavator tooth with socketed tip. 1,816,710; July 28.
Young, Earl L., San Fernando, Calif. Hedge trimmer. 1,805,323; May 12.
Young, Edgar B., Newman, Ill. Dropper valve for corn planters. 1,825,035; Sept. 29.
Young, Edward O., Euclid Heights, Ohio, assignor, by mesne assignments, to Kex Co., Inc., St. Louis, Mo. Plug inserting tool. 1,833,194; Nov. 24.
Young, Elkins R., Cleveland Heights, Ohio. Vehicle. 1,817,220; Aug. 4.
Young, Elmer H. and F. W., assignors to Kinex Studios, Inc., Los Angeles, Calif. Figure device. 1,793,890; Feb. 24.
Young, Frank A., Meriden, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Reversing switch. 1,805,434; May 12.
Young, Frank A., Meriden, Conn., assignor, by mesne assignments, to Radio Inventions, Inc., New York, N. Y. Rectifier. 1,815,390; July 21.
Young, Frank A., Meriden, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric fuse clamping device. 1,836,890; Dec. 15.
Young, Frank L., Washington, D. C., and W. D. Shoemaker, Drummond, Chevy Chase, Md.; said Young assignor to said Shoemaker. Tractor equipment combination. 1,830,417; Nov. 3.
Young, Frank W. (See Wright, A., and Young.)
Young, Frank W. (See Young, Elmer H. and F. W.)
Young, Frank W., Verona, N. J. Manufacture of fibrous sheet material. 1,794,433; Mar. 3.
Young, Fred M., Racine, Wis. Sectional radiator. 1,797,892; Mar. 24.
Young, Fred M., Racine, Wis. Multiple unit space heater. 1,811,071; June 23.
Young, Fred M., Racine, Wis. Radiator. 1,811,527; June 23.
Young, Fred M., Racine, Wis. Radiator side plate. 1,813,221; July 7.
Young, Fred M., Racine, Wis. Vehicle heater. 1,825,036; Sept. 29.
Young, Fred M., Racine, Wis. Device for brazing. 1,835,624; Dec. 8.
Young, Frederic C., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Combined receiver and microphone. 1,797,891; Mar. 24.
Young, Gavin B., assignor to Young's Candy Products Co., Inc., Philadelphia, Pa. Cooking apparatus. 1,790,631; Jan. 27.
Young, George A., assignor to Young Brothers Company, Detroit, Mich. Insulating panel. 1,826,114; Oct. 6.
Young, George A., assignor to Young Brothers Company, Detroit, Mich. Insulating wall structure. 1,831,281; Nov. 10.
Young, George H. (See Anderson, C. L., and Young.)
Young, George H., St. Paul, Minn. Automobile tire. 1,797,538; Mar. 24.
Young, George H., Chicago, Ill. Tire cushion. 1,819,632; Aug. 18.
Young, Glenn D., Firth, Nebr. Air-brake-hose coupling. 1,797,630; Mar. 24.
Young, Harry, Melbourne, Ky. Radiator ornament. Des. 85,504; Nov. 3.
Young, Harry D., New York, N. Y., assignor to Wolf Brothers & Co., Red Lion, Pa. Dispensing cabinet. Des. 85,566; Nov. 10.
Young, Harvey L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Blank forming and manipulating apparatus. 1,800,332; Apr. 14.
Young, Harvey L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tube-making method and apparatus. 1,810,585; June 16.
Young, Harvey L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tube-making method and apparatus. 1,810,586; June 16.
Young, Harvey L., and G. Foerstner, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Annular tube and method and apparatus for splicing the same. 1,802,491; Apr. 28.
Young, Henry S. (See Brooks, C. A., and Young.)
Young, Henry S. (See Penrod, M. A., Young, and Brooks.)
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company Swissvale, Pa. Railway signaling system. 1,790,526; Jan. 27.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical controlling apparatus. 1,792,263; Feb. 10.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical controlling apparatus. 1,792,562; Feb. 17.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,815,640; July 21.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuit apparatus. 1,815,960; July 28.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway train route indicating apparatus. 1,830,820; Nov. 10.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch controlling apparatus. 1,832,520; Nov. 17.
Young, Henry S., Wilkinsburg, and C. A. Brooks, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,828,014; Oct. 20.
Young, Herman G., Oswego, Ill. Fire shutter. 1,797,311; Mar. 24.
Young, Idus G., Lequire, Okla. Engine. 1,807,721; June 2.
Young, Jacob C., assignor of thirty-five one hundredths to E. T. Miller, Beaumont, Tex. Rope display stand. 1,818,518; Aug. 11.
Young, James A., and F. Bryan, Scio, Oreg. Meat saw. 1,829,079; Oct. 27.
Young, James H., assignor to H. H. Robertson Company, Pittsburgh, Pa. Protected metal article. 1,812,732; June 30.
Young, James H., assignor to H. H. Robertson Company, Pittsburgh, Pa. Tie member for protected metal sheets. 1,838,349; Dec. 29.
Young, John, Chicago, Ill. Stoker for boiler fire boxes. 1,799,206; Apr. 7.
Young, John, Ben Avon, assignor to Federal Laboratories Incorporated, Pittsburgh, Pa. Foot controlled device. 1,814,880; July 14.
Young, John, Yoker, Glasgow, assignor to Drysdale and Company, Limited, Glasgow, Scotland. Combined water and air pump unit. 1,837,937; Dec. 22.
Young, John H., and W. G. Frink, Middletown, assignors to The Borden Company, New York, N. Y. Device for stacking sheet metal and the like. 1,807,816; June 2.
Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Method of and machine for scoring can ends. 1,811,986; June 30.
Young, John R., jr. (See Hitchinson, J. E., and Young.)
Young, John R., jr. (See Mellers, J. H., and Young.)
Young, John W., Ben Avon, assignor to Federal Laboratories, Inc., Pittsburgh, Pa. Vault and safe construction. 1,805,610; May 19.
Young, John W., Ben Avon, A. Lowy, and R. B. Reynolds, assignors to Federal Laboratories, Inc., Pittsburgh, Pa. Gas-protected vault and safe. 1,799,207; Apr. 7.
Young, L. A., Spring & Wire Corporation. (See O'Brien, Falconer, assignor.)
Young, L. A., Spring and Wire Corporation. (See Stackhouse, George A., assignor.)
Young, L. A., Spring and Wire Corporation. (See Van Hove, Desire H., assignor.)
Young, L. A., Spring and Wire Corporation. (See Ziler, Corban H., assignor.)
Young, Leo C., Washington, D. C., assignor, by mesne assignments, to Federal Telegraph Company. Multiple-channel multiphase antifade system. 1,797,746; Mar. 24.
Young, Lester W., Lancaster, assignor to Buffalo Fire Appliance Corporation, Buffalo, N. Y. Automatic closure for containers. 1,834,989; Dec. 8.
Young, Lewis G., Bronxville, N. Y. Aerofoil construction. 1,818,519; Aug. 11.
Young, Lewis G., Bronxville, N. Y. Aerofoil construction. 1,818,520; Aug. 11.
Young, Lewis G., Bronxville, N. Y. Aerofoil construction. 1,818,521; Aug. 11.
Young, Lloyd L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Automatic tape transmitter. 1,822,000; Sept. 8.
Young, Lloyd V., Glenbrook, Conn., assignor to Pond's Extract Company, New York, N. Y. Dispensing carton. 1,824,862; Sept. 29.

Young, Louise V., et al. (See Kissinger, Charles V., assignor.)
Young, Luther A., Orlando, Fla. Dental polishing cup and other points. 1,837,938; Dec. 22.
Young, M. M. (See Nelson, Theodore J., assignor.)
Young, Maurice M., Chicago, Ill. Drapery fixture. 1,813,556; July 7.
Young, Otis W., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass. Wood shaping and finishing machine. 1,798,512; Mar. 31.
Young, Percy H. (See Blood, L. E., and Young.)
Young, Peter. (See Graham, R. K., and Young.)
Young, Philip E., Fairhaven, Mass. Rubber shoe. Des. 85,567; Nov. 10.
Young, Philip L. (See Haslam, R. T., and Young.)
Young, Porus J., Charleston, W. Va. Soil pulverizing machine. 1,813,651; July 7.
Young, Ralph P., Marlboro, N. Y. Handle for wooden baskets. 1,824,319; Sept. 22.
Young, Raymond E., and F. F. Chandler, assignor to Ross Gear & Tool Company, La Fayette, Ind. Closing plate assembly for steering gear housings, etc. 1,822,637; Sept. 8.
Young, W. J., Machinery Company. (See Young, William J., assignor.)
Young, Walter H. (See Echland, E. O., and Young.)
Young, Walter H., and E. O. Eckland, Chicago, Ill.; said Eckland, assignor to said Young. Inking device. 1,807,562; May 26.
Young, William, Carluke, Scotland. Window. 1,788,967; Jan. 13.
Young, William C., Atlantic, Iowa. Four row corn planter. 1,807,115; May 26.
Young, William G. (See Hansen, M., and Young.)
Young, William J., assignor to W. J. Young Machinery Company, Lynn, Mass. Dowel driving machine. 1,819,584; Aug. 18.
Youngberg, Conrad D., assignor to Woodstock Typewriter Company, Woodstock, Ill. Typewriter. Des. 18,017; Mar. 31.
Youngberg, Conrad D., assignor to Woodstock Typewriter Company, Woodstock, Ill. Typewriter. 1,809,883; June 16.
Youngberg, Eric, assignor to The Reynolds Company, Providence, R. I. Shoe buckle. Des. 85,025; Sept. 8.
Youngblood, David F. (See White, L. J., and Youngblood.)
Youngblood, David F., San Antonio, Tex. Indicating mechanism for cell doors and locks. 1,802,301; Apr. 21.
Youngblood, David F., San Antonio, Tex. Metal cell. 1,818,522; Aug. 11.
Youngblood, David F., San Antonio, Texas. Steel alloy. 1,822,792; Sept. 8.
Youngblood, Frank P., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Apparatus for preparing liquid fuels. 1,832,827; Nov. 17.
Youngblood, George L. (See White, L. J., and Youngblood.)
Youngblood, James C., Greenville, N. C. Fireplace screen. 1,832,680; Nov. 17.
Youngchild, Casper E., and J. K. Vanatta, Port Edwards, and J. W. Youngchild, Nekoosa, assignors to Nekoosa-Edwards Paper Company, Port Edwards, Wis. Marking roll. 1,820,338; Aug. 25.
Youngchild, John W. (See Youngchild, C. E., Vanatta, and Youngchild.)
Youngdahl, Francis E., and C. J. Julstedt, Brooklyn, N. Y., assignors to The Lakewest Corporation. Safety device for bottle cap crimping machines. 1,805,680; May 19.
Younghusband, James L., Chicago, Ill. Cosmetic powder container. 1,805,860; May 19.
Younghusband, James L., Chicago, Ill. Lip-stick holder. 1,825,895; Oct. 6.
Youngman, Robert H., and R. H. H. Pierce, Pittsburgh, Pa. Flue construction for kilns. 1,798,297; Mar. 31.
Youngs Candy Products Co. (See Young, Gavin B., assignor.)
Youngstown Foundry & Machine Company, The. (See Thomas, Thomas L., assignor.)
Youngstown Pressed Steel Company, The. (See Stanitz, Jacques, assignor.)
Youngstown Sheet and Tube Company. (See Chalmers, James B., assignor.)
Youngstown Sheet and Tube Company, The. (See Siegle, Jacob C., assignor.)
Youngstown Steel Door Company, The. (See Barrows, Allan S., assignor.)
Youngstown Steel Door Company, The. (See Ditchfield, Frank, assignor.)
Youngstown Steel Door Company, The. (See McWilliams, J. P., and Ditchfield, assignors.)
Yount, Clarence B., near Dayton, assignor to Trupar Manufacturing Company, Dayton, Ohio. Deep well pump. 1,814,070; July 14.
Yount, Miles F., Beaumont, Tex. Sheave. 1,809,921; June 16.
Yourkevitch, Vladimir, Paris, France. Trace of ship's line. 1,831,643; Nov. 10.
Youtz, Merrill A., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Production of cetyl alcohol. 1,814,654; July 14.
Yowman & Erbe Manufacturing Company, The. (See Clark, James R., assignor.)
Ypsilanta Reed Furniture Company. (See Cleaveland, Fred M., assignor.)
Yseboodt, Gustave, Schaerbeek-Brussels, Belgium. Metal sleeper. 1,788,040; Jan. 6.
Ytterberg, Arle. (See Kuusinen, J., and Ytterberg.)
Ytterberg, Arle, Hogberget, assignor to Allmänna Svenska Elektriska Aktiebolaget Vasteras, Sweden. Voltage regulator. 1,793,272; Feb. 17.
Ytterberg, Arle, Hogberget, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Suppressing vibrations. 1,798,922; Mar. 31.
Ytterberg, Arle, Hogberget, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Circuit breaking contacts provided with condensers. 1,812,312; June 30.
Yule, Earl S., et al. (See Norton, William H., assignor.)
Yull, Gordon, Sudbury, Ontario, Canada. Indicator for storage batteries. 1,818,185; Aug. 11.
Yundt, Michael, Company. (See Stock, Henry F., assignor.)
Yungblut, Gibson. (See Cain, J. R., and Yungblut.)
Yungblut, Gibson, Dayton, Ky., and H. C. Fisher, Cincinnati, assignors to The Richardson Company, Lockland, Ohio. Forming metal foils. 1,811,485; June 23.
Yungling, Paul, Los Angeles, Calif. Screw grab. 1,787,713; Jan. 6.
Yungling, Paul, Los Angeles, Calif. Collar splitter. 1,790,783; Feb. 3.
Yungling, Paul F., assignor to Scott-Ross and Company, Los Angeles, Calif. Fluid-operated pump. 1,819,351; Aug. 18.
Yurkovitch, Anton, Pittsburgh, Pa. Clothes stick. 1,826,337; Oct. 6.
Yutts, Ralph, Miami, Fla. Duster. 1,836,102; Dec. 15.
Yutts, Ralph, Miami, Fla. Fabric duster. 1,836,103; Dec. 15.
Yuyama, Juji, Ebaragun, Tokyofu, Japan, assignor to General Electric Company. Synchronizing apparatus. 1,791,395; Feb. 3.
Zabek, Walenty, Ludlow, Mass. Combined letter sheet and envelope. 1,794,223; Feb. 24.
Zabel, Charles, Coraopolis, assignor, by mesne assignments, to Wolverine Supply & Manufacturing Company, Pittsburgh, Pa. Ball-operated mechanical toy. 1,792,346; Feb. 10.
Zabel, William P. (See Inman, G. E., and Zabel.)
Zabriskie, Charles L., New York, N. Y., assignor, by mesne assignments, to Rogers Products Co., Inc. Lubricating device. 1,794,131; Feb. 24.
Zabriskie, Harry H., Rockville Center, and N. A. Gussack, Flushing, assignors to Grant Elevator Equipment Corp., New York, N. Y. Protective device. 1,834,757; Dec. 1.
Zabriskie, Henry L., Westfield, assignor to Diehl Manufacturing Company, Elizabeth, N. J. Phonograph turntable mechanism. 1,838,047; Dec. 22.
Zabriskie, Henry L., Westfield, and D. H. Chason, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Electric motor. 1,817,597; Aug. 4.
Zabriskie, William F., assignor to Gabriel Steel Company, Detroit, Mich. Cross bracing and bridging for metallic joists. 1,824,797; Sept. 29.
Zacharias, Edwin H., Reading, Pa. Garment pressing machine. 1,832,521; Nov. 17.
Zachman, William H., Woodhaven, assignor to Groove Lock Co., Inc., New York, N. Y. Fastening device for hand bags. 1,816,885; Aug. 4.
Zachman, William H., Woodhave, assignor to Frank J. Quigan, Inc., Brooklyn, N. Y. Purse, hand bag or pocketbook. 1,826,233; Oct. 6.
Zadek, Milton, assignor to Reflector Hardware Corporation, Chicago, Ill. Sign holder. 1,813,557; July 7.
Zademach, Erich R., Elizabeth, N. J., assignor to Metalwash Machinery Company, New York, N. Y. Metal ware cleaning. 1,788,353; Jan. 6.
Zadnik, Otto, Vienna, Austria. Electric power transmission with automatic efficiency regulation for vehicles. 1,818,877; Aug. 11.
Zagorski, Johann, Frankfort-on-the-Main, Germany. High-tension conductor. 1,794,269; Feb. 24.
Zagorski, Johann, Frankfort-on-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Hollow conductor and manufacturing same. 1,802,302; Apr. 21.
Zaharoff, Basil, Jamaica, N. Y. Aeroplane machine. 1,815,341; July 21.
Zahirniak, John, West, Tex. Terracing machine. 1,837,310; Dec. 22.
Zahn, Adam, Long Island City, N. Y. Protecting or safety seat for window cleaners. 1,823,247; Sept. 15.
Zahn, George E., Freedom, Pa. Hydraulic clutch. 1,830,156; Nov. 3.
Zahn, Karl. (See Schirmacher, K., Zahn, Hoffa, and Heyna.)
Zahn, Otto E. (See Labisky, A. H., and Zahn.)
Zahn, Rudolf. (See Krieger, W., and Zahn.)
Zahner, Edward J. (See Pearson, J. P., and Zahner.)
Zahner, Edward J., assignor to Metal Door & Trim Co., La Porte, Ind. Louver-door structure. 1,795,631; Mar. 10.
Zahner, Edward J., Laporte, Ind., and K. G. Reynolds, Albany, N. Y. Frame and strengthening member therefor. 1,832,078; Nov. 17.
Zahner, Edward J., Laporte, Ind., and K. G. Reynolds, Albany, N. Y. Frame with opening and closure therefor. 1,832,174; Nov. 17.

Zahnradfabrik Aktiengesellschaft. (See Molly, Hans, assignor.)
Zahodiskin, Victor F., Cincinnati, Ohio. Internal combustion engine starting mechanism. 1,816,557; July 28.
Zaidan Hojin Rikagaku Kenkyujo. (See Okochi, Masatosi, assignor.)
Zaidan, Joseph P., Scranton, Pa. Overwinding preventer for spring motors. 1,803,929; May 5.
Zaiger, Louis. (See Zaiger, Max and L.)
Zaiger, Louise, et al. (See MacPhail, James C., assignor.)
Zaiger, Max, et al. (See MacPhail, James C., assignor.)
Zaiger, Max and L., Lynn, Mass. Splash guard for automobile fenders. 1,800,273; Apr. 14.
Zaiger, Max and L., Lynn, Mass. Splash flap for automobiles. 1,800,274; Apr. 14.
Zaikowsky, Wladimir M., Pasadena, Calif., assignor to Standard Oil Development Company. Internal-combustion engine. 1,788,076; Jan. 6.
Zaikowsky, Wladimir M., Pasadena, Calif., assignor to Standard Oil Development Company, New York, N. Y. Internal-combustion engine and operating the same. 1,788,077; Jan. 6.
Zaiss, Fred E., Beverly Hills, Calif. Candy machine. 1,792,672; Feb. 17.
Zajtman, Alfred A., New York, N. Y. Watchmaker's micrometric gauge. 1,829,698; Oct. 27.
Zallio, John, Chicago, Ill. Display device. 1,832,605; Nov. 17.
Zalewski, Walenty, Kewanee, Ill. Curtain hanger. 1,802,303; Apr. 21.
Zallio, John B., Chicago, Ill. Food service device. 1,805,198; May 12.
Zamboni, Frank J., Hynes, assignor, by mesne assignments, to Nuway Electric Company, Los Angeles, Calif. Circuit controlling reactance coil. 1,804,852; May 12.
Zander, Henrick, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Heat exchange device. 1,823,481; Sept. 15.
Zanetti, Joseph, San Francisco, Calif. Vacuum paper feeder. 1,825,765; Oct. 6.
Zang, Joseph, St. Louis, Mo. Cutting and flanging tool. 1,830,865; Nov. 10.
Zaparka, Edward F., assignor to Leopard Automobile Products Corporation, New York, N. Y. Controlling device for vehicle spring suspension systems. 1,822,185; Sept. 8.
Zaparka, Edward F., assignor to Leopard Automobile Products Corporation, New York, N. Y. Controlling device for vehicle spring suspension systems. 1,822,186; Sept. 8.
Zaparka, Edward F., assignor to Leopard Automobile Products Corporation, New York, N. Y. Controlling device for vehicle spring suspension systems. 1,822,187; Sept. 8.
Zaparka, Edward F., assignor to Leopard Automobile Products Corporation, New York, N. Y. Controlling device for vehicle spring suspension systems. 1,822,188; Sept. 8.
Zapart, Andrew, Brooklyn, N. Y. Mail box. 1,807,611; June 2.
Zapf, Georg, Cologne, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Pressure-protecting covering for submarine cables. 1,798,298; Mar. 21.
Zapf, Georg, Cologne, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Manufacture of wire cables. 1,808,444; June 2.
Zapf, Georg, Riehlerwall, Cologne, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Reducing the extension of wire ropes. 1,822,189; Sept. 8.
Zapf, Georg, Cologne, assignor to Felten & Guilleaumecarlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Press for metal tubes or sheathings. 1,838.606; Dec. 29.
Zapis, William, New York, N. Y. Shoe fastening. 1,791,919; Feb. 10.
Zappulla, Joseph, Bay Shore, Long Island, N. Y. Comb. Des. 84,558; June 30.
Zappulla, Joseph, Bay Shore, Long Island, N. Y. Hand mirror. Des. 84,559; June 30.
Zappulla, Joseph, Bay Shore, N. Y. Hair brush. Des. 84,613; July 7.
Zareko, John A., Brooklyn, N. Y. Coat and hat hanger or similar article. Des. 85,724; Dec. 8.
Zarembinsky, Clement. (See Johnson, S. W. L., and Zarembinsky.)
Zastawski, Kazimiesz, Baltimore, Md. Automobile direction signal. 1,794,049; Feb. 24.
Zavatkay, Frederick F., Winsted, Conn. Rail tongs. 1,814,107; July 14.
Zdanski, Arno E., assignor to Bamag-Meguin Aktiengesellschaft, Berlin, Germany. Electrolytic cell for decomposing water. 1,788,904; Jan. 13.
Zeche Mathias Stinnes. (See Ulrich, Fritz, assignor.)
Zecher, Gustav, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhover, Netherlands. Producing light of different colors. 1,792,347; Feb. 10.
Zechlau, Walter, Berlin, Germany. Piston for internal combustion engines. 1,812,391; June 30.
Zeder, James C., and O. J. Bratz, assignors to Chrysler Corporation, Detroit, Mich. Gear. 1,828,305; Oct. 20.
Zedler, Benno A., Milwaukee, Wis. Carpet and producing the same. 1,795,632; Mar. 10.
Zeh, Edmund W., Newark, N. J. Screw power press. 1,810,996; June 23.
Zeh, Edmund W., Newark, N. J. Emergency stop for friction screw presses. 1,828,828; Oct. 27.
Zeh, Edward A., Passaic, assignor to Zeh Incorporated, Clifton, N. J. Lithographer's glass. 1,803,519; May 5.
Zeh, Howard, Belle Vernon, assignor to Window Glass Machine Company, Pittsburgh, Pa. Glass drawing machine. 1,820,930; Sept. 1.
Zeh Incorporated. (See Zeh, Edward A., assignor.)
Zeh, Ludwig. (See Bauer, W., and Zeh.)
Zeh, Ludwig, Wiesdorf-on-the-Rhine, E. Kramer, Cologne-Deutz, and B. Bollweg, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Nitro compounds of dinaphthylene-dioxides. 1,820,038; Aug. 25.
Zehnder, Adolf, Birmenstorf, and J. Kappeler, Baden, Switzerland. Braiding-bobbin device. 1,788,266; Jan. 6.
Zehnder, Adolf, Birmenstorf, and J. Kappeler, Mellingen, Switzerland. Braiding machine. 1,811,774; June 23.
Zehnder, John L. (See Fay, A., and Zehnder.)
Zehnder, Louis R., assignor, by mesne assignments, to Louisville Frog, Switch & Signal Company, Louisville, Ky. Wire connecter. 1,807,462; May 26.
Zehner, Benjamin F., Ashland, Ohio. Door opening device. 1,818,833; Aug. 11.
Zehner, Christian, Vancouver, British Columbia, Canada. Apparatus for feeding fowl. 1,801,787; Apr. 21.
Zehner, James L. (See Acheson, M. A., and Zehner.)
Zehnpfund, Otto, Newark, N. J. Relief or embossed printing. 1,799,773; Apr. 7.
Zehrung, Winfield S., Oil City, Pa. Refining crude mineral oils. 1,836,947; Dec. 15.
Zeibig, Bruno H., assignor to A C Spark Plug Company, Flint, Mich. Electric gasoline gauge. 1,820,369; Aug. 25.
Zeidler Concrete Products Machinery Company. (See Schultz, Alfred W., assignor.)
Zeigler, Maxwell T., Huntington Park, Calif. Apparatus for agitating water while freezing ice. 1,788,503; Jan. 13.
Zeilinger, John F., assignor to the Barker Manufacturing Company, Inc., David City, Nebr. Cultivator. 1,831,221 Nov. 10.
Zeilman, Roy H. (See Barbour, H. C., and Zeilman.)
Zeindlhofer, Anton, Vienna, Austria, assignor to Groove Lock Co. Inc., New York, N. Y. Fastening device. 1,805,795; May 19.
Zeis, George J., Buffalo, N. Y. Direction indicating signal. Des. 85,725; Dec. 8.
Zeiss, Bruno, Berlin-Mahlsdorf-Sud, and A. Moll, Berlin, Germany, assignors to General Electric Company. Drying out and impregnating joints for cables. 1,835,922; Dec. 8.
Zeiss, Carl. (See Bauersfeld, W., and Gerstenbergr, assignors.)
Zeiss, Carl. (See Mechau, Robert, assignor.)
Zeiss, Carl, The Firm. (See Steinle, Adolf, assignor.)
Zeiss, Firm, Carl. (See Bauersfeld, W., and Hartinger, assignors.)
Zeiss, Firm Carl. (See Bauersfeld, W., and Hübschmann, assignors.)
Zeiss, Firm, Carl. (See Bauersfeld, W., and von Gruber, assignors.)
Zeiss, Firm Carl. (See Gröne, Josef, assignor.)
Zeiss, Firm, Carl. (See König, Albert, assignor.)
Zeiss, Firm, Carl. (See Merté, Willy, assignor.)
Zeiss, Firm, Carl. (See Sonnefeld, August, assignor.)
Zeiss, Firm of Carl. (See Möller, Otto, assignor.)
Zeiss, Firm of Carl. (See Richter, Robert, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Goldberg, Emanuel, assignor.)
Zeiss Ikon Aktiengesellschaft Dresden. (See Hoffman, K., and Engelmann, assignors.)
Zeissl, Ignaz, assignor to Stern-Gesellschaft fur Moderne Grundbautechnik m. b. H., Vienna, Austria. Arrangement for forcing away the pile core from the point of the pile. 1,827,552; Oct. 13.
Zell, David H., Brooklyn, N. Y. Vanity case or analogous article. Des. 83,141; Jan. 20.
Zell, David H., Brooklyn, N. Y. Coin bank. 1,800,974; Apr. 14.
Zell, Lucian M., county of Essex, N. J. Precious or a semi-precious jewel or similar article. Des. 85,505; Nov. 3.
Zeller, John E., Upper Montclair, N. J. Electrical equipment tester. 1,834,990; Dec. 8.
Zellers, James T., Shreveport, La., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass drawing apparatus. 1,801.298; Apr. 21.
Zellers, James T., Shreveport, La., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass drawing apparatus. 1,816,036; July 28.
Zellers, James T., Shreveport, La., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass drawing apparatus. 1,816,037; July 28.
Zellstofffabrik Waldhof. (See Gade, Max, assignor.)
Zellweger, Gustav, Grantwood, assignor to Graf. Co., Union City, N. J. Stencil for the production of composite ornamentations on embroidery machines. 1,800,923; Apr. 14.
Zelmenovitz, Carley, et al. (See Jones, James T., assignor.)
Zeloid Products Corporation. (See Hetzel, Charles E., assignor.)
Zelov, Victor I., Rosemont, Pa., assignor to Aircraft Control Corporation. Gyroscopic turn indicator. 1,794,749; Mar. 3.

Zeltner, Harry M., assignor to The Baldwin Company, Cincinnati, Ohio. Grand-piano case. 1,794,816; Mar. 3.
Zeman, Anton, Chicago, Ill. Internal-combustion engine. Re18,003; Mar. 17.
Zemke, Heinrich, Berlin, Germany. Washing apparatus. 1,817,222; Aug. 4.
Zemlin, Carl, Berlin-Pankow, assignor to Siemens Bauunion, G. m. b. H., Kommanditgesellschaft, Siemensstadt near Berlin, Germany. Solidifying layers of ground and similar masses. 1,820,722; Aug. 25.
Zenith-Detroit Corporation. (See Heftler, V. R., and Norris, assignors.)
Zenith Detroit Corporation. (See Westcott, Brayton W., assignor.)
Zenith Radio Corporation. (See Forbes, Henry C., assignor.)
Zenith Radio Corporation. (See Gates, Howard A., assignor.)
Zennström, Arthur F. (See Bergström, K. G., and Zennström.)
Zenobia Company. (See Rassi, Habib, assignor.)
Zent, Abram L., Dayton, Ohio. Machine for vending stamps and the like. 1,822,258; Sept. 8.
Zenthoefer, Joseph V. (See Sweetland, E. J., Zenthoefer, and Hoyt.)
Zentner, C. L., et al. (See Haworth, De Witt C., assignor.)
Zeolite Chemical Company. (See Tschirner, Frederick M., assignor.)
Zepke, Gustav P., Oakland, Calif. Extensible support for fixtures. 1,830,308; Nov. 3.
Zerbe, Lewis E., Moneta, Calif., assignor to The National Supply Company, Toledo, Ohio. Locking bar for bushings. 1,825,930; Oct. 6.
Zerbee, Alfonso F., New York, N. Y. Savings bank. 1,811,225; June 23.
Zerbel, Emil W., Detroit, Mich. Miter tool. 1,838,607; Dec. 29.
Zerbi, Tranquillo, assignor to Fiat Societa Anonima, Turin, Italy. Traction device for wheels. 1,822,793; Sept. 8.
Zerbi, Tranquillo, assignor to Fiat Società Anonima, Turin, Italy. Carburetor for aircraft engines. 1,836,300; Dec. 15.
Zerbi, Tranquillo, assignor to Fiat Società Anonima, Turin, Italy. Fuel tank arranged on the dashboard of motor vehicles. 1,837,845; Dec. 22.
Zerbi, Tranquillo, assignor to Fiat Società Anonima, Turin, Italy. Engine hood for motor vehicles. 1,838,895; Dec. 29.
Zerk, Oscar, now by judicial change of name O. U. Zerk, Cleveland, Ohio, assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Automatic lubricant cup and the like. 1,793,273; Feb. 17.
Zerk, Oscar U., Chicago, Ill. Tripod. 1,797,893; Mar. 24.
Zerk, Oscar U., Chicago, Ill. Universal panoramic tripod. 1,798,446; Mar. 31.
Zerk, Oscar U., Chicago, Ill. Telescoping supporting leg and making same. 1,798,513; Mar. 31.
Zerk, Oscar U., Chicago, Ill. Hosiery. 1,817,053; Aug. 4.
Zerk, Oscar U., Chicago, Ill. Universal panoramic tripod. 1,831,086; Nov. 10.
Zerk, Oscar U., assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating system. 1,787,741; Jan. 6.
Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,797,280; Mar. 24.
Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Resistance unit. 1,812,916; July 7.
Zerk, Oscar U., assignor to Alemite Corporation, Chicago, Ill. Lubricating gun. 1,821,197; Sept. 1.
Zerk, Oscar U., Cleveland, Ohio, assignor, by mesne assignments, to The Alemite Corporation, Chicago, Ill. Automatic lubricant cup and the like. 1,787,770; Jan. 6.
Zerk, Oscar U., Cleveland, Ohio, assignor, by mesne assignments, to Alemite Corporation, Chicago, Ill. Lubricating apparatus. 1,803,520; May 5.
Zern, Clarence J. (See Stewart, C. R. G., and Zern.)
Zerollo, Dante D., Genoa, Italy. Sealing apparatus. 1,790,037; Jan. 27.
Zerozone Corporation. (See Bihl, W. E., and Ramclaw, assignors.)
Zerr, Elijah J., Glendale, Calif. Casing-head packer 1,794,662; Mar. 3.
Zerr, Elijah J., Glendale, Calif. Rotary drill stem bushing. 1,807,949; June 2.
Zerweck, Herman, Chicago, Ill. Minim alcohol beverage. 1,831,585; Nov. 10.
Zerweck, Werner. (See Heidenreich, R., Zerweck, and Honold.)
Zerweck, Werner. (See Herz, R., and Zerweck.)
Zerweck, Werner. (See Kalischer, G., and Zerweck.)
Zerweck, Werner. (See Kunz, M. A., Koeberle, and Zerweck.)
Zerweck, Werner. (See Thiess, K., Meissner, and Zerweck.)
Zerweck, Werner, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Brown vat dyestuffs of the anthraquinone series. 1,829,843; Nov. 3.
Zerweck, Werner, Frankfort-on-the-Main-Fechenheim, and R. M. Heidenreich, Leverkusen, near Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Brown vat dyestuff of the anthanthrone series and making same. 1,801,709; Apr. 21.
Zerweck, Werner, and E. Honold, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. New vat dyestuffs of the benzanthrone series and making same. 1,819,053; Aug. 18.
Zetterlund, Carl, Chicago, Ill. Hoisting apparatus. 1,810,936; June 23.
Zetterlund, Theodor, assignor to The Kerner Automatic Hoist Company, Milwaukee, Wis. Hoisting mechanism. 1,788,938; Jan. 13.
Zeun, Louis H., Catonsville, assignor of one-third to J. B. Adt, and one-third to A. W. Adt, Baltimore, Md. Butter for tobacco-stemming machines. 1,787,966; Jan. 6.
Zeun, Louis H., Catonsville, assignor of one-third to J. B. Adt, and one-third to A. W. Adt, Baltimore, Md. Tooth structure for tobacco-stemming machines. 1,787,967; Jan. 6.
Zeun, Louis H., Catonsville, assignor of one-third to J. B. Adt and one-third to A. W. Adt, Baltimore, Md. Tobacco-stemming machine. 1,792,207; Feb. 10.
Zick, William J., Heathcroft, London, England, assignor to Standard Oil Development Company. Detergent composition. 1,812,507; June 30.
Ziebarth, Charles A., assignor to The Bell & Howell Company, Chicago, Ill. Humidor. 1,826,115; Oct. 6.
Ziederich, William H. F., San Bruno, Calif. Wire fastener. 1,818,523; Aug. 11.
Ziegler, Adolph F., Cleveland, Ohio. Compression faucet valve. 1,799,667; Apr. 7.
Ziegler, Fritz, jr. (See Dawson, Bayliss M., assignor.)
Ziegler, George J., assignor of one-half to C. J. Heyler, Los Angeles, Calif. Nozzle for picking cotton. 1,833,346; Nov. 24.
Ziegler, Harry, Saratoga Springs, N. Y. Hull construction. 1,831,697; Nov. 10.
Ziegler, Royden M., Westfield, A. Pardee, Princeton, N. J., and H. W. Warden, jr., Haverford, Pa., assignors to The C. Pardee Works, Perth Amboy, N. J. Apparatus for displaying tiles or the like. 1,802,102; Apr. 21.
Ziegler, Walter W., Lakewood, assignor to The Cleveland Heater Company, Cleveland, Ohio. Water heater. 1,830,866. Nov. 10.
Ziele, Herbert, Napier, New Zealand. Hot water bag. 1,822,190; Sept. 8.
Zieley, John D., Belmar, N. J., and H. E. Roys, New York, N. Y., said Roys assignor to said Zieley. Game. 1,809,098; June 9.
Zielinski, Frank J., Toronto, Ohio. Rolling mill. 1,792,793; Feb. 17.
Zieman, Harry J., Milwaukee, Wis. Advertising display device. 1,792,135; Feb. 10.
Ziembinski, Stanislas J., Bellevue, France. Spark advancing apparatus. 1,803,451; May 5.
Ziemmerman, Henry, assignor to Chicago Cardboard Company, Chicago, Ill. Stage display device. 1,808,708; June 2.
Ziemmerman, Henry, assignor to Chicago Cardboard Company, Chicago, Ill. Folding display. 1,817,598; Aug. 4.
Zierdt, Conrad H., Rosedale, assignor to The Union Switch & Signal Company, Swissvale, Pa. Highway-crossing signal. 1,788,182; Jan. 6.
Zierdt, Conrad H., Rosedale, Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Voltage-regulating apparatus. 1,790,691; Feb. 3.
Zierdt, Conrad H., Rosedale, Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 1,804,663; May 12.
Zierdt, Conrad H., Rosedale, Penn Township, Allegheny County, assignor to the Union Switch & Signal Company, Swissvale, Pa. Power supply system. 1,804,664; May 12.
Zieschang, Paul C., Columbus, Ohio. Fountain-pen filler. 1,793,891; Feb. 24.
Ziess, Firm Carl. (See Helfer, Daniel, assignor.)
Zifferer, Lothar R., Columbia, Pa. Costumer. Des. 83,229; Feb. 3.
Zifferer, Lothar R., deceased; M. C. Zifferer, H. E. Champion, and H. N. Albright, executors, assignors to Columbia Malleable Castings Corporation, Columbia, Pa. Melting metals. 1,825,841; Oct. 6.
Zifferer, Lothar R., deceased; M. C. Zifferer, H. E. Champion, and H. N. Albright, executors, assignors to Columbia Malleable Castings Corporation, Columbia, Pa. Pipe hanger. 1,825,842; Oct. 6.
Zifferer, Mabel C., et al., executors. (See Zifferer, Lothar R.)
Zigelman, Philip, and M. Rose, New York, N. Y. Control for valves and switches. 1,829,699; Oct. 27.
Zigtema, Dirk B., Wichert, Ill. Life saving device. 1,834,885; Dec. 1.
Ziler, Corban H., Carthage, Mo., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Spring-nesting mechanism for coiling machines. 1,791,257; Feb. 3.
Zilliox, John, Orchard Park, N. Y. Wrench. 1,822,428; Sept. 8.
Zimdars, John B., E. S. Carniglia, and M. M. Smith, San Francisco, Calif. Pencil. 1,832,272; Nov. 17.
Zimerman, Ludwig, Philadelphia, Pa. Railroad brake shoe. 1,814,778; July 14.
Zimic, Michael, Ridgewood, N. Y. Knitting machine. 1,824,320; Sept. 22.

Zimmer, Arnold A., Chicago, Ill., assignor to The Lamson Company, Syracuse, N. Y. Pressure relief means for pneumatic tube systems. 1,807,096; May 26.
Zimmer, Gertrude E. (See Zimmer, Samuel B., assignor.)
Zimmer Manufacturing Company. (See Ettinger, Joe J., assignor.)
Zimmer, Meade L., Cordoba, Argentina. Telephonic time-announcing system. 1,796,906; Mar. 17.
Zimmer, Meade L., Cordoba, Argentina. Film-projecting machine. 1,797,066; Mar. 17.
Zimmer, Samuel B., assignor to G. B. Zimmer, Los Angeles, Calif. Screened-closure construction. 1,799,719; Apr. 7.
Zimmerer, Frederick J., and H. W. Bauer, assignors to The Russell Manufacturing Company, Middletown, Conn. Fabric. 1,800,671; Apr. 14.
Zimmerer, Frederick J., and H. W. Bauer, assignors to The Russell Manufacturing Company, Middletown, Conn. Garment supporter. 1,831,616; Nov. 10.
Zimmerli, William F., Akron, and W. L. Semon, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Composition of matter and making same. 1,829,029; Oct. 27.
Zimmerman, Arthur H. (See Moeller, W. J., and Zimmerman.)
Zimmerman, August, et al. (See Percell, John D., assignor.)
Zimmerman, Benjamin F., New Haven, Conn., assignor to F. E. Bigelow, Detroit, Mich. Filtering device. 1,828,484; Oct. 20.
Zimmerman, Charles H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire repair. 1,832,802; Nov. 17.
Zimmerman, Edward B., Philadelphia, Pa. Spring bearing. 1,799,450; Apr. 7.
Zimmerman, Harry C. (See Goebert, E. C. and Zimmerman.)
Zimmerman, Harry C., Washington, D. C. Gun mount. 1,810,001; June 16.
Zimmerman, Henry, St. Louis, Mo. Air mail catcher and refilling device. 1,818,834; Aug. 11.
Zimmerman, Herman W., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Shackle jimmy. 1,810,513; June 16.
Zimmerman, Herman W., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Spring jack. 1,828,758; Oct. 27.
Zimmerman, Herman W., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Shackle jack. 1,832,606; Nov. 17.
Zimmerman, Joseph, and F. A. Glock, assignors of one-third to F. Foell, Dayton, Ohio. Spotting brush. 1,796,641; Mar. 17.
Zimmerman, Karl. (See Reichmann, R., and Zimmermann.)
Zimmerman, Leroy G., Milwaukee, Wis. Manhole construction. 1,793,038; Feb. 17.
Zimmerman, Martin D., Washington, D. C., and H. Pullen, Preston, Md., assignors to International Patents Corporation, Rehoboth Beach, Del. Musical instrument or similar article. Des. 83,185; Jan. 27.
Zimmerman, Martin D., Washington, D. C., and H. Pullen, Preston, Md., assignors to International Patents Corporation, Rehoboth Beach, Del. Musical instrument or similar article. Des. 83,383; Feb. 17.
Zimmerman, Martin D. Washington, D. C., and H. Pullen, Preston, Md., assignors to International Patents Corporation, Rehoboth Beach, Del. Musical instrument. 1,813,337; July 7.
Zimmerman, Max, Lockport, N. Y. Making straw pulp for straw board. 1,816,456; July 28.
Zimmerman, Max, Lockport, N. Y. Making straw pulp for straw board. 1,816,457; July 28.
Zimmerman, Paul P., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,818,596; Aug. 11.
Zimmerman, Paul P., Chicago, Ill., assignor to Western Electric Company. Incorporated, New York, N. Y. Treating materials. 1,826,856; Oct. 13.
Zimmerman, Thomas J., Arcadia, Fla. Gun holding device. 1,837,939; Dec. 22.
Zimmerman, Walter J., assignor to The Management Engineering and Development Company, Dayton, Ohio. Building. 1,813,523; July 7.
Zimmerman, Walter J., Dayton, Ohio, assignor to Mead Paperboard Corporation, Wilmington, Del. Paper manufacture. 1,821,198; Sept. 1.
Zimmerman, Walter J., assignor to The Mead Research Engineering Company, Dayton, Ohio. Beater. 1,826,857; Oct. 13.
Zimmerman, Willard P., assignor to Hemingray Glass Company, Muncie, Ind. Bottle or similar article. Des. 84,313; June 2.
Zimmerman, William F., Maplewood, N. J., assignor to Gould & Eberhardt, Newark, N. J. Cam controlled shaper feed. 1,830,309; Nov. 3.
Zimmerman, William R. (See Bezzenberger, F. K., and Zimmerman.)
Zimmermann, Anna E., Cincinnati, Ohio. Absorbent lid device for frying pans. 1,794,940; Mar. 3.
Zimmermann, Anna E., San Francisco, Calif. Folding stand for pressing irons. 1,801,476; Apr. 21.
Zimmermann, Hans J., Mannheim, Germany. Apparatus for compressing and expanding fluids. 1,825,843; Oct. 6.
Zimmermann, John, jr., Oak Lane, Pa. Double-pile fabric. 1,795,156; Mar. 3.
Zimmermann, John, jr., Oak Lane, Pa. Double-pile fabric. 1,795,157; Mar. 3.
Zimmermann, John, jr., Oak Lane, Pa. Double-pile fabric. 1,795,158; Mar. 3.
Zimmermann, Karl, Darmstadt, assignor to Machinenfabrik Augsburg-Nurnberg A. G., Nuremberg, Germany. Bottom packing for weir-locks. 1,814,881; July 14.
Zimmermann, Paul. (See Vorck, T., and Zimmermann.)
Zimmers, Joseph B., assignor of thirty one-hundredths to W. M. Zimmers, thirty one-hundredths to A. L. Herron, twenty one-hundredths to O. L. Herron, and twenty one-hundredths to himself, Chicago, Ill. 1,793,297; Feb. 17.
Zimmers, Joseph B., et al. (See Herron, Ollie L., assignor.)
Zimmers, Wilma M., et al. (See Herron, Ollie L., assignor.)
Zimmers, Wilma M., et al. (See Zimmers, Joseph B., assignor.)
Zindel, Ernst, assignor to H. Junkers, Dessau, Germany. Landing carriage for aircraft. 1,802,692; Apr. 28.
Zingg, Oscar, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Circuit breaker. 1,798,861; Mar. 31.
Zingg, Oskar, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Switch with magnetic blow-outs. 1,799,720; Apr. 7.
Ziniti, Frank W. (See White, Lillie G., assignor.)
Zink, Clifford J., Cleveland, Ohio. Brake. 1,825,296; Sept. 29.
Zink, John S., Tulsa, Okla. Gas burner. 1,826,588; Oct. 6.
Zinkernagel, Richard, assignor to International Combustion Engineering Corporation, New York, N. Y. Traveling grate stoker. 1,832,888; Nov. 24.
Zinkil, Roy H., Oak Park, assignor to Crane Co., Chicago, Ill. Lavatory. Des. 84,065; Apr. 28.
Zinkil, Roy H., and O. C. Osterhage, assignors to Crane Co., Chicago, Ill. Catch for plumbing fixture waste stems. 1,797,563; Mar. 24.
Zinkil, Roy H., and O. C. Osterhage, assignors to Crane Co., Chicago, Ill. Lever action waste. 1,816,458; July 28.
Zinkowetsky, Jacob, New York, N. Y. Airplane safety device. 1,820,958; Sept. 1.
Zinner, Daniel, South Milwaukee, Wis., assignor, by mesne assignments, to Newport Chemical Corporation. Azo dyestuffs and process of preparation. 1,789,279; Jan. 13.
Zinsitz, Matthew G., Brookfield, Wis. Tire inflation. 1,788,699; Jan. 13.
Zinsitz, Matthew G., Brookfield, Wis. Tire inflating device. 1,834,234; Dec. 1.
Zinslen, Joseph J., Canton, Ohio. Tool holder. 1,814,882; July 14.
Zinsmaster Baking Company. (See Binger, Delmar M., assignor.)
Zintner, Hugo W., et al. (See Wilson, Stephen G., assignor.)
Zipp, Louis. (See Thorpe, S. T., and Zipp.)
Zipperle, Eugen, Asperg, Germany. Roller blind. 1,798,445; Mar. 31.
Zisch, George J., Newark, N. J. Thermostatic control device. 1,822,001; Sept. 8.
Zisch, George J., Newark, N. J. Thermostatic switch. 1,826,488; Oct. 6.
Zisch, George J., Newark, N. J., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Sound-producing device. 1,796,975; Mar. 17.
Zitko, Charles, St. Louis, Mo. Conductor hook. 1,794,817; Mar. 3.
Zitscher, Arthur. (See Laska, L., Reyher, and Zitscher.)
Zitscher, Arthur. (See Laska, L., and Zitscher.)
Zitscher, Arthur, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. 2:3-hydroxynaphthyl-arylketones. 1,817,957; Aug. 11.
Zitscher, Arthur, Offenbach-on-the-Main, and R. Schmitt, Darmstadt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuffs insoluble in water and making same. 1,820,039; Aug. 25.
Zitzmann, Arthur. (See Mahoney, J. A., and Zitzmann.)
Zizelman, Etta G., New York, N. Y. Sewing screen. 1,808,704; June 2.
Zlydin, Peter M., Astoria, N. Y. Printing machine for textile fabrics. 1,797,038; Mar. 17.
Zlydin, Peter M., New York, N. Y. Printing machine for silk and other materials. 1,813,010; July 7.
Zobel, Hans. (See Marx, K., Behncke, and Zobel.)
Zobel, Otto J., New York, N. Y., assignor to American Telephone and Telegraph Company. Phase-shifting network. 1,792,523; Feb. 17.
Zoelly, Heinrich, Zurich, Switzerland. Power vehicle with two mutually-sprung frames. 1,792,794; Feb. 17.
Zoelly, Heinrich, Zurich, Switzerland. Stuffing box for rotating shafts. 1,806,515; May 19.
Zoerb, Howard M., and R. W. Buettner, assignors to Nordberg Manufacturing Company, Milwaukee, Wis. Felting machine. 1,838,727; Dec. 29.
Zoerner, Hugo P., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Mirror frame construction. 1,815,940; July 28.
Zoes, C. A., Manufacturing Co. (See Bicks, Jean W., assignor.)
Zogg, Hudson E., Warners, N. Y. Adjustable ground fitting. 1,802,624; Apr. 28.
Zoglauer, Ferdinand, Peterswalds, near Orlau, Czechoslovakia. Rowing device. 1,805,749; May 19.

Zoia, Hector G., Cleveland, Ohio. Service device. 1,800,491; Apr. 14.
Zoll, Henry, Elmhurst, N. Y., assignor to Eberhard Faber Pencil Co. Box. 1,838,514; Dec. 29.
Zolla, Leon, Long Island City, N. Y., assignor to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Section-connecting means. 1,795,589; Mar. 10.
Zolleis, John G., Germantown, Pa. Conduit housing. 1,796,740; Mar. 17.
Zolleis, John G., Germantown, Pa. Check valve. 1,825,569; Sept. 29.
Zoller, Alfred H., Denville, N. J. Gasoline pump. 1,837,513; Dec. 22.
Zoller, Egon, and J. Villiger, Maitland, Italy. Call-number indicator. 1,800,240; Apr. 14.
Zöllner, Clemens, Berlin-Charlottenburg, assignor to Schering-Kahlbaum Aktiengesellschaft, Berlin, Germany. Production of quinoline derivatives. 1,804,045; May 5.
Zones, Robert. (See Stanley, A. E., and Zones.)
Zonino, Frederick, assignor to The Goodyear's India Rubber Glove Mfg. Company, Naugatuck, Conn. Assembling rubber footwear elements. 1,825,379; Sept. 29.
Zons, Frederick W., assignor to American Neon Light Corporation, New York, N. Y. Preparing luminescent tubes. 1,817,333; Aug. 4.
Zook, John C. (See Best, A. E., and Zook.)
Zook, John S., assignor to Burgess Battery Company, Madison, Wis. Battery. 1,790,784; Feb. 3.
Zorc, Ludwig F., Chicago, Ill. Radiator shell. Des. 85,222; Sept. 22.
Zorc, Ludwig F., Chicago, Ill. Radiator shell. Des. 85,223; Sept. 22.
Zorc, Ludwig F., Chicago, Ill. Radiator shell. Des. 85,224; Sept. 22.
Zorn, Frank, New York, N. Y. Nonslipping stopper for sinks and the like. 1,825,499; Sept. 29.
Zorn, Hermann. (See Galle, E., and Zorn.)
Zorn, William H., Harrisburg, Nebr. Pump. 1,806,658; May 26.
Zornig, Hermann H., U. S. Army, Newhall, Iowa. Fuse for projectiles. 1,813,106; July 7.
Zouck, George H., Orange, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive booster cylinder cock controlling mechanism. 1,822,429; Sept. 8.
Zoul, Charles V., Santa Monica, Calif., assignor, by mesne assignments, to Celite Corporation, New York, N. Y. Removal of solid oils and waxes from liquid oils and similar materials. 1,831,433; Nov. 10.
Zrnel, John, Cleveland, Ohio. Shoe cleaning device. 1,830,455; Nov. 3.
Zschimmer, Bodo. (See Guenther, F., Teller, Immerheiser, and Zschimmer.)
Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Instrument mechanism holder. 1,808,198; June 2.
Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Thermostatic control. 1,815,641; July 21.
Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Heat indicator. 1,815,642; July 21.
Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Connection of driving means to speedometers. 1,823,867; Sept. 15.
Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Mounting of speed cup and rotor shaft. 1,826,409; Oct. 6.
Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Speedometer temperature compensator. 1,838,896; Dec. 29.
Zubaty, Joseph, Flint, assignor to A C Spark Plug Company, Flint, Mich. Instrument panel illumination. 1,823,868; Sept. 15.
Zube, Carl J., assignor, by mesne assignments, to The Evans Auto Loading Company, Inc., Detroit, Mich. Receptacle mold. 1,787,503; Jan. 6.
Zubia, Joseph D., and M. S. Gutierrez, Los Angeles, Calif. Detachable heel. 1,829,252; Oct. 27.
Zubia, Joseph D., and M. S. Gutierrez, Los Angeles, Calif. Detachable shoe heel. 1,829,253; Oct. 27.
Zubli, Justus C., Bremerton, Wash. Stencilling or imparting machine. 1,796,498; Mar. 17.
Zublin, John A., Los Angeles, Calif. Weight relief and fluid control on drill pipe. 1,801,788; Apr. 21.
Zublin, John A., and F. A. Pilgrim, assignor to Universal Engineering Company, Los Angeles, Calif. Core drill with auxiliary reamer. 1,815,391; July 21.
Zucca, Emil, New York, N. Y. Curtain mounting. 1,791,548; Feb. 10.
Zucco, Pierre. (See De Lambert, Leonce, assignor.)
Zucco, Pierre, San Francisco, Calif. Cement composition. 1,803,582; May 5.
Zuch, Harry A., New York, N. Y. Electrically controlled mechanism for detecting leaks in cylindrical cans or containers. 1,826,589; Oct. 6.
Zucker, Milton. (See Moore, C. G., and Zucker.)
Zucker, Richard D., Tenafly, N. J., assignor, by mesne assignments, to The Rumidor Corporation, Union City, N. J. Humidor. Re17,927; Jan. 13.
Zuckerman, Adolph M., assignor to R. Hoe & Co., Inc., New York, N. Y. Sheet handling mechanism. 1,808,514, June 2.
Zuckerman, Nathan, Brooklyn, N. Y. Radio vacuum tube socket adapter. 1,819,805; Aug. 18.
Zuckerman, Roscoe C., Stockton, Calif. Blade mounting for underground crop diggers. 1,815,057; July 21.
Zuckerman, Roscoe C., Stockton, Calif. Protecting envelope for trees. 1,820,040; Aug. 25.
Zuckermandel, Edward C., assignor to The Dow Chemical Company, Midland, Mich. Method of preventing decomposition of halogenated hydrocarbons. 1,819,585; Aug. 18.
Zuckermandel, Edward C., assignor to The Dow Chemical Company, Midland, Mich. Preservative. 1,835,682; Dec. 8.
Zühlke, Marcel, Berlin-Weissensse, Germany, assignor to Westinghouse Electric & Manufacturing Company. Choke coil. 1,818,186; Aug. 11.
Zullim, John L., et al. (See Shoer, George G., assignor.)
Zumwalt, James M., Miami, Fla. Safety razor. 1,821,825; Sept. 1.
Zupa, Frank A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic device. 1,816,558; July 28.
Zupnik, Edward, Washington, D. C. Cellophane container. Des. 85,410; Oct. 20.
Zurcher, Paul, Florence, Colo., assignor, by mesne assignments, to Continental Oil Company, Ponca City, Okla. Activated carbon. 1,819,314; Aug. 18.
Zurflieh, Arnold J., Scranton, Pa. Setting wax. 1,800,041; Apr. 7.
Zury, William, Homestead, Pa. Curtain holding device. 1,810,868; June 16.
Zuschlag, Theodor, assignor to Swedish American Prospecting Corporation, New York, N. Y. Method of and apparatus for locating terrestrial conducting bodies. 1,812,392; June 30.
Zuspan, Charles E. (See Wade, V. M., and Zuspan.)
Zusy, Charles J. (See Ellis, D. S., and Zusy.)
Zwermann, Carl H., Robinson, Ill. Lavatory. Des. 83,025; Jan. 6.
Zwicky, Jean, Farnham Royal, England. Strainer or filter, particularly for petrol filling nozzles. 1,799,998; Apr. 7.
Zwicky, Jean, Farnham Royal, England. Filling nozzle. 1,799,999; Apr. 7.
Zwilgmeyer, Frithjof, Buffalo, assignor to National Aniline & Chemical Company Inc., New York, N. Y. Dispersion. 1,817,958; Aug. 11.
Zwindel, Karl M. E., Denville, assignor to The Tubular Air-Craft Corporation, Secaucus, N. J. Mechanical rocket power for airplanes. 1,802,861; Apr. 28.
Zwink, Frank, Loup City, Nebr. Ensilage elevator for pit silos. 1,787,651; Jan. 6.
Zwinkel, Karl M. E., Denville, N. J., assignor to The Tubular Air-Craft Corporation. Mechanical rocket power for airplanes. 1,802,860; Apr. 28.
Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Wireless picture transmission. 1,800,000; Apr. 7.
Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. System for recording electrical fluctuations. 1,802,747; Apr. 28.
Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Light sensitive element. 1,807,056; May 26.
Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Television apparatus. 1,817,502; Aug. 4.
Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photographic printing apparatus. 1,826,858; Oct. 13.
Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photo electric tube. 1,832,607; Nov. 17.
Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sound recording and reproducing system. 1,834,197; Dec. 1.
Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photoelectric tube. 1,837,744; Dec. 22.
Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vacuum tube. 1,837,745; Dec. 22.
Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photoelectric tube. 1,837,746; Dec. 22.
Zych, George. (See Pehel, Z., and Zych.)

LIST OF DISCLAIMERS

Abbott, Albert L., Canton, Ohio. Disclaimer filed by the assignee, Diebold Safe and Lock Company. No. 1,770,189; disclaimer filed Aug. 12, 1931; v. 410; p. 1.

Alexanderson, Ernst F. W., Schenectady, N. Y. Disclaimer filed by the assignee, Radio Corporation of America. No. 1,508,151; disclaimer filed Nov. 16, 1931; v. 413; p. 277.

Algeo, Albert M., and James W. Ross, Washington, Pa. Disclaimer filed by the assignee, Hazel-Atlas Glass Co. No. 1,816,275; disclaimer filed Dec. 8, 1931; v. 413; p. 1097.

Andersen, Harry A., Racine, Wis. Disclaimer filed by the assignee, Hamilton Beach Manufacturing Company. No. 1,762,376; disclaimer filed May 23, 1931; v. 407; p. 584.

Anderson, Carl E., Chicago, Ill. Disclaimer filed by the assignee, Chicago Forging and Manufacturing Co. No. 1,208,272; disclaimer filed Feb. 10, 1931; v. 403; p. 793.

Anderson, John R., Keyport, N. J. Disclaimer filed by the patentee. No. 1,691,507; disclaimer filed Apr. 14, 1931; v. 406; p. 1.

Bagshaw, Charles M., Leicester, England. Disclaimer filed by the assignee, United Shoe Machinery Corporation. No. 1,698,902; disclaimer filed Jan. 16, 1931; v. 403; p. 250.

Barkeij, Jean A. H., Los Angeles, Calif. Disclaimer filed by the patentee. No. 1,787,186; disclaimer filed June 3, 1931; v. 407; p. 868.

Barr, Clarence E., and Thomas E. Jackson, Detroit, Mich. Disclaimer filed by the assignee, Harry C. Le Vine. No. 1,466,656; disclaimer filed May 11, 1931; v. 406; p. 858.

Bassett, William H., Cheshire, Conn. Disclaimer filed by the assignee, The American Brass Company. Re. No. 17,296; disclaimer filed Mar. 13, 1931; v. 405; p. 275.

Beebe, John D., Chicago, Ill. Disclaimer filed by the assignee, The American Rolling Mill Company. No. 1,523,927; disclaimer filed Feb. 6, 1931; v. 403; p. 794.

Behan, Thomas W., Binghamton, N. Y. Disclaimer filed by the assignee, Nineteen Hundred Corporation. Des. 73,995; disclaimer filed June 6, 1931; v. 407; p. 868.

Berry, George W., deceased, Kane, Pa. Disclaimer filed by the assignee, The Commercial Shearing & Stamping Co. Re. No. 17,130; disclaimer filed Feb. 13, 1931; v. 404; p. 8.

Bonsall, Charles D., Chicago, Ill. Disclaimer filed by the assignee, Union Metal Products Company. No. 1,638,143; disclaimer filed Apr. 6, 1931; v. 405; p. 547.

Booth, Morris F., Chicago, Ill. Disclaimer filed by the assignee, Mullins Manufacturing Corporation. No. 1,798,652; disclaimer filed Aug. 8, 1931; v. 410; p. 1.

Borst, Andrew J., Buffalo, N. Y. (two cases). Disclaimer filed by the assignee, Fruehauf Trailer Company, Nos. 1,374,352 and 1,383,381; disclaimer filed May 8, 1931; p. 406; pp. 857–858.

Boulton, George, Rochester, N. Y. (two cases). Disclaimer filed by the assignee, United Shoe Machinery Corporation. Nos. 1,406,335 and 1,700,624; disclaimer filed Mar. 9, 1931; v. 404; p. 800.

Bouton, Edgar M., Chicago, Ill. Disclaimer filed by the assignee, Westinghouse Electric & Manufacturing Company. No. 1,720,538; disclaimer filed Apr. 7, 1931; v. 405; p. 848.

Brogden, Ernest M., Santa Monica, and Miles L. Trowbridge, Palms, Calif. Disclaimer filed by the assignee, Brogdex Company. No. 1,529,461; disclaimer filed Aug. 3, 1931; v. 409; p. 849.

Brown, Ray M., Yonkers, N. Y. Disclaimer filed by the assignees, Howard L. Ingersoll, Locomotive Booster Company, and Franklin Railway Supply Company. No. 1,380,348; disclaimer filed Dec. 4, 1931; v. 413; p. 865.

Butterfield, Charles, Middletown, Ohio. Disclaimer filed by the assignee, The Interstate Folding Box Company. No. 1,461,967; disclaimer filed Mar. 2, 1931; v. 404; p. 799.

Carpenter, Warren W., Queens Village, N. Y. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 1,747,224; disclaimer filed May 15, 1931; v. 407; p. 302.

Cohen, Joseph H., Bridgeport, Conn. (two cases). Disclaimer filed by the patentee, assignee, Casco Products Corporation, assenting. Nos. 1,710, 348 and 1,710,531; disclaimer filed May 20, 1931; v. 407; p. 584.

Conway, Roy D., Basking Ridge, N. J. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,700,469; disclaimer filed July 13, 1931; v. 409; p. 298.

Cremean, William F., Toledo, Ohio. Disclaimer filed by the patentee, assignee, The Wine Railway Appliance Company, consenting. Re. No. 15,360; disclaimer filed May 6, 1931; v. 406; p. 856.

Davis, William N., Oakland, William H. Hampton, Berkeley, and Edwin H. Klemgard, Albany, Calif. Disclaimer filed by the assignee, Standard Oil Company of California. No. 1,705,809; disclaimer filed Aug. 10, 1931; v. 410; p. 1.

Day, Morgan R., Boston, Mass. Disclaimer filed by the assignee, Rubber Latex Research Corporation. Disclaimer filed May 22, 1931; v. 407; p. 584.

Denison, Frederick S., and Lewis L. Cunningham, Minneapolis, Minn. Disclaimer filed by the assignee, Minneapolis-Honeywell Regulator Company. No. 1,727,308; disclaimer filed June 15, 1931; v. 407; p. 1124.

Devick, Joseph C., Helena, Mont. Disclaimer filed by the assignee, American Smelting and Refining Company. No. 1,669,458; disclaimer filed July 14, 1931; v. 409; p. 567.

Dobben, Pieter W., Eindhoven, Netherlands. Disclaimer filed by the assignee, N. V. Philips' Gloeilampenfabrieken. No. 1,772,133; disclaimer filed Aug. 25, 1931; v. 410; p. 824.

Driggs, Louis L., jr., New Rochelle, and Henry B. Faber, New York, N. Y. Disclaimer filed by the patentees. No. 1,712,382; disclaimer filed Sept. 23, 1931; v. 411; p. 548.

Dwight, Arthur S., New York, N. Y. (four cases). Disclaimer filed by the assignee, Dwight & Lloyd Sintering Company, Inc. Nos. 1,254,316, 1,433,349, 1,433,351 and 1,433,352; disclaimer filed Oct. 21, 1931; v. 412; pp. 562, 563.

Evans, Owen B., and Harutyun G. Terzian, Philadelphia, Pa. Disclaimer filed by the assignee, The United Gas Improvement Company. No. 1,418,782; disclaimer filed Sept. 16, 1931; v. 411; p. 13.

Fithian, Lon, Washington, Pa. Disclaimer filed by the assignee, Hazel-Atlas Glass Company. No. 1,671,674; disclaimer filed Jan. 5, 1931; v. 402; p. 710.

Flintermann, Gerhard, West Orange, N. J. Disclaimer filed by the patentee. No. 1,811,923; disclaimer filed July 2, 1931; v. 408; p. 594.

Frederick, Louis T., Valparaiso, Ind. (two cases). Disclaimer filed by the assignee, Continental-Diamond Fibre Company. Nos. 1,759,500 and 1,759,501; disclaimer filed Dec. 3, 1931; v. 413; p. 865.

Fuller, Bert F., Pittsburgh, Pa. Disclaimer filed by the assignee, Westinghouse Electric & Manufacturing Company. No. 1,640,542; disclaimer filed Dec. 16, 1930; v. 402; p. 710.

Furber, Frederick M., deceased, by Samuel R. Cutler, Revere, Mass., administrator. Disclaimer filed by the assignee, United Shoe Machinery Corporation. No. 1,775,070; disclaimer filed Mar. 12, 1931; v. 404; p. 1050.

Gates, Charles C., Denver, Colo. Disclaimer filed by the assignee, The Gates Rubber Company. No. 1,400,539; disclaimer filed Jan. 19, 1931; v. 403; p. 250.

Glass, Perley R., Wayland, Mass. Disclaimer filed by the assignee, United Shoe Machinery Corporation. No. 1,580,132; disclaimer filed Feb. 4, 1931; v. 403; p. 794.

Goldberg, Max, New York, N. Y. Disclaimer filed by the patentee. No. 1,723,729; disclaimer filed Oct. 23, 1931; v. 412; p. 563.

Gordon, Samuel, and Nathan Eckstein, New York, N. Y. Disclaimer filed by the first named patentee, and The Leonardo Co., Inc., as assignee of one-half interest. No. 1,542,693; disclaimer filed Dec. 30, 1930; v. 402; p. 515.

Gray, Frank, New York, N. Y. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 1,754,504; disclaimer filed Oct. 14, 1931; v. 412; p. 1.

Gray, George W., New York, N. Y. Disclaimer filed by the assignee, The Texas Company. No. 1,724,760; disclaimer filed Nov. 10, 1931; v. 413; p. 12.

Hall, William A., New York, N. Y. Disclaimer filed by the assignee, The Texas Company. No. 1,239,099; disclaimer filed Sept. 5, 1931; v. 411; p. 13.

Hamilton, George W., Evanston, Ill. Disclaimer filed by the assignee, Locke Insulator Corporation. No. 1,761,076; disclaimer filed June 30, 1931; v. 408; p. 594.

Hammond, Laurens, Winnetka, Ill. Disclaimer filed by the assignee, The Hammond Clock Company. No. 1,719,805; disclaimer filed Oct. 16, 1931; v. 412; p. 1.

Hans, Thomas, Chicago, Ill. Disclaimer filed by the assignee, Container Corporation of America. No. 1,685,917; disclaimer filed Aug. 31, 1931; v. 410; p. 824.

Harris, Percival, New York, N. Y. Disclaimer filed by the patentee and the exclusive licensee, Mutual Hair Goods Co., Inc. No. 1,628,591; disclaimer filed Mar. 2, 1931; v. 404; p. 800.

Hayman, William C., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 1,751,403. Disclaimer filed Feb. 10, 1931; v. 403; p. 794.

Hedenskoog, Ernest, Muskegon, Mich. Disclaimer filed by the assignee, Brunswick-Balke-Collender Company. No. 1,597,974; disclaimer filed Oct. 26, 1931; v. 412; p. 563.

Hehemann, Frederick H., Cincinnati, Ohio. Disclaimer filed by the assignee, The Lunkenheimer Company. No. 1,800,293; disclaimer filed June 22, 1931; v. 408; p. 12.

Henry, Raymond, Rock Island, Ill. Disclaimer filed by the assignee, O.-N. Spring Shackle Company. No. 1,692,837; disclaimer filed June 9, 1931; v. 407; p. 1124.
Hicken, Elmer E., Collingswood, N. J. Disclaimer filed by the patentee. No. 1,733,016; disclaimer filed May 13, 1931; v. 407; p. 302.
Hoffman, Edward L., Dayton, Ohio. Disclaimer filed by the patentee. No. 1,757,247; disclaimer filed June 22, 1931; v. 408; p. 12.
Holmes, Ralph C., New York, N. Y.; Frederick T. Manley, Houston, and Otto Behimer, Port Arthur, Texas. Disclaimer filed by the assignee, The Texas Company. No. 1,646,380; disclaimer filed Nov. 10, 1931; v. 413; p. 12.
Horsfall, Ronald S., and Leslie G. Lawrie, Blackley, Manchester, England. Disclaimer filed by the assignee, British Dyestuffs Corporation Limited. No. 1,693,926; disclaimer filed July 1, 1931; v. 408; p. 594.
Hovland, Henry, Huntington, N. Y. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 1,747,169; disclaimer filed July 2, 1931; v. 408; p. 594.
Howard, Frank A., and Nathaniel Loomis, Elizabeth, N. J. Disclaimer filed by the assignee, Standard Oil Development Company. No. 1,670,037; disclaimer filed Nov. 6, 1931; v. 413; p. 12.
Hunneman, Roger D., Chicago, Ill. Disclaimer filed by the assignee, Standard Oil Company. No. 1,676,609; disclaimer filed May 8, 1931; v. 406; p. 858.
Jones, Leo D., and Arthur U. Ayres, Philadelphia, Pa. Disclaimer filed by the assignee, The Sharples Specialty Company. Re. No. 16,640; disclaimer filed Jan. 30, 1931; v. 403; p. 518.
Jones, Loyd A., and Clifton M. Tuttle, Rochester, N. Y. Disclaimer filed by the patentees and the assignee, Eastman Kodak Company. No. 1,762,925; disclaimer filed Aug. 1, 1931; v. 409; p. 850.
Kathner, Arthur T., Mount Lebanon, Pa. Disclaimer filed by the patentee, exclusive licensee, The Duraloy Company, approving. Nos. Re. 17,413 and Pat. 1,725,398; disclaimer filed June 5, 1931; v. 407; p. 868.
Kemp, John B., Ridgewood, N. J. Disclaimer filed by the assignee, Clark Loose Leaf Manufacturing Company. Re. No. 16,618; disclaimer filed Apr. 4, 1931; v. 405; p. 547.
Kern, Fred M., Detroit, Mich. Disclaimer filed by the assignee, Cincinnati Grinders Incorporated. No. 1,737,852; disclaimer filed Apr. 3, 1931; v. 405; p. 547.
Kerr, Harry E., Cleveland, Ohio. Disclaimer filed by the assignee, The Barber Gas Burner Company. No. 1,560,248; disclaimer filed May 23, 1931; v. 407; p. 584.
King, Robert W., New York, N. Y. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,479,991; disclaimer filed Aug. 8, 1931; v. 410; p. 1.
Klein, Clarence J., Bellevue, Pa. Disclaimer filed by the assignee, United Engineering & Foundry Company. No. 1,783,797; disclaimer filed July 24, 1931; v. 409; p. 568.
Knoop, William A., Brooklyn, and Paul P. Cioffi, New York, N. Y. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,456,505; disclaimer filed July 7, 1931; v. 409; p. 12.
Korn, Franklin A., Elizabeth, N. J. Disclaimer filed by the assignee, Bell Telephone Laboratories, Incorporated. No. 1,752,438; disclaimer filed Sept. 18, 1931; v. 411; p. 13.
Krantz, Joseph A., Dover, Ohio. Disclaimer filed by the assignee, The Reeves Manufacturing Company. No. 1,654,738; disclaimer filed Oct. 29, 1931; v. 412; p. 563.
Law, Charles R., Mansfield, La. Disclaimer filed by the assignee, The Law Company, Incorporated. No. 1,734,866; disclaimer filed Apr. 11, 1931; v. 405; p. 848.
Lawhon, Charles D., Knoxville, Tenn. Disclaimer filed by the assignee, The Fulton Sylphon Company. No. 1,748,180; disclaimer filed Apr. 24, 1931; v. 406; p. 570.
Lawson, Robert H., Pawtucket, R. I. Disclaimer filed by the patentee, assignee, Hemphill Company, concurring. Re. No. 16,584; disclaimer filed Dec. 27, 1930; v. 402; p. 259.
Levenberg, Samuel P., New York, N. Y. Disclaimer filed by the assignee, Radio Corporation of America. No. 1,653,065; disclaimer filed May 18, 1931; v. 407; p. 301.
Lindridge, Charles D., Montclair, N. J. Disclaimer filed Mar. 4, 1931, by the assignee, American Telephone and Telegraph Company. No. 1,675,894; disclaimer filed Mar. 4, 1931; v. 404; p. 800.
Lippert, Henry E., Baltimore, Md. Disclaimer filed by the assignee, Nathan M. Lower. No. 1,793,223; disclaimer filed Nov. 30, 1931; v. 413; p. 866.
Luce, Grafton E., Chicago, Ill. Disclaimer filed by the assignee, Lancaster Iron Works, Inc. No. 1,765,765; disclaimer filed Sept. 8, 1931; v. 411; p. 13.
McClellan, Leslie N., Philip A. Kinzie, John L. Savage, and Charles M. Day, Denver, Colo. Disclaimer filed by the assignee, Universal Hydraulic Corporation; disclaimer filed May 25, 1931; v. 407; p. 868.
Mechlin, Ernest F., Washington, D. C. Disclaimer filed by the assignee, The Symington Company. No. 1,634,429; disclaimer filed June 16, 1931; v. 408; p. 11.
Metzgar, Leroy, Grand Rapids, Mich. Disclaimer filed by the patentee. No. 1,549,145; disclaimer filed Aug. 1, 1931; v. 409; p. 849.
Meyer, Ralph F., Freeport, Pa. Disclaimer filed by the assignee, Meyer Mineral Separation Company. No. 1,730,584; disclaimer filed Apr. 9, 1931; v. 405; p. 848.
Mittag, Albert H., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 1,699,153; disclaimer filed July 23, 1931; v. 409; p. 568.
Morris, William L., Fort Wayne, Ind. Disclaimer filed by the assignee, Auto Research Corporation. No. 1,227,481; disclaimer filed May 20, 1931; v. 407; p. 584.
Myers, Joseph W., and Roland J. Wilkinson, Jackson, Mich. Disclaimer filed by the patentee. No. 1,813,635; disclaimer filed Nov. 9, 1931; v. 413; p. 12.
Nash, Russell K., Brookline, Mass. Disclaimer filed by Boston Blacking Company, Inc. No. 1,771,388; disclaimer filed Mar. 9, 1931; v. 404; p. 802.
Nicolson, Alexander M., New York, N. Y. Disclaimer filed by the assignee, Communication Patents Inc. No. 1,779,747; disclaimer filed Sept. 5, 1931; v. 411; p. 14.
Noisom, Ole P., South Bend, Ind. Disclaimer filed by the patentee. No. 1,665,715; disclaimer filed Mar. 6, 1931; v. 404; p. 800.
Norton, Allen B., Cleveland, Ohio. Disclaimer filed by the patentee and the assignee, Aluminum Company of America. No. 1,296,595; disclaimer filed Dec. 30, 1930; v. 402; p. 259.
Olofson, Carl F. E., West Orange, N. J. Disclaimer filed by the assignee, A. B. See Elevator Company, Inc. No. 1,699,625; disclaimer filed July 6, 1931; v. 409; p. 12.
Parker, Humphrey F., Philadelphia, Pa. Disclaimer filed by the assignee, Otis Elevator Company. Re. No. 16,297; disclaimer filed May 1, 1931; v. 406; p. 569.
Peacock, James V. L., Dothan, Ala. Disclaimer filed by the patentee, and the Medley Manufacturing Company. No. 1,529,912; disclaimer filed June 15, 1931; v. 407; p. 1124.
Prince, David C., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 1,593,356; disclaimer filed May 20, 1931; v. 406; p. 584.
Raynsford, Arthur, New York, N. Y. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,690,206; disclaimer filed July 11, 1931; v. 409; p. 298.
Rector, Thomas R., Rutherford, N. J. Disclaimer filed by the assignee, Franklin Baker Company, patentee, assenting. No. 1,789,946; disclaimer filed Apr. 16, 1931; v. 406; p. 1.
Roark, Robert H., Waco, Tex. Disclaimer filed by the assignee, General Ice Scoring Machine Company. No. 1,729,186; disclaimer filed Mar. 7, 1931; v. 404; p. 802.
Ross, Frederick N., Pontiac, Mich. Disclaimer filed by the assignee, The Button Attaching Machine Co. No. 1,653,065; disclaimer filed May 13, 1931; v. 407; p. 301.
Rubin, Herman H., New York, N. Y. Disclaimer filed by the patentee. No. 1,703,321; disclaimer filed May 18, 1931; v. 407; p. 302.
Rulon, Watson B., Philadelphia, Pa. Disclaimer filed by the patentee. No. 1,656,364; disclaimer filed Aug. 29, 1931; v. 410; p. 824.
Schaffert, Adolf H., Youngstown, Ohio. Disclaimer filed by the patentee, and the assignee, Truscon Steel Company. No. 1,758,894; disclaimer filed June 9, 1931; v. 407; p. 1124.
Schlage, Walter R., San Francisco, Calif. Disclaimer filed by the assignee, Schlage Lock Company. No. 1,653,514; disclaimer filed Jan. 19, 1931; v. 403; p. 250.
Schrope, William D., Anderson, Ind. Disclaimer filed by the patentee, assignee, Delco-Remy Corporation, consenting. No. 1,687,040; disclaimer filed July 31, 1931; v. 412; p. 1.
Seede, John A., Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 1,626,431; disclaimer filed July 1, 1931; v. 408; p. 594.
Smith, Lawrence C., Detroit, Mich. Disclaimer filed by the assignee, Kelvinator Corporation. No. 1,734,604; disclaimer filed Mar. 13, 1931; v. 404; p. 1050.
Steenstrup, Christian, Schenectady, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 1,755,084; disclaimer filed Apr. 13, 1931; v. 405; p. 848.
Sturtevant, Thomas J., Wellesley, Mass. Disclaimer filed by the assignee, Sturtevant Mill Company. No. 1,703,833; disclaimer filed Mar. 31, 1931; v. 405; p. 275.
Sweatt, Harold W., and Frederick S. Denison, Minneapolis, Minn. Disclaimer filed by the assignee, Minneapolis-Honeywell Regulator Company. No. 1,605,299; disclaimer filed Aug. 28, 1931; v. 410; p. 824.
Teesdale, Clyde H., Grand Rapids, Mich. Disclaimer filed by the assignee, Teesdale Manufacturing Company. No. 1,760,382; disclaimer filed June 20, 1931; v. 408; p. 11.
Tessier, Julien, Rochester, N. Y. Disclaimer filed by the assignee, Eastman Kodak Company. No. 1,658,361; disclaimer filed Aug. 8, 1931; v. 409; p. 850.
Thompson, Roy E., Nyack, N. Y. Disclaimer filed by the patentee, assignee, Hazeltine Corporation, consenting. No. 1,710,035; disclaimer filed Oct. 22, 1931; v. 412; p. 563.
Walker, Warren R., Great Kills, N. Y. Disclaimer filed by the assignee, General Electric Vapor Lamp Company. No. 1,638,131; disclaimer filed May 12, 1931; v. 406; p. 858.
Walter, Maurice, New York, N. Y. Disclaimer filed by the patentee. No. 1,652,262; disclaimer filed Apr. 18, 1931; v. 406; p. 1.

Wermine, Hugo H., Villa Park, Ill. Disclaimer filed by the assignee, Belden Manufacturing Company. No. 1,820,333; disclaimer filed Oct. 9, 1931; v. 411; p. 813.

White, John F., Chicago, Ill. Disclaimer filed by the assignee, Chicago Forging & Manufacturing Co. No. 1,300,796; disclaimer filed Feb. 10, 1931; v. 403; p. 794.

Widmer, John M., Cedar Rapids, Iowa. Disclaimer filed by the assignee, Penick & Ford, Ltd. Incorporated. No. 1,585,452; disclaimer filed May 5, 1931; v. 406; p. 570.

Williams, Harold W., East Pittsburgh, Pa. Disclaimer filed by the assignee, Westinghouse Electric & Manufacturing Company. No. 1,800,126; disclaimer filed Nov. 24, 1931; v. 413; p. 566.

Wolf, Fred W., Chicago, Ill. Disclaimer filed by the assignee, Frigidaire Corporation. No. 1,337,175; disclaimer filed Oct. 14, 1931; v. 412; p. 1.

Wood, Garfield A., St. Paul, Minn. (two cases). Disclaimer filed by the assignees, Wood Corporation of Delaware and Wood Hydraulic Hoist & Body Company. No. 1,165,825; disclaimers filed June 17 and July 8, 1931; v. 408–9; pp. 12—1123.

Wood, William H., South Euclid, Ohio. Disclaimer filed by the patentee. No. 1,788,935; disclaimer filed Oct. 29, 1931; v. 413; p. 12.

Wynne, Thomas N., Indianapolis, Ind. Disclaimer filed by the patentee. No. 1,759,877; disclaimer filed May 20, 1931; v. 407; p. 302.

LIST OF INVENTIONS

Abrading roll. F. E. Bertrand. 1,789,298; Jan. 20.
Abrasive article and manufacture of same. J. S. Smyser. 1.788.600; Jan. 13.
Abrasive article. M. L. Hartmann. 1.830,757; Nov. 10.
Abrasive article. D. E. Webster. 1,832,515; Nov. 17.
Abrasive articles, Reversible and irreversible thermo plastic bonded. R. C. Benner and G. H. Porter. 1,825,771; Oct. 6.
Abrasive compound. R. S. Leather. 1,822,596; Sept. 8.
Abrasive laps, Method of and apparatus for dressing. S. Player and H. S. Indge. 1,805,955; May 19.
Abrasive machine, Rotary. J. D. Davies. 1,800,341; Apr. 14.
Abrasive pad. V. M. Dirkes. 1,822,856; Sept. 8.
Abrasive product and making the same. L. E. Saunders, L. H. Milligan, and M. F. Beecher. 1,829,761; Nov. 3.
Abrasive stone for grinding teeth, Painless. H. Drespel. 1,830,053; Nov. 3.
Abrasive testing machine. H. H. La Vercombe. 1,821,169; Sept. 1.
Abrasive wheel. R. Chappell. 1,826,300; Oct. 6.
Abrasive wheel. J. R. Gammeter. 1,792,083; Feb. 10.
Abrasive wheel. F. O. Hoagland. 1,797,526; Mar. 24.
Abrasive wheel. T. Larsson. 1,805,949; May 19.
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Abrasives for use in continuous glass grinding machines, Apparatus for the grading of. F. B. Waldron and J. H. Griffin. 1,826,585; Oct. 6.
Absorbent and making same, Reactivated. W. S. Baylis. 1,810,155; June 16.
Absorbent for gas filters particularly for breathing purposes. G. K. E. H. Stampe. 1,792,939; Feb. 17.
Absorbent for refrigerants. R. M. Buffington. 1,792,628; Feb. 17.
Absorbent for refrigerating apparatus. H. F. Smith. 1,791.515; Feb. 10.
Absorber. J. A. Campbell. 1,814,125; July 14.
Absorption-control modulating system. E. M. Deloraine. 1,795,714; Mar. 10.
Absorption machine. E. Altenkirch. 1,803,318; May 5.
Abutment mold, Adjustable. J. A. Bohnsack. 1,803,589; May 5.
Accelerating system. H. E. White. 1,790,187; Jan. 27.
Accelerating the reaction in alumino thermic processes especially in their application to welding. W. Sander. 1,822,506; Sept. 8.
Acceleration control. A. Rinne. 1,807,706; June 2.
Accelerator. G. H. Townsend. 1,826.906; Oct. 13.
Accelerator and brake mechanism, Foot controlled. O. Q. Hinds. 1,804,615; May 12.
Accelerator and foot rest. G. H. Townsend and C. H. Behnke. 1,826,968; Oct. 13.
Accelerator and manufacture thereof, Vulcanization. J. A. Nieuwland. 1,804,226; May 5.
Accelerator and preparing same, Rubber vulcanization. W. Scott. 1,832,328; Nov. 17.
Accelerator attachment. F. M. Butler. 1.809.021; June 9.
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Accelerator, Bolt-return. R. M. Cutts. 1,788,279; Jan. 6.
Accelerator control mechanism. J. L. Mulhollen. 1,830,441; Nov. 3.
Accelerator, Foot. J. Linder. 1,795,725; Mar. 10.
Accelerator for caoutchouc. W. Lommel, T. Goost, and H. Friedrich. 1,824,609; Sept. 22.
Accelerator for clocks, Switch. W. H. Greenleaf. 1,822,927; Sept. 15.
Accelerator for dry pipe valve sprinkler systems. E. Tyden. 1,805,858; May 19.
Accelerator for temperature control. J. M. Larson. 1.792.230; Feb. 10.
Accelerator for the vulcanization of rubber. G. S. Whitby. 1,832,163; Nov. 17.
Accelerator of vulcanization. A. M. Clifford. 1,792,819; Feb. 17.
Accelerator of vulcanization. J. Teppema. 1,792.780; Feb. 17.
Accelerator of vulcanization. J. Teppema. 1,805,057; May 12.
Accelerator of vulcanization. J. Teppema. 1,809,457; June 9.
Accelerator of vulcanization. J. Teppema. 1,838,062; Dec. 22.
Accelerator operating means. D. L. Mitchell. 1,823,622; Sept. 15.
Accelerator push rod control. H. J. Cocks. 1,813,279; July 7.
Accelerator, Rubber. R. V. Heuser. 1,798,159; Mar. 31.
Accelerator, Rubber. D. H. Powers. 1,805,103; May 12.
Accelerator, Rubber-vulcanization. W. Scott. 1,792,041; Feb. 10.
Accessories for underfloor duct system. H. S. Walker. 1,809,613; June 9.
Accordion. M. B. Luttbeg. 1,825,407; Sept. 29.
Accordion, Automatic. R. Geartner. 1,836,961; Dec. 15.
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Account-finding apparatus. G. G. Anderson. 1,790,453; Jan. 27.
Accounting machine. J. R. Peirce. 1,808,432; June 2.
Accounting machine and punching mechanism controlled thereby. T. J. Watson. 1,834,561; Dec. 1.
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Accounting machines, Carriage-equipment for. R. L. Muller. 1,787,489; Jan. 6.
Accounting machines, Counting attachment for. E. A. Ford. 1,830,756; Nov. 10.
Accounting machines, Printing mechanism for card controlled. F. M. Carroll. 1,835,466; Dec. 8.
Accounting machines, Translating device for. J. W. Bryce. 1,791,953; Feb. 10.
Accounting means. S. K. Decker, G. A. Johnson, J. W. Davis, and J. B. Junor. 1,803,961; May 5.
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Accumulator plates, Casting large. J. A. Fullilove. 1,806,848; May 26.
Accumulators, Metallic filling for cold. M. Fränkl. 1,808.921; June 9.
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Acetaldehyde, Production of. W. O. Herrmann and H. Deutsch. 1,816,326; July 28.
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Acetals, Cyclic. A. Knorr and A. Weissenborn. 1,837,273; Dec. 22.
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Acetate or product made therewith, Treatment of cellulose. G. H. Ellis. 1,826.608; Oct. 6.
Acetone, Producing. K. Roka. 1,821,324; Sept. 1.
Acetylating mixtures, Making. H. L. Gray. 1,836,711; Dec. 15.
Acetylene and hydrogen in the electric arc, Production of. O. Eisenhut. 1,794,004; Feb. 24.
Acetylene and producing the same, Polymerization product of. W. C. de Liefde. 1,828,560; Oct. 20.
Acetylene from gases, Removal of. E. Linckh and H. Haeuber. 1.836,927; Dec. 15.
Acetylene generator. R. A. Boley. 1,835.136; Dec. 8.
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Acetylene, Purification of. F. Rahn. 1,806,419; May 19.
Acetylene, Storage of. M. Rohrschneider. 1,814,338; July 14.
Acetyl-3-phenyl-salicylic acid. E. C. Britton. 1,812,856; July 7.
Acid amides of 7-amino-1.4-naphthoquinone and preparing them. K. Schirmacher and K. Renn. 1,789,884; Jan. 20.
Acid and compounds thereof, Preparing alginic. F. C. Thornley and M. J. Walsh. 1,814,981; July 14.
Acid and cyanamide, Making phosphoric. T. F. Bailey. Re18,198; Sept. 22.
Acid and 4-dimethylamino-2.3-dimethyl-1-phenyl-5-pyrazolon, Additive compound of diethyl barbituric. P. Pfeiffer. 1.808.994; June 9.
Acid and hydrogen, Producing phosphoric. M. Larsson. 1.797,726; Mar. 24.
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Acid and hydrogen, Production of phosphoric. G. Pauckner and R. Huettner. 1,815.581; July 21.
Acid and its intermediates, N-amyl ethyl barbituric. H. A. Shonle. 1,813,867; July 7.
Acid and lime resisting derivatives of unsaturated fatty acids, Production of. F. Münz. 1,796,801; Mar. 17.
Acid and making it, 2-hydroxy-3-aminopyridine-5-arsonic. A. Binz and C. Räth. 1,802,073; Apr. 21.
Acid and making same, Granular anhydrous citric. R. Pasternack and F. G. Brehmer. 1.792,657; Feb. 17.
Acid, and making same, Halogenation products of 4'-amino ortho benzoyl benzoic. E. T. Howell. 1,832,211; Nov. 17.
Acid and making same, Ortho-hydroxybenzyl-aroyl-aminearsonic. W. Schmidt. 1,835,434; Dec. 8.
Acid and oleum by the contact process, Production of sulphuric. F. Lechler. 1,811,797; June 23.
Acid and/or conversion products thereof, Obtaining orthophosphoric. C. H. Milligan. 1,838,431; Dec. 29.
Acid and other products by fermentation, Production of lactic. S. D. Wells. 1,838.599; Dec. 29.

Acid and phosphatic compounds, Manufacture of phosphoric. H. F. Noyes and R. Weigel. 1,818,644; Aug. 11.
Acid and preparing same, Aromatic sulfonic. K. Dachlauer and E. Thiel. 1,804,527; May 12.
Acid and soluble phosphates, Manufacturing phosphoric. E. Johnson. 1,834,455; Dec. 1.
Acid anhydride, Sulphonating by means of gaseous sulphuric. G. Kalischer, F. Günther, K. Keller, and J. Hetzer. 1,835,404; Dec. 8.
Acid, Anthraquinone-1-carboxylic. H. Hopff. 1,830,838; Nov. 10.
Acid, Apparatus for concentrating nitric. I. Hechenbleikner. 1,818,711; Aug. 11.
Acid calcium phosphate, Production of dried. J. N. Carothers and P. Logue. 1,818,114; Aug. 11.
Acid, Chamber for the manufacture of sulphuric. M. Colombo. 1,788,482; Jan. 13.
Acid chlorides, Manufacture of organic mono-carboxylic. C. L. Masters. 1,819,613; Aug. 18.
Acid chlorides, Preparation of aliphatic. E. C. Britton. 1,805,162; May 12.
Acid chlorides, Preparing carboxylic. F. Henl. 1,792,163; Feb. 10.
Acid compounds and preparing same, Amino-naphthalimidosulphonic. W. Eckert. 1,796,012; Mar. 10.
Acid, Concentrating and bleaching sulphuric. A. Hough. 1,836,849; Dec. 15.
Acid containing bleaching agents and making the same, Solid silicic. J. D. Haseman. 1,838,621; Dec. 29.
Acid, Dehydration of formic. H. T. Clarke and D. F. Othmer. 1,826,302; Oct. 6.
Acid derivatives and making same, Fatty. F. Münz. 1,822,977; Sept. 15.
Acid derivatives, and making same, Naphthylamine carboxylic. L. Laska and O. Haller. 1,823,748; Sept. 15.
Acid derivatives and preparing same, Esterified fatty. F. Münz. 1,822,979; Sept. 15.
Acid derivatives, Making fatty. F. Münz. 1,822,978; Sept. 15.
Acid dinitrile. Production of sebacic. F. Wilcke. 1,828,267; Oct. 20.
Acid ester of diethyl ether of cellulose and preparing the same, Formic. G. Balle, H. Lange and K. Ost. 1,823,847; Sept. 15.
Acid ester, Oleic. W. J. Bannister. 1,796,231; Mar. 10.
Acid esters, Alkali salt of halogen hydroxy-benzoic. W. Schoeller and H. G. Allardt. 1,793,021; Feb. 17.
Acid esters, Producing acrylic. W. Bauer. 1,829,208; Oct. 27.
Acid extraction of metals such as zinc and vanadium. R. H. Stevens, G. C. Norris, and W. N. Watson. 1,795,412; Mar. 10.
Acid from acetic acid, Separating formic. I. W. Petersen and C. Engelbrecht. 1,813,636; July 7.
Acid from acid sludge, Recovering and purifying diluted sulphuric. F. E. Kimball. 1,790,049; Jan. 27.
Acid from dilute acetic acid, Obtaining concentrated acetic. H. Suida. 1,795,977; Mar. 10.
Acid from dilute acetic acid, Recovering concentrated acetic. H. Suida. 1,796,059; Mar. 10.
Acid from isomers, Separation of 2-nitronaphthalene 4,8-disulphonic. J. M. Tinker and V. A. Hansen. 1,836,204; Dec. 15.
Acid from the acid-tar of benzol purification, Recovering sulphuric. P. Fritzsche. 1,835,941; Dec. 8.
Acid fuming and decomposition process for the recovery of zinc, Sulphuric. H. A. Mayer and R. G. La Motte. 1,808,929; June 9.
Acid gas and cyanogen compounds, Producing hydrocyanic. J. P. Hubbell. 1,835,052; Dec. 8.
Acid gas set free from copper glance on its roasting, Reducing the quantity of sulphurous. M. Miyake. 1,825,536; Sept. 29.
Acid, Making solution of acetylsalicylic. L. Whorton. 1,787,924; Jan. 6.
Acid manufacture, Citric. F. J. Cahn. 1,812,136; June 30.
Acid, Manufacture of sulphuric. H. Petersen. 1,810,253; June 16.
Acid, Manufacture of sulphuric. S. Robson and B. Lambert. 1,797,928; Mar. 24.
Acid, Method and apparatus for concentrating sulphuric. W. C. Mast. 1,790,507; Jan. 27.
Acid, Mixed ester of benzophenone-poly carboxylic. H. A. Bruson. 1,829,038; Oct. 27.
Acid mixtures and concentrating acid mixtures, Method and apparatus for denitrating. J. L. Bennett. 1,832,853; Nov. 24.
Acid, Naphthenic. L. W. Cook. 1,802,336; Apr. 28.
Acid, Obtaining concentrated acetic. M. Mugdan and J. Wimmer. 1,792,113; Feb. 10.
Acid of carbazole, Hydroxy carboxylic. A. Schmelzer, F. Muth, and F. Ballauf. 1,819,127; Aug. 18.
Acid phosphate, Manufacturing. B. Ober and E. H. Wight. 1,837,283; Dec. 22.
Acid phosphate, Manufacturing. B. Ober and E. H. Wight. 1,837,329; Dec. 22.
Acid phosphate, Manufacturing. E. H. Wight. 1,837,304; Dec. 22.
Acid phosphate, Manufacturing. E. H. Wight and B. Ober. 1,837,307; Dec. 22.
Acid, Producing glycol esters of abietic. G. M. Norman. 1,839,161; Dec. 29.
Acid, Producing hydrogen and phosphoric. F. G. Liljenroth. 1,807,790; June 2.
Acid, Producing sulphuric. W. H. Leverett and O. L. Harris. 1,832,490; Nov. 17.
Acid, Production of citric. A. M. Peake. 1,788,739; Jan. 13.
Acid-proof coating composition. F. D. Sullivan. 1,808,081; June 2.
Acid, Purifying sulphuric. F. E. Kimball. 1,805,247; May 12.
Acid, Quinolin-benzoic-carboxylic. W. L. Vogel. 1,810,261; June 16.
Acid, Recovery of hydrochloric. G. Minkoff and M. Levy. 1,798,099; Mar. 24.
Acid sols, Manufacture of silicic. K. Neundlinger. 1,835,420; Dec. 8.
Acid solution of cellulose, Phosphoric. G. W. Miles and C. Dreyfus. 1,787,542; Jan. 6.
Acid solutions, Concentrating phosphoric. B. Wadsted. 1,836,694; Dec. 15.
Acid, Stabilization of hydrocyanic. H. Lehrecke. 1,792,103; Feb. 10.
Acid (sulphite cellulose waste), Manufacture of valuable products from lignin sulphonic. J. Baddiley, A. Shepherdson, and A. J. Hailwood. 1,812,675; June 30.
Acid treated preliminarily in a dephlegmator, High concentration of impure sulphuric. W. Büsching. 1,795,995; Mar. 10.
Acid waste and recovering values therefrom, Purifying. J. T. Travers. 1,793,342; Feb. 17.
Acids and making same, Derivative of quinoline carboxylic. K. Miescher. 1,825,623; Sept. 29.
Acids and making same, Ortho-hydroxy-benzylamine arsonic. W. Schmidt. 1,835,433; Dec. 8.
Acids and making same, Trihalogen arylthioglycolic. R. Herz, E. Runne, and E. Albrecht. 1,811,316; June 23.
Acids and making same, 2-halogeno-5-nitro-benzene-1.-4-dicarboxylic. H. Schindhelm. 1,732,247; Nov. 17.
Acids and olefines, Production of useful esters of organic. H. S. Davis and C. G. Harford. 1,790,521; Jan. 27.
Acids and 1-phenyl-2, 3 dimethyl-4-dimethyl-amino-5-pyrazolone, Making dialkyl barbituric. F. Müller. 1,810,846; June 16.
Acids and the esters thereof and preparing them, Beta-anthraquinone-carboxylic. K. Wilke. 1,833,272; Nov. 24.
Acids and their derivatives, Stabilization of fatty. P. I. Murrill. 1,822,934; Sept. 15.
Acids and the product thereof, Producing water-insoluble petroleum soluble carboxylic. A. W. Burwell. 1,828,356; Oct. 20.
Acids by fermentation, Production of organic. F. J. Cahn. 1,809,797; June 9.
Acids, Coloring higher fatty. H. Schladebach and H. Hähle. 1,791,431; Feb. 3.
Acids, Concentrating volatile aliphatic. A. Gorhan. 1,808,600; June 2.
Acids containing halogen and alkyl groups in their molecule Manufacturing phenylthioglycolic. R. Herz and W. Bauer, and N. Steiger. 1,832,209; Nov. 17.
Acids from hydrocarbon oils, Removal of naphthenic. N. E. Lemmon and F. V. Grimm. 1,823,615; Sept. 15.
Acids from low boiling hydrocarbons, Producing salts of alphatic. P. J. Wiezevich and R. E. Tannich. 1,838,032; Dec. 22.
Acids of 4.4'-diaminediarylcyclohexane compounds, Monooxamic. G. Kalischer and F. Fleischhauer. 1.789.903; Jan. 20.
Acids of mineral oils, Manufacture of water soluble sulphonic. J. Braddiley and E. Chapman. 1,836,429; Dec. 15.
Acids of the fatty-aromatic series and making same, New carboxylic. G. Kalischer and H. Scheyer. 1,836,123; Dec. 15.
Acids of the nitrohalogen-diaryl-ketones and nitrohalogen diaryl-sulfones, Sulfonic. W. Hentrich, R. Knoche, E. Tietze, and J. Hilger. 1,835,394; Dec. 8.
Acids, Production of α-hydroxycarboxylic. W. Michael and W. Haag. 1,802,154; Apr. 21.
Acids, Production of acid and lime resisting derivatives of unsaturated fatty. G. Kalischer and F. Biehler. 1,832,218; Nov. 17.
Acids, Production of anthraquinone sulphonic. J. Thomas. 1,790,448; Jan. 27.
Acids, Recovery of tar. S. P. Miller. 1,825,809; Oct. 6.
Acids, Reducing nitroarylarsonic. C. Oechslin. 1,798,030; Mar. 24.
Acids, Separating and recovering acetic and butyric. W. J. Edmonds and I. J. Krchma. 1,835,700; Dec. 8.
Acids, Separation of organic. L. C. Daniels. 1,822,016; Sept. 8.
Acids, Treating tar. C. Banta and F. W. Hightower. 1,824,864; Sept. 29.
Acoustic amplifying device, Electrostatic. C. O. Tayler. 1,811,482; June 23.
Acoustic apparatus, Diaphragm equipped. M. Bernard. 1,824,590; Sept. 22.
Acoustic chamber. W. M. Campbell. 1,832,763; Nov. 17.
Acoustic chamber. J. C. Karnes. 1,812,878–9; July 7.
Acoustic condenser diaphragm. E. F. Potter. 1,826,952; Oct. 13.
Acoustic device. A. W. Agee. 1,820,107; Aug. 25.
Acoustic device. R. C. Bender. 1,804,306; May 5.
Acoustic device. A. V. Bodine. 1,804,456; May 12.
Acoustic device. P. B. Flanders. 1,804,759; May 12.
Acoustic device. A. J. Fleck. 1,814,624; July 14.

Acoustic device. H. C. Harrison. 1,804,688; May 12.
Acoustic device. N. H. Holland. 1,804,689; May 12.
Acoustic device. R. Messmer. 1,795,178; Mar. 3.
Acoustic device. V. A. Schlenker. 1,827,114; Oct. 13.
Acoustic device. E. H. Smythe. 1,813,208; July 7.
Acoustic device. E. H. Smythe. 1,821,586; Sept. 1.
Acoustic device. E. C. Wente. 1,812,389; June 30.
Acoustic device, Composite piezo-electric. A. McL. Nicolson. 1,788,405; Jan. 13.
Acoustic device, Electromagnetic. A. A. Thomas. 1,791,542; Feb. 10.
Acoustic device for sound pick up. I. Wolff and H. F. Olson. 1,814,357; July 14.
Acoustic device provided with vibratile diaphragms. K. S. S. Spencer. 1,821,529; Sept. 1.
Acoustic device with sonorous membranes. M. Bernard. 1,800,591; Apr. 14.
Acoustic diaphragm. V. T. Houghton. 1,829,355; Oct. 27.
Acoustic diaphragm. H. Tennesse and F. Basse. 1,825,833; Oct. 6.
Acoustic diaphragm and similar appliance. W. B. Hollingshead. 1,837,822; Dec. 22.
Acoustic diaphragm made of warped elementary surfaces with parallel edges. L. Lumiere. 1,796,335; Mar. 17.
Acoustic element. S. B. Sklar. 1,816,618; July 28.
Acoustic impedance, Apparatus for the measurement of. E. H. Smythe and P. B. Flanders. 1,816,917; Aug. 4.
Acoustic instrument. A. Galbarini. 1,828,654; Oct. 20.
Acoustic material. M. Mazer. 1,823,405; Sept. 15.
Acoustic phase-shifting device. W. P. Mason. 1,788,534; Jan. 13.
Acoustic receiver. R. Denoux. 1,806,598; May 26.
Acoustic signal mechanism. M. H. Bennett. 1,797,120; Mar. 17.
Acoustic slab. M. Mazer. 1,804,884; May 12.
Acoustic sounding apparatus. A. Behm. 1,830,254; Nov. 3.
Acoustic testing apparatus for detecting irregularities of machines of any type. W. Schaafhausen. 1,834,875; Dec. 1.
Acoustical board. F. M. Dietz. 1,811,385; June 23.
Acoustical correction. F. J. Sersen and K. B. Conger, jr. 1,832,741; Nov. 17.
Acoustical device. J. Hutt. 1,804,341; May 5.
Acoustical device. A. P. Montgomery. 1,824,730; Sept. 22.
Acoustical impedances, Method and apparatus for measuring. P. B. Flanders. 1,795,647; Mar. 10.
Acoustical material. H. C. Smith. 1,824,240; Sept. 22.
Acoustical members and the article produced thereby, Treating. E. O. Schweitzer. 1,836,089; Dec. 15.
Acoustometer. C. A. Andree. 1,812,030; June 30.
Active masses, Manufacture of. F. Stoewener. 1,797,804; Mar. 24.
Actuating apparatus for theatre curtains and the like. E. F. Allen. 1,810,890; June 23.
Actuator. J. Hines. 1,810,350; June 16.
Adapter. H. Broadwell. 1,809,887; June 16.
Adapter. C. E. Huffman. 1,807,844; June 2.
Adapter. P. S. Westcott. 1,838,509; Dec. 29.
Adapter for casing heads. I. C. Bell. 1,823,234; Sept. 15.
Adapter for drain outlets of crank cases. H. J. Engbrecht. 1,818,123; Aug. 11.
Adapter for lubricating apparatus. W. H. Pierce. 1,818,272; Aug. 11.
Adapter, Phonograph reproducer. A. W. Hull. 1,837,967; Dec. 22.
Adding and listing machine. G. J. Barrett. 1,812,130; June 30.
Adding machine. G. J. Barrett. 1,811,840; June 30.
Adding machine. W. E. Dunning and R. Middleton. 1,825,783; Oct. 6.
Adding machine. J. H. White. 1,787,889; Jan. 6.
Adding machine and sale and cash registers, Numbering and dating attachment for an. C. H. Towers. 1,799,333; Apr. 7.
Adding machines and cash registers, Feed device for the paper strip of. A. Knotz. 1,814,708; July 14.
Adding machines, Manual paper feeding mechanism for. G. J. Barrett. 1,804,736; May 12.
Adding machines, Paper rewind for. G. J. Barrett. 1,829,727; Nov. 3.
Adding machines, Ribbon feeding and reversing mechanism for. G. J. Barrett. 1,788,376; Jan. 13.
Addressing and similar printing machine. B. Fassmann. 1,789,646; Jan. 20.
Addressing machine. H. P. Elliott. 1,807,309; May 26.
Addressing machine. A. E. Strippel. 1,801,393; Apr. 21.
Addressing machine, Hand operated. P. A. Colinick, F. W. Broderick, and K. Emde. 1,822,344; Sept. 8.
Addressing machines, Listing attachment for. P. A. Gollnick, F. W. Broderick, and K. Emde. 1,836,022; Dec. 15.
Adhesion preventing substance and using the same. T. L. Law. 1,815,305; July 21.
Adhesive. L. Bradshaw. 1,787,611; Jan. 6.
Adhesive. F. W. Huempfner. 1,799,797; Apr. 7.
Adhesive. F. F. Lindstaedt. 1,833,527; Nov. 24.
Adhesive. A. Menger. 1,798,097; Mar. 24.
Adhesive. A. H. Vining. 1,808,090; June 2.
Adhesive and the product thereof, Making an. H. P. Banks and G. Davidson. 1,835,689; Dec. 8.
Adhesive and to the product thereof, Making a water resistant. H. P. Banks. 1,813,377; July 7.
Adhesive and to the product thereof, Making a water resistant double decomposition. G. Davidson and I. F. Laucks. 1,813,387; July 7.
Adhesive applying device. M. A. Fritsch and L. V. Rosenberg. 1,825,389; Sept. 29.
Adhesive applying mechanism for casing-in machines. C. Schramm and E. W. Clark. 1,802,354; Apr. 28.
Adhesive base. L. Bradshaw. 1,820,432; Aug. 25.
Adhesive composition. E. Hopkinson. 1,808,225; June 2.
Adhesive composition. R. W. Lane. 1,807,244; May 26.
Adhesive composition and making the same. L. K. Fackler and H. F. Gardner. 1,813,236; July 7.
Adhesive strip. E. Schnitzler. 1,837,680; Dec. 22.
Adhesive supplying mechanism. C. L. V. Valdés. 1,822,466; Sept. 8.
Adhesive tape, Preparing. R. G. Drew. 1,814,132; July 14.
Adhesive tape or bandage box. A. J. Anderson. 1,829,577; Oct. 27.
Adhesive to strips, Apparatus for applying. E. W. Reutener. 1,795,409; Mar. 10.
Adhesivelike aqueous dispersion of matter. A. Biddle. 1,801,621; Apr. 21.
Adjustable brace. H. J. Byers. 1,802,373; Apr. 28.
Adjustable brace. T. E. Gray. 1,787,858; Jan. 6.
Adjustable bracket. C. A. Bruning. 1,809,018; June 9.
Adjustable chair. R. C. Huntley. 1,796,949; Mar. 17.
Adjustable clamp. H. Levison. 1,814,254; July 14.
Adjustable connecting rod. W. Hills and F. W. Hills. 1,805,825; May 19.
Adjustable die. W. C. Johnson. 1,825,067; Sept. 29.
Adjustable gauge. K. F. Gallimore. 1,810,166; June 16.
Adjustable gauge. C. E. Post. 1,803,208; Apr. 28.
Adjustable seat. L. Berger. 1,827,928; Oct. 20.
Adjustable seat. J. L. Brownell. 1,807,960; June 2.
Adjustable seat. A. N. Thomas. 1,838,199; Dec. 29.
Adjustable shaft hanger. J. M. Goodnow. 1,831,857; Nov. 17.
Adjustable wrench. H. Dorn. 1,804,861; May 12.
Adjustable wrench. J. Pehrsson. 1,811,148; June 23.
Adjustable wrench. F. Walz. 1,792,338; Feb. 10.
Adjusting means. A. Peteler. 1,792,508; Feb. 17.
Adjusting mechanism, Reversible. F. A. Barnes. 1,796,232; Mar. 10.
Adjusting or tuning device for variable condensers. J. E. Denton. 1,825,511; Sept. 29.
Adjustment device, particularly for the cross-slides of grinding machines. K. Jung. 1,813,185; July 7.
Adsorbent agent and making the same. O. Liebknecht. 1,831,673; Nov. 10.
Adsorbent comprising carbon, iron, and iron oxide, Making an. C. J. G. Aarts. 1,789,507; Jan. 20.
Adsorbent material, Making chemically treated activated. W. S. Baylis. 1,818,453; Aug. 11.
Adsorbent material, Preparation of. R. E. Manley and M. L. Langworthy. 1,796,799; Mar. 17.
Adsorbent material, Revivifying. R. C. Palmer. 1,794,539; Mar. 3.
Adsorbent materials, Revivifying spent. R. C. Palmer and J. L. Burda. 1,794,538; Mar. 3.
Adsorbent, Regenerating granular. F. J. Bechthold. 1,836,301; Dec. 15.
Adsorbents, Manufacture of active. F. Stoewener. 1,798,766; Mar. 31.
Adsorbents, Preparation of. R. Cross. 1,817,968; Aug. 11.
Advertisement, Luminous. F. W. Gillard. 1,813,491; July 7.
Advertisements, Device for displaying interchangeable. G. A. Klein. 1,830,031; Nov. 3.
Advertising. U. Toldi. 1,823,772; Sept. 15.
Advertising amusement device. C. Doering. 1,810,467; June 16.
Advertising and momento device, Combination. G. A. Klein. 1,830,029; Nov. 3.
Advertising apparatus. W. Kuczorra. 1,817,828; Aug. 4.
Advertising apparatus. G. Liss. 1,831,962; Nov. 17.
Advertising apparatus. B. T. Parris. 1,811,818; June 23.
Advertising apparatus. W. S. Wilson. 1,823,075; Sept. 15.
Advertising apparatus, Aerial. E. G. Finlay. 1,800,681; Apr. 14.
Advertising apparatus, Animated. I. H. Segal. 1,828,475; Oct. 20.
Advertising apparatus, Automobile. W. W. Byrne. 1,807,278; May 26.
Advertising attachment for street-car hand straps. C. Puzo. 1,799,063; Mar. 31.
Advertising attachment for street-car hand straps or handles. C. Puzo. 1,799,062; Mar. 31.
Advertising device. C. H. Bauer and C. Roberts. 1,793,302; Feb. 17.
Advertising device. A. G. Borden. 1,822,608; Sept. 8.
Advertising device. R. Cartier. 1,818,380; Aug. 11.
Advertising device. V. L. Chamberlin. Des. 85,161; Sept. 22.
Advertising device. H. M. Davis. 1,818,538; Aug. 11.
Advertising device. H. E. Deckebach. 1,806,150; May 19.
Advertising device. G. E. Ditzler. 1,798,145; Mar. 31.
Advertising device. E. Dobrowsky. 1,813,442; July 7.
Advertising device. J. Gallagher. 1,818,988; Aug. 18.
Advertising device. H. F. Godel. 1,816,899; Aug. 4.
Advertising device. M. Harrison. 1,790,345; Jan. 27.

Advertising device. L. Homan. 1,794,018; Feb. 24.
Advertising device. J. C. Houck. 1,810,606; June 16.
Advertising device. R. H. Kerr and E. F. Urich. 1,811,320; June 23.
Advertising device. J. Maas. 1,788,921; Jan. 13.
Advertising device. C. O. Marshall. 1,822,537; Sept. 8.
Advertising device. F. Martin. 1,810,525; June 16.
Advertising device. J. R. Moise. 1,821,021; Sept. 1.
Advertising device. W. Nowack and H. Buwert. 1,812,547; June 30.
Advertising device. N. B. M. O'Brien. 1,818,739; Aug. 11.
Advertising device. I. F. Petigor. 1,804,948; May 12.
Advertising device. O. I. Quillin and C. R. Wright. 1,812,715; June 30.
Advertising device. P. H. Regan. 1,827,167; Oct. 13.
Advertising device. J. H. Slachter. 1,798,358; Mar. 31.
Advertising device. D. Slotsky. 1,787,705; Jan. 6.
Advertising device. J. S. Stone and G. Wilson. 1,822,511; Sept. 8.
Advertising device. O. L. Van Ness. 1,802,622; Apr. 28.
Advertising device. E. von der Lippe-Lipski. 1,806,722; May 26.
Advertising device. E. S. Wheeler and A. L. Burdick. 1,796,903; Mar. 17.
Advertising device. E. S. Wheeler and A. L. Brudick. 1,800,764; Apr. 14.
Advertising device, Electric. J. Galetzky. 1,827,980; Oct. 20.
Advertising device, Electrically illuminated. A. B. Conklin. 1,810,161; June 16.
Advertising device for letterheads, folders, and the like. G. W. Hirshson. 1,837,323; Dec. 22.
Advertising device, Illuminated. J. Engel. 1,832,369; Nov. 17.
Advertising device, Luminous. A. Bosché. 1,837,894; Dec. 22.
Advertising device, Mechanical. J. P. Feeley. 1,816,521; July 28.
Advertising device, Oil. P. Lipski. 1,837,225; Dec. 22.
Advertising display. L. L. Berkowitz. 1,799,036; Mar. 31.
Advertising display. H. E. Hoover. 1,796,153; Mar. 10.
Advertising display apparatus. G. O. Matter. 1,828,744; Oct. 27.
Advertising display device. J. O'Neill. 1,820,708; Aug. 25.
Advertising display device. E. M. Roberts, jr., and F. R. Penman. 1,820,250; Aug. 25.
Advertising display device. R. Wood. 1,839,006; Dec. 29.
Advertising display device for elevators. J. Grassman and L. S. Gatter. 1,834,700; Dec. 1.
Advertising display mechanism. P. A. Egeland. 1,809,162; June 9.
Advertising educational or amusement device or the like. M. Anderson. 1,816,353; July 28.
Advertising exhibitor. A. J. Kauffman. 1,811,720; June 23.
Advertising exhibitor. W. W. MacLaughlin, jr. Des. 84,045; Apr. 28.
Advertising machine. T. C. Graham. 1,806,160; May 19.
Advertising medium to bakers' products, Applying an. H. J. Taylor. 1,818,923; Aug. 11.
Advertising, Method of and apparatus for. A. C. Watson. 1,819,218; Aug. 18.
Advertising novelty. H. H. Lowenstein. 1,794,466; Mar. 3.
Advertising novelty or favor. T. E. Weiderseim and M. W. Carrick. 1,790,360; Jan. 27.
Advertising or display apparatus. J. Shannon. 1,829,459; Oct. 27.
Advertising pedestal for weighing machine. J. B. Holtz. Des. 84,744; July 28.
Advertising purposes, Electro-mechanically-operated apparatus for. A. V. Cassels. 1,799,731; Apr. 7.
Advertising screen. E. E. Steadman and E. D. Kuhn. 1,811,766; June 23.
Advertising stand. R. A. Wilcox. 1,820,685; Aug. 25.
Advertising structure, Outdoor. G. D. Overholtz. 1,788,843; Jan. 13.
Advertising structure, Outdoor. G. D. Overholtz. 1,792,701; Feb. 17.
Adzing machine. R. W. Buettner, H. E. Erickson and H. H. Talboys. 1,798,783; Mar. 31.
Adzing machine. H. H. Talboys. 1,820,636; Aug. 25.
Aeo light. T. W. Case. 1,816,825; Aug. 4.
Aerating and bottling machine. A. J. Billows. 1,788,346; Jan. 6.
Aeration and gas purification process. F. W. Sperr, jr. 1,824,104; Sept. 22.
Aerator. W. H. Curry and H. F. Dietz. 1,792,285–6; Feb. 10.
Aerator, Greenhouse. G. W. O'Connor. 1,824,563; Sept. 22.
Aerator for baths. O. C. Osterhage. 1,830,853; Nov. 10.
Aerial advertising and signaling. L. Bleriot. 1,794,828; Mar. 3.
Aerial delivery device. R. Fisher. 1,828,928; Oct. 27.
Aerial device. A. Arias. 1,820,643; Aug. 25.
Aerial eliminator. J. W. Speaker and A. Selsemeyer. 1,828,910; Oct. 27.
Aerial flare. R. J. Anderson. 1,817,503; Aug. 4.
Aerial grade clamp. W. S. Richardson. 1,798,223; Mar. 31.
Aerial lines, Handling apparatus for. H. W. Bodendieck. 1,793,732; Feb. 24.
Aerial, Loop. A. G. Harms. 1,812,695; June 30.
Aerial machine. J. Schulman. 1,822,063; Sept. 8.
Aerial-mast bracket. E. P. Sadler. 1,790,391; Jan. 27.
Aerial navigation. F. C. Bowman. 1,813,694; July 7.
Aerial navigation and protection. O. T. McIlvaine. 1,787,992; Jan. 6.
Aerial navigation machine. C. R. Miner. 1,814,948; July 14.
Aerial receiving system for wireless signaling. T. G. Threlkeld and A. W. W. Butterfield. 1,824,579; Sept. 22.
Aerial, Short wave. F. Schröter. 1,830,176; Nov. 3.
Aerial surveys, Apparatus for use in connection with photographic. A. C. W. Aldis. 1,833,548; Nov. 24.
Aerial system. E. Bruce. 1,813,143; July 7.
Aerial system, Directional. C. S. Franklin. 1,834,394; Dec. 1.
Aerial system for wireless telegraphy or telephony, Transmitting or receiving. C. S. Franklin. 1,821,380; Sept. 1.
Aerial, Wireless telegraph and telephone. C. S. Franklin. 1,821,936; Sept. 8.
Aero structure. C. E. Woodruff. 1,791,182; Feb. 3.
Aerofoil. J. Q. Hammett. 1,789,000; Jan. 13.
Aerofoil. G. P. Herrick. 1,792,015; Feb. 10.
Aerofoil, Adjustable camber. H. D. Rocheville. 1,791,146; Feb. 3.
Aerofoil construction. L. G. Young. 1,818,519–21; Aug. 11.
Aerofoil for aeroplanes. J. Sharp. 1,831,780; Nov. 10.
Aerofoil for aeroships. S. E. Hitt. 1,817,920; Aug. 11.
Aerofoil for aeroships, control of inclination. S. E. Hitt. 1,795,721; Mar. 10.
Aerofoil operating mechanism. H. R. Moles. 1,818,000; Aug. 11.
Aeronautic device. A. R. Novo. 1,822,782; Sept. 8.
Aeroplane. H. Alfaro. 1,810,693; June 16.
Aeroplane. H. Alfaro. 1,827,276; Oct. 13.
Aeroplane. H. Alfaro. 1,837,186; Dec. 22.
Aeroplane. L. Béchereau. 1,822,196; Sept. 8.
Aeroplane. R. B. Beisel. 1,825,301; Sept. 29.
Aeroplane. W. E. Blain. 1,814,115; July 14.
Aeroplane. W. P. Bott. 1,806,870; May 26.
Aeroplane. A. B. Broluska. 1,826,048; Oct. 6.
Aeroplane. H. L. Campbell. 1,821,494; Sept. 1.
Aeroplane. G. Caproni. 1,799,088; Mar. 31.
Aeroplane. R. Chillingworth. 1,798,141; Mar. 31.
Aeroplane. R. Chillingworth. 1,825,305; Sept. 29.
Aeroplane. W. W. Christmas. 1,806,586; May 26.
Aeroplane. H. Cordy. 1,818,116; Aug. 11.
Aeroplane. E. Cornella. 1,793,387; Feb. 17.
Aeroplane. G. Crompton, jr. 1,799,733; Apr. 7.
Aeroplane. E. L. Crozier. Re18,143; Aug. 4.
Aeroplane. J. F. De Villard. 1,818,309; Aug. 11.
Aeroplane. J. M. Fells. 1,831,166; Nov. 10.
Aeroplane. H. H. Fick. 1,793,788; Feb. 24.
Aeroplane. J. I. Friedman. 1,838,478; Dec. 29.
Aeroplane. G. W. Gardner. 1,798,665; Mar. 31.
Aeroplane. D. B. Gish. 1,810,762; June 16.
Aeroplane. W. H. Gray. 1,820,613; Aug. 25.
Aeroplane. R. W. Griswold, 2d. 1,801,344; Apr. 21.
Aeroplane. L. H. Heafner, jr. 1,791,724; Feb. 10.
Aeroplane. J. Herbeck. 1,836,663; Dec. 15.
Aeroplane. G. P. Herrick. 1,793,014; Feb. 10.
Aeroplane. E. A. Huseby. 1,823,655; Sept. 15.
Aeroplane. N. C. Jackson. 1,838,404; Dec. 29.
Aeroplane. E. R. Kelley. 1,805,770; May 19.
Aeroplane. F. F. Kookogey. 1,818,067; Aug. 11.
Aeroplane. J. P. Krastel. 1,830,878; Nov. 10.
Aeroplane. R. E. Krug. 1,817,007–8; Aug. 4.
Aeroplane. E. Lalli. 1,790,988; Feb. 3.
Aeroplane. E. H. Lanier. 1,803,805; May 5.
Aeroplane. E. H. Lanier. 1,813,627; July 7.
Aeroplane. L. R. Loveland. 1,801,356; Apr. 21.
Aeroplane. M. Lowman. 1,834,465; Dec. 1.
Aeroplane. P. Masi and C. A. Schmaling. 1,831,253; Nov. 10.
Aeroplane. A. Mateo. 1,810,182; June 16.
Aeroplane. D. Morris. 1,802,825; Apr. 28.
Aeroplane. W. Niemeyer. 1,805,994; May 19.
Aeroplane. G. Pappadakes. 1,814,846; July 14.
Aeroplane. F. F. Parker. 1,828,981; Oct. 27.
Aeroplane. E. C. Patzkowski. Des. 85,301; Oct. 6.
Aeroplane. P. A. Peterson. 1,819,262; Aug. 18.
Aeroplane. J. Preatka. 1,806,822; May 26.
Aeroplane. W. R. Reed. 1,808,005; June 2.
Aeroplane. D. C. Roberts. 1,821,323; Sept. 1.
Aeroplane. A. A. Root. 1,813,201; July 7.
Aeroplane. W. P. Rudkin. 1,794,923; Mar. 3.
Aeroplane. M. F. Schultze. 1,819,794; Aug. 18.
Aeroplane. A. Smith and J. Schmidt. 1,808,688; June 2.
Aeroplane. W. Snee and M. Bell. 1,818,588; Aug. 11.
Aeroplane. T. Sonsteness. 1,831,203; Nov. 10.
Aeroplane. R. V. Spencer. 1,797,160; Mar. 17.
Aeroplane. C. Stickley and R. L. Robinson. 1,815,597; July 21.
Aeroplane. V. W. Strode and E. W. Hammer. Des. 83,074; Jan. 13.
Aeroplane. V. W. Strode and E. W. Hammer. Des. 83,284–7; Feb. 10.
Aeroplane. E. Studer. 1,827,548; Oct. 13.
Aeroplane. H. R. Villarreal. 1,800,164; Apr. 7.
Aeroplane. G. Vultee. Des. 83,184; Jan 27.
Aeroplane. P. J. Wagner. 1,807,812; June 2.
Aeroplane. T. D. Ward. 1,833,600; Nov. 24.

Aeroplane. M. Watter. 1,794,814; Mar. 3.
Aeroplane. R. E. Wike. 1,836,351; Dec. 15.
Aeroplane air station. J. Olaszy. 1,807,429; May 26.
Aeroplane, Air vehicle. V. de Vezino. 1,833,280; Nov. 24.
Aeroplane, Amphibian. M. Watter. 1,794,813; Mar. 3.
Aeroplane and controlling means therefor. A. E. Henderson. 1,798,325; Mar. 31.
Aeroplane-ascension apparatus. F. J. Ennis. 1,787,438; Jan. 6.
Aeroplane body, Nonsinkable. L. Nycz. 1,809,061; June 9.
Aeroplane brake. C. N. Hoyt. 1,789,653; Jan. 20.
Aeroplane carrier, Flying. E. Florig and A. Brache. 1,801,039; Apr. 14.
Aeroplane construction. H. Alfaro. 1,827,181; Oct. 13.
Aeroplane construction. A. Kartvelichvili, and E. Chagniard. 1,833,649; Nov. 24.
Aeroplane construction. J. C. McFadyen. 1,817,089; Aug. 4.
Aeroplane control. H. B. Chalmers. 1,798,724; Mar. 31.
Aeroplane control. C. McCarroll. 1,816,688; July 28.
Aeroplane control. J. Terry. 1,802,849; Apr. 28.
Aeroplane control. H. Umesaki. 1,834,010; Dec. 1.
Aeroplane control device. M. Davis. 1,827,933; Oct. 20.
Aeroplane control switch. C. Rosatelli. 1,821,581; Sept. 1.
Aeroplane engine. H. Blidsoe. 1,799,498; Apr. 7.
Aeroplane engine. L. R. Spencer. 1,816,406; July 28.
Aeroplane, Flying-wing. W. W. Christmas. 1,797,326; Mar. 24.
Aeroplane, Folding-wing. J. G. Lee. 1,793,494; Feb. 24.
Aeroplane fuselage fitted with arrangements for carrying and dropping large bombs. G. Caproni. 1,835,846; Dec. 8.
Aeroplane hatch coaming. R. J. Davis and G. E. Watts. 1,820,053; Aug. 25.
Aeroplane helicopter, Combined. A. Curioni. 1,793,909; Feb. 24.
Aeroplane landing. G. W. Charette. 1,823,086; Sept. 15.
Aeroplane landing wing. W. P. Richardson. 1,796,162; Mar. 10.
Aeroplane launching device. M. Niemi. 1,832,499; Nov. 17.
Aeroplane machine. B. Zaharoff. 1,815,341; July 21.
Aeroplane, Mail carrying. R. Fisher. 1,815,466; July 21.
Aeroplane, Model. A. L. Schultz. 1,808,686; June 2.
Aeroplane propeller. C. Byer. 1,811,000; June 23.
Aeroplane propeller. I. Glanschnig. 1,825,184; Sept. 29.
Aeroplane propeller. F. A. Guenther. 1,823,197; Sept. 15.
Aeroplane propeller. R. L. Rymal. 1,819,340; Aug. 18.
Aeroplane propeller. W. F. Triplett. 1,831,692; Nov. 10.
Aeroplane, Rocket motor. L. Berkowitz. 1,838,984; Dec. 29.
Aeroplanes, Rotary wing for. F. Wander, jr. 1,839,005; Dec. 29.
Aeroplane, Safety. L. Madarasi. 1,830,436; Nov. 3.
Aeroplane safety appliance. C. H. Rolker. 1,793,870; Feb. 24.
Aeroplane safety landing device. A. Bochnak. 1,810,550; June 16.
Aeroplane station. W. B. Harison. 1,824,346; Sept. 22.
Aeroplane supporting surface. J. Ksoll. 1,793,702; Feb. 24.
Aeroplane wing. L. Breguet. 1,791,233; Feb. 3.
Aeroplane wing. W. M. Cross. 1,804,824; May 12. 1,806,716; May 26.
Aeroplane wing. J. P. Fedor. 1,808,842; June 9.
Aeroplane wing. G. L. Huiskamp. 1,808,464; June 2.
Aeroplane wing. O. L. Kientz. 1,790,309; Jan. 27.
Aeroplane wing. O. E. Simmonds. 1,802,283; Apr. 21.
Aeroplane wing. W. Wait, jr. 1,817,956; Aug. 11.
Aeroplane wing construction. A. E. C. Thomas. 1,822,179; Sept. 8.
Aeroplane-wing course light. W. E. C. Stone. Des. 83,765; Mar. 24.
Aeroplane wing, Metallic. O. Hermann. 1,796,654; Mar. 17.
Aeroplane with detachable body. G. Brogelli. 1,797,713; Mar. 24.
Aeroplanes. O. Thorsen. 1,793,651; Feb. 24.
Aeroplanes, Apparatus for the diagonal control of moving objects, particularly. J. M. Boykow. 1,801,947; Apr. 21.
Aeroplanes, Attachment for. J. Botka, jr. 1,791,707; Feb. 10.
Aeroplanes, Auxiliary lifting wing for. H. M. Salisbury and A. E. Miller. 1,792,764; Feb. 17.
Aeroplanes, Construction of. V. Ehmig. 1,807,203; May 26.
Aeroplanes, Control means for. J. K. Hartman. 1,800,794; Apr. 14.
Aeroplanes, Controlling. F. H. Page. 1,800,746; Apr. 14.
Aeroplanes, Controlling. F. H. Page. 1,837,132; Dec. 15.
Aeroplanes, Controlling means for. J. F. Cook, jr. 1,813,485; June 10.
Aeroplanes, Detachable joy stick for. C. F. Seaton.
Aeroplanes, Device for assisting in the launching and landing of. R. Hamburger. 1,815,200; July 21.
Aeroplanes, Driving mechanism for. M. Pillard. 1,798,628; Mar. 31.
Aeroplanes, Landing or dispatching device for. L. Holland. 1,802,254; Apr. 21.
Aeroplanes, Landing skid for. A. N. Larsen. 1,805,914; May 19.
Aeroplanes, Launching apparatus for. D. C. Carver. 1,792,000; Feb. 10.
Aeroplanes, Load-discharging means for. P. A. Beck. 1,798,137; Mar. 31.
Aeroplanes, Metal framed structure for. H. C. Mummert. 1,818,423; Aug. 11.
Aeroplanes, Retrieving device for. J. H. Wallace. 1,806,549; May 19.
Aeroplanes, Tail-wheel mount for. L. Reichert and M. Watter. 1,794,796; Mar. 3.
Aeroplanes, Vertically raising and lowering. W. Wardell. 1,816,707; July 28.
Aeroplanes, Wing construction for. A. C. Haller. 1,790,144; Jan. 27.
Aeroplanes, Wing structure for. H. Sundstedt. 1,822,940; Sept. 15.
Aeroship. C. Ortega. 1,833,033; Nov. 24.
Agglomerated products, Manufacturing. M. H. Hue. 1,811,935; June 30.
Agglomerates, Preparation of coked. E. H. Bunce. 1,810,070; June 16.
Agglomerates, Preparing coked. E. H. Bunce and T. C. Routson. 1,835,460; Dec. 8.
Agitating and conveying apparatus. M. McGuinness. 1,798,026; Mar. 24.
Agitating cutter for dredges. W. R. Ellis. 1,821,177; Sept. 1.
Agitating device. W. Baensch. 1,806,381; May 19.
Agitating device for the inking fountains of printing presses. D. B. Ortleb. 1,835,325; Dec. 8.
Agitating mechanism. C. C. Peck. 1,805,842; May 19.
Agitator. J. E. Bond. 1,791,705–6; Feb. 10.
Agitator. S. H. Gibson. 1,827,004; Oct. 13.
Agitator. W. H. Jackson. 1,808,353; June 2.
Agitator. W. K. Voss. 1,837,636; Dec. 22.
Agitator, Culinary. E. Halse. 1,825,450; Sept. 29.
Agitator for clothes washing machines and the like. L. A. Hersh. 1,810,047; June 16.
Agitator for dispensing mechanisms. W. L. Beall. 1,828,519; Oct. 20.
Agitator for flotation separators, Compound. W. E. Endrezze. 1,795,113; Mar. 3.
Agitator for stokers. J. H. Walter. 1,812,911; July 7.
Agitator, Water cooled. A. L. Culbertson. 1,806,614; May 26.
Agitators and the like, Reversing mechanism for curd. E. C. Damrow. 1,831,785; Nov. 10.
Agitators to concrete pouring forms and molds, Coupling. R. D. Hudson. 1,825,117; Sept. 29.
Agraffe. G. E. Holmberg. 1,838,833; Dec. 29.
Agricultural apparatus. L. A. Laas. 1,828,670; Oct. 20.
Agricultural comb. J. D. Freitas. 1,796,095; Mar. 10.
Agricultural implement. J. W. Adams. 1,832,347; Nov. 17.
Agricultural implement. H. E. Altgelt. 1,814,815; July 14.
Agricultural implement. H. E. Altgelt. 1,824,976; Sept. 29.
Agricultural implement. G. H. Bickerton. 1,808,759; June 9.
Agricultural implement. S. W. Coker. 1,813,438; July 7.
Agricultural implement. T. H. Debnam and E. C. Ferguson. 1,833,989; Dec. 1.
Agricultural implement. K. N. Friesen. 1,803,753; May 5.
Agricultural implement. M. G. Krueger. 1,787,909; Jan. 6.
Agricultural implement. G. F. Lampen. 1,799,592; Apr. 7.
Agricultural implement. S. I. Neher. 1,800,871; Apr. 14.
Agricultural implement. W. H. Pawson. 1,829,294; Oct. 27.
Agricultural implement. C. A. Peters. 1,833,036; Nov. 24.
Agricultural implement. H. J. Petty. 1,799,061; Mar. 31.
Agricultural implement. J. C. Powell. 1,803,917; May 5.
Agricultural implement. A. Raab. 1,810,787; June 16.
Agricultural implement. M. Romera. 1,802,536; Apr. 28.
Agricultural implement. J. Schermuly. 1,805,850; May 19.
Agricultural implement. E. L. Schultz and F. Hallisch. 1,831,511; Nov. 10.
Agricultural implement. F. J. Siebenmann and C. E. Johnson. 1,834,185; Dec. 1.
Agricultural implement. J. A. Smethers and W. Elliott. 1,798,958; Mar. 31.
Agricultural implement. S. S. Spire. 1,810,889; June 16.
Agricultural implement. O. Wendt. 1,788,606; Jan. 13.
Agricultural implement. H. L. Wick. 1,836,144; Dec. 15.
Agricultural implement, Power actuated. C. W. Robinson. 1,815,331; July 21.
Agricultural implement, Pushed. G. D. Jones. 1,827,237; Oct. 13.
Agricultural implement, Wheel lift for. K. Fujikawa. 1,796,516; Mar. 17.
Agricultural machine. C. C. Ensminger. 1,816,999; Aug. 4.
Agricultural machine. A. Garric. 1,828,773; Oct. 27.
Agricultural machine. A. Lienhart. 1,788,165; Jan. 6.
Agricultural machine. B. F. and H. C. McCain. 1,797,476; Mar. 24.
Agricultural machine. C. Niemann and H. E. Schmidt. 1,836,767; Dec. 15.
Agricultural machine. O. Olson. 1,793,746; Feb. 24.
Agricultural machine. F. Patsschke. 1,824,098; Sept. 22.

Agricultural machine. P. Phan-Quang. 1,839,000; Dec. 29.
Agricultural machine. G. Popp. 1,835,670; Dec. 8.
Agricultural machine. J. S. Stewart. 1,796,311; Mar. 17.
Agricultural machine. J. S. Stewart. 1,808,690; June 2.
Agricultural machine. J. S. Stewart. 1,837,377; Dec. 22.
Agricultural machine attachment. W. Krenzel. 1,826,551; Oct. 6.
Agricultural machine, Hillside. B. F. Gravely. 1,822,211; Sept. 8.
Agricultural products, Drying. N. W. Dalton. 1,791,054; Feb. 3.
Aileron. J. L. Cato. 1,789,215; Jan. 13.
Air agitator. A. M. Schick. 1,822,671; Sept. 8.
Air and gas washing apparatus. W. A. Smith. 1,836,290; Dec. 15.
Air and other gases for industrial uses, Apparatus for heating. H. A. Brassert. 1,825,259; Sept. 29.
Air, Apparatus for agitating the. G. Nägele. 1,831,682; Nov. 10.
Air, Apparatus for cleaning. L. A. Paradise. 1,818,742; Aug. 11.
Air, Apparatus for conditioning. C. F. Shadle. 1,804,649; May 12.
Air, Apparatus for conditioning. T. Shipley. 1,837,798; Dec. 22.
Air, apparatus for distributing and circulating. G. L. Arms. 1,812,072; June 30.
Air, Apparatus for filtering and treating. W. Jenks. 1,801,506; Apr. 21.
Air, Apparatus for heating. H. M. Heyn and F. H. Trembly, jr. 1,791,561; Feb. 10.
Air, Apparatus for humidifying. A. G. Decker. 1,826,508; Oct. 6.
Air, Apparatus for treatment of. C. W. Brabbée. 1,795,161; Mar. 3.
Air bag. H. A. Denmire. 1,801,335; Apr. 21.
Airbags, Treatment of. C. Van Rennes. 1,818,937; Aug. 11.
Air brake. H. F. Bickel. 1,836,151; Dec. 15.
Air brake. F. Faudi. 1,792,686; Feb. 17.
Air brake. E. R. Greenlee. 1,803,798; May 5.
Air brake. L. K. Sillcox. 1,835,246; Dec. 8.
Air brake mechanism for pilger mill feed gears. H. Dreyer. 1,833,990; Dec. 1.
Air brake, Single-chamber compressed-. W. Hildebrand. 1,789,750; Jan. 20.
Air brake, Single chamber compressed. W. Hildebrand. 1,832,391–3; Nov. 17.
Air-brake switch, High-tension. N. J. Conrad. 1,789,461; Jan. 20.
Air circulating and clarifying unit. J. D. Cole. 1,819,498; Aug. 18.
Air circulating apparatus. H. H. Robson. 1,835,085; Dec. 8.
Air circulating device for drying flat fabrics. H. Haas. 1,804,558; May 12.
Air circulating device for hot air furnaces. E. Ackerman. 1,811,828; June 23.
Air circulating device for warm air furnaces. E. Ackerman and W. Mowers. 1,823,521; Sept. 15.
Air-clarifying means. J. A. Bowden. 1,793,583; Feb. 24.
Air classifier. A. H. Stebbins. 1,832,256; Nov. 17.
Air classifier. A. H. Stebbins. 1,834,981–2; Dec. 8.
Air cleaner. A. A. Bull. 1,816,633; July 28.
Air cleaner. H. R. Davies. 1,820,530; Aug. 25.
Air cleaner. H. Ford. 1,803,751; May 5.
Air cleaner. R. F. Gordon and J. S. Gwaltney. 1,820,795; Aug. 25.
Air cleaner. G. P. Heath. 1,796,946; Mar. 17.
Air cleaner. H. G. Kamrath. 1,808,170; June 2.
Air cleaner. H. G. Kamrath. 1,829,401; Oct. 27.
Air cleaner. C. C. Manchester. 1,791,732; Feb. 10.
Air cleaner. H. Rabezzana. 1,795,888; Mar. 10.
Air cleaner. J. P. Remington. 1,816,871; Aug. 4.
Air cleaner. G. M. Spencer. 1,800,326; Apr. 14.
Air cleaner. I. H. Wilsey. 1,790,890; Feb. 3.
Air cleaner. W. C. Wilson. 1,838,513; Dec. 29.
Air cleaner. C. A. Winslow and E. J. Hall. 1,798,510; Mar. 31.
Air cleaner and filter. H. Smick. 1,833,622; Nov. 24.
Air cleaner case. R. K. Runyon. 1,832,245; Nov. 17.
Air, Cleaning. W. C. Wilson. 1,838,512; Dec. 29.
Air cleaning and conditioning apparatus. E. V. Hill. 1,824,891; Sept. 29.
Air-cleansing apparatus. R. M. Fox and H. E. Smith. 1,791,668; Feb. 10.
Air compressing machine. W. J. Brightwell. 1,815,828; July 21.
Air compressor. W. L. Dayton. 1,834,688; Dec. 1.
Air compressor. C. Olson. 1,819,966; Aug. 18.
Air compressor. A. J. Rix. 1,819,691; Aug. 18.
Air compressor, Rotary. W. C. Tyler. 1,831,272; Nov. 10.
Air concentrator or compressor. W. B. Hale. 1,806,941; May 26.
Air conditioner. C. A. Bulkeley. 1,826,921; Oct. 13.
Air conditioner. G. D. Harris. 1,808,982; June 9.
Air conditioner stand. T. J. Kehoe. Des. 84,831; Aug. 11.
Air conditioning. S. C. Bloom. 1,830,823; Nov. 10.
Air conditioning and circulating apparatus for cold storage chambers. C. A. Moore. 1,813,188; July 7.
Air conditioning apparatus. S. M. Anderson. 1,813,692; July 7.
Air conditioning apparatus. F. F. Bahnson. 1,804,079; May 5.
Air conditioning apparatus. D. Handelan. 1,838,255; Dec. 29.
Air conditioning apparatus. W. M. Jones. 1,838,684; Dec. 29.
Air-conditioning apparatus. G. F. Kelley. 1,789,141; Jan. 13.
Air conditioning apparatus. L. W. Melcher. 1,825,808; Oct. 6.
Air conditioning device. W. C. Denison. 1,829,341; Oct. 27.
Air conditioning device for cold storage rooms. C. A. Moore. 1,832,874; Nov. 24.
Air conditioning method and apparatus. S. M. Anderson. 1,830,182; Nov. 3.
Air conditioning system. B. Bannister. 1,811,378; June 23.
Air-cooled engine. G. O. Brittain. 1,800,927; Apr. 14.
Air-cooled furnace. D. S. Jacobus. 1,794,774; Mar. 3.
Air cooled furnace wall. H. H. Baumgartner. 1,812,315; June 30.
Air-cooled motor. C. O. Prest. 1,798,985; Mar. 31.
Air cooler. G. O'Brien. 1,836,812; Dec. 15.
Air cooler and humidifier. R. D. Matteson. 1,790,993; Feb. 3.
Air cooling and conditioning apparatus. W. S. Toncray. 1,805,963; May 19.
Air, Cooling and drying. W. L. Fleisher. 1,819,643; Aug. 18.
Air cooling device. R. Monroe. 1,818,343; Aug. 11.
Air cooling system for combustion engines. G. E. and J. W. Reed. 1,818,868; Aug. 11.
Aircraft. S. T. Allen. 1,801,834; Apr. 21.
Aircraft. A. Andersen. 1,822,386; Sept. 8.
Aircraft. F. Bauer. 1,838,354; Dec. 29.
Aircraft. J. Bayerlein and A. A. Seiler. 1,829,080; Oct. 27.
Aircraft. F. A. Bowling. 1,815,758; July 21.
Aircraft. L. A. Cadoret. 1,822,476; Sept. 8.
Aircraft. G. Cartasso. 1,824,010; Sept. 22.
Aircraft. W. J. Cline and M. F. Wagner. 1,828,026; Oct. 20.
Aircraft. C. W. Crooke, jr. 1,833,416; Nov. 24.
Aircraft. A. J. F. de Bavay. 1,801,727; Apr. 21.
Aircraft. E. W. Dichman. 1,835,022; Dec. 8.
Aircraft. J. M. Gwinn, jr. 1,791,497; Feb. 10.
Aircraft. J. M. Gwinn, jr. 1,804,765; May 12.
Aircraft. J. M. Gwinn, jr. 1,828,184; Oct. 20.
Aircraft. C. S. Hall. 1,792,738; Feb. 17.
Aircraft. C. S. Hall. 1,795,334; Mar. 10.
Aircraft. C. S. Hall. 1,797,502; Mar. 24.
Aircraft. C. B. Harper. 1,811,390; June 23.
Aircraft. J. J. Hicks. 1,825,115; Sept. 29.
Aircraft. J. W. S. Hodgdon. 1,790,923; Feb. 3.
Aircraft. F. A. Howard. 1,796,789; Mar. 17.
Aircraft. F. A. Howard. 1,832,396; Nov. 17.
Aircraft. A. S. James. 1,826,076; Oct. 6.
Aircraft. Y. H. Koun. 1,824,280; Sept. 22.
Aircraft. I. M. Laddon. 1,804,790; May 12.
Aircraft. I. M. Laddon. 1,828,192; Oct. 20.
Aircraft. H. P. Massey. 1,820,919; Sept. 1.
Aircraft. L. J. McCarthy. 1,818,809; Aug. 11.
Aircraft. F. Naim. 1,800,744; Apr. 14.
Aircraft. C. H. Ohlrich. 1,814,957; July 14.
Aircraft. A. K. Peterson. 1,796,765; Mar. 17.
Aircraft. H. F. Pitcairn. 1,820,946; Sept. 1.
Aircraft. H. H. Platt and F. W. Wilkening. 1,795,501; Mar. 10.
Aircraft. M. B. Pupp. 1,809,253; June 9.
Aircraft. A. A. Reid. 1,834,254; Dec. 1.
Aircraft. C. E. Smith. 1,838,457; Dec. 29.
Aircraft. M. C. Snyer. 1,813,468; July 7.
Aircraft. R. Thayer. 1,806,316; May 19.
Aircraft. A. P. Thurston. 1,798,914–15; Mar. 31.
Aircraft. J. D. Weber. 1,823,417; Sept. 15.
Aircraft. E. B. Wilford. 1,832,338; Nov. 17.
Aircraft. F. D. Williams. 1,827,771; Oct. 20.
Aircraft, Air cell for. C. S. Hall. 1,834,614; Dec. 1.
Aircraft, Balancing system for. J. P. Tarbox. 1,832,334; Nov. 17.
Aircraft, Balancing system for. J. P. Tarbox. 1,832,433; Nov. 17.
Aircraft body. G. M. Proudfoot. 1,793,132; Feb. 17.
Aircraft bodies. A. Black. 1,792,480; Feb. 17.
Aircraft carrier, Submarine. E. N. Greuniesen. 1,828,655; Oct. 20.
Aircraft construction. J. B. Shainline. 1,813,430; July 7.
Aircraft construction and making same. E. J. W. Ragsdale. 1,834,642; Dec. 1.
Aircraft control. P. P. Horni. 1,794,690; Mar. 3.
Aircraft control mechanism. P. Maiwurm. 1,828,253; Oct. 20.
Aircraft, Control surface operating mechanism for. R. D. Carlton and H. F. Franklin. 1,833,635; Nov. 24.
Aircraft control surfaces, Operating mechanism for. 1,789,483; Jan. 20.
Aircraft control system. S. J. Elsby. 1,830,429; Nov. 3.
Aircraft controlling means. M. J. Palmquist. 1,836,681; Dec. 15.
Aircraft, Decelerating. R. H. Goddard. 1,834,149; Dec. 1.
Aircraft, Device for continuously recording the path of flight of. R. Hugershoff. 1,829,594; Oct. 27.
Aircraft, Directional controlling means for. H. Junkers. 1,788,836; Jan. 13.

Aircraft, especially aircraft of the amphibian type, including means of constructing and operating the same. I. Sikorsky. 1,838,044; Dec. 22.
Aircraft especially of the amphibion type including means for mounting engines thereon. I. I. Sikorsky. 1,816,129; July 28.
Aircraft fitting. A. J. Fairbanks. 1,805,439; May 12.
Aircraft, Handling. W. V. N. Powelson and W. Travell. 1,823,466; Sept. 15.
Aircraft having rotative wings. J. de la Cierva. Re18,002; Mar. 17.
Aircraft inclosure, Convertible. J. D. Alexander and A. W. Mooney. 1,790,785; Feb. 3.
Aircraft including differential aileron control system for same. I. Sikorsky. 1,831,039; Nov. 10.
Aircraft, including seat for same. I. Sikorsky. 1,807,939; June 2.
Aircraft, including windows for same. I. Sikorsky. 1,833,917; Dec. 1.
Aircraft including wing panel and fuel tank assembly for same. I. I. Sikorsky. 1,816,130; July 28.
Aircraft, Instrument panel for. C. E. Johnson. Re18,283; Dec. 15.
Aircraft landing. R. R. Roane. 1,798,851; Mar. 31.
Aircraft, Landing and launching mechanism for. J. C. L. Ritter, jr. 1,796,876; Mar. 17.
Aircraft landing and releasing apparatus. W. Kiwull. 1,811,321; June 23.
Aircraft landing apparatus. P. V. Florido. 1,814,985; July 14.
Aircraft, Landing carriage for. W. S. Glennan. 1,830,228; Nov. 3.
Aircraft, Landing carriage for. E. Zindel. 1,802,692; Apr. 28.
Aircraft liner. F. A. Berg. 1,831,055; Nov. 10.
Aircraft, Loading. A. F. Godefroy. 1,821,057; Sept. 1.
Aircraft or other brake. C. Sexton. 1,812,806; June 30.
Aircraft, Plane for. H. Junkers. 1,802,721; Apr. 28.
Aircraft, Pontoon for. W. J. Von Miller. 1,794,474; Mar. 3.
Aircraft power generating system. C. A. Serriades. 1,808,439; June 2.
Aircraft propeller. F. M. Covey. 1,835,849; Dec. 8.
Aircraft propeller, Automatic adjusting mechanism for. L. W. Schoepp and F. S. McMann. 1,830,858; Nov. 10.
Aircraft, Propeller for. E. G. McCauley. 1,790,163; Jan. 27.
Aircraft propelling means. J. B. Shainline. 1,829,064; Oct. 27.
Aircraft propelling mechanism. C. S. Hall. 1,788,430; Jan. 13.
Aircraft, Propelling system for. L. Breguet. 1,824,325; Sept. 22.
Aircraft propulsion. W. H. French. 1,833,110; Nov. 24.
Aircraft propulsion. B. Streichert. 1,798,006; Mar. 24.
Aircraft propulsion means. P. Maiwurm. 1,790,162; Jan. 27.
Aircraft, Propulsion of. R. H. Goddard. 1,809,271; June 9.
Aircraft, Safety lifting and descending accessory for. T. M. Leka. 1,804,352; May 5.
Aircraft, Safety means for. R. A. Mac Lean. 1,801,871; Apr. 21.
Aircraft, Safety wing for. B. O. Dahl. 1,806,148; May 19.
Aircraft, Semi-buoyant. G. A. Jenkins. 1,821,061; Sept. 1.
Aircraft sheet metal seam. H. V. Thaden. 1,817,653; Aug. 4.
Aircraft, Stabilizing device for. B. Kiss. 1,826,938; Oct. 13.
Aircraft structure. H. J. Pollard. 1,813,814; July 7.
Aircraft, submarine, and other totally immersed craft, or structures. A. P. Thurston. 1,798,913; Mar. 31.
Aircraft, submarines, and like totally immersed craft or structures, Controlling. A. P. Thurston. 1,827,304; Oct. 13.
Aircraft, Undercarriage for. G. T. R. Hill. 1,818,891; Aug. 11.
Aircraft wing. E. B. Carns. 1,829,922; Nov. 3.
Aircraft wing, Box shaped central portion of metal. L. Staiger. 1,822,247; Sept. 8.
Aircraft wing construction. O. H. Jensen. 1,833,995; Dec. 1.
Aircraft, Wing control for. B. F. Aldrich. 1,806,927; May 26.
Aircraft, Wing of. A. Rohrbach. 1,795,970; Mar. 10.
Aircraft, Wing or plane for. E. B. Carns. 1,827,281; Oct. 13.
Aircraft wing, Single spar. W. Messerschmitt. 1,803,030; Apr. 28.
Aircraft, Wings and other aerofoils of. R. M. Wood. 1,806,379; May 19.
Aircraft with adjustable wing. P. R. Tarr. 1,792,779; Feb. 17.
Aircraft with guns having two or three axes and mounted on moving platforms, Appliance for the automatic determination of the range factors for combating. L. Schmidt. 1,810,298; June 16.
Aircraft with rotative wings. J. de la Cierva. 1,811,303; June 23.
Aircrafts and the like, Wing structure for. G. Miller. 1,809,721; June 9.
Air current motor. G. E. Heckman. 1,802,893; Apr. 28.
Air, Device for cleaning. W. C. Wilson. 1,838,511; Dec. 29.
Air, Device for cleansing the. P. E. Egenfeldt-Olsen. 1,838,863; Dec. 29.
Air diffuser. M. G. Werme. 1,793,295; Feb. 17.
Air ejector. U. A. Taddiken. 1,804,569; May 12.
Air exhausting apparatus. J. H. Irons. 1,810,607; June 16.
Air extractor. A. McNab. 1,787,637; Jan. 6.
Air filtering device. J. H. Fedeler. 1,833,674; Nov. 24.
Air float. J. Mego. 1,836,928; Dec. 15.
Air flow in pneumatic systems, Method of and apparatus for controlling. M. L. Emerson. 1,813,487; July 7.
Airflow passing aircraft bodies, Reducing eddy formation in. H. C. H. Townend. 1,813,645; July 7.
Airfoil. J. S. Maxwell. 1,822,976; Sept. 15.
Airfoil. H. H. Semmes. 1,809,913; June 16.
Airfoil. H. H. Semmes. 1,835,532; Dec. 8.
Airfoil construction. H. E. McQuire. 1,832,314; Nov. 17.
Airfoil, Elastically mounted self adjusting. W. Stelzer. Re18,181; Sept. 8.
Airfoil, Extensible and retractable. C. H. Carlson. 1,789,925; Jan. 20.
Air foil lift control. J. R. and G. H. Albers. 1,815,489; July 21.
Air for air cleaning tables, Distributing and circulating. G. L. Arms. 1,812,073; June 30.
Air for stored produce, Structure for conditioning. C. A. Moore. 1,832,912; Nov. 24.
Air from between superposed sheets of material, Expelling. W. B. White. 1,838,510; Dec. 29.
Air from liquids, Method and apparatus for separating. W. S. Elliott. 1,797,405; Mar. 24.
Air from water, Extracting. M. Kirsch. 1,822,659; Sept. 8.
Air gauge. C. H. Cox. 1,794,672; Mar. 3.
Air gauge. J. C. Crowley. 1,795,076; Mar. 3.
Airgun. C. C. Loomis. 1,830,763; Nov. 10.
Air gun, Repeating. V. H. Forsman, A. J. Decker, and A. W. Edwards. 1,817,745; Aug. 4.
Air gun, Repeating. H. Schmeisser. 1,816,091; July 28.
Air gun, Repeating. H. T. Tostenson. 1,825,489; Sept. 29.
Air heater. J. Boerstra. 1,816,466; July 28.
Air heater. V. Z. Caracristi. 1,805,652; May 19.
Air heater. C. S. Davy. 1,789,401; Jan. 20.
Air heater. D. S. Jacobus. 1,790,817; Feb. 3.
Air heater. A. Ratner. 1,797,927; Mar. 24.
Air heater. N. L. Snow. 1,814,010; July 14.
Air heater. C. A. Soans. 1,804,444; May 12.
Air heater. W. E. Stark. 1,830,412; Nov. 3.
Air heater. G. Turkus. 1,812,458; June 30.
Air heater. B. B. Whittam. 1,804,191; May 5.
Air heater, Cabinet. J. M. Frank and S. Stack. 1,827,512; Oct. 13.
Air-heater cleaner. S. F. Cox. 1,798,370; Mar. 31.
Air heater, Hot-. R. T. Taylor and W. W. Wallace, jr. 1,795,055; Mar. 3.
Air heater, Recirculating. J. H. Holton. 1,791,314; Feb. 3.
Air heating and circulating apparatus. M. S. Hart and M. G. Steele. 1,790,473; Jan. 27.
Air-heating furnace. T. W. Torr. 1,790,777; Feb. 3.
Air humidifier. W. Knowlton and W. S. Vaughan. 1,819,423; Aug. 18.
Air, Humidifying. E. S. Buck. 1,788,447; Jan. 13.
Air in cold storage rooms, Conditioning and circulating the. C. A. Moore. 1,813,250; July 7.
Air in cold storage rooms, Refrigerating and controlling the circulation of. C. A. Moore. 1,813,187; July 7.
Air in dry separating tables, Apparatus for controlling. R. W. Arms. 1,812,071; June 30.
Air into oxygen and nitrogen by liquefaction, Separation of. A. Messer. 1,800,353; Apr. 14.
Air in two conduits, Apparatus for automatically establishing a pulsating motion of. G. K. V. Johanson. 1,807,692; June 2.
Air in two conduits, Apparatus for automatically establishing a pulsating motion of. G. K. W. Johansson. 1,808,114; June 2.
Air lift, Automatic. W. J. Cluthe. 1,824,075; Sept. 22.
Air lift device. J. M. Scheuber. 1,825,094; Sept. 29.
Air line connecter, Automatic. D. B. McTaggart. 1,810,778; June 16.
Air-line lubricator. E. W. Stevens. 1,791,045; Feb. 3.
Air lock method of increasing tunnel capacities. C. A. Lee, jr. 1,829,525; Oct. 27.
Air mail catcher and refilling device. H. Zimmerman. 1,818,834; Aug. 11.
Air mail exchange device. C. C. Pursley. 1,805,258; May 12.
Air, Method and apparatus for conditioning. T. Shipley. 1,837,797; Dec. 22.
Air mixer and circulator. G. T. Markey. 1,837,546; Dec. 22.
Air mixer, Hermetically sealed. C. Herwig, jr. 1,837,549; Dec. 22.
Air mixing apparatus for internal combustion motors, Automatic. L. A. Hart. 1,808,814; June 9.
Air moistener. B. M. Mills. 1,815,951; July 28.
Air moistener. H. S. Pease. 1,798,220; Mar. 31.
Air-moistening device. S. C. Cutler. 1,796,982; Mar. 17.
Air motor. I. V. K. Hott. 1,810,176; June 16.

Air motor. H. E. Musselwhite. 1,836,037; Dec. 15.
Air moving apparatus. E. O. Kuendig. 1,801,964; Apr. 21.
Air of inclosures, Method and apparatus for humidifying and cooling the. A. F. Karlson. 1,810,915; June 23.
Air or gas purifier. C. P. Hegan and W. B. Diecks. 1,807,983; June 2.
Air-pilot-training device and the like. A. Bisch. 1,791,655; Feb. 10.
Airplane. S. T. Allen. 1,801,833; Apr. 21.
Airplane. I. Andersson. 1,793,349; Feb. 17.
Airplane. G. H. Bowlus. 1,835,630; Dec. 8.
Airplane. V. J. Burnelli. 1,799,777–8; Apr. 7.
Airplane. E. B. Carns. 1,792,890; Feb. 17.
Airplane. A. Cernuda. 1,825,578; Sept. 29.
Airplane. S. S. Chadderton. Des. 83,510; Feb. 17.
Airplane. C. H. Congdon. 1,830,931; Nov. 10.
Airplane. R. A. A. Couzinet. 1,811,304; June 23.
Airplane. E. L. Crozier. Des. 85,167; Sept. 22.
Airplane. W. Darbyson. 1,800,439; Apr. 14.
Airplane. E. H. Davis. 1,830,019; Nov. 3.
Airplane. F. G. Diago. 1,819,948; Aug. 18.
Airplane. T. Dugan. 1,812,143; June 30.
Airplane. J. Eck. 1,804,092; May 5.
Airplane. S. F. Few. 1,816,898; Aug. 4.
Airplane. H. Ford. 1,816,216; July 28.
Airplane. C. W. Fossett. 1,790,658; Feb. 3.
Airplane. A. C. Gienger. 1,794,844; Mar. 3.
Airplane. J. P. Glasby. 1,823,735; Sept. 15.
Airplane. R. F. Hall. 1,797,657; Mar. 24.
Airplane. R. F. Hall. 1,818,321; Aug. 11.
Airplane. R. F. Hall. 1,827,845; Oct. 20.
Airplane. W. A. Hammond. 1,836,592; Dec. 15.
Airplane. W. Henning. 1,791,868; Feb. 10.
Airplane. A. M. Henry. 1,825,792; Oct. 6.
Airplane. H. A. Hicks. 1,810,244; June 16.
Airplane. H. A. Hicks. 1,816,219; July 28.
Airplane. J. Hojnowski. 1,831,175; Nov. 10.
Airplane. A. Jordanoglou. 1,797,347; Mar. 24.
Airplane. H. Klingaman. 1,799,910; Apr. 7.
Airplane. P. Malacos. 1,798,093; Mar. 24.
Airplane. R. S. Moore. 1,827,253; Oct. 13.
Airplane. C. B. O'Connor. 1,827,953; Oct. 20.
Airplane. M. O'Connor. 1,833,258; Nov. 24.
Airplane. P. E. Papke. Des. 85,198; Sept. 22.
Airplane. H. E. Perlain. 1,834,135; Dec. 1.
Airplane. C. Ramakers and D. R. Carsley. 1,805,722; May 19.
Airplane. J. D. Rauch. 1,827,438; Oct. 13.
Airplane. J. Rothschild. 1,829,372; Oct. 27.
Airplane. R. H. Royster. 1,808,996; June 9.
Airplane. H. M. Salisbury and A. E. Miller. 1,806,648; May 26.
Airplane. R. W. Schroeder. 1,838,194; Dec. 29.
Airplane. N. Spanovic. 1,832,254; Nov. 17.
Airplane. J. Squires. 1,827,441; Oct. 13.
Airplane. E. A. Stalker. 1,829,616; Oct. 27.
Airplane. W. B. Stout. Des. 85,212; Sept. 22.
Airplane. W. B. Stout. 1,838,334; Dec. 29.
Airplane. J. B. Strauss. 1,830,007; Nov. 3.
Airplane. E. M. Torkelson. 1,802,226; Apr. 21.
Airplane. A. Tucker and J. S. Van Ausdal. 1,801,028; Apr. 14.
Airplane. W. Wait, jr. 1,794,811; Mar. 3.
Airplane and improved wing construction therefor, Anti-ice. A. C. Vining. 1,821,776; Sept. 1.
Airplane and method of control. R. W. Schroeder. 1,817,651; Aug. 4.
Airplane and method of making. R. H. Upson. 1,807,946; June 2.
Airplane and propeller. E. O'Toole. 1,789,252; Jan. 13.
Airplane appliance. R. C. Stroop. 1,823,069; Sept. 15.
Airplane automatic control. A. E. Elsea. 1,808,771; June 9.
Airplane, Automatically controlled. R. M. Adamson. 1,805,750; May 19.
Airplane bodies, Handling carriage for. G. Loening. 1,811,551; June 23.
Airplane collapsible undercarriage for alighting on land and water. R. A. A. Couzinet. 1,836,704; Dec. 15.
Airplane construction. G. M. Bellanca. 1,835,369; Dec. 8.
Airplane construction. H. A. Hicks. 1,802,915; Apr. 28.
Airplane construction. W. H. Nelsch. 1,816,653; July 28.
Airplane construction. J. E. Sperry. 1,815,124; July 21.
Airplane construction and method therefor. J. B. Jewett, jr. 1,814,556; July 14.
Airplane control. R. Chilton. 1,803,498; May 5.
Airplane control. E. D. Hilburn. 1,809,936; June 16.
Airplane control. C. A. Van Dusen. 1,802,130; Apr. 21.
Airplane control. C. Wald. 1,825,609; Sept. 29.
Airplane control, Automatic. G. De Beeson. 1,829,790; Nov. 3.
Airplane control mechanism. R. H. Upson. 1,806,432; May 19.
Airplane control mechanism, Automatic. F. W. Gay. 1,804,006; May 5.
Airplane, Control members of an. R. A. A. Couzinet. 1,811,305; June 23.
Airplane, Cycle. J. Franz. 1,789,623; Jan. 20.
Airplane, Dirigible. J. W. S. Hodgdon. Des. 84,288; June 2.
Airplane engine. J. M. Royal. 1,808,380; June 2.
Airplane flotation system. H. W. Adams and F. M. Salisbury. 1,818,597; Aug. 11.
Airplane fuselage construction. H. A. Hicks. 1,803,018; Apr. 28.
Airplane, Gyroscopic. H. M. Salisbury and E. Miller. 1,838,327; Dec. 29.
Airplane having a variable lifting surface. J. Gérin. 1,787,517; Jan. 6.
Airplane landing and launching apparatus. R. Gibbons. 1,797,767; Mar. 24.
Airplane landing and launching mechanism. C. A. Audrain. 1,836,010; Dec. 15.
Airplane landing brake. S. C. Irving. 1,811,199; June 23.
Airplane landing field. H. C. Belleville. 1,830,978; Nov. 10.
Airplane Landing field and remote control therefor. Y. Nabona and W. B. Chapman. 1,793,744; Feb. 24.
Airplane landing fields or terminals, Equipment for. A. P. Callison. 1,818,841; Aug. 11.
Airplane launching apparatus. E. Heinkel. 1,802,649; Apr. 28.
Airplane-launching apparatus, Device for. E. Heinkel. 1,799,366; Apr. 7.
Airplane-launching track. E. Heinkel. 1,798,880; Mar. 31.
Airplane-launching tracks, Appliance for. E. Heinkel. 1,798,881; Mar. 31.
Airplane package transferring apparatus. L. S. Adams. 1,818,835; Aug. 11.
Airplane pontoon. W. H. Wallraff. 1,817,047; Aug. 4.
Airplane propeller. C. H. Gunn. 1,813,877; July 7.
Airplane propeller. H. H. Hardin. 1,816,730; July 28.
Airplane-propeller blade. C. H. Gunn. 1,799,745; Apr. 7.
Airplane propeller, Variable pitch. W. A. Matthey. 1,825,881; Oct. 6.
Airplane propulsion device. S. R. Smith. 1,811,441; June 23.
Airplane, Safety. M. Cheetham. 1,814,829; July 14.
Airplane safety device. J. Zinkowetsky. 1,820,958; Sept. 1.
Airplane tail jack and dolly. W. B. McLendon and M. F. Wagner. 1,794,027; Feb. 24.
Airplane, Toy. R. M. Baylis. 1,821,172; Sept. 1.
Airplane uses, Manufacturing material for. E. H. Auld. 1,789,288; Jan. 20.
Airplane vertical rudder control mechanism E. M. Walden. 1,819,801; Aug. 18.
Airplane wing. W. D. Fricke. 1,796,016; Mar. 10.
Airplane wing construction. J. V. Crichton. 1,818,971; Aug. 18.
Airplane wing covering. W. L. Lewis and F. H. Rohr. 1,835,312; Dec. 8.
Airplane wing slot control. L. C. Milburn. 1,830,122; Nov. 3.
Airplane-wing stabilizer. A. W. Sieglaff. 1,790,329; Jan. 27.
Airplane wing, Unilayer rigid. J. Blondin. 1,804,823; May 12.
Airplanes and the like, Landing and launching. J. Schimmel, 3d. 1,796,693; Mar. 17.
Airplanes, Automatic control for landing. P. R. Schneeweiss and J. H. Leonard. 1,799,194; Apr. 7.
Airplanes, Auxiliary extensible wing for. E. A. Turner. 1,815,814; July 21.
Airplanes, Combating sleet on. C. F. Chisholm. 1,819,497; Aug. 18.
Airplanes, Mechanical rocket power for. K. M. E. Zwinkel. 1,802,860–1; Apr. 28.
Airplanes, Method and apparatus for increasing the lift of. T. Berbeck. 1,804,307; May 5.
Airplanes, Runway for. J. Gafney. 1,820,062; Aug. 25.
Airplanes, Starting and stopping device for. S. Svenson. 1,795,906; Mar. 10.
Airplanes, Take off and landing apparatus for. H. J. Breeze. 1,813,986; July 14.
Airplanes, Wing heater for. L. V. Stowe. 1,791,331; Feb. 3.
Air port closure device. W. L. Kraemer and J. E. Garabrant. 1,813,242; July 7.
Airport, Floating. J. H. Todd and G. F. Wheeler. 1,813,263; July 7.
Air preheater. W. E. Dowd, jr. 1,834,579; Dec. 1.
Air preheater. R. C. Roe. 1,833,130; Nov. 24.
Air preheater, Regenerative. G. C. Cook. 1,811,455; June 23.
Air pressure controller, Tire inflating. A. J. Nelson and C. J. Essman. 1,803,863; May 5.
Air-pressure conveyor. H. Peikert. 1,796,215; Mar. 10.
Air-pressure gauge. A. E. Carliss. 1,797,324; Mar. 24.
Air pressure gauge. L. A. Hallstead and H. Dawson. 1,805,869; May 19.
Air-pressure indicator. R. Courchesne. 1,796,244; Mar. 10.
Air pressure regulator. P. Weber. 1,836,416; Dec. 15.
Air pressure water system for passenger cars. A. B. Lawson. 1,829,450; Oct. 27.
Air, Process and apparatus for purifying. P. O. Rockwell. 1,789,194; Jan. 13.
Air pumping device for use with pneumatic tires. S. Jencick. 1,838,627; Dec. 29.
Air purifier. W. E. Dean. 1,824,037; Sept. 22.
Air purifier. C. C. Farmer. 1,790,205; Jan. 27.
Air purifier. C. C. Farmer. 1,805,657; May 19.
Air purifier. H. H. Root. 1,819,521; Aug. 18.
Air purifier. C. J. Schobrone. 1,796,405; Mar. 17.
Air purifying appliance. K. E. Pütter. 1,808,177; June 2.

Air receiving and directing means for rotary fans. L. L. Haas. 1,809,846; June 16.
Air register seal, Warm. G. F. Gehri. 1,811,231; June 23.
Airscrew. S. Heath. 1,838,674; Dec. 29.
Air-seal device. H. A. S. Howarth. 1,798,204; Mar. 31.
Air separator. T. J. Sturtevant. 1,788,361; Jan. 6.
Air separator. T. J. Sturtevant. 1,826,406; Oct. 6.
Air service column. B. Phillips. 1,835,896; Dec. 8.
Air-service station. J. C. Woodford. Re18,016; Mar. 31.
Airship. A. M. Balch. 1,802,863; Apr. 28.
Airship. J. M. Bourland. 1,838,248; Dec. 29.
Airship. C. D. Bowker. 1,804,588; May 12.
Airship. J. Braunwalder. 1,823,875; Sept. 22.
Airship. D. S. Colby. 1,822,202; Sept. 8.
Airship. G. G. Duering. 1,808,132; June 2.
Airship. M. M. Egan. 1,809,680; June 9.
Airship. J. B. Ellinger. 1,822,849; Sept. 8.
Airship. G. D. Hazard. 1,811,196; June 23.
Airship. J. J. Hicks. 1,814,925; July 14.
Airship. H. P. Miner. 1,807,542; May 26.
Airship. N. C. Pickard. 1,794,202; Feb. 24.
Airship. E. L. Reynolds. 1,832,790; Nov. 17.
Airship. J. C. Schleicher. 1,807,710; June 2.
Airship. J. Schuette. 1,817,274; Aug. 4.
Airship. N. T. Shorts. 1,790,078; Jan 27.
Airship. W. C. Ward. 1,806,135; May 19.
Airship. N. G. Warth. 1,824,453; Sept. 22.
Airship. D. W. Wells. 1,824,250; Sept. 22.
Airship coach. H. Castady. 1,803,005; Apr. 28.
Airship construction. F. C. Krummel. 1,801,202; Apr. 14.
Airship, Heavier than air. E. W. Paslak and V. L. Mullendore. 1,834,417; Dec. 1.
Airship mooring mast. A. Hall-Brown and E. W. Jones. 1,818,603; Aug. 11.
Airship, Nonrigid. K. Bauch and P. Helma. 1,800,174; Apr. 7.
Airship propulsion. P. J. Prokop. 1,833,722; Nov. 24.
Airship, Vertical-rising J. D. Langdon. 1,791,597; Feb. 10.
Airships, Landing of. O. Krell. 1,802,025; Apr. 21.
Airships, Mooring and housing. W. V. N. Powelson and W. Travell. 1,823,063; Sept. 15.
Airships, Stabilization of. W. V. N. Powelson and W. Travell. 1,823,288; Sept. 15.
Air supply device. R. T. Balthazor. 1,808,281; June 2.
Air system. A. W. Keichline. 1,838,839; Dec. 29.
Air system. G. R. Lawrence. 1,815,306; July 21.
Air tempering and humidifying unit. G. W. Nitchy. 1,825,813; Oct. 6.
Air to combustion chambers, Delivering preheated. G. Van Daam. 1,832,434; Nov. 17.
Air to render the same suitable for breathing, Purification of. G. St. J. Perrott, and M. Yablick. 1,787,875; Jan. 6.
Air tube and the like and reenforcing same. M. S. Hannon. 1,818,710; Aug. 11.
Air under pressure. Apparatus for supplying. C. G. Wilson. 1,826,975; Oct. 13.
Air vent for fuel tanks. G. Hunt. 1,806,292; May 19.
Air-vent means for vaults. J. P. Williams. 1,791,050; Feb. 3.
Air washer. G. S. Dauphinee. 1,819,595; Aug. 18.
Air washer. E. J. Farkas. 1,802,911; Apr. 28.
Air washer and humidifier. H. C. Ridler. 1,835,812; Dec. 8.
Air washer and humidifying device. C. I. Marquette. 1,790,991; Feb. 3.
Air washing and tempering machine. W. A. Schwender. 1,827,768; Oct. 20.
Air washing apparatus. S. C. Cutler. 1,816,828; Aug. 4.
Air wrench. R. H. Miner. 1,827,159; Oct. 13.
Aisle light. G. H. Hamilton and E. W. Chapman. 1,820,797; Aug. 25
Aisle light. H. B. Walthers. 1,793,200; Feb. 17.
Alarm; *See*—
Automatic fire alarm.
Burglar alarm.
Door alarm.
Electric alarm.
Fire alarm.
Fishing line alarm.
Kettle alarm.
Theft alarm.
Thermostatic alarm.
Valve alarm.
Alarm. C. L. Flagg. 1,824,473; Sept. 22.
Alarm. S. S. Newman. 1,828,979; Oct. 27.
Alarm, Actuating device. R. B. Blair and A. M. Roach. 1,815,941; July 28.
Alarm and indicator, Mercoid. D. R. Yarnall. 1,833,630; Nov. 24.
Alarm and lock therefor, Burglar. E. Bellman. 1,808,491; June 2.
Alarm apparatus for speedometers for vehicles. P. A. Kourtzman. 1,827,989; Oct. 20.
Alarm box, Non-interfering. S. W. Alderfer. 1,803,277; Apr. 28.
Alarm boxes, Detention appliance for fire-. F. Wisniewski. 1,789,797; Jan. 20.
Alarm device for baling presses. F. D. Jones. 1,838,838; Dec. 29.
Alarm for automobiles, Automatic burglar. S. L. Mathews. 1,815,206; July 21.
Alarm for safes, Burglar. F. L and H. C. Husted. 1,823,740; Sept. 15.
Alarm for sprinkler systems. J. R. Hamilton. 1,822,654; Sept. 8.
Alarm or signal for boilers. F. J. Mildenberger. 1,811,800; June 23.
Alarm signal. M. J. Davis. 1,810,162; June 16.
Alarm-sounding device. E. H. Daggett. 1,800,512; Apr. 14.
Alarm switch. S. Nottingham. 1,838,233; Dec. 29.
Alarm switch. C. O. Peterson. 1,821,318; Sept. 1.
Alarm switch, Gas flow. L. De Simone and G. Ciriacono. 1,808,100; June 2.
Alarm switch operating mechanism, Time. M. E. Trager. 1,801,699; Apr. 21.
Alarm system. A. F. Bennett and C. E. Mitchell. 1,792,479; Feb. 17.
Alarm system. R. O. Harrell. 1,801,198; Apr. 14.
Alarm system and cumulative control device therefor. R. M. Hopkins. 1,829,721; Oct. 27.
Alarm system, Burglar. H. V. Robbins and J. O'Connell. 1,818,162; Aug. 11.
Alarm time switch. A. M. De Jeu. 1,811,281; June 23.
Alarms, Apparatus for sounding. M. C. Armstrong. 1,835,452; Dec. 8.
Alarms, Controlling device for burglar and fire. P. C. Ko Eune. 1,798,207; Mar. 31.
Albumin and sugar from milk whey, Extracting. E. M. Meyer. 1,787,754; Jan. 6.
Alcohol and acetone fermentation process, Butyl. F. J. Funk. 1,822,139; Sept. 8.
Alcohol and commercially-pure powdered hydrated lime, Preparing absolute. W. H. Engels. 1,790,907; Feb. 3.
Alcohol and liquid hydrocarbons by synthesis, Simultaneous production of methyl. G. Patart. 1,836,085; Dec. 15.
Alcohol and other oxygenated organic compounds, Manufacture of methyl. M. Pier. 1,823,468; Sept. 15.
Alcohol, Apparatus for the dehydration of impure ethyl. E. Ricard. 1,830,408; Nov. 3.
Alcohol, Apparatus for the distillation of. E. I. Clapp. 1,835,848; Dec. 8.
Alcohol by fermentation, Manufacturing. S. D. Wells. 1,823,014; Sept. 15.
Alcohol, Dehydrating. O. Von Keussler and D. Peters. 1,808,271; June 2.
Alcohol, Denatured. L. Schlecht and H. Roetger. 1,836,731; Dec. 15.
Alcohol evolved by bread baking ovens, Apparatus for the recovery of the. N. de Navrotzky. 1,822,804; Sept. 8.
Alcohol from alcoholic caustic fusions, Recovering. C. A. Lyford. 1,824,610; Sept. 22.
Alcohol from aldehydes, Production of. E. C. Kunz. 1,802,472; Apr. 28.
Alcohol from olefines, Production of. S. R. Merley. 1,809,788; June 9.
Alcohol, Manufacture of butyl. K. Vierling. 1,802,163; Apr. 21.
Alcohol, Manufacture of secondary amyl. H. S. Davis and W. J. Murray. 1,790,523; Jan. 27.
Alcohol obtained from fermented mash, Process and apparatus for the simultaneous distillation, purifying, and dehydration of. E. Ricard, P. Savarit, and H. M. Guinot. 1,822,454; Sept. 8.
Alcohol obtained from fermented mash, Process for the simultaneous distillation, purifying, and dehydration of. E. Ricard, P. Savarit, and H. M. Guinot. 1,822,455; Sept. 8.
Alcohol process, Absolute. D. B. Keyes. 1,830,469; Nov. 3.
Alcohol, Production of cetyl. M. A. Youtz. 1,814,654; July 14.
Alcohol saver. E. A. Erickson. 1,801,229; Apr. 14.
Alcohol, Simultaneous dehydration and purifying of. E. Ricard. 1,831,425; Nov. 10.
Alcoholate and making same. F. Kaufler and H. G. Stangler. 1,793,935; Feb. 24.
Alcoholic derivatives of olefine-bearing substances, Preparation of. H. S. Davis. 1,790,518; Jan. 27.
Alcoholic liquids, Dealcoholizing. H. Heuser. 1,796,022; Mar. 10.
Alcohols and ketones, Forming cyclic. W. A. Lazier. 1,829,869; Nov. 3.
Alcohols and making same, Arsenophenyl amino. R. Adams and C. W. Rodewald. 1,801,535; Apr. 21.
Alcohols, Condensing. E. E. Reid. 1,821,667; Sept. 1.
Alcohols from aldehydes, Making. C. T. Ho. 1,802,468; Apr. 28.
Alcohols from oil, Separating. T. A. Werkenthin. 1,824,521; Sept. 22.
Alcohols from pine oil, Separating secondary. I. W. Humphrey. 1,800,862; Apr. 14.
Alcohols, Purification of synthetic. J. R. Park. 1,833,331; Nov. 24.
Alcohols, Separation of secondary. S. R. Merley. 1,835,571; Dec. 8.
Alcohols, Substituted guanidine. W. Schoeller and H. Schotte. 1,805,889; May 19.
Aldehyde-amine condensation products and preparing same. S. M. Cadwell and A. T. Maximoff. 1,804,398; May 12.
Aldehyde-amines, Treatment of. S. I. Strickhouser. 1,805,194; May 12.
Aldehyde base and manufacture of same. C. Mannich. 1,824,676; Sept. 22.
Aldehydes from propenyl derivatives of aromatic hydrocarbons, Production of. J. Ehrlich. 1,801,416; Apr. 21.
Aldehydic group into cyclic compounds, Introducing an. G. Kalischer, H. Scheyer, and K. Keller. 1,807,693; June 2.

Aldol condensation products and vulcanization of caoutchouc therewith. L. B. Sebrell. 1,809,454; June 9.
Alfalfa hay and other vegative products, Curing. E. B. Cushman. 1,816,998; Aug. 4.
Alfalfa mill. P. V. Jali and F. C. Worrall. 1,798,676; Mar. 31.
Alginates in finely divided form derived by spray drying dilute solutions thereof. M. J. Walsh. 1,814,986; July 14.
Aliment forming device. M. D. Ainslie. 1,825,844; Oct. 6.
Aliment forming device. J. C. Bergner. 1,839,180; Dec. 29.
Alimentary substance and its manufacture. C. Magat. 1,815,519; July 21.
Alining device, Cuff creasing and buttonhole. J. W. Steele. 1,831,205; Nov. 10.
Alkali and alkaline earth metals, Electrolytic production of. J. J. Grebe and R. H. Boundy. 1,826,773; Oct. 13.
Alkali cellulose, Preparing. H. P. Bassett. 1,831,647; Nov. 10.
Alkali metal alcoholates, Preparing. P. Halbig and F. Kaufler. 1,816,843; Aug. 4.
Alkali metal derivatives of organic compounds, Preparation of. J. Pfleger and E. Scheller. 1,816,911; Aug. 4.
Alkali-metal hydrides, Manufacture of. H. Freudenberg and H. Kloepfer. 1,796,265; Mar. 10.
Alkali-metal salts of mercuri-brom-fluorescein. W. L. Vogel. 1,789,204; Jan. 13.
Alkali metal tube. J. W. Marden and E. A. Lederer. 1,835,118; Dec. 8.
Alkali metals and alkaline earthern metals, Preparing. J. H. De Boer. 1,797.131; Mar. 17.
Alkali metals into evacuated containers, Introduction of. J. W. Marden. 1,835,117; Dec. 8.
Alkali phosphates from compounds of metal and phosphorus, Production of. B. v. G. Conway, H. Weidmann, and G. Roesner. 1,807,766; June 2.
Alkali stick, Caustic. H. A. Fales. 1,816,043; July 28.
Alkali sulphates, Production of. T. Thorssell and A. Kristensson. 1,794.259; Feb. 24.
Alkalinity in synthetic base-exchanging materials, Removing excess. J. G. Vail. 1,833,505; Nov. 24.
Alkaloids, Producing. A. Hogstad, jr. 1,815,302; July 21.
Alkyl-isopropylene-phenols and making same. H. Jordan. 1,816,286; July 28.
Alkyl-isopropylene-phenols, Producing. H. Jordan. 1,816,287; July 28.
Alkylolamine salts of aliphatic acids and sulphonated fatty acids. J. G. Kern and C. J. Sala. 1,799,821; Apr. 7.
Alkylolamine salts of sulphonated compounds. J. G. Kern and C. J. Sala. 1,799,824; Apr. 7.
Alkyl oxides. Process of and apparatus for producing. J. Weber, H. Schrader, and E. Wiedbrauck. 1,792,668; Feb. 17.
Alkylphenols, Production of. W. Schoeller, H. Jordan, and R. Clerc. 1,805,555; May 19.
Alkyl-quinolyl-amino-phenyl carboxylic acids. K. Desamari. 1,810,267; June 16.
Alkyl sulphates, Preparation of secondary. H. S. Davis. 1,790.520; Jan 27.
Alkyl sulphates, Preparing. R. de M. Taveau. 1,810,192; June 16.
Alligator wrench. J. Rubalcaba. 1,808.821; June 9.
Alloy. H. Klausmann and H. R. Kiepe. 1,797,236; Mar. 24.
Alloy. R. H. Leach. 1,829.903; Nov. 3.
Alloy. A. E. MacFarland. 1,800,691; Apr. 14.
Alloy. W. E. Ruder. 1,833.723; Nov. 24.
Alloy. R. R. Walter. 1,811,068; June 23.
Alloy. V. Wyldes. 1,838,126; Dec. 29.
Alloy, Aluminum. E. Strasser. 1.788,751; Jan. 13.
Alloy and articles made thereof, Sintered hard metal. B. Strauss. 1,812,811; June 30.
Alloy and making same, Light-metal. E. C. Burdick. 1,788,616; Jan. 13.
Alloy and preparing same. H. S. Cooper. 1,816,961; Aug. 4.
Alloy and producing same, Stainless chromium. C. W. Carman. 1,809.437; June 9.
Alloy and treating same, Copper. M. G. Corson. 1,792.146; Feb. 10.
Alloy, Bearing. J. V. O. Palm and E. C. Knuth. 1,807,670; June 2
Alloy composition. M. G. Corson. 1,835,205; Dec. 8.
Alloy containing copper and nickel, Lead-bearing. E. Abel. 1,795.633; Mar. 10.
Alloy, Copper-silicon. E. Vaders. 1.792.944; Feb. 17.
Alloy, Electrical resistance. W. B. Driver and S. R. Keith. 1,803,467–8; May 5.
Alloy for electrical contacts. E. F. Kingsbury. 1,832,307; Nov. 17.
Alloy for manufacture of cast iron. A. F. Meehan. 1,790,552; Jan. 27.
Alloy for pistons, Magnesium. W. Schmidt. 1,793,023; Feb. 17.
Alloy for swaged dentures, Dental. F. Maulen. 1,807,068; May 26.
Alloy for turbine blades and machine parts exposed to similar conditions. W. Rohn. 1,807,554; May 26.
Alloy, Hard facing. E. C. Belding. 1,811,487; June 23.
Alloy, in particular those with a high beryllium content by means of fused liquid electrolysis. Production of beryllium. H. Fischer. 1,813,919; July 14.
Alloy, Lead. R. J. Shoemaker. 1,791,148; Feb. 3.
Alloy, Lead. R. J. Shoemaker. 1,815,528; July 21.
Alloy, Magnetic. S. Beckinsale. 1,838.130; Dec. 29.
Alloy, Magnetic. H. F. Porter. 1,803,353; May 5.
Alloy, Manufacture of aluminum silicon. H. Schorn. 1,835,244; Dec. 8.
Alloy, Manufacture of magnetic. W. S. Smith, H. J. Garnett, Poppleford, and W. F. Randall. 1,811,032; June 23.
Alloy metal for bearings. W. Mathesius and M. W. Neufeld. 1,804,883; May 12.
Alloy, Nonferrous. R. L. Binney. 1,811,682; June 23.
Alloy, Non-ferrous. J. B. Grenagle. 1,831,241; Nov. 10.
Alloy, Nonferrous. W. B. Price. 1,815,071; July 21.
Alloy steel. W. R. Breeler. 1,831,946; Nov. 17.
Alloy steel, Tough stable-surface. S. M. Stoody. 1,790,177; Jan. 27.
Alloy, Zinc. L. E. Wemple and F. A. Warren. 1,789,854; Jan. 20.
Alloy, Zinc base. P. J. Morell. 1,815,479; July 21.
Alloys and process for improving workability of same. N. B. Pilling. 1,824,966; Sept. 29.
Alloys, Apparatus for electrolytically producing metal. E. Kelsen. 1,804,101; May 5.
Alloys, Corrosion resistant. R. Franks. 1,836.317; Dec. 15.
Alloys, Electrodeposition of. R. M. Burns and C. W. Warner. 1,837,355; Dec. 22.
Alloys, Forging magnesium. G. Michel. 1,816,983; Aug. 4.
Alloys for the purpose of removing therefrom certain constituents whose presence renders the alloys unsuitable for certain uses, Treating waste. P. Kemp. 1,819.607; Aug. 18.
Alloys, Making. W. P. Davey. 1,829,635; Oct. 27.
Alloys, Making rustless iron. F. M. Becket and J. H. Critchett. 1,793,153; Feb. 17.
Alloys, Making tungsten-carbide. J. T. Terry. 1,792,943; Feb. 17.
Alloys, Manufacture of aluminum-silicon. E. Mathieu, R. Perrin, A. Greffe, and S. Cavalieri. 1,831,023; Nov. 10.
Alloys of lead and antimony. P. Kemp. 1,807,788; June 2.
Alloys, Producing and refining. H. F. Porter. 1,803,809; May 5.
Alloys, Production of beryllium. L. J. Keeler. 1,790,155; Jan. 27.
Alloys, Treatment of nonferrous. E. M. Wise. 1,816,509; July 28.
Almond sizing and separating machine. H. T. Johnson. 1,799.751; Apr. 7.
Alpha-alpha-diaminopyridine, Manufacturing. K. Philipp. 1,789,022; Jan. 13.
Alpha- and beta-anthraquinones, Separation of substituted. H. A. E. Drescher, W. Smith, and J. Thomas. 1,812,260; June 30.
Alternating current signaling system. F. E. Pernot. 1,821,114; Sept. 1.
Alternators, System for parallel operation of. J. L. Finch. 1,821,935; Sept. 8.
Altimeter. L. Bélugou. 1,830,419; Nov. 3.
Alumina and phosphates, Obtaining. F. Rothe and H. Brenek. 1,810,402; June 16.
Alumina from aluminiferous substances, Producing. M. Buchner. 1,792.410; Feb. 10.
Alumina, Preparation of. W. J. Muller and H. Hiller. 1,826,895; Oct. 13.
Alumina, Purifying. B. T. Horsfield. 1,798,261; Mar. 31.
Aluminum alloy. H. C. Hall and T. F. Bradbury. 1,813,850; July 7.
Aluminum alloy. W. Morrill. 1,829,668; Oct. 27.
Aluminum alloy. C. S. Taylor and J. D. Edwards. 1,830,142; Nov. 3.
Aluminum alloy article, Corrosion resistant. F. C. Frary. 1,805,448; May 12.
Aluminum alloy, Coloring. A. Pacz. 1,838,633; Dec. 29.
Aluminum and aluminum alloys, Manufacture of. T. R. Haglund. 1,833,076; Nov. 24.
Aluminum-base alloy. T. W. Bossert and J. A. Nock, jr. 1,797,851; Mar. 24.
Aluminum-base alloy and piston made therefrom. R. S. Archer and L. W. Kempf. 1,799,837; Apr. 7.
Aluminum base alloys which are subject to growth, Treating. R. S. Archer and W. L. Fink. 1,822,877; Sept. 15.
Aluminum, Casting blooms of. E. P. McClure. 1,792,545; Feb. 17.
Aluminum chloride free from iron, Production of. J. Brode. 1,837,199; Dec. 22.
Aluminum chloride from the residue of aluminum chloride oil refining, Recovery of. B. E. Carl and W. S. Austin. 1,835,279; Dec. 8.
Aluminum chloride, Making. A. M. McAfee. 1,814,397; July 14.
Aluminum chloride, Manufacture of. A. McD. McAfee. 1,833,430; Nov. 24.
Aluminum chloride, Manufacturing anhydrous. G. F. Brindley. 1,818,839; Aug. 11.
Aluminum, Electrolytic refining of. J. Weber and A. von Zeerleder. 1,833,806; Nov. 24.
Aluminum fluoride, Precipitation of. J. E. Morrow. 1,797,994; Mar. 24.
Aluminum, magnesium and their alloys against corrosion, Process and product for protecting. C. Boulanger. 1,811,298; June 23.

Aluminum oxide or products containing aluminum oxide out of material containing aluminum sulphide, Production of. T. R. Haglund. 1,797,655; Mar. 24.
Aluminum, Plating. L. Schulte. 1,791,642; Feb. 10.
Aluminum sections, Apparatus for shearing. W. F. Naylor, B. Field, and E. L. Sponseller. 1,826,016; Oct. 6.
Aluminum, Treatment of. M. K. De Trairup. 1,827,142; Oct. 13.
Amalgam carrier. C. S. Ivory. 1,797,866; Mar. 24.
Amalgamator. R. Luckenbach. 1,807,162; May 26.
Amalgamator. L. D. Stephenson. 1,805,930; May 19.
Amalgamator. C. S. White. 1,787,923; Jan. 6.
Amalgamator machine and method. A. R. Morrison. 1,830,125; Nov. 3.
Amalgams to be used in dentistry, Producing. E. W. Fischer and E. W. J. Virgin. 1,803,386; May 5.
Ambulant discharge device. L. C. Brosemer. 1,839,081; Dec. 29.
Amines as rubber coagulants, Use of. A. J. Gracia. 1,797,192; Mar. 17.
Amines containing the 1-amino-2-hydroxy-propyl residue, Tertiary. H. Jensch. 1,790,096; Jan. 27.
Amines from alcohols and ammonia, Catalytic synthesis of. H. R. Arnold. 1,799,722; Apr. 7.
Amines, Sulphonation of aromatic. A. R. Murphy and J. B. Oesch. 1,794,861; Mar. 3.
Aminoanthraquinone derivatives and making same. O. Bally and P. Grossmann. 1,828,588; Oct. 20.
Amino carbazole and its derivatives, Diazotization of. F. Ballauf, F. Muth, and A. Schmelzer. 1,807,682; June 2.
Amino compounds, Preparing. J. Klarer and F. Mietzsch. 1,793,176; Feb. 17.
Amino-1,1'-anthrimidcarbazols, New. W. Mieg, O. and F. Baumann. 1,809,212; June 9.
Amino pyridines, Producing. V. V. Utgoff, 1,832,799; Nov. 17.
Ammeter. J. E. Eshbaugh. 1,805,447; May 12.
Ammeter. F. E. Haskell. 1,800,999; Apr. 14.
Ammonia and hydrogen sulphide from industrial gases, Simultaneous absorption of. C. Hansen. 1,795,120; Mar. 3.
Ammonia and other products from coke oven gases, Recovery of. S. P. Miller. 1,826,561; Oct. 6.
Ammonia, Apparatus for the oxidation of. J. Y. Yee. 1,821,956; Sept. 8.
Ammonia by catalysis, Making. F. W. de Jahn. 1,815,243; July 21.
Ammonia from gases, Separating. J. P. Wetherill, 3d. 1,834,814; Dec. 1.
Ammonia oxidation equipment and the use thereof for the manufacture of sulphuric acid. A. M. Fairlie. 1,800,786; Apr. 14.
Ammonia, Process for the direct synthesis of. F. A. Ernst. 1,832,972; Nov. 24.
Ammonia, Producing. F. Lawaczeck. 1,815,410; July 21.
Ammonia, Production of. L. C. Jones. 1,830,167; Nov. 3.
Ammonia recovery. C. C. Heritage and I. T. Thornton. 1,832,485; Nov. 17.
Ammonia such as ammonium sulphate from gases, Obtaining. F. Sommer. 1,837,079; Dec. 15.
Ammoniacal solutions, Regeneration of carbonated. A. Gosselin. 1,790,303; Jan. 27.
Ammonium chloride, Manufacture of. D. L. Jacobson. 1,831,864; Nov. 17.
Ammonium nitrate, Manufacturing. R. N. Boyd. 1,811,712; June 23.
Ammonium nitrate sensitized by amino compounds. W. O. Snelling and J. A. Wyler. 1,827,675; Oct. 13.
Ammonium phosphate, Manufacture of. I. Hechenbleikner. 1,790,503; Jan. 27.
Ammonium sulphate nitrate, Producing. H. H. Meyers. 1,801,677; Apr. 21.
Ammonium sulphate, Production of. F. A. F. Pallemaerts and A. I. Lebrun. 1,816,123; July 28.
Ammunition. C. A. Burghardt. 1,834,377–8; Dec. 1.
Ammunition. T. F. Werme. 1,808,513; June 2
Ammunition. W. H. Woodford. 1,834,364; Dec. 1.
Ammunition carrier. C. Hudkins. 1,800,731; Apr. 14.
Ammunition clips, Forming. J. D. Pedersen. 1,834,638; Dec. 1.
Ammunition-feed box. R. C. Coupland. 1,799,283; Apr. 7.
Ammunition for signal pistols. L. L. Driggs, jr., and H. B. Faber. 1,823,390; Sept. 15.
Amphibolic products, Making synthetic. G. E. Seil. 1,807,178; May 26.
Amplification system. E. W. Fearing. 1,814,247; July 14.
Amplifier. J. Bethenod. 1,824,591; Sept. 22.
Amplifier. R. L. Davis and D. G. Little. 1,806,281; May 19.
Amplifier and detector, Thermionic. H. J. Round. 1,811,095; June 23.
Amplifier and oscillation generator, Thermionic. H. J. Round. 1,819,845; Aug. 18.
Amplifier coupling. H. P. Donle. 1,789,673; Jan. 20.
Amplifier coupling. H. P. Donle. 1,815,023; July 14.
Amplifier for short electric waves. G. C. Southworth. 1,796,486; Mar. 17.
Amplifier, Glow discharge. J. M. Schmierer. 1,838,871; Dec. 29.
Amplifier, High frequency. P. J. Townsend. 1,808,150; June 2.
Amplifier, Nonsinging. O. O. Ceccarini. 1,795,474; Mar. 10.
Amplifier, Non-singing. G. H. Stevenson. 1,832,261; Nov. 17.
Amplifier, Quadruplex. E. A. Willson, H. F. Woodman, and E. Greig. 1,821,490; Sept. 1.
Amplifier, Signal shaping. E. T. Burton. 1,836,574; Dec. 15.
Amplifier, Sound. A. I. Abraham. 1,835,739; Dec. 8.
Amplifier, Sound. C. W. Hicks. 1,821,469; Sept. 1.
Amplifier, Sound. C. A. Linton. 1,797,528; Mar. 24.
Amplifier, Sound. J. P. Sullivan. 1,825,166; Sept. 29.
Amplifier system, Electrical. S. Y. White. 1,789,664; Jan. 20.
Amplifier system, Thermionic. B. B. Minnium. 1,813,067; July 7.
Amplifier tube. S. Loewe. 1,787,912; Jan. 6.
Amplifier unit, Voltage supply and power. L. G. Pacent. 1,803,040; Apr. 28.
Amplifier, Vapor electric. T. S. Farley. 1,830,599; Nov. 3.
Amplifiers, Making sound. J. B. Hawley. 1,819,328; Aug. 18.
Amplifiers, Method and apparatus for measuring the amplification ratio of electric. T. Laurent. 1,831,744; Nov. 10.
Amplifying apparatus. B. J. Thompson. 1,791,435; Feb. 3.
Amplifying apparatus, High-frequency. W. L. Carlson and K. A. Chittick. 1,801,138; Apr. 14.
Amplifying method and apparatus. C. F. Chisholm. 1,837,851; Dec. 22.
Amplifying system. P. D. Andrews. 1,817,795; Aug. 4.
Amplifying system. W. L. Carlson and R. S. Holmes. 1,792,274; Feb. 10.
Amplifying system. C. A. Culver. 1,822,922; Sept. 15.
Amplifying system. W. T. Holden. 1,833,968; Dec. 1.
Amplifying system. A. W. Hull. 1,832,707; Nov. 17.
Amplifying system. T. H. Kinman. 1,795,172; Mar. 3.
Amplifying system. V. D. Landon. 1,832,640; Nov. 17.
Amplifying system. R. A. Miller. 1,816,862; Aug. 4.
Amplifying system. E. Peterson. 1,821,076; Sept. 1.
Amplifying system. A. D. Silva. 1,828,688; Oct. 20.
Amplifying system. A. H. Taylor. 1,834,229; Dec. 1.
Amplifying system. H. Whittle and A. J. Christopher. 1,795,914; Mar. 10.
Amplifying system. A. P. Young and J. Hutt. 1,814,849; July 14.
Amplifying system, Short-wave. R. A. Heising. 1,788,521; Jan. 13.
Amplifying system, Sound. M. Weil. 1,820,996; Sept. 1.
Amusement and exercising device. J. McGavin. 1,826,944; Oct. 13.
Amusement and other purposes, Apparatus for. A. Gueydan. 1,836,115; Dec. 15.
Amusement apparatus. L. L. Custer. 1,799,409; Apr. 7.
Amusement apparatus. W. J. Mahoney. 1,805,337; May 12.
Amusement apparatus. L. La Rizza. 1,795,610; Mar. 10.
Amusement apparatus. R. dos Santos. 1,834,238; Dec. 1.
Amusement apparatus. T. W. B. Watling. Des. 85,562; Nov. 10.
Amusement apparatus, Acquatic. F. V. Andre and H. A. Davis. 1,804,075; May 5.
Amusement coaster railway. H. G. Traver. 1,805,266; May 12.
Amusement device. D. D. Anderson. 1,827,344; Oct. 13.
Amusement device. V. Bafaro. 1,792,407; Feb. 10.
Amusement device. W. F. Drew and J. W. Martinet. 1,829,266; Oct. 27.
Amusement device. L. B. Elliott. Des. 84,686; July 21.
Amusement device. L. Eynon. 1,789,260; Jan. 13.
Amusement device. E. L. Fish. 1,791,493; Feb. 10.
Amusement device. F. L. Fox and F. C. Gibson. 1,800,934; Apr. 14.
Amusement device. J. Grantonic. 1,833,570; Nov. 24.
Amusement device. J. E. Gwinnett. 1,789,680; Jan. 20.
Amusement device. C. Jacobs. Des. 85,335; Oct. 13.
Amusement device. J. F. Jeckert. 1,832,711; Nov. 17.
Amusement device. L. La Rizza. 1,803,397; May 5.
Amusement device. L. H. McDaniel. 1,837,055; Dec. 15.
Amusement device. J. L. Meehan. 1,811,758; June 23.
Amusement device. A. Miller. 1,814,520; July 14.
Amusement device. N. Myre. 1,811,092; June 23.
Amusement device. D. H. Scott and H. D. Stoneback. 1,833,540; Nov. 24.
Amusement device. F. G. Scott. 1,794,036; Feb. 24.
Amusement device. C. V. Shipley. 1,835,908; Dec. 8.
Amusement device. F. A. Shenker and I. Weissberg. Des. 85,774; Dec. 15.
Amusement device. F. W. Smith. 1,836,289; Dec. 15.
Amusement device. B. B. Uber. 1,811,812; June 23.
Amusement device. L. P. Ward. 1,831,757; Nov. 10.
Amusement pipe. R. C. Hitt. 1,793,852; Feb. 24.
Amusement ride. J. Irsch. 1,824,720; Sept. 22.
Amusement ride. F. L. Mayberry. 1,815,860; July 21.
Amusement ride. H. G. Traver. 1,806,102; May 19.
Amusement ride. H. G. Traver. 1,823,010; Sept. 15.
Amusement ride. H. G. Traver. 1,827,303; Oct. 13.
Amyl-cresols and process for making. J. Marshall. 1,789,410; Jan. 20.
Anæsthetic holding and heating accessory. A. G. McGregor. 1,829,600; Oct. 27.
Anæsthetic, Local. H. C. Brill. 1,817,670; Aug. 4.
Anæsthetizing apparatus. J. A. Heidbrink. 1,802,601; Apr. 28.

Anæsthetizing apparatus. J. A. Heidbrink. 1,817,485; Aug. 4.
Analgeso-hypnotic composition. W. M. Lauter. 1,797,428; Mar. 24.
Analyzing and control system and apparatus therefor, Automatic. A. C. Harrison. 1,811,233; June 23.
Anchor. T. Birkenmaier. 1,791,185; Feb. 3.
Anchor. T. Birkenmaier. 1,819,762; Aug. 18.
Anchor. T. Birkenmaier and L. P. Boll. 1,795,327; Mar. 10.
Anchor. R. W. Gibb. 1,836,586; Dec. 15.
Anchor. A. J. Hutchings. 1,816,433; July 28.
Anchor. W. O. Isaacson. 1,819,512; Aug. 18.
Anchor. R. E. McIntosh and A. R. Van Tassell. 1,795,279; Mar. 3.
Anchor. F. T. Pelkey. 1,804,273; May 5.
Anchor and lock, Stovepipe. R. B. Cross. 1,803,894; May 5.
Anchor and using the same, Furring strip. W. C. Krabiel. 1,816,226; July 28.
Anchor, Automobile parking. S. J. Cullen. 1,839,142; Dec. 29.
Anchor, Bolt. C. W. Gerry. 1,792,974; Feb. 17.
Anchor, bridle ring, and cable clamp, Hammer-drive bolt. H. W. Pleister. 1,799,245; Apr. 7.
Anchor, Buck. C. W. Prickett. 1,810,224; June 16.
Anchor, Builder's straight-wire. S. J. McSpadden. 1,799,054; Mar. 31.
Anchor casting and weighing apparatus. F. Schauman. 1,799,257; Apr. 7.
Anchor, Fence. P. Shepard. 1,809,947; June 16.
Anchor, Fence. R. G. Williams. 1,828,350; Oct. 20.
Anchor, Fence and post. M. C. Thom. 1,821,125; Sept. 1.
Anchor for furnace linings. I. S. Pieters. 1,828,618; Oct. 20.
Anchor for guy wires, Ground. A. T. Green and R. G. Shaw. 1,796,147; Mar. 10.
Anchor for night candle or similar article. G. Gisolfi. Des. 83,100; Jan. 20.
Anchor for railway cars, Running board. J. McMullen. 1,814,519; July 14.
Anchor for terminal rings of measuring tapes. A. Langsner. 1,798,476; Mar. 31.
Anchor for typewriters. L. Foval. 1,809,685; June 9.
Anchor for vencered concrete structures. C. E. Handel. 1,794,684; Mar. 3.
Anchor insert. C. A. Kinninger. 1,833,998; Dec. 1.
Anchor-manipulating apparatus. M. J. Wennerstrom. 1,800,851; Apr. 14.
Anchor, Marsh. C. H. Croney. 1,838,745; Dec. 29.
Anchor means for stucco material, Fabricated. R. M. Nunn. 1,798,381; Mar. 31.
Anchor or anticreeper, Railway rail. A. S. McDonnell. 1,817,455; Aug. 4.
Anchor, Plaster. I. A. Baum. 1,813,225; July 7.
Anchor plate. J. W. Farley. 1,798,152; Mar. 31.
Anchor post. C. J. Mullett. 1,791,368; Feb. 3.
Anchor, Rail. C. S. Ammerman. 1,791,183; Feb. 3.
Anchor, Rail. R. A. Blair. 1,799,723; Apr. 7.
Anchor, Rail. J. A. Bodkin. 1,787,811; Jan. 6.
Anchor, Rail. B. W. Coghlin and G. Picard. 1,790,899; Feb. 3.
Anchor, Rail. A. F. Fifield. Re17,952; Feb. 3.
Anchor, Rail. A. F. Fifield. 1,791,492; Feb. 10.
Anchor, Rail. C. T. Hoffman. 1,802,895–6; Apr. 28.
Anchor, Rail. P. W. Moore. 1,835,800; Dec. 8.
Anchor, Rail. G. L. Moore and J. R. Steele. 1,830,477; Nov. 3.
Anchor, Rail. F. A. Preston. 1,817,097; Aug. 4.
Anchor, Rail. C. B. Shepherd. 1,812,414; June 30.
Anchor, Rail. E. A. Skowron. 1,829,913; Nov. 3.
Anchor, Rail. H. G. Warr. 1,818,022; Aug. 11.
Anchor, Rail joint. H. Stephens. 1,835,820; Dec. 8.
Anchor ring. J. A. Lund. 1,788,116; Jan. 6.
Anchor, Rope. J. C. Hayes. 1,810,242; June 16.
Anchor, Steel and iron post. W. McCallen. 1,831,678; Nov. 10.
Anchor, Studding. F. C. Kummer. 1,791,135; Feb. 3.
Anchor, Tie plate. T. F. Von Dorn. 1,830,304; Nov. 3.
Anchor, Two piece railway rail. T. F. Von Dorn. 1,827,630; Oct. 13.
Anchorage. B. J. Povalski. 1,827,762; Oct. 20.
Anchorage. H. Rosenberg. 1,814,965; July 14.
Anchorage. H. Rosenberg. 1,834,871; Dec. 1.
Anchorage. W. H. Wheeler and J. C. Logan. 1,809,464–5; June 9.
Anchorage device. R. F. Hill. 1,823,428; Sept. 15.
Anchorage device. R. S. Peirce. 1,821,400; Sept. 1.
Anchorage device. H. Rosenberg. 1,789,660; Jan. 20.
Anchorage device. H. Rosenberg. 1,817,584; Aug. 4.
Anchorage devices. H. Rosenberg. 1,814,966; July 14.
Anchorage element for partition panels. F. S. Robinson. 1,802,035; Apr. 21.
Anchorage, Resilient rail. I. O. Mall. Re17,947; Feb. 3.
Anchoring device. L. H. Davis. 1,831,098; Nov. 10.
Anchoring device. R. Dinklage. 1,804,918; May 12.
Anchoring device. E. S. Evans. 1,822,648; Sept. 8.
Anchoring device. M. E. Hartzler and E. P. Romilly. 1,798,468; Mar. 31.
Anchoring device. F. Michalicek. 1,807,488; May 26.
Anchoring device, Expansion. H. Baranoff. 1,788,270; Jan. 6.
Anchoring means for portable tool supports. J. Jensen. 1,826,937; Oct. 13.
Anchoring, Under water. K. Schroeder. 1,831,426; Nov. 10.
Anchors, Apparatus for manufacturing rail. N. E. Sampson. 1,790,951; Feb. 3.
Angle bar bending machine. J. Jensen. 1,804,468; May 12.
Angle bars, Renewing worn. G. Langford. Re18,011; Mar. 24.
Angle cord grip cap. H. Hubbell, jr. 1,817,004; Aug. 4.
Angle finder, Interalveolar. G. W. Clapp. 1,800,714; Apr. 14.
Angle measurer, Vertical and horizontal. J. Schier. 1,829,614; Oct. 27.
Angle plate. F. McMahon. 1,793,112; Feb. 17.
Angle projection, Wide. W. G. Wolfe. 1,802,099; Apr. 21.
Angler packet. C. J. Hazlitt. 1,824,481; Sept. 22.
Anhydride, Comminuted crystalline phthalic. L. C. Daniels and C. J. Schwindt. 1,789,967; Jan. 27.
Anhydride, Flaked phthalic. H. B. Foster. 1,817,304; Aug. 4.
Anhydride, Manufacturing acetic. G. P. Lunt. 1,819,563; Aug. 18.
Anhydride, Manufacturing acetic. R. Meingast and M. Mugdan. 1,817,318; Aug. 4.
Anhydrides of aliphatic acids, Manufacture of. H. Dreyfus. 1,817,614; Aug. 4.
Aniline-crotonaldehyde condensation product. C. O. North and C. W. Christensen. 1,832,415; Nov. 17.
Animal dip. K. Brodersen and W. Ext. 1,789,668; Jan. 20.
Animal fiber and the product, Treatment of. A. P. Furman. 1,811,119; June 23.
Animal fibers, Treatment of. A. Ferretti. 1,827,356; Oct. 13.
Animal fibers, Treatment of. A. MacKay. 1,833,029; Nov. 24.
Animal form for automobile radiator fixture, display or ornamental purposes, Modernistic. B. Brenner and E. Haskell. Des. 83,843; Apr. 7.
Animal form for automobile radiator fixture, display or ornamental purposes, Modernistic. B. Brenner and E. Haskell. Des. 83,950–1; Apr. 21.
Animal, Mechanical. C. Thompson. 1,836,203; Dec. 15.
Animal pests, Destruction of. W. Beck. 1,819,145; Aug. 18.
Animal-racing device. A. Fay and J. L. Zehnder. 1,812,473; June 30.
Animal releasing and frightening means. J. Liginski. 1,817,415; Aug. 4.
Animal restraining device. H. M. Rinehart. 1,833,759; Nov. 24.
Animal shears. T. H. Troy. 1,804,963; May 12.
Animal skins for tanning, Preparing. E. J. Maguire. 1,822,898; Sept. 15.
Animal trap. J. M. Abeel. 1,791,651; Feb. 10.
Animal trap. J. Baranski. 1,798,717; Mar. 31.
Animal trap. R. L. Bohannon. 1,815,541; July 21.
Animal trap. T. Booth. 1,837,650; Dec. 22.
Animal trap. S. Brindley. 1,793,356; Feb. 17.
Animal trap. P. W. Brown. 1,793,773; Feb. 24.
Animal trap. J. Bryan. 1,828,486; Oct. 20.
Animal trap. B. E. Clarkson. 1,829,264; Oct. 27.
Animal trap. W. Cooper. 1,831,621; Nov. 10.
Animal trap. M. Csontos and J. Fehér. 1,790,575; Jan. 27.
Animal trap. T. C. Englund. 1,810,163; June 16.
Animal trap. H. H. Hastings. 1,797,685; Mar. 24.
Animal trap. A. S. Hontz. 1,794,958; Mar. 3.
Animal trap. E. Jacobs. 1,810,608; June 16.
Animal trap. A. Joseph. 1,827,019; Oct. 13.
Animal trap. F. Kelp. 1,794,463; Mar. 3.
Animal trap. B. J. Lehuta. 1,826,799; Oct. 13.
Animal trap. V. F. Lyden. 1,796,380; Mar. 17.
Animal trap. W. E. Mackey. 1,790,432; Jan. 27.
Animal trap. H. W. McCreary. 1,832,644; Nov. 17.
Animal trap. F. W. Miller. 1,797,784; Mar. 24.
Animal trap. M. Muhvic. 1,829,602; Oct. 27.
Animal trap. S. Nelson. 1,808,903; June 9.
Animal trap W. L. Orr. 1,797,823; Mar. 24.
Animal trap. G. F. Pisani. 1,807,171; May 26.
Animal trap. W. R. Rice. 1,802,272; Apr. 21.
Animal trap. G. Schilling and A. Howe. 1,799,394; Apr. 7.
Animal trap. J. M. Schiltz. 1,801,821; Apr. 21.
Animal trap. A. Waltner. 1,802,363; Apr. 28.
Animals in various contests of speed, Machine for the purpose of holding and releasing. C. H. Redfern. 1,813,817; July 7.
Animate lure, Artificial. T. A. Keen. 1,801,557; Apr. 21.
Annealing. V. B. Browne. 1,821,493; Sept. 1.
Annealing. F. G. Carrington. 1,812,320; June 30.
Annealing. H. M. Robertson. 1,823,629; Sept. 15.
Annealing apparatus. L. L. Lewis. 1,835,411; Dec. 8.
Annealing apparatus. H. von Forster and E. Lay. 1,838,015; Dec. 22.
Annealing apparatus, Continuous. T. F. Baily. 1,808,152; June 2.
Annealing box. P. E. Hunter. 1,832,933; Nov. 24.
Annealing box. G. B. Nisbet. 1,808,314; June 2.
Annealing furnace. H. Alinder and G. B. Shipley. 1,825,380; Sept. 29.
Annealing furnace. N. G. Girshovitch. 1,816,253; July 28.
Annealing furnace. P. A. Meehan. 1,808,000; June 2.
Annealing pot. C. A. Finn. 1,816,930; Aug. 4.

Annealing pot. C. A. Finn. 1,832,197; Nov. 17.
Annular members, Making. F. A. Haughton. 1,833,747; Nov. 24.
Annular parts, Apparatus for balancing. R. C. Wells and W. F. Kolpin. 1,801,989; Apr. 21.
Annunciator, Electro-mechanical. R. A. Newe. 1,823,332; Sept. 15.
Annunciator or similar article. H. R. Kirkland. Des. 85,048; Sept. 8.
Annunciator system. K. B. Walton. 1,804,902; May 12.
Anode. J. Becker. 1,807,585; June 2.
Ant trap. D. Nettekoven. 1,822,307; Sept. 8.
Ant trap. W. E. Rawlings. 1,791,145; Feb. 3.
Antenna. A. L. Brooks and O. R. Brown. 1,792,964; Feb. 17.
Antenna. I. C. Farber. 1,707,949; Mar. 24.
Antenna. C. W. Hansell. 1,836,069; Dec. 15.
Antenna. S. M. Jester. 1,803,620; May 5.
Antenna. N. E. Lindenblad. 1,821,386–7; Sept. 1.
Antenna. H. O. Peterson. 1,821,402; Sept. 1.
Antenna. G. von Arco and A. Meissner. 1,795,689; Mar. 10.
Antenna array, Directional. J. S. Stone. 1,808,867–9; June 9.
Antenna array, Wave-. A. G. Chapman. 1,790,742; Feb. 3.
Antenna, Folding loop. L. S. Beebe. 1,804,305; May 5.
Antenna for rodio apparatus. R. Cameron. 1,832,093; Nov. 17.
Antenna, Loop. E. Bellini. 1,799,208; Apr. 7.
Antenna, Loop. E. F. Potter. 1,805,846; May 19.
Antenna, Loop. J. H. Pressley. 1,800,750; Apr. 14.
Antenna regulator. J. E. Love. 1,819,904; Aug. 18.
Antenna, Subterranean. R. M. Wyrick. 1,795,534; Mar. 10.
Antenna support. J. W. Mundy and G. E. Bohannon. 1,791,425; Feb. 3.
Antenna system. E. J. Sterba. 1,792,662; Feb. 17.
Antenna system and method. F. A. Kolster and G. G. Kruesi. 1,821,649; Sept. 1.
Antenna, Transmitting. D. J. Stewart. 1,792,193–4; Feb. 10.
Antenna, Underground. L. Klein. 1,837,778; Dec. 22.
Antennæ. C. W. Hansell. 1,806,755; May 26.
Antennæ, Preventing reradiation in. R. A. Weagant and G. A. Somersalo. 1,835,126; Dec. 8.
Anthanthrone and making same, New alkoxy derivatives of. R. Herz and W. Zerweck. 1,805,913; May 19.
Anthanthrone and making same, New derivatives of. R. Herz and W. Zerweck. 1,805,912; May 19.
Anthracene derivatives and preparing them. A. Wolfram and E. Hausdorfer. 1,818,025; Aug. 11.
Anthracene, Purification of crude. L. C. Daniels. 1,831,059; Nov. 10.
Anthraquinone and like products, Making. E. A. Lloyd and V. P. Gershon. 1,826,621; Oct. 6.
Anthraquinone-azines, Production of. P. Nawiasky and L. Eiffiaender. 1,790,109; Jan. 27.
Anthraquinone bodies and preparing the same. W. L. Rintelman. 1,837,837; Dec. 22.
Anthraquinone derivatives and making same. F. Ackermann and C. Apothaker. 1,792,348; Feb. 10.
Anthraquinone derivatives, Production of. E. G. Beckett and J. Thomas. 1,838,523; Dec. 29.
Anthraquinone derivatives, Production of. H. A. E. Drescher, W. Smith, and J. Thomas. 1,818,311; Aug. 11.
Anthraquinone dyestuff. M. Kugel. 1,821,019; Sept. 1.
Anthraquinone intermediates, Manufacture and production of. W. W. Tatum. 1,828,262; Oct. 20.
Anthraquinonyl carbazoles. F. Baumann. 1,791,184; Feb. 3.
Antiaircraft sight. J. C. Karnes. 1,803,939; May 5.
Antibacklash mechanism for rolling-mill trains. P. Capito. 1,790,697; Feb. 3.
Anticapacity switch. C. E. Bohner and A. M. Trogner. 1,829,336; Oct. 27.
Anticreeper for rails. C. P. Hess. 1,824,544; Sept. 22.
Antifreeze composition. D. F. Smith. 1,823,216; Sept. 15.
Antifreeze device for water systems. S. Milone. 1,820,473; Aug. 25.
Antifreeze solution. C. V. McAvoy. 1,798,547; Mar. 31.
Antifreezing apparatus. V. Merritt. 1,834,344; Dec. 1.
Anti-friction device. C. H. M. Bull. 1,831,999; Nov. 17.
Antifriction joint, Universal. J. A. Heiden. 1,837,043; Dec. 15.
Antifrost device. G. K. Foster. 1,830,789; Nov. 10.
Antigen coctoimmunogen, Preparation of specific. R. Torikata. 1,833,384; Nov. 24.
Antigens, Preparing. J. M. Schaffer. 1,816,026; July 28.
Antiglare attachment for vehicle headlights. B. R. Dye and F. C. McDougall. 1,791,718; Feb. 10.
Antiglare device. H. Seckendorf. 1,802,222; Apr. 21.
Antiglare device for motor cars. J. R. Kinney. 1,816,048; July 28.
Antiglare or antidazzle device for lamps. I. Geary. 1,812,779; June 30.
Antijumping device for form rollers. O. C. Roesen. 1,816,935; Aug. 4.
Antiknock compound. R. E. Wilson. 1,815,753; July 21.
Antioxidant. L. J. Christmann. 1,800,435; Apr. 14.
Antioxidant. W. M. Lauter. 1,838,058; Dec. 22.
Antioxidant or age-resistor. A. M. Clifford. 1,809,798–9; June 9.
Antioxidant or age resistor. A. M. Clifford. 1,818,942; Aug. 11.
Antioxidant or age retarder. A. M. Clifford. 1,788,860; Jan. 13.
Antioxidant, Substituted aryl. L. J. Christmann. 1,806,671; May 26.
Antioxidants, Tertiary amine. L. J. Christmann. 1,825,654; Oct. 6.
Antipyrine, Making. E. F. Grether and J. P. Belsley. 1,792,833; Feb. 17.
Antirattle and lock device, Window. C. J. Nock and J. Djazos. 1,801,638; Apr. 21.
Antirattle device. I. Andrews. 1,813,132; July 7.
Antirattler. G. Feller. 1,815,247; July 21.
Antirattler. J. Sneed. 1,798,361; Mar. 31.
Antirattler, Bearing. L. Edelmann. 1,822,479; Sept. 8.
Anti-rattler for doors and the like. I. D. Perry. 1,828,120; Oct. 20.
Antirattler for window sashes. A. T. Granger. 1,813,157; July 7.
Antirattling device for automobile panes. P. J. Fitzgerald. 1,820,451; Aug. 25.
Antirattling device for doors and the like. L. Stark. 1,815,596; July 21.
Antirattling device for window regulator clutches. F. E. Shailor. 1,830,003; Nov. 3.
Anti-reverse mechanism. J. C. Buchanan. 1,835,756; Dec. 8.
Anti-robbery machine. M. W. McMullen and H. P. Hansen. 1,823,750; Sept. 15.
Antiseptic composition and making the same. H. W. Banks 3d. 1,813,109; July 7.
Antishinning spring. A. Welikes. 1,834,883; Dec. 1.
Antiskid appliance for vehicle wheels. C. A. Lowe. 1,793,944; Feb. 24.
Antiskid device. J. De Lopatto. 1,830,983; Nov. 10.
Antiskid device. R. J. Dunham. 1,822,616; Sept. 8.
Antiskid device. O. W. Dutton. 1,820,449; Aug. 25.
Antiskid device. H. H. Ellsworth. 1,813,391; July 7.
Antiskid device. N. E. Heil. 1,803,552; May 5.
Antiskid device. T. E. Johnson. 1,788,159; Jan. 6.
Antiskid device. O. Lance. 1,808,852; June 9.
Antiskid device for automobiles. H. A. Bowyer. 1,823,082; Sept. 15.
Antiskid device for automobiles. L. B. Erwin. 1,830,534; Nov. 3.
Antiskid devices, Cross member for. H. C. Dilliard. 1,790,409; Jan. 27.
Antiskidding device. C. Uhlman. 1,808,797; June 9.
Antiskidding device for motor vehicles. L. K. Ansell. 1,787,608; Jan. 6.
Antislip device. B. T. Roodhouse. 1,796,399; Mar. 17.
Antislip fabric. L. B. Chisholm. 1,811,843; June 30.
Antislipping device for vehicle wheels. H. Nischke. 1,816,395; July 28.
Antisloughing device. A. G. Fuller. 1,830,509; Nov. 3.
Antitailing device. M. M. Guggenheim. 1,798,731; Mar. 31.
Antitheft device. C. A. Matson. 1,793,235; Feb. 17.
Antitheft device. J. R. Middleton. 1,808,245; June 2.
Antitheft device. C. M. Morssen. 1,808,248; June 2.
Antitheft device. H. E. Norviel. 1,825,413; Sept. 29.
Antitheft lock, Automobile. W. W. La Van Way. 1,792,990; Feb. 17.
Anti-thumb-sucking device. J. H. Davis. 1,794,515; Mar. 3.
Anti-thumb-sucking device. G. Y. Roberts and C. B. De Rousse. 1,800,755; Apr. 14.
Anvil, Fabricated blade. H. G. Allen. 1,812,188; June 30.
Anvil for stapling machines, Rotary. R. E. Peterson. 1,826,632; Oct. 6.
Apparatus comprising a heated chamber and transporting rollers such as the annealing apparatus. C. Heuze. 1,797,659; Mar. 24.
Apparatus for burning liquid fuel. A. L. Klees. 1,822,844; Sept. 8.
Apparatus for forming and annealing sheet glass. C. Cone. 1,821,617; Sept. 1.
Apparatus for handling coal. N. D. Levin. 1,821,438; Sept. 1.
Apparatus for integrating accelerations. J. B. Henderson. 1,813,493; July 7.
Apparatus for loading coal. N. D. Levin. 1,821,440; Sept. 1.
Apparatus for packing materials. R. B. Polk. 1,788,958; Jan. 13.
Apparatus for recording business transactions. A. W. Bauer. 1,790,788; Feb. 3.
Apparatus for reducing to fine powder various materials and products such as enamels. J. L. M. Thomas. 1,810,800; June 16.
Apparatus for reproducing movement. G. Walker. 1,791,048; Feb. 3.
Apparatus for rescuing crews of submarines. C. E. Olson. 1,819,918; Aug. 18.
Apparatus for the automatic presentation of objects for sale. R. Koller. 1,816,732; July 28.
Apparatus for the manufacture of sheet glass. J. P. Crowley. 1,821,618; Sept. 1.
Apparatus for treating given objects with a prolonged exposure to sunlight. A. C. Burrage. 1,789,513; Jan. 20.
Apparatus for use in the manufacture of rectifiers. P. H. Geiger. 1,814,592; July 14.

Apparatus or tool for applying coating. J. J. Preble. 1,819,116; Aug. 18.
Apparatus or tool for applying coating. J. J. Preble and W. B. Thompson. 1,819,115; Aug. 18.
Apparatus or tool for applying coating materials. J. J. Preble and W. B. Thompson. 1,819,117; Aug. 18.
Apparel clasp. F. Hirsh. Des. 85,695; Dec. 8.
Apparel garment. E. C. Duff. 1,805,133; May 12.
Apparel hanger. E. H. Clarke. 1,832,002; Nov. 17.
Apparel hanger, Wearing-. I. A. Steiner. 1,795,903; Mar. 10.
Apparel, Safety-carrier. A. R. Meyers. 1,797,359; Mar. 24.
Apparel, Wearing. I. Askey and W. L. Carson. 1,789,422; Jan. 20.
Apparel with tab for fastening supporters thereto. M. Schloss. 1,801,390; Apr. 21.
Apparel, Woman's wearing. R. Lowenbaum, jr. 1,794,307; Feb. 24.
Apple picker. A. A. Hardwick. 1,795,392; Mar. 10.
Apple picker. E. Miller. 1,825,599; Sept. 29.
Applicator. W. L. Johnson. 1,819,898; Aug. 18.
Applicator. B. A. Washburn and F. S. Lack. 1,794,221; Feb. 24.
Applicator for administering irrigating fluids and radiant energy to the urethra. F. R. Hart. 1,819,368; Aug. 18.
Applicator for dispensing liquid from containers. W. Y. Allen. 1,828,485; Oct. 20.
Applicator for vibrating machines. W. D. Smith. 1,805,853; May 19.
Applicator, Fountain. E. L. Bellows. 1,806,517; May 19.
Applicator, Heavy liquid. W. S. Sinclair. 1,829,021; Oct. 27.
Applicator, Medical powder. F. P. C. Davis. 1,827,463; Oct. 13.
Applicator, Medicament. J. B. Davies. 1,822,566–7; Sept. 8.
Applicator, Syringe. A. E. Smith. 1,833,598; Nov. 24.
Approach structure between different levels and producing the same. C. T. Siebs. 1,788,548; Jan. 13.
Apron. S. I. Estes. 1,793,737; Feb. 24.
Apron. A. Quinn. 1,830,290; Nov. 3.
Apron and mitten, Combination. C. S. Burstein and N. Sattler. 1,816,566; July 28.
Aquarium. R. E. Castetter. Des. 85,413; Oct. 27.
Aquarium. A. de Clairmont. 1,838,215; Dec. 29.
Aquarium. H. Hufner. Des. 85,181; Sept 22.
Aquarium. V. Pomernacki. Des. 85,201; Sept. 22.
Aquarium. L. Venditti. Des. 83,137; Jan. 20.
Aquarium heater. F. Kump. 1,824,823; Sept. 29.
Aquarium, Miniature. H. C. M. Jensen. Des. 83,044; Jan. 13.
Aquarium or similar article. M. Matsuno. Des. 85,253; Sept. 29.
Aquatic amusement apparatus. D. Di Leonardo. 1,838,300; Dec. 29.
Aquatic amusement device. J. Chesnut. 1,793,905; Feb. 24.
Aquatic device. W. Woop. 1,795,066; Mar. 3.
Aqueous dispersion of matter and making same. A. Biddle. 1,802,867; Apr. 28.
Aqueous solutions of lower aliphatic acids, Concentrating. J. Billing. 1,805,127; May 12.
Aqueous solutions of volatile substances, Concentrating. F. E. Lichtenthaeler. 1,817,993; Aug. 11.
Arboreal article. P. Takiguchi. 1,829,687; Oct. 27.
Arboretum. J. M. Sherman. 1,837,074; Dec. 15.
Arc extinguishing device. A. M. Jackson. 1,817,984; Aug. 11.
Arc extinguishing means. B. P. Baker. 1,825,298; Sept. 29.
Arc, Oscillating. L. F. Pierce. 1,821,915; Sept. 1.
Arc quenching device. D. A. Gustin. 1,821,214; Sept. 1.
Arc reducer, Switch-contact-. J. J. Dante. 1,795,641; Mar. 10.
Arc-rupturing apparatus. O. H. Eschholz. 1,795,850; Mar. 10.
Arc welding. J. F. Lincoln. Re18,221; Oct. 6.
Arc welding. J. F. Lincoln. 1,826,355; Oct. 6.
Arc welding. J. F. Lincoln and C. C. Peck. 1,827,245; Oct. 13.
Arc welding, cutting, and reducing apparatus, Multiple-. C. J. Holslag. 1,799,903; Apr. 7.
Arc welding, Electric. C. L. Ipsen. 1,827,657; Oct. 13.
Arc welding, Electric. R. Stresau. 1,834,505; Dec. 1.
Arch brace structure. G. H. Jung, jr. 1,834,457; Dec. 1.
Arch correcting insert for shoes. I. J. Marcelle. 1,811,641; June 23.
Arch correcting member. I. J. Marcelle. 1,811,640; June 23.
Arch dam. C. F. Gröner. 1,806,255; May 19.
Arch support. M. P. Bringardner. 1,819,539; Aug. 18.
Arch support. A. F. Krausz. 1,820,747; Aug. 25.
Arch support. W. M. Scholl. 1,809,731; June 9.
Arch support, Adjustable. S. S. Baer. 1,809,010; June 9.
Arch support adjuster. M. Kappner. 1,825,460; Sept. 29.
Arch support, Coiled spring metatarsal. W. Selgle. 1,807,758; June 2.
Arch support, Foot. E. Frei. 1,811,787; June 23.
Arch support for shoes. W. P. Bradford. 1,816,763; July 28.
Arch support for shoes. J. M. Felkel. 1,835,854; Dec. 8.
Arch support for shoes. F. Temler. 1,804,549; May 12.
Arch supports, Device for aiding in manufacturing. T. Engel. 1,830,648; Nov. 3.
Arch supports, Device for manufacturing. T. Engel. 1,830,647; Nov. 3.
Arching mechanism. W. E. Watkins. 1,822,984; Sept. 15.
Area containing fluid exerting a pressure, Confining an. W. J. Plews. 1,838,446; Dec. 29.
Area measuring by light. G. W. O. Martin. 1,809,346; June 9.
Argillaceous product, Making vitreous. W. B. Pine and J. B. and M. C. Shaw. 1,809,215; June 9.
Argillaceous product, Vitrified. W. B. Pine and J. B. and M. C. Shaw. 1,809,214; June 9.
Arithmetic, Device for teaching. F. O. Phagans. 1,829,295; Oct. 27.
Arithmetic, Device for teaching. R. M. Williamson. 1,826,034; Oct. 6.
Arithmetic set, Primary. G. W. Kidd. 1,836,851; Dec. 15.
Arm chair, Collapsible. W. J. Bauer. 1,808,201; June 2.
Arm rest. T. C. Raine. 1,802,217; Apr. 21.
Arm rest, Dual. J. T. Scully. 1,802,620; Apr. 28.
Arm shield. E. S. Lyden. 1,808,049; June 2.
Arm signal switch. H. C. Mapes and A. A. Knowles. 1,834,467; Dec. 1.
Arms, Adjusting means for overhanging. B. P. Graves. 1,812,649; June 30.
Arms, Rear sight mechanism for small. J. D. Pedersen. 1,834,636; Dec. 1.
Armature. V. G. Apple. 1,799,347; Apr. 7.
Armature. V. G. Apple. 1,830,456; Nov. 3.
Armature, Bar wound. V. G. Apple. 1,808,749; June 9.
Armature coils, Making. V. G. Apple. 1,796,424; Mar. 17.
Armature commutator resurfacing or cutting machine. C. R. Brown and J. F. Thomas. 1,823,642; Sept. 15.
Armature, Dynamo-electric-machine. V. G. Apple. 1,792,524; Feb. 17.
Armature, Dynamo-electric-machine. V. G. Apple. 1,793,986; Feb. 24.
Armature, Dynamo electric machine. V. G. Apple. 1,834,923; Dec. 8.
Armature insulation machine. H. H. Eaton. 1,827,740; Oct. 20.
Armature insulation process and machine. H. H. Eaton. 1,838,017; Dec. 22.
Armature loops, Making. V. G. Apple. 1,796,423; Mar. 17.
Armature winding. C. H. Quackenbush. 1,807,252; May 26.
Armature windings, Commutation of multiplex. J. I. Hull. 1,832,703; Nov. 17.
Armatures, Making winding loops for bar wound. V. G. Apple. 1,834,926; Dec. 8.
Armor for electrical connecting plugs. H. Hertzberg. 1,800,728; Apr. 14.
Armor for electric conductors, Preventing the stretching of flexible. F. W. Kulicke. 1,824,904; Sept. 29.
Armor for vehicles, Protective. W. A. Beal. 1,791,701; Feb. 10.
Aroma testing of cedar chests. E. C. Crocker. 1,808,838; June 9.
Aroma tight lock. L. K. Loftin. 1,830,281; Nov. 3.
Arrow and making the same, Metal. S. C. Allen. 1,794,051; Feb. 24.
Arrow, Metal. S. C. Allen. 1,789,575; Jan. 20.
Arrow testing device. S. C. Allen. 1,804,450; May 12.
Arsenic and antimony compound and making the same, Water soluble organic. W. Kolle, J. Hallensleben, K. Streitwolf, and H. Bauer. 1,815,979; July 28.
Arsenic from lead bullion, Removal of. R. C. Rutherford. 1,803,771; May 5.
Arsenic from ores, Removing. J. H. Brennan. 1,790,088; Jan. 27.
Arsenical compounds, Making. H. B. Goodwin. 1,836,963; Dec. 15.
Arsenical solutions, Treatment of. H. A. Gollmar. 1,827,082; Oct. 13.
Arsenobenzene and the product thereof, Producing an. A. Albert. 1,821,919; Sept. 8.
Arsenobenzimidazolons. K. Streitwolf and A. Fehrle. 1,805,382; May 12.
Arseno compounds, Aliphatic. C. S. Palmer. 1,794,119; Feb. 24.
Arsine oxide substitution products of phenyl-azoit-alpha-alpha-diamino-pyridine. E. T. Tisza and B. Joos. 1,827,680; Oct. 13.
Art plaque and making same. H. Henriksen. 1,797,552; Mar. 24.
Artichoke trimming machine. G. D. Gardner. 1,830,199; Nov. 3.
Article and making the same. C. S. Brock. 1,817,174; Aug. 4.
Article and making same, Ornamented. F. B. Root. 1,831,323; Nov. 10.
Article and producing same, Rubber covered. B. Bronson. 1,819,147; Aug. 18.
Article attaching device. K. L. Johnston. 1,810,914; June 23.
Article carrier. W. F. Goez. 1,803,755; May 5.
Article carrier. A. Pelosi. 1,836,616; Dec. 15.
Article carrier. R. Plummer. 1,795,672; Mar. 10.
Article carrier. P. A. Walker. 1,797,456; Mar. 24.
Article, Chromium plated. J. Corbit. 1,835,636–7; Dec. 8.
Article, Chromium plated. W. J. Merten. 1,835,664; Dec. 8.

Article, Chromium plated. C. Van Derau. 1,835,679; Dec. 8.
Article conveying system. A. C. Dahl. 1,833,636; Nov. 24.
Article employing fastener. G. Sundback. 1,831,045; Nov. 10.
Article feeding and stripping machine. J. H. Schlafly. 1,825,287; Sept. 29.
Article for protecting the wrists and arms against cold. A. Stone. 1,815,530; July 21.
Article-forming apparatus. P. J. Knaus. 1,789,469; Jan. 20.
Article handling apparatus. W. R. Bradley. 1,822,432; Sept. 8.
Article making and wrapping machine. W. L. Borchert. 1,787,773; Jan. 6.
Article net for automobiles. P. Emerson. 1,837,537; Dec. 22.
Article of manufacture. M. C. Meyer. 1,791,507; Feb. 10.
Article of manufacture. W. H. Sommer. 1,801,292; Apr. 21.
Article of manufacture. G. N. Williams. 1,829,974; Nov. 3.
Article of manufacture comprising a combination ball and driver. H. C. Pearson. 1,833,531; Nov. 24.
Article of personal equipment. C. W. Larner. 1,816,049; July 28.
Article, Rubberized. H. R. Haertel. 1,836,660; Dec. 15.
Article securing bracket. P. A. Hauenstein. 1,817,371; Aug. 4.
Article selecting and distributing system, Automatic. E. W. Adams. 1,816,887; Aug. 4.
Article supporting rack. J. S. George and R. S. Sperry. 1,821,546; Sept. 1.
Article suspension device. T. N. M. Finlay. 1,814,303; July 14.
Article-working apparatus. H. L. Blood. 1,789,456; Jan. 20.
Articles and producing such articles, Cellulose containing. J. S. Little. 1,827,203; Oct. 13.
Articles and products thereof, Uniting. W. H. Moss. 1,815,444; July 21.
Articles, Apparatus for forming sheet metal. M. Schwaerzer. 1,838,061; Dec. 22.
Articles, Apparatus for gauging and adjusting. A. W. Schoof. 1,826,828; Oct. 13.
Articles, Apparatus for handling. J. S. Stull. 1,833,662; Nov. 24.
Articles, Apparatus for plating small. L. E. Frost and B. V. McBride. 1,835,643; Dec. 8.
Articles, Apparatus for severing moving. K. W. Hallden. 1,836,712; Dec. 15.
Articles, Apparatus for use in inflating pneumatic. J. A. Doran. 1,838,811; Dec. 29.
Articles containing alkali metals, Producing molded. H. Kloepfer. 1,835,712; Dec. 8.
Articles covered with sheet pyroxyline. H. P. de Correvont. 1,824,537; Sept. 22.
Articles, Device for disposing of small. H. B. Rountree. 1,824,299; Sept. 22.
Articles, Device for operating on flat. C. K. Strobel. 1,799,655; Apr. 7.
Articles, Device for treating. A. N. Spanel. 1,817,534; Aug. 4.
Articles for coating, Apparatus for handling. R. F. Brimer. 1,809,190; June 9.
Articles for transportation, Assembling. W. C. Spousta. 1,826,835; Oct. 13.
Articles from aqueous dispersions of rubber and similar vegetable resins or compounds thereof, Manufacture of. G. G. Thornton. 1,810,504; June 16.
Articles from formers, Device for the removal of. Y. H. Kurkjian. 1,814,713; July 14.
Articles from high places and replacing same, Device for taking down. M. Nitzsche. 1,833,120; Nov. 24.
Articles from organic dispersions, Making. G. W. Trobridge, E. A. Murphy, D. F. Twiss, and W. G. Gorham. 1,828,481; Oct. 20.
Articles from rubber and similar materials, Manufacture of. D. F. Twiss and E. A. Murphy. 1,836,692; Dec. 15.
Articles from sheet material, Apparatus for producing. A. W. Gudge and E. Wensley. 1,810,206; June 16.
Articles, Fumigating and disinfecting. A. N. Spanel. 1,817,536; Aug. 4.
Articles made of iron or steel, Hardening. W. Beck. 1,804,454; May 12.
Articles, Making cementitious. A. Henderson. 1,835,158; Dec. 8.
Articles, Manufacture of swaged and tempered. F. J. Vlchek. 1,838,470; Dec. 29.
Articles, Manufacturing inflatable. J. Stein. 1,834,078; Dec. 1.
Articles, Method and apparatus for wrapping. H. Clark and R. E. Metcalf. 1,805,306; May 12.
Articles, Method of and apparatus for coating. G. W. Beadle. 1,794,751; Mar. 3.
Articles, Method of and apparatus for handling. L. I. Dennison. 1,833,637; Nov. 24.
Articles, Method of and apparatus for manufacturing. G. P. McGraw. 1,815,721; July 21.
Articles, Method of and crate for packing conical. H. S. Lion. 1,833,949; Dec. 1.
Articles, Method of producing. R. E. Carlson. 1,796,683; Mar. 17.
Articles of celluloid and the like, Treating. S. A. Neidich. 1,822,538; Sept. 8.
Articles of elongated contour, Apparatus for electroplating. J. W. Moon. 1,838,187; Dec. 29.
Articles of furniture and the like, Protecting. W. T. Hormes. 1,833,749; Nov. 24.
Articles of plastic material, Method and apparatus for molding. J. O. Goodwin. 1,836,752; Dec. 15.
Articles of quartz and similar bodies of high melting point and the furnace thereof, Manufacture of hollow. F. Doerinckel and M. Schliemann. 1,829,821; Nov. 3.
Articles of rubber and fibrous material and product, Making. E. Hopkinson and W. A. Gibbons. 1,805,245; May 12.
Articles, Packing and wrapping. J. S. Stokes. 1,830,342; Nov. 3.
Articles produced from plastic materials, Molding. H. J. Kasch. 1,811,086; June 23.
Articles, Storing, transporting, and delivering. J. Last. 1,838,065; Dec. 22.
Articles such as pills or the like from plastic material, Apparatus for manufacturing small. W. Sumner. 1,825,559; Sept. 29.
Articles together, Fastening. E. H. Ellison. 1,827,884; Oct. 20.
Articles, Treating. A. N. Spanel. 1,817,530–1; Aug. 4.
Articles, Uniting. J. F. Walsh and A. F. Caprio. 1,835,619; Dec. 8.
Articles with a medium under pressure, Apparatus for treating. R. C. Kivley. 1,788,527; Jan. 13.
Articles with liquids, Apparatus for washing, dyeing, or otherwise treating. K. C. Anderson. 1,796,312; Mar. 17.
Articles with one or more colored bands or stripes, Providing. C. E. Kail. 1,830,662; Nov. 3.
Articles with X-rays, Apparatus for treating. F. S. Smith. 1,809,078; June 9.
Articulated and dismountable lifting jack, Type of. I. H. Fotheringham. 1,821,627; Sept. 1.
Articulated device. H. Seidman and H. Cohan. 1,828,476; Oct. 20.
Articulator. D. Bennett. 1,798,518; Mar. 31.
Articulator. J. A. Streker. 1,812,381; June 30.
Artificial animal. V. Bobritsky. Des. 83,947; Apr. 21.
Artificial bait. C. S. Raymond. 1,805,416; May 12.
Artificial denture. B. Krasnoff. 1,792,226; Feb. 10.
Artificial mass and preparing it, Hardened. A. Voss. 1,805,385; May 12.
Artificial materials, Manufacture of. A. Gams and G. Widmer. 1,802,246; Apr. 21.
Artificial thread and process for making same. L. Lilienfeld. Re18,170; Aug. 25.
Arylamines, Purification of. E. C. Britton. 1,823,024–5; Sept. 15.
Arylamines, Purification of. E. C. Britton, W. H. Williams, and M. E. Putnam. 1,823,026; Sept. 15.
Arylcarboxyamino-o-thioglycollic acids into hydroxythionaphthene compounds, Converting. E. Hoffa, J. and F. Müller. 1,804,872; May 12.
Asbestos and other minerals, Cleaning, classifying and grading apparatus for. R. Q. Kyle. 1,790,429; Jan. 27.
Asbestos friction elements, Making. L. Kirschbraun. 1,810,714; June 16.
Asbestos insulating tape. O. H. Cilley. 1,803,840; May 5.
Asbestos tape. J. A. Heany. 1,793,929; Feb. 24.
Ash jar. M. Barclay. Des. 85,362; Oct. 20.
Ash handling equipment. F. B. Allen. 1,821,603; Sept. 1.
Ashpit for circulating warm air heating stoves. H. Lange. 1,801,928; Apr. 21.
Ash protector, Cigar or cigarette. A. Haas. 1,804,979; May 12.
Ash receiver. M. W. Altmayer. 1,829,844; Nov. 3.
Ash receiver. C. R. Boland. 1,813,837; July 7.
Ash receiver. C. T. Butscher. 1,815,701; July 21.
Ash receiver. Z. Chaplick. Des. 84,679; July 21.
Ash receiver. C. Ellis. 1,827,078; Oct. 13.
Ash receiver. H. Janssen. Des. 84,939; Aug. 25.
Ash receiver. W. L. E. Kussman. 1,793,100; Feb. 17.
Ash receiver and electric lighter, Combination. R. De Boer. Des. 84,811; Aug. 11.
Ash-receiver and match holder, Combination. B. S. Coe. Des. 85,366; Oct. 20.
Ash receiver or article of similar nature. S. D. Baker. Des. 85,275; Oct. 6.
Ash receiver or similar article. W. R. Westfall. Des. 84,269; May 26.
Ash receiver, Rotary. J. A. Waddell. 1,800,916; Apr. 14.
Ash receiver, Smoker's. M. Horofes. Des. 82,989; Jan. 6.
Ash-removing device. C. H. Hall. Re18006; Mar. 24.
Ash sifter. H. Helfenbein. 1,803,112; Apr. 28.
Ash tray. E. T. Bahner. Des. 84,915–19; Aug. 25.
Ash tray. F. M. Pannerot. Des. 84,846; Aug. 11.
Ashes, Apparatus for handling. F. B. Allen. 1,809,501; June 9.
Ashes, Apparatus for handling. F. B. Allen. 1,833,312; Nov. 24.
Asparagus, Apparatus for packing. G. Adcock. 1,832,889; Nov. 24.
Asparagus can. S. A. Kelchner. 1,797,868; Mar. 24.
Asparagus cutter. L. F. Fongstedt and J. J. Bjork. 1,835,293; Dec. 8.

Asparagus trimming and canning machine. C. C. McDonald and C. L. Troutman. 1,808,676; June 2.
Asphalt from residuum, Reclaiming. R. P. Crothers. 1,788,792; Jan. 13.
Asphalt, Method and apparatus for emulsifying. R. K. Painter. 1,793,957; Feb. 24.
Asphalt mixing plant, Portable. M. Madsen. 1,836,261; Dec. 15.
Asphalt sheets, Apparatus for cutting. F. C. J. de Both. 1,796,921; Mar. 17.
Asphaltic compositions for pavements, Manufacturing. F. C. Alsdorf. 1,815,089; July 21.
Asphaltic material and preparing same. W. C. West. 1,812,730; June 30.
Asphaltic plates, Scouring and polishing. F. C. J. De Both. 1,816,363; July 28.
Aspirating and embalming device. E. Kaiser. 1,829,144; Oct. 27.
Aspirator device for flusher control. S. Y. Monckton. 1,817,016; Aug. 4.
Assembling apparatus. C. O. Knuuti, B. and C. A. Metzger. 1,822,441; Sept. 8.
Assembling apparatus. W. Vaughan and A. E. Brown. 1,788,136; Jan. 6.
Assembling machine. B. M. Bogoslowsky. 1,787,506; Jan. 6.
Assembling machine. E. W. Henderson. 1,829,651; Oct. 27.
Assembling machine. E. A. Holmgren. 1,830,604; Nov. 3.
Assembling machine. A. W. Phelps and N. L. Penn. 1,817,462; Aug. 4.
Assembling machine. C. J. Spill. 1,788,601; Jan. 13.
Assembling members, Apparatus for. R. Hofstetter. 1,806,202; May 19.
Assembling press. A. W. Phelps. 1,795,141; Mar. 3.
Associating mechanism. H. V. Ball. 1,805,681; May 19.
Assorting apparatus. C. W. Canine. 1,797,495; Mar. 24.
Astronomy, Instruction apparatus for. J. R. Lunt and D. C. Haley. 1,828,057; Oct. 20.
Atmosphere regulating system. A H. Ballard. 1,827,926; Oct. 20.
Atmospheric moisture, Means to recuperate the. A. Knapen. 1,816,592; July 28.
Atomizer. L. V. Aronson. 1,791,440; Feb. 3.
Atomizer. R. W. Bacon. 1,788,269; Jan. 6.
Atomizer. G. F. Courtois. 1,814,128; July 14.
Atomizer. F. Custer. 1,834,683; Dec. 1.
Atomizer. C. R. Jackson. Des. 83,450; Feb. 24.
Atomizer. M. Kline. 1,808,662; June 2.
Atomizer. A. J. Shaukis. 1,825,608; Sept. 29.
Atomizer. L. L. Scott. 1,838,873; Dec. 29.
Atomizer attachment for vacuum cleaners. C. Keller. 1,812,207; June 30.
Atomizer for liquid fuel, Surface. G. Strecker. 1,838,009; Dec. 22.
Atomizer for liquids of all kinds, Portable. R. M. L. Lemoine. 1,794,186; Feb. 24.
Atomizer or sprayer. F. G. Mitchell. 1,822,743; Sept. 8.
Atomizer, Pocket. I. Florman. Des. 83,250; Feb. 10.
Atomizer, Vegetable spraying. R. A. Mouron and H. E. Dorsey. 1,830,709; Nov. 3.
Atomizing and humidifying apparatus. S. C. Cutler. 1,835,559; Dec. 8.
Atomizing and vaporizing device, Regenerative. N. G. Maloney. 1,813,305; July 7.
Attachable washer. R. Leitzke. 1,812,657; June 30.
Attaching device. R. S. Peirce. 1,821,401; Sept. 1.
Attaching machine. C. T. McCue. 1,815,862; July 21.
Attaching machines, Quick retreat device for feed members of. J. Veillette. 1,836,887; Dec. 15.
Attaching means. L. J. Fox. 1,790,638; Jan. 27.
Attachment for internal combustion engines. R. A. Duff. 1,821,745; Sept. 1.
Attachment for looms, Splitting. S. L. Crolley and D. L. Jones. 1,805,568; May 19.
Attraction. L. Lesot. 1,788,798; Jan. 13.
Attrition mill. R. Lee. 1,816,050; July 28.
Audio frequency coupling. H. P. Donle. 1,808,726; June 2.
Audion circuit, Apparatus for energizing an. G. B. Crouse. 1,826,743; Oct. 13.
Audion tube. R. B. Dowler, jr. 1,809,475; June 9.
Audion tube. G. A. Yanochowski. 1,805,794; May 19.
Audiphone. P. F. Apfel. 1,823,228; Sept. 15.
Audiphone unit. H. G. Leach and E. H. Stolz. 1,826,797; Oct. 13.
Audiphone. G. R. Lum. Des. 85,617; Nov. 24.
Audiphone. H. S. Polin. Des. 83,749; Mar. 24.
Auditing machine. M. M. Goldberg. 1,801,499; Apr. 21.
Auditing machine. M. M. Goldberg. 1,818,473; Aug. 11.
Auditing machine. M. M. Goldberg. 1,827,005; Oct. 13.
Auditing machine. M. M. Goldberg. 1,838,617; Dec. 29.
Auditing machine. L. W. Langford. 1,836,671; Dec. 15.
Auger drill. H. C. Gustafson. 1,800,344; Apr. 14.
Auger, Earth. H. Bartenbach and J. B. Spowart. 1,789,399; Jan. 20.
Auger, Earth. H. S. Brown. 1,807,148; May 26.
Auger or bit. L. C. Hardsocg. 1,803,183; Apr. 28.
Auto body and top. J. Campbell. 1,809,505; June 9.
Auto-chock blocks, Holding. G. C. Fedderman. 1,837,657; Dec. 22.
Auto, Commercial. J. V. Martin. Des 85,703; Dec. 8.
Auto dash board attachment. R. L. Hickman. 1,835,871; Dec. 8.
Auto heater. L. H. Patten. 1,809,528; June 9.
Auto signal. G. Myers. 1,811,555; June 23.
Auto shaver, Double barrelled. H. A. W. Wood. 1,829,176; Oct. 27.
Auto sled attachment. J. T. Dunnigan. 1,809,161; June 9.
Auto table. G. E. Thompson. 1,789,503; Jan. 20.
Auto towing device. G. M. Booth. 1,806,606; May 26.
Auto trailers, Tongue structure for. G. Robinson. 1,838,499; Dec. 29.
Auto wheel and tire lock. C. H. Duffy. 1,804,678; May 12.
Auto window screen. A. D. McCormack. 1,814,322; July 14.
Autoclave. J. J. Grebe. 1,814,796; July 14.
Autographic register. S. Brand. 1,791,858; Feb. 10.
Autographic register. W. E. Dunning. 1,805,239; May 12.
Autographic register. L. F. Hagemann. 1,812,478; June 30.
Autographic register. P. A. Jackson. 1,797,345; Mar. 24.
Autographic register. M. W. Krauth. 1,806,544; May 19.
Autographic register. G. J. Neth. 1,820,241; Aug. 25.
Autographic register. F. E. Pfeiffer. 1,811,676; June 23.
Autographic register. F. E. Pfeiffer. 1,812,605; June 30.
Autographic register. F. E. Pfeiffer. 1,818,271; Aug. 11.
Autographic register. A. Rohner. 1,837,587; Dec. 22.
Autographic register. M. Schneider. 1,814,637; July 14.
Autographic register. M. C. Steric and F. E. Pfeiffer. 1,793,760; Feb. 24.
Autographic register, Lever feed. L. F. Hagemann. 1,827,745; Oct. 20.
Autographic register, Portable. E. K. Bottle. 1,817,960; Aug. 11.
Autohelirotor. F. Wander, jr. 1,834,558; Dec. 1.
Automanual resetting device. A. L. Ruthven. 1,798,558; Mar. 31.
Automatic brake. F. W. Schmithals. 1,808,008; June 2.
Automatic coupling. V. N. Bogdanov (Bogdanoff). 1,820,213; Aug. 25.
Automatic coupling. C. C. Farmer. 1,832,898; Nov. 24.
Automatic coupling. T. H. Thomas. 1,813,211–12; July 7.
Automatic cut off switch. H. M. Short. 1,821,853; Sept. 1.
Automatic cut-off switch. C. W. Whitehead. 1,820,203; Aug. 25.
Automatic expanding reel. W. A. Doney and L. L. Clausius. 1,831,848; Nov. 17.
Automatic fire alarm. A. H. Pearson. 1,821,028; Sept. 1.
Automatic gate. H. Anderegg. 1,791,339; Feb. 3.
Automatic gate. A. Baltzer. 1,837,941; Dec. 22.
Automatic gate. E. Weidlein. 1,819,984; Aug. 18.
Automatic hook. A. Husberg and G. L. Gutke. 1,794,773; Mar. 3.
Automatic intermitter. S. D. Jackson. 1,811,396; June 23.
Automatic lift. C. L. Gannaway. 1,794,165; Feb. 24.
Automatic lubricator. E. G. Gartin. 1,798,666; Mar. 31.
Automatic lubricator. M. C. Huffman. 1,798,675; Mar. 31.
Automatic piling lubricator. F. F. Fuller. 1,822,208; Sept. 8.
Automatic regulator. W. D. Dreiske. 1,788,619; Jan. 13.
Automatic regulator. W. D. Dreiske. 1,798,932; Mar. 31.
Automatic regulator. L. A. Hudson. 1,832,809; Nov. 17.
Automatic regulator. F. C. Reeder. 1,806,367; May 19.
Automatic reminder. E. Schuyler. 1,802,674; Apr. 28.
Automatic rewind switch. W. G. Preddey. 1,814,739; July 14.
Automatic selecting bar. W. W. Lasker and H. R. Russell. 1,790,479; Jan. 27.
Automatic shift. J. A. Harding. 1,800,141; Apr. 7.
Automatic sprinkler. A. D. Phillips. 1,801,569; Apr. 21.
Automatic switch. E. Besag. 1,818,682; Aug. 11.
Automatic switch. R. Caraba. 1,797,072; Mar. 17.
Automatic switch. J. Erickson. 1,794,888; Mar. 3.
Automatic switch. H. F. Obergfell. 1,800,563; Apr. 14.
Automatic switch. R. E. Ruess. 1,815,589; July 28.
Automatic switch. W. Walty. 1,822,255; Sept. 8.
Automatic train pipe coupling. J. Robinson. 1,821,115; Sept. 1.
Automatic vertical elevator. H. R. Gotthardt and W. E. Cain. 1,808,135; June 2.
Automatically operated press. R. T. King. 1,805,367; May 12.
Automobile. A. H. Beckner. Des. 83,589; Mar. 10.
Automobile. T. H. Bowman. Des. 84,273; June 2.
Automobile. H. D. Church. 1,829,506; Oct. 27.
Automobile. M. Deservi. Des. 85,736; Dec. 15.
Automobile. A. H. Leamy. Des. 84,484; June 23.
Automobile. A. H. Leamy. Des. 85,532; Nov. 10.
Automobile. R. G. F. Loewy. Des. 83,205; Feb. 3.
Automobile. D. H. Montgomery. Des. 85,298; Oct. 6.
Automobile. F. G. Okada. Des. 83,343; Feb. 17.
Automobile. R. H. Sampson. Des. 84,107; May 5.
Automobile. A. Stea. Des. 83474–5; Feb. 24.
Automobile. M. H. Wenning. Des. 83,083; Jan. 13.
Automobile. C. H. Widman. Des. 84,020; Apr. 21.
Automobile actuating mechanism. T. A. McIntyre. 1,823,208; Sept. 15.
Automobile and aeroplane signal. W. H. David. 1,822,017; Sept. 8.

Automobile attachment. F. C. Osborne. 1,787,757; Jan. 6.
Automobile bodies, Shipping. I. L. Friendlaender. 1,788,667; Jan. 13.
Automobile body. W. Barclay. 1,835,840; Dec. 8.
Automobile body. M. Brun. 1,801,137; Apr. 14.
Automobile body. R. W. Bulkeley. 1,828,355; Oct. 20.
Automobile body. W. P. Dameron. 1,832,767; Nov. 17.
Automobile body. H. L. E. Doherty. Des. 84,074–5; May 5.
Automobile body. S. I. Fekete and M. H. Toncray. 1,789,381; Jan. 20.
Automobile body. D. M. Klausmeyer. 1,812,487; June 30.
Automobile body. F. J. Kubler. 1,813,499; July 7.
Automobile body. T. D. Lazarides. 1,795,783; Mar. 10.
Automobile body. A. H. Leamy. Des. 84,529; June 30.
Automobile body. J. Ledwinka. 1,794,465; Mar. 3.
Automobile body. J. Ledwinka. 1,812,441; June 30.
Automobile body. J. Ledwinka. 1,834,525; Dec. 1.
Automobile body. G. Prestigiacomo. Des. 85,394; Oct. 20.
Automobile body and fenders, Combined. G. Busson. Des. 83,089; Jan. 20.
Automobile body and mounting therefor. J. P. Tarbox. 1,804,658; May 12.
Automobile body construction. J. M. Bonbright. 1,813,380; July 7.
Automobile body construction. O. J. Groehn. 1,813,400; July 7.
Automobile body construction. J. Ledwinka. 1,826,427; Oct. 6.
Automobile body construction. J. Ledwinka. 1,834,524; Dec. 1.
Automobile-body heater. E. C. Booth. Des. 85,083–5; Sept. 15.
Automobile body heater. E. C. Booth. Des. 85,154; Sept. 22.
Automobile body, Metal. O. J. Groehn. 1,827,743; Oct. 20.
Automobile body, Pressed-metal. J. Ledwinka. 1,797,917; Mar. 24.
Automobile body, Pressed-metal. J. Ledwinka. 1,797,918; Mar. 24.
Automobile body, Pressed-metal. J. Ledwinka. 1,800,547; Apr. 14.
Automobile body, Pressed metal. J. Ledwinka. 1,801,869; Apr. 21.
Automobile body, Pressed metal. J. Ledwinka. 1,820,079; Aug. 25.
Automobile body, Pressed metal. J. Ledwinka. 1,829,751; Nov. 3.
Automobile brake. A. T. Kvarnstrom. 1,834,162; Dec. 1.
Automobile brake. J. C. Tumlin. 1,800,969; Apr. 14.
Automobile brake. E. D. Warde. 1,834,362; Dec. 1.
Automobile bus. A. Cernuda. 1,798,011; Mar. 24.
Automobile construction. A. H. Leamy. 1,834,164; Dec. 1.
Automobile construction. C. R. Paton and T. S. Sligh, jr. 1,824,566; Sept. 22.
Automobile construction. C. W. Van Ranst. 1,823,997; Sept. 22.
Automobile control, Automatic. G. Mechetti. 1,823,950; Sept. 22.
Automobile decking. A. G. Girard. 1,790,344; Jan. 27.
Automobile decking device. L. I. Friedlaender. 1,834,834; Dec. 1.
Automobile decking for railway cars, Overhead. B. A. Musselman. 1,805,881; May 19.
Automobile, Electric. A. R. Haufe. 1,820,973; Sept. 1.
Automobile excavator. M. R. Sheen. 1,792,772; Feb. 17.
Automobile equalizer. F. M. Swansen. 1,838,591; Dec. 29.
Automobile filler cap. H. V. Henderson. Des. 83,610; Mar. 10.
Automobile filler cap or similar article. H. V. Henderson. Des. 83,535; Mar. 3.
Automobile filler cap or similar article. H. V. Henderson. Des. 83,806–7; Mar. 31.
Automobile frames, Cushioned spring hanger connection for. C. S. Smith. 1,834,502; Dec. 1.
Automobile, Front drive. A. H. Leamy. 1,828,327; Oct. 20.
Automobile guiding apparatus. E. Geiger. 1,805,211; May 12.
Automobile handling and storing apparatus. W. J. Aitken. 1,803,583; May 5.
Automobile heater. H. J. Cocks. 1,830,090; Nov. 3.
Automobile heater. A. C. Emerson and I. C. Crandall. 1,815,401; July 21.
Automobile heater. H. S. Powell. 1,790,720; Feb. 3.
Automobile heater. P. F. Victor. 1,805,300; May 12.
Automobile hood. L. J. Fox. Des. 84,330; June 9.
Automobile hood and radiator, Combined. B. L. Gold and O. Gutfreund. Des. 83,799; Mar. 31.
Automobile hood-holding means. A. C. McBride and F. W. Renworth. 1,794,786; Mar. 3.
Automobile hood lock. B. L. Dorsey and T. S. Ingersoll. 1,804,387; May 12.
Automobile hub cap. J. H. Munson. 1,814,054; July 14.
Automobile identification plate. J. Wenzel. Des. 84,968; Aug. 25.
Automobile inclosure. G. E. Bishop. 1,818,294; Aug. 11.
Automobile indicator. M. Subber. 1,800,967; Apr. 14.
Automobile jack. R. H. Dart. 1,815,869; July 21.
Automobile jack. E. C. Dennert and H. St. Bernard. 1,794,675; Mar. 3.
Automobile jack. J. Reif. 1,802,067; Apr. 21.
Automobile jack. F. F. Weller. 1,819,450; Aug. 18.
Automobile jacking device. J. F. Toomey and J. F. McNally. 1,828,913; Oct. 27.
Automobile lift. F. Ackerman. 1,819,275; Aug. 18.
Automobile lift. E. W. Holmes. 1,809,939; June 16.
Automobile lift. E. W. Holmes. 1,834,900; Dec. 1.
Automobile lifting appliance. G. E. Weaver and A. R. Squyer. 1,825,764; Oct. 6.
Automobile lifting device. F. R. Beal. 1,831,475; Nov. 10.
Automobile lifting device. G. Nenna. 1,794,532; Mar. 3.
Automobile light. S. A. Thorne. 1,789,162; Jan. 13.
Automobile loading and transportation, System of. J. E. McCrea. 1,818,342; Aug. 11.
Automobile lock. A. R. Smith. 1,812,453; June 30.
Automobile lock. E. J. Van Sickel. 1,838,891; Dec. 29.
Automobile of the crawler type. E. R. Kornbeck. 1,831,012; Nov. 10.
Automobile or traffic signal. W. A. Street. 1,805,643; May 19.
Automobile pit, Multiple. H. A. Mugler. 1,813,460; July 7.
Automobile protection plate. O. C. Ritzwoller. 1,835,188; Dec. 8.
Automobile radiator bar. R. C. Russell. Des. 84,848; Aug. 11.
Automobile road lighting. R. J. Ravencroft. 1,802,958; Apr. 28.
Automobile seat. O. T. Bounds. 1,821,417; Sept. 1.
Automobile seat. F. W. Woodfin. 1,834,817; Dec. 1.
Automobile service record and rear view mirror cover. G. F. Wilson. 1,835,253; Dec. 8.
Automobile servicing device. T. A. Martin. 1,814,049; July 14.
Automobile signal. F. I. Degen. 1,797,903; Mar. 24
Automobile signal. E. N. Hockett. 1,813,851; July 7.
Automobile signal. D. M. Livingston. 1,831,814; Nov. 17.
Automobile signal. J. N. Maggous. 1,839,039; Dec. 29.
Automobile signal. A. Marcuson. 1,787,693; Jan. 6.
Automobile signal. W. P. Murrell and E. H. Shockley. 1,788,584; Jan. 13.
Automobile signal. R. G. Van Duyn. 1,834,557; Dec. 1.
Automobile signal. E. Z. Wainwright, jr. 1,791,334; Feb. 3.
Automobile spring. U. A. Inman. 1,809,851; June 16.
Automobile spring. G. T. McCauley. 1,807,541; May 26.
Automobile storage. C. F. Goddard. 1,811,545; June 23.
Automobile storage. W. M. Keenan. 1,816,590; July 28.
Automobile storage apparatus. R. E. Swartout. 1,829,023; Oct. 27.
Automobile structure. J. V. Martin. 1,821,657; Sept. 1.
Automobile switch and instrument panel. E. N. Jacobi. 1,787,684; Jan. 6.
Automobile top. H. E. Kaplan and B. L. Bouer. 1,835,405; Dec. 8.
Automobile top. W. Kuturlash. 1,799,050; Mar. 31.
Automobile top construction. C. S. Ford. 1,826,871; Oct. 13.
Automobile towing attachment. O. Poen. 1,835,520; Dec. 8.
Automobile truck. W. P. Scott. 1,821,327; Sept. 1.
Automobile turntable and carrier. C. E. Harris. 1,808,655; June 2.
Automobile vehicle, Combined passenger and ambulance. G. E. Wasell. 1,794,096; Feb. 24.
Automobile ventilator. Le R. Askam. 1,787,561; Jan. 6.
Automobile ventilator. J. B. McDevitt. 1,804,264; May 5.
Automobile ventilator. C. McVeety. 1,834,167; Dec. 1.
Automobile wheel. E. K. Baker. 1,818,448; Aug. 11.
Automobile wheel. E. L. Moline. 1,820,084; Aug. 25.
Automobile wheel. E. E. Sturk. 1,801,647; Apr. 21.
Automobile wheel. J. H. Wagenhorst. 1,798,643; Mar. 31.
Automobile winter front. C. A. Upson. 1,799,199; Apr. 7.
Automobiles and the like, Apparatus for handling and storing. P. Been. 1,828,308; Oct. 20.
Automobiles and the like, Moving stalled. M. M. Powers. 1,837,583; Dec. 22.
Automobiles, Apparatus for cleaning and polishing. B. K. Gillespie. 1,827,886; Oct. 20.
Automobiles, Apparatus for handling and storing. F. P. Dinkelberg. Re17,918; Jan. 6.
Automobiles, Apparatus for treating and handling. B. K. Gillespie. 1,838,823; Dec. 29.
Automobiles, Automatic signal for. C. Adler, jr. 1,803,292; Apr. 28.
Automobiles, Controlling the direction of motions of. W. A. Braden. 1,790,616; Jan. 27.
Automobiles, Direction indicator for. T. M. Hamilton. 1,788,518; Jan. 13.
Automobiles, Emergency stopping device for. G. H. E. Lyons. 1,822,157; Sept. 8.
Automobiles, Guiding attachment for. C. N. Colstad. 1,834,682; Dec. 1.
Automobiles, Heating. T. M. Roberts, T. Bovey, and S. J. V. Bovey. 1,800,318; Apr. 14.
Automobiles, Highway control mechanism for. C. Adler, jr. 1,803,291; Apr. 28.
Automobiles, Shipping. J. McMullen. 1,797,294; Mar. 24.
Automobiles, Splash flap for. M. and L. Zaiger. 1,800,274; Apr. 14.
Automotive accessory. C. Stephens. 1,794,803; Mar. 3.
Automotive brake. W. M. Cady. 1,824,034; Sept. 22.
Automotive brake. F. B. Thomas. 1,801,823; Apr. 21.

Automotive machine and distant control therefor. K. Davis. 1,812,085; June 30.
Automotive wheel. Electric-motor. V. G. Apple. 1,792,525; Feb. 17.
Auxiliary arm. J. L. Arbuckle. 1,791,590; Feb. 10.
Auxiliary switch. T. M. Wood. 1,790,690; Feb. 3.
Aviation, Apparatus for training in. B. S. Graham and W. C. Morris. 1,799,895; Apr. 7.
Avigation light. W. A. Wulle. 1,788,650; Jan. 13.
Awl, Scratch. O. V. Osborne. 1,797,016; Mar. 17.
Awl, Sewing. C. Sopchack. 1,790,492; Jan. 27.
Awning. C. Becker. 1,792,726; Feb. 17.
Awning. A. Bruns. 1,817,126; Aug. 4.
Awning. A. Bruns. 1,817,290; Aug. 4.
Awning. C. P. Fogh. 1,809,966; June 16.
Awning. G. W. Frost. 1,800,618; Apr. 14.
Awning. L. F. Heerwagen. 1,789,747; Jan. 20.
Awning. C. G. Mack. 1,805,950; May 19.
Awning. V. M. McConnell. 1,808,564; June 2.
Awning. J. B. Moore. 1,799,020; Mar. 31.
Awning. N. H. Nelson. 1,805,223; May 12.
Awning. I. H. Rathe. 1,836,727; Dec. 15.
Awning. J. H. Sheard. 1,803,305; Apr. 28.
Awning. C. W. Shevlin. 1,788,173; Jan. 6.
Awning. D. C. Spurgeon. 1,811,900; June 30.
Awning. J. Wechsler. 1,801,534; Apr. 21.
Awning. E. T. Wilhelm. 1,794,999; Mar. 3.
Awning, H. E. Williams. 1,787,847; Jan. 6.
Awning arm, Adjustable. H. C. Heiser. 1,816,013; July 28.
Awning arm, Folding. L. B., N., W., and J. M. Goldberg, 1,823,649; Sept. 15.
Awning arms, Adjusting device for. H. Branch. 1,804,550; May 12.
Awning bracket. W. C. Astrup. 1,813,525; July 7.
Awning bracket. R. M. Maxwell. 1,815,925; July 28.
Awning bracket. T. B. Thurman. 1,807,676; June 2.
Awning construction. O. Spiess. 1,793,971; Feb. 24.
Awning fixture. W. C. Astrup. 1,799,668; Apr. 7.
Awning fixture. A. H. Lof. 1,834,719; Dec. 1.
Awning fixture. J. W. Shaw. 1,808,823; June 9.
Awning, Folding metallic. F. J. Richardson. 1,817,847; Aug. 4.
Awning, Folding metallic. F. J. Richardson. 1,824,687; Sept. 22.
Awning, Folding metallic. F. J. Richardson. 1,839,052; Dec. 29.
Awning for store fronts, Lateral arm. F. A. Anton. 1,811,104; June 23.
Awning hook. W. De Grofft. 1,813,031; July 7.
Awning mechanism or the like. E. J. Hanna. 1,800,626; Apr. 14.
Awning, Metal. H. D. Cloud and W. M. Ingram. 1,790,040; Jan. 27.
Awning, Metal. A. E. Stenzel. 1,795,521; Mar. 10.
Awning, Metal or composition collapsible fireproof. W. J. Higman. 1,832,301; Nov. 17.
Awning, Metal window. S. G. Bond. 1,813,017; July 7.
Awning rod end piece. W. C. Astrup. Des. 85,630; Dec. 1.
Awning roller. D. B. Yeates. 1,834,669; Dec. 1.
Awning, Rolling. N. H. Nelson. 1,804,798; May 12.
Awning saver. G. E. Nelson and A. E. Barker. 1,833,688; Nov. 24.
Awning, Side. M. L. Cleland. 1,800,716; Apr. 14.
Awning, Store-front. F. A. Anton. 1,796,419; Mar. 17.
Awning structure. B. J. Osborn. 1,836,548; Dec. 15.
Awning, Vehicle. H. E. Williams. 1,787,846; Jan. 6.
Awning, Window. H. D. Cloud. 1,835,694; Dec. 8.
Awning, Window. J. Huber and M. Rosentreter. 1,801,351; Apr. 21.
Awning, Window. H. W. McCurdy. 1,795,031; Mar. 3.
Awning, Window. H. W. McCurdy. 1,812,638; June 30.
Awnings, and including parts adapted for construction of garage doors and other closures, Collapsible construction for. R. H. Firguson. 1,796,564; Mar. 17.
Awnings, Arm for lateral arm. F. A. Anton. 1,814,108; July 14.
Ax, Safety. D. L. Miller and W. E. Pelton. 1,795,227; Mar. 3.
Ax, Trimming. V. R. Sivera. 1,821,855; Sept. 1.
Axe guard. R. E. Brown. 1,810,593; June 16.
Axle. C. M. Richley. 1,787,454; Jan. 6.
Axle. G. W. Taylor. 1,813,779; July 7.
Axle and final drive for vehicles. E. R. Gurney. 1,822,143; Sept. 8.
Axle and frame straightening device, Automobile. K. Friese. 1,836,369; Dec. 15.
Axle and making the same. E. C. Mogford and G. Spatta. 1,823,158; Sept. 15.
Axle attachment. C. B. Mark. 1,834,249; Dec. 1.
Axle bearings or journals, Lubricating. W. Peyinghaus. 1,789,255; Jan. 13.
Axle box. H. S. Vincent. 1,794,744; Mar. 3.
Axle box for vehicles. W. Peyinghaus. 1,818,864; Aug. 11.
Axle boxes, Making. C. P. Vauclain and F. E. Merklinger. 1,804,291; May 5.
Axle, Change speed driving. M. B. Morgan. 1,837,883; Dec. 22.
Axle, Change speed driving construction. H. W. Alden. 1,829,725; Nov. 3.
Axle construction, Motor vehicle. D. F. Domizi. 1,802,461; Apr. 28.
Axle construction, Rear. J. Riise. 1,824,793; Sept. 29.
Axle for vehicles, Positive-drive. C. R. Westmoreland. 1,798,241; Mar. 31.
Axle for vehicles traveling on rails, Composite crank. J. Buchli. 1,821,612; Sept. 1.
Axle hanger, Adjustable. C. W. Gannett. 1,812,827; June 30.
Axle housing and the like and producing it, Rear. H. S. Holmes. 1,806,558; May 19.
Axle, Motor vehicle. A. Moorhouse. 1,819,110; Aug. 18.
Axle press. C. C. Bennett. 1,815,180; July 21.
Axle press. C. C. Bennett. 1,818,678–9; Aug. 11.
Axle press, Automobile. H. Wochner. 1,825,436; Sept. 29.
Axle stabilizing device, Front. P. E. Matthews. 1,820,753; Aug. 25.
Axle straightening mechanism. H. Wochner. 1,819,311; Aug. 18.
Axle suspension for motor cars, Driving-. G. C. Cappa. 1,790,640; Feb. 3.
Axle-twisting device. C. C. Bennett. 1,818,680; Aug. 11.
Axle, Variable railway. M. F. Torazzi. 1,803,080; Apr. 28.
Axle, Worm drive. M. B. Morgan. 1,811,058; June 23.
Axles, Electric motor automotive. V. G. Apple. 1,808,748; June 9.
Axles, Locating locomotive. T. V. Buckwalter. 1,826,503; Oct. 6.
Azo compound from phenyl-diazo-amino-alpha-monamino-pyridine, obtaining an. I. Ostromislensky. 1,820,483; Aug. 25.
Azodyes derived from 2.3-hydroxy-naphthoic acid arylamides. E. Glientenberg, J. Haller, and M. Baltes. 1,813,618; July 7.
Azo-dyestuff of the anthraquinone series. B. Mayer and J. Würgler. 1,788,314; Jan. 6.
Azodyestuff, New. K. Dobmaier. 1,818,049; Aug. 11.
Azo-dyestuffs and making same. F. Straub and W. Anderau. 1,836,884; Dec. 15.
Azodyestuffs and making same, Fast. R. Schüle and E. Korten. 1,838,235; Dec. 29.
Azo dyestuffs and making same, New. G. Kalischer and C. Schultis. 1,823,943; Sept. 22.
Azodyestuffs and making same, New. E. Schwenk. 1,836,403; Dec. 15.
Azodyestuffs and making same, New basic. G. Kalischer and R. Gast. 1,833,839; Nov. 24.
Azodyestuffs containing chromium and process of making. H. Schweitzer. 1,794,252; Feb. 24.
Azodyestuffs insoluble in water and making same. L. Laska, R. Reyher, and A. Zitscher. 1,805,915; May 19.
Azodyestuffs insoluble in water and making same. L. Laska and A. Zitscher. 1,838,229; Dec. 29.
Azodyestuffs insoluble in water and making same. A. Zitscher and R. Schmitt. 1,820,039; Aug. 25.
Azodyestuffs, Manufacture of new. L. Laska and A. Zitscher. 1,819,103; Aug. 18.
Azo-dyestuffs of the pyrazolone series and making same. G. de Montmollin and M. Schmid. 1,828,599; Oct. 20.
Baby holding and exercising device. O. M. Waddell. 1,832,755; Nov. 17.
Back digging shovel. M. L. Fykse. 1,829,987; Nov. 3.
Back filling machine. J. Hozack. 1,808,139; June 2.
Backplate for wall brackets or article of analogous nature. E. A. Walker. Des. 84,173; May 12.
Backstop for motor vehicles. O. Bjork. 1,810,998; June 23.
Back strap shovel. L. E. Webster. 1,807,883; June 2.
Bacon and the like, Apparatus for broiling. C. W. Carter. 1,809,580; June 9.
Bacon-skinning machine. C. W. Swanson. 1,791,067; Feb. 3.
Bacterial culture spawn, Pure. W. R. E. Andrews. 1,830,631; Nov. 3.
Badge. S. J. Connolly. Des. 85,031; Sept. 8.
Badge. D. T. Gallup. Des. 84,984; Sept. 1.
Badge. J. A. Lethert. 1,824,161; Sept. 22.
Badge. F. S. Tew. Des. 85,264; Sept. 29.
Badge, Fraternal. J. J. Murphy. Des. 84,430; June 16.
Badge, Hat. W. H. Hickey. Des. 85,872; Dec. 29.
Badge, Lodge. W. Jaeger. Des. 83,107; Jan. 20.
Badge, Nurse's. J. O. Pollack. Des. 85,763; Dec. 15.
Badge or similar article. H. W. Earnshaw. Des. 85,576–7; Nov. 17.
Badge or similar article. J. A. Glenn. Des. 84,931; Aug. 25.
Badge or similar article. H. A. Hill. Des. 83,159; Jan. 27.
Badge or similar article. C. G. Mitchell. Des. 83,825; Mar. 31.
Badge or similar article. E. H. Weston, Des. 85,141; Sept. 15.
Badge or similar article. S. A. Whitehouse. Des. 83,654; Mar. 10.
Badge, pin or emblem. L. S. Isaacs. Des. 84,988; Sept. 1.
Baffle. H. J. Kerr. 1,822,151; Sept. 8.
Baffle, Fire. R. J. Anschicks. 1,800,977; Apr. 14.
Baffle for flue doors, Return. F. W. Hvoslef. 1,817,150; Aug. 4.
Baffle for heat exchangers. A. P. Leonard. 1,791,468; Feb. 3.
Baffle for oil and gas separators, Separating. J. P. Walker. 1,789,613; Jan. 20.
Baffle for pull rods. C. Aalborg. 1,838,897; Dec. 29.

Baffle slot block. G. Allen, jr., and F. C. Simpson. 1,822,002; Sept. 8.
Baffles in oil-filled bushings, Supporting. A. O. Austin. Re18,189; Sept. 15.
Bag: *See*—
Air bag.
Bowling bag.
Carrier bag.
Carry bag.
Clothes bag.
Coffee urn bag.
Collapsible bag.
Dunnage bag.
Dust proof bag.
Expansion bag.
Fabric bag.
Fruit-picker's bag.
Garment and carrier bag.
Garment bag
Golf bag.
Hand bag.
Hot water bag
Lock seal bag.
Mail bag.
Multiplex bag.
Multiwalled bag.
Open mouth bag.
Papar bag.
Paper shopping bag.
Repair bag.
Respirating-implement bag.
Shoe bag.
Shopping bag.
Sport bag.
Tea bag.
Traveling bag.
Vacuum cleaner bag.
Valve bag.
Bag. H. H. Allen. 1,795,417; Mar. 10.
Bag. J. E. Cornell. 1,821,207; Sept. 1.
Bag. C. G. Eaton. 1,835,477; Dec. 8.
Bag. J. C. E. Glass. 1,814,685; July 14.
Bag. R. H. Lyon. Des. 85,190; Sept. 22.
Bag. T. M. Royal. 1,814,967; July 14.
Bag. E. F. Shipman. 1,824,508; Sept. 22.
Bag. D. E. Speicher. 1,807,449; May 26.
Bag and concealed muff, Combined hand. A. Cotler and C. F. W. Forssberg. 1,810,894; June 23.
Bag and producing the same, Multiply. B. Arkell. 1,805,067; May 12.
Bag and the like, article, Ice. J. Shapiro. 1,834,987; Dec. 8.
Bag-bottoming machine. A. C. and T. E. Coty. 1,792,678; Feb. 17.
Bag-closing apparatus, Filled-. F. Lutz. 1,791,419; Feb. 3.
Bag closing machine, Filled-. C. S. Thompson. 1,796,494; Mar. 17.
Bag-closing machine, Filled-. C. S. Thompson and W. B. Long. 1,788,900; Jan. 13.
Bag closure. J. M. Darst. 1,801,193; Apr. 14.
Bag closure. M. McCarty. 1,787,914; Jan. 6.
Bag construction, Hand. B. J. Jostes. 1,815,106; July 21.
Bag deterioration, Method preventing water. E. T. Handley. 1,830,465; Nov. 3.
Bag feeding means. H. B. Foulder. 1,823,442; Sept. 15.
Bag feeding means. H. B. Foulder. 1,823,597; Sept. 15.
Bag filler. O. Wiken. 1,809,091; June 9.
Bag filling and discharging apparatus. W. R. Peterson and N. E. Dorrington. 1,818,096; Aug. 11.
Bag filling and weighing machine. H. S. Johns. 1,816,587; July 28.
Bag-filling apparatus. D. Belcher. 1,791,654; Feb. 10.
Bag filling apparatus. J. J. Neunan. 1,823,283; Sept. 15.
Bag filling device. P. Lassen. 1,810,772; June 16.
Bag-filling machine. C. H. Rice. 1,795,265; Mar. 3.
Bag filling machines, Shut-off device for. W. R. Peterson. 1,818,094; Aug. 11.
Bag for hats or similar articles. S. P. W. Johnstone. Des. 85,830; Dec. 22.
Bag for vacuum sweepers, Dust collecting. B. Vanderwilt. 1,827,496; Oct. 13.
Bag, Formation of a paper. A. Pelz. 1,839,163; Dec. 29.
Bag frame. W. C. Hiering. Des. 85,179; Sept. 22.
Bag-frame facing. W. C. Hiering. 1,789,438; Jan. 20.
Bag handle. P. Ingram. Des. 85,045; Sept. 8.
Bag-handling apparatus. E. Canuel. 1,788,858; Jan. 13.
Bag machine. W. Muirhead. 1,819,786; Aug. 18.
Bag making machine. S. Cooper. 1,803,192; Nov. 3.
Bag making machine. A. Potdevin. 1,838,704; Dec. 29.
Bag-making machine or the like, Paper-. P. G. Robinson and T. Sargent. 1,787,549; Jan. 6.
Bag or analogous article. G. W. Boyer. Des. 83,245; Feb. 10.
Bag or analogous article. K. L. Wilhelm. Des. 85,408–9; Oct. 20.
Bag or similar article. J. C. Walters. Des. 84,965; Aug. 25.
Bag, suitcase, hand bag, or the like, Traveling. W. Finkelstein. 1,802,912; Apr. 28.
Bag support, Garment. F. A. Cinadr. 1,806,521; May 19.
Bag turning apparatus. C. F. Sparks. 1,805,432; May 12.
Bag turning apparatus. C. F. Sparks. 1,828,881; Oct. 27.
Bag tying machine. H. B. Foulder. 1,821,506; Sept. 1.
Bag tying machine. H. B. Foulder. 1,822,137; Sept. 8.
Bagasse and similar fibrous products for the production of pulp and the extraction of cellulose, Treating. R. C. McQuiston and H. von Loesecke. 1,813,184; July 7.
Bagasse and the like, Apparatus for preparing and burning. E. C. Bliss. 1,817,228; Aug. 4.
Baggage carrier. W. H. Curtin. 1,788,150; Jan. 6.
Baggage carrier. G. H. Wheary. 1,787,767; Jan. 6.
Baggage carrier. G. H. Wheary. 1,819,274; Aug. 18.
Baggage, Hand. J. Feldman and J. Lessem. 1,806,246; May 19.
Bags and producing the same, Paper. J. D. Cramer and A. J. Rogers. 1,795,838; Mar. 10.
Bags, Apparatus for feeding. E. T. Thiem. 1,790,686; Feb. 3.
Bags, Apparatus for filling and weighing. W. R. Peterson. 1,818,092; Aug. 11.
Bags, Apparatus for manufacturing. C. F. Sparks. 1,805,112; May 12.
Bags, Feeding device for valve. W. R. Peterson. 1,818,093; Aug. 11.
Bags, Making. W. H. Deubener. 1,793,163; Feb. 17.
Bags, Manufacturing shopping. H. K. Steen. 1,799,072; Mar. 31.
Bags, Manufacturing traveling. H. F. Weltz. 1,810,993; June 23.
Bags, Method of and implement for closing. H. Rumsey, jr. 1,811,866; June 30.
Bags or the like, Apparatus for sewing. H. W. Collis and J. J. Williams. 1,794,366; Mar. 3.
Bags, Process and machine for making paper. G. W. Poppe. 1,798,168; Mar. 31.
Bags, Safety attachment for ladies' hand. H. De Bry. 1,801,227; Apr. 14.
Bags, Treating used burlap. G. I. Goldwyn. 1,816,840; Aug. 4.
Bail and applying same. W. E. Lusk and W. H. Potter. 1,812,597; June 30.
Bail attaching means for containers. M. Shuger. 1,801,576; Apr. 21.
Bail ears to pails, Attaching. C. H. Rollason. 1,817,710; Aug. 4.
Bail for hand lanterns. R. H. Monteith. 1,807,491; May 26.
Bail, Shake-out. J. R. Dunbeck. 1,788,087; Jan. 6.
Bailer. C. C. Heeter. 1,792,301; Feb. 10.
Bailer. M. R. Hemphill. 1,787,624; Jan. 6.
Bailer. L. H. Moan and M. Waddell. 1,829,151; Oct. 27.
Bailer bottom, Convertible. H. E. Rutherford. 1,824,235; Sept. 22.
Bails to containers and the like, Attaching. J. H. Renshaw. 1,833,795; Nov. 24.
Bait. E. Horber. 1,831,178; Nov. 10.
Bait. C. W. Knight. 1,789,630; Jan. 20.
Bait, Artificial. L. E. Carr. 1,812,235; June 30.
Bait, Artificial. S. F. Davenport. 1,836,651; Dec. 15.
Bait, Artificial. B. G. Goble. 1,833,522; Nov. 24.
Bait, Artificial. H. K. Green. 1,795,773; Mar. 10.
Bait, Artificial. H. Mays and S. H. Kirkland. 1,820,670; Aug. 25.
Bait, Artificial. G. W. Pike. 1,791,084; Feb. 3.
Bait, Artificial. J. J. Sunday. 1,801,579; Apr. 21.
Bait, Artificial. H. G. Swearingen. 1,812,906; July 7.
Bait, Artificial fish. W. E. Oster. 1,820,759; Aug. 25.
Bait, Artificial trolling. J. Gluck. 1,812,782; June 30.
Bait box. J. Goldstein. 1,815,101; July 21.
Bait, Fish. W. C. Miles. 1,813,416; July 7.
Bait, Fish. W. Stanley. 1,801,940; Apr. 21.
Bait or lure, Artificial. C. S. Bennington. 1,790,456; Jan. 27.
Bait or lure, Artificial. E. L. Buchanan. 1,801,951; Apr. 21.
Bait-set trap. R. Swann. 1,795,806; Mar. 10.
Bake pan. H. C. Brill. 1,836,306; Dec. 15.
Baker's apparatus. T. Forby and J. R. Sourby. 1,832,374; Nov. 17.
Baker's appliance. V. H. Michaelis and W. I. Jasinsky. 1,836,485; Dec. 15.
Bakery machinery. C. Becker. 1,827,134; Oct. 13.
Baking. A. S. Wahl. 1,795,980; Mar. 10.
Baking machine, Pastry cone. O. Hauge. 1,815,911; July 28.
Baking pan. M. J. Hubert. 1,817,690; Aug. 4.
Baking powder. A. H. Fiske. 1,811,263; June 23.
Balance, Analytical. J. F. Krayer. 1,834,848; Dec. 1.
Balance, Automatic inclination. J. Fischer. 1,808,457; June 2.
Balance, Automatic precision. G. M. Whitney. 1,823,306; Sept. 15.
Balance indicator. W. M. Barret. 1,825,172; Sept. 29.
Balance indicator, Alternating current. A. F. Connery and R. S. Wishart. 1,826,736; Oct. 13.
Balance indicator, Duplex. W. G. Fluharty. 1,802,244; Apr. 21.
Balance mechanism for instruments. J. H. Miller. 1,824,561; Sept. 22.
Balanced valve engine, Four cycle. A. C. Peterson. 1,801,367; Apr. 21.
Balancer. H. A. Reynolds. 1,810,086; June 16.
Balancing beams, Poise and manipulating device for same on. J. P. Müller. 1,804,177; May 5.
Balancing machine. F. T. McDonough and A. F. Moyer. 1,812,353; June 30.
Balancing machine and recording amplimeters therefor, Dynamic. F. T. McDonough. 1,800,651; Apr. 14.
Balancing machine, Motor - driven. J. Lundgren. 1,797,269; Mar. 24.
Balcony, Demountable sleeping. J. C. Williams. 1,794,428; Mar. 3.
Bale ties, Device for sealing. J. Bayer. 1,793,990; Feb. 24.
Baling press. A. C. Barrows, G. W. Langford, and J. D. Burby. 1,832,960; Nov. 24.
Baling press. A. C. Barrows, J. H. McLean, and G. W. Langford. 1,825,173; Sept. 29.
Baling press. C. A. Kisby. 1,827,024; Oct. 13.
Baling press. A. S. Mackenzie. 1,834,466; Dec. 1.
Baling press. L. Markt. 1,808,425; June 2.

Baling press. E. D. Nichols. 1,825,600; Sept. 29.
Ball: *See*—
Billiard ball. Rubber ball.
Grinding ball. Twine ball.
Polo ball.
Ball. H. C. Pearson. 1,826,221; Oct. 6.
Ball and shoe bag, Bowler's. J. K. Hotze. 1,821,806; Sept. 1.
Ball and socket connection. D. Benjamin. 1,814,999; July 14.
Ball and socket connection. F. L. Grant. 1,815,771; July 21.
Ball and socket joint. C. Harris. 1,837,160; Dec. 15.
Ball-and-socket joint and making same. J. H. Hoern. 1,798,738; Mar. 31.
Ball bearing means for sliding members. C. R. Vegren and K. J. Tobin. 1,835,125; Dec. 8.
Ball game. W. B. Craighead. 1,806,613; May 26.
Ball game. Y. Daimaru. 1,827,642; Oct. 13.
Ball game apparatus. A. Weinberg. 1,808,802; June 9.
Ball joint. G. H. Hufferd. 1,835,154; Dec. 8.
Ball joint. G. H. Hufferd. 1,835,160; Dec. 8.
Ball joint connection. G. H. Hufferd and M. P. Graham. 1,809,703; June 9.
Ball joint, Friction. C. I. Hoople. 1,800,797; Apr. 14.
Ball joint, Tie-rod. G. H. Hufferd, F. C. Crawford, and M. P. Graham. 1,799,141; Mar. 31.
Ball joints, Forming control rod. H. Ford. 1,824,810; Sept. 29.
Ball mold press. B. De Mattia. 1,815,400; July 21.
Ball of thread with protecting winding for sheaf binders. L. P. Weidenmann. 1,789,794; Jan. 20.
Ball or tube mill. E. G. Stone. 1,794,041; Feb. 24.
Ball races and bushings, Device for removing. H. I. Holland. 1,831,003; Nov. 10.
Ball rack, Pool. S. W. Meyers. 1,837,981; Dec. 22.
Ball receiver. F. Lanza. 1,811,238; June 23.
Ball removing device for golf cups. J. C. Hanes. 1,838,223; Dec. 29.
Ball shaper for nurserymen. J. M. Gillogly. 1,829,002; Oct. 27.
Ball shaping apparatus. C. S. Bradley. 1,819,220; Aug. 18.
Ball supporting and lifting arrangement. A. Wasberg and K. J. Tobin. 1,819,309; Aug. 18.
Ball throwing machine. W. C. Mauney. 1,825,882; Oct 6.
Ball warper. B. A. Peterson. 1,833,495; Nov. 24.
Balls and holding the same while reduced, Reducing the size of tennis. J. R. Gammeter. 1,811,414; June 23.
Balls, Making ornamental rubber. L. R. Howes. 1,806,688; May 26.
Ballast cleaning machine. J. L. Dobbins and P. Ursino. 1,831,483; Nov. 10.
Ballast for aircraft. M. B. Pupp. 1,792,926; Feb. 17.
Ballast resistance. S. Ruttenberg. 1,836,509; Dec. 15.
Ballast resistor. H. A. Jones. 1,804,344; May 5.
Ballast tamping machine. M. Collet. 1,819,945; Aug. 18.
Baller. S. Schiff. 1,818,277; Aug. 11.
Ballot box. T. B. Holbert. 1,821,710; Sept. 1.
Baluster P. C. Strubel. 1,797,883; Mar. 24.
Banana hanger. A. D. Kennedy. 1,795,779; Mar. 10.
Banana stalk stringer. O. Norling. 1,830,208; Nov. 3.
Bananas, Ripening of. R. J. Broadbent. 1,817,875; Aug. 4.
Band building machine. J. W. White. 1,834,325; Dec. 1.
Band, chain, or linkage, Flexible. C. H. Kestenman. 1,822,894; Sept. 15.
Band cutting machine. W. C. Stevens. 1,819,991; Aug. 18.
Band end connection. W. B. Templeton. 1,815,684; July 21.
Band, Endless elastic. W. C. Fisher. 1,822,135; Sept. 8.
Band, Extensible. V. Guinzburg. 1,827,942; Oct. 20.
Band, Extensible. V. Guinzburg. 1,830,791; Nov. 10.
Band fastening machine. P. Wright. 1,836,147; Dec. 15.
Band, Infant's belly. C. M. Tognieri. 1,808,694; June 2.
Band lock. F. A. Smith and C. H. Nehls. 1,817,497; Aug. 4.
Band material, Apparatus for producing. H. Wagenfeld. 1,802,097; Apr. 21.
Band saw wheel. A. G. Carter. 1,811,916; June 30.
Band, Sweat. L. L. Sherwood. 1,807,049; May 26.
Band, Tractor. E. P. Engstrom. 1,820,882; Aug. 25.
Band, Trimmed bag frame. A. Kaufmann. Des. 85,527; Nov. 10.
Band-wire clip. H. G. Jungk. 1,823,607; Sept. 15.
Banding, Plurality. W. Intemann. 1,789,467; Jan. 20.
Bands in synchronism, Maintaining moving. F. Tuttle. 1,836,691; Dec. 15.
Bands of artificial fibers, Apparatus for making. A. Kämpf. 1,803,475; May 5.
Banjo-clock case or similar article. A. Levy. Des. 83,204; Feb. 3.
Banjo mute. F. J. Bacon and D. L. Day. 1,800,588; Apr. 14.
Banjo mute. C. W. Pierson, C. Y. Fitsgerald, and G. E. Thomae. 1,819,339; Aug. 18.
Banjo mute. B. A. Stallone. 1,810,259; June 16.
Banjo or similar article. E. Blanchette. Des. 85,856; Dec. 29.
Banjo rest. F. J. Carroll and O. E. Reid. 1,802,236; Apr. 21.
Banjo rim. F. Gretsch. 1,793,363; Feb. 17.
Bank. J. H. Greer. 1,827,888; Oct. 20.
Bank and article holder, Combined money. V. P. Parchen. 1,806,818; May 26.
Bank check, Safety. J. W. Shaw. 1,807,445; May 26.
Bank, Coin. C. J. Ball. 1,790,131; Jan. 27.
Bank, Coin. W. N. de Sherbinin. Des. 83,668; Mar. 17.
Bank, Coin. R. M. Dugdale. 1,823,646; Sept. 15.
Bank, Coin. C. L'Enfant. 1,838,689; Dec. 29.
Bank, Coin. P. J. Nagle. 1,832,411; Nov. 17.
Bank, Coin. O. G. Smith. 1,801,616; Apr. 21.
Bank, Coin. J. J. Warren, jr. 1,804,726; May 12.
Bank, Coin. D. H. Zell. 1,800,974; Apr. 14.
Bank, Combination lock adding. C. A. Young. 1,817,221; Aug. 4.
Bank, Money. R. B. Hayden. 1,826 398; Oct. 6.
Bank, Money. J. Laurence. Des. 85,293; Oct. 6.
Bank, Novelty savings. C. A. Traff and A. E. Johnson. 1,790,959; Feb. 3.
Bank, Registering. S. L. Connell. 1,806,892; May 26.
Bank, Registering. A. N. Smith. 1,816,347; July 28.
Bank, Savings. C. Fisher. 1,827,388; Oct. 13.
Bank, Savings. C. L'Enfant. 1,824,438; Sept. 22.
Bank, Savings. A. F. Zerbee. 1,811,225; June 23.
Bank sloper. F. D. Wilson. 1,825,434; Sept. 29.
Bar: *See*—
Automatic selecting bar. Joint bar.
Beater bar. Load bar.
Boring bar. Lubricating bar.
Closet bar. Margin bar.
Clothes bar. Muntin bar.
Draft bar. Rail joint bar.
Draw bar. Spring bar.
Even-wear bar. Swinging margin bar.
Furnace grate bar. Tight-center bar.
Grate bar Towel bar.
Guitar tone bar. Transom bar.
Hair curling bar.
Bar and joint, Railway rail splice. J. P. Kane. 1,839,183; Dec. 29.
Bar and lock, Tension. P. K. Marshall. 1,833,169; Nov. 24.
Bar clip. W. E. White. 1,788,180; Jan. 6.
Bar clip. W. E. White. 1,812,913; July 7.
Bar cutter. R. A. Edwards. 1,814,790; July 14.
Bar cutting mechanism. C. L. Eksergian and W. A. Weightman. 1,817,070; Aug. 4.
Bar fixture, Sine. H. J. Lovenston. 1,826,802; Oct. 13.
Bar for beater-engine rolls. A. M. McPhillips. Re17,971; Feb. 17.
Bar for gummed paper and the like, Breaker. F. Mayo and F. L. Fraizer. 1,823,620; Sept. 15.
Bar for loom spools, Retaining. R. E. Vickerman. 1,817,469; Aug. 4.
Bar hanger. J. A. Adell. 1,805,027; May 12.
Bar material for ophthalmic mountings. V. Tanasso and J. J. Pomeranz. Des. 84,718; July 21.
Bar material in rolling mills, Device for handling. P. G. Palmgren. 1,833,330; Nov. 24.
Bar mounting, Stylus-. C. D. Haigis and L. V. Squibb. 1,796.149; Mar. 10.
Bar screen, Self-cleaning. H. A. Van Norman. 1,794,504; Mar. 3.
Bar sizing or shaving machine. S. C. Bond. 1,817,608; Aug. 4.
Bar tie. W. E. White. 1,838,124; Dec. 29.
Bar winding. V. G. Apple. 1,789,128–9; Jan. 13.
Bar wound field element. V. G. Apple. 1,822.261; Sept. 8.
Bars for buckles, Apparatus for casting. B. Mechlovits. 1,820,757; Aug. 25.
Bars for rail joints, Reforming. G. Langford. 1,833,026; Nov. 24.
Bars, Method and apparatus for finishing round. G. A. Wise. 1,809,880; June 16.
Bars, Reforming. G. Langford. 1,808,466; June 2.
Bars, Re-forming splice. E. Woodings. 1,788,225; Jan. 6.
Bars to furnace conveyers, Feeding sheet. A. L. Larsen. 1,824,742; Sept. 22.
Barbecue apparatus, Portable. H. C. Arnaman. 1,795,463; Mar. 10.
Barber chair. F. E. Rohe. 1,805,189; May 12.
Barber chair, Convertible. L. L. Wages. 1,807,262; May 26.
Barber pole illumination. M. W. Berger. 1,808,880; June 9.
Barber's appliance. J. A. Brothers. 1,837,848; Dec. 22.
Barber's comb. J. W. Ingram. 1,811,271; June 23.
Barber's lathering device. A. Gibson. 1,813,047; July 7.
Barge. J. L. Taylor. Re17,968; Feb. 17.
Barge. J. L. Taylor. 1,799.874; Apr. 7.
Barge. J. L. Taylor. 1,807,714; June 2.
Barge for pulp wood and the like. G. P. Fisher and W. M. Balfour. 1,801,548; Apr. 21.
Barge, Self-unloading log. G. S. and J. T. Wilband. 1,788,138; Jan. 6.
Barium aluminate, Obtaining. F. Rothe and H. Brenek. 1,831,824; Nov. 17.
Barium and sulphate of calcium, Manufacturing pure, white and finely distributed sulphate of. T. Lichtenberger and L. Kaiser. 1,822,815; Sept. 8.
Barium hydroxide and strontium hydroxide, Manufacture of. B. C. Stuer. 1,812,250; June 30.
Barium hydroxide, Manufacture of. F. Rüsberg and G. Clauss. 1,799,989; Apr. 7.

Barium-ortho-silicate or barium tri-silicate by the decomposition of barium carbonate, Obtaining. F. Rothe and H. Brenek. 1,824,298; Sept. 22.
Barium silico-ferrite and preparing the same. H. W. Dahlberg. 1,821,208; Sept. 1.
Barium sulphide, Making. F. Rüsberg and P. Schmid. 1,829,188; Oct. 27.
Barking apparatus. W. D. Talbott and L. Bannerman. 1,818,657; Aug. 11.
Barking apparatus and method. H. W. Guettler. 1,787,725; Jan. 6.
Barking machine. A. G. Johansson. 1,817,413; Aug. 4.
Barometer. W. D. Teague. Des. 85,352; Oct. 13.
Barometer, Aneroid. F. B. Newell and F. W. Stalker. 1,798,216; Mar. 31.
Barometer for use in connection with diagnostic work. D. R. Barr. 1,811,168; June 23.
Barrel. T. W. Rieke. 1,833,306; Nov. 24.
Barrel. C. Winskill. 1,822,791; Sept. 8.
Barrel and method and machine for forming same, Knockdown. W. G. Latimer. 1,794,116; Feb. 24.
Barrel attachment, Swabbing. S. W. Gordon. 1,799,971; Apr. 7.
Barrel chamfering, crozing, and trimming apparatus. E. F. Beugler. 1,799,841; Apr. 7.
Barrel, Core. R. C. Baker. Re18,045; Apr. 14.
Barrel filling device. R. R. Randall. 1,829,296; Oct. 27.
Barrel for fluids, Sectional. H. A. W. Howcott. 1,802,716; Apr. 28.
Barrel-forming machine. R. J. Bell. 1,793,351; Feb. 17.
Barrel forming machine. J. C. Ramsey. 1,808,680; June 2.
Barrel lift. R. G. Johnson. 1,794,297; Feb. 24.
Barrel liner and forming same. W. W. Rowe. 1,827,111; Oct. 13.
Barrel-making machine. E. F. Beugler. 1,799,840; Apr. 7.
Barrel-making machine. E. F. Beugler. 1,799,842; Apr. 7.
Barrel or drum for churns, Wooden. J. O'Connell and H. H. Kerr. 1,803,127; Apr. 28.
Barrel rack. J. M. Gerhardt. 1,803,797; May 5.
Barrel rack. N. Lang, jr. 1,808,988; June 9.
Barrels, Apparatus for washing. E. F. Engel. 1,820,608; Aug. 25.
Barrels, Bung fixture for. T. W. Rieke. 1,803,303; Apr. 28.
Barrels, Method of and apparatus for forming metal. R. J. Bell. 1,793,352; Feb. 17.
Barrette. J. B. Richard. 1,813,423; July 7.
Barrette. B. A. Sterling. 1,830,140; Nov. 3.
Barricade. E. B. and W. W. Donaldson. 1,824,334; Sept. 22.
Barricade structure. A. J. Penote. 1,838,151; Dec. 29.
Barrier for railway level crossings and the like. L. M. Campodonico and L. Baratelli. 1,798,721; Mar. 31.
Barrier for vehicles, Yielding. J. B. Strauss. 1,818,824; Aug. 11.
Barrier, Highway. W. J. Adams. 1,794,434; Mar. 3.
Barrier, Yieldable. E. D. Sawyer. 1,828,296; Oct. 20.
Bascule bridge. P. E. Stevens. 1,827,916; Oct. 20.
Base. M. H. Braden. 1,833,670; Nov. 24.
Base and bulb holder, Self adjusting. R. W. Conn. 1,826,505; Oct. 6.
Base and column for display stands, Combination. W. E. Kehoe. Des. 84,701–2; July 21.
Baseball game. R. E. Bates. 1,819,219; Aug. 18.
Baseball game. M. Smellow. 1,792,448; Feb. 10.
Base, Bird cage. L. J. Leon. 1,821,348; Sept. 1.
Base centering device. M. Wildeboer. 1,832,677; Nov. 17.
Base, Combined standard and lamp. W. M. Adrian. Des. 85,145; Sept. 22.
Base, Display-stand. W. R. Moorehead. Des. 83,873; Apr. 7.
Base exchange material and making same. A. S. Behrman. 1,806,663; May 26.
Base-exchange substances, Manufacture of. S. Dahl-Rode. 1,788,805; Jan. 13.
Base flux, Zinc-chloride-. W. K. Schweitzer. 1,800,477; Apr. 14.
Base for a display stand or similar article. V. N. Siegel. Des. 84,552; June 30.
Base for a pen holder stand, paper weight, and the like. A. G. Leake. Des. 85,104; Sept. 15.
Base for chairs and the like. E. C. Harter. 1,817,558; Aug. 4.
Base for chairs, stands, and the like. E. C. Harter. 1,817,559; Aug. 4.
Base for chairs, tables and the like. E. C. Harter. 1,817,560; Aug. 4.
Base for clocks, lamps, or articles of analogous nature. M. Kiwad. Des. 84,088; May 5.
Base for electric lamps and similar articles. R. B. Thomas. 1,832,751; Nov. 17.
Base for furnaces, tanks and the like. J. B. Fitz-Gibbon. 1,804,407; May 12.
Base for laboratory supports. E. L. Harrington. Des. 83,805; Mar. 31.
Base for lamp or analogous articles. F. Pallone. Des. 84,538; June 30.
Base for motion picture projection machines. A. Dina. 1,811,881; June 30.
Base for motion picture projection machines, Compound. A. Dina. 1,831,346; Nov. 10.
Base for plastic material. G. E. Land. 1,827,945; Oct. 20.
Base for signs. E. B. Rogers. 1,821,580; Sept. 1.
Base for stools, Supporting. T. Bink. 1,828,311; Oct. 20.
Base for swivel chair. G. C. Brainard and J. A. Fitch. 1,810,817; June 16.
Base for tables, Iron. C. J. Schmitt. 1,802,279; Apr. 21.
Base for typewriters and other articles. C. B. Ulrich. 1,810,378; June 16.
Base, Lamp. W. M. Adrian. Des. 85,075; Sept. 15.
Base, Lamp. W. M. Adrian. Des. 85,144; Sept. 22.
Base machine. H. L. Myers. 1,795,262; Mar. 3.
Base or article of similar nature, Table lamp. C. Shulman. Des. 84,855; Aug. 11.
Basin and heat reclaimer, Soil-water catch. F. S. Boltz. 1,789,377; Jan. 20.
Basin for soil water heat reclaimer, Catch. F. S. Boltz. 1,815,542; July 21.
Basin wrench. O. H. Schuh. 1,795,048; Mar. 3.
Basing apparatus. H. Gooskens and J. M. van der Poel. 1,817,746; Aug. 4.
Basins of presses and the like, Apparatus for automatically covering the. J. C. L. van der Lande. 1,788,257; Jan. 6.
Basket. R. H. Brainard. 1,838,049; Dec. 22.
Basket. J. M. Gunn. 1,808,653; June 2.
Basket. H. L. Libera. 1,788,724; Jan. 13.
Basket. W. Wasyluk. Des. 85,501; Nov. 3.
Basket-ball backboard. E. J. Gross. 1,789,363; Jan. 20.
Basket ball game. A. S. Bishop. 1,821,918; Sept. 8.
Basket bottom, Reenforced. C. C. Davis. 1,805,687; May 19.
Basket bunker for refrigerator cars, Wire-. W. B. Hall. 1,798,532; Mar. 31.
Basket carrier. J. V. Longan. 1,837,664; Dec. 22.
Basket, Cavity and cement. L. T. Starr. 1,834,434; Dec. 1.
Basket, Clothespin. F. L. Rogers. Des. 83,834; Mar. 31.
Basket, Collapsible drain. H. V. G. Stocker. 1,835,535; Dec. 8.
Basket, Computing. G. K. Primos. 1,819,755; Aug. 18.
Basket, Dish holding. G. S. Blakeslee. 1,810,199; June 16.
Basket, Fire-proof waste paper. R. V. Spencer. 1,832,056; Nov. 17.
Basket, Floral. M. Kanofsky. Des. 85,047; Sept. 8.
Basket, Floral. H. Potter. Des. 83,006; Jan. 6.
Basket handle. F. B. Townsend. 1,818,511; Aug. 11.
Basket, Hose. J. T. Lally. 1,790,755; Feb. 3.
Basket liner. A. H. Wood. 1,812,423; June 30.
Basket reed connecting machine. F. Fortner. 1,816,674; July 28.
Basket, Sewing. W. U. Murrish. 1,788,804; Jan. 13.
Basket table, Convertible. O. A. and C. E. Johnston. 1,813,451; July 7.
Basket, Tie. W. H. Grady. 1,833,569; Nov. 24.
Basket, Waste. H. C. Jearnberg. 1,789,045; Jan. 13.
Baskets or other receptacles, Apparatus for making. C. Swigert. 1,828,911; Oct. 27.
Bat reeling machine. A. S. Mitchell. 1,824,782; Sept. 29.
Batch meter. S. Shafer, jr., and C. F. Ball. 1,827,879; Oct. 20.
Batch mixer, Vertical. A. Schuchardt. 1,791,169; Feb. 3.
Batcher. J. H. Gwynne. 1,820,615; Aug. 25.
Batcher, Portable. C. S. Johnson. 1,805,769; May 19.
Bath: *See*—
Cadmium plating bath. Shower bath.
Caustic bath.
Bath appliance, Baby. M. and E. Polacek. 1,808,376; June 2.
Bath construction, Shower-. G. A. Nilson. 1,800,562; Apr. 14.
Bath device, Shower. A. T. Hoff. 1,799,815; Apr. 7.
Bath fixture. L. C. Schaub. 1,835,813; Dec. 8.
Bath house, Portable W. H. Kamman. 1,828,147; Oct. 20.
Bath inclosure, Shower. L. H. Lehman. Des. 84,041–2; Apr. 28.
Bathroom bracket. S. D. Baker. Des. 83,673; July 21.
Bathroom bracket or similar article. S. D. Baker. Des. 84,671; July 21.
Bath room equipment. J. E. Druckenmiller. 1,815,291; July 21.
Bathroom fixture. L. Bloch. Des. 84,508; June 30.
Bathroom hook. S. D. Baker. Des. 84,672; July 21.
Bath spray device. J. Semkow. 1,814,862; July 14.
Bathtub. L. Bloch. 1,821,959; Sept. 8.
Bathtub. P. Jarmusz. 1,825,188; Sept. 29.
Bathtub. F. E. Krauss. 1,797,777; Mar. 24.
Bathtub. G. Sakier. Des. 85,061; Sept. 8.
Bathtub. L. V. Solon. Des. 83,416; Feb. 17.
Bathtub. C. J. Steele. Des. 84,500; June 23.
Bathtub and dressing table, Folding. G. B. Hansburg. 1,802,147; Apr. 21.
Bathtub and dressing table, Infant's combination. H. E. McCandless. 1,812,971; July 7.
Bathtub chair. T. A. Sadusky, A. L. Marlowe, and F. D. Miller. 1,805,297; May 12.
Bathtub grip. J. H. Germershausen. 1,827,575; Oct. 13.
Bathtub mat, Rubber. G. A. Lepke. Des. 83,113; Jan. 20.
Bathtub seat. J. W. and E. Erhard. 1,824,396; Sept. 22.
Bathtub, Shower. J. C. Cromwell. 1,824,035; Sept. 22.
Bathing box. J. Sopronyi. 1,789,088; Jan. 13.
Bathing equipment. E. Taylor. 1,794,561; Mar. 3.
Bathing pools with chlorine, Treating. C. V. Swearingen. 1,813,827; July 7.

Bathing table. T. Whalen. 1,817,596; Aug. 4.
Baths, Apparatus for producing sudoriferous vapor. J. Diena. 1,822,615; Sept. 8.
Batter mixing device. G. M. Sacerdote. 1,819,203; Aug. 18.
Batteries, Active material for storage. W. Gardiner and H. D. Staley. 1,788,571; Jan. 13.
Batteries, Apparatus for charging storage. A. L. Vencill. 1,837,738; Dec. 22.
Batteries, Automatic charge-control unit for storage. W. D. Forster. 1,794,400; Mar. 3.
Batteries, Method of and apparatus for controlling the charge of storage. F. G. Beetem. 1,791,156; Feb. 3.
Battery: *See*—
Coke oven battery.
Dry cell battery.
Electric battery.
Grid bias battery.
Primary battery.
Storage battery.
Battery. J. S. Zook. 1,790,784; Feb. 3.
Battery and container therefor, Storage. R. A. Klock. 1,829,935; Nov. 3.
Battery box. F. C. Coseo. 1,803,424; May 5.
Battery box and handle. H. H. Wydom. 1,798,773; Mar. 31.
Battery cable terminal. J. A. Testa. 1,820,584; Aug. 25.
Battery carrier. H. Mueller. 1,832,409; Nov. 17.
Battery case. R. R. Smith. 1,819,129; Aug. 18.
Battery case. F. R. Sterk. 1,827,625; Oct. 13.
Battery cell extractor, Electrical. W. F. Bradley. 1,838,738; Dec. 29.
Battery cell puller. W. J. Randolph. 1,837,792; Dec. 22.
Battery cell tester, Prod type. W. D. Ryan. 1,807,439; May 26.
Battery cell testing machine. A. Schmidt. 1,832,948; Nov. 24.
Battery charging device. E. F. Geiger. 1,835,386; Dec. 8.
Battery charging system. R. C. Benner. 1,823,780; Sept. 15.
Battery charging system, Automatic. E. F. Geiger. 1,812,628; June 30.
Battery-charging unit. E. W. Wolf. 1,787,850; Jan. 6.
Battery charging unit. C. A. Wright. 1,807,331; May 26.
Battery-clamp terminal. R. B. Ward. 1,794,812; Mar. 3.
Battery connecter, Storage. H. O. Loch, J. R. Miller, and E. A. Tibbals. 1,808,361; June 2.
Battery connecter terminal. D. Schaffer. 1,809,452; June 9.
Battery connection, Storage. L. E. and A. A. Faucher. 1,802,415; Apr. 28.
Battery control, Audion circuit. F. J. Wolff. 1,813,334; July 7.
Battery, Dry cell. C. H. Dittrick and N. K. Chaney. 1,821,008; Sept. 1.
Battery electrodes and connections, Formation of storage-. E. Handler. 1,797,684; Mar. 24.
Battery electrolyte feeding device. S. L. Van Meter, jr. 1,837,242; Dec. 22.
Battery filter, Automatic. W. T. Cox. 1,815,348; July 21.
Battery hold-down and handle structure. R. M. Pierson. 1,796,343; Mar. 17.
Battery ignition apparatus. W. Dorn. 1,812,517; June 30.
Battery initial discharge device. M. L. Martus, E. H. Becker, and J. G. Ross. 1,830,234; Nov. 3.
Battery lifter. W. F. Lidke. 1,822,102; Sept. 8.
Battery of dry cells and assembling the same. E. J. Strohl and E. C. Smith. 1,797,161; Mar. 17.
Battery plate. A. S. Hubbard. 1,791,208; Feb. 3.
Battery plates, Apparatus for handling storage-. H. W. Lornor. 1,795,612; Mar. 10.
Battery plates, Drying storage. W. L. Reinhardt. 1,806,180; May 19.
Battery plates, Treating storage. W. S. Hutchinson. 1,802,818; Apr. 28.
Battery-post clamp. H. E. Walker. 1,795,415; Mar. 10.
Battery spacer, Storage. J. L. Rupp. 1,808,147; June 2.
Battery structures, Making dry. C. P. Deibel. 1,809,924; June 16.
Battery substitute. E. V. Amy. 1,789,348; Jan. 20.
Battery supply from grounded sources, Metallic. R. V. Morgenstern. 1,797,667; Mar. 24.
Battery support. J. A. Willard. 1,815,488; July 21.
Battery terminal. E. Buschman. 1,816,719; July 28.
Battery terminal. A. C. Grunwald. 1,837,814; Dec. 22.
Battery terminal. W. E. Otwell. 1,822,744; Sept. 8.
Battery terminal clamp. J. E. Hedges. 1,814,156; July 14.
Battery terminal clamp. C. E. Taylor. 1,821,486; Sept. 1.
Battery terminal clamp. W. H. Trimble and J. N. Clark. 1,805,857; May 19.
Battery terminal connecter, Storage. A. W. Fisher. 1,808,648; June 2.
Battery-terminal connection. H. C. Terrell and F. A. Kerkhoff. 1,789,951; Jan. 20.
Battery-terminal device. R. R. Ridgely. 1,799,442; Apr. 7.
Battery terminal post structure, Storage. B. Ford. 1,833,395; Nov. 24.
Battery-terminal puller. W. H. Greet. 1,796,927; Mar. 17.
Battery terminal puller. C. H. Keefer. 1,827,475; Oct. 13.
Battery terminal remover. L. C. Thayer and C. P. Harrison. 1,831,149; Nov. 10.
Battery terminal, Storage. A. D. Goldman. 1,820,611; Aug. 25.
Battery terminals, Attachment for. M. Cutler. 1,794,757; Mar. 3.
Battery tester, Storage. W. Z. Buerger. 1,819,072; Aug. 18.
Battery units, Manufacture of storage. F. W. Barhoff. 1,811,292; June 23.
Batting and felts, Process and apparatus for making. T. W. Allen, W. F. Bokum, and J. H. Senior. 1,833,811; Nov. 24.
Batting apparatus for baseball games and the like. P. T. Simmons. 1,793,969; Feb. 24.
Battle order instrument. R. E. Kortepeter. 1,816,436; July 28.
Beach chair. C. Gilmore. 1,806,679; May 26.
Beacon. J. B. Bartow. 1,834,041; Dec. 1.
Beacon for luminous signalization. J. R. P. Francotte. 1,820,534; Aug. 25.
Beacon light. K. Wiegand. 1,799,341; Apr. 7.
Beacon, Rotating spherical. W. N. Cobb. 1,823,240; Sept. 15.
Beacon tower. J. E. Tate. Des. 84,905; Aug. 18.
Bead forming device. Y. H. Kurkjian. 1,822,443; Sept. 8.
Bead forming machine. W. E. Humphrey. 1,821,161; Sept. 1.
Bead forming mechanism. W. E. Humphrey. 1,821,470; Sept. 1.
Bead opening, Sanitary. W. T. Morgan. 1,826,255; Oct. 6.
Bead threading machine. F. Lornitzo. 1,817,010; Aug. 4.
Beaded welt. A. L. Howard. 1,809,555; June 9.
Beading of formed sheet metal articles, Method of and apparatus for. J. M. Hothersall. 1,823,047; Sept. 15.
Beads, Stringing. P. G. Ellsworth. 1,807,396; May 26.
Beam and the like. R. H. Watson. 1,837,088; Dec. 15.
Beam dyeing machine. W. P. Hornbuckle and R. F. Craig. 1,799,421; Apr. 7.
Beam form clamp. T. C. Schenk. 1,834,183; Dec. 1.
Beam hanger. W. C. Trout. 1,819,799; Aug. 18.
Beam head yoke, Walking. W. C. Trout. 1,834,438; Dec. 1.
Beam network system. M. Wallace. 1,802,688; Apr. 28.
Beam wobbler. G. L. Usselman. 1,821,367; Sept. 1.
Bean cutter. G. Lang. 1,823,051; Sept. 15.
Bean cutter. W. E. Urschel. 1,794,743; Mar. 3.
Bean stringing and slicing implement. W. Tatham. 1,803,880; May 5.
Beans and seed, Apparatus for roasting. F. F. Clandrow. 1,820,938; Sept. 1.
Beans, Apparatus for treating soy. T. Satow. 1,799,256; Apr. 7.
Beans, Method and apparatus for separating string. F. P. Ryder and W. D. Chisholm. 1,814,633; July 14.
Beans, Method and apparatus for separating string. F. P. Ryder and W. D. Chisholm. 1,835,242; Dec. 8.
Beans, Treating boiled. S. Higuchi. 1,799,370; Apr. 7.
Bearing. C. W. Adams. 1,816,758; July 28.
Bearing. K. W. Atwater. 1,811,703; June 23.
Bearing. L. Blackmore. 1,797,752; Mar. 24.
Bearing. J. J. Boland. 1,798,139; Mar. 31.
Bearing. J. D. Dines. 1,804,251; May 5.
Bearing. T. Elliott. 1,793,071; Feb. 17.
Bearing. M. Hallead. 1,818,323; Aug. 11.
Bearing. H. A. S. Howarth. 1,806,061–2; May 19.
Bearing. J. D. Jones. 1,794,623; Mar. 3.
Bearing. B. H. McQueer. 1,797,833; Mar. 24.
Bearing. A. G. M. Michell. 1,805,992; May 19.
Bearing. W. Mitchell. 1,835,803; Dec. 8.
Bearing. M. C. Nixon. 1,796,473; Mar. 17.
Bearing. C. H. Norton. 1,807,701; June 2.
Bearing. C. R. Short. 1,819,272; Aug. 18.
Bearing. C. R. Short. 1,834,746; Dec. 1.
Bearing. M. B. Tark. 1,819,394; Aug. 18.
Bearing. G. N. Van Derhoef. 1,792,618; Feb. 17.
Bearing. R. Weis. 1,831,430; Nov. 10.
Bearing, Adjustable. A. K. Sjolander. Re18,075; May 19.
Bearing adjusting and locking device. E. E. Miller. 1,812,973; July 7.
Bearing and cage, Antifriction. F. G. Hughes. 1,794,772; Mar. 3.
Bearing and forming same, Self-lubricating self-aligning. N. Skillman. 1,817,528; Aug. 4.
Bearing and forming the same, Self-aligning self-lubricating. N. Skillman. 1,793,874; Feb. 24.
Bearing and making it, Bushing. J. Brincil. 1,815,344; July 21.
Bearing and making same. F. H. Regan. 1,797,444; Mar. 24.
Bearing and making same, Roller. N. J. Nolan. 1,824,787; Sept. 29.
Bearing and making same, Self lubricating. J. R. Coolidge, 3d. 1,827,737; Oct. 20.
Bearing and mounting therefor. R. L. Brown. 1,801,655; Apr. 21.
Bearing and mounting therefor, Roller. W. B. Bronander. 1,800,246; Apr. 14.
Bearing and oiling system for gyro-stabilizers. A. E. Schein. 1,836,730; Dec. 15.
Bearing and sealing means for flexible pipe joints, Adjustable thrust. E. A. Russell. 1,811,649; June 23.
Bearing, Antifriction. T. Barish. 1,793,896; Feb. 24.
Bearing, Antifriction. R. W. Dull. 1,837,415; Dec. 22.

Bearing, Antifriction. H. R. Gibbons. 1,803,966; May 5.
Bearing, Antifriction. S. B. Haseltine. 1,814,035; July 14.
Bearing Antifriction. J. F. O'Connor. 1,796,300; Mar. 17.
Bearing, Antifriction. R. J. Olander. 1,835,178; Dec. 8.
Bearing, Antifriction. A. H. Stebbins. 1,807,451; May 26.
Bearing, Antifriction. L. C. Wetzel. 1,837,601; Dec. 22.
Bearing, Antifriction journal. J. F. O'Connor. 1,788,539; Jan. 13.
Bearing, Antifriction side. J. F. O'Conner. 1,800,565; Apr. 14.
Bearing, Anti-friction side. J. F. O'Connor. 1,831,926; Nov. 17.
Bearing, Antifriction spring. R. R. Searles. 1,798,907; Mar. 31.
Bearing assembly unit and mounting therefor. G. R. Bott. 1,803,591; May 5.
Bearing, Automatic take up. G. C. Monckmeier. 1,825,410; Sept. 29.
Bearing, Axle box. C. P. Vauclain. 1,816,801; July 28.
Bearing, Axle journal. C. W. Todd. 1,797,301; Mar. 24.
Bearing, Ball. H. N. Parsons. 1,804,110; May 5.
Bearing, Ball and roller. R. A. L. Violet. 1,811,679; June 23.
Bearing, Ball thrust. L. J. Sauer. 1,796,539; Mar. 17.
Bearing blocks, Method of and apparatus for producing flexible. L. Thiry. 1,830,814; Nov. 10.
Bearing boring apparatus. F. A. Litter. 1,836,078; Dec. 15.
Bearing box. D. C. Brown. 1,805,325; May 12.
Bearing boxing for laundry extractors, Roller-. E. K. Loring. 1,788,311; Jan. 6.
Bearing cage and forming the same, Roller-. H. Marles. 1,794,634; Mar. 3.
Bearing cages, Making ball. H. J. Ness and C. H. Roth. 1,836,273; Dec. 15.
Bearing cap facer. G. C. Monckmeier. 1,823,461; Sept. 15.
Bearing, Centrifugal separator. C. F. Aller. 1,816,460; July 28.
Bearing chuck for roller-mill rolls. J. H. Messner. 1,792,999; Feb. 17.
Bearing, Clutch-throw-out. A. G. Geistert. 1,788,864; Jan. 13.
Bearing, Connecting-rod. F. A. Cox. 1,789,728; Jan. 20.
Bearing, Connecting-rod. C. R. Short. 1,789,714; Jan. 20.
Bearing construction. L. J. Sauer. 1,810,296; June 16.
Bearing construction, Roller-. T. V. Buckwalter. 1,794,580; Mar. 3.
Bearing construction, Roller. A. J. Peterman. 1,813,315; July 7.
Bearing construction, Roller. S. M. Weckstein. 1,824,002; Sept. 22.
Bearing, Crank arm. A. H. Stebbins. 1,804,958; May 12.
Bearing, Crown block. O. W. Dunham. 1,824,335; Sept. 22.
Bearing dividing device. H. F. Sacknus and E. P. Kerruish. 1,832,506; Nov. 17.
Bearing, Double-row ball or roller. K. O. Leon. 1,790,869; Feb. 3.
Bearing, Dustproof oil. A. Olson. 1,792,922; Feb. 17.
Bearing, Elevator pit. O. W. Dunham. 1,815,292; July 21.
Bearing for cable drums and the like. G. T. Ronk. 1,836,339; Dec. 15.
Bearing for car doors. A. Wasberg and K. J. Tobin. 1,788,416; Jan. 13.
Bearing for clutch releases. D. E. Gamble. 1,808,980; June 9.
Bearing for conveyer rolls, Protected. P. C. Wego. 1,793,346; Feb. 17.
Bearing for drawers, Roller. B. Hoal. 1,789,041; Jan. 13.
Bearing for drill stems. J. Grant. 1,788,630; Jan. 13.
Bearing for drying cylinders, Doll-head. W. P. Evans. 1,795,546; Mar. 10.
Bearing for electric motors, Armature. E. P. Larsh. 1,792,645; Feb. 17.
Bearing for food grinder shafts. W. E. Stimpson. 1,833,186; Nov. 24.
Bearing for line shafts and the like, Antifriction. J. Bowen. 1,816,002; July 28.
Bearing for rail vehicles, Journal. O. Hübner. 1,838,551; Dec. 29.
Bearing for railway-car axles, Journal. O. Hübner. 1,792,305; Feb. 10.
Bearing for railway car axles, Journal. O. Hübner. 1,831,449; Nov. 10.
Bearing for railway vehicles or the like. A. S. O. Von Zweigbergk. 1,813,975; July 14.
Bearing for rotary pumps. W. I. Derrick. 1,827,811; Oct. 20.
Bearing for screw conveyers, Flexible. F. B. Caldwell. 1,829,392; Oct. 27.
Bearing for shafts and lubrication thereof. H. L. Tanner. 1,793,262; Feb. 17.
Bearing for spindles, Self adjusting. C. H. Norton. 1,807,700; June 2.
Bearing for the cylinder of printing machines. K. Albrecht. 1,808,126; June 2.
Bearing for walking beams, Rocker. W. Schwemlein. 1,825,096; Sept 29.
Bearing for watch movements, Step. H. Colomb. 1,795,362; Mar. 10.
Bearing for wood rolls. W. J. Simonds and C. C. Harris. 1,803,735; May 5.
Bearing free wheel drive, Roller. W. C. Klein. 1,810,834; June 16.
Bearing, Grooved. J. L. Myers. 1,807,166; May 26.
Bearing, Guide. W. H. Cater. 1,812,471; June 30.
Bearing, Hour glass. G. M. Eaton. 1,816,474; July 28.
Bearing housing seal. J. L. Ray. 1,810,370; June 16.
Bearing inclosure. T. Barish. 1,823,640; Sept. 15.
Bearing, Journal. F. O. Hoagland. 1,798,841; Mar. 31.
Bearing, Journal. J. F. O'Connor. 1,793,124; Feb. 17.
Bearing, Journal. J. F. O'Connor. 1,796,616; Mar. 17.
Bearing, Journal. J. F. O'Conner. 1,800,564; Apr. 14.
Bearing, Journal. J. L. Ortner. 1,837,578; Dec. 22.
Bearing, Lubricated roll. I. W. Noyes. 1,824,744; Sept. 22.
Bearing lubrication. W. L. De Baufre. 1,836,580; Dec. 15.
Bearing manufacture, Roller. F. Tyson. 1,830,493; Nov. 3.
Bearing member and forming same, Lined. C. R. Short. 1,831,325; Nov. 10.
Bearing, Needle. R. Götz. Re18,080; May 26.
Bearing, Nonlubricated. G. E. Bigelow and A. R. Weis. 1,787,810; Jan. 6.
Bearing of weighing apparatus, Knife-edge. J. W. Taylor. 1,792,942; Feb. 17.
Bearing or journal for shafts, Rubber. B. B. Annis. 1,797,223; Mar. 24.
Bearing, Peripheral. A. M. Hunt. 1,807,845; June 2.
Bearing protector. J. M. Edwards. 1,806,748; May 26.
Bearing puller. R. B. Noble. 1,794,494; Mar. 3.
Bearing puller. C. G Payne 1,826,631; Oct 6
Bearing removing process, Roller. M. T. Lothrop. 1,808,469; June 2.
Bearing retainer. J. L. Mathews. 1,837,875; Dec. 22.
Bearing, Roller. G. F. Blume. 1,795,992; Mar. 10.
Bearing, Roller. A. D. Booth. 1,806,279; May 19.
Bearing, Roller. J. W. Foley. 1,798,529; Mar. 31.
Bearing, Roller. B. B. Holmes. 1,798,125; Mar. 24.
Bearing, Roller. A. L. Larson. 1,803,625; May 5.
Bearing, Roller. H. Marles. 1,822,053; Sept. 8.
Bearing, Roller. J. Modler. 1,796,610; Mar. 17.
Bearing, Roller. G. W. Taylor. 1,787,603; Jan. 6.
Bearing, Roller. G. W. Taylor. 1,796,813; Mar. 17.
Bearing, Roller. A. W. Ward. 1,790,334; Jan. 27.
Bearing, Roller. E. Wooler. 1,787,712; Jan. 6.
Bearing, Roller side. A. Stucki. 1,806,003; May 19.
Bearing, Self-adjusting roller. K. O. Leon. 1,789,007; Jan. 13.
Bearing, Self-aligning. T. V. Buckwalter. 1,795,471; Mar. 10.
Bearing, Self aligning shaft end. E. E. Greve. 1,838,615; Dec. 29.
Bearing, Self-oiling. G. E. Krider. 1,793,741; Feb. 24.
Bearing, Self tightening. G. S. Morison. 1,817,160; Aug. 4.
Bearing, Separable anti-friction. C. E. Best. 1,821,873; Sept. 1.
Bearing, Shaft. J. H. Doran. 1,814,833; July 14.
Bearing, Shaft. W. D. Lutz. 1,832,312; Nov. 17.
Bearing, Shaft. E. H. Waring. 1,827,409; Oct. 13.
Bearing, Shoe. C. C. Calkins. 1,804,672; May 12.
Bearing, Shoe. E. C. B. Jahn. 1,831,119; Nov. 10.
Bearing sleeve and making same. B. Stockfleth. 1,821,122; Sept. 1.
Bearing, Spindle. J. A. Miller. 1,802,772; Apr. 28.
Bearing, Spindle-ferrule. F. J. Burns. 1,822,874; Sept. 15.
Bearing, Split. F. Smelik and L. J. Krudwig. 1,834,501; Dec. 1.
Bearing, Split roller. G. W. Taylor. 1,799,447; Apr. 7.
Bearing, Spring. E. B. Zimmerman. 1,799,450; Apr. 7.
Bearing, Spring shackle. J. H. Olcott. 1,813,708; July 7.
Bearing, Step. V. E. Yeager. 1,791,080; Feb. 3.
Bearing support for driving axles. A. D. Robbins. 1,835,525; Dec. 8.
Bearing, Takeup journal. E. V. Francis. 1,837,260; Dec. 22.
Bearing, Thrust. F. H. Banbury. 1,818,449; Aug. 11.
Bearing, Thrust. E. Brown. 1,836,065; Dec. 15.
Bearing, Thrust. J. R. Crelind. 1,832,649; Nov. 17.
Bearing, Thrust. T. W. Gordon. 1,825,519; Sept. 29.
Bearing, Thrust. L. Roebel. 1,829,542; Oct. 27.
Bearing, Thrust. W. M. White. 1,792,719; Feb. 17.
Bearing, Water cooled. J. D. Jones. 1,804,693; May 12.
Bearings about an arbor preparatory to machining, Holding half. L. C. Blomstrom. 1,805,232; May 12.
Bearings and bushings. Apparatus for finishing. T. D. Bowes. 1,809,545; June 9.
Bearings and making them. H. L. Barton. 1,792,565; Feb. 17.
Bearings, Centrifugal device for. H. D. Yoder. 1,791,547; Feb. 10.
Bearings cooling mechanism, Hydraulic turbine. A. F. Sparks. 1,816,237; July 28.
Bearings, Device for indicating undue wear in. T. and F. Bradley. 1,788,941; Jan. 13.
Bearings, Device for taking up the wear on antifriction. L. Holland-Letz. 1,821,976; Sept. 8.
Bearings for electrical condensers. T. J. Scofield. 1,824,304; Sept. 22.
Bearings, Forming flanged. C. H. Leis. 1,794,183-4; Feb. 24.

Bearings in railway-truck side frames, Mounting of anti-friction journal. B. W. Taylor. 1,789,933; Jan. 20.
Bearings in universal rolling mills, Roll. H. Stüting. 1,788,693; Jan. 13.
Bearings, Lining. F. C. Jones and V. Skillman. 1,789,979; Jan. 27.
Bearings, Lubricating. W. Peyinghaus. 1,797,791; Mar. 24.
Bearings, Making. W. H. Klocke. 1,804,015; May 5.
Bearings, Making. J. T. Littleton, jr. 1,808,047; June 2.
Bearings, Making partially lined. J. Brincil. 1,828,731; Oct. 27.
Bearings, Manufacturing. W. J. Fiegel and F. C. Jones. 1,809,838; June 16.
Bearings, Method and apparatus for making. E. P. Kerruish. 1,802,723; Apr. 28.
Bearings of a machine, Automatic means for lubricating the. H. W. Atwood. 1,803,456; May 5.
Bearings on shafts, Securing antifriction. R. F. Runge. 1,788,891; Jan. 13.
Bearings on shafts, Securing antifriction. R. F. Runge. 1,835,991; Dec. 8.
Bearings, Pressure distributing means for. P. G. Palmgren. 1,814,734; July 14.
Bearings, Side. D. C. Davis. 1,808,839; June 9.
Beater. H. Weigand and O. E. Schobert. 1,802,040; Apr. 21.
Beater. W. J. Zimmerman. 1,826,857; Oct. 13.
Beater and aerator. T. L. Bailey. 1,817,665; Aug. 4.
Beater and mixer, Egg. H. P. Roberts. 1,798,757; Mar. 31.
Beater bar. F. M. Gloyd. 1,827,228; Oct. 13.
Beater, Continuous paper. T. J. Mullen. 1,790,830; Feb. 3.
Beater, Continuous rotary. T. J. Madigan. 1,813,862; July 7.
Beater, Drum. E. O. Roark. 1,810,731; June 16.
Beater, Drum and cymbal. H. A. Hiers and R. H. Hiers. 1,799,901; Apr. 7.
Beater drum mechanism for shelling maize. G. C. Oakes. 1,821,316; Sept. 1.
Beater, Egg. K. A. Grommet. 1,801,154; Apr. 14.
Beater, Egg. C. E. Kail. 1,828,932; Oct. 27.
Beater engine. W. V. Knoll. 1,815,007; July 14.
Beater engine. W. V. Knoll. 1,817,749; Aug. 4.
Beater, extractor and cleaner, Pulp. J. D. Haskell. 1,824,080; Sept. 22.
Beater for foodstuffs. W. J. Mahony. 1,826,356; Oct. 6.
Beater for paper making, Continuous. B. M. Bishop. 1,811,741; June 23.
Beater for textile floor coverings, such as rugs and carpets. E. B. Dennie. 1,834,941; Dec. 8.
Beater, Grain. E. W. and G. D. Baldwin. 1,802,998; Apr. 28.
Beater or mixer. J. W. Bell. 1,788,479; Jan. 13.
Beater, Pulp. W. A. Bessmer. 1,837,806; Dec. 22.
Beater roll. D. H. Shartle. 1,838,875; Dec. 29.
Beater roll adjuster and indicator. B. C. Hope. 1,831,004; Nov. 10.
Beating implement. R. V. Sowers. 1,831,040; Nov. 10.
Bed. M. F. Bayer. 1,788,419; Jan. 13.
Bed. H. G. Kimble. 1,812,298; June 30.
Bed. H. G. Kimble. 1,824,156; Sept. 22.
Bed. F. L. Mills. 1,820,285; Aug. 25.
Bed. E. J. O'Neill. 1,793,006; Feb. 17.
Bed and chair, Combination. T. Artz. 1,911,680; June 23.
Bed and imitation fireplace, Combination folding. M. Demlinger. 1,813,282; July 7.
Bed and seat, Combination. J. M. Dorton. 1,814,789; July 14.
Bed, Animal. F. L. Mills. 1,820,283–4; Aug. 25.
Bed bracket. J. Silvio. 1,833,692; Nov. 24.
Bed, Camp. W. B. Van Wert. 1,830,378; Nov. 3.
Bed, Camping. E. E. Frey. 1,810,311; June 16.
Bed, Collapsible. H. Gubbei. 1,804,011; May 5.
Bed construction. W. A. Matheson and W. P. Bower. 1,838,561; Dec. 29.
Bed construction. J. W. Shaw. 1,801,248; Apr. 14.
Bed, Davenport. N. J. Ekleberry. 1,792,684; Feb. 17.
Bed, Davenport. A. Knosher. 1,805,097; May 12.
Bed Davenport. C. W. Meves. 1,809,859; June 16.
Bed davenport, Folding. A. L. Slee. 1,815,120; July 21.
Bed, Double folding. E. O. O'Dell. 1,799,437; Apr. 7.
Bed fastening-fitting. M. Brunner. 1,831,285; Nov. 10.
Bed, Foldable. E. Abela. 1,795,697; Mar. 10.
Bed, Foldable. N. N. Brown. 1,813,019; July 7.
Bed, Foldable. N. N. Brown. 1,818,036; Aug. 11.
Bed, Folding. H. Blase and K. B. Cowan. 1,812,618; June 30.
Bed, Folding. W. Chackes and T. J. Bossert. 1,814,828; July 14.
Bed, Folding. E. Cocks. 1,812,082; June 30.
Bed, Folding. W. J. Duvall. 1,810,516; June 16.
Bed, Folding. W. J. Duvall. 1,837,211; Dec. 22.
Bed, Folding. R. H. Hutchins. 1,811,936; June 30.
Bed, Folding. C. J. Kindel. 1,800,220; Apr. 14.
Bed, Folding. L. Mager. 1,789,047; Jan. 13.
Bed, Folding. W. A. Moeller. 1,826,184; Oct. 6.
Bed, Folding. L. Muchlinski. 1,821,315; Sept. 1.
Bed, Folding. A. Pittoni. 1,824,925; Sept. 29.
Bed, Hospital. J. J. Ettinger. 1,823,890; Sept. 22.
Bed, Metal. L. H. Morin. 1,803,862; May 5.
Bed, Narrow door wall. N. Sinclair. 1,813,091; July 7.
Bed, Nursery. J. Walter. 1,787,805; Jan. 6.
Bed, Obstetrical. L. L. Gilbert. 1,804,256; May 5.
Bed operating mechanism, Crank means for. M. C. Nelson and A. F. Kaptuller. 1,828,980; Oct. 27.
Bed or cot. C. W. Wantz. 1,823,013; Sept. 15.
Bed or like structure, Folding. M. F. Bayer. 1,800,494; Apr. 14.
Bed or similar article. T. G. Kindel. Des. 84,786; Aug. 4.
Bedpan and fountain syringe, Combination. A. N. Mabry. 1,818,489; Aug. 11.
Bedpan washer. J. H. Okun. 1,807,634; June 2.
Bedplate, Motor. J. L. Brown. 1,788,081; Jan. 6.
Bed, Portable folding. A. M. Smith. 1,791,540; Feb. 10.
Bed, Recess folding. L. Muchlinski. 1,820,672; Aug. 25.
Bed, Shifting narrow door wall. N. Sinclair. 1,806,955; May 26.
Bedside table. G. G. Ulmer, jr. 1,801,531; Apr. 21.
Bedside table. J. Walter. 1,802,362; Apr. 28.
Bed, Sofa. C. Haltgren. 1,806,259; May 19.
Bed, Sofa. G. A. Stackhouse. 1,804,820; May 12.
Bedspread. G. Sellier. Des. 85,262; Sept. 29.
Bedspring. M. A. Matthews. 1,823,836; Sept. 15.
Bed spring brace. V. Massacese. 1,819,909; Aug. 18.
Bedstead. H. H. Feldman. 1,815,616; July 21.
Bedstead, Extensible. M. F. Bayer. 1,817,666; Aug. 4.
Bedstead or similar article. A. J. Ambrose. Des. 85,225; Sept. 29.
Bedstead or similar article. T. G. Kindel. Des. 85,479; Nov. 3.
Bed structure. B. M. Frank and J. Basile. 1,820,658; Aug. 25.
Bed structure, Folding. J. Basile. 1,838,292; Dec. 29.
Bed structure, Folding. W. E. Frank. 1,798,463; Mar. 31.
Bed warmer. V. V. Long. 1,814,940; July 14.
Beds, Attachment for. O. Smith. 1,804,710; May 12.
Beds, Combination foot piece for folding recess type. O. L. Edwards. 1,800,610; Apr. 14.
Beds, Head board for foldable. G. F. Cane. 1,834,380; Dec. 1.
Beef in oil-soaked stockinet bags, Hanging. J. E. Covey. 1,790,698; Feb. 3.
Beehive. E. W. Hope. 1,830,905; Nov. 10.
Beehive. G. P. and J. Wood. 1,823,076; Sept. 15.
Beehive brood frame. C. E. Sanders. 1,820,500; Aug. 25.
Beehive, Top entrance. E. W. Brown. 1,816,631; July 28.
Beer and the like, Method of and apparatus for dealcoholizing. C. B. Schneible. 1,832,587; Nov. 17.
Beeswax, Treating. W. S. Baylis. 1,808,755; June 9.
Beet blocker. J. Comer. 1,807,511; May 26.
Beet digger, Two-row. G. F. Price. 1,800,751; Apr. 14.
Beet harvester. J. E. Hovermale. 1,805,582; May 19.
Beet-harvesting machine. L. F. Bollmeier and R. P. Colwill. 1,792,529; Feb. 17.
Beet topper. W. C. Gookin. 1,815,503; July 21.
Beet topper. R. Laemmlen. 1,805,044; May 12.
Beet topper. A. Groenig and G. H. Hobbs. 1,831,658; Nov. 10.
Beetling mill, High-speed. E. Kramer. 1,798,886; Mar. 31.
Beetling mill with closed casing. E. Kramer. 1,814,559; July 14.
Bell. S. Miller. 1,808,313; June 2.
Bell. W. C. Wood. 1,798,444; Mar. 31.
Bell, Alternating current. A. F. Lake. 1,815,853; July 21.
Bell and alarm, Combined door. M. Spiegel. 1,815,659; July 21.
Bell cap. W. J. Seeland. 1,796,256; Mar. 10.
Bell, Electromagnetic J. F. Moran. 1,797,013; Mar. 17.
Bell, Electromagnetic. L. E. Richmond. 1,819,843; Aug. 18.
Bell, End. A. G. Steinmayer. 1,802,584; Apr. 28.
Bell, Film changeover signaling. M. Finkel. 1,803,241; Apr. 28.
Bell for rescue work on sunken submarines, Rescue. A. F. and H. Nair. 1,834,798; Dec. 1.
Bell, Furnace charging. C. W. Andrews. 1,811,702; June 23.
Bell ringer. E. V. Cross. 1,823,820; Sept. 15.
Bell ringer for locomotives. D. S. Ellis and C. J. Zusy. 1,797,825; Mar. 24.
Bell structure, Charging. C. W. Andrews. 1,815,892; July 28.
Bells, Controlling device for locomotive or engine. O. B. Peters. 1,806,215; May 19.
Bellows and making the same. C. J. Whitacre. 1,806,009; May 19.
Bellows and producing the same, Metallic. W. H. Buell. 1,825,652; Oct. 6.
Bellows folds, Forming. W. B. Clifford. 1,823,532; Sept. 15.
Bellows, Forming. L. M. Persons. 1,816,610; July 28.
Belt. J. R. Craighead. Des. 84,626; July 14.
Belt. R. H. Gleckner. 1,792,158; Feb. 10.
Belt. S. C. Jimopoulos. 1,804,990; May 12.
Belt. T. J. McCann. 1,828,196; Oct. 20.
Belt. M. Pollock. 1,833,175; Nov. 24.
Belt adjuster, Automatic. H. J. Brunk. 1,818,685; Aug. 11.
Belt, Aerial safety. E. L. Hoffman. 1,830,059; Nov. 3.
Belt and coupling therefor. J. K. Diamond. 1,827,783; Oct. 20.
Belt and making same. W. R. Gates. 1,793,604; Feb. 24.
Belt and waist line garment, Adjustable. R. C. Castlen. 1,838,250; Dec. 29.
Belt, brace, garter, and the like, Spring. P. A. Martin. 1,803,266; Apr. 28.

Belt building apparatus, Cord. W. H. Gerstenslager. 1,813,876; July 7.
Belt clamp. G. H. Bowlus. 1,818,297; 1,818,297; Aug. 11.
Belt clamp. E. C. Noble. 1,827,327; Oct 13.
Belt clamp. H. C. Prince and C. L. Kennedy. 1,794,319; Feb. 24.
Belt composed of longitudinal separated bands. L. A. Harmel, born Bradfer. 1,790,145; Jan. 27.
Belt controller. N. Hubbard. 1,823,493; Sept. 15.
Belt, Conveyer. J. C. Anderson. 1,816,559–61; July 28.
Belt, Conveyer. T. G. Nyborg. 1,813,311; July 7.
Belt conveyer. T. G. Nyborg and M. F. Higgins. 1,791,835; Feb. 10.
Belt, Conveyer. F. N. Woodman. 1,829,773; Nov. 3.
Belt conveyer idler. H. P. Robbins. 1,838,190; Dec. 29.
Belt cutter. T. E. Buckner. 1,805,163; May 12.
Belt end attachment. M. Grosse. 1,797,653; Mar. 24.
Belt, Endless track. A. Kégresse. 1,814,046; July 14.
Belt, Endless V-shaped. C. C. Gates. 1,813,698; July 7.
Belt for massaging machines, Exercising. F. X. Meehan. 1,812,891; July 7.
Belt for paper-making machines, Woven wire. N. W. Webb. 1,821,412; Sept. 1.
Belt for paper-making machines, Woven-wire. N. W. Webb. 1,821,453–6; Sept. 1.
Belt for personal wear. E. S. Mix. 1,812,214; June 30.
Belt for personal wear. E. S. Mix. 1,826,563; Oct. 6.
Belt for vehicles, Endless traction. H. A. Knox. 1,800,221; Apr. 14.
Belt, Friction chain. H. S. Pierce. 1,822,821; Sept. 8.
Belt guide, Automatic. G. A. Foote. 1,815,099; July 21.
Belt having wedge shaped links, Driving. C. O. Streeter. 1,803,922; May 5.
Belt, Hinged conveyer. F. N. Woodman. 1,828,304; Oct. 20.
Belt lacing. J. K. Diamond. 1,837,210; Dec. 22.
Belt-lacing hook. G. M. Richard. 1,789,191; Jan. 13.
Belt, Life saving. W. Matuskey. 1,833,614; Nov. 24.
Belt, Lineman's. A. A. Strauss. 1,802,288; Apr. 21.
Belt, Link. S. Matsumoto. 1,819,185; Aug. 18.
Belt, Link. J. T. Moore, 1,807,925; June 2.
Belt, Link conveyer. F. N. Woodman. 1,836,422; Dec. 15.
Belt, Link conveyer. F. N. Woodman. 1,839,072; Dec. 29.
Belt loop cutting and sorting machine. J. H. Dale. 1,837,762; Dec. 22.
Belt, Massage. J. G. De Remer. 1,807,398; May 26.
Belt, Power. A. F. Nelson. 1,833,091; Nov. 24.
Belt, Power transmission. P. B. Reeves. 1,811,826; June 23.
Belt, Safety. P. J. Warren. 1,796,775; Mar. 17.
Belt-skiving machine. W. S. Griffith. 1,797,979; Mar. 24.
Belt splice. W. A. Meyer. 1,792,751; Feb. 17.
Belt splice. R. E. Stoll. 1,792,718; Feb. 17.
Belt, Stranded. E. A. Connor. 1,809,023; June 9.
Belt, Supporting. J. V. Moore. 1,830,285; Nov. 3.
Belt supporting and driving mechanism. T. H. J. Simmons and F. W. Blackburne. 1,820,634; Aug. 25.
Belt, Swimming. A. Walus. 1,833,697; Nov. 24.
Belt testing device. R. Skutsch. 1,802,676. Apr. 28.
Belt tightener. F. H. Humphrey. 1,787,865; Jan. 6.
Belt tightener, Automatic. W. C. Stewart. 1,835,617; Dec. 8.
Belt tightener for machines for expanding metal. J. H. Dean and G. W. Baker. 1,787,514; Jan. 6.
Belt, Umpires'. F. W. Bender. 1,814,887; July 14.
Belt, V-type transmission. R. H. Chilton. 1,789,726; Jan. 20.
Belt, Wedge shaped driving. L. Wallfisch. 1,805,442; May 12.
Belting device. J. W. Heltzel. 1,817,687; Aug. 4.
Belting, Fabric. F. W. Alexander. 1,815,879; July 21.
Belting, Heat resistant. C. C. Davis. 1,834,606; Dec. 1.
Belts, Apparatus for cleaning sticky material from conveyer. W. E. Philips. 1,793,246; Feb. 17.
Belts, Attachment for. C. Horix. 1,818,329; Aug. 11.
Belts, Treating Fourdrinier wire. A. B. Weissenborn. 1,811,870; June 30.
Bench: *See*—
Convertible bench.
Fruit packer's bench.
Greenhouse bench.
Kneeling bench.
Shop bench.
Work bench.
Bench. L. F. Moore and P. Craighill. Des. 83,338; Feb. 17.
Bench clamp. J. Hastie. 1,800,937; Apr. 14.
Bench construction. P. L. McKee. 1,801,315; Apr. 21.
Bench convertible into bedstead for vehicles. L. C. A. Poirot. 1,820,155; Aug. 25.
Bench cot. G. A. Lansberry, L. A. Hartman, and V. A. Jasperson. 1,788,919; Jan. 13.
Bench or scaffold, Window. M. Stone. 1,814,231; July 14.
Bench or the like, Radio. O. C. Simms. Des. 83,355; Feb. 17.
Bench sander. H. L. Myers. Des. 83,121; Jan. 20.
Bend, Return. J. E. Getzen. 1,831,709; Nov. 10.
Bending machine. C. and W. Berges. 1,837,196; Dec. 22.
Bending machine. R. L. Hibbard. 1,791,620; Feb. 10.
Bending machine for rod and profile iron. A. Wagenbach. 1,795,188; Mar. 3.
Bent tube boiler. L. J. Marshall. 1,810,365; June 16.
Benzanthraquinone series, New compounds of the. R. Heidenreich. 1,837,961; Dec. 22.
Benzanthrone, Derivatives of. W. Eichholz. 1,815,143; July 21.
Benzanthrone, Derivatives of. A. Luettringhaus, H. Neresheimer, and H. J. Emmer. 1,818,076; Aug. 11.
Benzanthrone, Making. I. Gubelmann, R. J. Goodrich, and E. T. Howell. 1,791,309; Feb. 3.
Benzanthrones, Purification of. I. Gubelmann, R. J. Goodrich, and E. T. Howell. 1,794,848; Mar. 3.
Benzene compounds, Oxidation of. J. Binapel and W. Krey. 1,789,924; Jan. 20.
Benzene derivatives, Side chain combination of. E. B. Conklin. 1,828,858; Oct. 27.
Benzene hydrocarbons from gases, Extracting. F. Breitbach. 1,790,571; Jan. 27.
Benzene, Hydrolysis of halogenated. T. Griswold, jr. 1,833,485; Nov. 24.
Benzidine and its substitution products, Isolation and purification of. H. J. Weiland and I. Gubelmann. 1,794,097; Feb. 24.
Benzine, Process and apparatus for the clarification of. J. J. Wack. 1,803,083; Apr. 28.
Beret cap. H. B. Bruckner. Des. 83,496; Mar. 3.
Berets, Method and apparatus for making. E. C. Doolittle and S. Carrillo. 1,792,681; Feb. 17.
Berry gatherer. E. Holmgren. 1,806,058; May 19.
Beryllium and aluminum compounds, Obtaining. C. B. Sawyer and B. Kjellgren. 1,823,864; Sept. 15.
Beryllium and other metals, Production of. H. S. Cooper. 1,805,567; May 19.
Beryllium compounds from beryllium bearing minerals, Obtaining. H. Fischer. 1,820,655; Aug. 25.
Beryllium or its alloys, Manufacture of metallic. H. Fischer. 1,809,442; June 9.
Beryllium salts from beryllium-bearing minerals, Production of industrially valuable. H. Fischer. 1,815,056; July 21.
Beta-napthol pellet. C. E. Mensing. 1,798,166; Mar. 31.
Bevel square. A. E. Smith. 1,825,759; Oct. 6.
Bevel wheel. G. Veber. 1,811,446; June 23.
Beveling glass. L. Rosenberg. 1,832,244; Nov. 17.
Beveling machine. F. L. Hitchcock. 1,798,421; Mar. 31.
Beveling machine. D. W. B. Kurtz, jr. 1,805,735; May 19.
Beverage container. G. G. Marshall. Des. 84,947; Aug. 25.
Beverage dispensing device. G. M. Kendall. 1,831,357; Nov. 10.
Beverage fountain, Self-serving. J. R. Manley 1,798,095; Mar. 24.
Beverage making machine. J. W. Lee. 1,804,795; May 12.
Beverage, Minim alcohol. H. Zerweck. 1,831,585; Nov. 10.
Beverage mixed. G. C. Bakewell. 1,796,278; Mar. 17.
Beverage, Preparing and dispensing machine. H. R. Brand. 1,822,433; Sept. 8.
Beverages of reduced alcohol content, Producing. H. Heuser. 1,800,940; Apr. 14.
Beverages, such as coffee and the like, Device for preparing. C. W. Carter. 1,837,252; Dec. 22.
Bezel. A. E. McCurdy. 1,839,041; Dec. 29.
Bias cutter. J. Rehak. 1,825,250; Sept. 29.
Bib and harness, Combined baby. F. D. Moran. 1,837,983; Dec. 22.
Bicycle. A. H. Richards. 1,813,639; July 7.
Bicycle frame. G. de Riz. Des. 85,327; Oct. 13.
Bicycle frame. E. S. Van Valkenburg. 1,791,985; Feb. 10.
Bicycle lock. A. L. Poe. 1,819,000; Aug. 18.
Bicycle stand. T. Thompson. 1,799,573; Apr. 7.
Bicycle, Water. W. D. Clark. 1,831,229; Nov. 10.
Billboard, Interchangeable block. G. W. Eschenbach. 1,809,378; June 9.
Billboard, Talking. G. E. Wintz. 1,804,297; May 5.
Bill fold. W. R. Buxton. Des. 83,146; Jan. 27.
Bill fold. W. R. Buxton. Des. 83,306–7; Feb. 17.
Bill fold. W. R. Buxton. Des. 83,793; Mar. 31.
Bill fold. C. F. Hughes. 1,833,881; Nov. 24.
Bill fold. B. Rolfs and P. Wege. Des. 83,175; Jan. 27.
Bill fold. G. Voltz. 1,830,452; Nov. 3.
Bill fold. C. Wallerstedt. 1,818,368; Aug. 11.
Billfold. V. E. Weeks. 1,825,496; Sept. 29.
Bill fold. A. Weinberg. 1,815,083; July 21.
Bill fold or purse. D. W. B. Kurtz, jr. 1,807,482; May 26.
Bill folds, cardcases, and similar articles, Reenforcing the walls of. C. L'Enfant. 1,831,016; Nov. 10.
Billing machine aligner. L. F. Hagemann. 1,809,596; June 9.
Billet casting machine. J. W. Leighton. 1,807,419; May 26.
Billets, Forging. M. W. Kellogg. 1,798,742; Mar. 31.
Billiard ball. W. Wollaston. 1,826,538; Oct. 6.
Billiard table. J. O. Matteson. Des. 83,983–4; Apr. 21.
Bin: *See*—
Dust bin.
Steel nail bin.
Bin. M. P. Duke. 1,816,213; July 28.
Bin for grain-cleaning machines, Accumulator. J. W. Hoefling. 1,793,613; Feb. 24.
Bin for storage of fish. C. Birdseye. 1,805,354; May 12.
Bin hopper. B. S. Sierer. 1,794,326; Feb. 24.
Bins, Cover for storage. D. E. Stair. 1,796,168; Mar. 10.
Binder. P. Y. Borodin. 1,827,506; Oct. 13.
Binder. A. M. Rabinof. 1,830,961; Nov. 10.
Binder. C. E. Riddiford. 1,804,514; May 12.
Binder and car stake, One-piece. W. T. Knowles. 1,799,628; Apr. 7.
Binder attachment. I. J. Haugsness. 1,795,720; Mar. 10.

Binder, Book. J. J. Kernan. 1,806,466; May 19.
Binder clamp, Loose leaf. A. K. and R. H. Briele. 1,807,504; May 26.
Binder for loose leaf books. W. J. Morton. 1,805,314; May 12.
Binder for loose leaves. H. A. Hayden. 1,792,740; Feb. 17.
Binder for loose sheets or the like. P. Siptrott. 1,793,520; Feb. 24.
Binder for mold materials. M. S. Clawson. 1,794,588; Mar. 3.
Binder for pamphlets and other folded articles, Temporary. H. J. Gaylord. 1,820,736; Aug. 25.
Binder for sewing machines. T. O'Neill. 1,812,830; June 30.
Binder, Grain. G. Hammer. 1,832,019; Nov. 17.
Binder, Grain. R. C. Livesay. 1,896,294; Mar. 17.
Binder, Grain. R. C. Livesay. 1,838,854; Dec. 29.
Binder hitch, Automatic. R. L. Campbell. 1,797,897; Mar. 24.
Binder, Index. A. J. Cardoza. 1,818,302; Aug. 11.
Binder, Loose leaf. G. L. Crosby. 1,807,390; May 26.
Binder, Loose-leaf. F. H. Crump. 1,799,040; Mar. 31.
Binder, Loose leaf. F. H. Crump. 1,827,462; Oct. 13.
Binder, Loose leaf. C. J. Dunbar. 1,810,133; June 16.
Binder, Loose-leaf. C. H. Franz, jr. 1,793,076; Feb. 17.
Binder, Loose leaf. R. E. Hamilton. 1,812,435; June 30.
Binder, Loose-leaf. H. B. Jennings, jr. 1,788,303; Jan. 6.
Binder, Loose leaf. A. G. Lotter. 1,804,626; May 12.
Binder, Loose leaf. A. G. Lotter. 1,810,919; June 23.
Binder, Loose leaf. A. G. Lotter. 1,829,363; Oct. 27.
Binder, Loose leaf. J. L. McMillan. 1,808,727; June 2.
Binder, Loose leaf. J. L. McMillan. 1,825,360; Sept. 29.
Binder, Loose leaf. M. Meyerson. 1,826,627; Oct. 6.
Binder, Loose-leaf. G. W. Newman. 1,794,917; Mar. 3.
Binder, Loose leaf. W. B. Osman. 1,822,310; Sept. 8.
Binder, Loose-leaf. L. A. Salvidge. 1,797,447; Mar. 24.
Binder, Loose-leaf. J. Schade. 1,795,047; Mar. 3.
Binder, Loose leaf. W. L. Siegfreid. 1,833,044; Nov. 24.
Binder, Loose leaf. L. Stein. 1,836,200; Dec. 15.
Binder, Loose-leaf. C. D. Trussell. 1,800,268; Apr. 14.
Binder, Loose leaf. P. O. Unger. 1,818,936; Aug. 11.
Binder, Loose leaf. R. M. Van Valkenburgh and C. A. Cederleaf. 1,810,231; June 16.
Binder, Loose-leaf. W. F. Warner, jr. 1,794,473; Mar. 3.
Binder, Loose-leaf. R. Watson. 1,791,916; Feb. 10.
Binder, Loose-leaf. R. R. Webb. 1,800,420; Apr. 14.
Binder, Loose leaf ledger. C. A. Finley. 1,828,600; Oct. 20.
Binder, Magazine. H. T. Arends. 1,825,257; Sept. 29.
Binder mechanism, Loose leaf. J. C. Dawson. 1,826,707; Oct. 13.
Binder, Prong. W. Strubing and L. F. Scherzinger. 1,838,717; Dec. 29.
Binder, Shift. A. M. Martin. 1,795,374; Mar. 10.
Binder strip for floor coverings. R. G. Collins. 1,813,025; July 7.
Binder, Tariff. C. B. Williams. 1,819,937; Aug. 18.
Binder, Temporary. J. Barker. 1,798,135; Mar. 31.
Binder, Temporary A. J. Cardoza. Re18,009; Mar. 24.
Binder, Temporary. M. Meyerson. 1,816,021; July 28.
Binder, Temporary book. W. F. Heer. 1,806,057; May 19.
Binder twine box. W. Hoos. 1,832,395; Nov. 17.
Binder, Visible-index. J. L. McMillan. 1,794,338; Feb. 24.
Binders, Base member for loose leaf. R. M. Watson. 1,827,411; Oct. 13.
Binders, books, card trays, and the like, Device for operating loose-leaf. R. F. Power. 1,792,395; Feb. 10.
Binders, Hand operated bundle trip for. W. J. Rex. 1,806,708; May 26.
Binders, Shifting plate for loose leaf. J. L. McMillan. 1,838,953; Dec. 29.
Binders, Thrashing attachment for. F. J. Decker. 1,796,088; Mar. 10.
Binders, Trip adjuster for grain. D. W. Smith. 1,819,693; Aug. 18.
Binding and applying same, Edge. B. J. Ordway and A. E. Cushing. 1,791,836; Feb. 10.
Binding for linoleum tops. A. Vanderveld. 1,810,991; June 23.
Binding for uniform suits and the like, Rubber. K. Nakarashian. 1,816,652; July 28.
Binding material together with an iron alloy, Producing a hydraulic aluminous. L. de Lambert. 1,834,770; Dec. 1.
Binding means for the surface coverings of furniture. A. J. E Larson. Re18,077; May 19.
Binding post. W. E. Holland. 1,806,627; May 26.
Binding post. J. G. McClellan. 1,803,718; May 5.
Binding post. C. C. McCue. 1,790,551; Jan. 27.
Binding post. M. Rathbun. 1,801,937; Apr. 21.
Binding post. A. Schneider. 1,825,130; Sept. 29.
Binding post. J. Weritz and D. Hirshfield. 1,795,627; Mar. 10.
Binding, Ski. G. S. Sprague. 1,815,168; July 21.
Bindings and the like, Apparatus for sewing, measuring, and cutting of wind-hose. O. K. Helwig. 1,800,629; Apr. 14.
Binocular. O. E. Trautmann. Des. 83,934; Apr. 14.
Binocular optical instrument. H. S. Cover. 1,811,614; June 23.
Biochemical processes, Carrying out. S. Bakonyi. 1,818,781; Aug. 11.
Bird bath. E. S. Smith. 1,806,123; May 19.
Bird form. G. H. Jacobs. 1,837,662; Dec. 22.
Bis-aminophenyl anthracene and derivatives, Manufacture of. K. Schirmacher, B. Stein, and K. Stenger. 1,801,695; Apr. 21.
Biscuit, cake and pie machine. J. S. Acosta. 1,809,263; June 9.
Biscuit machines, Pan trippper for. H. Devlin. 1,798,728; Mar. 31.
Biscuits, cakes, and the like, Device for setting up. M. M. den Boer. 1,791,399; Feb. 3.
Bismuth, Production of. W. C. Smith. 1,809,871; June 16.
Bismuth, Refining. W. C. Smith and P. Mack, jr. 1,816,620; July 28.
Bismuth tartrate solution, Alkaline. P. A. Kober. 1,801,433; Apr. 21.
Bisulphite liquor and dimagnesium phosphate, Manufacture of. H. Hackl. 1,814,916; July 14.
Bisulphite reactions with sulphur dioxide acid solutions, Making. F. W. Binns and J. M. Lurie. 1,822,122; Sept. 8.
Bit: *See*—

Bridle bit.	Impact bit.
Collapsible bit.	Oil sand bit.
Curb bit.	Roller bit.
Drill bit	Rotary action bit.
Drilling bit.	Rotary drill bit.
Extensible bit.	Well bit.
Expanding bit.	Well drilling bit.
Fish tail bit.	Testing bit.
Horse bit.	

Bit. J. W. Martin. 1,823,567; Sept. 15.
Bit. B. F. Morrill, T. Cookson, and S. Sloane. 1,807,126; May 26.
Bit. E. A. Reed. 1,792,604; Feb. 17.
Bit and bit holder, Mining-machine. E. P. Stenger, J. R. Cartlidge, and F. Cartlidge. 1,795,804; Mar. 10.
Bit forging machine. L. Bortkewicz. 1,818,601; Aug. 11.
Bit-forming machine. N. D. Levin and E. F. Muller. 1,787,827; Jan. 6.
Bit having tangential blades. 1,809,182; June 9.
Bit mortiser, Oscillating. O. Onsrud. 1,787,756; Jan. 6.
Bit or like vise. F. M. Owen. 1,806,912; May 26.
Bits, Self seating device for drilling. E. Smith. 1,805,678; May 19.
Bitumen from bituminous sands and similar bituminous materials, Separating. C. T. Langford and A. J. Teplitz. 1,820,917; Sept. 1.
Bitumen on roadways and the like, Apparatus for spraying of. E. B. Hack. 1,803,248; Apr. 28.
Bituminous composition. E. S. Ross. 1,803,488; May 5.
Bituminous mixtures, Method and apparatus for testing. H. W. Skidmore and G. Abson. 1,789,846; Jan. 20.
Bituminous products. E. S. Ross. 1,817,933; Aug. 11.
Bituminous pulps, Forming feltable. C. L. Keller. 1,792,098; Feb. 10.
Bituminous substance and making same, Coated. O. O. Rieser. 1,788,250; Jan. 6.
Blackboard sheet, Metal. K. Friend. 1,827,389; Oct. 13.
Blade attachment, Saw. J. L. Torgerson. 1,797,108; Mar. 17.
Blade cleaning device, Folding. H. A. W. Wood. 1,827,635; Oct. 13.
Blade construction for compressors of the rotary type. W. G. E. Rolaff. 1,796,535; Mar. 17.
Blade, Cutting. J. H. Dalen. 1,823,031; Sept. 15.
Blade for barber clippers, Lower. A. T. Scheiwer. 1,791,228; Feb. 3.
Blade disinfecting device for pruning shears. H. W. Atkins. 1,836,009; Dec. 15.
Blade, Fine edged. T. H. Frost. 1,827,870–2; Oct. 20.
Blade for concrete mixers. C. M. Tuck. 1,791,880; Feb. 10.
Blade for fans and ventilators. M. Adamcikas and G. Massera. 1,831,729; Nov. 10.
Blade, Masticating and dispersing. E. Schmierer. 1,801,025; Apr. 14.
Blade mounting for underground crop diggers. R. C. Zuckerman. 1,815,087; July 21.
Blade of screw propellers. F. Melcher and E. Schneider. 1,800,313; Apr. 14.
Blade package. J. G. Coleman. 1,801,224; Apr. 14.
Blade package. H. J. Gaisman. 1,796,262; Mar. 10.
Blade propeller, Multiple. H. G. Baugh. 1,819,728; Aug. 18.
Blade propeller, Reversible. G. C. Elmore. 1,799,548; Apr. 7.
Blade, Razor. A. E. Swan. 1,802,289; Apr. 21.
Blade, Safety razor. R. E. Thompson. 1,820,407; Aug. 25.
Blade sharpener. D. A. Moyer. 1,821,721; Sept. 1.
Blades, Assembling. H. J. Gaisman and C. Schumacher. 1,788,570; Jan. 13.
Blades, Making. J. Schick. 1,815,592; July 21.
Blades, Manufacture of detachable. M. Parker. 1,814,182; July 14.
Blading for steam and gas turbines. R. Wagner. 1,803,223; Apr. 28.
Blading, Reaction. B. V. Densmore. 1,828,409; Oct. 20.
Blanc fixe, Manufacture of. J. B. Pierce, jr. 1,828,846; Oct. 27.
Blank and chart for making numerals. S. D. Wilson. 1,797,035; Mar. 17.
Blank and process for making valve tappets. R. Hervig. 1,826,544; Oct. 6.

Blank creasing device. G. W. Swift, jr. 1,828,234; Oct. 20.
Blank feeding and folding apparatus. A. Winkler and M. Dunnebier. 1,834,565; Dec. 1.
Blank feeding mechanism. C. J. Fancher and R. A. Johnson. 1,833,520; Nov. 24.
Blank feeding mechanism, Safety means for. T. H. Bauck. 1,803,992; May 5.
Blank for flat bottom cups. C. Barbieri. 1,802,132; Apr. 21.
Blank forming and manipulating apparatus. H. L. Young. 1,800,332; Apr. 14.
Blank-forming apparatus and method. F. R. Dean. 1,797,568; Mar. 24.
Blank for unbreakable watch crystals. M. C. Campbell. 1,831,703; Nov. 10.
Blank-guiding mechanism. J. Wagner. 1,792,878; Feb. 17.
Blank, Printing plate. V. J. Mohler. 1,827,995; Oct. 20.
Blank slitting and slotting machine. G. W. Swift, jr. 1,814,867; July 14.
Blanks, Apparatus for heading. R. M. Heames and B. W. Lindquist. 1,829,351; Oct. 27.
Blanks, Forming. R. M. Heames. 1,829,397; Oct. 27.
Blanks from sheet metal, Cutting circular and other nonrectangular. J. H. Murch. 1,818,150; Aug. 11.
Blanks, Making. H. A. Hayden. 1,830,027; Nov. 3.
Blanks to envelope making or like machines, Apparatus for feeding. A. Winkler and M. Dunnebier. 1,834,564; Dec. 1.
Blanks, Trimming. R. L. Wilcox. 1,832,166; Nov. 17.
Blanket. A. F. Sarg. Des. 83754–6; Mar. 24.
Blanket. A. F. Sarg. Des. 84,849; Aug. 11.
Blanket. A. F. Sarg. Des. 84,851; Aug. 11.
Blanket, Infant's. L. A. Hummel. 1,811,632; June 23.
Blanket, Quilted. L. Rosenbaum. 1,818,756; Aug. 11.
Blast burner. W. B. Ensign and L. H. V. Reynolds. 1,814,910; July 14.
Blast holes, Method of and explosion member for the blasting of. H. G. Ulrik. 1,816,100; July 28.
Blast furnace. A. B. Haswell. 1,836,025; Dec. 15.
Blast into shaft furnaces, Blowing. A. Wagner and E. Pohl. 1,830,683; Nov. 3.
Blast trap. W. K. Simpson. 1,799,259; Apr. 7.
Blasting cap. H. E. Nash and L. W. Babcock. 1,800,954; Apr. 14.
Blasting cap. W. Pritchard, jr. 1,795,440; Mar. 10.
Blasting cap and ignition material for the same, Electric. H. A. Lewis. 1,797,509; Mar. 24.
Blasting device. D. Hodge. 1,820,566; Aug. 25.
Blasting device, Safety. F. H. Armstrong. 1,829,847; Nov. 3.
Blasting mechanism. D. Ferrell and A. W. Helmholtz. 1,803,501; May 5.
Blasting shell. S. S. Lanier, jr. 1,787,910; Jan. 6.
Bleaching agent and producing same. S. P. Schotz. 1,836,134; Dec. 15.
Bleaching and preparing liquors therefor. L. Bradley and E. P. McKeefe. 1,795,757; Mar. 10.
Bleeder for air brake systems. C. H. Webster. 1,836,417; Dec. 15.
Blende sintering process. L. Boscheron. 1,828,241; Oct. 20.
Blind. H. J. Mackin. 1,799,522; Apr. 7.
Blind and curtain fixtures, Window. S. M. Davis. 1,831,948; Nov. 17.
Blind and curtain fixture, Window. S. M. Davis and H. F. Davis. 1,814,204–5; July 14.
Blind and fitting therefor, Roller. W. J. Hadden. 1,797,204; Mar. 17.
Blind, Antiwhipping device for. Z. E. Russell. 1,794,500; Mar. 3.
Blind bracket, Self locking combination venetian. F. J. Burns. 1,805,611; May 19.
Blind bracket, Venetian. E. Anderson. 1,829,718; Oct. 27.
Blind, Metallic Venetian. W. E. Duncanson. 1,801,912; Apr. 21.
Blind operating mechanism, Venetian. J. W. Dunn. 1,807,061; May 26.
Blind, Roller. E. Zipperle. 1,798,445; Mar. 31.
Blind, Slatted automobile. O. W. Nelson. 1,791,831; Feb. 10.
Blind, Venetian. F. J. Burns. 1,823,236; Sept. 15.
Blind, Venetian. L. E. d'Arx. 1,828,589; Oct. 20.
Blind, Venetian. A. H. Dodge. 1,798,869; Mar. 31.
Blind, Venetian. W. E. Duncanson. 1,801,911; Apr. 21.
Blind, Venetian. W. E. Duncanson. 1,805,238; May 12.
Blind, Venetian. W. E. Duncanson. 1,808,455; June 2.
Blind, Venetian. F. Leeper and J. G. Osbon. 1,790,312; Jan. 27.
Blind, Venetian. L. J. Steffen. 1,816,500; July 28.
Blind, Venetian. T. T. Ward. 1,806,228; May 19.
Blinds, Tilting and locking device for Venetian. J. G. Russell and E. Schatz. 1,822,318; Sept. 8.
Blinds, Truck and guide member for roller. B. Negrini. 1,825,198; Sept. 29.
Block: *See*—
Baffle slot block
Building block.
Chock block.
Cleaning block
Connection block.
Construction block.
Corner block.
Crown block.
Cutting block.
Deck block.
Distributing block.
Distribution block.
Engine block.
Follower block.
Friction clutch block
Furnace block.
Fuse block.
Glass surfacing block.
Hat block.
Hollow block.
Loading block.
Logging block.
Panel block.
Partition block.
Paving block.
Playing card block.
Polishing block.
Pulley block.
Resistor block.
Scotch block.
Sheave block.
Skewer block.
Snatch block.
Starting block.
Stereoprinting block
Tackle block.
Terminal block.
Traveling block.
V block.
Wedge key block.
Wood block.
Block and collapsible stand, Hat. O. Kemery. 1,822,297; Sept. 8.
Block and making the same, Building. F. J. Straub. 1,798,505; Mar. 31.
Block and system, Traveling. H. J. Hollingsworth. 1,828,897; Oct. 27.
Block and wall construction. S. Brozek. 1,789,400; Jan. 20.
Block and wall construction. S. Brozek. 1,794,060; Feb. 24.
Block cleaning machine. L. N. Pelkey. 1,816,054; July 28.
Block cutting apparatus and process, Ceramic. C. A. Fry, C. Harsh, and R. M. Schory. 1,828,462; Oct. 20.
Block for electric terminals, Insulation. E. A. Everett. Des. 84,632; July 14.
Block for pavements and coverings. L. Pessione. 1,812,711; June 30.
Block for steel retainers, Wearing. C. C. Hansen. 1,789,101; Jan. 13.
Block paving machine and the like. E. Kuerts. 1,825,320; Sept. 29.
Blocker and cultivator, Beet. F. J. Thier. 1,831,329; Nov. 10.
Blocking device for conveyer systems, Automatic. F. J. Dietz. 1,815,549; July 21.
Blocks, Making friction. J. S. Thompson. 1,821,487; Sept. 1.
Blood pressure, Apparatus for recording arterial. L. Keeler. 1,788,434; Jan. 13.
Blood-separating machine for serum plants, Centrifugal. C. E. Mitchum. 1,797,876; Mar. 24.
Blood streams, Apparatus for treating. J. F. Williams. 1,838,026; Dec. 22.
Bloomer or like garment. J. P. Boland. 1,830,824; Nov. 10.
Blotter. E. H. Thompson. 1,792,405; Feb. 10.
Blotter, Wrist attachable. V. E. Robison. 1,816,232; July 28.
Blotting device. E. C. and R. W. Hoffstadt. 1,808,602; June 9.
Blotting device. M. T. Talbert. 1,795,015; Mar. 3.
Blotting medium. W. A. Hartline. 1,803,800; May 5.
Blotting pad. B. Howard. 1,826,546; Oct. 6.
Blow-off apparatus for boilers. R. R. Waterman. 1,802,590; Apr. 28.
Blowout announcer. E. Mattern. 1,798,615; Mar. 31.
Blow-out preventer. T. A. Creighton. 1,790,904; Feb. 3.
Blow out preventer. G. G. Harrington. 1,831,956; Nov. 17.
Blow-out preventer. G. A. Humason and J. A. Logan. 1,836,470; Dec. 15.
Blow out preventer. B. M. Jensen. 1,812,297; June 30.
Blow-out preventer. W. E. King and J. S. Abercrombie. 1,834,063; Dec. 1.
Blow-out preventer. J. Melott. 1,800,694; Apr. 14.
Blow-out preventer. C. A. Rasmussen and W. A. Trout. 1,836,506; Dec. 15.
Blow out preventer. G. H. C. van Keulen. 1,830,214; Nov. 3.
Blow-out preventer, Fluid pressure operated. J. S. Abercrombie. 1,834,922; Dec. 8.
Blow-out preventer, Quick acting. J. S. Abercrombie. 1,834,921; Dec. 8.
Blowout preventing device and oil saver for drilling rigs. J. McNeff and S. Hogan. 1,810,431; June 16.
Blowpipe. F. S. Austin and L. Campbell, jr. 1,830,459; Nov. 3.
Blowpipe. J. E. Vincent. 1,809,652; June 9.
Blowpipe apparatus. F. C. Hasse. 1,829,592; Oct. 27.
Blowtorch. P. M. Forster. 1,800,616; Apr. 14.
Blowtorch. L. C. Salzer. 1,835,723; Dec. 8.
Blower. E. L. Anderson. 1,787,652; Jan. 6.
Blower. E. M. May. 1,834,959; Dec. 8.
Blower. J. J. Stoetzel. 1,805,055; May 12.
Blower and heater, Combination. W. A. Brown. Re18,240; Nov. 3.
Blower and pump, Rotary. E. W. Swartwout. 1,818,767; Aug. 11.
Blower, Automatic feed wheel. C. J. Ernst. 1,837,957; Dec. 22.
Blower, Combination boiler tube. D. Young. 1,836,101; Dec. 15.
Blower, High speed. F. W. Kennedy. 1,825,622; Sept. 29.
Blower pump, and meter, Rotary. E. W. Swartwout. 1,818,768; Aug. 11,
Blower unit, Mobile. R. C. Hopkins. 1,806,460; May 19.
Blowers, Apparatus for lubricating rotary. J. C. Beckfield. 1,832,614; Nov. 17.
Blowers, Regulating means for. A. Baumann. 1,833,064; Nov. 24.

Blowing device. P. A. Williams. 1,792,881; Feb. 17.
Blowing device for rock drills. A. G. Slatcher. 1,831,370; Nov. 10.
Blowing device for rock drills. W. A. Smith, jr., and G. H. Fuehrer. 1,813,774; July 7.
Blue printing apparatus. A. B. Dickey. 1,817,242; Aug. 4.
Bluing and dyeing device. L. D. Mahan. 1,800,692; Apr. 14.
Bluing device. R. Giguere. 1,820,794; Aug. 25.
Board: *See*—

Acoustical board.	Operating board.
Bobbin board.	Panel board.
Building board.	Pin board.
Bulletin board.	Plaster board.
Composite board.	Press board.
Crushing board.	Punch board.
Display board.	Score board.
Drawing board.	Setting out board.
Finger board.	Shampoo board.
Flying instrument board.	Sign board.
Folding ironing board.	Spot board.
Game board.	Steam board.
Instrument board.	Steaming board
Ironing board.	Terminal board.
Ladder and ironing board.	Tile board.
Motor surfboard.	Toe board.
Music instruction board.	Wall board.

Board and hose carrier, Running. F. G. Thwaits. 1,816,028; July 28.
Board and making same, Building. H. A. Cumfer. 1,831,058; Nov. 10.
Board and preparing same, Waterproof. H. L. Levin. 1,793,810; Feb. 24.
Board control mechanism. J. A. Besal and L. R. Medaris. 1,829,035; Oct. 27.
Board cutting machine. N. J. Vogel and F. R. Quick. 1,829,075; Oct. 27.
Board end matching and sawing machine. J. E. Kalgren. 1,803,020; Apr. 28.
Board for filing drawers, Divider. R. A. Furlong. 1,836,234; Dec. 15.
Board for stock car doors, Bull. C. H. Thornhill. 1,812,813; June 30.
Board, Making composite corrugated and solid fiber. P. F. Boeye. 1,821,539; Sept. 1.
Board making machine. C. A. Upson and O. R. Winter. 1,806,006; May 19.
Board, Producing building. C-J. H. Nordenswan. 1,805,883; May 19.
Board, sheathing lumber and the like, Wall. C. Marx and E. R. Darling. 1,828,029; Oct. 20.
Board structure and clip therefor, Plaster-. F. M. Venzie. 1,800,670; Apr. 14.
Board switch, Panel-. H. E. Leppert. 1,795,434; Mar. 10.
Boards, Apparatus and process for making. W. A. Darrah. 1,821,209; Sept. 1.
Boards, Filling. A. D. Meiselbach. 1,792,856; Feb. 17.
Boards from redwood bark, Production of sheathing. E. R. Darling. 1,828,028; Oct. 20.
Boat. C. J. Baer and C. F. Jeffries. 1,797,600; Mar. 24.
Boat. H. Brock. 1,792,140; Feb. 10.
Boat. A. P. Brush. 1,831,339; Nov. 10.
Boat. W. J. De Witt. 1,816,365; July 28.
Boat. T. L. Donaldson. 1,805,131; May 12.
Boat. L. N. Hampton. 1,834,397; Dec. 1.
Boat. E. F. Hollis. 1,790,094; Jan. 27.
Boat. E. Nador. 1,794,417; Mar. 3.
Boat. C. G. Rentos. 1,818,356; Aug. 11.
Boat. E. L. Roberts. Des. 84,442; June 16.
Boat. V. D. Shoup. 1,790,624; Jan. 27.
Boat. A. E. Wright. 1,837,641; Dec. 22.
Boat, Air cushion. D. K. Warner. 1,815,216; Aug. 18.
Boat and like craft, Flying. L. R. Grumman. 1,799,555; Apr. 7.
Boat attachment. G. W. Cable. 1,791,347; Feb. 3.
Boat, Automobile. W. C. Lewis and H. T. Powers. 1,804,262; May 5.
Boat chock. A. P. Schat. 1,807,104; May 26.
Boat closet. K. Schwarz. 1,822,319; Sept. 8.
Boat, Collapsible. R. J. H. Hudson. 1,793,617; Feb. 24.
Boat construction. W. C. Grayson and W. Grant. 1,835,564; Dec. 8.
Boat construction. H. W. Hall. 1,794,895; Mar. 3.
Boat construction. G. W. Heinemann. 1,837,710; Dec. 22.
Boat construction. G. W. and A. Heinemann. 1,837,711; Dec. 22.
Boat construction, Buoyant. A. N. Nelsen. 1,837,472; Dec. 22.
Boat construction, House-. W. Wilson. 1,788,264; Jan. 6.
Boat construction, Metal. D. Liamin. 1,805,669; May 19.
Boat, Electric motor. K. M. Grier. 1,832,808; Nov. 17.
Boat equipment. P. C. Sturges. 1,820,923; Sept. 1.
Boat, Flying. O. W. Johnson. 1,825,592; Sept. 29.
Boat, Flying. G. Loening. 1,811,550; June 23.
Boat, Flying. F. Wurth. 1,802,996; Apr. 28.
Boat, Folding. H. Hart. 1,817,557; Aug. 4.
Boat hull. E. B. Carns. 1,822,199; Sept. 8.
Boat, Hydrofoil. S. S. Breese. 1,833,481; Nov. 24.
Boat, Ice and water. M. C. Knight. 1,816,118; July 28.
Boat installation, Motor. J. W. Harvey. 1,824,887; Sept. 29.
Boat joint construction. C. H. Rogers. 1,825,091; Sept. 29.
Boat-launching apparatus, Life-. J. L. Hyland. 1,789,551; Jan. 20.
Boat launching device. A. D. McKenzie. 1,827,535; Oct. 13.
Boat, Life. W. J. Krolman. 1,833,326; Nov. 24.
Boat, Mechanically-propelled. C. A. Skarlund. 1,799,183; Apr. 7.
Boat, Metal. P. Pritchard. 1,823,986; Sept. 22.
Boat, Nonsinkable. E. A. Parker and R. Cutsinger. 1,819,570; Aug. 18.
Boat, Non-sinkable life. W. Barnett. 1,801,480; Apr. 21.
Boat or pontoon, Streamline. A. F. Wallman and C. D. Goff. 1,797,252; Mar. 24.
Boat, Outboard motor. R. J. Pouliot. 1,818,273; Aug. 11.
Boat plank fitting method. A. R. De Witt. 1,828,103; Oct. 20.
Boat, Pontoon house. L. N. Bell. 1,825,613; Sept. 29.
Boat propelling and steering apparatus. J. O. Fleming and P. Paul. 1,795,596; Mar. 10.
Boat propelling and steering apparatus, Convertible. J. H. Gaskins. 1,822,965; Sept. 15.
Boat propelling means, Ferry. L. Y. Spear. 1,802,931; Apr. 28.
Boat propelling unit. M. L. Louvier. 1,823,109; Sept. 15.
Boat propulsion mechanism. L. C. Longstreet. 1,804,882; May 12.
Boat propulsion, Pneumatic. C. A. Price. 1,792,031; Feb. 10.
Boat release and utility hook, Combination automatic. O. D. Butler. 1,809,945; June 9.
Boat seam sealing method. A. R. De Witt. 1,805,812; May 19.
Boat, Speed. W. J. Snadecki. 1,811,981; June 30.
Boat, Speed. C. A. Volf, jr. 1,837,508; Dec. 22.
Boat structure with detachable cabin. H. Olson. 1,832,046; Nov. 17.
Boat, Submarine. H. F. Grieshaber. 1,815,904; July 28.
Boat, Submarine. R. C. Simpson. 1,795,686; Mar. 10.
Boat to the water with automatic disengagement of the suspension hooks, Apparatus for lowering vessels' life. C. Sacerdoti. 1,830,134; Nov. 3.
Boat, Tunnel. D. W. Taylor. 1,827,859; Oct. 20.
Boat, Tunnel. D. W. Taylor. 1,838,335; Dec. 29.
Boat, Wading. E. A. De Noya. 1,824,711; Sept. 22.
Boats and the like, Propelling means for. R. T. Crosby. 1,826,507; Oct. 6.
Boats, Apparatus for submarine. B. Filbert. 1,790,414; Jan. 27.
Boats, barges, and like vessels, Method of and apparatus for unloading. K. Schöen. 1,823,172; Sept. 15.
Boats from water, Arrangement for freeing. J. C. Clason. 1,819,074; Aug. 18.
Boats, Propulsion means for. H. G. Davidson. 1,804,323; May 5.
Boats, Speed-retarding device for. E. N. Cavert. 1,799,455; Apr. 7.
Bobbin. A. Hlavac. 1,827,875; Oct. 20.
Bobbin. J. F. Malcolm. 1,834,032; Dec. 1.
Bobbin and bobbin clutching spindle. G. R. Goff. 1,834,914; Dec. 1.
Bobbin board. F. Davis. 1,797,464; Mar. 24.
Bobbin bushing. E. C. Buffington. 1,811,609; June 23.
Bobbin changing device. H. Buddecke. 1,810,754; June 16.
Bobbin-changing mechanism. J. Lucas. 1,794,024; Feb. 24.
Bobbin clutch for spindles. D. Lemoine and G. Fournier. 1,809,049; June 9.
Bobbin clutch for spindles. G. H. Magrath. 1,820,574; Aug. 25.
Bobbin-clutching means for rotatable spindles. W. I. Stimpson. 1,796,770; Mar. 17.
Bobbin device, Braiding. A. Zehnder and J. Kappeler. 1,788,266; Jan. 6.
Bobbin filling carrier. O. Reinhardt. 1,820,159; Aug. 25.
Bobbin for automatic looms. W. H. Wakefield. 1,826,333; Oct. 6.
Bobbin for electrical feelers, Weft. O. V. Payne. 1,832,577; Nov. 17.
Bobbin for electrical weft detectors. R. G. Turner. 1,797,932; Mar. 24.
Bobbin for electrical weft detectors. R. G. Turner. 1,832,595; Nov. 17.
Bobbin for weft replenishing looms. R. G. Turner. 1,807,716; June 2.
Bobbin holder of yarn winding spindle. C. B. Layfield. 1,821,556; Sept. 1.
Bobbin marking device. W. A. Woodruff. 1,825,567; Sept. 29.
Bobbin, Perforated. B. Gordon, jr. 1,834,915; Dec. 1.
Bobbin stripping machine. W. W. Linder. 1,805,452; May 12.
Bobbin support. L. B. Hasbrouck. 1,821,706; Sept. 1.
Bobbin transfer feeler. H. M. Jeffrey. 1,805,548; May 19.
Bobbins and making them, Combined inner metal shield and outer metal grip for. C. E. Cundey. 1,807,198; May 26.
Bobbins, Bunch building on. J. G. Kershaw and R. Dawson. 1,835,058; Dec. 8.
Bobbins in preparatory weaving machines, Exchanging the. W. Reiners and G. Kahlisch. 1,807,495; May 26.

Bodies adapted for rising and falling movement, Device for balancing. H. R. and H. N. Webb. 1,808,273; June 2.
Bodies adapted to secure uniform movement of films, Device for starting heavy rotary. A. Poulsen and A. C. G. Petersen. 1,802,065; Apr. 21.
Bodies by centrifugal force, Apparatus for molding hollow. R. A. Whitson 1,828,916; Oct. 27.
Bodies capable of a rising and falling movement, Device for balancing. H. R. and H. N. Webb. 1,834,661–2; Dec. 1.
Bodies from aircraft, Device for dropping of solid. J. Tritschler. 1,836,633; Dec. 15.
Bodies from rosin, Removing color. I. W. Humphrey. 1,832,864; Nov. 24.
Bodies having a rising and falling movement, Device for balancing. H. R. and H. N. Webb. 1,829,694; Oct. 27.
Bodies having projecting anchoring elements, Making reenforced. E. E. Fisher. 1,831,237; Nov. 10.
Bodies in finely divided states, Preparation of solid. A. J. Hailwood and A. Shepherdson. 1,837,772; Dec. 22.
Bodies, Method and apparatus for making curved. G. Hartmann. 1,824,482; Sept. 22.
Bodies of different weight, Device for sorting. P. Schoonenberg. 1,835,186; Dec. 8.
Bodies of powderous material, Process of and apparatus for producing pressed. P. J. and J. P. Spengler. 1,803,814; May 5.
Bodies on vehicles, Holding demountable. B. F. Fitch. 1,814,304; July 14.
Bodies, particularly aircraft, on or from platforms such as ships or landing stages, Device for taking up and setting down floating. W. Kiwull. 1,828,251; Oct. 20.
Bodies, Separation of ortho-dihydroxybenzene. D. W. Parkes. 1,821,815; Sept. 1.
Bodies, Shaping metallic. L. G. Firth and P. F. Longnecker. 1,836,311; Dec. 15.
Bodies submerged in water, Device for lifting. R. R. Claus. 1,806,786; May 26.
Bodies upon driving shafts, Mounting rotating. O. Suhner. 1,790,446; Jan. 27.
Body and chassis construction, Combined. J. Ledwinka. 1,825,323; Sept. 29.
Body, Automobile. T. B. Ellison. Des. 85,579; Nov. 17.
Body, Automobile. G. E. Grimm. 1,832,845; Nov. 24.
Body, Automobile. M. H. Toncray. 1,820,257; Aug. 25.
Body bolster center plate and mounting. M. H. Martin. 1,806,075; May 19.
Body brace. P. Reinöhl. 1,797,022; Mar. 17.
Body construction. P. E. Breneman. 1,787,718; Jan. 6.
Body construction. A. W. Campbell. 1,823,643; Sept. 15.
Body construction. A. A. Cripps. 1,826,125; Oct. 6.
Body construction. J. R. Hughes. 1,824,719; Sept. 22.
Body construction, Pressed metal. J. Ledwinka. 1,825,275; Sept. 29.
Body containing rhenium, Homogenous. W. and I. Noddack. 1,829,756; Nov. 3.
Body, Convertible. R. L. Carr. 1,826,865; Oct. 13.
Body for a portable cigar and cigarette lighter. F. Mariani. Des. 83,822; Mar. 31.
Body for decorative articles and the like, Woven. S. Feiler. 1,821,504; Sept. 1.
Body for motor vehicles, Convertible. D. C. Dupre. 1,800,514; Apr. 14.
Body for transporting concrete. E. N. Jones. 1,798,845; Mar. 31.
Body for trucks, Roller dump. H. C. Gentry. 1,825,901; Oct. 6.
Body frame. J. G. Lovell. 1,828,743; Oct. 27.
Body frame, Pressed metal. J. Ledwinka. 1,826,425; Oct. 6.
Body headrest for undertakers' use. J. H. Sweeney. 1,815,171; July 21.
Body, Hollow and solid made of paper-pulp, wood-pulp, or the like with metal reenforcing. O. Von Rottenburg. 1,831,050; Nov. 10.
Body mechanism for trucks, Removable. W. A. Denehie. 1,816,041; July 28.
Body, Motor lift dumping. A. P. Lee. 1,830,608; Nov. 3.
Body, Motor-vehicle. J. H. Butler. 1,800,777; Apr. 14.
Body of motor road vehicle. H. Garner. 1,795,208; Mar. 3.
Body panels, Apparatus for trimming. O. J. Groehn. 1,809,843; June 16.
Body to receive and reproduce wave frequencies, Preparing a magnetizable. R. B. T. Kiliani. 1,828,190; Oct. 20.
Body to rest, Device for bringing a moving. J. Fieux. 1,806,992; May 26.
Body treating device. R. L. Barker. Des. 85,076; Sept. 15.
Boiler: *See*—
Bent tube boiler.
Circulation boiler.
Copper boiler.
Egg boiler.
Enameled boiler.
Fire tube boiler.
Gas boiler.
Heating boiler.
High-pressure boiler.
Locomotive boiler.
Mercury-vapor boiler.
Oil burner boiler.
Sectional boiler.
Sectional heating boiler.
Semi-flash boiler.
Stationary boiler.
Steam and hot water boiler.
Steam boiler.
Steam flash boiler.
Superheater boiler.
Tube boiler.
Tubular boiler.
Waste heat boiler.
Water tube boiler.
Boiler. W. H. Armacost. 1,829,919; Nov. 3.
Boiler. F. W. Baker. 1,808,488; June 2.
Boiler. A. A. Bégis. 1,800,047; Apr. 7.
Boiler. J. B. Bernhard. 1,820,901; Sept. 1.
Boiler. C. E. Bronson. 1,791,115; Feb. 3.
Boiler. F. M. Caron. 1,813,906; July 14.
Boiler. V. D. Conklin. 1,837,534; Dec. 22.
Boiler. T. A. Curran. 1,790,463; Jan. 27.
Boiler. L. Davidson. 1,815,882; July 21.
Boiler. J. F. Dickson. 1,798,247; Mar. 31.
Boiler. C. W. Gordon. 1,807,238; May 26.
Boiler. C. W. Gordon. 1,818,390; Aug. 11.
Boiler. O. H. Hartmann. 1,809,896; June 16.
Boiler. L. Hartung, jr. 1,812,094; June 30.
Boiler. G. H. Irwin. 1,811,938; June 30.
Boiler. D. S. Jacobus. 1,824,084; Sept. 22.
Boiler. H. J. Kerr. 1,816,650; July 28.
Boiler. H. J. Kerr. 1,823,050; Sept. 15.
Boiler. W. F. Kiesel, jr. 1,825,594; Sept. 29.
Boiler. E. C. Kline. 1,829,148; Oct. 27.
Boiler. W. A. J. Kreager. 1,829,993; Nov. 3.
Boiler. W. A. J. Kreager. 1,835,500; Dec. 8.
Boiler. G. Lasker. 1,813,058; July 7.
Boiler. J. H. Lawrence. 1,830,169; Nov. 3.
Boiler. J. W. Lockett and S. Tucker. 1,832,311; Nov. 17.
Boiler. A. Magis and A. Huet. 1,829,870; Nov. 3.
Boiler. F. M. Miner, jr., and W. C. Daumling. 1,820,286; Aug. 25.
Boiler. J. J. Rathgeb, jr. 1,806,178; May 19.
Boiler. E. Roucka. 1,835,091; Dec. 8.
Boiler. S. K. Smith. 1,829,196; Oct. 27.
Boiler. H. V. Stevens. 1,819,134; Aug. 18.
Boiler. W. R. Stockwell. 1,837,593; Dec. 22.
Boiler. J. Van Brunt. 1,832,064; Nov. 17.
Boiler. W. N. Van Fleet. 1,803,155; Apr. 28.
Boiler. A. C. Weigel. 1,832,071; Nov. 17.
Boiler. A. U. Wetherbee. 1,820,520; Aug. 25.
Boiler. B. B. Whittam. 1,804,907; May 12.
Boiler. P. Wright. 1,827,865; Oct. 20.
Boiler and evaporator. H. R. F. Kock, and K. A. R. Quitt. 1,808,663; June 2.
Boiler and forming the same, Steam. J. J. Mays. 1,815,627; July 21.
Boiler and furnace. O. De Lorenzi. 1,832,103; Nov. 17.
Boiler and furnace. G. P. Jackson. 1,832,126; Nov. 17.
Boiler and operating the same, Steam. H. Webster. 1,834,261; Dec. 1.
Boiler and setting therefor, Steam. B. B. Whittam. 1,797,386; Mar. 24.
Boiler and soot blower tube, Removable. C. S. Turner. 1,833,543; Nov. 24.
Boiler and superheater. C. F. Wigren. 1,829,885; Nov. 3.
Boiler and superheater, Steam. I. L. Langvand. 1,827,529; Oct. 13.
Boiler baffle. H. J. Blanton. 1,835,263; Dec. 8.
Boiler blow-off and refilling system. F. W. Miller. 1,812,974; July 7.
Boiler circulator. A. McNab. 1,816,335; July 28.
Boiler cleaner. L. J. Bayer. 1,803,495; May 5.
Boiler cleaner. F. Bowers. 1,807,276; May 26.
Boiler cleaner. F. Bowers and N. L. Snow. 1,790,403; Jan. 27.
Boiler cleaner. N. L. Snow. 1,790,953; Feb. 3.
Boiler cleaner. N. L. Snow. 1,796,900; Mar. 17
Boiler cleaner. N. L. Snow. 1,802,583; Apr. 28.
Boiler cleaner. N. L. Snow. 1,818,965; Aug. 11.
Boiler cleaner. N. L. Snow. 1,833,886; Nov. 24.
Boiler cleaner. N. L. Snow. 1,838,008; Dec. 22.
Boiler cleaner. N. L. Snow, F. Bowers, and C. L. Howse, 1,805,454; May 12.
Boiler cleaner. N. L. Snow and C. F. Hirshfeld. 1,809,221; June 9.
Boiler connection, Steam-. W. A. Jones. 1,787,730; Jan. 6.
Boiler construction. R. J. Adams. 1,790,215; Jan. 27.
Boiler construction. G. A. Collins. 1,824,874; Sept. 29.
Boiler construction. H. M. Jerome. 1,804,777; May 12.
Boiler construction, Water tube. K. L. Martin. 1,809,133; June 9.
Boiler control device. A. D. Griffin. 1,825,690; Oct. 6.
Boiler control system. J. W. Doble. 1,822,133; Sept. 8.
Boiler control system. C. B. Page and E. W. Redderson. 1,835,611; Dec. 8.
Boiler economizer systems, Steam-. D. S. Jacobus. 1,800,217; Apr. 14.
Boiler feed apparatus. E. S. Hall. 1,817,189; Aug. 4.
Boiler feed regulator. T. Kallmeyer. 1,817,379; Aug. 4.
Boiler feed water control device. W. Doble. 1,804,751; May 12.
Boiler feed water system. A. Spyer. 1,806,371; May 19.
Boiler feeding device. L. Nemenyi. 1,826,017; Oct. 6.
Boiler-flue rolling apparatus. R. O. Morrison. 1,819,915; Aug. 18.
Boiler furnace. L. W. Heller. 1,827,197; Oct. 13.
Boiler furnace. J. Van Brunt. 1,795,383; Mar. 10.
Boiler furnace, Pulverized-coal-burning. O. de Lorenzi. 1,792,104; Feb. 10.
Boiler furnace, Sectional. R. W. Menk. 1,822,707; Sept. 8.
Boiler generating steam according to the indirect method. R. Uhde. 1,806,030; May 19.
Boiler header. P. R. Delling and H. W. Lindemann. 1,789,427; Jan. 20.
Boiler headers, Apparatus for and making. J. J. Cain. 1,819,636; Aug. 18.

Boiler in which the steam is generated indirectly. F. Wempe and H. Peperkorn. 1,790,396; Jan. 27.
Boiler installation. S. A. Jacques. 1,835,306; Dec. 8.
Boiler installation and operating the same, Steam. J. Kemnal. 1,835,309; Dec. 8.
Boiler installation on steam-turbine plants for aircraft. R. Wagner. 1,800,124; Apr. 7.
Boiler installation, Stoker fired. E. Lundgren. 1,807,318; May 26.
Boiler particularly for locomotives and locomobiles, Water. U. Barske. 1,795,537; Mar. 10.
Boiler plant. A. Rühr. 1,795,894; Mar. 10.
Boiler plant for portable engines, High pressure steam. O. H. Hartmann. 1,802,421; Apr. 28.
Boiler structure. T. E. Murray. 1,791,064; Feb. 3.
Boiler system, Automatically regulated semi-flash. A. L. Muren. 1,821,112; Sept. 1.
Boiler-tube cleaner. H. L. Staley. 1,790,954; Feb. 3.
Boiler tube cleaner. H. L. Staley. 1,806,127; May 19.
Boiler tube cleaner. H. L. Staley. 1,810,301; June 16.
Boiler tube cleaning apparatus. G. C. Vennum. 1,817,278; Aug. 4.
Boiler wall. T. E. Murray and J. H. Lawrence. 1,799,633; Apr. 7.
Boiler with high evaporative capacity. A. Dhome. 1,796,512; Mar. 17.
Boiler with magazine above the zone of combustion, Upright. M. Treschow. 1,836,736; Dec. 15.
Boiler with superheater. C. W. Gordon. 1,808,951; June 9.
Boilers against flowing back of boiler water when feeding system leaks, Protecting steam. S. Haga. 1,828,138; Oct. 20.
Boilers, Apparatus for cleaning. B. M. Thompson. 1,815,993; July 28.
Boilers, Apparatus for continuous blow down for. L. D. Kensig. 1,812,050; June 30.
Boilers, Apparatus for continuous blow down for. L. D. Kensig. 1,818,483; Aug. 11.
Boilers, Automatic regulating device for. A. M. Mertzanoff. 1,788,582–3; Jan. 13.
Boilers, Circulating duct for. H. H. Peek and A. C. Grist. 1,811,592; June 23.
Boilers, Cleaning. B. M. Thompson. 1,812,275; June 30.
Boilers, Electrolytic protective means for. A. Kirkaldy. 1,796,715; Mar. 17.
Boilers, Equalizing feed means for water tube. F. C. Gedge. 1,807,088; May 26.
Boilers, Feed-water regulator for. J. G. Weir. 1,795,190; Mar. 3.
Boilers, Injector for electric. K. O. Elderkin. 1,802,636; Apr. 28.
Boilers or the like, Scale-prevention in. W. M. Reichart. 1,825,477; Sept. 29.
Boilers, Particular construction of tubular. M. Eule. 1,812,472; June 30.
Boilers, Water-level indicator for. J. J. Cain. 1,791,120; Feb. 3.
Boll weevil exterminator. E. P. Griffith. 1,823,196; Sept. 15.
Bolster. G. T. Johnson and H. W. Stertzbach. 1,789,409; Jan. 20.
Bolster. T. H. Symington. 1,788,130; Jan. 6.
Bolster and making same. J. M. Rohlfing. 1,827,404; Oct. 13.
Bolster, Car truck. H. D. Taylor. 1,820,924; Sept. 1.
Bolster support. D. F. Sproul. 1,812,723; June 30.
Bolt: *See*—
Connecter bolt.
Expansion bolt.
Hame lug bolt.
Key bolt.
King bolt.
Masonry bolt.
Spring bolt.
Toggle bolt.
Wear compensating bolt.
Bolt. S. H. Campbell and F. K. Habenicht. 1,820,556; Aug. 25.
Bolt. L. A. Hoerr and F. H. Pietzsch. 1,821,709; Sept. 1.
Bolt. W. M. Horton. 1,822,657; Sept. 8.
Bolt. C. E. McMullin. 1,830,554; Nov. 3.
Bolt. G. W. Silbaugh. 1,798,002; Mar. 24.
Bolt. S. E. Songey. 1,815,422; July 21.
Bolt. E. M. Twedell. 1,827,628; Oct. 13.
Bolt anchor and method. H. W. Pleister. 1,808,318; June 2.
Bolt and locking sleeve. H. V. Haight. 1,817,188; Aug. 4.
Bolt cutter. C. A. Medean, jr. 1,818,237; Aug. 11.
Bolt for connecting rods and the like. C. Balough. 1,836,949; Dec. 15.
Bolt for radiator hangers, Distance. C. H. Cobb. 1,795,163; Mar. 3.
Bolt for spring locks, Locking. J. Desplats. 1,788,016; Jan. 6.
Bolt for trunks and other luggage, etc., Toggle. H. R. Naylor. 1,827,369; Oct. 13.
Bolt-heading machines, Knockout and kicker rigging on. W. H. Castner. 1,794,832; Mar. 3.
Bolt lock, Rotary. S. Segal. 1,790,512; Jan. 27.
Bolt making machine. R. H. Smith and L. A. Frayer. 1,835,910; Dec. 8.
Bolt substitute. A. C. Earhart. 1,815,098; July 21.
Bolt tightener, Railway. H. E. Woolery. 1,807,367; May 26.
Bolting-cloth cleaner, Gyrating. A. Gillespie. 1,799,416; Apr. 7.
Boltless structure. W. N. Vance, J. B. O'Connor, and J. B. Adler. 1,798,182; Mar. 31.
Bolts and nuts Interlocking. J. Long. 1,815,517; July 21.
Bolts and similar connecting devices, Making. T. L. MacBean. 1,828,287; Oct. 20.
Bomb. M. H. Davis and D. L. Woodberry. 1,791,716; Feb. 10.
Bomb, Bass. G. E. Spofford. 1,807,712; June 2.
Bomb for rifles or bomb-firing appliances, Percussion. R. Bossone. 1,788,856; Jan. 13.
Bomb for use with a special bomb-thrower or with firearms already existing and having a smaller caliber than the bomb. D. Samaia. 1,806,223; May 19.
Bomb sight. G. Estoppey. 1,804,679; May 12.
Bomb sight, Synchronous. J. Dugan. 1,800,931; Apr. 14.
Bomb, Vault gas. A. J. Macy. 1,792,023; Feb. 10.
Bombs, Apparatus for and method of loading. H. H. Olmstead. 1,811,061; June 23.
Bonding mold. W. G. Beauregard. 1,828,020; Oct. 20.
Bone, Fast dyeing. E. C. Bertolet. 1,812,734; June 30.
Bone-fracture clamp. L. Weisenbach. 1,789,060; Jan. 13.
Bonnet for rectifying columns. C. S. Piggot. 1,824,836; Sept. 29.
Book. C. E. Gale. 1,819,159; Aug. 18.
Book and record, Check. J. W. Schoelch. 1,823,513; Sept. 15.
Book, Appointment. C. H. Manzler. 1,819,429; Aug. 18.
Book assembly machine. C. L. Moyer. 1,832,876; Nov. 24.
Book, Automatic advertising display. E. S. Kadlec. 1,837,663; Dec. 22.
Bookbinder, Manifold. W. F. Baker. 1,819,940; Aug. 18.
Book binding. Roy C. Baker. 1,791,459; Feb. 3.
Bookbinding. C. R. Howard. 1,798,842, Mar. 31.
Book binding machine. R. E. Ackley. 1,805,157; May 12.
Bookbinding machine. R. E. Ackley. 1,835,685; Dec. 8.
Bookcase. A. F. Gifford. Des. 83,726; Mar. 24.
Bookcase, clockcase, and radiocabinet, Combined. J. M. Mullin. Des. 84,588; July 7.
Book, Check. W. E. Smith. 1,831,148; Nov. 10.
Book, Combination display and information. J. M. Swan. 1,828,084; Oct. 20.
Book-cover-making machine. A. Kirschhofer. 1,794,521; Mar. 3.
Book cover or similar article. C. A. Bell. Des. 84,971; Sept. 1.
Book covering machine. P. E. Kleineberg. 1,811,201; June 23.
Book covering machine. P. E. Kleineberg. 1,819,030; Aug. 18.
Book, Daily plan. E. F. Irwin. 1,829,282; Oct. 27.
Book end. H. J. Hamilton and A. E. Stone. Des. 84,582; July 7.
Book end. R. J. Hill. Des. 84,036; Apr. 28.
Book end. A. G. Leake. Des. 85,105; Sept. 15.
Book end. A. M. Lynch. Des. 84,155; May 12.
Book end or similar article. C. Kaufman. Des. 83,812; Mar. 31.
Book end or similar article. A. von Frankenberg. Des. 83,780; Mar. 24.
Book-finishing machine. L. W. Meyers. 1,796,574; Mar. 17.
Book hanger. G. A. Schwartzel. 1,829,911; Nov. 3.
Bookholder. W. H. Greeley. 1,811,124; June 23.
Bookholder. C. Pharr. 1,827,166; Oct. 13.
Bookholder. C. R. Schenken. 1,787,839; Jan. 6.
Bookholder. E. J. Sithens. 1,821,279; Sept. 1.
Bookkeeping appliance. H. A. Schlaepfer. 1,803,564; May 5.
Bookkeeping device. O. L. Hermann. 1,818,253; Aug. 11.
Bookkeeping machine. R. Baumgarten and W. Hesselmann. 1,790,298; Jan. 27.
Bookkeeping machine. E. Breitling, W. Brauer, and K. A. Lehmann, and B. Bornkessel. 1,839,138; Dec. 29.
Bookkeeping machine. W. J. Pasinski. 1,837,832; Dec. 22.
Book, Loose-leaf. J. Barker. 1,790,693; Feb. 3.
Book, Loose leaf. Le R. E. Hutchings. 1,825,351; Sept. 29.
Book, Loose leaf. J. A. Keene. 1,815,511; July 21.
Book, Loose-leaf. C. D. Trussell. 1,790,778; Feb. 3.
Book, Loose leaf ring. H. T. Adams. 1,813,599; July 7.
Book, Loose leaf ring. H. B. Lewis. 1,827,592; Oct. 13.
Book, Loose-leaf ring. J. Schade. 1,787,957; Jan. 6.
Bookmaking machine. E. R. Seiter. 1,791,081; Feb. 3.
Book, Manifolding. E. K. Bottle. 1,800,207; Apr. 14.
Book, Manifolding. E. K. Bottle. 1,804,145; May 5.
Book, Manifolding. L. Huffman. Re18,134; July 21.
Book, Manifolding. A. H. Phillips. 1,838,325; Dec. 29.
Bookmark. J. C. Baumgarten. 1,790,449; Feb. 3.
Bookmark. R. H. Moore. 1,808,931; June 9.
Bookmark. R. H. Moore. 1,816,910; Aug. 4.
Bookmark. C. A. Pfuderer. 1,803,726; May 5.
Bookmark and memorandum pad, Combined. A. W. Kelly. 1,802,081; Apr. 21.
Bookmark, Automatic. H. M. Fuller. 1,813,446; July 7.
Bookmarker. E. Bergman. Des. 85,153; Sept. 22.
Book-match machines, Transfer mechanism for. L. E. Parker. 1,789,253; Jan. 13.
Book novelty, Miniature. N. M. Kirshner. 1,838,489; Dec. 29.
Book of tooth picks. S. Wissig. 1,819,451; Aug. 18.

Book or pad holding device, Sales. G. E. Gates. 1,836,161; Dec. 15.
Bookrest. T. Gensmer. 1,810,205; June 16.
Book rest. A. W. Wiberg. 1,797,889; Mar. 24.
Book rest, Adjustable. M. Isaacson. 1,821,060; Sept. 1.
Bookstack. E. Ohnstrand. 1,806,642; May 26.
Bookstand. W. E. Haskin. 1,821,802; Sept. 1.
Book stand. E. L. Krag. 1,815,304; July 21.
Book trimming machine. R. E. Ackley. 1,813,598; July 7.
Book, Visible index. J. Schade. 1,822,669; Sept. 8.
Booklet. F. L. Westerman. 1,799,490; Apr. 7.
Books, Apparatus for gluing backs onto. A. Peterson. 1,810,223; June 16.
Books, Back for loose-leaf ring. J. Schade. 1,787,958; Jan. 6.
Books, Booster for loose-leaf ring. J. Schade. 1,787,956; Jan. 6.
Books, Making. D. S. McChesney and J. Cooper. 1,799,617; Apr. 7.
Books, Method of binding. H. C. Alger and P. A. Frazier. 1,804,392; May 12.
Books or magazines, Binding. E. R. Kast. 1,793,552; Feb. 24.
Boom construction for paving machines. P. A. Koehring. 1,827,527; Oct. 13.
Boom for excavators, Extension. A. J. Penote. 1,832,787; Nov. 17.
Boom point sheave assembly. L. A. Russell. 1,836,281; Dec. 15.
Boom suspension. W. Lehman and T. Davidson. 1,813,119; July 7.
Boomerang. D. V. Tantlinger. 1,826,905; Oct. 13.
Booster. J. H. Woodberry. 1,810,000; June 16.
Booster brake. M. W. McConkey. 1,837,464–5; Dec. 22.
Booster equipment for locomotives. M. H. Roberts. 1,789,691; Jan. 20.
Booster, Oil pressure. C. W. McKinley. 1,806,561; May 19.
Boot. E. C. Janke. 1,798,471; Mar. 31.
Boot and shoe. L. Bischoff. 1,818,683; Aug. 11.
Boot and shoe. F. W. East. 1,809,194; June 9.
Boot and shoe. F. W. East. 1,827,224; Oct. 13.
Boot, Chicken. O. B. Glover. 1,837,038; Dec. 15.
Boot, Golf club. A. A. Rodgers. Des. 85,114; Sept. 15.
Boot, Hip. P. H. Brown. 1,794,144; Feb. 24.
Boot or shoe and making same. C. H. Daniels. 1,801,803; Apr. 21.
Boot or shoe and making same. C. H. Daniels. 1,806,673; May 26.
Boot or shoe and making same. C. H. Daniels. 1,828,320; Oct. 20.
Boot, Sea. A. L. Howarth. 1,837,965; Dec. 22.
Boot, Self locking adjustable. C. W. King. 1,833,905; Dec. 1.
Boot, shoe and similar footwear. J. W. Radburne. 1,804,545; May 12.
Boot tree. A. A. Glidden, T. M. Knowland, and H. L. Davis. 1,808,544; June 2.
Boot tree. A. Niemi. 1,828,937; Oct. 27.
Boots and shoes, Making. B. W. Freeman. Re17,946; Feb. 3.
Boots and shoes, Manufacture of. J. P. Keefe. 1,827,200; Oct. 13.
Boots and shoes, Method for use in the manufacture of. H. C. Hudson. 1,793,548; Feb. 24.
Boots and shoes, Nonskid device for. J. M. Nahon. 1,806,212; May 19.
Booth, Chili. V. A. McLaren. Des. 83,335; Feb. 17.
Booth, Guard. L. Barota. 1,827,347; Oct. 13.
Booth, Hair dressing. B. W. Frankel. 1,805,240; May 12.
Booth, Oil-station. J. A. Chambers. Des. 83,661; Mar. 17.
Booth, Portable. O. O'Reilly. 1,796,578; Mar. 17
Booth, Refreshment. R. R. Van Dusen and R. A. Phillips. Des. 83,838; Mar. 31.
Booth, Spray. R. C. Mahon. 1,828,609; Oct. 20.
Booth, Vending or sales. F. Hebel. Des. 85,823; Dec. 22.
Booth, Voting. W. R., W. H., and D. Q. Douglas. 1,815,142; July 21.
Booth, Voting. I. S. Draper. 1,808,946; June 9.
Borax from brines, Obtaining. M. A. Debeau and H. L. Robson. 1,821,092; Sept. 1.
Borax from solution, Crystallizing. R. B. Peet. 1,792,863; Feb. 17.
Borax, Purifying. W. A. Kuhnert. 1,812,347; June 30.
Border strip, Metal. G. N. Allen, M. G. Parker, and L. E. Ressegger. Des. 83,890; Apr. 14.
Bore-hole clinometer. D. P. Carlton and K. Hartley. 1,833,889; Dec. 1.
Bore hole directional apparatus and method of orientation. A. Anderson. 1,830,345; Nov. 3.
Bore-hole-surveying apparatus. A. Anderson. 1,801,132; Apr. 14.
Boreholes, Apparatus for washing. T. Reinhold. 1,790,678; Feb. 3.
Boring and tapping machine, Horizontal. J. S. Barnes. 1,809,188; June 9.
Boring and turning machine, Combined. W. H. Millspaugh. 1,799,384; Apr. 7.
Boring apparatus, Rotary well-. W. W. Wilson. 1,795,693; Mar. 10.
Boring appliance. M. A. Kapeluchnikoff. 1,817,986; Aug. 11.
Boring bar. F. S. Hartwell. 1,814,919; July 14.
Boring bar. F. S. Hartwell. 1,814,921; July 14.
Boring bar. F. S. Hartwell. 1,824,543; Sept. 22.
Boring bar, adjuster. J. H. Smith. 1,801,883; Apr. 21.
Boring brace, Convertible. D. L. Blake. 1,837,943; Dec. 22.
Boring drill, Roller. C. E. Reed. 1,792,927; Feb. 17.
Boring machine. R. C. Beckman. 1,817,730; Aug. 4.
Boring machine. G. Vanderbeek. 1,803,740; May 5.
Boring machine, Portable. M. C. Cox. 1,792,820; Feb. 17.
Boring machine, Portable. F. S. Hartwell. 1,814,920; July 14.
Boring ripper. S. C. Doehring. 1,819,949; Aug. 18.
Boring system, Earth. F. W. Hild. 1,802,763; Apr. 28.
Bores, Drilling of terrestrial. A. G. Loomis, H. A. Ambrose, and J. S. Brown. 1,819,646; Aug. 18.
Bottle. R. L. Aste. Des. 83,892; Apr. 14.
Bottle. H. E. Barroll. 1,791,787; Feb. 10.
Bottle. B. Becker. Des. 83,658; Mar. 17.
Bottle. E. Becker and I. Miller. Des. 84,317; June 9.
Bottle. J. W. Behrendt. 1,817,912; Aug. 11.
Bottle. R. A. Blunt. Des. 84,676–7; July 21.
Bottle. W. Boschin. Des. 83,596; Mar. 10.
Bottle. E. L. Byfield. Des. 83,427; Feb. 24.
Bottle. J. H. Davis. Des. 84,682–3; July 21.
Bottle. J. H. Dawson. 1,832,806; Nov. 17.
Bottle. V. P. Dole. Des. 85,689; Dec. 8.
Bottle. A. K. Eaton. Des. 85,637; Dec. 1.
Bottle. J. C. Egizio. Des. 85,369; Oct. 20.
Bottle. J. E. Fowler. Des. 84,469; June 23.
Bottle. E. W. Fuerst. Des. 84,887; Aug. 18.
Bottle. E. W. Fuerst. Des. 85,233; Sept. 29.
Bottle. E. W. Fuerst. Des. 85,379; Oct. 20.
Bottle. T. S. Harris. Des. 84,476; June 23.
Bottle. C. W. B. Hughes. Des. 85,044; Sept. 8.
Bottle. A. M. Jones. Des. 82,992; Jan. 6.
Bottle. R. Lalique. Des. 83,201; Feb. 3.
Bottle. G. N. Mas. Des. 85,109; Sept. 15.
Bottle. J. Mathoux. Des. 83,907; Apr. 14.
Bottle. H. McDonald. Des. 85,340; Oct. 13.
Bottle. G. McPhee. Des. 85,486; Nov. 3.
Bottle. A. C. Meyer. Des. 85,487; Nov. 3.
Bottle. J. Nester, sr. Des. 83,876; Apr. 7.
Bottle. C. H. Oestreich. Des. 85,490; Nov. 3.
Bottle. G. Panopulo. Des. 83,641; Mar. 10.
Bottle. N. C. Phillips. Des. 85,260; Sept. 29.
Bottle. F. E. Reed. Des. 83,751; Mar. 24.
Bottle. M. Rich. Des. 84,649; July 14.
Bottle. R. P. Richardson. Des. 84,258; May 26.
Bottle. B. T. Roberts. Des. 84,163; May 12.
Bottle. M. Rosenberger. Des. 85,005; Sept. 1.
Bottle. S. Schofield. 1,814,638; July 14.
Bottle. M. Sierad. Des. 85,307; Oct. 6.
Bottle. O. Smiley. Des. 85,263; Sept. 29.
Bottle and closure therefor, Combination of. T. B. Stephenson. 1,788,129; Jan. 6.
Bottle and nipple, Nursing. M. McCrea. 1,797,433; Mar. 24.
Bottle and other labeling machine. P. J. Purdy. 1,819,263; Aug. 18.
Bottle and sanitary closure therefor. W. G. Stoneman. 1,794,804; Mar. 3.
Bottle attachment. V. C. Porter. 1,826,285; Oct. 6.
Bottle, Bait. S. H. Beetem. 1,821,288; Sept. 1.
Bottle box, Collapsible. O. A. Flagstad. 1,795,942; Mar. 10.
Bottle brushing mechanism. G. A. Fullips. 1,825,724; Oct. 6.
Bottle cap. A. C. Bowen. 1,831,991; Nov. 17.
Bottle cap. E. W. Fuerst. Des. 84,239; May 26.
Bottle cap. T. Huffman. Des. 83,857; Apr. 7.
Bottle cap. T. Huffman. Des. 83,901; Apr. 14.
Bottle cap. J. S. Noble. 1,834,548; Dec. 1.
Bottle cap and applying the same. H. W. Martin. 1,813,063; July 7.
Bottle cap, Molded. G. K. Scribner. Des. 83,012; Jan. 6.
Bottle cap or the like. J. V. Tarleton. Des. 85,068; Sept. 8.
Bottle cap package, Milk. L. Towy. 1,838,797; Dec. 29.
Bottle-cap remover. C. Lile. Des. 83,821; Mar. 31.
Bottle cap, Sanitary milk. D. Bourassa. 1,830,527; Nov. 3.
Bottle capper. A. J. Davis. 1,835,207; Dec. 8.
Bottle capper. H. G. Rice. 1,805,295; May 12.
Bottle capper. H. G. Rice. 1,813,954; July 14.
Bottle capper. R. T. Salsbury. 1,817,210; Aug. 4.
Bottle capper, Milk. C. W. Goodwin. 1,803,328; May 5.
Bottle cappers, Cap feeding mechanism for. E. G. Baum. 1,811,344; June 23.
Bottle, Capping. E. R. Leighton. 1,818,072; Aug. 11.
Bottle, Capping. A. J. Lippold. 1,792,593; Feb. 17.
Bottle capping and sealing machine. H. B. Foulder. 1,809,587; June 9.
Bottle-capping machine. R. G. Clark. 1,797,679; Mar. 24.
Bottle capping machine. E. S. Darner. 1,824,660; Sept. 22.
Bottle capping machine. J. Marian. 1,810,838; June 16.
Bottle capping machine. F. K. Mueller. 1,819,519; Aug. 18.
Bottle capping machine. A. I. Risser. 1,835,335; Dec. 8.
Bottle capping machine. W. H. Walmsley. 1,801,381; Apr. 21.
Bottle capping machine for flexible caps. A. I. Risser. 1,831,883; Nov. 17.
Bottle capping mechanism. C. W. Goodwin. 1,809,842; June 16.

Bottle capping or filling machine. A. G. Enock. 1,794,005; Feb. 24.
Bottle capping throat. H. J. Lebherz. 1,835,990; Dec. 8.
Bottle caps, Sealing device for. C. H. Butcher. 1,795,289; Mar. 10.
Bottle capsuling machine. A. I. Risser. 1,835,336; Dec. 8.
Bottle carrier. G. A. Kane and J. E. McCafferty. 1,828,416; Oct. 20.
Bottle cleaning apparatus. G. J. Meyer. 1,825,008;
Bottle closure. V. C. H. Nielsen. 1,838,323; Dec. 29. Sept. 29.
Bottle closure and its manufacture. H. F. Busch. 1,806,739; May 26.
Bottle closures, Making. C. E. McManus. 1,806,880; May 26.
Bottle closures, Making. R. S. Owens. 1,832,321; Nov. 17.
Bottle collar, Milk. C. F. Shaw. 1,837,495; Dec. 22.
Bottle, Combination ink. S. M. Sager. 1,816,057; July 28.
Bottle conveyer. M. P. Wetmore. 1,812,390; June 30.
Bottle cooler. C. B. Wingate. 1,816,455; July 28.
Bottle cooler and stand, Combination. W. W. Kilgore. Sept. 15.
Bottle cooling box. C. A. Frick. 1,816,426; July 28.
Bottle corking machine. A. I. Risser. 1,835,334; Dec. 8.
Bottle-depositing and empty-bottle-collecting device, Milk-. C. E. Dunn. 1,790,138; Jan. 27.
Bottle feeder. G. J. Meyer and O. Dreher. 1,825,751; Oct. 6.
Bottle filling and crowning machine. J. W. Flower. 1,828,802; Oct. 27.
Bottle filling device. G. V. Gavaza. 1,834,453; Dec. 1.
Bottle filling machine. F. E. Fowler. 1,830,536; Nov. 3.
Bottle filling machine. S. Greenhouse. 1,836,796; Dec. 15.
Bottle filling machine. A. R. Reynolds. 1,833,228; Nov. 24.
Bottle, Hot water. C. H. Borst. 1,814,429; July 14.
Bottle, Hot water. T. H. Gray. Des. 85,747; Dec. 15.
Bottle, Hot water. G. W. Wallerich. 1,837,383; Dec. 22.
Bottle lock, Milk. A. Marelli. 1,815,720; July 21.
Bottle machine, Continuous two table. K. E. Peller. 1,833,302; Nov. 24.
Bottle or similar article. J. W. Bicks. Des. 85,081; Sept. 15.
Bottle or similar article. E. E. Bilby. Des. 85,082; Sept. 15.
Bottle or similar article. W. A. Dolan. Des. 84,234; May 26.
Bottle or similar article. G. F. Gallagher. Des. 84,888; Aug. 18.
Bottle or similar article. J. E. Marsden. Des. 84,644; July 14.
Bottle or similar article. W. P. Zimmerman. Des. 84,313; June 2.
Bottle or similar article of manufacture. J. Goldhaber. Des. 84,581; July 7.
Bottle or similar article, Perfume. R. Betts. Des. 85,363; Oct. 20.
Bottle or similar article, Water. H. A. Bell. Des. 85,805; Dec. 22.
Bottle or similar article, Water. B. M. Tassie. Des. 84,767; July 28.
Bottle or similar container. E. V. Kline. Des. 85,336; Oct. 13.
Bottle or similar container. F. B. Putt. Des. 84,161; May 12.
Bottle or similar container. W. D. Teague. Des. 83,417; Feb. 17.
Bottle, Paper. L. B. Koch. 1,825,001; Sept. 29.
Bottle protector. L. W. Solomon. 1,789,848; Jan. 20.
Bottle rack. H. W. Laubenstein. 1,810,836; June 16.
Bottle, Sanitary medical. B. Wiener. 1,803,225; Apr. 28.
Bottle-sealing method and apparatus. M. P. Wetmore. 1,813,105; July 7.
Bottle, Service. G. E. Brooke. Des. 85,279; Oct. 6
Bottle, Service G. E. Brooke. 1,825,897; Oct. 6.
Bottle silvering machine. M. P. Wetmore. 1,804,484; May 12.
Bottle, Sprinkler. P. G. Lloyd. 1,833,971; Dec. 1.
Bottle-sterilizing apparatus. J. J. Lozowsky. 1.789.684; Jan. 20.
Bottle stopper, Dispensing. F. D. Pitt. 1,805,257; May 12.
Bottle-washing device. F. S. Hyatt. 1.789,440; Jan. 20.
Bottle washing machine. I. R. Hippenmeyer. 1,831,352; Nov. 10.
Bottle washing machine. J. Kantor. 1,802,722; Apr. 28.
Bottle wrapping machine. P. D. Bickford. 1,828,123; Oct. 20.
Bottling apparatus. D. P. Anderson, jr. 1,835,838; Dec. 8.
Bottling machine. S. Greenhouse. 1,806,971; May 26.
Bottling machine. A. F. Hoffman. 1,804,985; May 12.
Bottles and the like, Apparatus for cleaning. J. G. Cupedo. 1,827,140; Oct. 13.
Bottles and the like, Capping milk. M. Patterson and E. F. Marresford. 1,824,405; Sept. 22.
Bottles and the like, Device for reaffixing closure caps to. S. Sweeney. 1,797,106; Mar. 17.
Bottles and the like, Wrapping and packing. A. L. Bobrick. 1,817,061; Aug. 4.
Bottles, Apparatus for cleaning. A. G. Enock. 1,795,545; Mar. 10.
Bottles, Attachment for draftsmen's ink. J. R. Parrish. 1,817,835; Aug. 4.
Bottles, Mechanism for capping. O. Larsen. 1,809,129; June 9.
Bottles or containers from one level to another, Apparatus for transferring. A. G. Enock. 1,821,883; Sept. 1.
Bottles, Pouring attachment for. A. W. Thompson. 1,820,406; Aug. 25.
Bottles, Sealing cap for. E. H. Fabrice. 1,798,151; Mar. 31.
Bottles, Steeple closure for ink. A. Langaner. 1,803,713; May 5.
Bottles, Washing. J. L. Herold. 1,824,993; Sept. 29.
Bottles with patterns, Manufacturing glass. K. Kishida. 1,802,431; Apr. 28.
Bottom, Spring bed. G. W. Barnes. 1,834,920; Dec. 8.
Bottom, Well bucket. T. H. McClinton. 1,821,441; Sept. 1.
Bow and manufacture thereof, Reenforced wooden. G. L. Fitch. 1,789,137; Jan. 13.
Bow, Archer's. G. E. Barnhart. 1,810,335; June 16.
Bow tie and insert. S. Deiches. 1,196,834; Mar. 17.
Bow, Violin. C. Dillon and D. Daughhetee. 1,810,414; June 16.
Bowl. B. G. Larrabee. Des. 85,531; Nov. 10.
Bowl and flush tank, Combined water-closet. B. O. Tilden. Des. 83,770; Mar. 24.
Bowl, ash tray, and match holder, Combination nut. W. M. Sample. 1,832,585; Nov. 17.
Bowl, Closet. A. W. Dallas. 1,816,362; July 28.
Bowl, Electric-heating-element. F. D. Pitt. Des. 83,347; Feb. 17.
Bowl, Fish. F. G. Smith. Des. 84,002; Apr. 21.
Bowl, Measuring sugar. J. Jacobson and M. Ferrandino. 1,787,785; Jan. 6.
Bowl or like article. F. J. Peters. Des. 85.392; Oct. 20.
Bowl or similar article. P. B. Ball. Des. 85,682; Dec. 8.
Bowl or similar article. G. Becker. Des. 85,080; Sept. 15.
Bowl or similar article. E. Stahl. Des. 85,064; Sept. 8.
Bowl or similar article, Sugar. F. W. Stark. Des. 83,583; Mar. 3.
Bowl or the like, Sugar. J. B. Clark. Des. 83,895; Apr. 14.
Bowl, Stock watering. C. F. Hanson. 1,836,532; Dec. 15.
Bowl, Toilet. F. A. Schossow. 1,822,378; Sept. 8.
Bowl, Water. A. H. Neller. 1,797,963; Mar. 24.
Bowl, Water closet. G. Brain. Des. 84,458; June 23.
Bowl, Water closet. B. O. Tilden. Re18,065; May 12.
Bowl, Watering. R. J. Langer. 1,806,473; May 19.
Bowls, Making glass. J. Emerson. 1,787,619; Jan. 6.
Bowling alley. W. L. Foehl and G. A. Robinson, jr. 1,835,857; Dec. 8.
Bowling alley. T. R. Treiber. 1,795,624; Mar. 10.
Bowling alley. G. O. Wardrop. 1,800,809; Apr. 14.
Bowling alley. R. A. Williams. 1,806,274; May 19.
Bowling alley pit cushion structure. T. R. Treiber. 1,805,267; May 12.
Bowling bag. A. E. Stupecky. 1,802,682; Apr. 28.
Bowling pin. W. H. Souder. 1,821,037; Sept. 1.
Box: *See*—

Adhesive tape or bandage box.
Ammunition-feed box.
Annealing box.
Axle box.
Bait box.
Ballot box.
Bathing box.
Battery box.
Bearing box.
Binder twine box.
Bottle cooling box.
Bread and cake box.
Car journal box.
Cardboard box.
Chick box.
Cigar box.
Cigarette box.
Closet box.
Coal washer box.
Coin box.
Collapsible box.
Compartment box.
Compound box.
Conduit box.
Core box.
Display box.
Driving box.
Drum controller box.
Electrode box.
Emergency box.
Exhaust box.
Fare box.
Film box.
Fire-alarm box.
Fire box.
Fly box.
Foldable box.
Folding box.
Folding metal box.
Fruit and novelty box.
Fuse and switch box.
Fuse box.
Garment box.
Hatbox.
Journal box.
Junction box.
Knockdown box.
Lunch box.
Mail box.
Match box.
Mattress box.
Meter box.
Miter box.
Novelty box.
Outlet box.
Packing box.
Packing or shipping box.
Padded box.
Paint box
Paper box.
Paper slide box.
Plant box.
Powder box.
Provision box.
Refrigerator box.
Safety deposit box.
Screen box.
Shelf box.
Shipping box.
Shoe box.
Slide box.
Sound box.
Spring clip box.
Stake box.
Steam box.
Stepping box.
Stereoscopic view box.
Storage box.
Stuffing box.
Suction box.
Support and journal box.
Switch and fuse box.
Switch and service box.
Switch box.
Tackle box.
Ticket box.
Tobacco box.
Tool box.
Toy call box.
Tubular box.
Vanity box.
Ventilated switch box.
Wall box.
Wire box.

Box. N. R. Andrews. Des. 82,966; Jan. 6.

Box. P. F. Boeye. Re18,245; Nov. 10.
Box. P. F. Boeye. 1,795,293; Mar. 10.
Box. P. F. Boeye. 1,801,998; Apr. 21.
Box. J. Dunn. 1,798,406; Mar. 31.
Box. C. F. Friedrich. Des. 85,330; Oct. 13.
Box. J. H. Hicks. Des. 85,694; Dec. 8.
Box. C. D. Howland. 1,821,307; Sept. 1.
Box. C. D. Knowlton. 1,811,135; June 23.
Box. W. L. Krumm. 1,814,561; July 14.
Box. H. Leiman. 1,824,218; Sept. 22.
Box. E. C. Marlowe and T. P. Prather. 1,798,333; Mar. 31.
Box. H. J. Miller. Des. 84,997; Sept. 1.
Box. L. V. Radkus. 1,813,256; July 7.
Box. M. K. Schilling. 1,793,639; Feb. 24.
Box. F. J. Schleicher. Des. 84,658; July 14.
Box. F. J. Schleicher. Des. 85,205; Sept. 22.
Box. L. H. Schleicher. 1,837,589; Dec. 22.
Box. O. W. Thomas. 1,809,917; June 16.
Box. H. A. Wolf. 1,828,757; Oct. 27.
Box. H. Zoll. 1,838,514; Dec. 29.
Box adapter, Outlet. C. Pastella. 1,839,162; Dec. 29.
Box and brooder for baby chicks, Shipping. R. A. Gorsuch. 1,813,847; July 7.
Box and cable clamping means therefor, Outlet. J. J. Madden and J. Morgenstern. 1,802,979; Apr. 28.
Box and clamp therefor. M. M. Clayton. 1,822,128; Sept. 8.
Box and covering blank therefor. R. P. Seckendorf. 1,811,478; June 23.
Box and feeder, Combination shipping. R. A. Gorsuch. 1,831,444; Nov. 10.
Box and gland, Stuffing. M. C. Bailey. 1,817,867; Aug. 4.
Box and making it. H. O. Fischer. 1,799,788; Apr. 7.
Box and making the same. G. C. Snyder. 1,818,102; Aug. 11.
Box and packing therefor, Stuffing. J. R. Cole. 1,815,036; July 21.
Box and set of match containers, Combined cigarette. H. S. Scholes. Des. 83,130; Jan. 20.
Box and support. G. C. Thomas, jr. 1,800,484; Apr. 14.
Box and supporting the same, Outlet. C. C. Buckels. 1,791,117; Feb. 3.
Box and the like. H. L. Purchas. Des. 84,954; Aug. 25.
Box attachment, Mail. W. A. Chrispell. 1,832,690; Nov. 17.
Box attachment, Mail. S. Petersen. 1,823,759; Sept. 15.
Box attachment means, Outlet. G. C. Thomas, jr. 1,808,326; June 2.
Box blank slotting machine. L. S. Rosener. 1,804,644; May 12.
Box blanking machine, Rotary. L. H. Schroeder and J. Wagner. 1,837,235; Dec. 22.
Box body, Foldable. R. Goodman. 1,792,370; Feb. 10.
Box-chamfering machine and cutter. G. D. Gardner. 1,794,604; Mar. 3.
Box clamp, Outlet-. R. C. Hamblen. 1,791,311; Feb. 3.
Box cleaner, Sucker rod. R. L. Wright and H. D. Collins. 1,807,114; May 26.
Box-closing device. W. and H. Löblich. 1,787,949; Jan. 6.
Box closure. C. E. Huffman. 1,820,804; Aug. 25.
Box construction. P. V. and I. Spinner. 1,822,384; Sept. 8.
Box construction, Fire. R. J. Himmelright. 1,826,784; Oct. 13.
Box construction, Shadow. S. G. Silberstein. 1,794,210; Feb. 24.
Box cover paper or the like. A. F. Sarg. Des. 84,850; Aug. 11.
Box cover paper or the like. A. F. Sarg. Des. 84,852; Aug. 11.
Box door plate and cover, Mail-. B. F. Foss. 1,794,069; Feb. 24.
Box element, Cardboard-. S. H. Davis, E. L. Curtis, and W. T. Schleicher. 1,792,679; Feb. 17.
Box fastener machine. K. F. Berthold. 1,825,140; Sept. 29.
Box fitting. Outlet. T. B. Tiefenbacher. 1,830,250; Nov. 3.
Box fixture support, Outlet. R. F. Cluny. 1,810,553; June 16.
Box for baby's shoes. B. Schubart. Des. 84,614; July 7.
Box for baby's shoes. B. Schubart. Des. 84,960; Aug. 25.
Box for clothing, Packing. J. T. Batts. 1,836,433; Dec. 15.
Box for dispensing rolled paper. N. Marcalus. 1,816,384; July 28.
Box for electric wires, Outlet. H. S. Banfield. 1,800,813; Apr. 14.
Box for felted-sheet-making machines, Suction. O. Severini. 1,791,065; Feb. 3.
Box for hounds, Slipping. C. A. Kitzmiller. 1,829,224; Oct. 27.
Box for matches, Safety. A. C. McCloskey. 1,792,110; Feb. 10.
Box for pipes, Terminal. H. E. Lake. 1,791,277; Feb. 3.
Box for pulp and paper machines, Suction. J. A. Dickinson. 1,838,988; Dec. 29.
Box for rotating shafts, Stuffing. H. Zoelly. 1,806,515; May 19.
Box for sewage-disposal systems, Selectively-controlled distributing. J. F. Harris. 1,795,123; Mar. 3.
Box for ships' propeller shafts, Stuffing. C. W. Cedervall. 1,815,096; July 21.
Box for suction rolls, Pneumatic suction. G. Miller and A. H. Standley. 1,800,149; Apr. 7.
Box for watches, Display. E. C. Sloan. 1,817,852; Aug. 4.
Box forming mechanism. T. A. Federwitz and W. T. Bailey. 1,831,236; Nov. 10.
Box handling device. S. L. and W. F. Burns. 1,836,223; Dec. 15.
Box head or end for field boxes. J. L. Maull. 1,819,752; Aug. 18.
Box insert. W. N. Vance. 1,801,943; Apr. 21.
Box joint. B. A. Lange. 1,789,105; Jan. 13.
Box lock. J. S. Brylka. 1,806,518; May 19.
Box machine, Automatic. R. H. Fenn. 1,791,960; Feb. 10.
Box making. C. D. Knowlton. 1,809,853; June 16.
Box making machine. L. H. Gebhart. 1,832,481; Nov. 17.
Box-making machine. G. Meyer-Jagenberg. 1,794,413; Mar. 3.
Box making machine. A. H. Schmidtke. 1,805,888; May 19.
Box-making machine. L. F. Schulgen and G. F. Schulgen. 1,788,598; Jan. 13.
Box making machinery. P. W. Fleischer, M. Feybusch, and F. J. Hammer, and B. D. Dans. 1,821,701; Sept. 1.
Box making machines, Blank preparing mechanism for. H. J. Goss. 1,803,698; May 5.
Box-making machines, Spot gluer for. H. J. Goss. 1,793,082; Feb. 17.
Box-making table. H. Paxton. 1,789,495; Jan. 20.
Box or article of similar nature, Jewelry. E. J. Gross. Des. 83,607–8; Mar. 10.
Box or carton. H. Levine. 1,838,997; Dec. 29.
Box or carton for containing fragile articles, and its manufacture. O. C. and R. S. Langford. 1,838,269; Dec. 29.
Box or case. M. L. Rathbun. 1,833,305; Nov. 24.
Box or case, Vanity. W. M. Hauch. 1,817,310; Aug. 4.
Box or container, Collapsible. H. D. Schrier. 1,787,736; Jan. 6.
Box or crate, Reenforced wood. W. O. Brown. 1,804,494; May 12.
Box or crate structure. W. G. Seabold, sr. 1,834,553; Dec. 1.
Box or receptacle, Folding. A. J. Tanner. 1,833,057; Nov. 24.
Box or similar article of manufacture. A. M. Hoffman. Des. 85,826; Dec. 22.
Box or similar container. C. C. Boone. Des. 84,509; June 30.
Box or the like, Cigarette. H. C. Stoll. Des. 84,264; May 26.
Box or the like, Paper. S. Bergstein. 1,804,738; May 12.
Box pad, Jewelry-. R. J. Warner. 1,789,852; Jan. 20.
Box parts in a single operation, Producing two. J. Schmiedel. 1,834,743; Dec. 1.
Box slitting machine. J. F. Hoy. 1,819,817; Aug. 18.
Box stamping machine. J. S. Phelps. 1,816,493; July 28.
Box staying machine, Four corner. G. Brodsky. 1,834,201; Dec. 1.
Box strapping machine. S. W. Treat. 1,805,791; May 19.
Box structure. S. L. Bellemere. 1,817,913; Aug. 11.
Box stud for nose bridges. V. Tanasso and J. J. Pomeranz. 1,805,345; May 12.
Box toe. A. L. Clapp. 1,790,796; Feb. 3.
Box-toe stiffener. R. E. Garrett. 1,788,389; Jan. 13.
Box wedge, Journal-. T. K. Cummins. 1,799,130; Mar. 31.
Box with handle. H. G. Allen. 1,810,743; June 16.
Box with removable lid. G. Sternberg. 1,799,994; Apr. 7.
Box wrapping machine. H. J. Melville. 1,822,054; Sept. 8.
Box wrapping mechanism. E. G. Rider. 1,826,287; Oct. 6.
Box wrapping mechanism. E. G. Rider. 1,826,435; Oct. 6.
Boxes and form therefor, Making paper. M. H. Sidebotham. 1,836,993; Dec. 15.
Boxes and the like, Method of and appparatus for forming. J. S. Stokes. 1,796,731; Mar. 17.
Boxes, Apparatus for shaping and filling cigarette. R. W. Voigt. 1,832,065; Nov. 17.
Boxes, Assembling, wrapping, and staying composite. J. S. Stokes. 1,796,630; Mar. 17.
Boxes, Attaching device for bait. T. and T. W. Lloyd. 1,806,477; May 19.
Boxes, Attachment for rural mail. R. C. Hughes. 1,793,695; Feb. 24.
Boxes, Attachment for telephone money. C. T. McDowell. 1,832,720; Nov. 17.
Boxes, Device for arranging. O. E. Bergling. 1,795,243; Mar. 3.
Boxes, Making multiple core. J. H. Laukel. 1,810,523; June 16.
Boxes, Making paper. H. Carle. 1,797,941; Mar. 24.
Boxes, Making paper. M. B. Claff. 1,836,837; Dec. 15.
Boxes, Manufacture of wrapped. A. A. Adamson. 1,823,578; Sept. 15.
Boxes, Manufacturing. P. W. Dietman. 1,836,909; Dec. 15.
Boxes of cardboard and the like, Apparatus for the manufacture of. F. R. Stelling. 1,824,241; Sept. 22.
Boxes, Stop means for miter. E. Sodergren. 1,799,606; Apr. 7.

Boxes, Wrapping stayed. J. S. Stokes. 1,826,264; Oct. 6.
Brace: *See*—
Adjustable brace.
Bed spring brace.
Body brace.
Boring brace.
Circle brace.
Corner brace.
Fence corner brace.
Fence post brace.
Folding brace.
Foot and ankle brace.
Heel brace.
Kiln brace.
Lattice brace.
Post brace.
Rail brace.
Reel swift brace.
Supporting bracket.
Brace. R. W. Haulbrook and W. J. Cotton. 1,812,529; June 30.
Brace and arch support, Combined ankle. W. J. Hoggson. 1,812,149; June 30.
Brace and control therefor, Furniture. T. H. Wittliff. 1,820,589; Aug. 25.
Brace and cross bearer for freight cars. W. E. Wine. 1,799.270; Apr. 7.
Brace and seat support, Combined body. A. C. Timpte. 1.796,583; Mar. 17.
Brace and spreader device, Combined leg. G. B. Schmitt. 1,791.328; Feb. 3.
Brace bit extension. A. L. Stowell. 1,818,823; Aug. 11.
Brace chuck. C. S. Thomas. 1,808,940; June 9.
Brace drill. A. E. Rylander. 1,799,393; Apr. 7.
Brace for lighting fixtures. V. Williams. Des. 84,799; Aug. 4.
Brace means for tug rims and band wheels. W. Schwemlein. 1,822,826; Sept. 8.
Brace or support, Heel. E. F. Peterson and S. A. Petterson. 1,830,334; Nov. 3.
Bracelet. F. Armbrust. 1,829,493; Oct. 27.
Bracelet. L. Cohn. Des. 83,511; Mar. 3.
Bracelet. L. Cohn. Des. 84,680; July 21.
Bracelet. F. W. Engel. 1,814,792; July 14.
Bracelet. J. Joel. Des. 83,402; Feb. 17.
Bracelet. C. B. Oulton. Des. 85,839; Dec. 22.
Bracelet. E. Prestinari. Des. 83,060; Jan. 13.
Bracelet. H. V. Pretot. 1,790.721; Feb. 3.
Bracelet. J. Schwab. Des. 84,000; Apr. 21.
Bracelet and links therefor. O. Selle. 1,810,060; June 16.
Bracelet attachment. C. R. Tost and C. A. Domler. 1,830,042; Nov. 3.
Bracelet chain. M. Anderson. Re18.230; Oct. 20.
Bracelet chain. M. Anderson. 1,810.590; June 16.
Bracelet, Chain. F. W. Nittel. 1,816.810; July 28.
Bracelet chain. A. E. R. Speidel. Des. 83,762–3; Mar. 24.
Bracelet chain. A. E. R. Speidel. Des. 84.210–14; May 19.
Bracelet chain. A. E. R. Speidel. Des. 85.447–8; Oct. 27.
Bracelet chain. E. F. M. Speidel. Des. 83,072; Jan. 13.
Bracelet clasp. W. J. Roy. 1.806.265; May 19.
Bracelet clasp. L. J. Vetter. 1,835.578; Dec. 8.
Bracelet connecter. C. A. Domler. 1,830.020; Nov. 3.
Bracelet end connecter. S. A. Johnson. 1,830.660; Nov. 3.
Bracelet end connecter. B. Rossman. 1,836,772; Dec. 15.
Bracelet connecter, Watch-. C. A. Domler. 1,798,595; Mar. 31.
Bracelet-connecting device, Watch-. W. J. Roy. 1,792,931; Feb. 17.
Bracelet construction. O. L. Gammell and R. W. Woodward. 1,821.507; Sept. 1.
Bracelet construction. C. A. Mealy. 1,820,576; Aug. 25.
Bracelet, Elastic mesh. C. Schraysshuen and K. Fassnacht. 1,807.440; May 26.
Bracelet, Extensible. S. A. Johnson. 1,831.452; Nov. 10.
Bracelet extension device. L. F. Otten. 1,825,156; Sept. 29.
Bracelet, Flexible. E. G. Carlson. 1,836.955; Dec. 15.
Bracelet, Link. F. C. Stetter. Des. 84.717; July 21.
Bracelet links, Making. A. Hadley. 1.821,058; Sept. 1.
Bracelet or similar article of jewelry. M. B. Styer. Des. 83,076; Jan. 13.
Bracelet structure. P. Bellavance. 1,830.187; Nov. 3.
Bracelet, Watch. C. A. Mealy. Des. 83.336; Feb. 17.
Bracelet, Watch. C. A. Mealy. Des. 85.051; Sept. 8.
Bracelet, Wrist watch. A. R. Krause. Des. 85,188; Sept. 22.
Bracelets, Twin fold for. L. F. Otten and G. D. Cullis. 1,791,037; Feb. 3.
Bracing and bridging for metallic joints, Cross. W. F. Zabriskie. 1,824,797; Sept. 29.
Bracing for freight. F. W. Ludwig. 1,803,761; May 5.
Braces, Attachment for. P. J. Stocker. 1,812,996; July 7.
Bracket: *See*—
Adjustable bracket.
Aerial-mast bracket.
Article securing bracket.
Awning bracket.
Bed bracket.
Blind bracket.
Brake beam hanger bracket.
Brake hanger bracket.
Curtain and shade bracket.
Curtain bracket.
Curtain-rod bracket.
Detachable bracket.
Display bracket.
Drier bracket.
Fence bracket.
Furring strip bracket.
Lamp bracket.
Lighting bracket.
Mirror bracket.
Mounting bracket
Piano-action bracket.
Plow bracket.
Pole bracket.
Radiator bracket.
Radiator screen bracket.
Rail bracket.
Rail protector bracket.
Resilient mounting bracket.
Rod bracket.
Rod supporting bracket.
Scaffold bracket.
Servo brake.
Shade and curtain bracket.
Shade bracket.
Towel bar bracket.
Wall bracket.
Window box bracket.
Window bracket.
Window shade bracket.

Bracket: *See*—
Shade roller bracket.
Shelf bracket.
Shingle bracket.
Shore head bracket.
Sign bracket.
Supporting bracket.
Bracket. L. I. Beckwith. 1,824,459; Sept. 22.
Bracket. G. H. Hamilton. 1,806,534; May 19.
Bracket. C. W. McKinley. 1,806.560; May 19.
Bracket. A. Vanderveld. 1,831,550; Nov. 10.
Bracket and back for a side-wall lighting fixture, Combined. G. E. McFadden. Des. 83,268; Feb. 10.
Bracket and dead end insulator. S. W. Law and W. J. Eames. 1,806,170; May 19.
Bracket and towel-bar fixture, Combined. E. Reynolds. 1,799,319; Apr. 7.
Bracket arm, Adjustable. H. E. Weber. 1,791,230; Feb. 3.
Bracket back for a side-wall lighting fixture. G. E. McFadden. Des. 83,269; Feb. 10.
Bracket back for a side-wall lighting fixture. G. E. McFadden. Des. 83,272; Feb. 10.
Bracket device. J. S. Hattery. 1,822,577; Sept. 8.
Bracket fixture, Window shade. D. A. Parkes. 1,810,676; June 16.
Bracket for boxes, Adjustable. G. R. Riggs. 1,812,756; June 30.
Bracket for card table, Corner. C. M. Schott. Des. 83,354; Feb. 17.
Bracket for clotheslines, Adjustable. H. S. Leggett, 1,818,561; Aug. 11.
Bracket for cream separators, Motor. J. H. Pinson. 1,815,362; July 21.
Bracket for door and drawer handles, Supporting. J. C. Rogers. Des. 84,712; July 21.
Bracket for electric clippers. J. W. Bestler. 1,788,009; Jan. 6.
Bracket for flowerpots or the like, Supporting. G. H. Schaff. 1.794.251; Feb. 24.
Bracket for game tables. F. E. Pavelka and H. W. Thompson. Des. 84,299; June 2.
Bracket for grain lifters. C. A. Swanson. 1,834,008; Dec. 1.
Bracket for motor-cycle frames, Head. C. B. Franklin and W. C. Fronk. 1,797,722; Mar. 24.
Bracket for outlet boxes and the like, Supporting. J. M. Fullman. 1,801,550; Apr. 21.
Bracket for roofing scaffolds. E. T. Spillman. 1,827,491; Oct. 13.
Bracket for snatch block, Positioning. F. Bortolus. 1,826,199; Oct. 6.
Bracket for tuners. F. S. Coe. 1,818,693; Aug. 11.
Bracket for Venetian blind. Z. E. Russell. 1,794,501; Mar. 3.
Bracket member for bathroom fixtures. V. Helsley. Des. 83,534; Mar. 3.
Bracket or support, Adjustable lamp. P. A. Hauenstein. 1,795,857; Mar. 10.
Braid and like winder. J. Rieder. 1,800.754; Apr. 14.
Braider carrier. J. E. Chace. 1,838.172; Dec. 29.
Braiding carrier. H. Janssen. 1,817,626; Aug. 4.
Braiding machine. F. Autem. 1,834,928; Dec. 8.
Braiding machine. S. B. Blaisdell. 1,801.134; Apr. 14.
Braiding machine. C. Faure-Roux. 1,830.196; Nov. 3.
Braiding machine. E. Higgins. 1,826.545; Oct. 6.
Braiding machine. A. Peterson. 1,796.938; Mar. 17.
Braiding machine. F. W. Plumb. 1,837.582; Dec. 22.
Braiding machine. A. Zehnder and J. Kappeler. 1,811,774; June 23.
Braiding machine, Round. G. Horn. 1,808,463; June 2.
Braiding machines, Automatic stop mechanism for. M. Krissiep. 1,821,973; Sept. 8.
Brake: *See*—
Aeroplane brake.
Air brake.
Aircraft or other brake.
Airplane landing brake.
Automatic brake.
Automobile brake.
Automotive brake.
Booster brake.
Car brake.
Clutch brake.
Disk brake.
Draw-works brake.
Electric brake.
Electro pneumatic brake.
Elevator brake.
Expanding brake.
Fluid operated brake.
Fluid pressure brake.
Friction brake.
Front-wheel brake.
Geared hand brake.
Hand brake.
Hydraulic brake.
Internal brake.
Internal expansion brake.
Liquid brake.
Load brake.
Magnetic brake.
Manually operated brake.
Momentum actuated brake.
Motor brake.
Pressure brake.
Rail brake.
Railway brake.
Railway car brake.
Safety brake.
Self adjusting brake.
Segmental brake.
Servo-brake.
Sheet metal brake.
Speed-controlled brake.
Spring brake.
Track brake.
Transmission brake.
Vacuum brake.
Variable-load brake.
Vehicle brake.
Vehicle and trailer brake.
Wheel brake.
Brake. B. H. Anderson. 1,805.274; May 12.
Brake. W. J. Andres. 1,791.652; Feb. 10.
Brake. V. Bendix. 1,822,687; Sept. 8.
Brake. V. Bendix and L. E. La Brie. 1,790.650; Feb. 3.
Brake. V. Bendix and L. E. La Brie. 1,838,131; Dec. 29.
Brake. L. E. Brie. 1,803,396; May 5.

Brake. N. R. Brownyer. 1,827,065; Oct. 13.
Brake. A. B. Cadman. 1,822,564; Sept. 8.
Brake. A. N. Calkins. 1,793,774; Feb. 24.
Brake. W. B. Charters. 1,814,666; July 14.
Brake. G. A. Chaustowich. 1,835,593; Dec. 8.
Brake. T. Davidson and W. F. Dixon. 1,825,332; Sept. 22.
Brake. W. H. Delahaye. 1,811,539; June 23.
Brake. A. Y. Dodge. 1,799,582; Apr. 7.
Brake. A. Y. Dodge. 1,823,822; Sept. 15.
Brake. A. Y. Dodge. 1,827,421–2; Oct. 13.
Brake. A. Y. Dodge, and L. Pollard. 1,818,199; Aug. 11.
Brake. A. Y. Dodge and W. L. Pollard. 1,822,988; Sept. 15.
Brake. H. Ford. 1,793,920–1; Feb. 24.
Brake. H. Ford. 1,799,292; Apr. 7.
Brake. H. Ford. 1,800,615; Apr. 14.
Brake. R. A. Goepfrich. 1,812,000; June 30.
Brake. E. G. Gunn. 1,789,434; Jan. 20.
Brake. E. G. Gunn. 1,799,227; Apr. 7.
Brake. E. G. Gunn. 1,809,411; June 9.
Brake. K. L. Herrmann. 1,793,229; Feb. 17.
Brake. E. J. Hirvonen and W. W. Tuttle. 1,821,156; Sept. 1.
Brake. W. F. Hollingsworth. 1,834,242; Dec. 1.
Brake. G. F. Houston. 1,801,429; Apr. 21.
Brake. L. C. Huck. 1,816,256; July 28.
Brake. J. Kennedy. 1,799,170; Apr. 7.
Brake. R. F. Kohr. 1,792,225; Feb. 10.
Brake. R. F. Kohr. 1,800,391; Apr. 14.
Brake. R. F. Kohr. 1,806,296–7; May 19.
Brake. R. F. Kohr. 1,832,032; Nov. 17.
Brake. J. J. Kurek. 1,829,487; Oct. 27.
Brake. L. E. La Brie. 1,794,857; Mar. 3.
Brake. L. E. La Brie. 1,821,168; Sept. 1.
Brake. L. E. La Brie. 1,824,051–2; Sept. 22.
Brake. L. E. La Brie. 1,837,128; Dec. 15.
Brake. E. La Chance. 1,801,747; Apr. 21.
Brake. F. A. Lomont. 1,792,383; Feb. 10.
Brake. K. E. Lyman. 1,791,627; Feb. 10.
Brake. B. E. Minturn. 1,818,920; Aug. 11.
Brake. M. B. Morgan. 1,838,188; Dec. 29.
Brake. G. F. Mox. 1,837,573; Dec. 22.
Brake. A. J. Musselman. 1,800,184; Apr. 7.
Brake. G. E. Parker and A. H. Stahlhuth. 1,831,191; Nov. 10.
Brake. H. Perrot and G. Calvignac. 1,809,568; June 9.
Brake. J. L. Price. 1,831,079; Nov. 10.
Brake. M. J. Robertson. 1,795,508; Mar. 10.
Brake. R. S. Sanford. 1,787,494; Jan. 6.
Brake. R. S. Sanford. 1,793,253; Feb. 17.
Brake. R. S. Sanford. 1,796,809; Mar. 17.
Brake. E. W. Seaholm, G. E. Parker, and A. H. Stahlhuth. 1,821,852; Sept. 1.
Brake. O. L. Skopik. 1,804,185; May 5.
Brake. J. Sneed. 1,788,497; Jan. 13.
Brake. J. Sneed. 1,798,360; Mar. 31.
Brake. J. Sneed. 1,820,255; Aug. 25.
Brake. J. Sneed. 1,824,510; Sept. 22.
Brake. R. W. Snyder. 1,797,181; Mar. 17.
Brake. N. Stern. 1,825,555; Sept. 29.
Brake. J. W. Tatter. 1,814,575; July 14.
Brake. C. H. Taylor and L. E. La Brie. 1,838,880; Dec. 29.
Brake. E. V. Taylor. 1,802,126; Apr. 21.
Brake. G. J. Thomas. 1,801,397; Apr. 21.
Brake. O. C. Unke. 1,834,230; Dec. 1.
Brake. R. N. Van Buskirk. 1,787,501; Jan. 6.
Brake. J. M. Vawter. 1,806,510; May 19.
Brake. C. W. Whithead. 1,821,600; Sept. 1.
Brake. J. Whyte. 1,812,672; June 30.
Brake. J. Whyte. 1,812,836; June 30.
Brake. J. Whyte. 1,822,554; Sept. 8.
Brake. A. P. Wisner. 1,793,270; Feb. 17.
Brake. C. J. Zink. 1,825,296; Sept. 29.
Brake actuating mechanism. C. S. Bragg and V. W. Kliesrath. 1,824,980; Sept. 29.
Brake-actuating mechanism. E. A. Hardison. 1,795,719; Mar. 10.
Brake actuating mechanism. W. H. Topp. 1,804,570; May 12.
Brake actuating mechanism for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,835,751; Dec. 8.
Brake adjuster. P. B. Camp. 1,834,574–5; Dec. 1
Brake adjuster. J. Sneed. 1,789,392; Jan. 20.
Brake adjuster, Automobile. R. S. Humphrey. Re18,019; Mar. 31.
Brake adjusting fixture. J. W. Peterson. 1,812,018; June 30.
Brake adjusting mechanism, Automatic. O. Bourbeau. 1,804,309; May 5.
Brake adjusting stand, Vehicle. S. G. Tilden. 1,804,041; May 5.
Brake adjustment. J. T. Ward. 1,802,797; Apr. 28.
Brake and accelerator, Combination. A. E. Rector. 1,815,270; July 21.
Brake and actuating the same. H. C. Lord. 1,804,697; May 12.
Brake and clutch mechanism. F. Barney. 1,836,104; Dec. 15.
Brake and clutch pedal interlocking mechanism. S. R. Hinds. 1,797,575; Mar. 24.
Brake and door interlock. J. C. McCune. 1,824,054; Sept. 22.
Brake and door interlock. F. B. Thomas. 1,832,883; Nov. 24.
Brake and like operating mechanism. W. H. Smith. 1,794,211; Feb. 24.
Brake and power interlock. J. B. Grossweger. 1,824,048–9; Sept. 22.
Brake and pulley attachment for vehicles, Combined. J. T. Figlear. 1,821,625; Sept. 1.
Brake and steering device for aircraft, Pressure medium. K. Kollinek. 1,807,848; June 2.
Brake and wheel construction, Vehicle. W. F. Rockwell and B. W. Keese. 1,791,685; Feb. 10.
Brake apparatus. N. A. Christensen. 1,807,151; May 26.
Brake apparatus, Air-. D. H. Schweyer. 1,787,554; Jan. 6.
Brake apparatus, Nonkicking. L. G. Gates. 1,812,091; June 30.
Brake apparatus, Safety. A. Schorno. 1,824,303; Sept. 22.
Brake applying apparatus. C. S. Bushnell. 1,818,941; Aug. 11.
Brake applying apparatus, Double acting hydraulic. O. J. Frock. 1,838,668; Dec. 29.
Brake-applying connection. K. E. Lyman. 1,799,597; Apr. 7.
Brake applying device. G. E. Parker and A. H. Stahlhuth. 1,838,864; Dec. 29.
Brake-applying means. K. E. Lyman. 1,794,913; Mar. 3.
Brake applying means. K. E. Lyman. 1,834,530; Dec. 1.
Brake applying means. G. F. Michael. 1,801,444; Apr. 21.
Brake applying means. H. Perrot. 1,816,155; July 28.
Brake applying mechanism. G. L. Smith. 1,808,121; June 2.
Brake assembly. J. Sneed. 1,829,307; Oct. 27.
Brake band. J. W. Tatter. 1,805,501; May 19.
Brake bands, linings, straps, disks, clutch facings, and cones, Manufacture and treatment of automobile. A. L. and L. S. Hager. 1,797,141; Mar. 17.
Brake bands, Manufacturing and treating. A. L. and L. S. Hager. 1,797,142; Mar. 17.
Brake beam guard arm. B. Haskell. 1,810,707; June 16.
Brake beam hanger bracket. E. G. Busse. 1,804,146; May 5.
Brake-beam support for car trucks, Safety. W. E. Geddes. 1,838,388; Dec. 29.
Brake blocks on railway vehicles, Device for the radial adjusting of. W. Leggemann and W. Müller. 1,796,605; Mar. 17.
Brake cams, Controlling device for. L. N. Lauer. 1,792,432; Feb. 10.
Brake centralizer. T. P. Chase. 1,808,206; June 2.
Brake centralizer. A. W. Frehse. 1,838,381; Dec. 29.
Brake closure. R. J. Norton. 1,805,183; May 12.
Brake, clutch, or the like. H. C. King. 1,797,472; Mar. 24.
Brake construction. J. W. Jackson. 1,824,848; Sept. 22.
Brake construction. F. H. Leek. 1,825,674; Oct. 6.
Brake control for aircraft landing wheels. W. J. Carr. 1,825,577; Sept. 29.
Brake construction for draw works. B. W. Brewster. 1,816,310; July 28.
Brake control. B. Bendix. Re18,083; June 2.
Brake control. E. R. Evans. 1,833,707; Nov. 24.
Brake control apparatus. S. J. Boughton. 1,815,896; July 28.
Brake control, Clutch-. W. R. Freeman and E. H. Schweering. 1,800,520; Apr. 14.
Brake control, Dynamic and fluid pressure. J. C. McCune. 1,805,630; May 19.
Brake control, Elevator-. F. E. Turner. 1,790,030; Jan. 27.
Brake control, Fluid pressure. E. G. McCauley. 1,812,269; June 30.
Brake control, Fluid-. G. P. Berry. 1,788,854; Jan. 13.
Brake control for trailers, Remote mechanical. C. H. North. 1,804,025; May 5.
Brake control for turret cranes. T. N. Garson. 1,821,338; Sept. 1.
Brake-control mechanism. M. B. Jackson. 1,794,461; Mar. 3.
Brake control on pedal, Vacuum. G. P. Berry. 1,812,463; June 30.
Brake control shaft, Front. C. J. Bock. 1,826,380; Oct. 6.
Brake controlling device. G. L. R. J. Messier. 1,821,719; Sept. 1.
Brake covering and the like and manufacturing the same. H. Kattwinkel. 1,836,174; Dec. 15.
Brake cross shaft bracket. J. M. Crawford. 1,838,906; Dec. 29.
Brake cross-shaft construction. B. Jerome. 1,787,786; Jan. 6.
Brake cylinder device. C. C. Farmer. 1,816,077; July 28.
Brake device, Booster. R. R. Crum. 1,805,808; May 19.
Brake device, Fluid pressure. C. C. Farmer. 1,837,420; Dec. 22.
Brake device, Fluid pressure. C. W. McCune. 1,805,631; May 19.
Brake device, Magnetic. S. G. Down. 1,790,202; Jan. 27.
Brake device, Magnetic. S. G. Down. 1,801,908; Apr. 21.
Brake device, Magnetic. C. C. Farmer. 1,801,851; Apr. 21.
Brake device or coupling. P. Käppler. 1,834,624; Dec. 1.
Brake device, Vehicle. E. L. Beecher. 1,797,395; Mar. 24.
Brake drum. W. N. Booth. 1,826,413; Oct. 6.
Brake drum. T. P. Chase. 1,826,381; Oct. 6.

Brake drum. T. P. Chase. 1,833,413; Nov. 24.
Brake drum and wheel. D. M. White. 1,808,088; June 9.
Brake drum construction. E. A. Nelson. Re18,176; Sept. 1.
Brake drum, Fluid cooled. R. R. Bloss. 1,832,686; Nov. 17.
Brake drum squeaking, Eliminating. A. G. Barrett. 1,801,712; Apr. 21.
Brake-drum vibration-damping device. C. W. Frey. 1,791,495; Feb. 10.
Brake drums, Device for truing. C. V. Carlson. 1,832,529; Nov. 17.
Brake drums, Making. G. M. Evans. 1,811,999; June 30.
Brake drums, Making. J. W. Johnston. 1,822,814; Sept. 8.
Brake drums, Manufacture of. A. Y. Dodge. 1,796,835; Mar. 17.
Brake element. R. J. Norton. 1,818,088; Aug. 11.
Brake equalizer. O. H. Attridge. 1,788,141; Jan. 6.
Brake equalizer. H. E. Burton. 1,811,172; June 23.
Brake equalizer. W. O'Keefe. 1,796,874; Mar. 17.
Brake equalizer. F. W. Walsh. 1,812,184; June 30.
Brake equalizer and operating device. F. J. Bradley. 1,807,685; June 2.
Brake equalizer, Four-wheel. L. N. Linscott. 1,810,358; June 16.
Brake-equalizing mechanism. C. Koncitik. 1,789,631; Jan. 20.
Brake expanding mechanism. W. S. Lee. 1,816,595; July 28.
Brake expansion tube. S. G. Down. 1,816,076; July 28.
Brake flanges, Circulating system. L. J. Black. 1,821,135; Sept. 1.
Brake for airplanes, Fluid pressure. H. J. Winter. 1,824,062; Sept. 22.
Brake for aeroplanes, Wing. F. Suchofsky. 1,828,161; Oct. 20.
Brake for automobiles. L. B. Scott. 1,816,093; July 28.
Brake for automobiles, Safety. F. C. Lamb. 1,822,491; Sept. 8.
Brake for automobiles, Steering rod. L. C. Ritnour. 1,823,765; Sept. 15.
Brake for automotive vehicles. J. D. and W. W. Haalmeijer and W. J. van de Reijden. 1,839,096; Dec. 29.
Brake for automotive vehicles. L. C. Huck. 1,787,527; Jan. 6.
Brake for drawworks, drums, and hoists, Hydraulic. S. C. F. Luzzi. 1,833,167; Nov. 24.
Brake for fishing reels. S. T. Wharton. 1,821,735; Sept. 1.
Brake for high-speed warpers. E. H. Trevett and H. A. Davis. 1,794,345; Feb. 24.
Brake for looms, Beam-head. W. J. Oothout. 1,796,647; Mar. 17.
Brake for motor vehicles. E. Poulet. 1,812,551; June 30.
Brake for motor vehicles, Electrically operated. C. H. Shannon. 1,808,182; June 2.
Brake for motor vehicles, Mechanical. E. R. Slagle. 1,837,139; Dec. 15.
Brake for paper guide rolls. H. C. Jordhoy. 1,824,669; Sept. 22.
Brake for power driven shaft. A. E. Freeman and W. T. Livermore. 1,829,825; Nov. 3.
Brake for printing presses, Ink roller. F. E. Hughes. 1,819,329; Aug. 18.
Brake for railroad switch machines. W. K. Howe. 1,824,150; Sept. 22.
Brake for railroad vehicles, Pneumatic. R. G. Cowlishaw. 1,792,895; Feb. 17.
Brake for scales, Dash-pot. C. F. M. van Berkel and A. van Duyn. 1,809,084; June 9.
Brake for sleds. J. Z. Boutin. 1,806,444; May 19.
Brake for talking machines, Automatic. G. F. Clark. 1,813,483; July 7.
Brake for tractors, Steering wheel. V. Gregoire. 1,804,333; May 5.
Brake for trailers, Automatic. W. C. Lathers. 1,824,554; Sept. 22.
Brake for trains, Magnetic. J. Mosleh. 1,814,841; July 14.
Brake for twisting spindles, Thread. W. Lenk. 1,826,354; Oct. 6.
Brake for vehicles, Hydraulic. J. H. Peterson. 1,788,690; Jan. 13.
Brake for vehicles, Self adjustable. D. R. Johnson. 1,833,837; Nov. 24.
Brake hanger bracket. G. F. Couch. 1,820,443; Aug. 25.
Brake hangers, Manufacturing closed link. F. Schaefer. 1,826,027; Oct. 6.
Brake hanger support. W. O. Moody. 1,806,700; May 26.
Brake-hanger-supporting means. W. O. Moody. 1,795,033; Mar. 3.
Brake indicator. J. D. Peterson. 1,801,878; Apr. 21.
Brake lever, Adjustable. W. S. Lee and T. P. Chase. 1,812,492; June 30.
Brake lever construction. F. B. White. 1,831,335; Nov. 10.
Brake lever silencer, Service. F. G. Withrow. 1,820,720; Aug. 25.
Brake lining and making the same. E. Slade. 1,819,344; Aug. 18.
Brake lining means. E. J. McCune. 1,831,312; Nov. 10.
Brake lining stretcher. A. O. Wisti. 1,821,283; Sept. 1.
Brake mechanism. V. G. Apple. 1,806,579; May 26.
Brake mechanism. S. F. Arbuckle. 1,834,368; Dec. 1.
Brake mechanism. W. H. Baselt. 1,787,563; Jan. 6.
Brake mechanism. W. H. Baselt. 1,797,895; Mar. 24.
Brake mechanism. V. Bendix. 1,801,408; Apr. 21.
Brake mechanism. A. P. and W. A. Brush. 1,831,157; Nov. 10.
Brake mechanism. P. B. Camp. 1,815,235; July 21.
Brake mechanism. N. A. Christensen. 1,812,037; June 30.
Brake mechanism. A. Y. Dodge. 1,810,101; June 16.
Brake mechanism. A. Y. Dodge. 1,813,444; July 7.
Brake mechanism. A. H. Edgerton. 1,798,933; Mar. 31.
Brake mechanism. A. H. Edgerton. 1,808,947; June 9.
Brake mechanism. A. W. Frehse. 1,838,382; Dec. 29.
Brake mechanism. H. F. Kapperman. 1,828,568; Oct. 20.
Brake mechanism. A. Kazenmaier. 1,827,849; Oct. 20.
Brake mechanism. A. Kazenmaier and A. Strauss. 1,818,334; Aug. 11.
Brake mechanism. M. Laughead. 1,792,750; Feb. 17.
Brake mechanism. D. L. Maker and G. H. Myers. 1,838,951; Dec. 29.
Brake mechanism. L. P. Mooers and H. W. Fies. 1,819,192; Aug. 18.
Brake mechanism. R. C. Mountz. 1,828,612; Oct. 20.
Brake mechanism. H. Perrot. 1,812,168; June 30.
Brake mechanism. H. Perrot. 1,827,105; Oct. 13.
Brake mechanism. H. Perrot. 1,837,133; Dec. 15.
Brake mechanism. F. H. Ragan. 1,836,726; Dec. 15.
Brake mechanism. G. L. Smith. 1,792,773; Feb. 17.
Brake mechanism. G. L. Smith. 1,795,237; Mar. 3.
Brake mechanism. L. K. Snell. 1,805,053; May 12.
Brake mechanism. C. E. Starr. 1,804,894; May 12.
Brake mechanism. J. W. Tatter. 1,814,574; July 14.
Brake mechanism. H. L. F. Trebert. 1,833,448; Nov. 24.
Brake mechanism. J. V. Wigle. 1,814,535; July 14.
Brake mechanism, Air. A. L. Goodknight. 1,835,999; Dec. 8.
Brake mechanism, Fluid. B. P. Joyce. 1,825,233; Sept. 29.
Brake mechanism, Fluid. C. A. Sawtelle. 1,813,319; July 7.
Brake mechanism for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,788,378–9; Jan. 13.
Brake mechanism for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,801,410; Apr. 21.
Brake mechanism for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,817,800; Aug. 4.
Brake mechanism for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,822,688; Sept. 8.
Brake mechanism for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,826,414; Oct. 6.
Brake mechanism for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,835,752; Dec. 8.
Brake mechanism for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,838,803; Dec. 29.
Brake mechanism for centrifugal machines. E. Roberts. 1,806,683; May 26.
Brake mechanism for motor vehicles. W. J. Besler. 1,809,328; June 9.
Brake mechanism for motor vehicles. W. J. Besler. 1,828,386; Oct. 20.
Brake mechanism for typewriting machines. H. A. Foothorap. 1,787,573; Jan. 6.
Brake mechanism for vehicle wheels. H. F. Dixon and P. Weiland. 1,826,462; Oct. 6.
Brake mechanism, Hand. W. H. Johnston. 1,795,954; Mar. 10.
Brake mechanism, Hydraulic. F. Y. McKenney. 1,811,019; June 23.
Brake mechanism, Railway-. L. D. Cregg. 1,791,670; Feb. 10.
Brake mechanism, Safety device for automatic adjusting devices for. O. Bourbeau. 1,800,129; Apr. 7.
Brake mechanism, Self adjusting. A. F. Everhart. 1,923,973; Sept. 22.
Brake mechanism, Two shoe. H. A. Schwager. 1,837,681; Dec. 22.
Brake mechanism, Vacuum. C. S. Bragg and V. W. Kliesrath. 1,809,014; June 9.
Brake mechanism, Volute. D. S. Barrows. 1,828,218; Oct. 20.
Brake of motor vehicles, Vacuum. F. Porsche. 1,801,174; Apr. 14.
Brake on locomotives, Equipment of air. W. M. Jenkins. 1,815,671; July 21.
Brake-operating apparatus. N. A. Christensen. 1,787,613; Jan. 6.
Brake operating connection. R. S. Sanford. 1,812,021; June 30.
Brake-operating device for motor vehicles. L. Rouanet. 1,795,145; Mar. 3.
Brake operating device for motor vehicles. L. Rouanet. 1,807,707; June 2.
Brake operating device, Vehicle. C. D. Ramelli. 1,820,158; Aug. 25.
Brake operating means. A. Y. Dodge, and R. S. Sanford. 1,824,038; Sept. 22.
Brake operating means. W. S. James. 1,809,973; June 16.
Brake-operating means. C. Koncitik. 1,789,632; Jan. 20.
Brake-operating means. L. E. La Brie. 1,790,670; Feb. 3.
Brake operating means. E. G. McDonald. 1,831,073; Nov. 10.
Brake operating means. G. F. Michael. 1,812,011; June 30.
Brake operating means, Hydraulic and band. W. G. Price. Re18,217; Sept. 29.

Brake-operating mechanism. J. R. Cautley. 1,791,612; Feb. 10.
Brake-operating mechanism. T. P. Chase. 1,795,290; Mar. 10.
Brake-operating mechanism. N. A. Christensen. 1,787,614; Jan. 6.
Brake-operating mechanism. W. W. Constantine. 1,797,329; Mar. 24.
Brake operating mechanism. R. F. Kohr. 1,824,725; Sept. 22.
Brake-operating mechanism. R. E. Lyford. 1,790,672; Feb. 3.
Brake operating mechanism. M. W. McConkey. 1,820,472; Aug. 25.
Brake-operating mechanism. E. G. McDonald. 1,798,549; Mar. 31.
Brake operating mechanism. C. J. Nash and H. E. Bartsch. 1,804,179; May 5.
Brake operating mechanism. H. Perrot. 1,827,104; Oct. 13.
Brake operating mechanism. W. Purcell. 1,817,844; Aug. 4.
Brake operating mechanism. E. A. Rockwell. 1,817,943; Aug. 11.
Brake-operating mechanism. R. S. Sanford. 1,800,473; Apr. 14.
Brake operating mechanism. R. S. Sanford. 1,808,076; June 2.
Brake operating mechanism. R. S. Sanford. 1,812,022; June 30.
Brake operating mechanism. R. S. Sanford. 1,819,846; Aug. 18.
Brake operating mechanism, Auxiliary. H. Hubbell, jr. 1,804,773; May 12.
Brake-operating mechanism for draw works, Screw-type. G. Tremolada. 1,792,617; Feb. 17.
Brake-operating mechanism for vehicles. H. Jaggar. 1,797,148; Mar. 17.
Brake-operating mechanism, Railway-. L. T. Penny. 1,792,442; Feb. 10.
Brake operating mechanism, Trailer. R. L. Stout. 1,824,845; Sept. 29.
Brake operator. H. H. Semmes. 1,805,190; May 12.
Brake or dashpot, Liquid. A. van Duyn. 1,809,083; June 9.
Brake-pedal actuator. I. E. Weaver. 1,790,851; Feb. 3.
Brake police auxiliary device, Life-preserver bumper, emergency. M. Coppola. 1,788,276; Jan. 6.
Brake pressure regulator. T. H. Thomas. 1,801,824; Apr. 21.
Brake rattle silencer. F. G. Withrow. 1,820,719; Aug. 25.
Brake release, Automatic hand. B. I. Fink. 1,819,952; Aug. 18.
Brake release device. C. C. Farmer. 1,805,617; May 19.
Brake release device. G. H. Taber. 1,812,502; June 30.
Brake release device. T. H. Thomas. 1,810,541; June 16.
Brake release means, Air. E. T. Hier. 1,802,916; Apr. 28.
Brake releasing device. E. V. Griffin, T. J. Marriner, and E. R. Parsons. 1,831,301; Nov. 10.
Brake rigging. R. G. Anderson. 1,820,723; Aug. 25.
Brake rigging. J. W. Foyle. 1,789,736; Jan. 20.
Brake rigging. W. C. Hedgcock. 1,836,245; Dec. 15.
Brake rigging, Automatic slack adjuster for. H. E. Anderson. 1,790,362; Jan. 27.
Brake rigging, Clasp. W. H. Mussey. 1,807,575; May 26.
Brake rigging for railway cars. J. C. Whitridge and C. L. Orr. 1,820,856; Aug. 25.
Brake rigging, Foundation. W. H. Sauvage. 1,809,729; June 9.
Brake rod. W. A. and R. O. Garrigus. 1,803,550; May 5.
Brake rod antirattler. F. G. Withrow. 1,820,721; Aug. 25.
Brake rod jaw, Adjustable. L. C. Koopmans. 1,824,821; Sept. 29.
Brake rotor. R. J. Norton. 1,800,900; Apr. 14.
Brake setting and releasing apparatus. C. F. and F. D. Joers. 1,824,050; Sept. 22.
Brake shelf for railroad cars. J. J. Tatum. 1,831,517; Nov. 10.
Brake shoe. A. W. Frehse. 1,787,780; Jan. 6.
Brake shoe. A. W. Frehse, and C. G. Belden. 1,798,935; Mar. 31.
Brake shoe. H. A. Gillies. 1,827,081; Oct. 13.
Brake shoe. R. F. Kohr. 1,793,231; Feb. 17.
Brake shoe. L. E. La Brie. 1,825,671; Oct. 6.
Brake shoe. J. W. Latimer. 1,817,570; Aug. 4.
Brake shoe. H. E. Maynard. 1,818,565; Aug. 11.
Brake shoe. A. Nelson. 1,821,069–70; Sept. 1.
Brake shoe. C. D. Pettis. 1,820,490; Aug. 25.
Brake shoe. F. W. Sargent. 1,837,588; Dec. 22.
Brake shoe. S. Whitworth. 1,812,028; June 30.
Brake shoe and making same. L. P. Mooers. 1,826,283; Oct. 6.
Brake shoe and making same. J. W. Peterson. 1,818,090; Aug. 11.
Brake shoe and mounting therefor. W. F. Oliver. 1,832,136; Nov. 17.
Brake shoe connecting means. D. L. Gallup. 1,821,149; Sept. 1.
Brake-shoe construction. C. D. Pettis. 1,787,547; Jan. 6.
Brake shoe key. E. H. Cooper. 1,832,766; Nov. 17.
Brake-shoe pivot. G. E. Parker and A. H. Stahlhuth. 1,789,448; Jan. 20.
Brake shoe, Pressed-metal. T. P. Chase. 1,794,348; Feb. 24.
Brake shoe, Railroad. L. Zimerman. 1,814,778; July 14.
Brake shoe, Semirigid. W. F. Oliver. 1,832,135; Nov. 17.
Brake-shoe structure. R. J. Norton. 1,788,319; Jan 6.
Brake shoes, Manufacture of pressed. L. P. Mooers. 1,810,923; June 23.
Brake slack adjuster. F. H. Pietzsch and S. H. Campbell. 1,838,445; Dec. 29.
Brake slack adjuster for railway cars. P. B. Camp. 1,812,256; June 30.
Brake spider. A. H. Leipert. 1,810,356; June 16.
Brake structure. J. A. Miller. 1,827,162; Oct. 13.
Brake system. R. E. Mitton. 1,822,665; Sept. 8.
Brake system for automotive vehicles. A. A. Agueeff. 1,835,740; Dec. 8.
Brake system for automotive vehicles. C. S. Bragg and V. W. Kliesrath. 1,826,418; Oct. 6.
Brake system for electrically operated vehicles. L. Spangler. 1,833,443; Nov. 24.
Brake system for six-wheel drives. H. B. Shields. 1,796,406; Mar. 17.
Brake system, Vacuum. C. S. Bragg and V. W. Kliesrath. 1,807,277; May 26.
Brake systems, Method and apparatus for flushing and filling hydraulic. A. L. Patton. 1,825,013; Sept. 29.
Brake take-up. R. W. Fishback. 1,800,380; Apr. 14.
Brake tester. D. F. Graham. 1,794,168; Feb. 24.
Brake tester. G. F. Schodde. 1,830,680; Nov. 3.
Brake tester, Vehicle wheel. I. A. Weaver. 1,830,148; Nov. 3.
Brake testing apparatus. P. A. Sandberg and J. E. Olen. 1,831,198; Nov. 10.
Brake testing apparatus. C. F. Smith and W. F. Page. 1,830,340; Nov. 3.
Brake testing device. H. Casler and C. P. Grimes. 1,803,169; Apr. 28.
Brake testing device. F. E. and E. L. Macabee. 1,804,942; May 12.
Brake testing device. O. F. Rettig and C. E. West. 1,810,085; June 16.
Brake testing machine. P. J. Donavan. Re18,270; Dec. 8.
Brake testing machine. H. W. Langbein. 1,801,927; Apr. 21.
Brake testing means for automobiles. L. C. Stukenborg. 1,825,484; Sept. 29.
Brake thrust distributor. G. L. R. J. Messier. 1,822,900; Sept. 15.
Brake valve device. J. M. Dapron. 1,824,036; Sept. 22.
Braking apparatus. B. Dick. 1,806,151; May 19.
Braking apparatus, Fluid pressure. A. Chevillot. 1,832,893; Nov. 24.
Braking apparatus, Fluid-pressure. C. W. Sproull. 1,796,769; Mar. 17.
Braking apparatus for aircraft. M. Berkeron. 1,828,641; Oct. 20.
Braking apparatus, Railway. H. L. Bone. 1,812,191; June 30.
Braking apparatus, Railway. H. L. Bone. 1,812,193; June 30.
Braking apparatus, Vehicle. N. A. Christensen. 1,812,036; June 30.
Braking appliance for airplanes. E. N. Cavert. 1,831,160; Nov. 10.
Braking attachment. W. E. Potter. 1,798,808; Mar. 31.
Braking attachment for vehicle motors. W. H. Hewitt. 1,812,787; June 30.
Braking device, Electrical synchronous. R. Barthelemy. 1,823,779; Sept. 15.
Braking device for idly-running motors, Dynamic. A. Bessler. 1,796,555; Mar. 17.
Braking device for spring suspension. E. J. Pilblad. 1,797,442; Mar. 24.
Braking device for vehicles. J. Mallinger. 1,831,919; Nov. 17.
Braking for circuit interrupters, Selective. J. W. Ow. 1,836,985; Dec. 15.
Braking mechanism. A. Y. Dodge. 1,795,845; Mar. 10.
Braking mechanism. A. H. G. Girling. 1,809,479; June 9.
Braking mechanism. B. Lyden. 1,837,457; Dec. 22.
Braking mechanism. J. H. Olson. 1,819,788; Aug. 18.
Braking mechanism, Automatic. R. Neuschotz. 1,837,884; Dec. 22.
Braking mechanism for aeroplanes, Safety. W. Buerer. 1,807,194; May 26.
Braking of electrically-propelled rail vehicles. A. W. Maley and E. M. Taunton. 1,790,826; Feb. 3.
Braking system. V. Bendix. 1,799,495; Apr. 7.
Braking system. D. Y. Dodge. 1,820,604; Aug. 25.
Braking system. L. E. La Brie. 1,801,748; Apr. 21.
Braking system. M. H. Loughridge. 1,805,551; May 19.
Braking system. A. C. Mathieson. 1,797,431; Mar. 24.
Braking system, Dynamic. N. H. Willby. 1,835,548; Dec. 8.
Braking system for airplanes, Hydraulic. M. Charles. 1,823,255; Sept. 15.
Braking system for land vehicles, Fluid operated four wheel. D. C. Kellogg. 1,808,987; June 9.
Braking system for motor vehicles, Rear-. A. S. Nielson and R. S. Abernethy. 1,798,102; Mar. 24.
Braking system, Hydraulic. C. Smith. 1,831,081; Nov. 10.
Brakes and other devices, Adjusting. M. B. Morgan. 1,827,948; Oct. 20.

Brakes, Apparatus for testing automobile. L. L. Graham and O. S. Flood. 1,789,650; Jan. 20.
Brakes, Automatic slack adjuster for. B. H. Browall. 1,811,913; June 30.
Brakes, Automatic take-up for. T. P. Chase. 1,833,412; Nov. 24.
Brakes, Auxiliary apparatus for setting air. O. Hoover. 1,799,422; Apr. 7.
Brakes, Bleeder attachment for air. L. W. Heffelfinger and L. J. Courtney. Re18,295; Dec. 22.
Brakes, Device for use when testing or adjusting. W. H. Welch. 1,829,426; Oct. 27.
Brakes for aircraft. K. Kollinek. 1,802,724; Apr. 28.
Brakes, Mechanism for controlling. R. S. Gans. 1,811,006; June 23.
Brakes, Method and apparatus for testing vehicle. H. H. Patton. 1,825,539; Sept. 29.
Brakes of vehicles, Method and machine for testing. G. H. Taber. 1,822,463; Sept. 8.
Brakes on railway cars and the like, Automatic slack adjuster for. B. H. Browall. 1,811,914; June 30.
Brakes, Signaling and control device for air. L. J. Cooney. 1,796,646; Mar. 17.
Brakes, Slack adjuster for railway. R. W. Joy. 1,803,394; May 5.
Brakes, Steam ejector of vacuum. P. M. E. Léotard. 1,808,668; June 2.
Brakes, Supporting means for. W. C. Hedgcock. 1,810,210; June 16.
Brakes, Testing. H. W. Langbein. 1,838,413–14; Dec. 29.
Branding machine. H. H. McKee and G. Schuler. 1,807,631; June 2.
Branding machine, Base-. J. E. Ferguson. 1,791,303; Feb. 3.
Branding machine, Electromagnetic. C. O. Caster and A. H. Stpitzenberger. 1,788,983; Jan. 13.
Brass melting apparatus. A. and G. Schuler Machlet. 1,808,145. June 2.
Brass-melting furnace. A. W. Machlet. 1,789,149; Jan. 13.
Brass rolling, Cold. J. C. Sharp. 1,789,054; Jan. 13.
Brassière. M. R. Alexander. 1,822,872; Sept. 15.
Brassière. R. E. Bennett. 1,815,664; July 21.
Brassière. M. A. Bollwine. 1,804,855; May 12.
Brassière. V. Christoff. 1,825,579; Sept. 29.
Brassière. J. B. Dickson. 1,836,840; Dec. 15.
Brassière. H. Frieland. 1,802,464; Apr. 28.
Brassière. M. W. Meeks and A. C. Alt. 1,821,353; Sept. 1.
Brassière. H. Pons. 1,798,274; Mar. 31.
Brassière. E. M. Tabb. 1,812,273; June 30.
Brassière. J. C. West. 1,792,787; Feb. 17.
Brassière. M. V. Wozencraft and M. E. Wright. 1,838,604; Dec. 29.
Brassière and harness. S. Maxwell. 1,794,785; Mar. 3.
Brazing, Device for. F. M. Young. 1,835,624; Dec. 8.
Brazing flux. J. J. Phelan. 1,835,965; Dec. 8.
Bread and cake box. F. L. Hazelquist. 1,833,486; Nov. 24.
Bread and making same, Pan loaf. D. M. Binger. 1,812,769; June 30.
Bread box. E. Glasser. Des. 83,601; Mar. 10.
Bread handling apparatus. O. F. Rohwedder. 1,826,676; Oct. 6.
Bread-handling machine. O. F. Rohwedder. 1,790,022; Jan. 27.
Bread, Making of. J. E. Wilson, S. McConnell, and C. Brown. 1,800,920; Apr. 14.
Bread mold. E. Ingoglia. 1,801,160; Apr. 14.
Bread package, Sliced. O. F. Rohwedder. 1,816,399–400; July 28.
Bread packing machine. A. J. Andersen. 1,828,238; Oct. 20.
Bread, Partially sliced wrapped. L. E. La Bombard and M. H. Sidebotham. 1,803,711; May 5.
Bread rack. B. Bouda. 1,817,961; Aug. 11.
Breakdown mill. A. Paterson. 1,804,111; May 5.
Breaker, Circuit. W. M. Austin and J. B. MacNeill. 1,820,769; Aug. 25.
Breaker strip. G. A. Handy. 1,818,950; Aug. 11.
Breast beautifier. W. Merckelbach, née Werner. 1,792,180; Feb. 10.
Breather and overflow device. A. A. Heinz. 1,816,580; July 28.
Breathing apparatus. R. H. Davis. 1,814,506; July 14.
Breathing apparatus. N. L. Dootson. 1,831,292; Nov. 10.
Breech block operating mechanism. G. M. McCann. 1,802,727; Apr. 28.
Breech closure. F. Herlach and H. Ludwig. 1,803,251; Apr. 28.
Breeches. H. A. Speh. 1,831,930; Nov. 17.
Breeches, Service. J. A. Lieberman. 1,838,022; Dec. 22.
Bric-a-brac, Article of. F. Carder. Des. 84,515; June 30.
Bric-a-brac, Article of. F. Carder. Des. 85,323; Oct. 13.
Brick and making the same. W. McClintock. 1,825,969; Oct. 6.
Brick and making same. A. Paul, jr. 1,791,372; Feb. 3.
Brick and pallet centering device. G. E. Luce and T. B. Huestis. 1,820,471; Aug. 25.
Brick and tile machine. A. P. Steele. 1,815,809–10; July 21.
Brick, Apparatus and process for texturing. J. E. Smith. 1,809,572; June 9.
Brick, Building. S. D. Pearson. Des. 84,753; July 28.
Brick cleaner. W. R. Bankson. 1,813,014; July 7.
Brick, Composite. E. M. Wyatt. 1,794,572; Mar. 3.
Brick embossing machine. J. J. F. Brand. 1,825,938; Oct. 6.
Brick for furnace arches of the suspended type and the arch formed thereby. L. S. Trachsel. 1,793,031; Feb. 17.
Brick for rotary cement kilns, Lining. H. Saito. 1,817,421; Aug. 4.
Brick fork. G. J. Willer. 1,790,688; Feb. 3.
Brick-handling machine. W. W. Wallace. 1,800,971; Apr. 14.
Brick handling mechanism. A. H. Mallery and E. M. Hicks. 1,818,728; Aug. 11.
Brick, Hollow glass. S. B. Bowman. Des. 85,320; Oct. 13.
Bricklaying machine. J. W. Kavanagh. 1,833,582; Nov. 24.
Brick laying machine. T. Palatini. 1,818,741; Aug. 11.
Brick lifting and transferring mechanism. I. H. Wilsey. 1,793,576; Feb. 24.
Brick machine. H. M. Fenati. 1,793,216; Feb. 17.
Brick machine. J. N. Porter. 1,809,601; June 9.
Brickmaking machine. R. P. M. Davis. 1,803,546; May 5.
Brick making machine. R. P. M. Davis. 1,819,740–1; Aug. 18.
Brick making machine. T. R. Largura. 1,816,572; July 28.
Brick making machine. E. D. Martinet. 1,814,172; July 14.
Brick making machine. R. A. Parry. 1,814,227; July 14.
Brick meter. S. M. Phelps. 1,806,118; May 19.
Brick mold. J. A. Crowell. 1,793,306; Feb. 17.
Brick mold. J. A. Crowell. 1,822,646; Sept. 8.
Brick mold rapping mechanism. C. Potts and W. S. Minter. 1,815,583; July 21.
Brick molding machine. A. A. Oeffner and V. Trotta. 1,824,493; Sept. 22.
Brick or the like, Apparatus for splitting. R. D. Lindsay. 1,799,173; Apr. 7.
Brick or wall construction, Hollow. W. J. Wilkins. 1,795,001; Mar. 3.
Brick press, Mechanical. G. Rigaux. 1,820,366; Aug. 25.
Brick-roughening machine. R. D. Lindsay. 1,788,725; Jan. 13.
Brick sander and method. F. F. Steele. 1,812,809; June 30.
Brick setter. G. E. Luce and F. G. Senter. 1,794,698; Mar. 3.
Brick stack carrier. R. A. Fontaine. 1,811,429; June 23.
Brick, Textured. E. M. Wyatt. 1,826,916; Oct. 13.
Brick veneer. A. P. Heh. 1,831,662; Nov. 10.
Brick wall construction and brick. C. A. Willson. 1,832,074; Nov. 17.
Brick wall, Patterned. E. M. Wyatt. 1,826,917; Oct. 13.
Bricks, Apparatus for and method of making. G. S. Housman. 1,810,078; June 16.
Bricks, Apparatus for molding. G. S. Housman. 1,814,159; July 14.
Bricks, Making. A. Sassur. 1,837,072; Dec. 15.
Bridge. J. B. Strauss. 1,810,034; June 16.
Bridge and breaker. J. Gogol. 1,797,138; Mar. 17.
Bridge, Double-deck bascule. J. B. Strauss. 1,798,506; Mar. 31.
Bridge especially for transportable furnace plants, Fire. U. Barske. 1,793,205; Feb. 17.
Bridge for an eyeglass mounting. H. J. Langknecht. Des. 83,202; Feb. 3.
Bridge for an ophthalmic mounting. A. B. Belgard. Des. 85,631–2; Dec. 1.
Bridge for an ophthalmic mounting. E. M. Splaine. Des. 85,776; Dec. 15.
Bridge for ophthalmic mountings. H. H. Styll. 1,838,793; Dec. 29.
Bridge for an ophthalmic mounting, Nose. S. E. Bouchard. Des. 85,729; Dec. 15.
Bridge grate. A. Foshay and C. Lovelace. 1,807,907; June 2.
Bridge, Portable. B. B. Dillman. 1,816,672; July 28.
Bridge support for submarines. H. E. Grieshaber. 1,793,796; Feb. 24.
Bridge table. E. C. H. Townsend and H. N. Carlson. 1,833,728; Nov. 24.
Bridges, Operating and control mechanism for ferry. C. C. Tomkinson. 1,797,808; Mar. 24.
Bridgework, Repairing dental. J. H. Moyer. 1,833,720; Nov. 24.
Bridle bit. V. Meyer. 1,796,608; Mar. 17.
Bridle, Riding. M. J. Knoud. 1,827,367; Oct. 13.
Brief case. W. Rieb. 1,838,869; Dec. 29.
Brief-case lock. A. Levine. Des. 38,115; Jan. 20.
Brine, Apparatus for the preparation of cooling. E. A. H. Kjorstad. 1,791,032; Feb. 3.
Brine, Treating. W. R. Collings. 1,796,920; Mar. 17.
Brine, Treating. C. F. Prutton. 1,829,539; Oct. 27.
Briquette composition and making briquettes. G. Komarek. 1,796,465; Mar. 17.
Briquette forming and baking machine. W. C. Carpenter. 1,819,277; Aug. 18.
Briquettes. Apparatus for making. H. Archbald. 1,828,586; Oct. 20.
Briquettes from clay, sulphite liquor, and carbonaceous material, Manufacturing. L. Weber. 1,791,077; Feb. 3.

Briquetting composition. L. L. Simpson, and W. H. Brown. 1,800,875; Apr. 14.
Briquetting machine. J. C. Lemming. 1,806,300; May 19.
Briquetting machine. J. C. Lemming and A. H. Valentine. 1,820,235; Aug. 25.
Bristles in the bodies of brushes. Securing bundles of. K. Dressler. 1,825,145; Sept. 29.
Bristles, Treating whale bone. M. Diepold. 1,836,908; Dec. 15.
Brittles, Making edible bar. E. Messer. 1,829,568; Oct. 27.
Broach. J. C. Atwood. 1,806,552; May 19.
Broaching equipment. C. J. Halborg. 1,802,053; Apr. 21.
Broaching machine. L. H. Blood. 1,815,647; July 21.
Broaching machine. W. Ferris. 1,823,975; Sept. 22.
Broaching machine. F. J. Lapointe. 1,831,960; Nov. 17.
Broaching machine, Vertical pull. F. J. Lapointe. 1,806,106; May 19.
Broadcast distribution, Wired. E. E. Clement. 1,836,904; Dec. 15.
Broadcast transmission, Regulation of level in. R. K. Potter. 1,811,025; June 23.
Broadcasting, Simultaneous wireless. W. Hahnemann. 1,798,415; Mar. 31.
Broadcasting system. W. van B. Roberts. 1,790,486; Jan. 27.
Broiler. C. N. Dibble. 1,808,768; June 9.
Broiler. C. M. Dibble. 1,811,428; June 23.
Broiler. A. Dovica. 1,831,442; Nov. 10.
Broiler. S. A. Wilde. 1,838,800; Dec. 29.
Broiler grid. L. W. Serrell. 1,794,870; Mar. 3.
Broiler, Meat. G. B. Grace and L. P. Lansing. 1,830,024; Nov. 3.
Broiler pan. T. E. Taylor. 1,795,523; Mar. 10.
Broiling device. A. A. Stone. 1,819,660; Aug. 18.
Bronze, White. J. H. Cheetham. 1,826,239; Oct. 6.
Brooch and the like. G. Candas. 1,798,867; Mar. 31.
Brooch clasp. L. J. Cartier. 1,814,290; July 14.
Brooch or similar article. B. Mechlovits. Des. 83,273; Feb. 10.
Brooder. C. L. Anderson. 1,804,242; May 5.
Brooder. F. E. Bartlett. 1,798,395; Mar. 31.
Brooder. J. F. MacKay. 1,802,349; Apr. 28.
Brooder. P. S. Martin. 1,808,364; June 2.
Brooder. C. A. Schaefer, jr. 1,796,626; Mar. 17.
Brooder. M. L. Williams. 1,830,154; Nov. 3.
Brooder. R. T. Williams. 1,800,038; Apr. 7.
Brooder and heating accessory therefor. L. McIntosh and I. T. Brown. 1,831,504; Nov. 10.
Brooder and runway, Combined chicken. V. A. Dorathy and F. D. Allan. 1,839,173; Dec. 29.
Brooder-canopy support. R. T. Williams. 1,800,039; Apr. 7.
Brooder, Chick. E. M. Pierce. 1,837,065; Dec. 15.
Brooder, Electric. D. H. Hill. 1,800,216; Apr. 14.
Brooder, Electrically heated. D. B. Tolley. 1,813,001; July 7.
Brooder heater. H. E. Ellis and F. T. Williams. 1,809,892; June 16.
Brooder heater. F. W. Lord. 1,822,049; Sept. 8.
Brooder heater. J. R. Williams. 1,800,040; Apr. 7.
Brooder ventilation structure. A. W. Bruce. 1,823,584; Sept. 15.
Brooders and other enclosures, Unfolding construction for. R. A. Gorsuch. 1,818,320; Aug. 11.
Brooders, Feeding and drinking attachment for. O. F. Carpenter. 1,812,684; June 30.
Broom band. C. Morris. 1,837,984; Dec. 22.
Broom construction. C. L. Wingard. 1,814,201; July 14.
Broom, mop, squeegees, and the like. M. Pomfret. 1,838,448; Dec. 29.
Broom or rake, Wire. E. W. Dowd. 1,813,445; July 7.
Broom tensioning device. S. G. Wilson. 1,824,582; Sept. 22.
Broom, Whisk. O. Lee. 1,814,169; July 14.
Brooms, Making. W. Hertzberg. 1,798,420; Mar. 31.
Brush. A. L. Abbot. Des. 83,889; Apr. 14.
Brush. C. Bertola. 1,787,970; Jan. 6.
Brush. A. Bianchini. 1,797,067; Mar. 17.
Brush. M. T. Brekke. Des. 83,303; Feb. 17.
Brush. H. Cave. 1,806,520; May 19.
Brush. T. Chee Choo. 1,829,850; Nov. 3.
Brush. P. A. Cross. 1,807,281; May 26.
Brush. L. L. Hales. 1,804,415; May 12.
Brush. B. Jacobs. 1,794,711; Mar. 3.
Brush. F. D. Jacobs. 1,806,542; May 19.
Brush. P. A. Jones. 1,809,974; June 16.
Brush. R. R. Myers. 1,835,320; Dec. 8.
Brush. G. W. Newell. 1,813,076; July 7.
Brush. C. L. Shank. 1,835,672; Dec. 8.
Brush. A. Steidle. 1,799,260; Apr. 7.
Brush. S. Tavalin. 1,812,457; June 30.
Brush. H. Theess. 1,811,192; June 23.
Brush. G. H. Voight. 1,825,929; Oct. 6.
Brush. H. B. White. 1,826,267; Oct. 6.
Brush. E. A. Williford. 1,818,515; Aug. 11.
Brush adjusting means for carpet sweepers. E. R. Smith. 1,836,512; Dec. 15.
Brush, Air. L. Larson. 1,787,583; Jan. 6.
Brush and closure for collapsible tubes, Combination shaving. M. Rudof. 1,796,346; Mar. 17.
Brush and current collector. H. D. Munday. 1,807,794; June 2.
Brush and making same, Rotary. A. A. Angell. 1,824,649; Sept. 22.
Brush and mounting therefor. C. L. Kennedy. 1,833,525; Nov. 24.
Brush and polisher, Tooth. H. R. Priest. 1,833,434; Nov. 24.
Brush and pulley, Carpet sweeper. I. J. Owen. 1,826,432; Oct. 6.
Brush and receptacle, Fountain shaving. H. R. Priest. 1,811,965; June 30.
Brush attachment for floor treating machines. G. I. Johnson. 1,830,362; Nov. 3.
Brush, Automatic powder. A. J. Evans and R. T. Raines. 1,820,787; Aug. 25.
Brush, Automobile. A. J. W. Wiegart. 1,817,050; Aug. 4.
Brush, Bottle cleaning. P. T. Edgar. 1,827,569; Oct. 13.
Brush, Bottle cleaning. M. Gensbaw and E. Kaake. 1,837,121; Dec. 15.
Brush, Bottle-washing. J. L. Herold and J. W. Dawson. 1,824,994; Sept. 29.
Brush cleaning machine. W. S. Elliot. 1,804,601; May 12.
Brush, Combination surface treating and conditioning. A. J. Wolf. 1,818,917; Aug. 11.
Brush, Cup shaped rotary. R. G. Mertes. 1,829,665; Oct. 27.
Brush cutting apparatus. R. M. Rowe. 1,830,245; Nov. 3.
Brush, Dental plate. H. Cave. 1,806,519; May 19.
Brush, Denture. S. M. Edison. 1,812,826; June 30.
Brush, drying and cleaning. M. Soss. 1,818,282; Aug. 11.
Brush, Dynamo. N. R. Haas. 1,804,052; May 5.
Brush, Electro-therapeutic hair. A. A. S. Barker. 1,820,769; Aug. 25.
Brush, Floor. E. C. Rackliffe. 1,797,366; Mar. 24.
Brush for bottle washing machines, Cam operated swinging. G. J. Meyer and O. Dreher. 1,830,068; Nov. 3.
Brush for bottle washing machines, Swinging outside. G. J. Meyer, O. Dreher, and J. Campo. 1,817,014; Aug. 4.
Brush for cleaning artificial teeth. L. Schmitter. 1,816,092; July 28.
Brush for cleaning pipes and tubes. J. H. Roe. 1,809,725; June 9.
Brush for coating machines, Distributing. L. B. Case. 1,827,641; Oct. 13.
Brush for dynamo-electric machinery. F. H. Pritchard. 1,801,107; Apr. 14.
Brush for dynamo electric machines. W. H. Hardman. 1,808,549; June 2.
Brush for electric motors. A. E. Oswald. 1,826,478; Oct. 6.
Brush for plan sifters, Rider. H. Stamm. 1,801,249; Apr. 14.
Brush for scrubbing machines. A. A. Hartman. 1,808,656; June 2.
Brush, Fountain. C. F. Fitter. 1,819,157; Aug. 18.
Brush, Fountain. W. Marsh. 1,811,512; June 23.
Brush, Fountain. T. E. Modd. 1,802,616; Apr. 28.
Brush, Fountain. M. Soss. 1,818,280; Aug. 11.
Brush, Fountain shaving. G. Trupiano. 1,810,544; June 16.
Brush, Fountain shaving. S. E. Wallace. 1,837,802; Dec. 22.
Brush, Golf-course. J. MacGregor. 1,801,016; Apr. 14.
Brush, Hair. R. T. Johnson. 1,831,667; Nov. 10.
Brush, Hair. A. Kilstrom. 1,813,745; July 7.
Brush, Hair. J. Zappulla. Des. 84,613; July 7.
Brush handle. R. H. Cartwright. 1,826,165; Oct. 6.
Brush handle. W. J. Trevillian. Des. 83,771; Mar. 24.
Brush handle attachment. J. Bochnek. 1,821,875; Sept. 1.
Brush, Interchangeable polishing. D. J. Lee. 1,795,869; Mar. 10.
Brush, Lathering. H. Friedlander. 1,810,074; June 16.
Brush machine. F. O. Carlson. 1,835,464; Dec. 8.
Brush machine. W. D. Lipps. 1,835,507; Dec. 8.
Brush, Magnetic. W. S. Pierce, jr. 1,831,393; Nov. 10.
Brush-making machines, Bristle magazine for. L. B. Terhune. 1,835,824; Dec. 8.
Brush-making machines, Wire carrier for. C. E. Fisher. 1,791,091; Feb. 3.
Brush, Shaving. C. Shneider and J. Roeder. 1,833,232; Nov. 24.
Brush strip forming machine. H. Cave. 1,834,911; Dec. 1.
Brush, Paint. W. L. Lynde. Des. 85,251; Sept. 29.
Brush, Prophylactic. J. E. Scott. 1,823,128; Sept. 15.
Brush rake. D. R. Garretson. 1,817,361; Aug. 4.
Brush, Reservoir. A Foltis. 1,798,591; Mar. 31.
Brush, Rotary. I. L. G. Cornell. 1,800,376; Apr. 14.
Brush, Rotary. E. E. Curtis. 1,817,176; Aug. 4.
Brush, Rotary. I. M. Lecker. 1,838,416; Dec. 29.
Brush, Rubber. M. Samuel. 1,817,585; Aug. 4.
Brush, Sanitary. C. C. Crouch. 1,800,437; Apr. 14.
Brush, Self-disinfecting. C. Gordyn, jr., and H. van der Molen. 1,798,081; Mar. 24.
Brush, Shaving. W. G. Frazier. 1,813,615; July 7.
Brush, Shaving. M. Seik. 1,798,637; Mar. 31.
Brush, Shaving. R. Skvorecz. 1,815,119; July 21.
Brush, Soot. S. G. Bladh and G. E. Brofelth. 1,816,761; July 28.
Brush, Spotting. J. Zimmerman and F. A. Glock. 1,796,641; Mar. 17.
Brush, Stencil. T. B. Denton. Des. 83,190; Feb. 3.

Brush, Street cleaning. E. J. Allen. 1,803,086; Apr. 28.
Brush, Tube-coating. C. F. Moore. 1,796,337; Mar. 17.
Brush, Tube-coating. C. F. Moore. 1,799,385; Apr. 7.
Brush, Tubular. A. A. Page. 1,838,958; Dec. 29.
Brush, Vacuum. G. Roscher. 1,792,712; Feb. 17.
Brush, Vacuum. R. Santini. 1,808,178; June 2.
Brush, Vacuum cleaner. G. J. R. Thamm. 1,823,071; Sept. 15.
Brush, Vibrator fountain. M. Soss. 1,818,281; Aug. 11.
Brush, Washing and scrubbing. R. W. Emerson. 1,813,569; July 7.
Brush, Water powered rotating cleaning. O. A. Pope. 1,817,644; Aug. 4.
Brushes, Apparatus for making rotary. L. H. Nielsen. 1,818,087; Aug. 11.
Brushes, Making coil-cleaning. J. I. Anderson. 1,793,768; Feb. 24.
Brushes, Manufacture of. R. M. Withycombe. 1,806,436; May 19.
Brushes, Method and apparatus for making collector. H. D. Munday. 1,836,385; Dec. 15.
Brushes, Molding commutator. D. C. Shearer. 1,831,144; Nov. 10.
Brushholder. H. F. Hartman. 1,820,699; Aug. 25.
Brushing machine. A. Rosenfeld. 1,788,172; Jan. 6.
Bubble tower cap. H. E. Widdell. 1,808,276; June 2.
Buck and wood jamb, Metal. I. A. Baum. 1,805,030; May 12.
Buck, Chair. G. L. Dahms. 1,833,355; Nov. 24.
Buck, Garment steaming and drying. F. N. Beede. 1,797,714; Mar. 24.
Buck, Glass. J. P. Crowley. 1,836,362; Dec. 15.
Buck and trim, Metal. I. A. Baum. 1,838,129; Dec. 29.
Bucket and attaching link, One-piece. I. Warner. 1,795,982; Mar. 10.
Bucket and bucket elevator dredge. F. H. Cothay. 1,797,330; Mar. 24.
Bucket and hopper construction for material-elevating towers. A. T. Scannell. 1,798,501; Mar. 31.
Bucket attachment for excavating machines. G. L. Martin. 1,816,291; July 28.
Bucket, Bait. J. T. Smith. 1,801,117; Apr. 14.
Bucket, Centrifugal. O. W. Greene. 1,827,648; Oct. 13.
Bucket, Clam shell. C. A. Carney. 1,833,389; Nov. 24.
Bucket, Clamshell. G. F. Thompson. 1,794,257; Feb. 24.
Bucket, Clam shell. G. F. Thompson. 1,805,532; May 19.
Bucket construction. W. M. Venable. 1,808,800; June 9.
Bucket construction for excavators, Digging. A. C. Clark and A. L. Graves. 1,838,362; Dec. 29.
Bucket, Conveyer. W. H. Bosworth. 1,802,106; Apr. 21.
Bucket, Conveyer. H. F. Maurel. 1,824,611; Sept. 22.
Bucket, Dipper. E. H. Fundom. 1,816,522; July 28.
Bucket, Drag-line. A. R. Sittig. 1,795,803; Mar. 10.
Bucket, Drag line. G. F. Thompson. 1,820,714; Aug. 25.
Bucket, Dredging. E. C. Wagner. 1,822,181; Sept. 8.
Bucket, Dumping. G. M. Wakefield. 1,790,034; Jan. 27.
Bucket elevator. P. S. Erikson. 1,820,609; Aug. 25.
Bucket, Excavating. L. S. Wallace. 1,817,595; Aug. 4.
Bucket, Excavator. G. T. Ronk. 1,803,654; May 5.
Bucket, Excavator. C. F. Yocum. 1,801,033; Apr. 14.
Bucket for material-handling plants. A. C. Bennett. 1,791,882; Feb. 10.
Bucket, Grab. W. Voorwinde. 1,796,351; Mar. 17.
Bucket, Minnow. J. W. Bolte. 1,834,329; Dec. 1.
Bucket, Minnow. R. H. Foster. 1,794,842; Mar. 3.
Bucket, Minnow. G. N. Thomas. 1,788,255; Jan. 6.
Bucket, Self reversing trolley. H. E. Hallenbeck. 1,810,603; June 16.
Bucket, Spinning. P. E. Harrison. 1,831,860; Nov. 17.
Bucket tripper for steam shovels, dredges, or the like. L. V. Trimmer and F. R. Krial. 1,837,081; Dec. 15.
Buckets, Guiding means for trolley. H. E. Hallenbeck. 1,808,954; June 9.
Buckle. L. Alterson. 1,795,273; Mar. 3.
Buckle. B. Colavecchio. Des. 83,512; Mar. 3.
Buckle. J. B. Freysinger. Des. 83,431; Feb. 24.
Buckle. J. B. Freysinger. Des. 84,827; Aug. 11.
Buckle. L. J. Friedheim. 1,820,969; Sept. 1.
Buckle. J. W. Hart. 1,838,827; Dec. 29.
Buckle. M. Hawie. 1,829,278–9; Oct. 27.
Buckle. G. E. Holmes and M. Treiman. 1,807,212; May 26.
Buckle. F. C. Hood. 1,787,728; Jan. 6.
Buckle. F. C. Hood. 1,792,304; Feb. 10.
Buckle. S. S. Kestin. Des. 83,861; Apr. 7.
Buckle. M. Kiessling. 1,834,715; Dec. 1.
Buckle. C. G. King. 1,817,440; Aug. 4.
Buckle. J. Lavenson. Des. 83,867; Apr. 7.
Buckle. E. Merzinger. 1,796,336; Mar. 17.
Buckle. W. J. Morse. Des. 85,761; Dec. 15.
Buckle. W. L. Myers and G. D. Harrison. 1,805,882; May 19.
Buckle. A. W. Naus. Des. 84,297; June 2.
Buckle. A. W. Naus. 1,837,667; Dec. 22.
Buckle. R. W. O'Neil. 1,792,923; Feb. 17.
Buckle. W. S. Painter. Des. 84,845; Aug. 11.
Buckle. D. Ray. 1,832,738; Nov. 17.
Buckle. N. Rubin. 1,795,146; Mar. 3.
Buckle. E. C. Swanson. 1,814,978; July 14
Buckle. J. S. Tenney. Des. 83,291; Feb. 10.
Buckle. S. A. Tenuta. 1,822,177; Sept. 8.
Buckle. F. L. Williams. 1,826,231; Oct. 6.
Buckle and fastener for overalls, Combination. J. A. Mendosa. 1,822,357; Sept. 8.
Buckle and making the same. M. Belloch. 1,822,796; Sept. 8.
Buckle, Apparel. L. Frank. Des. 83,099; Jan. 20.
Buckle, Apparel. A. H. Kerngood. Des. 84,419; June 16.
Buckle, Apparel. A. H. Kerngood. 1,821,839; Sept. 1.
Buckle, Back band. G. C. Williams. 1,816,066; July 28.
Buckle, Bale-tie. E. A. Frantz. 1,829,644; Oct. 27.
Buckle, Belt. G. R. Blickhahn. 1,825,045; Sept. 29.
Buckle, Belt. R. Boyd. 1,812,233; June 30.
Buckle, Belt. H. Gehman. 1,837,120; Dec. 15.
Buckle, Belt. W. J. Morse. 1,836,678; Dec. 15.
Buckle, Belt. C. Spinnler. 1,821,329; Sept. 1.
Buckle, Belt. D. M. Wirth. 1,811,990; June 30.
Buckle, Belt. D. M. Wirth. 1,814,275; July 14.
Buckle, Bracelet. F. Suttin. 1,838,590; Dec. 29.
Buckle combination, Belt. B. Cooper. Des. 83,872–81; Aug. 18.
Buckle connecting means, Shoe. H. Helfant. 1,805,398; May 12.
Buckle construction. B. Cooper. 1,811,684; June 23.
Buckle for bathing belt, Case-bearer. G. Vallaguzza. Des. 85,267; Sept. 29.
Buckle for wrist watch straps. N. T. Nelson. 1,806,213; May 19.
Buckle, Garter. A. Pugniet. 1,836,770; Dec. 15.
Buckle, Loop slide. J. H. Domkee. 1,802,501; Apr. 28.
Buckle or clasp. L. Alterson. 1,830,379; Nov. 3.
Buckle or fastener, Shoe. O. I. and B. B. Hoppe. 1,834,401; Dec. 1.
Buckle or similar article. L. Alterson. Des. 85,568; Nov. 17.
Buckle, Prong. J. H. Domkee. 1,824,333; Sept. 22.
Buckle, Separable. R. Burns. 1,793,836; Feb. 24.
Buckle, Shoe. L. M. Bayan. Des. 84,506; June 30.
Buckle, Shoe. C. W. Brigham. Des. 82,971–5; Jan. 6.
Buckle, Shoe. A. E. Farmer. Des. 85,090; Sept. 15.
Buckle, Shoe. A. E. Farmer. Des. 85,172–3; Sept. 22;
Buckle, Shoe. A. E. Farmer. Des. 85,231; Sept. 29.
Buckle, Shoe A. E. Farmer. Des. 85,361; Oct. 13.
Buckle, Shoe. W. L. Gibbons. Des. 85,743; Dec. 15.
Buckle, Shoe. C. G. King. Des. 82,994–7; Jan. 6.
Buckle, Shoe. C. G. King. Des. 83,451; Feb. 24.
Buckle, Shoe. C. G. King. Des. 83,547–9; Mar. 3.
Buckle, Shoe. C. G. King. Des. 83,905–6; Apr. 14.
Buckle, Shoe. C. G. King. Des. 84,420–1; June 16.
Buckle, Shoe. C. G. King. Des. 84,523–4; June 30.
Buckle, Shoe C. G. King. Des. 84,832; Aug. 11.
Buckle, Shoe. A. R. Pascucci. Des. 83,004; Jan 6.
Buckle, Shoe. O. R. Recchia. Des. 83,277–8; Feb. 10.
Buckle, Shoe. O. R. Recchia. Des. 83,466; Feb. 24.
Buckle, Shoe. O. R. Recchia. Des. 84,257; May 26.
Buckle, Shoe. S. M. Riker. Des. 83,213–4; Feb. 3.
Buckle, Shoe. S. M. Riker. Des. 83,644–5; Mar. 10.
Buckle, Shoe. S. M. Riker. Des. 83,912–21; Apr. 14.
Buckle, Shoe. S. M. Riker. Des. 84,103; May 5.
Buckle, Shoe. S. M. Riker. Des. 85,347; Oct. 13.
Buckle, Shoe. S. M. Riker. Des. 85,597–8; Nov. 17.
Buckle, Shoe. S. M. Riker. 1,836,683; Dec. 15.
Buckle, Shoe. W. E. Smith. Des. 83,017; Jan. 6
Buckle, Shoe. W. E. Smith. Des. 83,931; Apr. 14.
Buckle, Shoe. W. E. Smith. Des. 83,938–9; Apr. 14.
Buckle, Shoe. W. E. Smith. Des. 84,115; May 5.
Buckle, Shoe. W. E. Smith. Des. 84,308; June 2.
Buckle, Shoe. W. E. Smith. Des. 84,448; June 16.
Buckle, Shoe. H. G. Whitehouse. Des. 85,271; Sept. 29.
Buckle, Shoe. E. Youngberg. Des. 85,025; Sept. 8.
Buckle, Slide. J. H. Domkee. 1,787,616; Jan. 6.
Buckle, Slide. J. H. Domkee. 1,788,664; Jan. 13.
Buckle, Slide. J. H. Domkee. 1,792,290; Feb. 10.
Buckle, Slide. J. H. Domkee. 1,810,647; June 16.
Buckle, Slide. J. H. Domkee. 1,836,959; Dec. 15.
Buckle, Slide. R. J. Hodge. 1,826,174; Oct. 6.
Buckle, Slide. R. J. Hodge. 1,836,923; Dec. 15.
Buckle, Slide. C. A. Mosgrove. 1,820,578; Aug. 25.
Buckle, Slide. J. Salisbury. 1,825,016; Sept. 29.
Buckle with loop and lock. A. H. Kerngood. 1,829,223; Oct. 27.
Buckles, Production of flap sliding. H. Hellmann. 1,795,559; Mar. 10.
Buckstay, Sectional. J. P. McLimans. 1,809,210; June 9.
Buffer. E. A. Banschbach. 1,821,284; Sept. 1.
Buffer. R. Beynon. 1,791,749; Feb. 10.
Buffer. R. Beynon. 1,808.881; June 9.
Buffer. R. K. Lee. 1,808,418; June 2.
Buffer. P. E. Shields. 1,835,973; Dec. 8.
Buffer and draw head. J. R. Hicks. 1,822,094; Sept. 8.
Buffer and retainer, Door. D. M. Winans. 1,807,113; May 26.
Buffer, Automobile side. E. A. Banschbach. 1,826,979; Oct. 13.
Buffer, Door. H. A. Myers. 1,796,388; Mar. 17.
Buffer front, Automobile rubber-cushioned. G. H. Marston. 1,795,727; Mar. 10.
Buffer, Manicurist's. N. W. Chapman. 1,812,431; June 30.
Buffer mechanism, Car. J. L. Ortner. 1,837,579; Dec. 22.
Buffer or grinder. W. A. Marschke. 1,828,540; Oct. 20.
Buffer pad. H. C. Hatfield. 1,796,787; Mar. 17.
Buffer wheel. A. Levett. 1,820,465; Aug. 25.
Buffing roll. R. E. Duplessis. 1,801,336; Apr. 21.
Building. C. E. Barnes. 1,808,829; June 9.
Building. D. C. Bowman, W. A. Rhodes, and J. H. Estes. 1,796,237; Mar. 10.

Building. H. F. Duncan and G. E. Stone. Des. 84,684; July 21.
Building. K. K. Ellis. 1,827,310; Oct. 13.
Building. R. E. Gordon. Des. 83,155; Jan. 27.
Building. S. B. Jackson. Des. 84,479; June 23.
Building. E. Johnston. Des. 83,145; May 12.
Building. R. C. Kaiser. Des. 84,085; May 5.
Building. W. V. Robinson. Des. 84,652; July 14.
Building. C. A. Sanborn. Des. 85,006; Sept. 1.
Building. D. Stromberg. Des. 83,075; Jan. 13.
Building. P. Threadgill. 1,829,841; Nov. 3.
Building. W. J. Zimmerman. 1,813,523; July 7.
Building block. D. W. Daley. 1,822,802; Sept. 2.
Building block. W. H. Duryea. 1,798,661; Mar. 31.
Building block. J. T. Sentrop. 1,816,916; Aug. 4.
Building block. L. L. Spelshouse. 1,807,138; May 26.
Building block. F. J. Straub. Re18,298; Dec. 22.
Building block. J. L. Sutton. 1,836,408; Dec. 15.
Building block and wall construction. F. T. Heath. 1,798,734–5; Mar. 31.
Building block, Child's. W. H. Colby. 1,809,508; June 9.
Building block, Hollow. V. A. Barnhart. 1,829,435; Oct. 27.
Building board, Making multiply. H. A. Cumfer. 1,802,879; Apr. 28.
Building construction. O. T. Anderberg. 1,805,538; May 19.
Building construction. S. H. Barrows. 1,820,041; Aug. 25.
Building construction. A. F. Bemis. 1,810,891; June 23.
Building construction. C. H. Brainard, R. G. Carrington, and A. F. Cooke. 1,813,909; July 14.
Building construction. R. Carvel. 1,809,504; June 9.
Building construction. D. S. Corwin. 1,810,597; June 16.
Building construction. L. Davidson. 1,795,331; Mar. 10.
Building construction. H. Fougner. 1,797,082; Mar. 17.
Building construction. E. Geiger. 1,826,767; Oct. 13.
Building construction. A. M. Hull. 1,837,267; Dec. 22.
Building construction. W. P. Kellett. 1,794,079; Feb. 24.
Building construction. L. G. Knipe. 1,795,338; Mar. 10.
Building construction. E. H. Lockwood. 1,833,875; Nov. 24.
Building construction. J. F. Loucks. 1,818,634; Aug. 11.
Building construction. J. F. Loucks. 1,828,842; Oct. 27.
Building construction. T. A. Lucy. 1,815,065; July 21.
Building construction. J. H. Maher. 1,812,055; June 30.
Building construction. S. R. McKay. 1,789,827; Jan. 20.
Building construction. C. E. Noerenberg. 1,793,188; Feb. 17.
Building construction. N. E. Peden. 1,819,970; Aug. 18.
Building construction. H. W. Reel. 1,829,156; Oct. 27.
Building construction. O. H. Roberts. 1,836,398; Dec. 15.
Building construction. R. H. Robinson. 1,796,048; Mar. 10.
Building construction. G. W. Thomas. 1,803,514; May 5.
Building construction. E. A. Tucker. 1,799,400; Apr. 7.
Building construction and unit. J. B. Paulson and E. E. L. Monteluis. 1,799,313; Apr. 7.
Building construction, Fireproof. A. M. Hull. 1,821,015; Sept. 1.
Buildings. Construction of fireproof. C. L. Slocum. 1,838,583; Dec. 29.
Building construction, Unit system. C. F. and D. E. McAvoy. 1,825,195; Sept. 29.
Building element. R. Samuel. 1,837,374; Dec. 22.
Building element, Metallic. J. A. Bohnsack. 1,797,123; Mar. 17.
Building element, Open glass box-shaped. J. W. Janzen. 1,798,088; Mar. 24.
Building form. W. E. Urschel. 1,816,921; Aug. 4.
Building front. W. R. Matthews and E. Jones. Des. 84,996; Sept. 1.
Building lighting. R. P. Hutchinson. 1,832,304; Nov. 17.
Building material. F. L. Ormesher. 1,803,557; May 5.
Building material. F. Payne. 1,808,905; June 9.
Building material. C. P. Wilhelm. 1,831,984; Nov. 17.
Building material and making same. H. E. White. 1,813,520; July 7.
Building material, Apparatus for making. T. Robinson. 1,819,200; Aug. 18.
Building-material-placement machine. C. G. Clapp. 1,788,451; Jan. 13.
Building materials, Making. T. Robinson. 1,819,199; Aug. 18.
Building materials, Manufacture of porous. E. C. Bayer. 1,794,272; Feb. 24.
Building, Multi-storied. J. Rings. 1,802,068; Apr. 21.
Building or garage for stowing motor cars and other vehicles. N. F. Johnston. 1,800,079; Apr. 7.
Building, Portable. H. G. Lange. 1,806,354; May 19.
Building product and making the same. R. E. Drake. 1,794,449; Mar. 3.
Building product, Prepared. T. Robinson. 1,820,834; Aug. 25.
Building, Restaurant. F. C. Neuhaus. 1,795,791; Mar. 10.
Building, Revolving-top. C. T. Rice and C. E. Childs. 1,798,810; Mar. 31.
Building, Storage. C. G. Mitchell. 1,806,699; May 26.
Building, Storage. C. G. Mitchell. 1,809,140; June 9.
Building strip and construction. B. H. Roberts and E. Gach. 1,826,674; Oct. 6.
Building structure. K. E. Bemis. Des. 85,317; Oct. 13.
Building structure. L. Brandt. 1,812,195; June 30.
Building structure. A. Gross. 1,789,070; Jan. 13.
Building structure. E. A. Hermsen. Des. 84,339; June 9.
Building structure. J. W. Holman. 1,814,474; July 14.
Building structure. G. Parducci. Des. 85,391; Oct. 20.
Building structure. G. F. Pawling. 1,837,630; Dec. 22.
Building structure. W. D. Rose. 1,798,853; Mar. 31.
Building structure. A. Schmid. 1,796,481; Mar. 17.
Building structure. F. M. Venzie. 1,791,108; Feb. 3.
Building structure. F. M. Venzie. 1,801,400; Apr. 21.
Building structure. F. M. Venzie. 1,803,371; May 5.
Building structure. F. M. Venzie. 1,816,449; July 28.
Building structure. F. M. Venzie. 1,838,120; Dec. 29.
Building unit. A. F. Bemis. 1,796,316; Mar. 17.
Building unit. K. W. Dunwody. 1,805,470; May 19.
Building unit. O. F. Warhus. 1,799,337; Apr. 7.
Building unit. J. W. Warren. 1,804,292; May 5.
Building unit, Structural. G. E. Berger. 1,828,309; Oct. 20.
Building unit, Structural. J. H. Magee. 1,824,091; Sept. 22.
Building units, Manufacturing. H. C. Byland and F. L. Ormesher. 1,796,559; Mar. 17.
Building wall. G. Castelyns, L. Stans and A. Vinck. 1,807,335; May 26.
Building wall. L. S. Munson. 1,822,820; Sept. 8.
Building with facilities for automobile parking and transportation. W. S. Mason. 1,830,518; Nov. 3.
Buildings, Method of and apparatus for heating multi-apartment. M. C. Honeywell. 1,832,462; Nov. 17.
Bulb assembly for temperature responsive device. L. C. Irwin. 1,815,567; July 21.
Bulb or similar article, Electric. G. Niebel. Des. 83,341; Feb. 17.
Bulb shaping device. J. F. Donovan and F. J. Malloy. 1,812,776; June 30.
Bulbs, Method and apparatus for inside coating. K. Tsuyuki. 1,817,783; Aug. 4.
Bulbs, roots, corms, tubers, and the like, Treatment of. J. J. and A. Colle. 1,789,068; Jan. 13.
Bulkhead. C. H. Roberts. 1,802,835; Apr. 28.
Bulkhead. O. K. West. 1,819,664; Aug. 18.
Bulkhead for rigid airships. K. Arnstein and P. Helma. 1,818,952; Aug. 11.
Bulkhead for steel barges. W. G. Esmond. 1,810,310; June 16.
Bullet. A. J. Hartz. 1,833,645; Nov. 24.
Bullet for practice cartridges. F. Blechta. 1,823,022; Sept. 15.
Bulletin board, Multiple. F. E. Hunt and C. L. Peters. 1,826,469; Oct. 6.
Bulletin frame. L. W. Hovey. 1,790,235; Jan. 27.
Bull wheel. W. Wright. 1,831,833; Nov. 17.
Bumper. J. E. Christen. 1,832,184; Nov. 17.
Bumper. H. H. Hicks and H. E. Figgie. 1,835,567; Dec. 8.
Bumper. J. W. Lea. 1,816,120; July 28.
Bumper. I. B. Moore. 1,833,367; Nov. 24.
Bumper. N. H. F. Olsen. 1,802,925; Apr. 28.
Bumper. P. R. Rohm. 1,799,065; Mar. 31.
Bumper. B. M. Short. 1,832,512; Nov. 17.
Bumper. F. A. Spencer. 1,823,007; Sept. 15.
Bumper. G. W. Veale. 1,802,189; Apr. 21.
Bumper. G. W. Veale. 1,831,273; Nov. 10.
Bumper and coat hanger, Combined door. F. H. Hull. 1,805,984; May 19.
Bumper and mounting therefor, Automobile. E. Deveaux. 1,839,015; Dec. 29.
Bumper and mud guard, Combined. B. Beane. 1,804,304; May 5.
Bumper and tire rack brace, Auxiliary. R. L. Williams. 1,801,761; Apr. 21.
Bumper and truck carrier, Combined. E. V. Barker. 1,812,075; June 30.
Bumper, Automobile. W. R. Atkinson. 1,817,866; Aug. 4.
Bumper, Automobile. W. A. Franke. 1,792,157; Feb. 10.
Bumper, Automobile. F. Fritsch. 1,799,894; Apr. 7.
Bumper, Automobile. G. H. Hedrick. 1,805,284; May 12.
Bumper, Automobile. N. Littell. 1,819,471; Aug. 18.
Bumper, Automobile. G. M. McMurdo. 1,836,610; Dec. 15.
Bumper, Automobile. G. P. Springfield. 1,803,078; Apr. 28.
Bumper, Automobile. A. A. Thomas. 1,807,640; June 2.
Bumper, Automobile. A. A. Thomas. 1,810,502; June 16.
Bumper, Automobile. A. A. Thomas. 1,812,417; June 30.
Bumper, Automobile. A. A. Thomas. 1,813,517; July 7.
Bumper boot. A. L. Howard. 1,804,218; May 5.
Bumper, Broom. A. D. Sund. 1,823,300; Sept. 15.
Bumper construction. R. J. Lusse. 1,823,617; Sept. 15.
Bumper construction. H. R. McMahon. 1,826,626; Oct. 6.
Bumper construction. G. W. Veale, and E. H. Lindeman. 1,822,717; Sept. 8.
Bumper cushion for motor vehicles. W. R. Gordon. 1,789,039; Jan. 13.
Bumper element for safety zones. J. De Gloria and H. C. Schroeder. 1,808,767; June 9.
Bumper end construction. H. R. McMahon. 1,793,947–9; Feb. 24.
Bumper end construction. H. R. McMahon. 1,835,663; Dec. 8.
Bumper for automobiles. M. B. Hammond. 1,801,345; Apr. 21.

Bumper for electric lamps. J. P. Eastman. 1,829,345; Oct. 27.
Bumper for motor vehicles. J. Schulman. 1,801,289; Apr. 21.
Bumper mechanism. E. F. Ohlendorf. 1,805,414; May 12.
Bumper mechanism. E. F. Ohlendorf. 1,825,086; Sept. 29.
Bumper, Mine-car. G. E. Edmunds. 1,800,932; Apr. 14.
Bumper post. S. W. Hayes. 1,827,288; Oct. 13.
Bumper system for trucks and automobiles. P. Pappas and T. Patrou. 1,807,132; May 26.
Bumper, Vehicle. A. A. Thomas. 1,811,569; June 23.
Bumper, Vehicle door. D. O. Farrington. 1,800,060–1; Apr. 7.
Bumperettes, Connecting means for. G. W. Veale. 1,814,421; July 14.
Bumpers, Impact bar for automobile. J. S. Skelly. 1,829,966; Nov. 3.
Bumping post. E. Keebler. 1,815,917. July 28.
Bunch building mechanism. A. Smith. 1,817,106; Aug. 4.
Bunching and conveyor machine, Rotary. L. D., M. D., M. F., and L. G. Spaulding. 1,797,379; Mar. 24.
Bundle shocking machine. J. G. Holifer and V. S. Landess. 1,826,249; Oct. 6.
Bundling press. W. Lindemann. 1,812,797; June 30.
Bung for containers. I. H. Rieke. 1,838,285; Dec. 29.
Bung for sealing means. I. H. Rieke. 1,808,576. June 2.
Bunk and post connecting means. U. J. Beeghly. 1,814,541; July 14.
Bunkers, Outlet apparatus for ash. R. H. Beamont. 1,809,771; June 9.
Buoy and light, Combination fish-net. F. H. Jackson. 1,796,460; Mar. 17.
Buoy, Automatically-inflatable. E. S. Magnin. 1,791,136; Feb. 3.
Buoy, Bell. G. Hoffmeier. 1,795,255; Mar. 3.
Buoy for sunken ships, Indicator. H. J. Kerwin. 1,811,014; June 23.
Buoy light. E. W. Himberger. 1,817,312; Aug. 4.
Buoy, Mooring. H. P. Elliott. 1,801,729; Apr. 21.
Buoy, Mooring. A. E. and H. O. Short. 1,828,821; Oct. 27.
Buoyant garments, Art and apparatus of. H. and E. S. Bond. 1,788,480; Jan. 13.
Bur, Seat. W. E. Harper. 1,813,741; July 7.
Bureau or the like. I. Ročič. Des. 85,622; Nov. 24.
Burglar alarm. F. D. De Munbrun. 1,824,663; Sept. 22.
Burglar alarm. J. H. Fitzpatrick. 1,838,818; Dec. 29.
Burglar alarm. L. M. Hopkins. 1,831,005; Nov. 10.
Burglar alarm. G. Jakopec, J. F. Salley, and V. Schwarz. 1,820,805; Aug. 25.
Burglar alarm. J. J. Kertz. 1,827,366; Oct. 13.
Burglar alarm. O. G. Pettyjohn. 1,830,560; Nov. 3.
Burglar alarm switch device. M. J. Cawley. 1,820,437; Sept. 1.
Burglar and fire alarm installation. A. Burli. 1,796,358; Mar. 17.
Burglar-proof arrangement for the protection of night clerks. C. B. Bormann. 1,816,823; Aug. 4.
Burglar-proof lock. H. Kells and C. F. Meilink. 1,815,314; July 21.
Burglar trap. A. J. Thibault. 1,807,944; June 2.
Burglary protection system. W. Sachs. 1,806,953; May 26.
Burkeite, Manufacture of. H. W. Morse. 1,824,360; Sept. 22.
Burn guard, Ironing-press. J. C. Ledbetter. 1,798,743; Mar. 31.
Burner. C. R. Baker. 1,815,039; July 21.
Burner; *See*—

Blast burner.	Liquid-fuel burner.
Charcoal burner.	Low-temperature burner.
Coal burner.	Non-flashing gas burner.
Coal-dust burner.	Oil and gas burner.
Fuel burner.	Oil burner.
Furnace burner.	Paint burner.
Gas and oil burner.	Ribbon burner.
Gas burner.	Safety burner.
Grass and weed burner.	Sawdust burner.
Heater burner.	Stove burner.
Hydrocarbon burner.	Sulphur burner.
Incense burner.	Wire rubbish burner.
Lantern burner.	

Burner. J. Buchel. 1,825,047; Sept. 29.
Burner. J. C. Chapple. 1,834,768; Dec. 1.
Burner. H. A. Geauque. 1,818,471; Aug. 11.
Burner. W. A. J. Kreager. 1,787,632; Jan. 6.
Burner. W. A. J. Kreager. 1,790,927; Feb. 3.
Burner. A. Lanser. 1,828,326; Oct. 20.
Burner. P. Marasco. 1,828,779; Oct. 27.
Burner. C. H. Morrow. 1,791,509; Feb. 10.
Burner. J. L. Poole and H. J. G. Rudolf. 1,818,865; Aug. 11.
Burner and atomizing liquids, Liquid fuel. C. O. Gunther. 1,826,776; Oct. 13.
Burner and method of transferring heat. M. J. Roberts. 1,808,319; June 2.
Burner and similar fuel-consuming means and system therefor, Oil. S. C. Gulick. 1,800,790; Apr. 14.
Burner and support therefor, Gas. H. Herrenbruck. 1,806,800; May 26.
Burner and support therefor, Oil. E. C. Leach. 1,832,938; Nov. 24.
Burner and the like, Gas. W. C. Epstein. 1,826,205; Oct. 6.
Burner apparatus. W. C. Elze. 1,837,030; Dec. 15.
Burner apparatus, Oxygen cutting. L. J. Hancock. 1,830,539; Nov. 3.
Burner assembly, Oven-. W. D. Antrim. 1,790,739; Feb. 3.
Burner attachment, Bunsen-. L. Tartaz. 1,791,913; Feb. 10.
Burner construction, Fluid fuel. W. W. Williams. 1,831,277; Nov. 10.
Burner control. E. W. McKinley. 1,827,993; Oct. 20.
Burner control, Fluid-fuel-. N. T. Branche and V. O. Beam. 1,810,123; June 16.
Burner control, Liquid fuel. I. E. McCabe. 1,834,287; Dec. 1.
Burner-control system, Automatic oil-. W. A. Ray. 1,793,011; Feb. 17.
Burner control system, Fuel-. P. F. Shivers. 1,800,412; Apr. 14.
Burner device for domestic furnaces. C. C. Shippee. 1,827,338; Oct. 13.
Burner equipment, Gas. G. L. Brennan. 1,837,105; Dec. 15.
Burner for blast-furnace stoves or furnaces, Gas. W. R. Paulsen. 1,791,011; Feb. 3.
Burner for exhaust gases. L. C. Hyatt. 1,834,126; Dec. 1.
Burner for furnaces. J. D. Evans, E. E. McVey and T. E. McAllister. 1,832,371; Nov. 17.
Burner for gas and pulverized fuel. A. C. Danks. 1,837,358; Dec. 22.
Burner for heater appliances, Gas. H. E. Kerr. 1,791,360; Feb. 3.
Burner for incubators, Gas. E. W. H. Behrendt. 1,837,400; Dec. 22.
Burner for press feeders, Blue flame automatic. C. L. Lance. 1,836,536; Dec. 15.
Burner for the oxidation of ammonia. C. B. Clark. 1,828,318; Oct. 20.
Burner igniting device. P. E. Cronk. 1,833,774; Nov. 24.
Burner installation, Kindling. F. A. Gercich and W. M. Berry. Re18,235; Oct. 27.
Burner installation, Kindling. F. A. Gercich and J. C. Weisman. 1,826,067; Oct. 6.
Burner or nozzle, Gas. P. J. J. Andrieux. 1,805,066; May 12.
Burner pilot, Oil. B. Valjean. 1,810,035; June 16.
Burner supporting means. S. C. Gulick. 1,808,952; June 9.
Burner system. W. A. Haven. 1,823,358; Sept. 15.
Burner system, Oil. P. C. Mulligan. 1,827,950; Oct. 20.
Burner tip for torches. P. M. Forster. 1,809,113; June 9.
Burner unit, Gas. L. V. Solon. Des. 83,357; Feb. 17.
Burners, Control for oil. H. F. Tapp. 1,803,879; May 5.
Burners, Control system for. M. H. Braden. 1,807,302; May 26.
Burners, Fuel supply control mechanism for gas. G. A. Tuck. 1,828,883; Oct. 27.
Burners, Valve mechanism for. H. K. Strickler. 1,790,683; Feb. 3.
Burnintool. E. B. T. Lawrence. 1,825,077; Sept. 29.
Burnishing. H. J. Burnish. 1,830,926; Nov. 10.
Burnishing device. J. J. Thacher. 1,790,731; Feb. 3.
Burr roller, Electromagnetic. F. L. Sessions. 1,837,494; Dec. 22.
Burring machine. C. C. Kamphausen. 1,816,225; July 28.
Bus. C. Froesch. 1,797,858; Mar. 24.
Bus. F. E. Matthews. Des. 85,191; Sept. 22.
Bus, Observation. L. Amodeo. 1,814,884; July 14.
Bus seat. F. M. Cleaveland. Des. 83,720; Mar. 24.
Bus, Track and road. W. J. Martin. 1,793,288; Feb. 17.
Bus transportation system. W. J. Hagman. 1,814,917; July 14.
Bus top. F. A. Hart. 1,831,907; Nov. 17.
Bush for reciprocating members. A. G. M. Michell. 1,828,289; Oct. 20.
Bushing. D. J. Benson. 1,788,612; Jan. 13.
Bushing. G. B. Chadwick. 1,806,891; May 26.
Bushing and electrostatic potential transformer, Insulating. G. E. Jansson. 1,788,873; Jan. 13.
Bushing and forming the same, Self lubricating fabric. N. Skillman. 1,829,574; Oct. 27.
Bushing and making the same, Rubber spring. V. Hughes. 1,827,233; Oct. 13.
Bushing and transformer, Combined insulating. W. S. Edsall. 1,827,936; Oct. 20.
Bushing, Antishort. O. A. Frederickson. 1,801,549; Apr. 21.
Bushing, Condenser. G. A. Burr. 1,802,703; Apr. 28.
Bushing, Electric conduit. W. H. Vibber. 1,790,254; Jan. 27.
Bushing for armored cable. O. A. Frederickson. 1,829,512; Oct. 27.
Bushing for armored cables, Threaded. H. Ginsburg. 1,808,542; June 2.
Bushing for broaching machines, Hydraulic pull. D. H. West. 1,837,933; Dec. 22.
Bushing for high tension electric conductors, Condenser type. G. E. Jansson. 1,834,212; Dec. 1.
Bushing for rock drills, Chuck. L. C. Bayles. 1,788,972; Jan. 13.
Bushing, Insulating. W. S. Edsall. 1,827,935; Oct. 20.

Bushing, Jig. A. B. Bolender. 1,804,381; May 5.
Bushing, Kelly. A. M. Donnelly. 1,796,984; Mar. 17.
Bushing, Oil-filled insulating. G. E. Jansson. 1,788,395; Jan. 13.
Bushing puller. W. R. Rodzikinas. 1,811,968; June 30.
Bushing, Radius-rod. W. Westling. 1,797,458; Mar. 24.
Bushing, Rotary drill stem. E. J. Zerr. 1,807,949; June 2.
Bushing, Rubber. R. C. Sanders and C. E. Summers. 1,835,575; Dec. 8.
Bushing, Steering column. F. C. Morris. 1,829,530; Oct. 27.
Bushing structure. H. Schwartz. 1,822,114; Sept. 8.
Bushing structure. A. A. Skvortzoff. 1,807,880; June 2.
Bushing structure. L. B. Wackman. 1,789,928; Jan. 20.
Bushing structure and sealing means therefor. H. Schwartz. 1,838,042; Dec. 22.
Bushing structure, Outlet. G. A. Burr and J. H. Frakes. 1,815,046; July 21.
Bushing terminal. G. A. Burr and J. H. Schramm. 1,834,379; Dec. 1.
Bushing, Variable diameter steering shaft. H. D. Geyer. 1,839,094; Dec. 29.
Bushings, Apparatus for sizing. A. H. Valentine. 1,792,051; Feb. 10.
Bushings, Briquetting. C. R. Short. 1,839,056; Dec. 29.
Bust-developing device. P. Brown. 1,795,073; Mar. 3.
Butanol and acetone by fermentation, Producing. S. Bakonyi. 1,818,782; Aug. 11.
Butcher's gambrel. J. O. Benton. 1,817,869; Aug. 4.
Butter cutter. C. W. Kubon. 1,807,849; June 2.
Butter cutter. E. F. Underhill and L. R. Vidler. 1,821,042; Sept. 1.
Butter cutting machine. R. F. Stewart. 1,821,363; Sept. 1.
Butter cutting machine, Individual. S. D. Lowry. 1,826,519; Oct. 6.
Butter, Device for spreading. M. Joachimson. 1,816,535; July 28.
Butter dispensing machine. A. N. Manteris. 1,819,960; Aug. 18.
Butter handling device. R. Heimroth. 1,816,904; Aug. 4.
Butter handling device. W. E. V. Shaw and D. B. and R. H. Benham. 1,810,226; June 16.
Butter, Manufacture of. E. Perks. 1,791,000; Feb. 3.
Butter, Manufacturing aromatic and durable. C. B. Van Niel. 1,816,800; July 28.
Butter, Producing. H. D. Wendt. 1,791,069; Feb. 3.
Butter-working machine, Continuous. C. Doering and H. H. Doering. 1,799,504; Apr. 7.
Button. G. A. Bering. 1,820,771; Aug. 25.
Button. L. R. Carley. Des. 85,158–9; Sept. 22.
Button. J. M. Clark. 1,813,115; July 7.
Button. J. M. Clark. 1,813,339; July 7.
Button. E. Morehouse. 1,793,712; Feb. 24.
Button. F. G. Purinton. Des. 83,351; Feb. 17.
Button. F. G. Purinton. Des. 83,832; Mar. 31.
Button. R. J. Thiesen. 1,794,330; Feb. 24.
Button. F. Trub. 1,825,029; Sept. 29.
Button. F. E. Warner and P. E. Fenton. 1,798,237; Mar. 31.
Button. F. R. White. 1,800,765; Apr. 14.
Button. F. R. White. 1,824,939–40; Sept. 29.
Button and making the same, Fanciful. L. Carley and W. T. Abel. 1,821,615; Sept. 1.
Button attaching device for suspender ends. E. S. Mix. 1,832,406; Nov. 17.
Button-attaching machine. J. M. Clark. 1,798,969; Mar. 31.
Button attaching tip for suspenders or braces. E. S. Mix. 1,832,407; Nov. 17.
Button blanks, Method and apparatus for making. M. Platt. 1,790,946; Feb. 3.
Button breaker roller. J. E. Peterson. 1,823,627; Sept. 15.
Button, Collapsible traffic. W. F. Cornelius. 1,802,940; Apr. 28.
Button, Collar. F. P. Daughaday. 1,806,894; May 26.
Button, Collar. W. F. Watson. 1,814,651; July 14.
Button, Cuff. F. Guidetti. 1,819,163; Aug. 18.
Button, Cuff. E. Merz. 1,804,944; May 12.
Button edging machine. F. I. Walker. 1,819,308; Aug. 18.
Button, Flexible. F. R. White and J. J. Wooster. 1,800,766–7; Apr. 14.
Button, Flexible type. L. R. Carley and F. R. White. 1,821,614; Sept. 1.
Button, Flexible type. L. R. Carley and F. R. White. 1,821,616; Sept. 1.
Button for automobile horns, Contact. O. H. Ridgeway. 1,828,785; Oct. 27.
Button, Fraternal lapel. J. J. Murphy. Des. 84,158; May 12.
Buttonhole machine. H. C. Miller. 1,807,699; June 2.
Buttonhole making machine. F. T. Wentworth.
Button loop. J. H. Domkee. 1,792,289; Feb. 10.
Button loop. J. H. Domkee. 1,798,146; Mar. 31.
Button loop. J. H. Domkee. 1,831,804; Nov. 17.
Button loop. J. H. Domkee. 1,832,191; Nov. 17.
Button loop. J. H. Domkee. 1,836,454; Dec. 15.
Button loop. G. B. Heather. 1,811,197–8; June 23.
Button loop. G. B. Heather. 1,820,068; Aug. 25.
Button loop. R. J. Hodge. 1,824,547; Sept. 22.
Button loop. J. Salisbury. 1,806,824–6; May 26.
Button loop. J. Salisbury. 1,820,290; Aug. 25.
Button loop. J. Salisbury. 1,826,223; Oct. 6.
Button loop, Resilient. P. E. Fenton. 1,820,450; Aug. 25.
Button making machine. E. Clemens. 1,819,811; Aug. 18.
Button making machines, Attachment for. E. Clemens. 1,828,174; Oct. 20.
Button, Ornamental. F. G. Purinton. 1,797,619; Mar. 24.
Button, Pronged tufting. R. D. Lane. 1,829,361; Oct. 27.
Button, Safety. A. R. Eguren. 1,802,885; Apr. 28.
Button, Separable. N. S. Dwyer. 1,833,018; Nov. 24.
Button, Tack. F. R. White. 1,800,768; Apr. 14.
Button, Tack fastened. G. A. King. 1,826,665; Oct. 6.
Button, Traffic. L. H. Coppel. Des. 84,027; Apr. 28.
Button, Traffic. P. C. Finley. 1,797,498; Mar. 24.
Butyl-acetonic fermentation. D. A. Legg. Re17,930; Jan. 13.
Butyl xanthate flotation. L. J. Christmann. 1,837,852; Dec. 22.
Butyl xanthates, Secondary. L. J. Christmann and D. W. Jayne, jr. 1,810,552; June 16.
Buzzer, Pneumatic. A. R. Leukhardt. 1,837,453; Dec. 22.
1,828,915; Oct. 27.
C-alkylated phenols, Production of. W. Schoeller, H. Jordan and R. Clerc. 1,788,847; Jan. 13.
Cab gate, Collapsible elevator-. G. C. Murphy. 1,789,635; Jan. 20.
Cab, Inclosed automobile. A. F. Masury. Des. 85,294; Oct. 6.
Cab seat, Folding adjustable locomotive. H. E. Anderson. 1,826,643; Oct. 6.
Cab, Trailer. E. J. Shaffrank. Des. 85,349; Oct. 13.
Cab, Truck. P. Carlson. Des. 85,811; Dec. 22.
Cab underframe. W. M. Sheehan. 1,835,673; Dec. 8.
Cabin for air and water craft. S. E. Hitt. 1,815,103; July 21.
Cabin ventilator. F. R. Canney. 1,816,314; July 28.
Cabinet. J. Brogden. Re18,293; Dec. 22.
Cabinet. N. T. Corcoran. 1,802,552; Apr. 28.
Cabinet. C. A. Dawson. 1,799,547; Apr. 7.
Cabinet. H. Derman. 1,831,847; Nov. 17.
Cabinet. N. B. French. 1,810,599; June 16.
Cabinet. A. P. Geimer. 1,798,875–6; Mar. 31.
Cabinet. L. L. Ginsberg. Des. 85,282; Oct. 6.
Cabinet. S. Hammer. 1,812,404; June 30.
Cabinet. E. G. Johansson. 1,796,932; Mar. 17.
Cabinet. J. L. McCosh. 1,791,736; Feb. 10.
Cabinet. L. H. Morin. 1,820,476; Aug. 25.
Cabinet. A. Pfeifer. 1,811,732; June 23.
Cabinet. E. F. Reed. Des. 85,446; Oct. 27.
Cabinet. R. E. Sandberg. 1,819,524; Aug. 18.
Cabinet. K. Stern. Des. 85,211; Sept. 22.
Cabinet. W. D. Tucker. Des. 83,653; Mar. 10.
Cabinet and base for radio receiving set, Combination. H. Cohen. Des. 82,977; Jan. 6.
Cabinet and filter, Color fading. L. J. Buttolph. 1,818,687; Aug. 11.
Cabinet and horn, Phonograph. O. C. Schroeder. 1,799,069; Mar. 31.
Cabinet and lamp, Combined. J. Warren, sr. Des. 85,356; Oct. 13.
Cabinet and retainer, Key. A. C. Davenport. 1,813,030; July 7.
Cabinet and shipping case, File. T. H. Seay. 1,803,919; May 5.
Cabinet and table lamp, Telephone. G. K. Thompson. 1,790,776; Feb. 3.
Cabinet and work bench, Combined tool. A. E. McWhorter. 1,812,890; July 7.
Cabinet, Amusement machine. J. F. Meyer. Des. 84,840; Aug. 11.
Cabinet, Bath. H. W. Bender and E. V. Myers. 1,790,364; Jan. 27.
Cabinet, Bath. R. J. Kideney. 1,817,381; Aug. 4.
Cabinet, Bath. J. F. Kruse. 1,797,916; Mar. 24.
Cabinet, Bathroom. H. MacKnight. 1,798,800; Mar. 31.
Cabinet, Card index file. J. W. Donaldson and B. L. Polkosnik. 1,804,597; May 12.
Cabinet, Cartage or display. E. A. Towne. 1,826,102; Oct. 6.
Cabinet, Cigarette. F. J. Vierling. 1,800,035; Apr. 7.
Cabinet clamp, Panel board. C. E. Hanny. 1,807,527; May 26.
Cabinet, Coin-controlled towel. W. W. Trinks. 1,790,182; Jan. 27.
Cabinet, Coin drug dispenser. H. Drachenberg. Des. 85,575; Nov. 17.
Cabinet, Combination radio and clock. J. J. Strang. Des. 83,020; Jan. 6.
Cabinet, Combined switch and fuse. B. D. Horton. 1,788,719; Jan. 13.
Cabinet construction. P. Farmer. 1,809,929; June 16.
Cabinet construction. S. Madsen. 1,788,883; Jan. 13.
Cabinet, Cooler. J. H. Pratt and F. B. Hunt. 1,811,863; June 30.
Cabinet, Dental. C. A. Lawson, sr., and C. A. Lawson, jr. 1,810,140; June 16.
Cabinet, Dental. C. A. Lawson, sr., and C. A. Lawson, jr. 1,838,687; Dec. 29.
Cabinet, Dispensing. J. A. Frost. 1,794,890; Mar. 3.
Cabinet, Dispensing. P. D. Parsons. 1,827,904; Oct. 20.
Cabinet, Dispensing. T. B. Schmidt. Des. 83,470; Feb. 24.
Cabinet, Dispensing. T. B. Schmidt. 1,803,774; May 5.
Cabinet, Dispensing and advertising. W. A. Uttz. 1,829,914; Nov. 3.

Cabinet, Display. H. F. Beers. 1,818,784; Aug. 11.
Cabinet, Display. R. T. Burrows. Des. 84,325; June 9.
Cabinet, Display. E. P. Byrnes. 1,788,082; Jan. 6.
Cabinet, Display. J. Frier. 1,794,371; Mar. 3.
Cabinet, Display. C. A. Grainger. Des. 84,140; May 12.
Cabinet, Display. A. L. Soffel. 1,835,350; Dec. 8.
Cabinet, Display. L. E. White. Des. 83,884; Apr. 7.
Cabinet, Display and vending. E. T. Ferngren and G. L. Mestler. 1,796,014; Mar. 10.
Cabinet, Electric meter protecting. J. Sachs. 1,805,723–4; May 19.
Cabinet, File. C. E. Attwood. 1,833,882; Nov. 24.
Cabinet, Filing. J. S. Rice. 1,787,552; Jan. 6.
Cabinet, Fireplace. R. J. Nachtigall. Des. 84,359–61; June 9.
Cabinet, Food-preserving. J. H. Johnson. 1,789,336; Jan. 20.
Cabinet for acoustic devices. M. Nystrom. 1,794,091; Feb. 24.
Cabinet for arc lamps. J. H. Wagenhorst. 1,798,567; Mar. 31.
Cabinet for electrical connections, Panel. J. W. Hooley. 1,796,521; Mar. 17.
Cabinet for electrical connections, Sectional. J. W. Hooley. 1,838,515–16; Dec. 29.
Cabinet for holding small articles. R. T. Case. 1,833,205; Nov. 24.
Cabinet for hotel counters. J. P. Ryan. Des. 83,997; Apr. 21.
Cabinet for light ray treatment, Medical. J. A. Donohue. 1,806,674; May 26.
Cabinet for milk bottles and the like. T. R. Brown. 1,791,709; Feb. 10.
Cabinet for pop corn machines. J. I. Holcomb. Des. 85,043; Sept. 8.
Cabinet for portable testing apparatus. H. N. Bowman 1,823,678; Sept. 15.
Cabinet for radioreceivers. J. Geloso. Des. 83,436; Feb. 24.
Cabinet for radio receivers. J. Geloso. Des. 83,855; Apr. 7.
Cabinet for radio receiving apparatus. C. S. Bradley. Des. 84,316; June 9.
Cabinet for radio receiving apparatus. C. S. Bradley. Des. 85 808; Dec. 22.
Cabinet for radio receiving apparatus. C. A. Clarke. 1,807,386; May 26.
Cabinet for radio receiving apparatus. A. A. Kent. Des. 83,682; Mar. 17.
Cabinet for radio receiving apparatus. A. T. Kent. Des. 85,244; Sept. 29.
Cabinet for storing and preserving fruits and vegetables. H. C. Brooks. 1,805,565; May 19.
Cabinet, Fumeproof spray. A. C. Goethel. 1,794,764; Mar. 3.
Cabinet, Hair-waving-machine. W. G. Shelton. Des. 83,472; Feb. 24.
Cabinet, Humidifier. W. A. French. 84,470–1; June 23.
Cabinet, Ice. P. H. Christopher. 1,828,996; Oct. 27.
Cabinet, Ice-cream. L. G. Copeman. 1,789,578; Jan. 20.
Cabinet, Ice cream. J. M. Laird. 1,814,167; July 14.
Cabinet, Jewelry. L. Weidlich and A. J. Flauder. 1,831,401; Nov. 10.
Cabinet, Kitchen. G. A. Simmons and G. Freeberg. Des. 83,703; Mar. 17.
Cabinet, Leather mellowing. I. H. Ellsworth. 1,821,210; Sept. 1.
Cabinet, Loud speaker. O. P. Liebreich. 1,810,568; June 16.
Cabinet, Merchandising. C. C. McGaugh. Des. 83,463; Feb. 24.
Cabinet, Metal. S. Smiley, jr. 1,805,019; May 12.
Cabinet, Mop-cleaning. F. B. Truax. 1,796,172; Mar. 10.
Cabinet, Motion picture projector. A. Stuber. 1,826,680; Oct. 6.
Cabinet, Moving picture. A. G. Merriman. 1,827,598; Oct. 13.
Cabinet or similar article, Operating room. E. Wachtel. Des. 84,556; June 30.
Cabinet or similar article, Radio receiving set. E. F. Andrews. Des. 83,659; Mar. 17.
Cabinet, Picture projecting machine. R. W. Kittredge. 1,829,359; Oct. 27.
Cabinet, Portable sterilizing. P. Berman. 1,801,481; Apr. 21.
Cabinet, Poultry dressing. F. A. Kadane. 1,821,972; Sept. 8.
Cabinet, Radiator. F. N. Woodman. Des. 85,608; Nov. 17.
Cabinet, Radio and television. W. J. McGill and E. L. Stalnecker. 1,831,817; Nov. 17.
Cabinet, Radio receiving apparatus. E. C. Ritter. Des. 83,126; Jan. 20.
Cabinet, Refrigerated. J. R. Repogle. 1,816,698; July 28.
Cabinet, Refrigerated food. J. R. Replogle. 1,805,785; May 19.
Cabinet, Refrigerating. J. E. Gloekler. 1,823,444; Sept. 15.
Cabinet, Refrigerating. W. F. Grupe. 1,818,129; Aug. 11.
Cabinet, Refrigerator. F. C. Burton. Des. 83,145; Jan. 27.
Cabinet, Refrigerator. F. C. Burton. Des. 84,025; Apr. 28.
Cabinet, Refrigerator. W. D. Collins. Des. 83,389; Feb. 17.
Cabinet, Refrigerator. J. L. Knight. 1,810,615; June 16.
Cabinet, Refrigerator. A. H. Morrell. 1,789,532; Jan. 20.
Cabinet, Refrigerator. G. Muffly. 1,801,564; Apr. 21.
Cabinet, Refrigerator. J. G. Peck and H. E. Blood. 1,833,300; Nov. 24.
Cabinet, Sectional display. A. Schiff. 1,800,963; Apr. 14.
Cabinet, Shoe. C. L. Brush. 1,826,700; Oct. 6.
Cabinet, Shoe-shine. L. A. Noble. Des. 83,828; Mar. 31.
Cabinet, Shoe shine. L. A. Noble. 1,832,785; Nov. 17.
Cabinet, Shower-bath. J. O. Barce. 1,794,941; Mar. 3.
Cabinet, Shower bath. W. Bulthuis. 1,806,668; May 26.
Cabinet, Soda fountain. A. W. Puffer. 1,824,232; Sept. 22.
Cabinet, Stationery. F. W. Neely. 1,802,060; Apr. 21.
Cabinet structure, Metallic. J. R. Caldwell, F. E. Dalberg, and J. A. Fitch. 1,836,901; Dec. 15.
Cabinet, Sun bath. G. D. Uhl. 1,813,647; July 7.
Cabinet, Telephone. C. A. Reetz. 1,805,847; May 19.
Cabinet, Top-opening filing. F. L. G. Straubel. 1,788,036; Jan. 6.
Cabinet, Tourist's. J. J. Yazum. 1,793,832; Feb. 24.
Cabinet, Towel. J. H. Addler. 1,794,819; Mar. 3.
Cabinet, Towel. J. H. Addler. 1,817,471; Aug. 4.
Cabinet, Towel H. W. Crowson. 1,817,479; Aug. 4.
Cabinet, Towel. A. C. Grunwald. 1,788,949; Jan. 13.
Cabinet, Towel. F. M. Steiner. 1,788,962; Jan. 13.
Cabinet, Towel. G. A. Steiner, G. Wasileski, and W. Murdo. 1,809,873; June 16.
Cabinet, Utility. M. F. Wood. 1,831,727; Nov. 10.
Cabinet, Vapor-bath. M. Nogradi. 1,797,153; Mar. 17.
Cabinet, Vending and displaying. O. C. Rogers. 1,801,692; Apr. 21.
Cabinet, Vending machine. R. B. Keehnel. Des. 85,877; Dec. 29.
Cabinet, Vending-machine. G. W. Reasor. Des. 83,212; Feb. 3.
Cabinet, Wall. M. Lumley. 1,810,362; June 16.
Cabinets and attachments therefor, Monolithic filing. C. F. Wolters. 1,807,948; June 2.
Cabinets, Stop mechanism for towel. F. M. Steiner. 1,803,363; May 5.
Cable. P. H. Chase. 1,803,279; Apr. 28.
Cable and manufacture thereof, Electrical. W. E. Boyle. 1,836,570; Dec. 15.
Cable and strand clamp. I. J. Morse. 1,834,495; Dec. 1.
Cable, Armored electric. O. A. Frederickson. 1,788,483; Jan. 13.
Cable armoring. J. J. Gilbert. 1,812,630; June 30.
Cable circuit, Transatlantic. H. W. Dudley. 1,830,226; Nov. 3.
Cable clamp. F. M. Finlayson. 1,828,801; Oct. 27.
Cable clamp. J. R. Hite. 1,793,932; Feb. 24.
Cable clamp. C. E. Jensen. 1,803,619; May 5.
Cable clamp. C. W. Kemper and J. T. Kemper. 1,811,942; June 30.
Cable clamp. F. H. Knapp. 1,797,194; Mar. 17.
Cable clamp. R. E. Schuler. 1,796,409; Mar. 17.
Cable clamp. A. G. Steinmayer. 1,793,140; Feb. 17.
Cable clamp. J. S. Taylor. 1,804,288; May 5.
Cable, Composite wire. F. F. Fowle. 1,821,908; Sept. 1.
Cable connecter. L. H. Church. 1,793,884; Feb. 24.
Cable connecter. L. H. Church. 1,799,783; Apr. 7.
Cable connecter. L. H. Church. 1,816,667–9; July 28.
Cable connecter. L. H. Church. 1,833,988; Dec. 1.
Cable connecter. W. G. and O. R. Humphreys. 1,807,314; May 26.
Cable connecter. G. C. Thomas. 1,789,915; Jan. 20.
Cable connecter. G. C. Thomas, jr. 1,793,879–81; Feb. 24.
Cable connecter. G. C. Thomas, jr. 1,816,664–6; July 28.
Cable connecter. G. C. Thomas, jr. 1,833 956; Dec. 1.
Cable connecter. W. R. Ward. 1,824,850; Sept. 29.
Cable connecter. B. J. Yanchenko. 1,793,882; Feb. 24.
Cable connecter and applying the same. C. E. Wilson. 1,819,938; Aug. 18.
Cable-connecter coupler. L. H. Church. 1,793,883; Feb. 24.
Cable connecter fitting, Armored. J. M. G. Fullman. 1,810,958; June 23.
Cable connecter, Stage. T. J. Ayres. 1,835,109; Dec. 8.
Cable coupling, Armored. W. J. Kiefer. 1,834,062; Dec. 1.
Cable cutter. W. Grote. 1,793,085; Feb. 17.
Cable device. G. G. Allenbaugh. 1,797,599; Mar. 24.
Cable drum, Self aligning. B. S. Ferguson. 1,811,623; June 23.
Cable, Electric. G. J. Crowdes. 1,791,402; Feb. 3.
Cable, Electric. J. Delon. 1,837,952; Dec. 22.
Cable, Electric. H. Sonnenfeld. 1,838,332; Dec. 29.
Cable, Electric. J. E. Woodruff. 1,798,859–60; Mar. 31.
Cable equalizer. J. Dunlop. 1,802,759; Apr. 28.
Cable forming apparatus. L. O. Reichelt. 1,813,197; July 7.
Cable grip. P. J. Martin. 1,798,693; Mar. 31.
Cable grip. P. J. Martin. 1,807,993; June 2.
Cable grip. P. J. Martin and A. T. Coley. 1,819,430; Aug. 18.
Cable guard. H. W. Baum. 1,826,978; Oct. 13.
Cable guide. R. J. Kent. 1,812,961; July 7.
Cable guide. C. W. Richardson. 1,820,495; Aug. 25.
Cable hanger. J. Blackburn. 1,789,997; Jan. 27.
Cable joint, Insulated. E. D. Eby. 1,819,882; Aug. 18.
Cable layer. C. A. Yares. 1,817,792; Aug. 4.
Cable laying. F. Wilkens. 1,808,974; June 9.
Cable laying machine and laying cable. H. Sölter and H. Cornelius. 1,829,162; Oct. 27.

Cable, Lead-covered power-current. F. Schrottke. 1,791,043; Feb. 3.
Cable, Lead covered submarine. F. Hanff. 1,814,384; July 14.
Cable monkey. R. T. Bailey. 1,830,184; Nov. 3.
Cable, Oil-filled lead covered electric. G. B. Shanklin. 1,833,798; Nov. 24.
Cable, Polyphase intersheath. V. Karapetoff. 1,822,737–8; Sept. 8.
Cable reel. E. N. Hescock. 1,807,786; June 2.
Cable reel for mining machines. H. Boggs. 1,827,380; Oct. 13.
Cable reel stand. C. F. Van Hook. 1,825,218; Sept. 29.
Cable repeating system, Submarine. A. A. Clokey and E. T. Burton. 1,823,088; Sept. 15.
Cable shield. G. A. Johnson. 1,793,697; Feb. 24.
Cable, Signaling. O. Haugwitz. 1,795,209; Mar. 3.
Cable splicing and clamping device. F. H. Knapp. 1,825,074; Sept. 29.
Cable splicing machine. J. W. Channell. 1,813,562; July 7.
Cable, Submarine. E. Fischer. 1,834,124; Dec. 1.
Cable, Submarine signaling. J. J. Gilbert. 1,835,771; Dec. 8.
Cable support. M. J. Cafiero. 1,834,142; Dec. 1.
Cable supporting bracket. E. W. Brady. 1,802,964; Apr. 28.
Cable terminal. G. R. Folds. 1,816,008; July 28.
Cable terminal. S. B. Kraut. 1,811,470; June 23.
Cable terminal for spark plugs. H. Razezzana. 1,792,866; Feb. 17.
Cable testing system. R. G. McCurdy. 1,824,829; Sept. 29.
Cable trunking. T. H. M. Crampton. 1,823,819; Sept. 15.
Cableway. L. S. Thorness. 1,807,229; May 26.
Cable-winding device. H. S. Peters. 1,799,022; Mar. 31.
Cable, Wire. F. F. Fowle. 1,821,887; Sept. 1.
Cabling clip. S. P. Hull and F. C. Lavarack. 1,804,775; May 12.
Cables and an improved junction box therefor, Joining the ends of high-tension electric. C. F. Proos. 1,827,609; Oct. 13.
Cables and apparatus therefor, Laying of electric. L. G. Brazier. 1,801,900; Apr. 21.
Cables and applying same, Fitting for composite. T. Varney and J. P. King. 1,793,293; Feb. 17.
Cables and conduits, Sleeve attachment for electric. K. R. Shaw and P. A. Salmon. 1,803,872; May 5.
Cables and the like, Method of and apparatus for taping. E. G. Loomis. 1,830,668; Nov. 3.
Cables, Apparatus for making electric. G. A. Johnson. 1,793,487; Feb. 24.
Cables, Bootleg for parkway. E. K. Post. 1,798,494; Mar. 31.
Cables, Holdfast for. F. Maraguglio. 1,833,786; Nov. 24.
Cables, Impregnating. W. A. Del Mar. 1,815,706; July 21.
Cables in hanger seats, Device for preventing the rotation of. J. Blackburn. 1,809,543; June 9.
Cables, Isolating plugging-in box for electric-power. L. B. Woodworth. 1,798,244; Mar. 31.
Cables, Manufacture of electric. F. Hanff. 1,800,347; Apr. 14.
Cables, Manufacture of metal-sheathed. G. A. Johnson. 1,794,902; Mar. 3.
Cables, Manufacture of wire. G. Zapf. 1,808,444; June 2.
Cables, Method and machine for insulating. A. R. Kemp. 1,802,605; Apr. 28.
Cables, Method of and apparatus for forming. E. M. Rundquist and T. M. Yancey. 1,811,897; June 30.
Cables, Method of and apparatus for manufacturing insulated electric. J. E. Allan and S. B. Freeman. 1,825,570; Sept. 29.
Cables, Preparation of flexible. H. W. Webb. 1,808,193–4; June 2.
Cables, Shielding means for high tension. E. L. Crandall. 1,805,513; May 19.
Cables, Splicing and terminal device for fire detecting. W. D. Lindsey. 1,806,207; May 19.
Cables, System for building out loading sections of signaling. R. A. Haislip. 1,832,981; Nov. 24.
Cables through the roofs of buildings, Device for passing. W. Peter. 1,795,232; Mar. 3.
Cacao bean or product thereof, Extracting fat from. I. S. Hocker. 1,803,615; May 5.
Caddy. A. S. Ethridge. 1,808,772; June 9.
Caddy, Fiber cracker. D. G. Magill. 1,823,055; Sept. 15.
Cadmium from compounds of cadmium and oxygen by distillation, Recovery of. C. Baron von Girsewald and H. Neumark. 1,814,023; July 14.
Cadmium plated goods, Finishing. C. A. Ganser. 1,816,837; Aug. 4.
Cadmium plating bath. C. Humphries. 1,833,422; Nov. 24.
Cadmium plating bath. A. W. Young and G. H. Stinson. 1,833,450; Nov. 24.
Cafe or cafeteria, Self serving. B. L. Harkey. 1,822,288; Sept. 8.
Cage, Bird. L. J. Leon. Re17,926; Jan. 13.
Cage construction. E. W. Little. 1,835,657; Dec. 8.
Cage for ball bearings. R. F. Runge. 1,825,365; Sept. 29.
Cage for banks, Safety. M. H. Anderson. 1,823,580; Sept. 15.
Cage glass connecter. G. Ernst. 1,832,106; Nov. 17.
Cage or coop. L. W. Macomber. 1,812,598; June 30.
Cage or crate for transporting livestock. C. A. Fell. 1,822,772; Sept. 8.
Cage stand, Bird-. F. E. Greene. Des. 83,325; Feb. 17.
Cage stand, Bird-. F. E. Greene. Des. 83,395; Feb. 17.
Cage, Steel guard. J. C. Briles. 1,817,874; Aug. 4.
Cage, Suet. E. Townley. Des. 85,404; Oct. 20.
Cage windings, Manufacturing squirrel-. B. McCormick. 1,800,869; Apr. 14.
Caissons, Method and apparatus for forming. M. M. Upson. 1,834,751; Dec. 1.
Cake and the like, Method and apparatus for making sponge. C. E. Taroni. 1,795,688; Mar. 10.
Cake box. W. B. Flanagan. Des. 83,962; Apr. 21.
Cake box. J. Reeder. Des. 83,279; Feb. 10.
Cake frosting, Manufacture of. H. F. Olschewsky. 1,788,493; Jan. 13.
Cake icing machine. J. R. Litty and T. B. Lundin. 1,818,412; Aug. 11.
Cake turner, Griddle. J. H. Klipstein. 1,815,850; July 21.
Calcareous and like materials, Apparatus for heat treatment of. E. P. C. Girouard. 1,791,165; Feb. 3.
Calcine-dust seal. B. G. Call. 1,793,274; Feb. 17.
Calcium-carbohydrate compound, Preparing. E. Stern. 1,807,608; June 2.
Calcium carbonate for the manufacture of carbides, Reduction of. G. Patart and H. Nielsen. 1,811,021; June 23.
Calcium compounds, Conversion of. O. Balz and W. Wagner. 1,790,220; Jan. 27.
Calcium formaldehyde sulphoxylates, Production of. M. Bazlen and E. Rieger. 1,793,152; Feb. 17.
Calcium formate, Manufacture of. E. Lüscher. 1,833,865; Nov. 24.
Calcium magnesium chloride and making same. W. R. Collings and J. J. Shafer. 1,796,885–6; Mar. 17.
Calcium phosphate and improved method of making same, Organic. T. B. Wagner. 1,833,506; Nov. 24.
Calcium, Purification of. H. E. Bakken. 1,814,073; July 14.
Calculating device C. A. Glass. 1,808,981; June 9.
Calculating device. M. P. Hendricks. 1,803,185; Apr. 28.
Calculating machine. W. Ball. 1,838,209; Dec. 29.
Calculating machine. E. F. Britten, jr. 1,793,155; Feb. 17.
Calculating machine. E. F. Britten, jr. 1,801,902; Apr. 21.
Calculating machine. E. F. Britten, jr. 1,811,607; June 23.
Calculating machine. G. C. Chase. 1,818,790; Aug. 11.
Calculating machine. G. C. Chase. 1,827,837; Oct. 20.
Calculating machine. G. C. Chase and L. R. Brown. 1,834,121; Dec. 1.
Calculating machine. Carl M. F. Friden. 1,811,353; June 23.
Calculating machine. C. F. Friden. 1,818,548; Aug. 11.
Calculating machine. C. M. F. Friden. 1,830,161; Nov. 3.
Calculating machine. C. Gardner. 1,828,180; Oct. 20.
Calculating machine. C. W. Gooch and E. Racz. 1,802,974; Apr. 28.
Calculating machine. W. S. Gubelmann. 1,817,451; Aug. 4.
Calculating machine. H. Hoffmeister. 1,822,031; Sept. 8.
Calculating machine. A. A. Horton. 1,827,890; Oct. 20.
Calculating machine. F. A. Hosack. 1,823,859; Sept. 15.
Calculating machine. O. D. Johantgen. 1,810,213; June 16.
Calculating machine. O. D. Johantgen. 1,816,014; July 28.
Calculating machine. H. Knoll. 1,804,103; May 5.
Calculating machine. E. Kuhrt. 1,792,644; Feb. 17.
Calculating machine. C. Luttropp. 1,806,070; May 19.
Calculating machine. C. Luttropp. 1,823,552; Sept. 15.
Calculating machine. H. P. Mixer. 1,833,467; Nov. 24.
Calculating machine. G. H. Morse. 1,802,440; Apr. 28.
Calculating machine. L. M. Nielsen. 1,797,995; Mar. 24.
Calculating machine. F. A. Niemann. 1,818,425; Aug. 11.
Calculating machine. W. J. Pasinski. 1,808,934; June 9.
Calculating machine. W. J. Pasinski and J. Magnus. 1,805,225; May 12.
Calculating machine. F. C. Rinsche. 1,802,927; Apr. 28.
Calculating machine. K. V. Rudin. 1,832,791; Nov. 17.
Calculating machine. M. G. de Simone. 1,809,811; June 9.
Calculating machine. R. H. Strother. 1,826,291; Oct. 6.
Calculating machine. E. C. Walter. 1,805,060; May 12.
Calculating machine. L. A. Watters, A. Baumann, and C. P. Horlacher. 1,838,647; Dec. 29.
Calculating machine. B. P. Weiner. 1,813,830; July 7.
Calculating machine, Electrical. R. E. Boutet. 1,827,836; Oct. 20.
Calculating machine for all species. K. Eichenauer. 1,808,213; June 2.
Calculating machine, Quadruplex accumulator. E. J. Ens. 1,819,084; Aug. 18.
Calculating machine, Step-toothed drum. H. Schmidt. 1,797,699; Mar. 24.
Calculating machines, Attachment for. E. F. Britten, jr. 1,807,192; May 26.
Calculating machines, Attachment for. E. F. Britten, jr., and L. R. Brown. 1,817,916; Aug. 11.
Calculating machines, Attachment for. L. R. Brown. 1,810,638; June 16.

Calculating machines, Attachment for. A. S. Dennis. 1,803,464; May 5.
Calculating machines, Automatic accumulator selector for. E. J. Ens. 1,815,352; July 21.
Calculating machines, Back controlling means for. E. J. Ens. 1,813,037; July 7.
Calculating machines, Dashpot for. A. A. Horton. 1,791,315; Feb. 3.
Calculating machines, Feeding device for storage counting mechanisms in. H. A. Rauh. 1,836,335; Dec. 15.
Calculating machines, Overdraft and signal printing mechanism for. F. W. Bernau. 1,819,067–8; Aug. 18.
Calculating machines, Totalizer for. E. Kuhrt. 1,798,329; Mar. 31.
Calculating machines, Transfer mechanism for. A. A. Horton. 1,821,711; Sept. 1.
Calculating mechanism for adding and listing machines. G. J. Barrett. 1,812,129; June 30.
Calculator. J. Quijano. 1,800,752; Apr. 14.
Calculator. G. E. Weir. 1,838,972; Dec. 29.
Calculator, Gravity. M. S. Blackburn. 1,828,954; Oct. 27.
Calculator, Stadia. D. J. Fee. 1,802,969; Apr. 28.
Calculators, Automatic carriage shifting mechanism for. G. C. Chase. 1,829,210; Oct. 27.
Calendar. L. Aker. 1,810,153; June 16.
Calendar. G. Bevilacqua. 1,801,714; Apr. 21.
Calendar. J. E. Burgess. 1,798,586; Mar. 31.
Calendar. A. F. Gillet. Des. 85,521; Nov. 10.
Calendar. R. B. Lee. 1,792,232; Feb. 10.
Calendar. H. F. Shedd. 1,810,440; June 16.
Calendar. H. E. Shedd. 1,835,098; Dec. 8.
Calendar and memorandum, Combined. R. A. Chapman. 1,798,656; Mar. 31.
Calendar and menu card, Perpetual. L. E. Speegle. 1,793,260; Feb. 17.
Calendar and money box, savings bank or other collection box, Combined. E. K. Gade. 1,817,682; Aug. 4.
Calendar and the like, Greeting. J. H. Brown. 1,835,268; Dec. 8.
Calendar attachment. J. F. Eynck. 1,827,570; Oct. 13.
Calendar, Bandlike. H. Schumacher. 1,792,609; Feb. 17.
Calendar making. A. J. Samuelson. 1,788,441; Jan. 13.
Calendar, Continuous. J. S. Banfield. 1,833,197; Nov. 24.
Calendar device, Advertising. F. Spence and N. Robinson. 1,838,461; Dec. 29.
Calendar pad. P. C. Thomas. 1,829,688; Oct. 27.
Calendar, Perpetual. G. W. Fenimore. 1,788,511; Jan. 13.
Calendar, Perpetual. H. G. Govil. 1,802,344; Apr. 28.
Calendar, Rotary. S. Nakahara. 1,835,514; Dec. 8.
Calendar, Slip-control. O. Minton. 1,793,114; Feb. 17.
Calendar, Wall. A. J. Stevens. 1,836,626; Dec. 15.
Calendars and like articles, Suspending device for. O. Regen. 1,788,591; Jan. 13.
Calender stand. T. G. Gannon. 1,837,424; Dec. 22.
Calender with roll magazine. J. Kleinewefers. 1,818,628; Aug. 11.
Calendering mechanism and process. A. Bosshard. 1,797,398; Mar. 24.
Calendering method and apparatus. C. C. Cadden. 1,834,573; Dec. 1.
Calenders, Stock-winding mechanism for. T. G. Graham and P. V. Tippet. 1,790,582; Jan. 27.
Calibration system. O. A. Knopp. 1,819,714; Aug. 18.
Caliper. C. R. Kew. 1,830,113; Nov. 3.
Caliper. K. Kissendorfer. 1,810,427; June 16.
Caliper. C. Larson. 1,790,989; Feb. 3.
Caliper. C. V. McCarley. 1,790,277; Jan. 27.
Caliper, Fruit. C. W. Morrell. 1,814,401; July 14.
Caliper, Inside. J. W. Parker. 1,789,020; Jan. 13.
Caliper, Micrometer. R. J. Simpson. 1,821,398; Sept. 1.
Caliper rule. A. L. Kuhlman. 1,811,087; June 23.
Caliper with automatic locking device, Sliding. G. Hommel. 1,823,045; Sept. 15.
Calipers. J. Doyon, jr. 1,830,827; Nov. 10.
Calk for tractor belts, Antiskid. R. E. Davis. 1,822,132; Sept. 8.
Calk, Shoe. F. F. Field, jr. 1,788,154; Jan. 6.
Calking and glazing machine. R. O. Oakley. 1,792,656; Feb. 17.
Call and dismissal apparatus. B. H. Smith. 1,823,221; Sept. 15.
Call charging telephone exchange system. A. J. Busch. 1,823,679; Sept. 15.
Call distributing system. H. W. Drake. 1,806,525; May 19.
Call-indicating device. C. L. Stickney, jr. 1,794,040; Feb. 24.
Calling device. H. F. Obergfell. 1,836,492; Dec. 15.
Call-number indicator. E. Zoller and J. Villiger. 1,800,240; Apr. 14.
Calorimeter construction, Throttling steam-. E. H. Hamilton. 1,789,705; Jan. 20.
Cam and follower mechanism. E. P. Spaine. 1,832,665; Nov. 17.
Cam construction. O. C. Wilson. 1,801,215; Apr. 14.
Cam device. G. J. Boonzaier. 1,817,609; Aug. 4.
Cam end with attached opening key for containers, Forming a lacquered. J. H. O'Neil. 1,799,863; Apr. 7.
Cam engine, Variable stroke. H. W. Houston. 1,810,017; June 16.
Cam for cable cars, Adjustable. C. H. Fugle, C. H. Ostenberg, A. W. Maglein, J. M. Trudo, and A. Newton. 1,799,161; Apr. 7.
Cam-grinding apparatus. H. A. Silven. 1,791,479; Feb. 3.
Cam mechanism. J. T. Dalton. 1,812,738; June 30.
Cam mechanism. S. Hunt. 1,814,313; July 14.
Cam sealing machine. A. K. Malmquist. 1,809,905; June 16.
Cam snap lock. C. N. Fairchild. 1,806,253; May 19.
Cam washing device. J. Wolfinger. 1,810,511; June 16.
Camera. C. C. Arrasmith and H. D. Markwell. 1,820,767; Aug. 25.
Camera. L. Azarraga. 1,789,289; Jan. 20.
Camera. L. Azarraga. 1,791,112; Feb. 3.
Camera. G. Bettini. 1,820,113; Aug. 25.
Camera. R. A. Clapp. 1,819,593; Aug. 18.
Camera. H. C. Jones. 1,793,698; Feb. 24.
Camera. P. Landrock. 1,833,399; Nov. 24.
Camera. P. J. Marks. 1,792,997; Feb. 17.
Camera. P. J. Marks. 1,800,025; Apr. 7.
Camera. F. H. Owens. 1,830,239; Nov. 3.
Camera. J. B. Paul. 1,806,308; May 19.
Camera. C. H. Roth. 1,804,061; May 5.
Camera. A. A. Silva. 1,814,973; July 14.
Camera. S. S. A. Watkins. 1,795,626; Mar. 10.
Camera. A. Wheeler. 1,829,319; Oct. 27.
Camera and the like. D. C. Beidler and A. J. Viken. 1,833,668; Nov. 24.
Camera and the like, Motion picture. A. S. Howell. 1,835,493; Dec. 8.
Camera and the like, Roll film photographic. C. H. Leong. 1,831,790; Nov. 10.
Camera attachment. T. Palleson. 1,813,314; July 7.
Camera attachment, Panoramic. A. C. Hayden. 1,809,338; June 9.
Camera, Automatic still picture. H. A. Voltz. 1,838,798; Dec. 29.
Camera bellows support. G. C. Beidler. 1,807,273; May 26.
Camera casing. J. Christie. Des. 82,76; Jan. 6.
Camera casing. W. D. Teague. Des. 83,021–2; Jan. 6.
Camera casing. W. D. Teague. Des. 83,220; Feb. 3.
Camera casing. W. D. Teague. Des. 84,605; July 7.
Camera casing and making same. G. W. Adams. 1,831,794; Nov. 10.
Camera, Cinematographic. E. Goldberg. 1,789,679; Jan. 20.
Camera, Combined enlarging projector and photographic. J. H. Johnson. 1,822,220; Sept. 8.
Camera construction. C. C. Fuerst. 1,823,266; Sept. 15.
Camera control mechanism, Aerial. A. Briechle. 1,821,492; Sept. 1.
Camera exposure and flash, Simultaneous. H. E. Armstead. 1,824,030; Sept. 22.
Camera-level indicator. J. M. V. Ficklin. 1,792,687; Feb. 17.
Camera, Motion picture. J. D. Elms. 1,836,584; Dec. 15.
Camera, Motion picture. W. J. McInnis. 1,837,467; Dec. 22.
Camera, Motion-picture. O. A. Ross. 1,797,274; Mar. 24.
Camera, Motor operated motion picture. P. A. Stephenson. 1,809,256; June 9.
Camera mount, Aerial. C. Hyden. 1,829,142; Oct. 27.
Camera, Multiple-image. H. N. Cox. 1,811,495; June 23.
Camera of the portable automatic type, Cinematographic view-taking. J. Méry. 1,792,436; Feb. 10.
Camera operating mechanism. H. E. Dyche. 1,824,469; Sept. 22.
Camera part. E. E. Novotny. 1,835,421; Dec. 8.
Camera, Photographic. A. W. Caps. 1,818,461; Aug. 11.
Camera, Photographic. A. W. Caps. 1,832,277; Nov. 17.
Camera, Photographic. B. D. Chamberlin. 1,826,299; Oct. 6.
Camera, Photographic. A. S. Howell. 1,818,062; Aug. 11.
Camera, Photographic. A. M. Josepho. 1,830,168; Nov. 3.
Camera, Photographic. A. I. Liberman. 1,808,669; June 2.
Camera, Photographic. K. Morsbach. 1,823,462; Sept. 15.
Camera, Photographic. F. T. Powers. 1,832,656; Nov. 17.
Camera, Photographic. C. W. Underwood. 1,828,630; Oct. 20.
Camera, Self erecting front focusing. C. C. Fuerst. 1,826,243; Oct. 6.
Camera, Recording. C. F. Hindle. 1,791,207; Feb. 3.
Camera, Roll-film. O. Messter. 1,823,751; Sept. 15.
Camera shutter. J. Mihalyi. 1,831,791; Nov. 10.
Camera shutters, Exposure guide for. W. A. Riddell. 1,795,797; Mar. 10.
Camera view finder construction. J. Mihalyi. 1,813,674; July 7.
Camera with self-erecting lens carrier, Automatic folding. L. Goldhammer. 1,793,925; Feb. 24.
Cameras, Actuating and locking means for. E. B. Schmitt and A. Thuillier. 1,828,205; Oct. 20.
Cameras and the like, Tilt back for. D. C. Beidler and A. J. Viken. 1,796,315; Mar. 17.
Cameras, Automatic film moving device for single exposure. E. E. Ellis. 1,808,919; June 9.
Cameras, Automatic iris for. J. W. Myers and R. J. Wilkinson. 1,813,635; July 7.
Cameras, Auxiliary reel holder for movie. E. M. Mueller. 1,797,175; Mar. 17.
Cameras, Combined side member and exposure meter for. C. L. Fitz. Des. 85,174; Sept. 22.
Cameras, Combined support and shutter actuating means for. J. M. Ramsey. 1,805,185; May 12.

Cameras, Controlling the exposure shutters of photographic. H. C. F. Morant. 1,831,874; Nov. 17.
Cameras driven by a spring mechanism, Distance releasing device for moving picture. E. Goldberg. 1,830,602; Nov. 3.
Cameras, Driving and controlling mechanism for automatic S. M. Fairchild. 1,817,182; Aug. 4.
Cameras, Exposure indicating attachment for. L. Stankewitz. 1,805,424; May 12.
Cameras, Film changing and positioning device for. S. M. Fairchild. 1,804,680; May 12.
Cameras, Focus and finding apparatus for motion picture. O. A. Ross. 1,836,340; Dec. 15.
Cameras, Indicator for. M. Alland. 1,820,421; Aug. 25.
Cameras, Optical equipment for. O. Wittel. 1,818,024; Aug. 11.
Cameras, Pressure plate or pad for photographic. A. J. Denniss and V. W. Edwards. 1,827,464; Oct. 13.
Cameras relatively to distance, Adjusting stop aperture of. J. G. Beach. 1,788,655; Jan. 13.
Cameras, Shutter locking device for. L. W. Rosen. 1,805,707; May 19.
Cameras, Speed control device for motion picture. A. F. Victor. 1,830,816; Nov. 10.
Cameras, Slit holder for sound. F. H. Owens. 1,796,121; Mar. 10.
Cameras with spring motor, Pocket view taking cinematographic. A. N. Merle. 1,808,566; June 2.
Camping device for motor vehicles. E. Petersen. 1,829,056; Oct. 27.
Camping equipment for employment in connection with motor vehicles. L. J. Barnes. 1,836,060; Dec. 15.
Camp table, Collapsible. W. C. Morgan. 1,792,698; Feb. 17.
Camping installations. J. L. J. R. Verdini. 1,818,914; Aug. 11.
Camping outfit, Portable. J. Cooper. 1,790,134; Jan. 27.
Can: *See*—
Asparagus can.
Compartment can.
Dispensing can.
Fiber can.
Garbage can.
Hand opening can.
Ice can.
Interior collar can.
Key-operating can.
Liquid dispensing can.
Lubricant demonstrating can.
Nonsplash and self-draining can.
Oil can.
Oil dispensing can.
Pressure can.
Sealed can.
Sifting top can.
Step can.
Tobacco can.
Waste can.
Can. E. F. Dival. 1,838,217; Dec. 29.
Can. L. A. Robinson. 1,793,636; Feb. 24.
Can. H. Sebell. 1,832,251; Nov. 17.
Can and flash light, Combination oil. D. R. Coughlin. 1,793,160; Feb. 17.
Can and forming same, Milk. D. J. Fahlman. 1,820,733; Aug. 25.
Can and making the same. H. Sebell. 1,800,807; Apr. 14.
Can and making the same, Sheet-metal. J. F. Werder. 1,788,261; Jan. 6.
Can and sealing same. J. M. McClatchie. 1,837,366; Dec. 22.
Can bodies, Method of and machine for forming seams in. J. M. Hothersall. 1,801,504; Apr. 21.
Can-body-forming machine. T. J. Dugan. 1,793,464; Feb. 17.
Can body maker. W. E. Taylor. 1,836,201; Dec. 15.
Can-casing machine. L. Titus. 1,791,174; Feb. 3.
Can clamp, Ice-cream-. M. Selig. 1,800,109; Apr. 7.
Can closing machine. S. A. Bennett. 1,813,984; July 14.
Can closing machine. A. J. Chamberlain. Re18,209; Sept. 29.
Can-closing machine. A. J. Chamberlain. 1,788,659; Jan. 13.
Can closing machines, Brine supplying attachment for. J. H. O'Neil. 1,820,480; Aug. 25.
Can closure and making same, Externally soldered. A. Moore. 1,816,440; July 28.
Can-closure structure and process. B. De Lacy. 1,792,897; Feb. 17.
Can construction. P. Oftedahl. 1,810,925; June 23.
Can delivering mechanism. C. H. Ayars. 1,828,168; Oct 20.
Can displacer. D. J. McAvoy. 1,807,578; May 26.
Can end. C. D. McDonald and B. A. Deisch. 1,813,810; July 7.
Can end lining device. C. D. McDonald and B. A. Deisch. 1,838,318; Dec. 29.
Can end lining machine. N. Troyer and P. E. Pearson. 1,811,162; June 23.
Can ends, Method of and machine for scoring. J. M. Young. 1,811,986; June 30.
Can-feed mechanism, Differential. H. L. Guenther. 1,800,383; Apr. 14.
Can-feeding apparatus. R. B. Metzner. 1,799,857; Apr. 7.
Can feeding machine. P. Kruse. 1,828,324; Oct. 20.
Can feeding mechanism. O. H. Hansen. 1,805,243; May 12.
Can filling machine. R. J. Canton. 1,824,425; Sept. 22.
Can filling machine. C. Floyd. 1,815,766; July 21.
Can filling machine. E. D. Miller. 1,828,936; Oct. 27.
Can filling machines, Transfer mechanism for. F. Clark. 1,821,963; Sept. 8.
Can for dispensing fluids. J. H. Miller. 1,794,086; Feb. 24.
Can for filling automobile radiators, Watering. A. A. Lucius. 1,823,276; Sept. 15.
Can for the preservation of cheese. L. A. Rogers. 1,821,447; Sept. 1.
Can grid. N. M. Small and L. Buchler, jr. 1,817,715; Aug. 4.
Can handling device. E. A. Soderberg. 1,821,819; Sept. 1.
Can labeling machine. C. C. Krone. 1,812,007; June 30.
Can lifter. J. J. Smith. 1,834,503; Dec. 1.
Can lining machine. D. S. Whittall. 1,836,418; Dec. 15.
Can opener. J. D. Bolton. 1,815,094; July 21.
Can opener. S. W. Davis. 1,795,478; Mar. 10.
Can opener. A. Potigian. 1,796,807; Mar. 17.
Can-opening device. G. Ahlquist. 1,793,040; Feb. 17.
Can or container, Sanitary preserving. H. Karl. 1,837,621; Dec. 22.
Can or similar receptacle. S. G. Long. Des. 83,871; Apr. 7.
Can packer. R. Douglass. 1,793,595; Feb. 24.
Can seaming machine. E. Forsberg. 1,813,350; July 7.
Can testing machine. B. A. Deisch. 1,815,837; July 21.
Can testing machine, Automatic. J. H. O'Neil. 1,815,523; July 21.
Can testing machine, Automatic. J. H. O'Neil and G. Flock. 1,815,522; July 21.
Can top. J. V. Sundquist. 1,789,788; Jan. 20.
Can top and making the same. J. D. Evans. 1,838,302; Dec. 29.
Can top, Self-closing. R. R. Rundell. 1,795,737; Mar. 10.
Can tops, Method and apparatus for forming. F. Meier. 1,826,559; Oct. 6.
Can transfer means—non-agitating type, Combined cooker and cooler. A. R. Thompson. 1,818,109; Aug. 11.
Can washer. C. J. Bettger. 1,813,605; July 7.
Can washer, Rotary. J. P. McKinley and C. F. Ulrich. 1,799,618; Apr. 7.
Can washing machine. B. Graban. 1,814,551; July 14.
Can-washing machine. W. H. Rennie. 1,791,603; Feb. 10.
Canister. R. Monro and J. C. Goshorn. 1,789,262; Jan. 13.
Canned goods and an apparatus used in such method, Cooling. W. F. Wegner. 1,829,717; Oct. 27.
Canning. F. F. Fitzgerald. 1,803,605; May 5.
Canning machine. C. H. Ayars. 1,818,780; Aug. 11.
Canning machine. C. H. Ayars. 1,828,167; Oct. 20.
Canning materials and making the same, Synthetic. E. T. Hessle. 1,830,320; Nov. 3.
Cans and the like, Closing device for tin. L. C. Longchamp. 1,833,752; Nov. 24.
Cans, Apparatus for treating the contents of filled. L. V. Johnson. 1,836,801; Dec. 15.
Cans, Apparatus for treating the contents of filled. L. V. Johnson. 1,836,803; Dec. 15.
Cans between heat-treating chambers, Transferring. A. R. Thompson. 1,802,850; Apr. 28.
Cans, bottles, and the like, Holding and serving device for. A. B. Mowlds. 1,837,057; Dec. 15.
Cans or containers, Sifter top for. P. E. Costello. 1,802,199; Apr. 21.
Cans, Process and apparatus for making. J. F. Peters. 1,835,181; Dec. 8.
Cans, Sealing. J. M. McClatchie. 1,833,030; Nov. 24.
Candle. I. M. Brown. 1,831,902; Nov. 17.
Candle display, Electrical. S. Beecher. 1,838,734; Dec. 29.
Candle, Ornamented. H. H. Grieves and E. D. Fauth. 1,805,171; May 12.
Candlestick. J. Pedersen. Des. 83,209; Feb. 3.
Candlestick or article of analogous nature. S. A. Libold. Des. 84,946; Aug. 25.
Candlestick or similar article. E. Stahl. Des. 85,065; Sept. 8.
Candles with a permanent color, Coating, veneering, or glazing. J. Finn, jr. 1,825,785; Oct. 6.
Candy, Apparatus for handling. F. M. Schuler. 1,793,751; Feb. 24.
Candy-bar machine. E. G. Bremer. 1,797,818; Mar. 24.
Candy case. L. W. Kennedy. Des. 82,993; Jan. 6.
Candy conveying and finishing apparatus. S. Croft. 1,831,846; Nov. 17.
Candy, Cooking. D. Miller. 1,789,983; Jan. 27.
Candy cooler. E. D. Rapp. 1,814,740; July 14.
Candy cotton forming machine. B. Moad. 1,806,111; May 19.
Candy forming machine. W. H. Sergent. 1,831,826; Nov. 17.
Candy forming machine. B. O. Westerfield. 1,836,349; Dec. 15.
Candy handling system. A. Olsen, jr., and J. A. Olsen. 1,804,026; May 5.
Candy jar. J. E. Spence. Des. 83,359; Feb. 17.
Candy machine. F. J. Blesi. 1,797,753; Mar. 24.
Candy machine. F. Parnell. 1,814,008; July 14.
Candy machine. F. E. Zaiss. 1,792,672; Feb. 17.
Candy machine and making candy. E. C. Miller. 1,800,695; Apr. 14.
Candy machines, Automatic feeder for. F. M. Schuler. 1,803,656; May 5.
Candy wrapping machine. C. C. Page. 1,807,045; May 26.
Cane. A. Sjoberg. 1,824,449; Sept. 22.
Cane, Bag carrying. A. Callender. 1,838,986; Dec. 29.

Cane carrier, Intermediate. H. P. Robbins. 1,794,491; Mar. 3.
Cane construction. A. Soriente. 1,791,939; Feb. 10.
Cane cutter, Sugar. K. A. Behne. 1,802,307; Apr. 21.
Cane harvesting apparatus. A. C. Howard. 1,808,113; June 2.
Cane, Lady's fashion. T. R. Carley. Des. 83,952; Apr. 21.
Cane, Self supporting. T. Aulmann. 1,802,323; Apr. 28.
Cane stalks preparatory to the extraction of the juice from same, Apparatus for disintegrating. W. H. Morgan. 1,804,797; May 12.
Cane, Walking. W. Jasinski. 1,828,144; Oct. 20.
Cannon, Gas. S. Gormly. 1,789,585; Jan. 20.
Cannon pinion. E. L. Fenstermaker. 1,800,011; Apr. 7.
Canopy. W. G. Fincher. 1,827,427; Oct. 13.
Canopy. M. Weiss. 1,819,490; Aug. 18.
Canopy. C. M. Wickstrum. 1,792,670; Feb. 17.
Canopy, Baby's. E. D. Baxter. 1,792,799; Feb. 17.
Canopy, Collapsible auto. E. R. Scott. 1,800,071; Apr. 7.
Canopy for funerals. E. F. Schultz. Des. 84,168; May 12.
Canopy for hospital beds. M. E. Darnell. 1,830,018; Nov. 3.
Canopy for vehicles, Weatherproof adjustable. W. Woolcott. 1,827,059; Oct. 13.
Canopy frame. O. S. Case. 1,835,277; Dec. 8.
Canteen and mess kit, Combination. W. R. Nason. 1,809,596; June 9.
Cannon, Electrical. W. L. and F. J. Kaehni. 1,837,550; Dec. 22.
Cant hoister. C. H. Mendenhall. 1,827,034; Oct. 13.
Cantilever beam against torsional deflection, Bracing a. D. L. H. Williams. 1,806,010; May 19.
Canule for cow teats. J. Gudmand-Hoyer. 1,797,339; Mar. 24.
Cap. A. and S. Horos. 1,805,522; May 19.
Cap. M. M. Husman. 1,819,558; Aug. 18.
Cap. K. Klein. 1,831,767; Nov. 10.
Cap. G. B. Rayburn. 1,808,681; June 2.
Cap. W. I. Silverstein. 1,818,764; Aug. 11.
Cap. H. Slutzker. 1,789,604; Jan. 20.
Cap. M. Solomon. 1,807,180; May 26.
Cap. F. L. Vernon. 1,806,225; May 19.
Cap. S. E. Weiner. 1,812,420; June 30.
Cap. S. Werner. 1,837,695; Dec. 22.
Cap and pourer. T. N. Derby. 1,811,113; June 23.
Cap, Bathing. R. T. Hosking. 1,810,655; June 16.
Cap, Bathing. D. McBride. 1,798,024; Mar. 24.
Cap, Blasting. H. K. Babbitt. 1,821,608; Sept. 1.
Cap, Bottle. M. T. Brekke. Des. 85,571; Nov. 17.
Cap, Bubble-. R. B. Day. 1,821,619; Sept. 1.
Cap, Captive. A. Weidmann. 1,811,904; June 30.
Cap, Closure. A. Weisenburg. Des. 84,966; Aug. 25.
Cap connecter for containers. E. K. McNeal. 1,836,811; Dec. 15.
Cap, Cook's. H. Wagenfeld. 1,836,141; Dec. 15.
Cap-feeding device. C. T. Small. 1,796,167; Mar. 10.
Cap, Fill. G. Hughes. 1,821,308; Sept. 1.
Cap for a lamp standard. C. F. Haas. Des. 84,697; July 21.
Cap for bottles, Crown. L. Hoffmann. 1,837,047; Dec. 15.
Cap for collapsible tubes. R. Harding, jr. 1,796,785; Mar. 17.
Cap for containers, Self sealing. A. A. Thomas. 1,832,669; Nov. 17.
Cap for fire plugs. W. Modra. 1,837,880; Dec. 22.
Cap for milk cans, Sanitary. J. Azamber. 1,826,593; Oct. 6.
Cap for paint containers, All metal sealing. A. Wyzenbeek. 1,837,844; Dec. 22.
Cap for pens. F. C. Deli. 1,838,747; Dec. 29.
Cap for sealing containers. W. S. Fisher. 1,826,000; Oct. 6.
Cap forming die, Bottle. L. Vogelsang. 1,823,961; Sept. 22.
Cap frame. M. Ingham. 1,838,682; Dec. 29.
Cap, Friction closure. E. Scofield. 1,802,739; Apr. 28.
Cap lock. E. G. Stein. 1,832,057; Nov. 17.
Cap, Military. W. I. Silverstein. 1,818,765; Aug. 11.
Cap, Milk bottle. F. M. Hammer. 1,821,467; Sept. 1.
Cap, Miner's. J. Ruffing, sr. 1,824,840; Sept. 29.
Cap or similar article. H. N. Kirschner. Des. 83,403; Feb. 17.
Cap, Radiator. H. G. Dibelyka. Des. 85,738; Dec. 15.
Cap, Radiator. K. E. Stant. Des. 85,893; Dec. 29.
Cap remover, Fruit jar. R. Eames. 1,837,257; Dec. 22.
Cap remover, Sanitary. F. Bergmann. 1,820,999; Sept. 1.
Cap, Reversible. W. I. Silverstein. 1,816,346; July 28.
Cap, Sanitary pouring. E. D. Lukenbill. 1,804,627; May 12.
Cap, Shampoo. A. Farrelly. 1,806,155; May 19.
Cap with a clip for fountain pens. A. Watanabe. 1,823,673; Sept. 15.
Capper, Bottle. H. J. Lebherz. 1,823,366; Sept. 15.
Capping and packing device, Combination. C. H. Barrett. 1,835,261; Dec. 8.
Capping machine. F. L. Borchert. 1,816,001; July 28.
Capping machine, Bottle-. J. B. Babbitt and C. B. Harris. 1,789,856–7; Jan. 20.
Capping machine, Bottle. R. E. Hill. 1,814,386; July 14.
Capping mechanism. C. Morrow. 1,804,637; May 12.
Caps and analogous articles, Making bathing. J. Stein. 1,790,118; Jan. 27.
Caps and similar articles, Method of and apparatus for making bathing. A. E. Collins. 1,829,211; Oct. 27.
Caps, Blasting. R. K. Brewster. 1,835,753; Dec. 8.
Caps for containers, Forming threaded. W. Kowal. 1,803,022; Apr. 28.
Caps, Gasoline and oil tank locked. H. M. Heffley. 1,832,206; Nov. 17.
Caps or lids of gasoline tanks and the like, Operating means for. M. F. Harris. Re17,962; Feb. 10.
Caps or the like, Making bathing. M. S. Lower. 1,794,192; Feb. 24.
Caps to bottles, Applying hood. C. Ellis. 1,792,006; Feb. 10.
Capacitance connection to high-voltage lines. W. L. Lloyd, jr. 1,795,176; Mar. 3.
Capacitor, Self-clearing fused sectionalized. R. E. Marbury. 1,823,328; Sept. 15.
Capacity stabilizing device. P. E. Edelman. 1,822,728; Sept. 8.
Capillary means for forwarding lubricant from the evaporator of refrigerating systems. F. W. Andrews. 1,834,137; Dec. 1.
Caponizing stretcher. M. C. Merrifield. 1,812,892; July 7.
Capo tasto. W. H. Russell 1,788,636; Jan. 13.
Capstan, Wire drawing. W. E. Carroll. 1,828,922; Oct. 27.
Capsule and processes for making it, Shrinkable. J. Voss and W. Spietschka. 1,831,212; Nov. 10.
Capsule filling machine. W. Wilkie and A. A. Leverenz. 1,819,936; Aug. 18.
Capsule filter, Renewable. H. E. Birkholz. 1,821,202; Sept. 1.
Capsule machine. A. Colton. 1,787,777; Jan. 6.
Capsule of microphones. J. Greiner. 1,827,229; Oct. 13.
Car. F. Ditchfield. 1,827,784; Oct. 20.
Car. H. C. Lord. 1,810,718; June 16.
Car. J. P. McWilliams and F. Ditchfield. 1,806,173; May 19.
Car, Amusement. J. Kahl. 1,789,140; Jan. 13.
Car, Amusement. R. J. Lusse. 1,798,023; Mar. 24.
Car, Amusement. H. P. Schmeck. 1,814,969; July 14.
Car, Amusement. H. P. Schmeck. 1,839,054; Dec. 29.
Car and housing. T. A. Keen. 1,800,864; Apr. 14.
Car and lumber-weighing apparatus, Combined transfer. L. Gervais. 1,800,789; Apr. 14.
Car and trailer combination, Toy. G. H. Curtiss. Des. 85,815; Dec. 22.
Car apparatus, Amusement. J. C. Lusse. 1,818,899; Aug. 11.
Car, Automobile package. L. Oldfield. 1,835,609; Dec. 8.
Car, Ballast. D. Hindahl. 1,800,832; Apr. 14.
Car body of sheet metal for motor cars, Self supporting. A. B. Henninger. 1,822,775; Sept. 8.
Car bonnet and radiator mounting device, Motor. A. Kegresse. 1,819,178; Aug. 18.
Car, Box. O. T. Gregg. 1,791,058; Feb. 3.
Car brake. H. C. Dorris and L. C. Pritner. 1,823,888; Sept. 22.
Car brake, Motor-. P. Hallot. 1,799,898; Apr. 7.
Car brake, Railway. O. P. Perry. 1,806,214; May 19.
Car, Camera transport. A. Fried. 1,827,227; Oct. 13.
Car cleaning apparatus, Tank. M. E. Byerley. 1,816,954; Aug. 4.
Car, Combined loading and dump. F. R. Wooster. 1,826,915; Oct. 13.
Car construction. G. G. Gilpin. 1,798,877; Mar. 31.
Car construction. G. G. Gilpin. 1,813,537; July 7.
Car construction. G. G. Gilpin. 1,821,151; Sept. 1.
Car construction. E. G. Goodwin. 1,828,563; Oct. 20.
Car construction. E. J. Hall. 1,803,014; Apr. 28.
Car construction. H. S. Hart and D. Hindahl. 1,804,769; May 12.
Car construction. A. W. L. Hartbauer. 1,805,696; May 19.
Car construction. F. A. Isaacson and K. Edahl. 1,792,168; Feb. 10.
Car construction. J. O. Neikirk. 1,804,702; May 12.
Car construction. A. C. Schmohl and J. P. Anderson. 1,834,426; Dec. 1.
Car construction. A. E. Small. 1,838,006; Dec. 22.
Car construction. G. A. Suckfield. 1,834,437; Dec. 1.
Car construction, Hopper. W. J. Hoscoit. 1,813,928; July 14.
Car construction, House-. C. E. Eklind and K. J. Tobin. 1,790,657; Feb. 3.
Car construction, Kiln. G. D. Morris. 1,824,917; Sept. 29.
Car construction, Railway. A. W. L. Hartbauer. 1,805,767; May 19.
Car, Container freight. G. C. Woodruff. 1,807,268; May 26.
Car control equipment, Safety. J. C. McCune. 1,793,627; Feb. 24.
Car control equipment, Safety. J. C. McCune. 1,837,466; Dec. 22.
Car coupler. T. Morris. 1,829,835; Nov. 3.
Car coupler, Automatic. O. C. Shaffer. 1,827,621; Oct. 13.
Car coupler mechanism. E. George, jr. 1,797,650; Mar. 24.
Car coupler mechanism. W. Kelso. 1,801,924; Apr. 21.
Car coupler operating device. C. M. Goldinger. 1,814,687; July 14.
Car couplers, Device for operating. G. G. Gilpin. 1,798,464; Mar. 31.
Car couplers, Device for operating. W. P. Murphy. 1,800,398; Apr. 14.

Car couplers, Device for operating. A. E. Small. 1,813,549; July 7.
Car couplers, Operating device for. A. E. Small. 1,826,902; Oct. 13.
Car coupling. J. Andrews. 1,830,587; Nov. 3.
Car coupling. N. Schleich and C. J. Aldridge. 1,795,147; Mar. 3.
Car coupling, Automatic railway. C. Hellwig. 1,810,830; June 16.
Car draft sill, Railway. W. M. Sheehan. 1,811,977; June 30.
Car, Drop bottom mine. H. H. Pancake. 1,827,399; Oct. 13.
Car, Drop-side. G. C. Woodruff. 1,788,075; Jan. 6.
Car, Dump. J. P. Anderson. 1,834,367; Dec. 1.
Car, Dump. M. C. Blest. 1,790,402; Jan. 27.
Car, Dump. W. L. Burner. 1,789,956; Jan. 27.
Car, Dump. W. L. Burner. 1,810,639; June 16.
Car, Dump. W. L. Burner. 1,813,022; July 7.
Car, Dump. R. E. Cartzdafner. 1,798,304; Mar. 31.
Car, Dump. J. S. Curzon. 1,816,279; July 28.
Car, Dump. O. E. Kantenwein. 1,829,560; Oct. 27.
Car dumper. E. H. Kidder and W. E. Erickson. 1,807,294; May 26.
Car dumping. R. E. Brown. 1,787,812; Jan. 6.
Car dumping device. W. L. Laing. 1,820,312; Aug. 25.
Car element, Train control. W. H. Reichard. 1,824,172; Sept. 22.
Car end construction, Freight. W. F. Kiesel, jr. 1,834,952; Dec. 8.
Car end, Railroad. G. A. Spiller and G. T. Johnson. 1,828,160; Oct. 20.
Car ends. G. T. Johnson and G. E. Large. 1,832,983; Nov. 24.
Car equipment, Safety. F. B. Thomas. 1,805,645; May 19.
Car equipment, Safety. T. H. Thomas. 1,832,922; Nov. 24.
Car equipment, Safety. U. A. Whitaker. 1,801,828; Apr. 21.
Car, Folding deck stock. A. R. Burke. 1,809,772; June 9.
Car for passenger ropeways. M. Müller. 1,824,291; Sept. 22.
Car for sintering apparatus, Charge. T. M. Alexovits. 1,806,438; May 19.
Car for transporting cement or the like. M. Kind. 1,810,770; June 16.
Car frame, Railway. H. I. Wrigley. 1,815,175; July 21.
Car, Funeral. R. L. Silver. 1,830,376; Nov. 3.
Car haul, Cable. E. H. Kidder. 1,835,059; Dec. 8.
Car heater. M. B. Harris. 1,808,165; June 2.
Car heater. F. J. Heyward. 1,787,904; Jan. 6.
Car heater. S. Vernet. Re18,110; June 23.
Car holding mechanism. M. Shutt. 1,833,309; Nov. 24.
Car, Hopper. W. F. Kiesel, jr. 1,825,234–5; Sept. 29.
Car, Hopper. W. E. Wine. 1,822,836; Sept. 8.
Car, Invalid. J. Chuchta. 1,815,968; July 28.
Car jack. E. Braselmann. 1,824,768; Sept. 29.
Car journal box. T. E. Murray, jr. 1,811,554; June 23.
Car liner. F. E. Hummel. 1,803,617; May 5.
Car, Load discharging. A. Campbell. 1,818,688; Aug. 11.
Car Load discharging. A. Campbell. 1,823,029; Sept. 15.
Car loader. R. Bauerle. 1,797,565; Mar. 24.
Car loading and unloading method. R. T. Romine. 1,802,220; Apr. 21.
Car, Logging. F. A. Isaacson. 1,811,634; June 23.
Car, Mine. L. Almquist. 1,803,376; May 5.
Car, Mine. E. H. Bostock. 1,825,850; Oct. 6.
Car, Mine. R. L. Edgar. 1,797,644; Mar. 24.
Car, Mine. T. R. Evans. 1,825,943; Oct. 6.
Car, Mine. W. V. Johnson. 1,803,392; May 5.
Car, Mine. G. E. Jones, jr., and P. S. McCallen. 1,809,707; June 9.
Car, Mine. A. R. Long. 1,834,463; Dec. 1.
Car, Mine. J. Ruffing, sr. 1,808,119; June 2.
Car, Mine. H. W. Sanford. 1,796,347; Mar. 17.
Car, Mine. H. W. Sanford. 1,824,841; Sept. 29.
Car, Mine. H. W. Sanford and U. O. McKamey. 1,790,326; Jan. 27.
Car, Mine. J. L. Shular. 1,837,075; Dec. 15.
Car, Mine. N. D. Veth. 1,828,263; Oct. 20.
Car, Mine. N. D. Veth. 1,832,754; Nov. 17.
Car, Mine. C. W. Watt. 1,828,266; Oct. 20.
Car, Mine railroad. J. Steinberg. 1,815,082; July 21.
Car, Ore sintering. O. A. Oesterle. 1,827,799; Oct. 20.
Car propeller, Kiln-. T. C. Prouty and W. O. Prouty. 1,799,641; Apr. 7.
Car puller. F. T. Kern. 1,816,188; July 28.
Car pusher, Freight. D. B. Brooks. 1,805,388; May 12.
Car, Railroad. A. Christianson. 1,835,468; Dec. 8.
Car, Railroad track weeding. X. Latty. 1,816,086; July 28.
Car railroad way construction and maintenance. H. W. Protzeller. 1,817,523; Aug. 4.
Car, Railway. C. Carry, W. H. Mussey, and M. P. Blomberg. 1,810,876; June 16.
Car, Railway. C. Hankins and G. B. Christian. 1,820,136; Aug. 25.
Car, Railway. C. S. Johnston. 1,837,969; Dec. 22.
Car, Railway. B. W. Kadel. 1,810,611; June 16.
Car, Railway. H. W. Sanford. 1,796,348; Mar. 17.
Car, Railway. H. W. Sanford. 1,826,367; Oct. 6.
Car, Railway. E. R. Swanson. 1,810,044–8; June 16.
Car, Railway. E. R. Swanson. 1,829,164–7; Oct. 27.
Car, Railway. W. E. Wine and G. B. Christian. 1,810,454; June 16.
Car, Railway. W. E. Wine. 1,811,448; June 23.
Car, Railway. W. E. Wine. 1,822,835; Sept. 8.
Car, Railway dump. W. H. Mussey. 1,827,997; Oct. 20.
Car, Railway maintenance and construction. H. W. Protzeller. 1,818,750; Aug. 11.
Car, Railway retarder. F. Deloison. 1,825,899; Oct. 6.
Car, Railway section. W. Elmer. 1,830,785; Nov. 10.
Car, Refrigerator. L. E. Cartmill. 1,788,012; Jan. 6.
Car, Refrigerator. G. A. Hull. 1,804,219; May 5.
Car, Refrigerator. A. F. O'Connor. 1,826,814; Oct. 13.
Car replacer clamp. R. M. Grandy. 1,819,162; Aug. 18.
Car rerailer. W. D. McClellan. 1,789,634; Jan. 20.
Car, Rescue. L. Y. Spear. 1,802,932; Apr. 28.
Car retarder apparatus, Railway. F. Frölich. 1,812,691; June 30.
Car retarder for railway switching yards. E. Frölich. 1,787,818; Jan. 6.
Car retarder, Magnetic. O. A. Ross. 1,818,933; Aug. 11.
Car retarder, Railway. H. C. Clausen. 1,805,307; May 12.
Car-retarder system. N. C. L. Brown. 1,794,579; Mar. 3.
Car-retarder system. W. K. Howe. 1,794,619; Mar. 3.
Car, Sectional box. R. T. Romine. 1,793,965–6; Feb. 24.
Car, Sectional freight. G. C. Woodruff. 1,808,875; June 9.
Car, Sleeping. J. Koch and M. Kliesch. 1,798,542; Mar. 31.
Car, Sleeping. T. de Roode. 1,834,093; Dec. 1.
Car, Steel. H. E. Muchnic. 1,836,723; Dec. 15.
Car stop. R. L. Crews. 1,789,958; Jan. 27.
Car stopping apparatus. A. E. Evans and G. J. Nameche. 1,802,109; Apr. 21.
Car, Street. L. F. Clerc. 1,803,747; May 5.
Car structure. W. M. Sheehan. 1,811,976; June 30.
Car structure, Railway. H. M. Pflager. 1,825,476; Sept. 29.
Car structure, Railway. H. M. Pflager. 1,836,187; Dec. 15.
Car structure, Tank-. L. E. Endsley. 1,790,855; Feb. 3.
Car, Tandem hot metal. C. P. Astrom. 1,812,314; June 30.
Car, Tank. R. C. Pierce. 1,817,581; Aug. 4.
Car underframe. C. J. W. Clasen and F. W. Lewis. 1,801,332; Apr. 21.
Car underframe construction. W. H. Mussey. 1,804,428; May 12.
Car underframe, Railway. W. M. Sheehan. 1,811,975; June 30.
Car ventilator. J. A. Bombard and R. J. Rogers. 1,836,438; Dec. 15.
Car ventilator. C. L. Howard. 1,792,840; Feb. 17.
Car-vestibule diaphragms. F. M. Gunn and H. F. Seidler. 1,794,516; Mar. 3.
Car-washing apparatus and control therefor. A. H. Leschke. 1,791,216; Feb. 3.
Car, Welded-railway. H. O. Havemeyer, jr., and J. E. Muhlfeld. 1,788,292; Jan. 6.
Car wheel. A. L. Carroll. 1,833,407; Nov. 24.
Car wheel mold. J. C. Davis. 1,802,706; Apr. 28.
Car with several cranes driven from one point for the mechanical laying and removing of the elements of railroad tracks, Special motor driven. P. Guilbert and J. Legrand. 1,821,340; Sept. 1.
Cars and apparatus therefor, Inspecting railroad. M. W. Clement. 1,793,908; Feb. 24.
Cars, Apparatus for cleaning railroad. W. B. Whitsitt. 1,823,222; Sept. 15.
Cars, Apparatus for loading mine. J. A. Paisley. 1,818,427; Aug. 11.
Cars, Apparatus for unloading. C. T. Johnson. 1,794,177; Feb. 24.
Cars, Bulkhead construction for refrigerator. E. J. Shur. 1,819,978; Aug. 18.
Cars, Catering equipment for motor. C. Lengyel. 1,789,982; Jan. 27.
Cars, End wall for railway. E. E. Schlesinger. 1,794,489; Mar. 3.
Cars, Grain-loading attachment for railway. J. L. Mohun. 1,800,396; Apr. 14.
Cars, Manufacturing tank. R. C. Pierce. 1,817,580; Aug. 4.
Carbamides including urea, Production of. F. Lindner and F. Link. 1,816,087; July 28.
Carbazol antioxidant. L. J. Christman. 1,836,702; Dec. 15.
Carbazole derivatives of the dianthraquinonylamineacridone series, New. R. Berliner. 1,837,649; Dec. 22.
Carbazoles, Manufacture of hydroxy. F. Ballauf and A. Schmelzer. 1,834,015; Dec. 1.
Carbide feed for acetylene generators. H. G. Irwin. 1,825,066; Sept. 29.
Carbohydrate product and making same. J. V. Meigs. 1,801,053; Apr. 14.
Carbohydrates, Increasing the strength and resistibility against moisture of high molecular. J. Kantorowicz. 1,816,973; Aug. 4.
Carbohydrates obtained by hydrolysis of cellulose means of hydrochloric acid, Purification of. E. Hagglund. 1,818,618; Aug. 11.
Carbohydrates to products of higher oxidation, Conversion of. H. L. Henzerling. 1,834,057; Dec. 1.
Carbon, Activated. P. Zurcher. 1,819,314; Aug. 18.
Carbon, Activating. J. T. Power. 1,815,525; July 21.
Carbon, Activation of. R. G. Davis and M. T. Sanders. 1,810,871; June 16.

Carbon and its manufacture, Highly active. H. B. Hass. 1,819,165; Aug. 18.
Carbon and such carbon, Producing. C. B. Edwards and H. R. Horner. 1,789,380; Jan. 20.
Carbon and the like from cellulose, Removing. J. J. de la Roza, sr. 1,817,973; Aug. 11.
Carbon, Apparatus for the production of activated. A. Godel. 1,826,209; Oct. 6.
Carbon black and apparatus therefor, Producing. R. B. Day. 1,804,249; May 5.
Carbon black and apparatus therefor, Production of. O. Schmidt and O. Grosskinsky. 1,813,514; July 7.
Carbon black, Apparatus for producing. G. C. Lewis. 1,838,316; Dec. 29.
Carbon black, Manufacture of. A. W. Francis. 1,820,657; Aug. 25.
Carbon black, Manufacture of. G. C. Lewis. 1,810,918; June 23.
Carbon black, Manufacture of. G. C. Lewis. 1,811,854; June 30.
Carbon black, Manufacture of. G. C. Lewis. 1,811,889; June 30.
Carbon black, Manufacture of. W. B. Wiegand. 1,807,884; June 2.
Carbon black, Manufacture of. W. B. Wiegand. 1,809,290; June 9.
Carbon black, Process and apparatus for producing. C. Matlock. 1,798,614; Mar. 31.
Carbon black, Producing. E. Kroch. 1,815,851; July 21.
Carbon controller for typewriting machines. E. K. Bottle. 1,807,301; May 26.
Carbon cutter. D. H. Hastings. 1,813,289; July 7.
Carbon deposit from metal surfaces, Removing. C. B. Watson. 1,796,878; Mar. 17.
Carbon deposits, Removing. W. G. Lovell and T. A. Boyd. 1,787,789; Jan. 6.
Carbon deposits, Removing. W. G. Lovell and T. A. Boyd. 1,820,395; Aug. 25.
Carbon deposits, Removing. W. G. Lovell and T. A. Boyd. 1,825,358; Sept. 29.
Carbon deposits, Removing. W. G. Lovell and T. A. Boyd. 1,833,429; Nov. 24.
Carbon dioxide, Apparatus and process for preserving liquid. W. J. Edmonds. 1,835,699; Dec. 8.
Carbon dioxide from gases and vapors, Absorption of. J. Al. 1,831,731; Nov. 10.
Carbon dioxide, Method of and apparatus for storage and shipment of solid. C. L. Jones and J. D. Small. 1,822,626; Sept. 8.
Carbon dioxide, Process and apparatus for producing solid. J. Stoffels. 1,822,788; Sept. 8.
Carbon dioxide, Producing reduction products of. A. O. Jaeger. 1,831,179; Nov. 10.
Carbon dioxide, Treating solidified. O. Smiley. 1,810,989; June 23.
Carbon, Dispersing. W. F. Tuley. 1,818,770; Aug. 11.
Carbon disulphide, Apparatus for producing. E. Legeler and H. Kob. 1,793,181; Feb. 17.
Carbon disulphide, Producing. E. Legeler and E. Fischer. 1,795,132; Mar. 3.
Carbon from substances such as carbonmonoxide and carbonmonoxide containing gases, Preparing active elementary. H. C. J. Aarts. 1,812,230; June 30.
Carbon granules, Producing. E. E. Blankenstein. 1,827,931; Oct. 20.
Carbon granules, Producing. R. S. Howard. 1,828,046; Oct. 20.
Carbon granules, Producing. T. O. Westhafer. 1,828,009; Oct. 20.
Carbon iron, Apparatus for producing low. I. R. Valentine. 1,817,784; Aug. 4.
Carbon, Manufacture of. O. Kramer and L. Bub. 1,803,855; May 5.
Carbon, Manufacture of finely divided active. G. Kroner. 1,815,781; July 21.
Carbon, Manufacturing amorphous. A. L., Ullrich. 1,796,815; Mar. 17.
Carbon-monoxide eliminator. H. E. Story. 1,791,912; Feb. 10.
Carbon monoxide for exhaust gases, Device for removing. F. C. Fischer. 1,824,078; Sept. 22.
Carbon monoxide, Producing reduction products of. A. O. Jaeger. 1,824,896; Sept. 29.
Carbon pack. K. R. Dencklau. 1,808,840; June 9.
Carbon pack. J. S. Fleming. 1,801,496; Apr. 21.
Carbon paper. C. J. Dienelt. 1,836,907; Dec. 15.
Carbon paper, Nonreadable. C. J. Walker. 1,829,250; Oct. 27.
Carbon paper, Trademarking. W. Mendel. 1,828,374; Oct. 20.
Carbon paper, Trade-marking. S. A. Neidich. 1,796,956; Mar. 17.
Carbon. Producing highly active. A. Schreiner. 1,821,117; Sept. 1.
Carbon, Production of activated. W. M. Williams. 1,798,827; Mar. 31.
Carbon, Production of ash free adsorbent. E. J. Miller. 1,803,943; May 5.
Carbon remover and eliminator. C. F. Surface. 1,822,829; Sept. 8.
Carbon-removing apparatus. G. B. Bogart. 1,792,887; Feb. 17.
Carbon rheostat. P. E. Klopsteg. 1,837,554; Dec. 22.
Carbon tetrachloride, Making. P. S. Brallier, E. J. Dunlap, and G. D. Muggleton. 1,817,123; Aug. 4.
Carbon, Threader block for. C. L. Kelley and S. F. Ellsworth. 1,802,115; Apr. 21.
Carbonaceous articles, Treating. M. J. Marcin. 1,804,361; May 5.
Carbonaceous material, Apparatus for distilling solid. R. L. Merrill. 1,828,781; Oct. 27.
Carbonaceous material from oil apparatus, Apparatus for removing. H. W. Sheldon. 1,800,964; Apr. 14.
Carbonaceous material, Method of and apparatus for retorting. H. N. Herrick. 1,838,622; Dec. 29.
Carbonaceous materials, Apparatus and process for coking liquefiable. E. W. Clarke and J. L. Eigenbrot. 1,806,146; May 19.
Carbonaceous materials, Cracking, catalyzing, and hydrogenation of. A. E. Bianchi and G. Guardabassi. 1,810,307; June 16.
Carbonaceous materials, Destructive hydrogenation of. M. Pier. 1,835,425–6; Dec. 8.
Carbonaceous materials, Distilling. W. E. Trent. 1,818,912; Aug. 11.
Carbonaceous materials, Distillation of. H. Nielsen and B. Laing. 1,830,884; Nov. 10.
Carbonaceous materials, Obtaining valuable products from solid. R. T. Haslam and P. L. Young. 1,838,547–8; Dec. 29.
Carbonaceous materials, Process of and apparatus for baking. W. E. Trent. 1,833,801; Nov. 24.
Carbonaceous materials to produce a gaseous mixture, Treating. A. H. Mallery. 1,818,901; Aug. 11.
Carbonaceous matter from sulphur and improving its color, Removing. L. S. Bushnell and R. Morales. 1,826,124; Oct. 6.
Carbonaceous product. R. T. Goodwin. 1,812,589; June 30.
Carbonaceous substances, Apparatus for the distillation of solid. E. R. Sutcliffe. 1,813,826; July 7.
Carbonating apparatus. H. H. Chesny. 1,799,354; Apr. 7.
Carbonating apparatus. J. E. Malone. 1,808,854; June 9.
Carbonating apparatus. L. Stinson. 1,811,218; June 23.
Carbonator. N. Lombard. 1,836,329; Dec. 15.
Carbonator. L. De Markus. 1,827,386; Oct. 13.
Carbonization of waste saccharine material, Apparatus for the dehydration and low temperature. G. T. Reich. 1,823,408; Sept. 15.
Carbonizing and coking process. C. B. Wisner. 1,835,128; Dec. 8.
Carbonizing apparatus. G. W. Wallace. 1,804,073; May 5.
Carbonizing materials. W. E. Trent. 1,814,463; July 14.
Carbons for increasing their adsorbing efficiency, Treating active. C. Lourens. 1,788,466; Jan. 13.
Carbonyl compounds, Catalytic reduction of. A. O. Jaeger. 1,834,621; Dec. 1.
Carbonyl compounds, Reduction of organic. E. Muench and T. Voltz. 1,826,811; Oct. 13.
Carboy, Boxed. O. H. Buse. 1,832,843; Nov. 24.
Carburation. J. J. Tracy. 1,820,873; Aug. 25.
Carburation system. C. H. Kirby. 1,828,899; Oct. 27.
Carbureting apparatus. E. B. Cushman. 1,838,365; Dec. 29.
Carbureting apparatus and process. F. C. F. Portail. 1,795,037; Mar. 3.
Carbureting apparatus for slide-valve engine. L. W. Shutts. 1,798,956; Mar. 31.
Carbureting system. C. E. Hofbauer. 1,806,201; May 19.
Carburetor. G. Ashton and G. Frei. 1,811,288; June 23.
Carburetor. F. O. and T. M. Ball. 1,814,359; July 14.
Carburetor. C. L. Bastian. 1,831,522; Nov. 10.
Carburetor. B. Beard. 1,8089,30; May 26.
Carburetor. O. C. Berry. 1,816,070; July 28.
Carburetor. O. C. Berry and H. W. Linkert. 1,830,049; Nov. 3.
Carburetor. O. C. Berry and H. W. Linkert. 1,831,376; Nov. 10.
Carburetor. G. M. Bicknell. 1,831,056; Nov. 10.
Carburetor. G. M. Bicknell and A. A. Hayden. 1,809,886; June 16.
Carburetor. H. E. Bittel. 1,830,588; Nov. 3.
Carburetor. A. Boulade. 1,791,949; Feb. 10.
Carburetor. E. Bow and L. W. Jenks. 1,819,698; Aug. 18.
Carburetor. R. F. Bracke. 1,838,902; Dec. 29.
Carburetor. R. F. Bracke and C. W. Spohr. 1,831,840; Nov. 17.
Carburetor. O. Braun. 1,787,854; Jan. 6.
Carburetor. C. Breer. 1,803,315; May 5.
Carburetor. B. B. Briggs. 1,834,766; Dec. 1.
Carburetor. C. Brown. 1,817,610; Aug. 4.
Carburetor. W. C. Carter. 1,802,135; Apr. 21.
Carburetor. W. C. Carter. 1,809,507; June 9.
Carburetor. W. C. Carter. 1,819,674; Aug. 18.
Carburetor. W. C. Carter. 1,831,439; Nov. 10.
Carburetor. A. Chanard. 1,829,632; Oct. 27.
Carburetor. J. L. Chesnutt. 1,809,108; June 9.
Carburetor. E. F. Ciglia and L. F. Pelletier. 1,825,384; Sept. 29.
Carburetor. R. O. Clark. 1,798,065; Mar. 24.
Carburetor. C. H. Claudel. 1,829,786; Nov. 3.
Carburetor. F. A. Cole. 1,826,202; Oct. 6.
Carburetor. C. J. Constantin. 1,823,818; Sept. 15.
Carburetor. W. M. Cross. 1,792,076; Feb. 10.
Carburetor. J. S. Cuff. 1,804,322; May 5.
Carburetor. W. Decker. 1,806,045; May 19.
Carburetor. O. H. Ensign. 1,792,080; Feb. 10.

Carburetor. O. H. Ensign. 1,799,585; Apr. 7.
Carburetor. R. F. Ensign. 1,805,763; May 19.
Carburetor. R. F. Ensign. 1,826,061; Oct. 6.
Carburetor. G. A. Eynon. 1,815,650; July 21.
Carburetor. E. M. Fabrizi and G. Berti. 1,807,732; June 2.
Carburetor. E. H. Fahrney. 1,828,134; Oct. 20.
Carburetor. O. Fauser, jr. 1,798,461; Mar. 31.
Carburetor. J. R. Francis. 1,789,383; Jan. 20.
Carburetor. J. R. Francis. 1,808,843; June 9.
Carburetor. O. Z. Frazier. 1,808,537; June 2.
Carburetor. D. Gardner. 1,825,788; Oct. 6.
Carburetor. E. F. Geiger. 1,814,143; July 14.
Carburetor E. F. Geiger. 1,819,706; Aug. 18.
Carburetor. G. F. Gibson. 1,826,128; Oct. 6.
Carburetor. E. F. Giglia and L. F. Pelletier. 1,828,889; Oct. 27.
Carburetor. A. Girin. 1,821,909; Sept. 1.
Carburetor. M. Goudard. 1,803,012; Apr. 28.
Carburetor. H. J. Guiraud. 1,802,506; Apr. 28.
Carburetor. H. J. Guiraud. 1,805,947; May 19.
Carburetor. W. Guthrie. 1,821,012; Sept. 1.
Carburetor. F. E. Hale. 1,838,392; Dec. 29.
Carburetor. R. Hamilton and H. V. Croon. 1,795,602; Mar. 10.
Carburetor. A. J. Hamlin. 1,788,914; Jan. 13.
Carburetor. L. Harel. 1,791,204; Feb. 3.
Carburetor. F. A. Heath. 1,792,495; Feb. 17.
Carburetor. P. E. Heftler. 1,822,401; Sept. 8.
Carburetor. V. R. Heftler. 1,814,804; July 14.
Carburetor. V. R. Heftler and H. B. Norris. 1,806,348; May 19.
Carburetor. W. G. Heginbottom. 1,803,613; May 5.
Carburetor. F. H. Heitger. 1,821,014; Sept. 1.
Carburetor. F. H. Heitger. 1,838,675–6; Dec. 29.
Carburetor. C. E. Hofbauer. 1,807,037; May 26.
Carburetor. J. H. Holloway. 1,816,531; July 28.
Carburetor. H. Hutchison. 1,815,406; July 21.
Carburetor. J. Hutchinson. 1,791,623; Feb. 10.
Carburetor. C. F. Johnson. 1,814,601; July 14.
Carburetor. C. F. Johnson. 1,828,415; Oct. 20.
Carburetor. J. B. Kessel. 1,839,102; Dec. 29.
Carburetor. A. L. Kimball. Re17,965; Feb. 17.
Carburetor. C. H. Kirby. 1,798,162; Mar. 31.
Carburetor. C. H. Kirby. 1,830,877; Nov. 10.
Carburetor. C. H. Kirby and F. Purdy. 1,787,534; Jan. 6.
Carburetor. F. A. Kirstatter. 1,813,406; July 7.
Carburetor. J. Lavergne. 1,805,586; May 19.
Carburetor. M. A. S. Lavigne. 1,790,821; Feb. 3.
Carburetor. L. Le Breton. 1,796,154; Mar. 10.
Carburetor. A. W. Lee and A. W. Hamby. 1,809,485; June 9.
Carburetor. A. C. Mabee and C. A. Whitsett. 1,802,321; Apr. 21.
Carburetor. J. B. Macauley, jr. 1,833,583; Nov. 24.
Carburetor. J. Mahé. 1,800,458; Apr. 14.
Carburetor. T. Martinez. 1,788,726; Jan. 13.
Carburetor. J. J. Matson. 1,807,423; May 26.
Carburetor. S. E. Melkman. 1,809,387; June 9.
Carburetor. T. C. Menges. 1,791,318; Feb. 3.
Carburetor, C. E. and D. J. Monosmith. 1,828,902; Oct. 27.
Carburetor. J. F. Mullen, jr. 1,814,402; July 14.
Carburetor. H. F. Nelson. 1,827,255; Oct. 13.
Carburetor. H. Oelerich. 1,789,473; Jan. 20.
Carburetor. H. Oelerich. 1,801,684; Apr. 21.
Carburetor. A. Pariente de la Cruz. 1,809,677; June 9.
Carburetor. S. L. Picard. 1,807,750; June 2.
Carburetor. S. L. Picard. 1,820,825; Aug. 25.
Carburetor. L. Podszus. 1,800,229; Apr. 14.
Carburetor. C. N. Pogue. 1,809,531; June 9.
Carburetor. H. W. Potter. 1,804,842; May 12.
Carburetor. C. L. Rayfield. 1,789,564; Jan. 20.
Carburetor. J. P. Remington. 1,824,750; Sept. 22.
Carburetor. C. F. Robbins. 1,793,250; Feb. 17.
Carburetor. C. F. Robbins. 1,830,562; Nov. 3.
Carburetor. R. R. Rowles. 1,821,988; Sept. 8.
Carburetor. F. H. Royce. 1,813,866; July 7.
Carburetor. C. Rupoli. 1,794,249; Feb. 24.
Carburetor. H. Ryker. 1,837,338; Dec. 22.
Carburetor. E. Schimanek. 1,790,842; Feb. 3.
Carburetor. V. Schobbens. 1,802,841; Apr. 28.
Carburetor. W. Schwier. 1,833,863; Nov. 24.
Carburetor. W. Scott. 1,815,485; July 21.
Carburetor. O. Seifferle. 1,813,322; July 7.
Carburetor. E. Seignol. 1,788,338; Jan. 6.
Carburetor. R. Shipman. 1,813,206; July 7.
Carburetor. G. H. Skinner. 1,822,712; Sept. 8.
Carburetor. C. W. Spohr. 1,795,319; Mar. 10.
Carburetor. C. L. Stokes. 1,799,468–7; Apr. 7.
Carburetor. C. L. Stokes. 1,803,150; Apr. 28.
Carburetor. A. O. Tesch. 1,808,386; June 2.
Carburetor. P. S. Tice. 1,796,634; Mar. 17.
Carburetor. P. S. Tice. 1,796,734; Mar. 17.
Carburetor. P. S. Tice. 1,797,165; Mar. 17.
Carburetor. P. S. Tice. 1,804,659; May 12.
Carburetor. H. H. Timian. 1,809,648; June 9.
Carburetor. H. H. Timian. 1,832,952; Nov. 24.
Carburetor. S. L. Varvel. 1,820,512; Aug. 25.
Carburetor. G. Wahnish. 1,817,860; Aug. 4.
Carburetor. M. Warlay. 1,793,148; Feb. 17.
Carburetor. T. J. J. Wasley. 1,801,702; Apr. 21.
Carburetor. W. H. Weber. 1,815,019; July 14.
Carburetor. W. H. Weber. 1,824,852; Sept. 29.
Carburetor. P. Weidenfeller. 1,792,053; Feb. 10.
Carburetor. B. W. Westcott. 1,798,388; Mar. 31.
Carburetor. M. R. Wolfard. 1,823,017–19; Sept. 15.
Carburetor. L. C. Wolfe. Re18,269; Dec. 1.
Carburetor. L. M. Woolson. 1,803,684; May 5.
Carburetor, Air valve. L. E. Perrine. 1,805,453; May 12.
Carburetor and carbureting. C. A. Sawtelle. 1,833,183; Nov. 24.
Carburetor attachment. V. H. Burdick. 1,823,346; Sept. 15.
Carburetor attachment. J. F. Cullin. 1,825,262; Sept. 29.
Carburetor attachment. A. Wright. 1,792,884; Feb. 17.
Carburetor attachment for automobiles. W. L. Garrett. 1,797,978; Mar. 24.
Carburetor charge forming device, Multiple. H. W. Asire. 1,825,381; Sept. 29.
Carburetor choke control. O. N. Olson and L. F. Johnk. 1,815,631; July 21.
Carburetor chokers, Attachment for. C. E. Hendrix. 1,830,736; Nov. 3.
Carburetor, Combustion. J. Good. 1,789,362; Jan. 20.
Carburetor, Down draft. R. M. Anderson. 1,815,645; July 21.
Carburetor, Down draft. H. W. Linkert. 1,838,421; Dec. 29.
Carburetor, Electrically governed. F. E. Robert. 1,835,615; Dec. 8.
Carburetor, Floatless. M. Kreher. 1,818,068; Aug. 11.
Carburetor, Floatless. M. Kreher. 1,818,928; Aug. 11.
Carburetor for aircraft engines. T. Zerbi. 1,836,300; Dec. 15.
Carburetor for heavy fuels in internal combustion engines. J. Escaffre. 1,828,770; Oct. 27.
Carburetor for internal combustion engines. F. Day. 1,825,717; Oct. 6.
Carburetor for internal combustion engines. J. C. Federle. 1,828,800; Oct. 27.
Carburetor for internal combustion engines. F. Sturm. 1,827,214; Oct. 13.
Carburetor, Hydrocarbon motor. C. Davidson. 1,815,097; July 21.
Carburetor jets, Producing. A. J. Weatherhead, jr. 1,789,719; Jan. 20.
Carburetor, Natural gas. E. Rector. 1,830,336; Nov. 3.
Carburetor needle valve and choke valve controlling device. H. Ford. 1,802,913; Apr. 28.
Carburetor, Pulverized fuel. H. L. Elliott. 1,811,461; June 23.
Carburetor, Spray. W. A. Whatmough and H. Weslake. 1,816,756; July 28.
Carburetor system. C. E. Hofbauer. 1,802,604; Apr. 28.
Carburetor, Triple-atomization. K. Stehle. 1,795,685; Mar. 10.
Carburetor, Vacuum feed. R. F. Bracke. 1,833,202; Nov. 24.
Carburetor, Water gas. G. W. Davey and F. H. Waite. 1,813,386; July 7.
Carburetors, Air controlling means for. W. A. Heide. 1,789,652; Jan. 20.
Carburetors, Automatic choke for. T. D. Joeck. 1,811,354; June 23.
Carburetors for aeroplane motors, Alimetric automatic controlling device for. A. Boulade. 1,806,280; May 19.
Carburetors for internal-combustion engines and for other purposes, Device for the prevention of back fire to the. C. H. Bichler. 1,795,245; Mar. 3.
Carburizing and annealing furnace. A. D. Dauch and J. Sandberg. 1,829,710; Oct. 27.
Card and manufacturing same, Opaque washable playing. S. Klausner, A. Eichengrun, and R. Rohm. 1,811,322; June 23.
Card and punch guide for stenciled cards. J. C. Hurley. 1,799,374; Apr. 7.
Card and stencil for visible indexes, Combined. B. L. Polkosnik. 1,820,090; Aug. 25.
Cardboard and like sheets, Mechanism for feeding and severing. W. E. Molins. 1,817,701; Aug. 4.
Cardboard and similar substances for decorations of shop windows and sceneries, Apparatus for cutting. H. Müller. 1,791,320; Feb. 3.
Cardboard and the like in continuous webs, Apparatus for the manufacture of. A. Engel. 1,823,792; Sept. 15.
Cardboard box, Foldable. H. J. Stroehmann. 1,833,599; Nov. 24.
Cardboard, Corrugated. J. Moll. 1,802,522; Apr. 28.
Cardboard flat in places, Pressing corrugated. L. Clemens. 1,809,472; June 9.
Cardboard or other material, Feeding of sheets of. J. I. Nasmith and W. Kirby. 1,795,436; Mar. 10.
Card carrier for recorders. C. E. Larrabee. 1,799,752; Apr. 7.
Cardcase. H. F. Adams. 1,797,114; Mar. 17.
Cardcase, Automobile. D. D. Dyer. 1,797,134; Mar. 17.
Card dealing machine. A. J. Stecker. 1,831,580; Nov. 10.
Card display. F. Lamb. 1,822,492–3; Sept. 8.
Card, Display. A. Mendell. 1,794,311; Feb. 24.
Card Display. H. H. Molkenthin. 1,813,812; July 7.
Card, Display. J. Smith. Des. 85,553; Nov. 10.
Card distributing device, Automatic. E. J. Hangerud. 1,824,542; Sept. 22.
Card feeding mechanism. J. R. Peirce. 1,827,259; Oct. 13.

Card-finding device. E. H. Hayden. 1,798,417; Mar. 31.
Card, Golf score. C. A. Barden. Des. 85,853; Dec. 29.
Card, Guide. F. P. Schneider. 1,827,375; Oct. 13.
Card, Hand. W. A. Dutton. 1,820,380; Aug. 25.
Card, Hand. J. G. Gourdeau. 1,792,831; Feb. 17.
Card, Hand. H. Midgley. 1,818,495; Aug. 11.
Card index. C. Applegarth. 1,799,836; Apr. 7.
Card, Index. E. W. Sibley. 1,820,889; Aug. 25.
Card index. S. E. Trout. Re18,053; Apr. 21.
Card, Indicating or order. E. F. Barron. 1,819,063; Aug. 18.
Card mount for strings. W. H. Meyer. 1,821,354; Sept. 1.
Card or similar article, Display. S. H. Goldberg. Des. 83,437; Feb. 24.
Card-perforating machines, Back-space and column-normalizing mechanism for. W. W. Lasker. 1,798,610; Mar. 31.
Card, Playing. D. T. Dubassoff. Des. 83,249; Feb. 10.
Card, Playing. H. L. Pohs. 1,794,866; Mar. 3.
Card-punching device. J. W. Bryce. 1,791,950; Feb. 10.
Card, Sample. S. E. Bender. 1,824,460; Sept. 22.
Card, Sample. J. and M. Domber. 1,788,826; Jan. 13.
Card, Sample tab. A. Soehner. 1,829,308; Oct. 27.
Card, Score. R. E. Wehler. 1,801,891; Apr. 21.
Card, Self supporting display. A. J. Ohlson. 1,821,025; Sept. 1.
Card-separating mechanism. J. J. Murray. 1,794,198; Feb. 24.
Card sorting machine. E. A. Ford. 1,817,511; Aug. 4.
Card stripper for jacquard mechanism. T. H. Halton. 1,788,291; Jan. 6.
Card supporting clip. M. D. Pollinger. 1,838,786; Dec. 29.
Card table. H. C. Bryant. 1,795,592; Mar. 10.
Card table. C. Kolodny. 1,838,558; Dec. 29.
Card table. A. R. Wright. 1,811,526; June 23.
Card, Visible index. A. Von Auw. 1,802,293; Apr. 21.
Cards and planetary calculator, Magic. G. Jakopec and J. Samu. 1,817,824; Aug. 4.
Cards, Deck of playing. W. L. Moore. Des. 84,429; June 16.
Cards for use in statistic machines. A. G. Rendall. 1,794,402; Mar. 3.
Cards from engines, Method and apparatus for obtaining indicator. G. D. Angle. 1,819,143; Aug. 18.
Cards, Pack of playing. J. Bull. Des. 85,511; Nov. 10.
Cards, Pack of playing. J. D. Niederlitz. Des. 83,342; Feb. 17.
Cards, Set of playing. H. J. Thomas. Des. 85,265; Sept. 29.
Cards, Set of playing. H. H. Weintraub. Des. 85,406–7; Oct. 20.
Cards with the help of feeler pins. Apparatus for sorting punched. C. H. Stuivenberg. 1,799,186; Apr. 7.
Cardiological instrument and method. A. T. Hayman and G. L. Campbell. 1,794,685; Mar. 3.
Cardiotachometer. E. P. Boas and B. Liebowitz. 1,816,465; July 28.
Cargo hatchway. M. A. Nielson. 1,795,571; Mar. 10.
Cargo on ships, Contrivance for storing. J. Stein. 1,792,940; Feb. 17.
Cargoes by crane, Method of and apparatus for transferring. F. H. Weeks. 1,808,873; June 9.
Carline Reenforcement and load-lifting arrangement. C. Harter. Re17,977; Feb. 24.
Carline-reenforcement and load-lifting arrangement. C. Harter. Re18,018; Mar. 31.
Carnation. O. A. Müller. Pl. Pat. No. 3; Oct. 20.
Carpet. C. B. Faraday. Des. 84,687; July 21.
Carpet. H. C. La Couture. Des. 84,154; May 12.
Carpet. H. C. La Couture. Des. 84,833; Aug. 11.
Carpet. F. Murphy. Des. 85,592; Nov. 17.
Carpet and floor cleaner. B. Kern. 1,816,538; July 28.
Carpet and manufacturing the same. G. Straub. 1,789,641; Jan. 20.
Carpet and producing the same. B. A. Zedler. 1,795,632; Mar. 10.
Carpet cleaning machine. W. T. Stride. 1,814,866; July 14.
Carpet-dusting apparatus. P. J. Shampay. 1,789,086; Jan. 13.
Carpet holding device. W. Kernochan. 1,836,375; Dec. 15.
Carpet or rug. C. H. Hackländer. 1,812,948; July 7.
Carpet roll support, Revolving. H. H. Yocum. 1,814,998; July 14.
Carpet tacking strip. S. H. Barrows. 1,833,732; Nov. 24.
Carriage, Baby. J. A. Eberle. 1,805,135; May 12.
Carriage, Baby. N. Lazzeri. 1,810,428; June 16.
Carriage body suspension, Baby. J. W. Jackson. 1,837,049; Dec. 15.
Carriage, Doll. C. M. Geller. Des. 85,640; Dec. 1.
Carriage-feed mechanism. E. J. Svenson. 1,797,216; Mar. 17.
Carriage for children. Collapsible. R. H. Brown. 1,807,235; May 26.
Carriage for stowing airplanes, Handling. G. Loening. 1,811,510; June 23.
Carriage for valve disks, Antifriction. A. M. Houser. 1,801,960; Apr. 21.
Carriage, Patient's transfer. M. J. Gilroy. 1,829,274; Oct. 27.
Carriage, Safety. V. H. Hayslip. 1,831,068; Nov. 10.
Carriages, Device for propelling baby. W. F. Kearney. 1,797,092; Mar. 17.
Carrier: *See*—

Aeroplane carrier.	Ice carrier.
Aircraft carrier.	Ice-cream-cone carrier.
Amalgam carrier.	Key carrier.
Ammunition carrier.	Log carrier.
Article carrier.	Luggage carrier
Baggage carrier.	Lumber carrier.
Basket carrier.	Lunch carrier.
Battery carrier.	Lure carrier.
Board and hose carrier.	Mail bag carrier.
Bobbin filling carrier.	Overhead carrier.
Bottle carrier.	Overhead traveling carrier
Braider carrier.	Package carrier.
Braiding carrier.	Parcel carrier.
Brick stack carrier.	Piano carrier.
Cane carrier.	Pneumatic dispatch carrier.
Cash carrier.	Tank carrier.
Curtain carrier.	Tire carrier.
Differential carrier.	Transfer sheet carrier.
Dispatch carrier.	Tree carrier.
Dog carrier.	Tube carrier.
Egg carrier.	Wheel carrier.
Fender-well carrier.	Wheeled carrier.
Food carrier.	Wire reel carrier.
Game and food carrier.	Work carrier.

Carrier. L. W. Hassensall. 1,828,412; Oct 20.
Carrier. W. Mitchell and P. Blink. 1,821,563; Sept. 1.
Carrier and signal, Aerial package. P. P. Horni. 1,812,955; July 7.
Carrier attachment for vehicles, Pole. E. B. Weeks. 1,827,498; Oct. 13.
Carrier bag. P. L. Andrews. 1,792,885; Feb. 17.
Carrier for aircraft, Cargo. C. H. Jacobs and A. F. Harshbarger. 1,824,550; Sept. 22.
Carrier for automobile bodies, Luggage. W. W. Wilson. 1,838,344; Dec. 29.
Carrier for automobiles, Luggage. L. M. Blanton. 1,829,729; Nov. 3.
Carrier for automobiles, Luggage. R. F. Burgess. 1,823,783; Sept. 15.
Carrier for automobiles, Luggage. S. Debus. 1,795,844; Mar. 10.
Carrier for composing machines, Character. P. L. Hill. 1,796,023; Mar. 10.
Carrier for container. A. J. Ross. 1,820,497; Aug. 25.
Carrier for curtain tracks, Master. L. W. Bond. 1,818,786; Aug. 11.
Carrier for despatch systems. F. W. MacMartin. 1,828,504; Oct. 20.
Carrier for furnaces, Mechanical pack. W. Newby. 1,825,537; Sept. 29.
Carrier for motor vehicles, Luggage and like. E. H. Coquille. 1,825,940; Oct. 6.
Carrier for spare wheels and tires. E. S. Hebeler. 1,808,983; June 9.
Carrier for transporting and dispensing liquids. C. Cunningham. 1,788,987; Jan. 13.
Carrier for vehicle, Luggage. N. H. Vigus. 1,797,596; Mar. 24.
Carrier for vehicles, Luggage. G. L. Binns. 1,807,371; May 26.
Carrier for vehicles, Spare tire. C. F. Wasserfallen. 1,834,482; Dec. 1.
Carrier rack, Automobile. J. Rajeska. 1,795,677; Mar. 10.
Carrier repeating system. W. E. Kahl. 1,836,804; Dec. 15.
Carrier signaling system. H. A. Affel. 1,819,054; Aug. 18.
Carrier system for foundries. E. T. Bennington. 1,789,860; Jan. 20.
Carrier system, Pneumatic. J. M. Scanlan. 1,815,590; July 21.
Carrier wheel device. A. S. Shoffstall and H. M. Brown. 1,833,132; Nov. 24.
Carriers, Flexible grappling bar for lumber. G. A. Grab. 1,798,412; Mar. 31.
Carriers for catalysts and the like. A. Joseph. 1,818,403; Aug. 11.
Carriers, Method of and machine for threading. J. Thomas. 1,789,537; Jan. 20.
Carroting composition. J. B. Hakim. 1,806,533; May 19.
Carry bag. C. P. Kleebauer and R. M. Lackey. 1,806,761; May 26.
Carrying case. J. A. Noble. 1,787,793; Jan. 6.
Carrying case, Wardrobe hand. A. W. Winship. 1,788,139; Jan. 6.
Carrying device. G. Betancourt. 1,829,629; Oct. 27.
Carrying device. F. L. Moore. 1,794,471; Mar. 3.
Carrying fork attachment for clay products. H. F. Goss. 1,821,798; Sept. 1.
Carrying handle. T. L. Miller. 1,810,840; June 16.
Cars and the like, Device for use in loading. C. M. MacChesney. 1,831,815; Nov. 17.
Cars and the like, Method and apparatus for gauging the contents of tank. L. E. Frazier. 1,827,574; Oct. 13.
Cars, Interchange device for automatic connecters for railway. J. Robinson. 1,828,072; Oct. 20.
Cars, Load bracing device for railroad. C. A. Chandler. 1,833,016; Nov. 24.
Cars, Running board for container. G. C. Woodruff. 1,830,307; Nov. 3.
Cart and sifter screen, Combined loading. L. Marx. 1,820,944; Sept. 1.

Cart, Baby carry. O. B. Cramer. 1,792,002; Feb. 10.
Cart, Child's. E. G. Feldin. 1,797,412; Mar. 24.
Cart, Drag. F. Gibson. 1,800,621; Apr. 14.
Cart for milk cans, Hand. E. Nessan. 1,831,026; Nov. 10.
Carton. R. K. Becker. 1,837,749–50; Dec. 22.
Carton. O. Blitz. 1,830,420; Nov. 3.
Carton. G. C. Deane. 1,803,239; Apr. 28.
Carton. A. Ehrenfeld. Des. 84,138; May 12.
Carton. T. H. Gagen. 1,828,837; Oct. 27.
Carton. H. C. Mohr. 1,826,084; Oct. 6.
Carton. W. C. Schilling. Des. 85,843; Dec. 22.
Carton. G. A. Trost. 1,800,415; Apr. 14.
Carton and carton opener. P. E. Fischer. 1,816,835; Aug. 4.
Carton and pouring spout therefor. W. A. Morris. 1,816,985; Aug. 4.
Carton, Chimney. S. A. Pettibone. 1,829,942; Nov. 3.
Carton, Dispensing. H. D. Field and R. C. McCrystal. 1,793,073; Feb. 17.
Carton, Dispensing. L. V. Young. 1,824,862; Sept. 29.
Carton, Display. C. E. Albert. 1,791,094; Feb. 3.
Carton, Display. J. J. Mahoney, jr., and W. J. Carter. 1,800,550; Apr. 14.
Carton, Display. J. P. Mohen. 1,802,123; Apr. 21.
Carton, Display. J. L. Viscount. 1,815,224; July 21.
Carton, Egg. H. A. Inman. 1,804,166; May 5.
Carton end closing means. R. H. Stimpson. 1,832,262; Nov. 17.
Carton filler, Egg. E. W. Moeble. 1,838,858; Dec. 29.
Carton filling machine, Egg. E. J. Kanabay. 1,830,064; Nov. 3.
Carton, Folding. H. K. Powell. 1,824,927; Sept. 29.
Carton, Food. R. Choate. 1,837,652; Dec. 22.
Carton for books, Mailing. H. L. Greve. 1,822,576; Sept. 8.
Carton for shipping purposes. H. L. Greve. 1,822,575; Sept. 8.
Carton for vending machines, Magazine. C. D. Bendheim. 1,791,344; Feb. 3.
Carton forming machine. S. R. Howard and A. C. Everett. 1,791,963; Feb. 10.
Carton, Mailing. F. Reichel. 1,822,936; Sept. 15.
Carton, One-piece four-walled. E. O. Tinsley. 1,787,498; Jan. 6.
Carton or like container for cigarettes and the like. W. E. Molins. 1,805,371; May 12.
Carton or similar article, Display. E. M. Salisbury. Des. 84,106; May 5.
Carton or similar container. L. J. Golden. Des. 84,032; Apr. 28.
Carton package. F. A. Flather. 1,807,519; May 26.
Carton-sealing machine. J. T. Gordon. 1,797,191; Mar. 17.
Carton sealing machine. W. D. Kimball and A. E. Rideout. 1,815,571; July 21.
Carton, Severable egg. H. McWilliams. 1,836,100; Dec. 15.
Carton, Twin-section egg. L. Sugerman. 1,793,026; Feb. 17.
Carton, Twin-section egg. L. Sugerman. 1,794,124–5; Feb. 24.
Cartoning machine. W. W. McCain. 1,803,633; May 5.
Cartons, Closure for pouring. R. Guyer. 1,803,612; May 5.
Cartons, Filling and sealing. L. R. Muskat. 1,791,104; Feb. 3.
Cartons, Sealing. F. B. Thomlinson. 1,805,533; May 19.
Cartridge. R. J. Alden. Des. 12,252; Nov. 17.
Cartridge and tamper, Blasting. E. Ormsby. 1,826,150; Oct. 6.
Cartridge, Blank. C. L. Holden and P. P. Quayle. 1,804,986; May 12.
Cartridge, Blasting. F. H. Armistead. 1,807,836; May 26.
Cartridge, Blasting. F. H. Armstrong. 1,826,702; Oct. 13.
Cartridge, Blasting. R. W. Dull. 1,829,855; Nov. 3.
Cartridge, Blasting. D. Ferrell and A. W. Helmholtz. 1,805,541; May 19.
Cartridge, Blasting. F. H. Kneeland. 1,816,257; July 28.
Cartridge, Blasting. F. H. Kneeland. 1,818,993; Aug. 18.
Cartridge, Blasting. F. H. Kneeland. 1,818,995; Aug. 18.
Cartridge, Blasting. F. H. Kneeland. 1,827,318; Oct. 13.
Cartridge, Blasting. F. H. Kneeland. 1,829,866; Nov. 3.
Cartridge, Blasting. E. Ormsby. 1,805,672; May 19.
Cartridge charging device. F. H. Kneeland. 1,832,639; Nov. 17.
Cartridge clip. C. T. Neal. 1,811,093; June 23.
Cartridge clip and follower, Combination of. J. D. Pedersen. 1,804,511; May 12.
Cartridge-feeding mechanism. J. M. Browning. 1,800,594; Apr. 14.
Cartridge, Flash-light. I. Bamberger. 1,833,404; Nov. 24.
Cartridge for breathing apparatus. A. B. Drüger. 1,802,941; Apr. 28.
Cartridge for plastic material, Reversible. P. A. Tomes. 1,787,962; Jan. 6.
Cartridge for small arms, Light-projecting dummy. E. C. Lawrence. 1,795,401; Mar. 10.
Cartridge fuse. C. T. McDonald and H. R. Cook. 1,804,886; May 12.
Cartridge, Grease gun. M. B. Linton. 1,838,691; Dec. 29.
Cartridge magazine. C. Otto. 1,835,517; Dec. 8.
Cartridge, Mining. S. G. Frantz. 1,808,162; June 2.
Cartridge, percussion cap, detonator, detonating fuse, and the like, Blasting. O. Turek. 1,824,848; Sept. 29.
Cartridge separating device for pneumatic tube plants. H. Marburg. 1,823,056; Sept. 15.
Cartridge shell and making the same. A. G. Schuricht. 1,802,188; Apr. 21.
Cartridge, Water tight explosive. R. L. Hill. 1,824,141; Sept. 22.
Cartridge with projectile for smooth-bore firearms. C. L. Bloch-Jørgensen. 1,794,141; Feb. 24.
Cartridges, Absorbent for breathing. G. K. E. H. Stampe. 1,826,329; Oct. 6.
Cascade connection for commutator machines. J. Ossanna, H. Graner, and F. Hofmann. 1,822,369; Sept. 8.
Case: *See*—

Air cleaner case.	Packing case.
Battery case.	Pen or pencil case.
Brief case.	Piano case.
Card case.	Pocket case.
Carrying case.	Radio vanity case.
Chain case.	Razor case.
Cigarette case.	Shipping case.
Compact case.	Show case.
Cooky case.	Smoking case.
Desk and wall clock case.	Spectacle case.
Dispensing case.	Spool case.
Display case.	Sterilizing case.
File case.	Storage case.
Food display case.	Toothbrush case.
Insulated case.	Traveling case.
Instrument case.	Turbine case.
Interchangeableinstrument case.	Type case.
Key case.	Vanity case.
Kit case.	Wardrobe case.
Mailing case.	Watch case.
Novelty case.	Watch protecting case.
	Waterproof bather's case.

Case. M. A. White. 1,800,769; Apr. 14.
Case and display device, Combined. J. S. Cable. 1,822,007; Sept. 8.
Case and fabric wiper, Lipstick. S. Greenwald. 1,838,758; Dec. 29.
Case and frame for pictures or other articles. F. Weil. 1,792,948; Feb. 17.
Case and lighter, Combined cigarette. S. Sprague. 1,794,559; Mar. 3.
Case and making the same, Piano. C. E. Cameron. 1,799,675; Apr. 7.
Case equipped with lock-controlled attaching means, Carrying. A. R. Boucher. 1,796,502; Mar. 17.
Case filler, Egg. A. W. Coyle. 1,808,531; June 2.
Case for a tobacco pipe and accessories, Pocket. S. Schishka. Des. 84,902; Aug. 18.
Case for currency, Carrying. F. D. Ballard and F. S. Buck. 1,824,765; Sept. 29.
Case for electric clocks. A. F. Poole. 1,831,261; Nov. 10.
Case for firearms, Cartridge. J. Destree. 1,834,020; Dec. 1.
Case for paper currency, Pocket. L. Mayer. 1,799,383; Apr. 7.
Case for toilet accessories and the like. P. C. Delaize. Des. 85,733; Dec. 15.
Case hardening. R. J. Cowan and P. W. McCoy. 1,813,028; July 7.
Case hardening. J. J. Egan. 1,793,309; Feb. 17.
Case hardening. J. J. Egan. 1,837,256; Dec. 22.
Case hardening. A. B. Kinzel. 1,837,272; Dec. 22.
Case-hardening composition. E. C. Moffett. 1,796,800; Mar. 17.
Casehardening method. P. W. and E. B. Shimer. 1,789,259; Jan. 13.
Case or container, Pocket. W. S. Saunders. 1,807,936; June 2.
Case or the like, Accordion. M. Brooks and J. Carner. Des. 85,280; Oct. 6.
Case or the like, Cigarette. R. I. Rhodes. 1,830,372; Nov. 3.
Case shift mechanism. O. A. Hokanson. 1,819,369; Aug. 18.
Case-tie or like fastening. H. Armistead. 1,806,836; May 26.
Case washing machine. G. Christensen. 1,815,239; July 21.
Casein and product thereof, Treating rennet. H. V. Dunham. 1,819,880; Aug. 18.
Casein, Producing low viscosity. H. V. Dunham. 1,818,878; Aug. 18.
Casein, Treatment of. H. V. Dunham. 1,819,879; Aug. 18.
Casement. A. A. Potter. 1,787,917; Jan. 6.
Casement adjuster, Friction. R. C. Gray. 1,818,977; Aug. 18.
Casement adjuster, Friction. G. A. Wellman. 1,822,719; Sept. 8.
Casement frame, Reversible. G. M. Kleinknecht. 1,806,467; May 19.
Casement lock, Window. W. Schnell. 1,810,856; June 16.
Casement window. G. R. Shaw. 1,821,449; Sept. 1.
Casement window structure. T. Johnson. 1,805,403; May 12.
Cases for watches or like articles, Opening. G. A. Verger. 1,816,101; July 28.
Cash carrier. J. L. Baldwin. 1,793,895; Feb. 24.
Cash register. S. Brand. 1,808,398; June 2.

Cash register. S. Brand. 1,811,534; June 23.
Cash register. S. Brand. 1,812,194; June 30.
Cash register. F. L. Fuller. 1,799,682; Apr. 7.
Cash register. F. L. Fuller. 1,839,174; Dec. 29.
Cash register. M. M. Goldberg. 1,791,866; Feb. 10.
Cash register. M. M. Goldberg. 1,812,001; June 30.
Cash register. C. W. Green. 1,793,795; Feb. 24.
Cash register. C. W. Green. 1,795,116; Mar. 3.
Cash register. C. W. Green. 1,815,025; July 14.
Cash register. C. W. Green. 1,817,815–17; Aug. 4.
Cash register. C. W. Green. 1,821,339; Sept. 1.
Cash register. C. W. Green and R. E. Rice. 1,795,115; Mar. 3.
Cash register. F. S. Haas. 1,799,687; Apr. 7.
Cash register. F. S. Haas. 1,839,182; Dec. 29.
Cash register. W. Kropff. 1,791,899; Feb. 10.
Cash register. W. Kropff. 1,818,338; Aug. 11.
Cash register. W. E. Lippert. 1,836,477; Dec. 15.
Cash register. J. Rawyler. 1,819,038; Aug. 18.
Cash register. A. Rist. 1,835,183; Dec. 8.
Cash register. W. H. Robertson. 1,791,905; Feb. 10.
Cash register. W. H. Robertson. 1,795,509; Mar. 10.
Cash register. W. H. Robertson. 1,812,020; June 30.
Cash register. W. H. Robertson. 1,815,329; July 21.
Cash register. W. H. Robertson. 1,816,263; July 28.
Cash register. P. Sburlino. 1,828,849; Oct. 27.
Cash register. B. M. Shipley. 1,789,418; Jan. 20.
Cash register. B. M. Shipley. 1,791,845; Feb. 10.
Cash register. B. M. Shipley. 1,791,875; Feb. 10.
Cash register. B. M. Shipley. 1,791,907–8; Feb. 10.
Cash register. B. M. Shipley. 1,799,328; Apr. 7.
Cash register. B. M. Shipley. 1,803,812; May 5.
Cash register. B. M. Shipley. 1,804,650; May 12.
Cash register. B. M. Shipley. 1,814,009; July 14.
Cash register. B. M. Shipley. 1,815,335; July 21.
Cash register. B. M. Shipley. 1,815,453; July 21.
Cash register. B. M. Shipley. 1,817,770; Aug. 4.
Cash register. B. M. Shipley. 1,817,883; Aug. 4.
Cash register. B. M. Shipley. 1,819,042; Aug. 18.
Cash register. B. M. Shipley. 1,826,901; Oct. 13.
Cash register. B. M. Shipley. 1,838,579; Dec. 29.
Cash register. J. F. Skane. 1,839,179; Dec. 29.
Cash register. O. J. Sundstrand. 1,810,737; June 16.
Cash register. E. J. Von Pein. 1,797,487; Mar. 24.
Cash register. E. J. Von Pein. 1,797,536; Mar. 24.
Cash register. E. J. Von Pein. 1,824,248; Sept. 22.
Cash register. E. J. Von Pein. 1,829,817; Nov. 3.
Cash register. E. J. Von Pein and W. S. Roux. 1,824,247; Sept. 22.
Cash register and adding machine, Combined. H. Landsiedel. 1,800,865; Apr. 14.
Cash registers and calculating machines, Differential mechanism for. E. Breitling. 1,792,569; Feb. 17.
Cash registers, Blocking the setting means of. E. Breitling. 1,829,084; Oct. 27.
Cash registers, Setting mechanism for. K. A. Lehmann and F. Ranglack. 1,818,632; Aug. 11.
Cashew nut shell oil and processes therefor, Reaction products of. V. A. Ryan. 1,838,072; Dec. 22.
Casing. E. E. Eickmever. 1,825,997; Oct. 6.
Casing and coil assembly for heat transfer devices. J. E. Ercanbrack. 1,806,450; May 19.
Casing and latching mechanism therefor, Plural section. L. V. Aronson. 1,82-,085; Sept. 1.
Casing and producing the same, Sausage. B. J. Mumm. 1,837,280; Dec. 22.
Casing and support for a clock or similar article, Combined. A. Von Frankenberg. Des. 85,678; Dec. 1.
Casing and tubing head suspension. L. L. Rector. 1,834,968; Dec. 8.
Casing, Boltless. R. L. Meyers. 1,821,228; Sept. 1.
Casing, Clock. J. E. Mott. Des. 83,874–5; Apr. 7.
Casing construction. H. L. Jorgensen. 1,789,102; Jan. 13.
Casing cutter. G. A. Lowrey and W. F. Hall. 1,788,579; Jan. 13.
Casing cutter, Inside. E. Gray. 1,801,424; Apr. 21.
Casing, Danger signal light. J. C. Leo. Des. 85,832; Dec. 22.
Casing, Dispensing machine. E. Kanter. Des. 85,288; Oct. 6.
Casing, Elastic fluid turbine. H. L. Guy. 1,828,408; Oct. 20.
Casing, Electricity meter. R. Pudelko. 1,802,735; Apr. 28.
Casing, Electric heater. A. I. Marcum. Des. 85,881; Dec. 29.
Casing, Electric lamp socket. J. Weber. 1,817,025; Aug. 4.
Casing elevator. E. E. Greve. 1,805,519; May 19.
Casing for a camera. S. J. Pask. Des. 84,950; Aug. 25.
Casing for cigarette vending machine. A. J. Branstad. Des. 85,809; Dec. 22.
Casing for a cinematograph. A. Shapiro. Des. 84,497; June 23.
Casing for a combined clothes washer and drier. J. C. Nelson and W. A. Papworth. Des. 84,159; May 12.
Casing for a combined projection head, shutter shield, and light guard for a motion-picture-projection machine. A. Dina. Des. 83,795; Mar. 31.
Casing for a floor polishing brush and handle therefor, Combined. H. H. Wolfe and H. L. Myers. Des. 84,910; Aug. 18.
Casing for a golf ball painting machine. R. C. Smith. Des. 84,305; June 2.
Casing for a manicuring motor. H. J. Stevenson and M. Kessler. Des. 83,019; Jan. 6.
Casing for a massage apparatus with hose and cup attached. S. Stephani, née Kaus. Des. 84,383; June 9.
Casing for a portable electric polisher. A. G. Decker. Des. 84,132–3; May 12.
Casing for a radio circuit controlling apparatus. L. D. Whaley. Des. 83,139; Jan. 20.
Casing for a refrigerating, mixing, and dispensing machine. E. L. Reynolds. Des. 84,547; June 30.
Casing for a signaling device. J. E. Muldoom. Des. 83,168; Jan. 27.
Casing for a suction cleaner or similar article. B. C. Becker. Des. 84,869; Aug. 18.
Casing for an electric toaster or lamp. E. S. Preston. Des. 83,830; Mar. 31.
Casing for an elevator signal or similar article. K. D. Lighthipe. Des. 83,456–8; Feb. 24.
Casing for an elevator signal or similar article. K. D. Lighthipe. Des. 83,735; Mar. 24.
Casing for an elevator signal or similar article. K. D. Lighthipe. Des. 83,820; Mar. 31.
Casing for boilers. W. H. Cliff. 1,800,189; Apr. 7.
Casing for desk pencil sharpeners. E. C. Hoffmann. Des. 85,646; Dec. 1.
Casing for dispensing apparatus. C. D. Fagan. Des. 84,575; July 7.
Casing for electric air heaters. G. D. Hoffman. Des. 84,699; July 21.
Casing for electric water heaters. J. G. Parkhurst. 1,833,791; Nov. 24.
Casing for electrical apparatus, Tubular. M. Unger. 1,814,871; July 14.
Casing for flexible drive shafts. L. B. Smith. 1,791,847; Feb. 10.
Casing for fruit vending machine. W. H. Claussen. Des. 84,397; June 16.
Casing for fruit vending machines. W. H. Claussen. Des. 84,276; June 2.
Casing for hydraulic shock absorbers. C. W. Thompson. 1,794,807; Mar. 3.
Casing for meters. W. G. Mylius and B. G. La Bar. Des. 83,740; Mar. 24.
Casing for oil burners. C. H. Chalmers. Des. 83,309; Feb. 17.
Casing for pipe fittings, valve and the like, Insulation. A. Eige. 1,814,134; July 14.
Casing for pneumatic tires, Protective. F. Mott. 1,798,484; Mar. 31.
Casing for shade rollers. P. Warnick. 1,814,422; July 14.
Casing for spools or other articles, Dustproof. A. E. Bruns. 1,810,594; June 16.
Casing for translucent name or number plate. H. Koch. 1,836,669; Dec. 15.
Casing for uviare lamps. E. N. Wantz. 1,838,508; Dec. 29.
Casing for washing machines. E. S. Burdick. Des. 83,844; Apr. 7.
Casing for water heaters. S. J. Lonergan and L. P. Corsbie. 1,802,085; Apr. 21.
Casing for wells. I. A. Dunlap. 1,833,457; Nov. 24.
Casing, Gas stove. H. W. O'Dowd. Des. 85,710–11; Dec. 8.
Casing, Gasoline dispenser. J. Sinel. Des. 84,857; Aug. 11.
Casing head. A. Boynton. 1,825,774; Oct. 6.
Casing head. E. F. Guidinger. 1,827,287; Oct. 13.
Casing head. W. L. McLaine. 1,830,205; Nov. 3.
Casing head and bow out preventer, Combined. G. A. Humason. 1,811,013; June 23.
Casing head for oil wells, Safety. M. S. Cunningham. 1,819,875; Aug. 18.
Casing head for oil and gas wells. W. L. Church 1,828,555; Oct. 20.
Casing-head packer. E. J. Zerr. 1,794,662; Mar. 3.
Casing, Hot air furnace. R. M. Baker. 1,813,013; July 7.
Casing in two parts for packing parachutes. R. Habermehl. 1,795,168; Mar. 3.
Casing, Liquid-dispensing-machine. H. E. Crosby. Des. 83,896; Apr. 14.
Casing, Metal. G. D. Hauser. 1,836,070; Dec. 15.
Casing, Metal. H. Junkers. 1,822,036; Sept. 8.
Casing, motor, and handle ensemble for a drum sanding machine. H. L. Myers. Des. 85,664; Dec. 1.
Casing or cover for radiators. T. E. Murray, jr. 1,816,604; July 28.
Casing, Pencil. J. Schneider. 1,815,451; July 21.
Casing perforator for oil wells. W. E. Rembert. 1,835,722; Dec. 8.
Casing, Pneumatic tire. B. Darrow. 1,818,944; Aug. 11.
Casing, Popcorn machine. H. H. Monk. Des. 85,883; Dec. 29.
Casing, Retainer. W. A. Lurie. 1,835,793; Dec. 8.
Casing, Scale. F. C. C. Vogel. Des. 83,138; Jan. 20.
Casing slip. F. J. O'Brien. 1,820,479; Aug. 25.
Casing slip. F. J. O'Brien. 1,838,439; Dec. 29.
Casing spear, Hollow. W. H. Vreeland. 1,805,535; May 19.
Casing structure for electrical appliances. P. K. Cramblet. 1,805,277; May 12.
Casing, Tape-reel. J. M. Schermerhorn. 1,799,125; Mar. 31.
Casing, Traffic signal. C. Adler, jr. Des. 84,725; July 28.
Casing, Vacuum-cleaner. B. J. Tamarin. Des. 83,767; Mar. 24.

Casing, Vapor proof switch. E. L. Buker. 1,818,038; Aug. 11.
Casing, Vending machine. E. Kanter. Des. 85,243; Sept. 29.
Casing, Vending-machine. C. F. Kurtz. Des. 83,112; Jan. 20.
Casing, Vending machine. L. Steiner and A. Gambino. Des. 84,766; July 28.
Casing, Washing machine. A. Partlow. 1,802,393; Apr. 28.
Casing, Washing machine. J. Stanitz. Des. 84,061; Apr. 28.
Casing, Weighing machine. B. B. Rochestie. Des. 84,259–60; May 26.
Casing, Weighing-machine. D. C. Rockola. Des. 83,414; Feb. 17.
Casing, Weighing machine. D. C. Rockola. Des. 85,546; Nov. 10.
Casing, Weighing scale. L. D. Chambers. Des. 84,516; June 30.
Casing, Weighing scale. A. Rohn. Des. 83,993; Apr. 21.
Casing, Well. J. N. Johnson and L. A. Butterfield. 1,834,784; Dec. 1.
Casings, Apparatus for shaping flat-built. A. O. Abbott, jr. 1,796,181; Mar. 10.
Casings, Making reenforced drill pipe. A. H. Pascoe. 1,827,437; Oct. 13.
Casings, Method and apparatus for sealing well. J. F. Saye. 1,801,983; Apr. 21.
Casket. G. B. Markle, jr. Des. 84,707; July 21.
Casket, Burial. A. G. Harms. 1,800,793; Apr. 14.
Casket, Burial. A. G. Harms. 1,803,470; May 5.
Casket, Burial. A. G. Harms. 1,831,108; Nov. 10.
Casket, Burial. W. Ostwald. Des. 84,842–4; Aug. 11.
Casket, Burial. J. D. Renshler. 1,804,276; May 5.
Casket, Burial. S. H. and J. H. Williams. 1,807,610; June 2.
Casket construction. D. C. Leitch and C. W. Hamilton. 1,821,760; Sept. 1.
Casket handle. S. Junkunc. 1,796,373; Mar. 17.
Casket handling device. D. M. Gibbons. 1,801,914; Apr. 21.
Casket lowering apparatus. W. A. Canaday. 1,828,391; Oct. 20.
Casket lowering apparatus. H. E. Rosenkranz. 1,826,898; Oct. 13.
Casket, Traveler's toilet. A. Holter. 1,795,396; Mar. 10.
Caskets, Concealing and carrying means for burial. E. A. Wollitz. 1,833,547; Nov. 24.
Casserole and cover or similar article, Combined. S. Forman. Des. 83,251; Feb. 10.
Casserole and tray, Combined. H. H. Schott. Des. 83,131; Jan. 20.
Casserole or similar article. G. Wesp. Des. 84,866; Aug. 11.
Cast iron, Electric welding of. E. Lunn. 1,804,837; May 12.
Cast mold, Slug-. A. R. Camper. 1,800,169; Apr. 7.
Cast rotors, Apparatus for forming. C. E. Johnston. 1,793,854; Feb. 24.
Castellating machine. L. W. Moulton. 1,797,834; Mar. 24.
Caster. W. F. Herold. 1,815,062; July 21.
Caster. W. F. Herold. 1,836,246; Dec. 15.
Caster. W. F. Herold. 1,838,678; Dec. 29
Caster. W. G. Johnson. 1,821,642; Sept. 1.
Caster. W. G. Johnson. 1,829,862; Nov. 3.
Caster. J. Kemme. 1,827,240; Oct. 13.
Caster. R. A. Lackey. 1,823,657; Sept. 15
Caster. W. A. Matheson. 1,836,263; Dec. 15.
Caster. B. G. Nice. 1,191,833; Feb. 10.
Caster. A. R. Pribil. 1,793,827; Feb. 24.
Caster. G. M. Turner. 1,809,609; June 9.
Caster. P. C. A. Van Der Meer. 1,796,068; Mar. 10.
Caster, Adjustable. R. L. Lee. 1,810,971; June 23.
Caster, Adjustable swivel. G. A. Cleaveland. 1,835,144; Dec. 8.
Caster, Ball bearing. C. B. and W. H. Noelting. 1,804,639; May 12.
Caster, Ball-bearing spring. L. Green. 1,788,391; Jan. 13.
Caster construction. E. L. Goldsmith and W. H. Noelting. 1,830,996; Nov. 10.
Caster, Furniture. T. P. Duncan, jr. 1,818,211; Aug. 11.
Caster, Heavy-duty. W. G. Johnson. 1,791,448; Feb. 3.
Caster mounting means. F. Kusterle. 1,827,320; Oct. 13.
Caster, Rocking chair. D. E. Nelson. 1,834,345; Dec. 1.
Caster, Self adjusting. P. T. Harpine and G. W. Cooper. 1,834,617; Dec. 1.
Caster, slide, or the like, Compensating. W. F. Herold. Re17,950; Feb. 3.
Caster, Stereotype. O. W. Vandervelden. 1,796,349; Mar. 17.
Caster, Swivel. P. M. Nagy. 1,796,044; Mar. 10.
Caster, Swivel. E. H. Powers. 1,826,821; Oct. 13.
Caster testing device. H. D. Stevens. 1,811,285; June 23.
Casting. S. W. Avis. 1,833,347; Nov. 24.
Casting. W. G. Goodwin. 1,828,495; Oct. 20.
Casting. J. Le May. 1,838,417–18; Dec. 29.
Casting. D. H. Meloche. 1,789,943; Jan. 20.
Casting. E. R. Williams. 1,793,268; Feb. 17.
Casting and pattern therefor. C. Hankins. 1,803,551; May 5.
Casting apparatus. T. B. Barr. 1,817,340; Aug. 4.
Casting apparatus. M. C. Hutto. 1,811,937; June 30.
Casting apparatus. S. Junghans. 1,801,922; Apr. 21.
Casting apparatus. J. Le May. 1,834,101; Dec. 1.
Casting, Apparatus for centrifugal. F. G. Carrington. 1,796,645; Mar. 17.
Casting, Centrifugal. A. Keup. 1,807,536; May 26.
Casting, Centrifugal. L. B. Lindemuth. 1,831,310; Nov. 10.
Casting, Composite. I. Sugimura and K. Magarisawa. 1,819,722; Aug. 18.
Casting continuous polygonal bands. W. M. Carty. 1,819,942; Aug. 18.
Casting machine. L. C. Goad and F. D. Walsmith. 1,817,483; Aug. 4.
Casting machine. M. O. Held. 1,810,173; June 16.
Casting machine. J. Polak. Re18,202; Sept. 22.
Casting machine. L. G. Stecker. 1,809,289; June 9.
Casting machine, Centrifugal. J. A. Byers and M. C. Smotzer. 1,787,567; Jan. 6.
Casting machine, Centrifugal. R. P. Frist, jr. 1,805,168; May 12.
Casting machine, Centrifugal. J. B. Ladd. 1,809,631; June 9.
Casting machine, Centrifugal. W. H. Millspaugh. 1,802,613; Apr. 28.
Casting machine, Centrifugal. W. H. Millspaugh. 1,814,176; July 14.
Casting machine, Centrifugal. L. W. Saine. 1,790,060; Jan. 27.
Casting machine, Line. S. E. Sperry. 1,809,760; June 9.
Casting machine, Rotary. E. W. Smith. 1,816,059; July 28.
Casting machine, Stereotype-plate. H. A. W. Wood. 1,787,462; Jan. 6.
Casting machines, Tail shelf for stereotype plate. H. A. W. Wood. 1,809,955; June 16.
Casting machines, Wedge, knocker for. J. A. Byers and M. C. Smotzer. 1,795,635; Mar. 10.
Casting method, Centrifugal. W. H. Millspaugh. 1,828,335; Oct. 20.
Casting, Method of and apparatus for. W. N. Thode. 1,823,671; Sept. 15.
Casting mold. J. S. Thompson. 1,801,060; Apr. 14.
Casting or molding, Device useful in. H. S. Lee. 1,802,920; Apr. 28.
Casting reel. G. A. Johnson. 1,789,178; Jan. 13.
Casting ripper. F. Switzer. 1,789,993; Jan. 27.
Casting, Rotary. F. G. Carrington. 1,795,637; Mar. 10.
Casting, Striking. D. S. Barrows. 1,804,080–82; May 5.
Casting, Tail holding means for. H. A. W. Wood. 1,830,584; Nov. 3.
Castings, and handling and conditioning the molding sand therefor, Method of and apparatus for making. M. Sklovsky. 1,812,121; June 30.
Castings and the like, Cleaning. W. B. George. 1,797,981; Mar. 24.
Castings, Apparatus for making. J. H. Williams. 1,810,509; June 16.
Castings, Decreasing shrinkage in aluminum bronze. A. Pacz. 1,838,632; Dec. 29.
Castings free from pipes and blow holes, Production of. W. Rohn. 1,812,172; June 30.
Castings from sand and gates, Apparatus for freeing. W. C. Speck and E. Barker. 1,807,181; May 26.
Castings, Method and apparatus for manufacturing. J. E. Wright. 1,813,721; July 7.
Castings of magnesium and high grade magnesium alloys, Producing. A. L. Mond. 1,825,242; Sept. 29.
Castings of white casting iron, Graphitizing. A. Hayes. 1,801,742; Apr. 21.
Castor-oil condensation product and making the same, Destructively-distilled. E. C. Holton. 1,799,420; Apr. 7.
Catalyst. P. Askenasy and O. Merkel. 1,829,848; Nov. 3.
Catalyst for chemical reactions. A. Pfannenstiel and H. Kautsky. 1,814,493; July 14.
Catalysts. K. Marx, H. Behncke, and K. Brodensen. 1,830,705; Nov. 3.
Catalysts and making same. J. P. P. Mayor. 1,832,569; Nov. 17.
Catalysts for the oxydation of oxidizable gases in admixture with air or oxygen, Manufacture of materials of the nature of. B. Lambert. 1,814,515; July 14.
Catalysts, Production of. L. Andrussow and F. Duerr. 1,813,478; July 7.
Catalysts, Regeneration of. A. Joseph. 1,832,217; Nov. 17.
Catalytic apparatus. I. Hechenbleikner and N. Titlestad. 1,836,166; Dec. 15.
Catalytic apparatus. A. O. Jaeger. 1,812,341; June 30.
Catalytic apparatus. A. O. Jaeger. 1,826,548; Oct. 6.
Catalytic apparatus. J. M. Selden. 1,810,147; June 16.
Catalytic apparatus. L. A. Stengel. 1,803,306; Apr. 28.
Catalytic combustion by means of refractories. G. H. Wyckoff. 1,820,876; Aug. 25.
Catalytic esterification. A. O. Jaeger. 1,819,818; Aug. 18.
Catalytic mixer. D. Balachowsky, P. Caire, and M. Lévy. 1,834,818; Dec. 1.
Catalytic process. H. Rötger and F. Stoewener. 1,828,380; Oct. 20.
Catalytic process of hydrogenating and dehydrogenating carbon compounds. W. A. Lazier. 1,829,046; Oct. 27.
Catalytic reactions, Effecting. R. Williams. Re18,302; Dec. 29.
Catalytic reactions, Effecting. R. Williams. 1,820,417; Aug. 25.

Catalytic reactions, Process and apparatus for. L. Gillett. 1,809,114; June 9.
Catamenial sack. I. F. Brisache. 1,799,147; Apr. 7.
Catamenial sack. A. F. Hoff. 1,793,614; Feb. 24.
Catapult. R. J. Wismer. 1,838,243; Dec. 29.
Catapulting device. C. W. King. 1,816,288; July 28.
Catch-all and entrainment separator. D. M. Flick. 1,791,304; Feb. 3.
Catch, Door. G. R. Adams. 1,795,590; Mar. 10
Catch, Door. W. D. Ferris. 1,809,406; June 9.
Catch for doors, Push. T. F. Stuart and H. A. Moore. 1,805,789; May 19.
Catch for doors, Push. T. F. Stuart and H. A. Moore. 1,830,490; Nov. 3.
Catch for elevator entrances, Safety guard. C. Hermansen. 1,787,748; Jan. 6.
Catch for foot pedals, Locking. B. G. Buss. 1,822,198; Sept. 8.
Catch for motor vehicle hoods. W. R. Wiley. 1,815,690; July 21.
Catch for motor vehicles, Hood. G. A. Dewbery. 1,817,241; Aug. 4.
Catch for plumbing-fixture waste stems. R. H. Zinkil and O. C. Osterhage. 1,797,563; Mar. 24.
Catch for windows and the like, Safety. A. J. Drapeau. 1,812,288; June 30.
Catch for windows, Cross rail spring. J. Polachek, J. A. Jepsen, and E. Peremi. 1,808,607; June 2.
Catch, Hood. R. G. Moore. 1,805,496; May 19.
Catch, Hood. R. G. Moore. 1,822,164–5; Sept. 8.
Catch, Hood. R. G. Moore. 1,836,544; Dec. 15.
Catch, Hood. F. P. Sargent. 1,806,649; May 26.
Catch, Hood. J. F. Wilson. 1,798,921; Mar. 31.
Catch means for vanity cases. J. L. McAtree. 1,788,399; Jan. 13.
Catch mechanism, Safety-. W. C. De Roo. 1,799,358; Apr. 7.
Catch, Safety door. S. E. Steventon and D. H. Wiggs. 1,812,762; June 30.
Catch, Screen door. D. M. Woods. 1,808,394; June 2.
Catch, Spring door. G. S. Cooper. 1,827,810; Oct. 20.
Catch, Window screen. E. D. Arthur. 1,834,371; Dec. 1.
Catcher and yarn cleaner, Slub. G. A. Metcalf and J. D. Bruce. 1,833,054; Nov. 24.
Catcher for swab plungers. N. H. Ricker. 1,815,364; July 21.
Catcher, Rivet. C. D. Henderson. 1,837,045; Dec. 15.
Catcher, Slub. J. O. McKean. 1,804,019; May 5.
Catching device for cloth laying machines. C. C. Schneider. 1,822,908; Sept. 15.
Cathead, Safety. C. R. Edwards. 1,808,770; June 9.
Cathode. H. S. Cooper and M. D. Sarbey. 1,830,825; Nov. 10.
Cathode. E. A. Lederer. 1,813,704; July 7.
Cathode and forming same, Electron emitting. F. S. McCullough. 1,826,011; Oct. 6.
Cathode and making the same. A. Gehrts and H. Kolligs. 1,830,162; Nov. 3.
Cathode device, Hot. F. S. McCullough. 1,806,108; May 19.
Cathode for electric discharge tubes, Incandescent. A. E. van Arkel and J. Bruijnes. 1,794,810; Mar. 3.
Cathode for rotary flame arcs. G. Cautier, L. Le Bozec, and R. Dubois. 1,793,605; Feb. 24.
Cathode for thermionic devices. A. M. Nicolson. 1,823,984; Sept. 22.
Cathode, High election emissive. R. E. Miesse. 1,822,359; Sept. 8.
Cathode, Inductively heated. R. E. Hellmund. 1,836,966; Dec. 15.
Cathode ray device. W. J. Hitchcock. 1,814,805; July 14.
Cathode ray oscillograph. D. E. Howes. 1,810,018; June 16.
Cathode structure. F. S. McCullough. 1,814,759; July 14.
Cathode system for vacuum tubes. S. Ballantine. 1,834,443; Dec. 1.
Cathode, Thermionic. A. Just. 1,794,298; Feb. 24.
Cathode triode tube, Inductively-heated. J. Slepian. 1,799,992; Apr. 7.
Cathodes, Coating thermionic. J. R. Wilson and C. M. Blackburn. 1,809,095; June 9.
Cathodes for electrolytic refining of copper and other metals, Starting. W. F. Eppensteiner and W. F. Eppensteiner. 1,836,368; Dec. 15.
Cathodes, Making. H. T. Reeve. 1,809,067; June 9.
Cattle holding and dehorning gate. A. C. Thompson. 1,799,073; Mar. 31.
Caustic bath. M. W. Ward. 1,829,693; Oct. 27.
Causticizing. J. S. Bates, H. S. Chalmers, and P. C. Austin. 1,815,646; July 21.
Cavities of the animal and human body, Device for giving access to. J. Deutsch. 1,810,466; June 16.
Ceiling and floor lock unit partition. F. F. Burgen. 1,803,168; Apr. 28.
Ceiling construction. F. M. Venzie. 1,816,450; July 28.
Ceiling, floor, and roof construction. R. Murray. 1,821,355; Sept. 1.
Ceiling, Marquise. W. O. Prouty. Des. 85,395; Oct. 20.
Ceiling or partition panels, Correlating means for. F. S. Robinson. 1,791,639; Feb. 10.
Ceiling slab. M. S. Goldsmith. 1,814,144; July 14.
Ceiling structure, Sectional fireproof. W. H. Wilson. 1,818,443; Aug. 11.
Ceiling supporting strap. R. E. Kelley. 1,804,420; May 12.
Ceiling, Suspended. W. E. White. 1,838,123; Dec. 29.
Cellar drain. L. Cakmo. 1,795,833; Mar. 10.
Cell reproducing apparatus, Multiple. F. H. Owens. 1,835,423; Dec. 8.
Cellular fillers, Flat and cushion for. L. Oxhandler. 1,803,128; Apr. 28.
Cellular material for safety garments. S. de Faveri. 1,812,936; July 7.
Celluloid and the like, Shaping sheets of. J. N. Whitehouse. 1,821,413; Sept. 1.
Celluloid and the like, Treating articles of. S. A. Neidich. 1,792,654; Feb. 17.
Celluloid like masses, Manufacturing. M. J. Theumann. 1,818,108; Aug. 11.
Celluloid substitute, Manufacturing. M. Sugata. 1,797,806; Mar. 24.
Cellulose according to the sulphite method, Manufacturing. T. E. Waenerlund. 1,809,499; June 9.
Cellulose acetate, Apparatus for producing. J. Altweg. 1,792,059; Feb. 10.
Cellulose acetate composition. A. F. Sulzer. 1,826,681; Oct. 6.
Cellulose acetate, Dyeing or coloration of. G. H. Ellis. 1,793,360; Feb. 17.
Cellulose acetate, Dyeing or coloring. G. H. Ellis. 1,829,130; Oct. 27.
Cellulose acetate, Dyeing or coloring of products made with. G. H. Ellis. 1,818,541; Aug. 11.
Cellulose acetate from acetic acid solutions thereof, Recovery of. H. T. Clarke. 1,823,348; Sept. 15.
Cellulose acetate, Hydrolysis of. C. S. Webber and C. J. Staud. 1,826,335; Oct. 6.
Cellulose acetate, Lowering the viscosity of. L. E. Branchen and C. U. Prachel. 1,831,795; Nov. 10.
Cellulose acetate, Making. H. L. Gray. 1,823,359; Sept. 15.
Cellulose acetate, Manufacture of. L. M. Burghart. 1,816,564; July 28.
Cellulose acetate, Manufacture of. L. M. Burghart. 1,822,563; Sept. 8.
Cellulose acetate, Manufacture of. H. Dreyfus. 1,829,822; Nov. 3.
Cellulose acetate method of laminating. L. Bartelstone. 1,835,747; Dec. 8.
Cellulose acetate or products made therewith, Dyeing, printing, or stenciling of. G. H. Ellis. 1,803,008; Apr. 28.
Cellulose acetates, Changing the solubility of. C. J. Staud and C. S. Webber. 1,813,685; July 7.
Cellulose and especially of sulphite cellulose a waste liquor containing a high percentage of organic matters, Producing at the cooking of. G. Haglund. 1,791,476; Feb. 3.
Cellulose and hydrocarbons from sugar cane sprouts and refuse and burnt and frozen cane, Production of. E. J. Frank. 1,832,375; Nov. 17.
Cellulose and making the same, Pigmented or colored soluble. E. De Stubner. 1,795,764; Mar. 10.
Cellulose and product resulting therefrom, Treatment of. S. E. Seaman. 1,822,174; Sept. 8.
Cellulose and the products resulting therefrom, Esterification of. C. J. Staud and R. H. Van Dyke. 1,836,689; Dec. 15.
Cellulose, Benzoylation of. C. S. Webber and C. J. Staud. 1,831,274; Nov. 10.
Cellulose composition and making molded products therefrom. F. H. Smyser. 1,792,254; Feb. 10.
Cellulose composition of low inflammability, Derivative of. C. Dreyfus. 1,838,078; Dec. 22.
Cellulose conversion products and making. L. Lilienfeld. 1,804,354; May 5.
Cellulose cooking. G. Haglund. Re18,200; Sept. 22.
Cellulose, Cooking sulphite. S. I. Tschuwikowsky and G. I. Liachovetzky. 1,793,264; Feb. 17.
Cellulose derivative compositions. W. E. Lawson. 1,824,961; Sept. 29.
Cellulose derivative manufacture. M. O. Schur and R. A. Webber. 1,806,421; May 19.
Cellulose derivatives, Amino. M. Hagedorn and A. Ossenbrunner. 1,833,286; Nov. 24.
Cellulose derivatives and making same. R. Haller and A. Heckendorn. 1,838,038; Dec. 22.
Cellulose derivatives, Dyeing of. R. Clavel. 1,811,576; June 23.
Cellulose derivatives of products made therewith, Treatment of. R. Clavel. 1,806,043; May 19.
Cellulose derivatives or products made therewith, Treatment of. H. Dreyfus. 1,805,467–8; May 19.
Cellulose derivatives, Solution of. J. G. Davidson. 1,791,301; Feb. 3.
Cellulose digesters and means therefor, Charging. P. A. Fresk. 1,802,644; Apr. 28.
Cellulose ester composition. H. T. Clarke. 1,809,234; June 9.
Cellulose ester plastic bodies and the product thereof, Making mottled. D. D. Payne. 1,789,081; Jan. 13.
Cellulose esters, Dyeing organic. W. Hentrich. 1,827,150; Oct. 13.
Cellulose esters of lower fatty acids, Preparing. M. Hagedorn, and O. Reichert. 1,832,381; Nov. 17.
Cellulose esters or ethers and producing the dyeings, Dyed. W. Eckert and C. E. Müller. 1,836,529; Dec. 15.

Cellulose esters, Production of. H. Dreyfus. 1,831,102; Nov. 10.
Cellulose, Etherifying. F. C. Hahn. 1,819,600; Aug. 18.
Cellulose, Etherifying. E. Huber. 1,805,365; May 12.
Cellulose ethers, Reducing the viscosity characteristics of. A. Ascherl and W. Gruber. 1,834,040; Dec. 1.
Cellulose esters and cellulose ethers, Dissolving. M. Ow-Esslingen. 1,794,066; Feb. 24.
Cellulose esters and ethers, Coloring. M. J. Theumann. 1,789,121–2; Jan. 13.
Cellulose esters, Dyeing and printing. G. de Niederhäusern. 1,816,766; July 28.
Cellulose esters, Purification of. F. Olsen. 1,798,270; Mar. 31.
Cellulose ethers, Making. P. C. Seel, W. R. Webb, and J. M. Donohue. 1,813,665; July 7.
Cellulose ethers, Purifying. E. Dörr and O. Leuchs. 1,814,208; July 14.
Cellulose, Ethylation of. D. B. Bradner. 1,813,726; July 7.
Cellulose fiber and process of making, Low viscosity. G. A. Richter. 1,831,197; Nov. 10.
Cellulose fiber and producing same, High alpha. G. A. Richter. 1,802,575; Apr. 28.
Cellulose fiber, Bleaching. E. Opfermann. 1,801,876; Apr. 21.
Cellulose fiber for preparation of esters and process of producing same. G. A. Richter. 1,821,321; Sept. 1.
Cellulose fiber, Manufacture of high alpha. G. A. Richter and M. O. Schur. 1,801,782; Apr. 21.
Cellulose fiber, Production of high-alpha. G. A. Richter. 1,790,170; Jan. 27.
Cellulose-fiber products, Felted-. G. L. Schwartz. 1,791,248; Feb. 3.
Cellulose fiber, Purification of. G. A. Richter. 1,829,110; Oct. 27.
Cellulose fibres, fabrics and articles. C. Dreyfus and H. Platt. 1,806,948; May 19.
Cellulose for changing its activity toward dyestuffs, Treatment of. P. Karrer. 1,836,254; Dec. 15.
Cellulose from cotton seed mills, Deriving high-grade. B. Dorner. 1,789,354; Jan. 20.
Cellulose from lignified material, Producing. R. B. Wolf, R. P. Hill, and R. S. Hatch. 1,804,967; May 12.
Cellulose from straw, Manufacture of. E. R. Darling. 1,829,852; Nov. 3.
Cellulose, Manufacture of. A. E. Mielsen. 1,816,739; July 28.
Cellulose, Manufacture of. K. Ott and H. Schussler. 1,806,703; May 26.
Cellulose, Manufacturing. J. J. de La Roza, sr. 1,825,655; Oct. 6.
Cellulose material from musa fibers, Manufacture of. E. C. I. Worden. 1,814,106; July 14.
Cellulose material, suitable for paper manufacturing, from plant raw material with pith fiber, Preparing and separating the. H. Kumagawa and K. Shimomura. 1,818,897; Aug. 11.
Cellulose materials, Dyeing of regenerated. R. Brightman. 1,789,134; Jan. 13.
Cellulose materials, Dyeing regenerated. H. Jordan. 1,824,273; Sept. 22.
Cellulose materials, Treatment of. A. Thiriet. 1,829,378; Oct. 27.
Cellulose nitro acetate, Making. L. Lock. 1,817,994; Aug. 11.
Cellulose nitroacetate, Preparing. W. Walter and L. Lock. 1,819,397; Aug. 18.
Cellulose, Plastics and soluble derivatives of. H. W. Matheson. 1,815,655; July 21.
Cellulose, Producing. B. N. Segerfelt. 1,828,511; Oct. 20.
Cellulose, Producing acetyl. S. I. Vles and L. de Hoop. 1,794,126; Feb. 24.
Cellulose, Production of. E. Hagglund. 1,792,009; Feb. 10.
Cellulose, Production of fast tints on acetyl. W. Jaeck and J. Lang. 1,796,028–9; Mar. 10.
Cellulose propionate and making the same. C. Dreyfus and G. Schneider. 1,824,877; Sept. 29.
Cellulose pulp, Preparation of alpha. C. A. Blodgett and H. H. Hanson. 1,831,435; Nov. 10.
Cellulose pulp, Preparing. R. B. Wolf, R. P. Hill, and R. S. Hatch. 1,788,55; Jan. 13.
Cellulose pulp, Refining raw. G. A. Richter. 1,816,343; July 28.
Cellulose pulps, Chemical processing of. G. A. Richter. 1,813,465; July 7.
Cellulose sheet. M. Gentile. 1,832,978; Nov. 24.
Cellulose solutions, Treatment of. C. E. Hetzel. 1,807,036; May 26.
Cellulose, Treatment of esters of. H. M. Spencer. 1,797,843; Mar. 24.
Cellulose, Treatment of products of or containing acetyl. G. H. Ellis and E. Greenhalgh. 1,792,152; Feb. 10.
Cellulose xanthate, Apparatus for the preparation of. M. Dassonville. 1,834,605; Dec. 1.
Cellulosic composition of matter containing acetoxime. S. J. Carroll. 1,813,660; July 7.
Cellulosic composition of matter containing iodo-benzene. S. J. Carroll. 1,813,662; July 7.
Cellulosic composition of matter containing iso-propyl-bromide. S. J. Carroll. 1,813,661; July 7.
Cellulosic material. A. W. Schorger. 1,829,763; Nov. 3.
Cellulosic material and composition for use therein, Fireproofing. F. S. Vivas. . 1,839,135; Dec. 29.
Cellulosic material and making the same. O. Jaeck and F. Schütz. 1,812,790; June 30.
Cellulosic material, Treating. B. Dorner. 1,819,152; Aug. 18.
Cellulosic materials, Grinding of. H. Langwell. 1,823,691; Sept. 15.
Cellulosic materials, Processing of raw. G. A. Richter. 1,787,953–4; Jan. 6.
Cellulosic materials, Treatment of. C. A. Blodgett and H. H. Hanson. 1,822,125; Sept. 8.
Cellulosic materials with vapors of lower fatty acids, Esterifying. H. T. Clarke and C. J. Malm. 1,823,350; Sept. 15.
Cellulosic substances, Hydrolysis of. J. Lefranc. 1,831,419; Nov. 10.
Cement. T. M. Caven. 1,791,591; Feb. 10.
Cement and making the same, Self-hardening bituminous. D. Finley. 1,813,992; July 14.
Cement and producing the same, Portland. E. W. Reed-Lewis. 1,805,104; May 12.
Cement and the like, Employment of. G. N. White. 1,824,854; Sept. 29.
Cement and the like, Manufacture of. A. C. Davis. 1,819,739; Aug. 18.
Cement, Apparatus for making. H. Vanderwerp. 1,826,847; Oct. 13.
Cement applying machine. W. V. Neal. 1,815,480; July 21.
Cement applying machine. H. R. Polleys. 1,804,480; May 12.
Cement, Basing. C. C. Van Voorhis. 1,795,746; Mar. 10.
Cement blocks, Apparatus for molding. E. J. Garvin. 1,829,795; Nov. 3.
Cement charger. G. O. Harm. 1,820,910; Sept. 1.
Cement, Chlorine-treated. H. M. Olson. 1,792,755; Feb. 17.
Cement composition. P. Zucco. 1,803,582; May 5.
Cement, conirete and mortar, Hydraulid. C. A. Newhall. 1,802,667; Apr. 28.
Cement, Dry process for the manufacture of. M. Vogel-Jorgensen. 1,798,423; Mar. 31.
Cement for floor covering compositions. H. A. Gardner. 1,831,707; Nov. 10.
Cement head for oil wells. B. S. Minor. 1,817,201; Aug. 4.
Cement, High-temperature. A. Hutchinson. 1,787,625; Jan. 6.
Cement, Making porous. E. Walter. 1,829,381; Oct. 27.
Cement, Making Portland. R. D. Cheesman. 1,802,196; Apr. 21.
Cement, Making Portland. A. C. Eichenlaub and H. G. Loeffler. 1,832,192; Nov. 17.
Cement, Manufacturing colored Portland. G. Bergen, F. Engelhardt, and R. Steckhan. 1,829,082; Oct. 27.
Cement, Manufacture of. O. Nickel and R. Markwitz. 1,834,799; Dec. 1.
Cement, Manufacturing porous material from Portland. J. A. Eriksson. 1,819,018; Aug. 18.
Cement, Manufacturing Portland. J. H. Colton. 1,791,800; Feb. 10.
Cement material to kilns, Feeding. P. T. Lindhard. 1,793,499; Feb. 24.
Cement, Metal. W. R. Chapin. 1,793,156–7; Feb. 17.
Cement, Method and apparatus for burning Portland. E. Anderson. 1,828,270; Oct. 20.
Cement-modifying composition, Portland-. M. Toch. 1,793,143; Feb. 17.
Cement objects having polished and translucent surfaces. S. Séailles, née Calogeropoulos and J. Séailles. 1,789,197; Jan. 13.
Cement of a high grade strength, Special mixed. S. Nagai and K. Kawamura. 1,821,565; Sept. 1.
Cement or like material in bulk, Apparatus for handling. M. Kind. 1,822,530; Sept. 8.
Cement packing machine, Automatic. W. R. Peterson. 1,818,091; Aug. 11.
Cement pipe. A. T. Reid. 1,829,491; Oct. 27.
Cement, Portland. A. Lundteigen and G. O. Gardner. 1,794,526; Mar. 3.
Cement, Producing. R. C. Newhouse. 1,834,963; Dec. 8.
Cement, Radiator. G. A. Colberg, J. D. Harrison, and J. Winterberger. 1,808,637; June 2.
Cement raw material, Apparatus for heating. D. J. Uhle and M. E. Grunewald. 1,801,467; Apr. 21.
Cement waterproofing solution. S. C. Bennett. 1,791,704; Feb. 10.
Cement with high resistance, Quick hardening. P. Cadré. 1,831,702; Nov. 10.
Cementing and floating device for well casings. R. C. Baker. 1,823,312; Sept. 15.
Cementing device for splicing tubes. C. E. Maynard. 1,800,462; Apr. 14.
Cementing head. J. W. MacClatchie. 1,822,444; Sept. 8.
Cementing machine. A. Andersson. 1,794,353; Feb. 24.
Cementing machine. C. H. Bowlen. 1,814,430; July 14.
Cementing machine. J. W. Cosgrove. 1,800,510; Apr. 14.
Cementing machine. J. W. Cosgrove. 1,822,014; Sept. 8.
Cementing machine. J. W. Cosgrove. 1,831,904; Nov. 17.
Cementing machine. H. A. Evans. 1,837,032; Dec. 15.
Cementing machine. I. L. Keith. 1,838,099; Dec. 29.
Cementing machine. F. D. Kinney. 1,807,663; June 2.
Cementing machine. H. R. Polleys. 1,831,543; Nov. 10.
Cementing machine. A. W. Smith. 1,838,118; Dec. 29.

Cementing machine, Foxing. F. D. Kinney. 1,833,115; Nov. 24.
Cementing or lining compositions, Preparing acid-proof. K. Frank and K. Dietz. 1,818,888; Aug. 11.
Cementitious bodies, Apparatus for forming. R. Waggoner. 1,828,914; Oct. 27.
Cements, Improving the properties of Portland. E. Reubke. 1,791,684; Feb. 10.
Cemeteries, Accessory for. A. Tulinski. 1,830,629; Nov. 3.
Center for rotary speed indicators and the like, Adjustable. B. L. Metzger. 1,813,065; July 7.
Center tester. J. H. Jacobs. 1,805,285; May 12.
Centering lock, Outboard-motor. H. J. Hillborn. 1,790,863; Feb. 3.
Centering machine, Treadle operated. J. J. Thacher. 1,816,410; July 28.
Centrifugal apparatus. E. Knüttel. 1,815,409; July 21.
Centrifugal apparatus for purifying oil. W. Schwerdtfeger. 1,811,157; June 23.
Centrifugal drier. C. O. Lavett. 1,795,495; Mar. 10.
Centrifugal drier. C. A. Olcott. 1,795,179; Mar. 3.
Centrifugal extractor. T. A. Bryson and F. I. Williams. Re18,174; Sept. 1.
Centrifugal extractor. G. E. Ditzler. 1,834,829; Dec. 1.
Centrifugal extractor. E. J. Perry. 1,791,536; Feb. 10.
Centrifugal machine. L. D. Jones. 1,824,722–3; Sept. 22.
Centrifugal machine. J. J. Munson. 1,794,792; Mar. 3.
Centrifugal machine. C. Shapley. 1,828,548; Oct. 20.
Centrifugal machine. H. H. Stephens and J. L. Haring. 1,815,934; July 28.
Centrifugal machines, Seal tightening for. G. Stauber. 1,791,849; Feb. 10.
Centrifugal process and apparatus. L. P. Sharples. 1,829,547; Oct. 27.
Centrifugal process and mechanism. T. A. Bryson. 1,828,096; Oct. 20.
Centrifugal separator. F. Dupuis. 1,806,241; May 19.
Centrifugal separator. O. G. Pardo and S. D. Fernandez. 1,804,108; May 5.
Centrifugal separator. E. W. Thiele. 1,817,593; Aug. 4.
Centrifugal separator. E. van der Molen. 1,827,681; Oct. 13.
Centrifugal separator. G. W. Watts. 1,825,377; Sept. 29.
Centrifugal separator. J. H. Webb. 1,832,269; Nov. 17.
Centrifugal switch. J. F. Adams and T. T. Allen. 1,809,816; June 16.
Centrifugal switch. W. Moser. 1,802,731; Apr. 28.
Centrifugal switch. G. E. Smith. 1,790,330; Jan. 27.
Centrifugal switch, Vibrator-type. O. Böhm and W. Moser. 1,790,337; Jan. 27.
Centrifuge. G. H. Andersson and S. A. B. Dahlgren. 1,821,607; Sept. 1.
Ceramic. S. M. Phelps. 1,832,913; Nov. 24.
Ceramic composition. T. S. Curtis. 1,838,809; Dec. 29.
Ceramic composition, High strength. T. S. Curtis. 1,827,838; Oct. 20.
Ceramic compositions, Making. T. S. Curtis. 1,834,515; Dec. 1.
Ceramic compositions of feeble plasticity and product resulting therefrom, Plasticizing process for. T. S. Curtis. 1,838,810; Dec. 29.
Ceramic furnace. J. A. Dedouch. 1,811,307; June 23.
Ceramic machine. E. R. Martin, H. C. Byland, C. Baldenhofer, and F. L. Gremesher. 1,796,570; Mar. 17.
Ceramic material, Unit formed partially of fired. L. G. Copeman. 1,822,013; Sept. 8.
Ceramic vessel and producing the same. W. I. Tycer. 1,814,870; July 14.
Ceramic vessels, Producing. M. Hauser. 1,790,918; Feb. 3.
Ceramic ware, Apparatus for treating. F. M. Hartford, 1,799,980; Apr. 7.
Cereals and the like, Removing the moldy smell and taste of tainted. E. von Horvath and P. Vielwerth. 1,811,869; June 30.
Certificate or coupon sheet for use in statistic machines. K. Muth. 1,836,332; Dec. 15.
Chain. K. C. Augenstein. 1,796,355; Mar. 17.
Chain. J. D. and C. W. Austin. 1,793,452; Feb. 24.
Chain. P. Bellavance. 1,788,974; Jan. 13.
Chain. C. H. Mason. 1,792,996; Feb. 17.
Chain. N. T. Nelson. 1,799,475; Apr. 7.
Chain. N. K. Panzireff. 1,809,145; June 9.
Chain. E. Prestinari. 1,795,039; Mar. 3.
Chain. E. F. M. Speidel. Re18,141; July 28.
Chain. E. F. M. Speidel. Des. 83,579; Mar. 3.
Chain. E. F. M. Speidel. 1,788,552; Jan. 13.
Chain accessory, Automobile. A. E. Gillet. 1,822,343; Sept. 8.
Chain adjuster, Tire-. O. Lee. 1,800,147; Apr. 7.
Chain-adjusting device. F. C. Thompson. 1,795,908; Mar. 10.
Chain and manufacturing the same. C. P. Kuehnel. 1,793,099; Feb. 17.
Chain and sprocket construction. J. A. Alger. 1,790,297; Jan. 27.
Chain, Antiskid. J. P. Gorman. 1,834,487; Dec. 1.
Chain, Antiskid. F. H. Lewis. 1,814,716; July 14.
Chain, Antiskid. J. L. Lynch. 1,818,919; Aug. 11.
Chain, Antiskid. J. L. Mahan. 1,803,027; Apr. 28.
Chain, Antiskid. E. Y. Schaeffer. 1,817,586; Aug. 4.
Chain, Antiskid. J. Senft. 1,814,639; July 14.
Chain, Antiskid. H. Vadeboncoeur. 1,819,930; Aug. 18.
Chain, Antiskid tire. H. D. Weed. 1,813,718; July 7.
Chain, Apparatus for making. R. W. Dull. 1,796,592; Mar. 17.
Chain, Apparatus for making. S. D. Locke. 1,810,716; June 16.
Chain applying and removing equipment. A. G. Nelsen. 1,818,004; Aug. 11.
Chain, Automobile. K. R. Garner. 1,826,279; Oct. 6.
Chain, Automobile tire. A. L. Drager. 1,818,794; Aug. 11.
Chain, Band. E. Prestinari. 1,795,038; Mar. 3.
Chain, Bracelet. M. Anderson. 1,833,013; Nov. 24.
Chain, Bracelet. G. U. Meyer. Des. 84,357; June 9.
Chain case. W. L. Ecabert. 1,788,992; Jan. 13.
Chain clamp. E. Kessler and C. H. James. 1,817,628; Aug. 4.
Chain clip. T. S. McDowell. 1,796,607; Mar. 17.
Chain connecter. S. Fischer. 1,829,857; Nov. 3.
Chain connecter. W. G. and O. R. Humphreys. 1,836,169; Dec. 15.
Chain connecter. W. J. Roy. 1,793,511; Feb. 24.
Chain construction. E. Linhart. 1,797,352; Mar. 24.
Chain, Conveyer. W. V. Hoefen. 1,826,351; Oct. 6.
Chain conveyer. G. E. Rowe. 1,805,430; May 12.
Chain, Conveying. J. S. Da Costa. 1,788,454; Jan. 13.
Chain cross member, Tire. P. Sagen. 1,803,563; May 5.
Chain cutter for sewing machines. F. Lutz. 1,802,212; Apr. 21.
Chain cutter for sewing machines. F. Lutz. 1,807,539; May 26.
Chain, Drive. F. L. Morse. 1,811,207; June 23.
Chain drive control for scraper bowls. W. J. Adams. 1,813,011; July 7.
Chain, Driving. G. H. Tremolieres. 1,791,984; Feb. 10.
Chain, Easy-applying auto. J. O. Hunter. 1,801,159; Apr. 14.
Chain fastening means, Tire. R. Hatfield. 1,812,697; June 30.
Chain, Flexible. K. Fassnacht and R. Gloss. 1,822,393; Sept. 8.
Chain, Flexible. K. Fassnacht and R. Gloss. 1,831,951; Nov. 17.
Chain for automobile tire chains, Cross. R. E. Anchors. 1,838,127; Dec. 29.
Chain for tentering machines, Clip. P. Edlich. 1,800,515; Apr. 14.
Chain for timber in combination with a tightening device and key. K. R. A. Nylen. 1,809,420; June 9.
Chain for tractor, Tread. O. L. Gilliland. 1,791,306; Feb. 3.
Chain for vehicle wheel tires, Antiskid. C. J. Burkley. 1,788,857; Jan. 13.
Chain for vehicles, Traction. H. Madison. 1,835,659; Dec. 8.
Chain hook. G. Johnson. 1,817,825; Aug. 4.
Chain hook. F. Netz. 1,818,813; Aug. 11.
Chain, Hookless. F. L. Warner. 1,835,359; Dec. 8.
Chain, Indicator door. J. H. Shaw. 1,799,258; Apr. 7.
Chain jack. F. W. Coffing. 1,820,894; Aug. 25.
Chain link. L. A. Paradise. 1,834,173; Dec. 1.
Chain link for efficient engagement with power pulleys. S. J. Bens. 1,830,083; Nov. 3.
Chain links, Making. R. E. Waldron. 1,838,025; Dec. 22.
Chain lock. C. L. Johnson. 1,788,396; Jan. 13.
Chain making machine. J. L. Hogberg and J. A. Granskog. 1,835,598; Dec. 8.
Chain making machine. C. Parker. 1,810,724; June 16.
Chain manufacture. R. W. Dull. 1,796,593; Mar. 17.
Chain manufacture. F. L. Morse. 1,828,506; Oct. 20.
Chain manufacture, Apparatus for. R. W. Dull. 1,796,954; Mar. 17.
Chain, Manufacture of wire. R. Wirth and W. Bittrolf. 1,818,111; Aug. 11.
Chain, Nonskid. P. M. Hall and W. Remington. 1,788,486; Jan. 13.
Chain, Nonskid. J. Schmalzl. 1,836,286; Dec. 15.
Chain, Nonskid tire. J. A. Stueckle. 1,810,191; June 16.
Chain or belt tightener, Automatic. E. J. Opie. 1,815,954; July 28.
Chain or cable jack. E. Pierce. 1,823,760; Sept. 15.
Chain or similar article, Neck. W. M. Miller. Des. 84,046; Apr. 28.
Chain, Ornamental. P. Bellavance. 1,830,188; Nov. 3.
Chain, Ornamental. K. Fassnacht. 1,796,362; Mar. 17.
Chain, Ornamental. K. Fassnacht. 1,810,040; June 16.
Chain, Ornamental. A. E. R. Speidel. Des. 83,932; Apr. 14.
Chain, Ornamental. D. Sweeney. 1,797,968; Mar. 24.
Chain pipe wrench. F. J. Carnelli. 1,828,173; Oct. 20.
Chain, Power transmission. F. L. Morse. 1,825,675; Oct. 6.
Chain, Power transmission. F. L. Morse. 1,830,206; Nov. 3.
Chain, Silent. C. C. Rothman. 1,822,749; Sept. 8.
Chain, Silent drive. A. J. Merkle. 1,800,557; Apr. 14.
Chain, Skid. P. G. Dorn. 1,794,062; Feb. 24.
Chain, Sprocket. E. A. Lerner. 1,808,236; June 2.
Chain, Strap. H. D. Simpson. 1,821,676; Sept. 1.
Chain structure, Conveying. J. S. Da Costa. 1,793,065; Feb. 17.
Chain swaging and feeding device. H. C. Du Bois. 1,790,464; Jan. 27.
Chain terminal, Pull-. J. J. Cook. Re17,970; Feb. 17.
Chain tightener device, Automatic. F. M. Hawley. 1,806,902; May 26.
Chain tightener, Tire. L. H. Wenrich. 1,802,689; Apr. 28.

Chain, Tire. W. J. Brooks. 1,813,274; July 7.
Chain, Tire. R. E. Eddy. 1,817,547; Aug. 4.
Chain, Tire. F. W. Kerkman. 1,806,064; May 19.
Chain, Tire. C. and E. C. Strack. 1,815,278; July 21.
Chain, Tire. M. E. Streepy. 1,812,568; June 30.
Chain tongs. M. Duncan, 1,794,450; Mar. 3.
Chain, Vehicle. A. N. Scott. 1,824,633; Sept. 22.
Chain wrench. F. J. Carnelli. 1,824,944; Sept. 29
Chains and apparatus therefor, Making. C. M. Lamb. 1,812,052; June 30.
Chains, chainmesh or the like, Soldering. G. Brunhubner. 1,813,904; July 14.
Chains, Device for applying antiskid H. A. Frazier. 1,809,443; June 9.
Chains, Forming tire. H. Wilcox. 1,793,149; Feb. 17.
Chains, Securing means for antiskid. A. F. Gillet. 1,797,230; Mar. 24.
Chair: *See*—

Adjustable chair.	High chair.
Arm chair.	Individual chair.
Barber chair.	Rail chair.
Bathtub chair.	Rail clamping chair.
Beach chair.	Railway joint chair.
Chiropodist chair.	Reclining chair.
Collapsible chair.	Road chair.
Convertible chair.	Smoking chair
Dental chair.	Theater chair.
Folding chair.	

Chair. F. H. Anderson. 1,825,846; Oct. 6.
Chair. J. D. Bair. 1,829,434; Oct. 27.
Chair. D. H. Brown. Des. 84,514; June 30.
Chair. B. J. Brown. Des. 85,633; Dec. 1.
Chair. W. H. Brown. 1,827,418; Oct. 13.
Chair. F. J. Buffington. 1,836,108; Dec. 15.
Chair. C. E. and C. H. Clarke. Des. 85,029; Sept. 8.
Chair. E. T. Deal. 1,815,836; July 21.
Chair. G. Dittmar. 1,835,975; Dec. 8.
Chair. M. Fox. 1,815,617; July 21.
Chair. L. E. Goenen, J. A. Garrow and A. E. Fritz. 1,797,911; Mar. 24.
Chair. G. H. Hamilton. Des. 84.143; May 12.
Chair. A. L. Johnson. 1,816,486; July 28.
Chair. M. Krause. 1,802,606–9; Apr. 28.
Chair. C. Ledder and O. Snow. Des. 84,585; July 7.
Chair. H. D. Lee. Des. 84,291; June 2.
Chair. M. Leff. 1,832,642; Nov. 17.
Chair. W. H. Leffingwell. 1,789,821; Jan. 20.
Chair. A. F. G. Lucas. Des. 83,261; Feb. 10.
Chair. L. Mies. 1,791,453; Feb. 3.
Chair. T. J. Miles. 1,821,107; Sept. 1.
Chair. L. F. Moore and P. Craighill. Des. 85,387; Oct. 20.
Chair. J. A. Schauss. 1,792,247; Feb. 10.
Chair. A. W. Schram. 1,809,453; June 9.
Chair. J. A. Schauss. 1,834,500; Dec. 1.
Chair. J. A. Seidel. Des. 84,602; July 7.
Chair. A. V. Shipman. Des. 85,551; Nov. 10.
Chair. F. Sobel. Des. 85,121; Sept. 15.
Chair. M. Thum. 1,836,630; Dec. 15.
Chair. W. D. Tucker. Des. 84,860; Aug. 11.
Chair. G. W. Walker. 1,817,863; Aug. 4.
Chair and bed, Combination. A. Walter. 1,809,226; June 9.
Chair and bed, Combined. P. Pintow. 1,817,708; Aug. 4.
Chair and clip, Road. C. H. Ribb. 1,830,888; Nov. 10.
Chair and folding arm chair, Folding. C. A. Buffington. 1,838,212; Dec. 29.
Chair and ladder, Combined. H. A. Shambaugh. 1,831,143; Nov. 10.
Chair and spacer for concrete reenforcements. R. C. Olmsted and E. D. Reed. 1,835,806; Dec. 8.
Charge forming device. C. H. Kindl and F. D. Funston. 1,839,103; Dec. 29.
Charge forming device. W. H. Teeter. 1,839,129; Dec. 29.
Chair and lamp, Combined student's. E. O. Klemm and K. R. Otto. Des. 83,259; Feb. 10.
Chair and writing desk, Combination. E. M. Runkles and F. Blackburn. 1,803,947; May 5.
Chair appliance, Barber-. A. Bongiovanni and F. Papotto. 1,798,829; Mar. 31.
Chair back. G. H. Hamilton. 1,795,119; Mar. 3.
Chair-back construction. M. Nuberg. 1,800.097; Apr. 7.
Chair construction. E. C. Harter. 1,821,636; Sept. 1.
Chair construction. M. T. Vandervoort. 1,797,201; Mar. 17.
Chair for concrete reenforcement stirrups. A. L. Neely and W. Tolle. 1,814,007; July 14.
Chair for mine skips. I. F. Kent. 1,795,215; Mar. 3.
Chair for motor busses. C. E. Ferreira. 1,821,429; Sept. 1.
Chair or similar article. L. H. Burlin. Des. 85,157; Sept. 22.
Chair or similar article. C. W. Jones. Des. 85,182–4; Sept. 22.
Chair or similar article. G. E. O'Hearn. Des. 85,538–9; Nov. 10.
Chair or similar article. C. F. Streit. Des. 84,007; Apr. 21.
Chair or support, Reenforced. D. H. Bitney. 1,817,059; Aug. 4.
Chair or the like. V. Oliva. Des. 84,201; May 19.
Chair or the like. E. J. Paull. Des. 83,346; Feb. 17.
Chair or the like. T. W. Ross. Des. 83,009; Jan. 6.
Chair plate and rail brace, Combination. F. A. Graziani. 1,806,254; May 19.
Chair radio remote control, Easy. A. Garretson. Des. 85,176; Sept. 22.
Chair seat, Adjustable. G. B. Travis. 1,827,627; Oct. 13.
Chair settee J. A. Seidel. Des. 84,601; July 7.
Chair tip. F. C. Grant. 1,789,974; Jan. 27.
Chairs, Attachment for barbers'. C. H. Girard. 1,793,606; Feb. 24.
Chairs, Attachment for dental and similar. W. V. Hagberg. 1,833,942; Dec. 1.
Chairs, Back-rest arrangement for. W. S. Ferris. 1,788,018; Jan. 6.
Chairs, Control mechanism for reclining. C. E. Ferreira. 1,798,408; Mar. 31.
Chairs, Latch mechanism for reclining. J. T. Leach. 1,788,113; Jan. 6.
Chairs, Nest of. A. D. Scully. 1,825,368; Sept. 29.
Chairs, Reclining mechanism of barber or like. G. C. Laraia. 1,796,526; Mar. 17.
Chandelier. H. Aglow. Des. 83,940; Apr. 21.
Chandelier. F. W. Roettges. Des. 83,571; Mar. 3.
Chandelier. D. Schaefer. 1,815,074; July 21.
Chandelier. E. A. Walker. Des. 84,170; May 12.
Chandelier frame. H. Aglow. Des. 84,126; May 26.
Chandelier or the like, Lighting-fixture. G. E. McFadden. Des. 83,266–7; Feb. 10.
Chandelier or the like, Lighting-fixture. G. E. McFadden. Des. 83,271; Feb. 10.
Chandelier or the like, Lighting-fixture. G. E. McFadden. Des. 83,633–4; Mar. 10.
Change machine, Automatic. R. V. Wilson. 1,813,720; July 7.
Change maker. L. H. Larsen and C. W. Nixon. 1,806,107; May 19.
Change maker, Portable. R. H. Sharp. 1,794,925; Mar. 3.
Change making device. R. Kuenstler. 1,807,789; June 2.
Change making machine. E. J. Brandt. 1,820,343; Aug. 25.
Change making machine. C. E. Chalmers. 1,801,793; Apr. 21.
Change making machine. C. E. Chalmers. 1,801,795; Apr. 21.
Change making machine. C. E. Chalmers. 1,801,797–9; Apr. 21.
Change making machine, Multiple. C. E. Chalmers. 1,801,794; Apr. 21.
Change making machine. A. Worrell. 1,830,730; Nov. 3.
Change-paying device. C. L. Burdick. 1,833,558; Nov. 24.
Change-speed and reversing device, Progressive. R. J. Laillé. 1,818,407; Aug. 11.
Change speed device. J. de Backer. 1,814,297; July 14.
Change speed device. M. Griffoul. 1,802,505; Apr. 28.
Changeable indicator. J. Hutchinson. 1,813,450; July 7.
Channel construction for the tops of the tanks of vessels. W. G. Bartenfeld. 1,823,081; Sept. 15.
Channel member. T. R. Herbest, jr. 1,830,656; Nov. 3.
Channel members and other members of curved sections, Connecting. D. S. Badenoch. 1,794,053; Feb. 24.
Channeling machine. A. E. Dunham. 1,805,719; May 19.
Chaplet. C. H. Reeder. 1,816,870; Aug. 4.
Chaplets, Apparatus for setting. C. G. Raible. 1,796,665; Mar. 17.
Charcoal burner. St. C. C. Holland. 1,803,254; Apr. 28.
Charcoal, Making active. E. Berl. 1,812,316; June 30.
Charcoal, Method and apparatus for producing activated. H. B. Hass. 1,819,166; Aug. 18.
Charge determining device. H. J. Murphy. 1,807,928; June 2.
Charge forming and feeding device, Automatic. E. W. Menke and E. A. Marsh. 1,806,110; May 19.
Charge forming device. F. E. Aseltine. 1,833,196; Nov. 24.
Charge forming device. F. E. Aseltine. 1,834,198; Dec. 1.
Charge forming device. F. E. Aseltine and W. H. Teeter. 7,819,495; Aug. 18.
Charge-forming device. W. B. Ellis. 1,792,367; Feb. 10.
Charge-forming device. C. W. Shaver. 1,800,478; Apr. 14.
Charge-forming device. W. H. Teeter. 1,796,902; Mar. 17.
Charge forming device. W. H. Teeter. 1,819,526–7; Aug. 18.
Charge forming device. W. H. Teeter. 1,833,189; Nov. 24.
Charge forming device. C. E. Witte. 1,818,371; Aug. 11.
Charge for projectiles and forming the same, Propellant. C. G. Young. 1,808,877; June 9.
Charge of material to be sintered, Preparing a. J. E. Greenawalt. 1,799,163; Apr. 7.
Charge of storage batteries, Controlling the. F. G. Beetem. 1,833,349; Nov. 24.
Charging device. C. C. Hansen. 1,789,816; Jan. 20.
Charging device. G. R. Wells. 1,824,853; Sept. 29.
Charging device for electrical fuses. H. Rühlemann. 1,795,972; Mar. 10.
Charging device for shaft furnaces. E. Knoringer and C. Wolski. 1,835,225; Dec. 8.
Charging machine. G. R. Steere. Re18,292; Dec. 15.
Charging mechanism for blasting cartridges. F. H. Kneeland. 1,807,987; June 2.
Charging regulator. E. Kramer. 1,802,658; Apr. 28.
Charges for power devices, Process and apparatus for preparing. G. Swartz. 1,805,644; May 19.
Charm, Key. H. W. Peters. 1,828,617; Oct. 20.
Chart. C. M. Davenport. 1,790,200; Jan. 27.
Chart. G. Fox. 1,806,156; May 19.

Chart apparatus, Ophthalmic test. J. H. Leventhal. 1,828,777; Oct. 27.
Chart, Automatic speedometer. A. I. Roe. 1,834,869; Dec. 1.
Chart, Classroom. W. F. Hall. 1,783,715; Jan. 13.
Chart, Color. N. E. Stephens. 1,832,750; Nov. 17.
Chart, Curve or line. W. D. Whitcomb. 1,793,767; Feb. 24.
Chart, Educational. A. L. Lossie. 1,803,630; May 5.
Chart, Fixation. J. Copeland. 1,790,900; Feb. 3.
Chart for gasoline pump bowls, Price. J. Morasky. 1,804,540; May 12.
Chart for phonographs, Text. D. Tulchin. 1,788,784; Jan. 13.
Chart, Graphic. E. M. Andres. Re17,943; Feb. 3.
Chart, Graphic. E. M. Andres. 1,810,334; June 16.
Chart, Graphic. E. M. Andres. 1,838,353; Dec. 29.
Chart, Graphic. W. D. Whitcomb. 1,790,127; Jan. 27.
Chart, Hair sample color. J. E. Mills. 1,801,751; Apr. 21.
Chart, Illustrative. W. S. King. 1,814,251; July 14.
Chart, Instruction. N. K. Hicks. 1,825,063; Sept. 29.
Chart, Key. C. Harris. 1,823,602; Sept. 15.
Chart, Memento. G. A. Klein. 1,830,030; Nov 3.
Chart, Musical key. S. J. Roelike. 1,792,324; Feb. 10.
Chart, Painting. E. P. Holder. 1,824,598; Sept. 22.
Chart, Scale. H. L. van Doren. Des. 85,405; Oct. 20.
Chart, Statistical. M. Engel and G. Mirus. Des. 84,574; July 7.
Chart, Variable. G. S. Merrill. 1,812,752; June 30.
Chaser and chaser holder. C. P. Harrison. 1,810,241; June 16.
Chassis, Aeroplane. C. Rosatelli. 1,803,039; Apr. 28.
Chassis construction. J. Ledwinka. 1,808,502; June 2.
Chassis for motor vehicles. N. L. Causan. 1,803,055; Apr. 28.
Chassis for motor vehicles and such like, Resiliently-suspended. L. Granges. 1,792,160; Feb. 10.
Chassis for motor vehicles, Six wheel. F. E. Davis. 1,815,431; July 21.
Chassis, Four wheel rear drive. M. M. Brockway. 1,817,028; Aug. 4.
Chassis layout. P. R. Delling and H. W. Lindemann. 1,830,386; Nov. 3.
Chassis lubricating fitting. V. M. and C. E. Dirkes. 1,802,376; Apr. 28.
Chassis spring control. E. K. Baker. 1,810,897; June 23.
Chassis, Vehicle. C. E. Belt. 1,818,838; Aug. 11.
Chassis, Vehicle. O. F. Lundelius and J. R. Dillon. 1,814,256; July 14.
Chassis with individual wheel mountings, Six wheel. F. C. McManus. 1,833,053; Nov. 24.
Check book. G. Opitz. 1,833,433; Nov. 24.
Check book. L. F. Tresback. 1,805,268; May 12.
Check book. A. J. Uniack. 1,816,306; July 28.
Check controlled mechanism. A. H. Du Grenier. 1,838,907; Dec. 29.
Check construction. P. J. and C. P. Harrah. 1,818,250; Aug. 11.
Check detector. W. C. Boulton. 1,830,779; Nov. 10.
Check, Door. J. R. Hughes. 1,832,708; Nov. 17.
Check for gates, Tandem. M. Burstein and A. G. Buckenham. 1,808,341; June 2.
Check, for swinging doors, Floor. F. C. Garrison. 1,832,699; Nov. 17.
Checkhook. W. N. Vance. 1,807,356; May 26.
Check marking device. H. Swanson. 1,812,997; July 7.
Check, Meal. E. Z. Lewis. 1,815,156; July 21.
Check protecting device. W. McCann. 1,825,153; Sept. 29.
Check protecting device. L. Pollock. 1,834,532; Dec. 1.
Check protector. F. J. Matthews. 1,819,375; Aug. 18.
Check protector. S. E. Peters. 1,825,014; Sept. 29.
Check protector. V. H. Severy. 1,815,076; July 21.
Check punching and issuing machine. R. H. Helsel. 1,797,771; Mar. 24.
Check rower. W. Scott. 1,811,973; June 30.
Check, Safety. R. C. Cotton and F. J. Mershon. 1,833,869; Nov. 24.
Check valve seat. E. E. Hewitt. 1,832,863; Nov. 24.
Check writer. R. E. Bohrer. 1,796,187; Mar. 10.
Check writer. J. Whitaker. 1,794,266; Feb. 24.
Check-writing machine. J. W. Carlson. 1,798,455; Mar. 31.
Check-writing machine. E. E. Phinney. 1,794,540; Mar. 3.
Check writing or printing machine. A. Wawrzyniak, 1,800,125; Apr. 7.
Checker board. H. A. Richardson. Des. 84,650; July 14.
Checkerwork. J. P. Grilli and H. L. Wetherbee. 1,815,905; July 28.
Checkerwork. G. E. Steudel. 1,826,227; Oct. 6.
Checking apparatus, Clothes. R. B. Holt. 1,802,149; Apr. 21.
Checking device. W. P. De Saussure, jr. 1,814,436; July 14.
Checking excessive dead mileage. B. C. Palmer. 1,817,395; Aug. 4.
Checking ring. S. R. Milbury. 1,810,218; June 16.
Cheeking machine. H. A. Ballard and O. T. Hoelslock. 1,796,277; Mar. 17.
Cheeking machine. D. E. Harding. 1,790,619; Jan. 27.
Cheese and butter cutter. J. Nadeo. 1,796,212; Mar. 10.
Cheese cutter. T. J. Boehmer. 1,820,342; Aug. 25.
Cheese cutter. W. J. Brown. 1,824,703; Sept. 22.
Cheese cutter. W. D. Jones. 1,822,869; Sept. 8.
Cheese cutter. E. P. Perun. 1,827,164; Oct. 13.
Cheese, Melting. A. Axelrod. 1,820,900; Sept. 1.
Cheese press, Continuous pressure. W. Greenheck. 1,833,460; Nov. 24.
Cheese-processing machine, Continuous. C. and H. R. Doering. 1,796,445; Mar. 17.
Chemical compound and making the same. L. C. Swallen and W. J. Bannister. 1,835,915; Dec. 8.
Chemical composition and metal-treatment process. F. D. Burke. 1,789,805; Jan. 20.
Chemical pulp, Production of. L. Bradley and E. P. McKeefe. 1,795,755–6; Mar. 10.
Chemical pulp, Production of. L. Bradley and E. P. McKeefe. 1,797,678; Mar. 24.
Chemical reactions between gases, Process and apparatus for effecting. F. Lechler. 1,796,110; Mar. 10.
Chemical reactions, Promoting. H. Frischer. 1,834,693; Dec. 1.
Chemical solutions, Method and apparatus for making. T. L. Dunbar. 1,826,753; Oct. 13.
Chemical toilet. J. C. Olsen. 1,792,181; Feb. 10.
Chemicals from pulp magma, Apparatus and method for the recovery of. H. L. Brown. 1,828,279; Oct. 20.
Chemise. H. Irons. Des. 83,488; Feb. 24.
Chenille and other fabrics, Manufacture of. J. Morton. 1,804,106; May 5.
Cherry and nut dropping apparatus. F. M. Schuler. 1,793,752; Feb. 24.
Chest: *See*—
Collapsible chest.
Chick box. J. A. Weaver. 1,799,338; Apr. 7.
Chick storage, brooder and incubator, Combination. I. A. Taylor. 1,814,979; July 14.
Chick trainer. M. Klaudt. 1,787,535; Jan. 6.
Chicken restraining device. F. G. Graves. 1,802,207; Apr. 21.
Chicken treater. J. Snyder. 1,810,228; June 16.
Chill for castings. G. C. Bumbaugh. 1,819,765; Aug. 18.
Chill for sand molds. W. B. Robe. 1,833,128; Nov. 24.
Chilling unit. J. J. Korenchan. 1,820,746; Aug. 25.
Chime. J. W. Klein. 1,813,171; July 7.
Chime. G. L. Bossard. 1,831,552; Nov. 10.
Chime, Automatic. P. M. Rodet, J. A. Christensen, and M. A. Grieve. 1,835,901; Dec. 8.
Chime mechanism. E. C. Ives. 1,815,202; July 21.
Chimney. L. L. Blanchard. 1,794,140; Feb. 24.
Chimney. B. L. Flaherty. 1,835,702; Dec. 8.
Chimney breast wall bed. G. D. Manville. 1,815,358; July 21.
Chimney cleaner. J. J. Carney. 1,806,387; May 19.
Chimney cleaner, Adjustable. F. Buchholtz. 1,801,718; Apr. 21.
Chimney, Iron-plate. E. Haber. 1,800,015; Apr. 7.
Chimney, Lamp. G. E. McFadden. Des 84,253; May 26.
Chimneys, Attachment for. M. E. Gerry. 1,789,174; Jan. 13.
China and earthenware during the firing process in tunnel oven or kiln, Supporting. A. J. Campbell. 1,802,235; Apr. 21.
China closet, Corner. G. A. Simons and G. Freeberg. Des. 83,066; Jan. 13.
Chip breaker. L. E. Blood and P. H. Young. 1,796,186; Mar. 10.
Chip breaker. W. D. Johnson. 1,798,206; Mar. 31.
Chip drying furnace. F. H. Longyear. 1,833,118; Nov. 24.
Chipping machine. G. W. Lentz. 1,806,572; May 19.
Chiropodist, Auto. H. R. Bynum. 1,829,338; Oct. 27.
Chiropodist chair. J. R. Emmert. 1,810,134; June 16.
Chisel, Reversible self sharpening. J. I. McCord. 1,807,998; June 2.
Chloracetaldebyde, Preparing. O. Ernst and H. Lange. 1,806,285; May 19.
Chlorid, Making stannic. W. S. Lienhardt. 1,826,800; Oct. 13.
Chloride and making same, Powdered metallic. S. B. Heath. 1,801,000; Apr. 14.
Chloride, Making stannous. W. S. Smith. 1,825,212; Sept. 29.
Chloride, Manufacture of organic. E. A. Harding. 1,816,845; Aug. 4.
Chloride modifications, Obtaining various polymerized vinyl. I. Ostromislensky. 1,791,009; Feb. 3.
Chlorides, Making alkyl. J. Frei. 1,824,951; Sept. 29.
Chlorides of the alkaline-earth metals from the sulphates of the alkaline-earth metals, Manufacturing the. T. Lichtenberger and L. Kaiser. 1,798,091; Mar. 24.
Chlorides, Production of ferric and chromic. J. K. Berresford. 1,814,360; July 14.
Chlorides, Separation of cuprous and ammonium. E. C. Britton and H. R. Slagh. 1,814,822; July 14.
Chlorinated product of the benzene series and making same. G. Kalischer and F. Frister. 1,796,108; Mar. 10.
Chlorination. E. E. Ayres, jr. 1,831,474; Nov. 10.
Chlorination. E. E. Ayres, jr. 1,835,202; Dec. 8.
Chlorination apparatus. E. B. Conklin. 1,828,859; Oct. 27.
Chlorine for the treatment of colds and the like, Preparation of. R. H. McKee. 1,802,661; Apr. 28.
Chlorine gas for the treatment of colds and the like, Administering. R. H. McKee. 1,802,662; Apr. 28.
Chloroform, Manufacture of. C. J. Strosacker. 1,801,887; Apr. 21.
Chock. A. A. Bureau. 1,789,458; Jan. 20.
Chock. P. J. Lunati. 1,803,942; May 5.

Chock block. T. W. Griffin. 1,789,651; Jan. 20.
Chock, Wheel. C. E. Fyfe. 1,801,809; Apr. 21.
Chocolate cherries, Apparatus for making. M. S. Trop. 1,793,263; Feb. 17.
Chocolate, Production of milk and cream. P. Born. 1,836,303; Dec. 15.
Choke-actuated mechanism, Automobile. E. J. Eich. 1,795,645; Mar. 10.
Choke, Automatic. J. A. Verna and E. P. Archambault. 1,823,866; Sept. 15.
Choke coil and ground switch, Combined. T. Van Ryan and A. Alsaker. 1,816,878; Aug. 4.
Choke operating means for carburetors. F. H. Heitger. 1,811,011; June 23.
Chopper: *See*—
Cotton chopper.
Food chopper.
Meat chopper.
Scrap chopper.
Vegetable and fruit chopper.
Vegetation chopper.
Chopper and cultivator, Cotton. H. F. Wilson. 1,792,954; Feb. 17.
Chopper and tillage implement, Power cotton. R. B. Kimball. 1,795,029; Mar. 3.
Chopping attachment for cultivators, Cotton. J. H. Roberts. 1,805,599; May 19.
Chord finder. R. Cordier. 1,804,460; May 12.
Chorus stand, Collapsible. M. Paysen. 1,818,428; Aug. 11.
Christmas tree, Imitation. C. Peckerman. Des. 85,200; Sept. 22.
Christmas tree stand. A. P. Danner. 1,830,193. Nov. 3.
Christmas tree stand. J. B. and J. A. Ray. 1,810,853; June 16.
Christmas tree stand. H. H. Wermine. 1,805,649; May 19.
Christmas tree support stand. J. J. Danner. 1,811,918; June 30.
Chrome alum, Manufacture of. W. Seidel. 1,826,831; Oct. 13.
Chromium and alloys, Manufacture of. C. J. Smithells. 1,838,641; Dec. 29.
Chromium compound of azo dyestuffs, Complex. H. Krzikalla and F. Bluemmel. 1,812,345; June 30.
Chromium, Electrodepositing. W. S. Bohlman. 1,809,826; June 16.
Chromium, Electrodepositing. W. S. Eaton. 1,795,481; Mar. 10.
Chromium, Electrolytically depositing. O. Hahn. 1,789,523; Jan. 20.
Chromium plated articles with mirrorlike, scratch finish, or the like surfaces, Producing. C. G. Fink. 1,802,463; Apr. 28.
Chromium plating. J. A. Hanley and W. L. Pinner. 1,787,477; Jan. 6.
Chromium plating. C. H. Humphries. 1,836,598; Dec. 15.
Chromium plating. J. F. K. McCullough and B. W. Gilchrist. 1,797,357; Mar. 24.
Chromium plating. J. F. K. McCullough and B. W. Gilchrist. 1,838,777; Dec. 29.
Chromium plating. E. Sohn and R. J. Paddock. 1,815,081; July 21.
Chromium plating. L. R. Westbrook. 1,795,459; Mar. 10.
Chromium plating by electrolytic deposition. A. Hollard. 1,799,851; Apr. 7.
Chromium plating machine, Automatic. C. G. Miller. 1,809,138; June 9.
Chromium, Polishing. J. C. Patten. 1,806,414; May 19.
Chronological device. J. H. Willis. 1,832,342; Nov. 17.
Chuck. J. Bailey and J. L. Miller. 1,829,180; Oct. 27.
Chuck. J. E. Baines and J. P. Basle. 1,837,095; Dec. 15.
Chuck. C. G. Bidwell. 1,827,415; Oct. 13.
Chuck. A. W. Bjorkman. 1,815,609; July 21.
Chuck. G. G. Bush. 1,794,511; Mar. 3.
Chuck. A. E. Church. 1,790,744; Feb. 3.
Chuck. A. E. Church. 1,807,385; May 26.
Chuck. G. M. Class. 1,830,981; Nov. 10.
Chuck. W. C. De Graff. 1,819,837; Aug. 18.
Chuck. S. H. Earl. 1,812,144; June 30.
Chuck. G. J. Evelo. 1,827,387; Oct. 13.
Chuck. E. Finsen. 1,808,346–7; June 2.
Chuck. P. Forkardt. 1,832,480; Nov. 17.
Chuck. J. B. Galbraith. 1,807,156; May 26.
Chuck. G. E. Garno and E. A. Engstrom. 1,788,458; Jan. 13.
Chuck. J. E. Graves. 1,800,291; Apr. 14.
Chuck. R. H. Jellicoe. 1,812,006; June 30.
Chuck. R. H. Jellicoe. 1,823,902; Sept. 22.
Chuck. A. J. Lewis. 1,813,705; July 7.
Chuck. L. E. Meunier. 1,789,559; Jan. 20.
Chuck. D. C. Page and R. H. Jellicoe. 1,812,017; June 30.
Chuck. K. R. Sjogren. 1,789,601; Jan. 20.
Chuck. H. E. Sloan and G. A. Highberg. 1,837,174; Dec. 15.
Chuck. W. N. Stevens. 1,838,714; Dec. 29.
Chuck. B. W. Sunde. 1,837,688; Dec. 22.
Chuck. E. J. Svenson. 1,829,619; Oct. 27.
Chuck. J. J. N. Van Hamersveld. 1,817,721; Aug. 4.
Chuck. H. R. Ward. 1,819,802; Aug. 18.
Chuck. R. Weber. 1,825,219; Sept. 29.
Chuck. L. E. Whiton. 1,816,105; July 28.
Chuck. F. C. Wilson. 1,822,685; Sept. 8.
Chuck, Air. C. A. Norgren. 1,806,983; May 26.
Chuck and gauge, Combination air. P. Leonard. 1,800,393; Apr. 14.
Chuck assembly for machine tools. W. H. Knight and C. A. Waldsmith. 1,836,471; Dec. 15.
Chuck, Bit holding. F. C. Goldsmith. 1,831,530; Nov. 10.
Chuck closing and opening mechanism. F. H. Bogart. 1,831,225; Nov. 10.
Chuck closing and opening mechanism. J. J. N. Van Hamersveld and E. P. Burrell. 1,816,239; July 28.
Chuck, Collet. G. M. Class. 1,818,305; Aug. 11.
Chuck, Diaphragm. B. F. Stowell. 1,812,455; June 30.
Chuck, Expansible. H. Parker. 1,790,833; Feb. 3.
Chuck for axle turning lathes. W. Lowery. 1,835,166; Dec. 8.
Chuck for bowling balls. R. E. Kennedy. 1,832,127; Nov. 17.
Chuck for broaching steel. C. C. Hansen. 1,828,862; Oct. 27.
Chuck for drilling machine. G. M. Nell. 1,832,471; Nov. 17.
Chuck for electric arc welding, Weldrod. H. R. Bormann and A. Steinhart. 1,810,900; June 23.
Chuck for machine tools. E. Sears and C. F. Wagner. 1,818,167; Aug. 11.
Chuck for paper rolls. T. T. Pope. 1,823,164; Sept. 15.
Chuck for paper rolls, Automatic. T. T. Pope. 1,796,534; Mar. 17.
Chuck for rock drills. A. H. Katterjohn. 1,800,390; Apr. 14.
Chuck for rock drills. B. F. Shepherd. 1,822,115; Sept. 8.
Chuck for rock drills. W. A. Smith, sr. 1,806,315; May 19.
Chuck, Hydraulic. L. E. Godfriaux. 1,815,562; July 21.
Chuck, Indexing. F. Hunziker. 1,801,602; Apr. 21.
Chuck, Nipple holding. C. Rasmussen. 1,802,574; Apr. 28.
Chuck operating mechanism. A. E. Drissner. 1,824,878; Sept. 29.
Chuck operating mechanism for machine tools. E. P. Burrell and F. H. Bogart. 1,816,209; July 28.
Chuck, Paper-roll. L. M. Strand and J. A. Hollander. 1,800,327; Apr. 14.
Chuck structure. W. G. Mueller. 1,809,308; June 9.
Chuck, Tool holding. B. R. Sheets. 1,832,141; Nov. 17.
Chuck, Turning machine. J. S. Richardson. 1,827,763; Oct. 20.
Chuck, Work. W. N. Booth. 1,821,926; Sept. 8.
Chucking machine. A. J. Lewis. 1,829,284; Oct. 27.
Chucking machine, Automatic. R. S. Brown. 1,833,822; Nov. 24.
Chucking machine, Automatic. A. J. Lewis. 1,796,797; Mar. 17.
Chucking machine, Work rotating type of. J. J. Spring. 1,805,054; May 12.
Chucking mechanism. F. H. Ragan. 1,816,655; July 28.
Churn. W. Z. Edmond. 1,795,252; Mar. 3.
Churn. H. M. Figg. 1,794,680; Mar. 3.
Churn. N. King. 1,788,242; Jan. 6.
Churn. J. O'Connell and H. H. Kerr. 1,817,833; Aug. 4.
Churn. L. V. Wilson. 1,788,901; Jan. 13.
Churn attachment for washing machines. M. I. Morgan and B. C. Tate. 1,805,952; May 19.
Churn, Power. A. H. Boileau. 1,805,464; May 19.
Churn, Power. A. H. Boileau. 1,805,753; May 19.
Chute. C. G. States. 1,798,711; Mar. 31.
Chute. C. M. Wilkinson. 1,820,262; Aug. 25.
Chute. G. J. Worst. 1,810,512; June 16.
Chute and closure, Combination. H. Robinson. 1,807,496; May 26.
Chute and closure member, Combination. H. Robinson. 1,803,209; Apr. 28.
Chute and draft apparatus, Incinerator. E. W. Strube. 1,832,950; Nov. 24.
Chute, Automatic ash. T. Burley. 1,813,481; July 7.
Chute, Automatic brooder-house. J. H. Ascher. 1,791,486; Feb. 10.
Chute, Branding and dehorning. W. L. Kuhns. 1,805,405; May 12.
Chute, Coal. T. Skinner. 1,789,885; Jan. 20.
Chute, Coin. C. Weber. 1,793,886; Feb. 24.
Chute, Coke and coal avalanching. H. Adams. 1,795,986; Mar. 10.
Chute construction. K. F. Triggs. 1,789,123; Jan. 13.
Chute discharge unit. G. D. Beaver. 1,832,350–1; Nov. 17.
Chute for coal bins, Distributing. C. F. Bledsoe. 1,798,130; Mar. 31.
Chute for grain elevators, Delivery. W. B. Thiemann. 1,798,231; Mar. 31.
Chute for stokers and the like, Feed. A. J. Stock, jr. 1,813,590; July 7.
Chute for vending machines, Coin. C. Weber. 1,813,977; July 14.
Chute for vending machines, Delivery. J. F. Meyer. 1,801,100; Apr. 14.
Chute, Gravity. M. Godinez. 1,800,067; Apr. 7.
Chute, Mail. J. W. Cutler. 1,794,104; Feb. 24.
Chute, Mail. C. Dobbin. 1,798,868; Mar. 31.
Chute, Mail. C. Dobbin. 1,799,961; Apr. 7.
Chute, Mail. R. Fells. 1,804,159; May 5.
Chute, Refuse. S. and I. A. Olsen. 1,834,171; Dec. 1.
Chute, Sack. H. C. Scott. 1,818,652; Aug. 11.
Cigar band. O. Muller. 1,827,761; Oct. 20.
Cigar, Banded. G. W. Hill. 1,796,711; Mar. 17.

Cigar banding machine. F. X. Malocsay. 1,812,704; June 30.
Cigar blending and bunching machine. W. H. Schussler. 1,799,128; Mar. 31.
Cigar box. A. A. Adamson. 1,827,724; Oct. 20.
Cigar box. C. G. Myers. 1,833,469; Nov. 24.
Cigar bunch concentrator. R. E. Rundell. 1,838,157; Dec. 29.
Cigar bunches, Apparatus for forming. F. H. B. Stelzer. 1,817,326; Aug. 4.
Cigar-bunching machine. W. H. Schussler. 1,798,636; Mar. 31.
Cigar enveloping machines, Feed for. H. H. Wheeler. 1,838,167; Dec. 29.
Cigar filler charge transfer. R. E. Rundell. 1,838,192; Dec. 29.
Cigar lighter. J. H. Cohen. Des. 85,635; Dec. 1.
Cigar machine. I. O. E. Sandberg. 1,829,238; Oct. 27.
Cigar machines, Automatic filler feed for. V. G. Hanson. 1,791,558; Feb. 10.
Cigar machines, Rotary tobacco feed for. H. E. Carlson. 1,810,904; June 23.
Cigar manufacture. W. T. Fitz Gerald. 1,801,231; Apr. 14.
Cigar or cigarette, Self-igniting. W. R. Winter. 1,787,650; Jan. 6.
Cigar or cigarette stubs, Article for receiving. L. S. Brach. 1,806,782; May 26.
Cigar package. G. H. Earman. 1,790,370; Jan. 27.
Cigar package, Visible. A. J. Golden. 1,809,335; June 9.
Cigar rest and match holder, Detachable. J. E. Burns. 1,802,332; Apr. 28.
Cigars, Device to be applied to. O. Haakh. 1,837,771; Dec. 22.
Cigarette. A. Deinstein. 1,817,546; Aug. 4.
Cigarette. E. Gearon. 1,794,227; Feb. 24.
Cigarette. H. H. Honigbaum. 1,798,537; Mar. 31.
Cigarette and apparatus and method for producing the same. U. L. Gottlieb. 1,798,411; Mar. 31.
Cigarette and ignition band therefor, Self lighting. J. Parsons. 1,815,162; July 21.
Cigarette and like packets, Forming. W. E. Molins. 1,795,666; Mar. 10.
Cigarette and making same. J. D. Gilliam. 1,829,559; Oct. 27.
Cigarette and vanity case, Combination. L. Meyerson. 1,821,660; Sept. 1.
Cigarette box. H. C. Marcus. 1,837,824; Dec. 22.
Cigarette case. O. C. Ritz Woller. 1,830,583; Nov. 3.
Cigarette case and dispenser, Pocket. J. J. Petro. 1,815,069; July 21.
Cigarette case and lighter, Combination. W. Hovnan. 1,821,753; Sept. 1.
Cigarette case, Automatic pocket. R. Berger. 1,824,461; Sept. 22.
Cigarette case, Combination. W. H. Vogt. 1,830,451; Nov. 3.
Cigarette collector. W. B. Brouander. 1,790,404; Jan. 27.
Cigarette collector. R. E. Rundell. 1,838,193; Dec. 29.
Cigarette collector, Double belt. J. A. Stein. 1,824,413; Sept. 22.
Cigarette collector, Drum type. J. A. Stein. 1,824,414; Sept. 22.
Cigarette cork tipper. P. M. Nejedly. 1,810,979; June 23.
Cigarette cut-off. R. J. A. Chandler. 1,824,393; Sept. 22.
Cigarette delivery and lighting device. F. C. Copeland. 1,802,629; Apr. 28.
Cigarette dispenser and lighter. E. F. Leitz. 1,796,657; Mar. 17.
Cigarette dispenser, match box holder, and ash receiver, Combined. A. B. Jippson. 1,806,399; May 19.
Cigarette dispensing apparatus and lighter, combined. T. A. Killman. 1,834,029; Dec. 1.
Cigarette extinguisher. G. R. Burton. 1,830,590; Nov. 3.
Cigarette extinguisher. J. B. Caldwell and O. J. Karst. 1,838,090; Dec. 29.
Cigarette extinguisher. H. Evens. 1,832,372; Nov. 17.
Cigarette extinguisher. H. Kershaw. 1,804,102; May 5.
Cigarette extinguisher. H. S. Maymon. 1,789,316; Jan. 20.
Cigarette extinguisher. W. F. Pringle. 1,828,068; Oct. 20.
Cigarette extinguisher. F. A. Schaetzke. Des. 83,469; Feb. 24.
Cigarette extinguisher and receptacle, Combined. J. M. Larson. 1,820,077; Aug. 25.
Cigarette grasper. C. C. Riddell. 1,809,218; June 9.
Cigarette lighter. J. C. Speck. Des. 85,008; Sept. 1.
Cigarette machinery. W. E. Molins and A. A. Stone. 1,801,169; Apr. 14.
Cigarette machines, Cutting device for. E. Danger. 1,797,640; Mar. 24.
Cigarette machines, Feeding channel for continuous rod. R. E. Rundell. 1,838,110; Dec. 29.
Cigarette machines, Paper pull for. F. Di Ianni. 1,790,342; Jan. 27.
Cigarette machines, Tobacco-feeding device for. E. Koerner. 1,797,687; Mar. 24.
Cigarette making machine. I. Roet. 1,803,562; May 5.
Cigarette making machine. F. F. Ruau. 1,822,316; Sept. 8.
Cigarette making machines, Hopper feeding means for. W. F. Grupe. 1,833,285; Nov. 24.
Cigarette-making machinery. W. E. Molins. 1,793,865; Feb. 24.
Cigarette making machinery. W. E. Molins. 1,811,759; June 23.
Cigarette making machinery. W. E. Mollins. 1,823,281; Sept. 15.
Cigarette-making machinery. F. F. Ruau. 1,787,551; Jan. 6.
Cigarette mold. M. Bennett. 1,797,315; Mar. 24.
Cigarette package. R. C. Glenn and W. W. Ferguson. 1,824,884; Sept. 29.
Cigarette package. C. Kampfman. 1,806,905; May 26.
Cigarette package. W. S. Luckett. 1,794,631–2; Mar. 3.
Cigarette package, Attachment for. G. A. Geib. 1,821,795; Sept. 1.
Cigarette rod former and paster. W. B. Bronander and P. M. Nejedly. 1,824,392; Sept. 22.
Cigarette rod sealer, Hot and cold. W. B. Bronadner. 1,810,944; June 23.
Cigarette-rod sealer, Reversible. N. L. Coyle and F. Di Iani. 1,790,340; Jan. 27.
Cigarette, Self-igniting. H. F. Boillot. 1,835,928; Dec. 8.
Cigarette snuffer. C. C. Poling. 1,815,955; July 28.
Cigarette snuffer and receiver. L. S. Brach. 1,806,781; May 26.
Cigarette wrapper and package. F. X. Fields. 1,824,879; Sept. 29.
Cigarette wrapper and package. F. X. Fields. 1,824,948; Sept. 29.
Cigarettes and like shaped articles, when packing same, Turning. P. Gottschalk. 1,800,290; Apr. 14.
Cigarettes and similar rod shaped articles right-side up when feeding same to packing machines, Apparatus for turning. P. Gottschalk. 1,807,738; June 2.
Cigarettes and the like, Packing. G. Süllwald. 1,830,571; Nov. 3.
Cigarettes and the like provided with imprints, Dressing. M. P. E. Hohn. 1,812,294; June 30.
Cigarettes, Attachment for. J. F. Hughes. 1,821,159; Sept. 1.
Cigarettes, Device for extinguishing and holding. C. W. Mears and H. Eisele. 1,810,492; June 16.
Cigarettes, Device for reversing. P. Gottschalk. 1,787,901; Jan. 6.
Cigarettes from containers, Distributing. J. Neff. 1,834,723; Dec. 1.
Cigarettes having imprints, Apparatus for dressing. M. P. E. Hohn. 1,832,120; Nov. 17.
Cigarettes, Manufacturing. N. M. Hopkins. 1,796,522; Mar. 17.
Cigarettes, Mouthpiece for. J. F. Hughes. 1,821,160; Sept. 1.
Cigarettes right side up as they are fed to the packing machine, Apparatus for turning. M. Berger. 1,807,723; June 2.
Cigarettes right side up as they are fed to the packing machine, Apparatus for turning. M. Berger. 1,809,189; June 9.
Cigars, cigarettes, or the like, Producing. W. F. Pride. 1,829,454; Oct. 27.
Cinema or like apparatus. F. Seufert. 1,833,339; Nov. 24.
Cinema projection screen, Stereoscopic. J. E. Pallemaerts. 1,806,831; May 26.
Cinema projectors, Attachment for. W. R. Beckley, A. E. Church, and J. F. Merkel. 1,830,082; Nov. 3.
Cinema projectors, Color attachment for. J. F. Merkel. 1,830,121; Nov. 3.
Cinematograph apparatus. A. S. Newman. 1,803,864; May 5.
Cinematograph machine, Moving lens. W. E. John. 1,822,528; Sept. 8.
Cinematograph screen. J. C. Heck. 1,819,776; Aug. 18.
Cinematograph view-taking apparatus. A. L. V. C. Debrie. 1,789,220; Jan. 13.
Cinematograph with continuous feed of the film. V. Continsouza and M. B. Combes. 1,796,140; Mar. 10.
Cinematographic apparatus. C. B. Hall. 1,798,793; Mar. 31.
Cinematographic apparatus. J. F. Kienninger. 1,803,115; Apr. 28.
Cinematographic apparatus. E. Oehmichen. 1,836,613; Dec. 15.
Cinematographic apparatus. J. E. Thornton. 1,819,047; Aug. 18.
Cinematographic apparatus for the projection of fixed and moving pictures. J. Bogopolsky. 1,802,045; Apr. 21.
Cinematographic device. H. Moraz. 1,815,208; July 21.
Cinematographic projecting apparatus. G. Rouiller and J. Marion. 1,818,432; Aug. 11.
Cinematographic projector. M. Couade. 1,821,930; Sept. 8.
Cinematographic transformation and trick effects, Production of. A. Schilling. 1,834,257; Dec. 1.
Cinematographic view-taking apparatus, Exposure-controlling device for. A. L. V. C. Debrie. 1,798,072; Mar. 24.
Cinematographs, Safety shutter for. A Shapiro. 1,830,567; Nov. 3.
Cinematography, Natural color. A. Hnatek. 1,816,083; July 28.
Circle brace. N. K. Smith. 1,803,681; May 5.
Circle divider. F. F. Heitzig. 1,808,110; June 2.
Circle segmentator. A. O. Tate. 1,791,648; Feb. 10.

Circuit, Amplifier. H. Hollerith, jr., and A. N. Fento. 1,813,051; July 7.
Circuit and other lock, Ignition. V. L. Gilpin. 1,828,562; Oct. 20.
Circuit, Antenna. H. N. Misenheimer. 1,830,880; Nov. 10.
Circuit and transformer therefor, Electrical. F. H. Drake. 1,791,236; Feb. 3.
Circuit apparatus, Railway track. B. E. O'Hagan. 1,827,825; Oct. 20.
Circuit apparatus, Railway track. H. A. Thompson. 1,823,176; Sept. 15.
Circuit apparatus, Railway track. H. S. Young. 1,815,960; July 28.
Circuit arrangement for automatic and semiautomatic telephone exchange systems. E. P. G. Wright. 1,821,998; Sept. 8.
Circuit arrangement for automatic telephone systems. M. Langer. 1,795,339; Mar. 10.
Circuit arrangement for high frequency currents. E. Green. 1,830,164; Nov. 3.
Circuit arrangement for multiple-unit tubes. S. Loewe. 1,838,855; Dec. 29.
Circuit arrangement for preselectors. F. Lill. 1,837,456; Dec. 22.
Circuit arrangement for relay switches. K. G. Johnson. 1,811,318; June 23.
Circuit arrangement for the sending of current impulses over telephone lines. R. Trechcinski. 1,822,635; Sept. 8.
Circuit arrangement, Selective. L. C. Roberts. 1,834,005; Dec. 1.
Circuit arrangement, Signaling. W. Hahnemann. 1,802,555; Apr. 28.
Circuit, Automatic voltage-regulating. F. W. Schramm. 1,790,076; Jan. 27.
Circuit breaker. A. H. Bakken. 1,801,838; Apr. 21.
Circuit breaker. L. L. Brown. 1,283,083; Sept. 15.
Circuit breaker. E. T. Burton. 1,837,202; Dec. 22.
Circuit breaker. W. W. Dashner. 1,824,125; Sept. 22.
Circuit breaker. W. Dubilier. 1,838,664; Dec. 29.
Circuit breaker. S. T. Ford, and H. L. Doudna. 1,834,833; Dec. 1.
Circuit breaker. M. J. Graham and A. Holsey. 1,797,862; Mar. 24.
Circuit breaker. O. S. Jennings. 1,794,901; Mar. 3.
Circuit breaker. O. S. Jennings. 1,809,275; June 9.
Circuit breaker. L. T. Jones. 1,799,689; Apr. 7.
Circuit breaker. T. Lindstrom. 1,838,950; Dec. 29.
Circuit breaker. J. B. MacNeill. 1,804,628; May 12.
Circuit breaker. J. E. McGee. 1,834,856; Dec. 1.
Circuit breaker. N. S. Nelson. 1,803,203; Apr. 28.
Circuit breaker. K. C. Randall. 1,820,709; Aug. 25.
Circuit breaker. L. C. Reed. 1,834,550; Dec. 1.
Circuit breaker. R. Rüdenberg. 1,813,202; July 7.
Circuit breaker. J. Slepian. 1,819,207; Aug. 18.
Circuit breaker. G. Speiser. 1,802,679; Apr. 28.
Circuit breaker. C. A. Uherek. 1,815,340; July 21.
Circuit breaker. E. H. W. Ullrich. 1,810,861; June 16.
Circuit breaker. C. Weigand. 1,800,710; Apr. 14.
Circuit breaker. W. B. Whitney and E. B. Wedmore. 1,820,928; Sept. 1.
Circuit breaker. O. Zingg. 1,798,861; Mar. 31.
Circuit breaker and closer. F. A. Pfeifer. Re18,091; June 2.
Circuit breaker and making the same. M. Mallory. 1,831,184; Nov. 10.
Circuit breaker apparatus. H. H. Rugg. 1,832,833; Nov. 17.
Circuit breaker, Automatic. G. N. Lemmon. 1,821,761; Sept. 1.
Circuit breaker, Automatic. J. Sachs. 1,811,970; June 30.
Circuit breaker, Automatic. J. Sachs. 1,812,842–4; June 30.
Circuit breaker, Automatic. J. Sachs. 1,812,846; June 30.
Circuit breaker, Automatic. J. Sachs. 1,812,847–8; June 30.
Circuit breaker, Automatic. J. Sachs. 1,819,005; Aug. 18.
Circuit breaker, Automatic electric-. A. Lanser. 1,799,693; Apr. 7.
Circuit breaker, Automatically operated. E. C. Raney. 1,825,015; Sept. 29.
Circuit breaker contacts. O. S. Jennings. 1,802,718; Apr. 28.
Circuit-breaker control, High-frequency. L. R. Ludwig. 1,794,970; Mar. 3.
Circuit breaker, Electric. L. C. Grant. 1,826,772; Oct. 13.
Circuit breaker, Electric. L. S. Walle. 1,806,322; May 19.
Circuit breaker, Electromagnetic automatic. H. Trinkl. 1,808,441; June 2.
Circuit breaker for boilers, Automatic. T. J. Niutta. 1,830,672; Nov. 3.
Circuit breaker for ignition devices. M. Schäfer. 1,793,375; Feb. 17.
Circuit breaker for tank-level indicators. R. M. Stafford. 1,791,516; Feb. 10.
Circuit breaker, High speed. A. J. Mottlau. 1,813,191; July 7.
Circuit breaker, High speed oil. R. Rudenberg. 1,820,710; Aug. 25.
Circuit-breaker mechanism, Automatic. E. C. Raney. 1,790,485; Jan. 27.
Circuit breaker, Oil. O. H. Eschholz. 1,825,311; Sept. 29.
Circuit breaker, Oil. H. J. Lingal. 1,834,166; Dec. 1.
Circuit breaker, Oil. S. T. Schofield. 1,822,112; Sept. 8.
Circuit breaker operating device. A. Haller. 1,837,544; Dec. 22.
Circuit-breaker-operating mechanism. E. Hara. 1,796,990; Mar. 17.
Circuit breaker operator. J. C. Rea. 1,835,083; Dec. 8.
Circuit breaker, Periodic reclosing. H. A. Travers. 1,788,134; Jan. 6.
Circuit breaker, Retarded. C. P. Sweeny. 1,818,873; Aug. 11.
Circuit-breaker system, Automatic reclosing. R. A. Fuller. 1,800,014; Apr. 7.
Circuit-breaker system, Automatic reclosing. W. Walty. 1,796,817; Mar. 17.
Circuit-breaker system for large currents, Quick-break. H. Besold. 1,787,931; Jan. 6.
Circuit breaker, Thermostatic. R. H. Maple. 1,812,162; June 30.
Circuit breaker tripping system. G. F. Jones. 1,819,245; Aug. 18.
Circuit breaker, Vacuum. O. H. Eschholz. 1,819,154; Aug. 18.
Circuit breaker, Vacuum. R. Hellmund and R. C. Dickinson. 1,835,596; Dec. 8.
Circuit breaker, Vacuum. C. Kabele. 1,819,420; Aug. 18.
Circuit breaking apparatus. T. E. Murray, T. E. Murray, jr., and J. F. Murray. 1,833,173; Nov. 24.
Circuit-changing mechanism. P. W. Baker. 1,789,922; Jan. 20.
Circuit closer. J. Crookshanks and J. F. Crichton. 1,795,164; Mar. 3.
Circuit closer. A. Dolgin. 1,795,251; Mar. 3.
Circuit closer. F. M. Jacob. 1,806,398; May 19.
Circuit closer. C. W. Johnson. 1,804,622; May 12.
Circuit closer. C. W. Squires. 1,822,461; Sept. 8.
Circuit closer for automobile rear lights. L. E. Obee. 1,825,917; Oct. 6.
Circuit closer, Pendulum controlled. H. J. Murray. 1,805,147; May 12.
Circuit closer, Temperature sensitive electrical. G. H. Brady. 1,832,761; Nov. 17.
Circuit closer, Thermostatic. G. H. Brady. 1,822,472; Sept. 8.
Circuit-closing apparatus. L. Ciomei. 1,797,139; Mar. 10.
Circuit closing device. T. H. Gilbert. 1,813,844; July 7.
Circuit closing device. L. M. Tartaglia. 1,830,298; Nov. 3.
Circuit closing mechanism. J. D. Hilliard. 1,823,738; Sept. 15.
Circuit control. L. Hese. 1,828,321; Oct. 20.
Circuit, Control. C. P. Stocker. 1,818,018; Aug. 11.
Circuit-control apparatus. I. Langmuir. 1,793,329; Feb. 17.
Circuit control mechanism for mechanical refrigerating apparatus. F. R. Erbach. 1,824,774; Sept. 29.
Circuit-control mechanism, Thermal-controlled. H. L. Bradley and G. O. Wilms. 1,797,126; Mar. 17.
Circuit control of train control systems. P. J. Simmen. 1,806,864; May 26.
Circuit control system. J. C. Burkholder. 1,808,916; June 9.
Circuit control system for radio apparatus. C. C. Lauritsen. 1,813,541; July 7.
Circuit controller. J. M. Anderson. 1,796,229; Mar. 10.
Circuit controller. G. W. Berthold. 1,795,359; Mar. 10.
Circuit controller. L. W. Blymyer. 1,795,707; Mar. 10.
Circuit controller. C. T. Evans. 1,825,312; Sept. 29.
Circuit controller. A. J. Shekter. 1,821,727; Sept. 1.
Circuit controller. H. W. Vickery. 1,835,917; Dec. 8.
Circuit controller. W. P. Webber and R. J. Wippermann. 1,833,765; Nov. 24.
Circuit controller and indicating mechanism, Combination. G. S. Faber. 1,838,377; Dec. 29.
Circuit controller, Electric-. F. W. Noffs. 1,798,895; Mar. 31.
Circuit controller, Fluid flow. G. B. Scheibell. 1,836,284; Dec. 15.
Circuit controller, Ignition. F. F. Dorsey. 1,795,937; Mar. 10.
Circuit controller, Pressure operated electric. E. J. Dashner. 1,834,517; Dec. 1.
Circuit controller, Thermally actuated. W. D. King. 1,822,408; Sept. 8.
Circuit controlling apparatus. D. C. Prince. 1,814,851; July 14.
Circuit controlling apparatus, Magnetron. T. Bodde. 1,807,097–8; May 26.
Circuit-controlling appliance, Electric-. J. Sachs. 1,790,324; Jan. 27.
Circuit controlling appliance, Electric. J. Sachs. 1,822,544; Sept. 8.
Circuit-controlling device. J. A. Garell. 1,794,762; Mar. 3.
Circuit controlling device. T. T. Greenwood. 1,834,306; Dec. 1.
Circuit controlling device. R. B. Hunter and R. C. Pauly. 1,808,229; June 2.
Circuit controlling device. P. B. Murphy. 1,828,507; Oct. 20.
Circuit-controlling device. M. H. Shoenberg and L. Schon. 1,789,640; Jan. 20.
Circuit-controlling device. M. H. Shoenberg and L. Schon. 1,795,741; Mar. 10.

Circuit controlling device. M. H. Shoenberg and L. Schon. 1,829,194; Oct. 27.
Circuit controlling means. E. A. Olpp. 1,826,477; Oct. 6.
Circuit controlling means. H. W. Vickery. 1,835,916; Dec. 8.
Circuit controlling mechanism. E. A. Mau. 1,821,559; Sept. 1.
Circuit controlling mechanism. C. F. Schwennker. 1,829,615; Oct. 27.
Circuit controlling mechanism, Alternating current. F. W. Lee and M. W. Pullen. 1,826,894; Oct. 13.
Circuit coupling device, Electric. G. E. A. Pohu. 1,829,109; Oct. 27.
Circuit, Electric. E. A. Everett and M. H. Loughridge. 1,805,764; May 19.
Circuit, Electric. W. Scheppmann. 1,800,962; Apr. 14.
Circuit, Electric control. E. V. Griggs. 1,809,625; June 9.
Circuit, Electric coupling. H. A. Wheeler. 1,831,431; Nov. 10.
Circuit, Electric testing. H. T. Maser. 1,819,908; Aug. 18.
Circuit, Electrical. F. K. Herschmann. 1,803,017; Apr. 28.
Circuit, Electrical amplifier. F. H. Drake and P. O. Farnham. 1,792,970; Feb. 17.
Circuit, Electrical amplifier. P. O. Farnham and R. Asserson. 1,799,093; Mar. 31.
Circuit, Electrical amplifier. L. M. Hull. 1,792,984; Feb. 17.
Circuit, Electrical amplifier. L. M. Hull. 1,793,367; Feb. 17.
Circuit, Electrical balance. C. B. Mirick. 1,822,996; Sept. 15.
Circuit, Electrical amplifier. F. H. Drake and P. O. Farnham. 1,833,638; Nov. 24.
Circuit, Electron-tube. F. B. Llewellyn. 1,788,532; Jan. 13.
Circuit excitation, Plate. G. B. Crouse. 1,835,015; Dec. 8.
Circuit, Filter. A. Hund. 1,822,929; Sept. 15.
Circuit for amplifier tubes. R. H. Holmes. 1,819,511; Aug. 18.
Circuit for automobiles, Control switch. R. K. Winning. 1,809,434; June 9.
Circuit for protecting electric rectifiers from reverse currents. R. Keller. 1,817,084; Aug. 4.
Circuit for simplex printers, Concentration. H. W. Drake and W. B. Blanton. 1,804,327; May 5.
Circuit for vacuum tubes, Protective. J. C. Schelleng. 1,816,913; Aug. 4.
Circuit, Frequency-translating. H. S. Black. 1,800,372; Apr. 14.
Circuit, Harmonic frequency selector and amplifier. R. H. Worrall. 1,834,233; Dec. 1.
Circuit, High frequency generator. J. R. Harrison. 1,834,154–5; Dec. 1.
Circuit hydraulic system, Multiple closed. H. Ernst and L. F. Nenninger. 1,835,978; Dec. 8.
Circuit indicator, Broken-. E. L. Schultz. 1,788,597; Jan. 13.
Circuit, Induction furnace protective. J. V. Breisky and T. H. Long. 1,801,791; Apr. 21.
Circuit interrupter. J. L. Arthur. 1,801,585; Apr. 21.
Circuit interrupter. G. L. Bossard. 1,830,526; Nov. 3.
Circuit interrupter. D. C. Garroway. 1,794,763; Mar. 3.
Circuit interrupter. T. T. Greenwood. 1,832,201; Nov. 17.
Circuit interrupter. A. Kühns. 1,794,965; Mar. 3.
Circuit interrupter. J. N. Mahoney. 1,839,107; Dec. 29.
Circuit interrupter. W. E. McCoy. 1,799,985; Apr. 7.
Circuit interrupter. C. A. Nickle. 1,821,814; Sept. 1.
Circuit interrupter. W. E. Paul. 1,796,160; Mar. 10.
Circuit interrupter. J. F. Peters. 1,819,261; Aug. 18.
Circuit interrupter. R. Rüdenberg. 1,799,988; Apr. 7.
Circuit interrupter. M. H. Shoenberg and L. Schon. 1,806,766; May 26.
Circuit interrupter. M. H. Shoenberg and L. Schon. 1,835,616; Dec. 8.
Circuit interrupter. J. Slepian. 1,836,994; Dec. 15.
Circuit interrupter. O. C. Traver. 1,796,066; Mar. 10.
Circuit interrupter. O. C. Traver. 1,796,131; Mar. 10.
Circuit interrupter. B. Wellman. 1,792,340; Feb. 10.
Circuit interrupter and magnetic arc extinguishing device therefor. G. A. Burnham. 1,816,894; Aug. 4.
Circuit interrupter control system. A. J. A. Peterson. 1,811,476; June 23.
Circuit interrupter, Electric-lamp-socket. J. P. Nielsen. Re18,008; Mar. 24.
Circuit interrupter, High speed. W. Herden. 1,818,801; Aug. 11.
Circuit interrupter, High-speed. J. B. MacNeill. 1,813,181; July 7.
Circuit interrupter, Operating mechanism for oil. R. C. Van Sickle and S. T. Schofield. 1,807,020; May 26.
Circuit interrupting device. W. E. Paul. Re18,257; Nov. 24.
Circuit interrupting device. W. E. Paul. 1,814,847; July 14.
Circuit maker and breaker. F. S. Denison. Re17,993; Mar. 10.
Circuit maker and breaker. L. D. Mabey. 1,798,848; Mar. 31.
Circuit maker and breaker. A. J. Pascarella. 1,823,664; Sept. 15.
Circuit maker and breaker. F. E. Stover. 1,829,117; Oct. 27.
Circuit maker and breaker. C. C. Wilson. 1,802,322; Apr. 21.
Circuit maker or breaker. H. Flach and G. Barthelmie. 1,812,329; June 30.
Circuit maker, Periodic. W. A. Gammack and D. G. Knox. 1,812,090; June 30.
Circuit making and breaking device. C. A. Nickle. 1,821,813; Sept. 1.
Circuit, Noise suppressing. V. E. Legg. 1,811,947; June 30.
Circuit of multi-phase motors, Arrangement for the automatic interrupting of the net. G. Keller. 1,800,256; Apr. 14.
Circuit, Oscillation. W. Kummerer. 1,802,767; Apr. 28.
Circuit, Overflow jack. E. P. Broe. 1,836,106; Dec. 15.
Circuit, Piezo crystal. F. B. Monar. 1,795,343; Mar. 10.
Circuit, Printing telegraph control. J. W. Long. 1,815,786; July 21.
Circuit protection. O. C. Traver. 1,814,869; July 14.
Circuit protective device. P. Thieme. 1,830,573; Nov. 3.
Circuit, Radio receiving. H. B. Coxhead. 1,804,526; May 12.
Circuit, Railway track. H. L. Bone. 1,828,994; Oct. 27.
Circuit, Railway track. A. T. Carter. 1,824,119; Sept. 22.
Circuit, Railway-track. O. S. Field. 1,794,599; Mar. 3.
Circuit, Railway track. B. Lazich. 1,812,208; June 30.
Circuit, Railway track. B. Lazich. 1,823,052; Sept. 15.
Circuit, Receiving. H. D. Currier. 1,813,232; July 7.
Circuit reclosing device. M. J. Seale. 1,818,818; Aug. 11.
Circuit, Rectifier relay. D. Thierbach. 1,823,072; Sept. 15.
Circuit, Relay. R. C. Mathes. 1,810,024; June 16.
Circuit, Relay and discharge tube. H. Nukiyama and K. Nagai. 1,830,238; Nov. 3.
Circuit, Relay control. C. R. Brooks. 1,824,194; Sept. 22.
Circuit, Repeater. B. G. Bjornson. 1,808,915; June 9.
Circuit, Selector testing. N. G. Palmgren. 1,816,790; July 28.
Circuit system, Track-. A. G. Williamson. 1,792,559; Feb. 17.
Circuit system, Train-carried. W. W. Macfarlane. 1,788,882-; Jan. 13.
Circuit, Thermionic tube. I. Podliasky. 1,830,175; Nov. 3.
Circuit, Transmission. G. Jobst. 1,800,536; Apr. 14.
Circuit, Transmitter plate potential equalizing. R. Urtel. 1,813,688; July 7.
Circuit, Vacuum tube. D. F. Whiting. 1,819,629; Aug. 18.
Circuit voltages and currents, Device responsive to unbalance in polyphase. E. Grassot. 1,816,729; July 28.
Circuit voltages, Device responsive to unbalance in polyphase. E. Grassot. 1,816,773; July 28.
Circuit, Volume-control. G. H. Stevenson. 1,788,035; Jan. 6.
Circuit, Wave-meter. E. L. White. 1,788,219; Jan. 6.
Circuit, Wave-suppression. J. F. Farrington. 1,795,484; Mar. 10.
Circuit, Wireless receiving. M. M. Phillips. Re18,140; July 28.
Circuit, Zero correcting. A. M. Curtis and M. Burton. 1,818,463; Aug. 11.
Circuits and compensating for voltage changes impressed thereon, Oscillatory. R. F. Field. 1,813,488; July 7.
Circuits applied to electrical musical instruments and the like, Oscillating. J. Bethenod. 1,809,503; June 9.
Circuits, Connecting device for railroad signal. C. A. Williams. 1,787,461; Jan. 6.
Circuits, Current supply. D. F. Whiting. 1,832,886; Nov. 24.
Circuits, Echo-suppressing and energy-limiting. H. W. O'Neill. 1,788,736; Jan. 13.
Circuits, Electrical. C. B. Fowler. 1,832,292; Nov. 17.
Circuits, Filtering. E. L. Norton. 1,788,538; Jan. 13.
Circuits for alternating current electric railways, Track. G. W. Baughman. 1,815,031; July 21.
Circuits for discharge tubes. C. J. R. H. von Wedel. 1,814,499; July 14.
Circuits for electromagnetic device. H. Whittle. 1,809,879; June 16.
Circuits for electron-discharge devices. G. W. Carpenter. 1,792,275; Feb. 10.
Circuits for radioreceivers, Electrical. S. Ballantine. 1,792,961; Feb. 17.
Circuits for telephone lines, Measuring and monitoring. F. A. Cowan. 1,793,588; Feb. 24.
Circuits, High and low frequency transmission. D. G. Grimley. 1,788,714; Jan. 13.
Circuits in telephone systems, Call-metering. N. E. Nilsson. 1,833,586; Nov. 24.
Circuits into high frequency circuits, Apparatus for converting commercial frequency. H. F. Fisher. 1,838,931; Dec. 29.
Circuits, Mechanism for controlling electric. R. Pudelko. 1,794,244; Feb. 24.
Circuits, Method and apparatus for controlling electric. J. R. Meagher. 1,788,401; Jan. 13.
Circuits, Method and apparatus for interrupting electric. T. T. Greenwood. 1,832,200; Nov. 17.
Circuits, Method of and apparatus for breaking electric. S. M. Viele. 1,796,069; Mar. 10.
Circuits, Method of and apparatus for identifying phases of electric. N. E. Buck, J. H. Warner, and T. P. Lewis. 1,836,788; Dec. 15.
Circuits, Neutralization of the natural capacitive coupling of adjacent. J. L. Finch. 1,799,681; Apr. 7.

Circuits, Neutralized vacuum-tube. R. K. Potter. 1,789,416; Jan. 20.
Circuits. Neutralizing disturbing frequencies in communication. W. D. Cannon. 1,836,575; Dec. 15.
Circuits of telephones, Selectively controlling ringing. C. M. MacGregor. 1,809,176; June 9.
Circuits, Oscillation. R. A. Heising. 1,828,498; Oct. 20.
Circuits, Preventing retroactive effects in audion amplifier. G. A. Somersalo. 1,813,775; July 7.
Circuits, Protecting and interrupting device for electric. A. G. Steinmayer. 1,799,198; Apr. 7.
Circuits, Radio frequency. L. L. Jones. 1,788,197; Jan. 6.
Circuits, Railway crossing signal control. A. E. Hudd and H. E. Hershey. 1,824,207; Sept. 22.
Circuits, Railway track. H. L. Bone. 1,812,192; June 30.
Circuits, Railway track. W. K. Howe. 1,798,674; Mar. 31.
Circuits, Railway track. R. A. McCann. 1,825,236; Sept. 29.
Circuits, Railway track. B. Mishelevich. 1,812,164; June 30.
Circuits, Reducing interference in electrical. K. Lutomirski. 1,828,503; Oct. 20.
Circuits, Relay. B. G. Bjornson. 1,795,924; Mar. 10.
Circuits, Relay-regulating. R. H. Lindsay. 1,800,304–5; Apr. 14.
Circuits, System for counteracting undesired oscillations in alternating current. T. H. Burns. 1,831,340; Nov. 10.
Circuits, Three-phase wired radio receiving. R. D. Duncan, jr. 1,800,820; Apr. 14.
Circuits, Transmission. T. C. Fry. 1,799,810; Apr. 7.
Circuits. Vacuum-tube. E. Peterson and H. P. Evans. 1,800,901; Apr. 14.
Circuits, Voice operated relay. B. G. Bjornson. 1,810,004; June 16.
Circuits, Voice operated relay. J. L. Hogg. 1,810,016; June 16.
Circulating device. F. M. Harm. Re18,303; Dec. 29.
Circulating device for hot water heating system. A. E. Crowhurst. 1,835,284; Dec. 8.
Circulating head. L. A. Parker. 1,827,257; Oct. 13.
Circulating system for oils or other liquids, Automatically-controlled. E. W. H. Rennick. 1,789,841; Jan. 20.
Circulating system for pulp digesters. D. B. Davies. 1,817,129; Aug. 4.
Circulating system, Water. C. L. McCuen. 1,822,857; Sept. 8.
Circulation boiler, Multiple. H. J. S. MacKay. 1,822,228; Sept. 8.
Circulation of the electrolyte in pressure decomposers with a separate circulation of the anolyte and catholyte, Regulating the. H. Niederreither and W. Ernst. 1,819,917; Aug. 18.
Circulatory system for refrigerated counters. J. K. Bond. 1,818,034; Aug. 11.
Clamp: *See*—
Adjustable clamp.
Aerial grade clamp.
Battery-post clamp.
Battery terminal clamp
Beam form clamp.
Belt clamp.
Bench clamp.
Binder clamp.
Bone-fracture clamp.
Box clamp.
Cabinet clamp.
Cable and strand clamp.
Cable clamp.
Can clamp.
Car replacer clamp.
Chain clamp.
Column clamp.
Concrete-column clamp.
Concrete form clamp.
Conductor clamp.
Conductor-releasing clamp.
Conduit and pipe clamp.
Conduit clamp.
Dead end clamp.
Derrick-leg clamp.
Drilling clamp.
Drive clamp.
Faucet clamp.
Fence-post clamp.
Form clamp.
Fuse clamp.
Grade clamp.
Ground clamp.
Grounding clamp.
Hair waving clamp.
Handle clamp.
Heel plate clamp.
Hood clamp.
Hose clamp.
Insulating clamp.
Lead clamp.
License-plate clamp.
Luggage clamp.
Manifold clamp.
Marcel wave wrapper clamp.
Newspaper clamp.
Ornament-attaching clamp.
Paper clamp.
Pinning clamp.
Pipe clamp.
Pipe-supporting clamp.
Plate clamp.
Pneumatic clamp.
Pull rod clamp
Rail clamp.
Releasing clamp.
Rod or pipe clamp.
Screw clamp.
Shank holding clamp.
Sheet handling clamp.
Sign frame clamp.
Skate clamp.
Slider rail clamp.
Stud clamp.
Suspension clamp.
Terminal clamp.
Tie and rail clamp.
Toggle clamp.
Track clamp.
Traction clamp.
Trim clamp.
Tripod clamp.
Tube clamp.
Wire clamp.
Wire line clamp
Wire rope clamp.
Woodworker's clamp.
Work holding clamp.
Clamp. J. N. Cayo. 1,801,222; Apr. 14.
Clamp. J. Golnick. 1,804,007; May 5.
Clamp. C. C. Hansen. 1,827,195; Oct. 13.
Clamp. D. S. Keen. 1,794,179; Feb. 24.
Clamp. H. E. King. 1,821,163; Sept. 1.
Clamp. W. J. McKee. 1,810,777; June 16.
Clamp. G. M. Mortenson. 1,808,059; June 2.
Clamp. R. S. Mueller. 1,794,976; Mar. 3.
Clamp. L. Needlman. 1,825,327; Sept. 29.
Clamp. J. Olson. 1,830,558; Nov. 3.
Clamp. W. J. O'Neill. 1,823,465; Sept. 15.
Clamp. G. E. Palmer. 1,811,518; June 23.
Clamp. J. F. Roberts. 1,825,207; Sept. 29.
Clamp. A. M. Rossman. 1,803,508; May 5.
Clamp. R. Ruemelin. 1,816,197; July 28.
Clamp. A. T. Scannell. 1,825,425; Sept. 29.
Clamp. H. M. Stieglitz. 1,793,261; Feb. 17.
Clamp. C. E. Stocks. 1,805,425; May 12.
Clamp. A. J. Thompson. 1,795,808; Mar. 10.
Clamp. W. L. Trautner. 1,795,525; Mar. 10.
Clamp and arm for rock drills and the like. J. Pricco. 1,821,403; Sept. 1.
Clamp and block, Strap. R. W. Lord. 1,815,414; July 21.
Clamp and hook for cables and ropes, Combined. J. J. A. Miller. 1,790,631; Feb. 10.
Clamp and lifter for fruit packing tubs, Combined. S. H. Sheller. 1,810,257; June 16.
Clamp and light housing, Instrument. J. E. Eshbaugh. 1,809,682; June 9.
Clamp and shoe last vise. J. Rattazzi. 1,820,492; Aug. 25.
Clamp and shoe last vise. J. Rattazzi. 1,837,728; Dec. 22.
Clamp collar. H. O. Rastetter. 1,812,117; June 30.
Clamp connecter, Electrical. A. B. Dibner. 1,797,904; Mar. 24.
Clamp device. J. Verderber. 1,809,576; June 9.
Clamp flange for spring hinges and the like, Adjustable. W. J. Keene. 1,808,308; June 2.
Clamp for a machine for forming paper containers. L. P. Toscano. 1,820,102; Aug. 25.
Clamp for battery terminal posts. T. Hofman. 1,808,775; June 9.
Clamp for cables or the like. A. O. Austin. 1,825,650; Oct. 6.
Clamp for cables or the like. A. O. Austin. 1,828,306; Oct. 20.
Clamp for conductors. K. Krolzig. 1,819,750; Aug. 18.
Clamp for derricks. J. D. McEwen. 1,795,032; Mar. 3.
Clamp for dial records, Paper. C. E. Larrabee. 1,791,761; Feb. 10.
Clamp for gas or liquid-proof housings, Hinged. A. H. Bakken. 1,810,066; June 16.
Clamp for hose or compressible tubing. R. W. McBrien. 1,789,013; Jan. 13.
Clamp for machine tools, Overarm. J. B. Armitage. 1,799,493; Apr. 7.
Clamp for mounting insulator to face of sign or other object, Split. E. F. Hogan. 1,815,913; July 28.
Clamp for panel instruments. A. Urfer. 1,835,728; Dec. 8.
Clamp for paper cutters. W. L. Valiquette. 1,811,483; June 23.
Clamp for pin setting apparatus, Pin. J. C. Backus. 1,833,814; Nov. 24.
Clamp for pipes. V. H. Harbert. 1,787,446; Jan. 6.
Clamp for poles, Flag. F. W. Coffing. 1,819,768; Aug. 18.
Clamp for radial drills, Electrically operated column. W. C. De Roo. 1,825,181; Sept. 29.
Clamp for sewing machines, Work. E. B. Allen. 1,823,522; Sept. 15.
Clamp for shingles. A. L. Harvey. 1,790,860; Feb. 3.
Clamp for storage batteries, Terminal. H. Gillar. 1,810,396; June 16.
Clamp for store front construction, Corner. F. and I. Himmel. Des. 84,192; May 19.
Clamp for store front construction, Corner. F. and I. Himmel. 1,801,273; Apr. 21.
Clamp for windshields. J. S. Kern and O. L. Currier. 1,823,202; Sept. 15.
Clamp for wire fence structures. J. Bradford. 1,825,176; Sept. 29.
Clamp-head railroad spike, Detachable. L. Koen. 1,817,569; Aug. 4.
Clamp mechanism, Neck-band. T. J. Yates. 1,813,522; July 7.
Clamp or clothespin. L. H. Tangen. 1,810,304; June 16.
Clamp retaining device, Safety. A. R. Sitz and W. Malcik. 1,831,513; Nov. 10.
Clamp rod assembly. B. A. Brittain. 1,836,524; Dec. 15.
Clamping and adjusting device for grain cleaning shoes, Sieve. A. B. Welty. 1,832,955; Nov. 24.
Clamping band device for pouring pipe joints. T. A. Ward. 1,832,067; Nov. 17.
Clamping device. W. K. Andrew and P. E. Butzin. 1,788,652; Jan. 13.
Clamping device. J. F. Barry. 1,804,140; May 5.
Clamping device. C. H. Hiser. 1,799,464; Apr. 7.
Clamping device. W. N. Mischler. 1,799,019; Mar. 31.
Clamping device. E. P. Tournier. 1,818,659; Aug. 11.
Clamping device. V. E. Walters and I. Grant. 1,805,443; May 12.
Clamping device. M. Wetzler. 1,809,768; June 9.
Clamping device. J. M. Willard. 1,815,386; July 21.
Clamping device, Electric fuse. F. A. Young. 1,836,890; Dec. 15.
Clamping device for coke-oven doors. J. H. Gleason. 1,798,599; Mar. 31.
Clamping device or holder, Golf club. A. E. Buhrke. 1,835,632; Dec. 8.
Clamping device, Turret. G. M. Class. 1,813,484; July 7.

Clamping means, Over-arm-. G. D. Sundstrand. 1,800,267; Apr. 14.
Clamping vise. A. H. C. Trepte. 1,798,342; Mar. 31.
Clamps, Making conductor. C. S. Card. 1,823,561; Sept. 15.
Clamps, Making stamped. F. D. Wenn. 1,834,663; Dec. 1.
Clarifying apparatus. G. Raymond. 1,793,510; Feb. 24.
Clarifying plant. F. Mieder. 1,792,919; Feb. 17.
Clarinet. E. J. Gulick. 1,805,449; May 12.
Clarinet. A. Loomis. 1,837,823; Dec. 22.
Clarinet. F. Stein. 1,805,929; May 19.
Clarinet and manufacture thereof. E. J. Gulick. 1,809,380; June 9.
Clarinet construction. A. Ciciotti. 1,827,069; Oct. 13.
Clasp: *See*—
Bracelet clasp.
Brooch clasp.
Garment clasp.
Hair clasp.
Jewelry clasp.
Lingerie clasp.
Locking clasp.
Necklace clasp.
Necktie clasp.
Shoe clasp.
Wrist-strap clasp.
Clasp. C. C. Kulp. 1,826,181; Oct. 6.
Clasp. J. H. Lancor. 1,822,595; Sept. 8.
Clasp. E. Morehouse. 1,829,232; Oct. 27.
Clasp. W. P. Sprague. 1,822,460; Sept. 8.
Clasp and clasp supporter dental restoration. C. C. Kunde. 1,819,296; Aug. 18.
Clasp fastening, Sliding. M. Winterhalter. 1,810,807; June 16.
Clasp for automobile tire chain. E. J. Martel. 1,818,998; Aug. 18.
Clasp for bracelets and the like, Expansion. H. Hartman and J. A. Browne. 1,798,602; Mar. 31.
Clasp for jewelry. J. Kreisler. 1,795,609; Mar. 10.
Clasp for neckties. L. E. Baer. 1,818,292; Aug. 11.
Clasp for wrist-watch bands. E. F. Herschede. 1,792,742; Feb. 17.
Clasp or toggle. L. H. Teel. 1,797,452; Mar. 24.
Clasping device for bracelets. C. H. Kestenman. 1,826,887; Oct. 13.
Clasping device for flexible bracelet or the like. C. H. Kestenman. 1,820,393; Aug. 25.
Clasping device for wrist watch straps, bracelets, and the like. C. H. Kestenman. 1,809,178; June 9.
Clasps, Device for applying hooked. S. Tchayeff. 1,804,071; May 5.
Clasps for bracelets, straps, linkages, or the like. C. H. Kestenman. 1,814,475; July 14.
Class ring. A. B. D'Ippolito. Des. 83,430; Feb. 24.
Classification apparatus. A. D. Marriott. 1,827,894; Oct. 20.
Classifying patrons, Device and method of. L. O. Beck. 1,806,142; May 19.
Clavicle apparatus. W. C. MacDonald. 1,808,422; June 2.
Claw crowbar. A. Jacquesson. 1,827,363; Oct. 13.
Clay and other aluminous raw materials, Extracting. O. Jonas, K. Weger, and G. Trebitz. 1,796,107; Mar. 10.
Clay and producing same, Actuated. W. S. Baylis. 1,819,496; Aug. 18.
Clay ball disintegrator. L. O. Bates. 1,828,589; Oct. 20.
Clay disintegrator. T. C. and W. O. Prouty. 1,808,509; June 2.
Clay gun. W. Johnston, jr. 1,825,734; Oct. 6.
Clay, Manufacture of adsorbent. T. L. Henderson and W. Kelley. 1,800,687; Apr. 14.
Clay product, ceramic composition and associated process. T. S. Curtis. 1,803,999; May 5.
Clay product, Extruding a bloated. K. Slidell. 1,818,101; Aug. 11.
Clay products and the product, Flashing. F. K. Pence. 1,802,776; Apr. 28.
Clay products having spiral centers, Forming. M. A. Knight and A. Baird. 1,833,465; Nov. 24.
Clay, Purification and treatment of. W. Feldenheimer. 1,791,959; Feb. 10.
Clay texturing machine. E. G. and C. S. Finzer. 1,815,469; July 21.
Clay, Treating. W. R. Jeavons and M. J. Rentschler. 1,808,231; June 2.
Clay ware or kindred products, Method and apparatus for drying. F. M. Hartford. 1,793,086; Feb. 17.
Cleaner: *See*—
Air cleaner.
Air-heater cleaner.
Boiler cleaner.
Boiler-tube cleaner.
Bolting-cloth cleaner.
Box cleaner.
Brick cleaner.
Carpet and floor cleaner.
Chimney cleaner.
Coal cleaner.
Comb cleaner.
Cooling system cleaner.
Cotton cleaner.
Cotton seed cleaner.
Disk cleaner.
Drain cleaner.
Dropping board cleaner.
Eraser cleaner.
Flue cleaner.
Fluid cleaner.
Fork and grid cleaner.
Meat grinder cleaner.
Mote and waste cleaner.
Oil cleaner.
Oil well cleaner.
Pipe cleaner.
Pneumatic cleaner.
Pot and pan cleaner.
Rack screen cleaner.
Radiator cleaner.
Rotary cleaner.
Section cleaner.
Sewer cleaner.
Smoke cleaner.
Socket cleaner.
Spark plug cleaner.
Stovepipe cleaner.
Street cleaner.
Suction cleaner.
Teat cup cleaner.
Thread cleaner.
Tongue cleaner.
Tube and pipe cleaner.
Tube cleaner.
Vacuum cleaner.
Well tube cleaner.
Window cleaner.
Windshield cleaner.
Cleaner. I. L. Holland and R. W. Klaus. 1,809,970; June 16.
Cleaner. J. R. Robinson. 1,788,205; Jan. 6.
Cleaner. H. B. White. 1,815,225; July 21.
Cleaner agitator, Suction. C. L. Shank. 1,815,077; July 21.
Cleaner agitator, Suction. H. B. White. 1,815,084; July 21.
Cleaner and depth gauge, Combined rake. W. Sprague. 1,816,703; July 28.
Cleaner and grader, Grain-. J. E. Runge. 1,793,017; Feb. 17.
Cleaner and hull extractor. J. J. Wallace. 1,806,032; May 19.
Cleaner and ring compressor, Piston groove. M. L. Decker. 1,819,321; Aug. 18.
Cleaner apparatus. H. H. Wright. 1,838,205; Dec. 29.
Cleaner apparatus, Vacuum. W. T. Pritchard. 1,804,809; May 12.
Cleaner attachment for paper driers. A. E. Broughton. 1,794,059; Feb. 24.
Cleaner attachment, Suction. E. F. Martinet. 1,812,493; June 30.
Cleaner control, Hydraulic. E. Stump. 1,806,923; May 26.
Cleaner for boilers, Soot. F. W. Linaker. 1,802,821; Apr. 28.
Cleaner for carburetors, Air. H. Menz. 1,802,729; Apr. 28.
Cleaner for condenser tubes and the like, Plug. E. Walker. 1,837,842; Dec. 22.
Cleaner for crank-case ventilation, Air. C. H. Dearborn. 1,792,824; Feb. 17.
Cleaner for dust mops, Electric. C. O. Swanson. 1,799,833; Apr. 7.
Cleaner for paper driers. A. E. Broughton. 1,794,058; Feb. 24.
Cleaner for planters, Runner. E. H. Colson. 1,815,497; July 21.
Cleaner for preheaters, Steam. T. G. Hoglund. 1,814,040; July 14.
Cleaner for sanding machines. C. S. Winsor. 1,791,917; Feb. 10.
Cleaner for the flue gas channels of preheaters. E. Haber. 1,801,811; Apr. 21.
Cleaner for tractors, Wheel. E. Pagaard. 1,808,861; June 9.
Cleaners, Device for dispensing pipe. T. S. Fuller. 1,805,619; May 19.
Cleaners, Supporting device for. A. O. Engberg and F. Carlstedt. 1,792,007; Feb. 10.
Cleaning and oiling device for driers, Roller. C. W. Linfesty. 1,791,728; Feb. 10.
Cleaning and polishing apparatus. E. E. Gudka. 1,838,481; Dec. 29.
Cleaning and polishing composition, Silver. C. Raisch. 1,795,676; Mar. 10.
Cleaning and polishing compound. J. G. Fancy. 1,798,075; Mar. 24.
Cleaning and preserving of metallic surfaces. D. H. Tompkins. 1,808,186; June 2.
Cleaning apparatus. J. W. Anderson. 1,832,441; Nov. 17.
Cleaning apparatus. R. H. Cramer. 1,839,172; Dec. 29.
Cleaning apparatus. J. K. Hencken. 1,796,458; Mar. 17.
Cleaning apparatus. W. F. Liska. 1,796,527; Mar. 17.
Cleaning apparatus. F. W. Miller. 1,820,316; Aug. 25.
Cleaning apparatus. F. A. Teeple, jr. 1,801,888; Apr. 21.
Cleaning apparatus, Automobile. H. Lydiksen. 1,801,438; Apr. 21.
Cleaning apparatus, Ballast-. W. Elmer. 1,793,389; Feb. 17.
Cleaning apparatus, Coal-. H. L. McLean. 1,792,179; Feb. 10.
Cleaning apparatus, Dry-. P. L. Dorner. 1,788,085; Jan. 6.
Cleaning apparatus for rugs, carpets, and other heavy fabrics. E. Garmsen. 1,831,298; Nov. 10.
Cleaning apparatus, Vacuum. H. R. Maddocks. 1,801,966; Apr. 21.
Cleaning apparatus, Window-. L. C. Neilson. 1,798,215; Mar. 31.
Cleaning block. H. S. and M. L. Cooper. 1,822,725; Sept. 8.
Cleaning composition. S. W. Putman and N. Poffenberger. 1,817,582; Aug. 4.
Cleaning composition. T. J. Stinson. 1,817,276; Aug. 4.
Cleaning compound. A. J. English. 1,823,192; Sept. 15.
Cleaning device. J. Bropson. 1,825,851; Oct. 6.
Cleaning device. G. L. Cherry. 1,815,238; July 21.
Cleaning device. J. A. Dolan. 1,793,307; Feb. 17.
Cleaning device. L. L. Farley. 1,818,388; Aug. 11.
Cleaning device. H. W. Gamel and C. D. Holmes. 1,815,197; July 21.
Cleaning device. T. G. Johnson. 1,792,589; Feb. 17.
Cleaning device. D. M. Lovett. 1,829,287; Oct. 27.
Cleaning device. S. L. Smith. 1,801,118; Apr. 14.
Cleaning device. J. Szodomka. 1,796,130; Mar. 10.
Cleaning device. E. B. Taggart. 1,837,299; Dec. 22.
Cleaning device, Car-. H. W. Smith. 1,787,646; Jan. 6.

Cleaning device, Doctor. J. E. Woodbury. 1,833,767; Nov. 24.
Cleaning device for atomizers, Automatic. J. W. Jackson. 1,798,606; Mar. 31.
Cleaning device for radio tuning dials. H. C. Baker and O. A. Ross. 1,826,715; Oct. 13.
Cleaning device for trucks. J. Coutin. 1,826,460; Oct. 6.
Cleaning device, Golf ball. F. M. Case. 1,823,347; Sept. 15.
Cleaning device, Mop. A. S. Powell. 1,788,844; Jan. 13.
Cleaning device, Precipitator. C. W. J. Hedberg and H. A. Wintermute. 1,794,074; Feb. 24.
Cleaning device, Steam. C. E. Lucke. 1,811,399; June 23.
Cleaning device, Tank-. A. Fletcher. 1,788,094; Jan. 6.
Cleaning device, Well. L. B. MacGregor and A. E. Spear. 1,806,073; May 19.
Cleaning device, Window-. E. S. Gordon. 1,790,466; Jan. 27.
Cleaning device, Window-. A Schempp. 1,788,846; Jan. 13.
Cleaning, dyeing, drying and the like, Device for. C. G. Munters. 1,819,618; Aug. 18.
Cleaning implement. F. W. Adams. 1,795,159; Mar. 3.
Cleaning implement. A. Lazzarini. 1,797,614; Mar. 24.
Cleaning machine. H. D. Day. 1,796,704; Mar. 17.
Cleaning machine. J. J. M. Elias. 1,837,610; Dec. 22.
Cleaning machine. C. Picker. 1,827,905; Oct. 20.
Cleaning machine. P. J. Shampay. 1,832,839; Nov. 17.
Cleaning machine, Ballast-. J. L. Dobbins and P. Ursino. 1,792,148; Feb. 10.
Cleaning machine, Bottle-. G. J. Meyer. 1,787,993; Jan. 6.
Cleaning machine, Carpet. S. Chase, 4th, G. H. Palm, and R. S. and B. S. Pfeiffer. 1,806,237; May 19.
Cleaning machine, Grain. C. Steidle. 1,801,392; Apr. 21.
Cleaning machine, Meat-block-. S. Ardron. 1,796,700; Mar. 17.
Cleaning-material feeder. N. W. Halsey. 1,791,203; Feb. 3.
Cleaning means. H. A. Cutting. 1,803,693; May 5.
Cleaning mechanism. F. R. Ryberg. 1,802,837; Apr. 28.
Cleaning mechanism, Belt-. A. C. Thomas. 1,791,482; Feb. 3.
Cleaning mechanism, Fabric. H. Hemmerich. 1,809,122; June 9.
Cleaning, Method and apparatus for dry. J. F. Boiney. 1,795,006; Mar. 3.
Cleaning operations, Appparatus for use in dry. T. E. Perks. 1,802,034; April 21.
Cleaning or polishing articles, Apparatus for. W. C. Stevens. 1,799,332; Apr. 7.
Cleaning pad. R. Busch, sr. 1,808,834; June 9.
Cleaning, sanding, and polishing machine. M. Vargo. 1,807,765; June 2.
Cleaning solutions, Purifying system for dry. J. Wiesman. 1,820,334; Aug. 25.
Cleaning system, Closed dry. W. C. Glover. 1,814,212; July 14.
Clean-out fitting, Noncorrodible. E. W. N. Boosey. 1,796,077; Mar. 10.
Cleansing device for rock drills. C. C. Hansen. 1,816,324; July 28.
Cleansing system and device for air filters. A. Adams, jr., and W. L. Richards. 1,807,950; June 2.
Clearance mechanism. R. L. Wilcox. 1,799,342; Apr. 7.
Clearance mechanism for improperly aligned articles. R. L. Wilcox. 1,805,123; May 12.
Cleat for boats and the like, Mooring. W. D. McClellan. 1,811,400; June 23.
Cleat for vehicle wheels, Traction. S. D. Brown and C. E. Shook. 1,822,582; Sept. 8.
Cleat for wheels, Traction. E. E. Einfeldt. 1,829,823; Nov. 3.
Clip; *See*—

Band-wire clip.
Bar clip.
Boiler tube cleaner.
Cabling clip.
Card supporting clip.
Cartridge clip.
Centering clip.
Chain clip.
Chimney cleaner.
Desk clip.
Desk plate clip.
Fastener clip.
Fastening clip.
Finger nail clip.
Furring clip.
Hair clip.
Hair wave pin clip.
Hanger clip.
Jack clip.
Lath attaching clip.
Marker clip.
Necktie-attaching clip.
Partition clip.
Pen and pencil clip.
Pen clip.
Pipe clip.
Rivet set clip.
Roofing clip.
Shingle clip.
Soffit clip.
Spring clip.
Stenter clip.
Suction cleaner.
Tenter clip.
Test clip.
Toy railway track clip.
Windshield cleaner.

Clip. C. A. Bulkeley. 1,809,400; June 9.
Clip. C. A. Bulkeley. 1,816,469; July 28.
Clip. E. J. Casper. 1,797,716; Mar. 24.
Clip. R. W. Cook. 1,823,317; Sept. 15.
Clip. G. B. Dusinberre. 1,797,467; Mar. 24.
Clip. B. F. Horsting and G. C. Leppla. 1,815,006; July 14.
Clip. B. F. Horsting and G. C. Leppla. 1,817,149; Aug. 4.
Clip. D. McLeod, jr. 1,805,833; May 19.
Cleat, Halyard. W. A. Sague. 1,808,791; June 9.
Cleat, Shoe. I. I. Tubbs. 1,799,334; Apr. 7.
Clevis. H. C. Lord. 1,810,972; June 23.
Clevis for brakes. P. B. Camp. 1,805,805; May 19.
Clevis, Hoisting. B. S. Minor. 1,803,721; May 5.
Clichés for two, three, or more color prints, lantern slides, and colored windows and the like, Producing. L. O. van Straaten. 1,811,600; June 23.
Climates, Method and apparatus for producing artificial. J. M. Le Grand. 1,827,530; Oct. 13.
Climber. W. H. Buckingham. 1,789,332; Jan. 20.
Climbing or lifting jack. G. T. Burrell and A. V. Jackson. 1,804,858; May 12.
Clinometer. C. C. McBride. 1,836,079; Dec. 15.
Clip. S. E. Taylor and G. E. Perry. 1,795,622; Mar. 10.
Clip. G. R. Unkefer. 1,836,414; Dec. 15.
Clip and attaching the same, Fastening. G. Larsen. 1,808,779; June 9.
Clip, band, and wire fastener, Corrugated-iron. J. Widman. 1,792,952; Feb. 17.
Clip, clasp, and like fastening for neckties. H. Hengstler. 1,810,077; June 16.
Clip construction. L. W. Kennedy. 1,827,021; Oct. 13.
Clip for a fountain pen or similar article. M. Gold. Des. 84,139; May 12.
Clip for a fountain pen or the like. A Bienenstein. Des. 83,591; Mar. 10.
Clip for ammunition, Reversible. J. D. Pedersen. 1,815,524; July 21.
Clip for building construction F. M. Venzie. 1,836,828; Dec. 15.
Clip for cartridges, Reversible en bloc. J. D. Pedersen. 1,821,526; Sept. 1.
Clip for electrodes. M. E. Harvey. 1,799,747; Apr. 7.
Clip for fountain pens or the like. S. Nakahara. 1,800,029; Apr. 7.
Clip for holding paper together. W. H. Heard. 1,815,774; July 21.
Clip for neckties or the like. A. W. Lindquist. Des. 83,116; Jan. 20.
Clip for pens, pencils and the like. W. Gordon. 1,834,151; Dec. 1.
Clip for pocket instruments. J. P. Lynn. 1,827,324; Oct. 13.
Clip for securing articles to cloth. T. Kovacs. 1,812,536; June 30.
Clip for supporting structural members. W. Reinhold. 1,834,739; Dec. 1.
Clip for writing instruments. W. R. Cuthbert. 1,794,154; Feb. 24.
Clip or similar article, Napkin. H. Welden. Des. 84,967; Aug. 25.
Clip structures for fountain-pen caps, pencils and the like. H. Krause. 1,808,045; June 2.
Clipper. W. J. Van Osdel. 1,833,191; Nov. 24.
Clipper and grass cutter, Combined hedge. W. G. Heimerdinger. 1,827,149; Oct. 13.
Clipper and massage vibrator, Combined hair. D. Perlman. 1,835,613; Dec. 8.
Clipper, Electric hair. A. J. Dremel. 1,810,469; June 16.
Clipper, Grass. R. F. Huxman. 1,823,199; Sept. 15.
Clipper, Hair. J. Kaufmann. 1,799,907; Apr. 7.
Clipper, Hair. C. L. Redfield. 1,834,737; Dec. 1.
Clipper, Hand. J. Oster. 1,803,345; May 5.
Clipper, Hand. L. J. Wahl. 1,809,459; June 9.
Clippers. A. L. Nylander. 1,789,370; Jan. 20.
Clippers. O. F. Peterson. 1,822,311; Sept. 8.
Clock. P. Baumgarten. 1,822,195; Sept. 8.
Clock. H. I. Marmorstein. 1,821,066; Sept. 1.
Clock. S. Mazur. 1,837,462; Dec. 22.
Clock. E. McLeary and D. Lamb. 1,792,435; Feb. 10.
Clock. A. J. Schuler. Des. 84,262; May 26.
Clock. M. Specials. 1,807,497; May 26.
Clock. M. Torok. 1,832,753; Nov. 17.
Clock. R. H. Whitehead and W. E. Porter. 1,827,179; Oct. 13.
Clock, Alarm illuminator. E. Flohr. 1,807,976; June 2.
Clock, Alternating-current. L. Hammond. 1,796,649; Mar. 17.
Clock, Alternating-current. L. Hammond. 1,797,912; Mar. 24.
Clock. Alternating current. S. L. Schiff. 1,838,501; Dec. 29.
Clock and lamp, Combination. F. Brown. Des. 84,975; Sept. 1.
Clock attachment for electrical connecters, Alarm-. A. C. Alves. 1,794,820; Mar. 3.
Clock, Automobile parking. L. G. Larson. 1,835,065; Dec. 8.
Clock case. B. Akines. Des. 85,507; Nov. 10.
Clock case. E. Bourquin. Des. 83,789; Mar. 31.
Clock case. R. D. Budlong. Des. 85,026–7; Sept. 8.
Clock-case. E. L. Carlson. Des. 84,623; July 14.
Clock case. H. Chirelstein. Des. 85,573; Nov. 17.
Clock case. D. J. De Pree. Des. 85,368; Oct. 20.
Clock case. I. Dinstman. Des. 85,739–41; Dec. 15.
Clock case. F. J. Dornseif. Des. 84,400 4; June 16.
Clock case. G. A. Gast. Des. 85,472; Nov. 3.
Clock case. G. Graff. Des. 84,890; Aug. 18.
Clock case. G. Graff. Des. 85,094–5; Sept. 15.
Clock case. A. M. Holstein. Des. 85,180; Sept. 22.
Clock case. A. M. Holstein. Des. 85,647; Dec. 1.
Clock case. M. Jauch. Des. 83,810; Mar. 31.
Clock case. I. Jeppsson. Des. 85,652; Dec. 1.
Clock case. M. H. Kaefer. Des. 85,099; Sept. 15.
Clock case. G. M. Long. Des. 83,627; Mar. 10.

Clock case. G. M. Long. Des. 84,837–8; Aug. 11.
Clock case. J. Manoil. Des. 83,556; Mar. 3.
Clock case. S. Pond. Des. 84,953; Aug. 25.
Clock case. H. C. Richardson. Des. 83,992; Apr. 21.
Clock case. H. C. Richardson. Des. 84,595; July 7.
Clock case. H. C. Richardson. Des. 84,754; July 28.
Clock case. B. A. Schiff. Des. 84,600; July 7.
Clock case. M. Schlenker. Des. 85,665; Dec. 1.
Clock case. G. H. Stephens. Des. 84,263; May 26.
Clock case. G. H. Stephens. Des. 85,011; Sept. 1.
Clock case. G. H. Stephens and R. D. Budlong. Des. 85,603–4; Nov. 17.
Clock case. N. L. Stevens. Des. 83,882; Apr. 7.
Clock case. J. B. Westover. Des. 84,771; July 28.
Clock case. E. Worthington. 85,071–2; Sept. 8.
Clock case and radiocabinet, Combined. C. Gianini. Des. 83,041; Jan. 13.
Clock case and shelving, Combined. H. Miller. Des. 84,358; June 9.
Clock case, Desk. J. J. Gatesy. Des. 83,253; Feb. 10.
Clock case, Electric. I. Florman. Des. 84,635; July 14.
Clock case or similar article. A. Levy. Des. 82,999; Jan. 6.
Clock case or similar article. G. Mulligan. Des. 85,195; Sept. 22.
Clock case or similar article. G. H. Stephens. Des. 84,118; May 5.
Clock casing. E. A. Farr. Des. 83,600; Mar. 10.
Clock casing. I. H. Jones. Des. 84,640; July 14.
Clock, Coin controlled savings. A. T. Hammarstrand and N. M. Lagerkrans. 1,816,649; July 28.
Clock controlled switch. J. Steinhauser. 1,804,125; May 5.
Clock correction, Electric time. G. F. Harter. 1,822,144-5; Sept. 8.
Clock, Demountable. E. L. Carlson. 1,832,359; Nov. 17.
Clock dial. R. J. Eylmann. Des. 83,318; Feb. 17.
Clock dial. E. Ingraham. Des. 85,239; Sept. 29.
Clock dial. G. H. Stephans. Des. 85,010; Sept. 1.
Clock dial or similar article. F. Weindel, jr. Des. 85,357–8; Oct. 13.
Clock driving mechanism, Electric. M. H. Kaefer. 1,802,056; Apr. 21.
Clock driving mechanism, Electric. M. Schlenker. 1,801,985; Apr. 21.
Clock, Electric. T. R. Arden. 1,838,069; Dec. 22.
Clock, Electric. J. E. Brobst. 1,797,044; Mar. 17.
Clock, Electric. E. L. Carlson. 1,802,333–4; Apr. 28.
Clock, Electric. W. E. Porter. 1,821,897; Sept. 1.
Clock, Electric. K. G. Williams. 1,793,984; Feb. 24.
Clock, Electric self-winding. S. Pavky. 1,837,833; Dec. 22.
Clock, Electrically operated. L. J. Stern. 1,821,820; Sept. 1.
Clock, Electrically wound. C. E. De Long. 1,801,543; Apr. 21.
Clock, Electrically-wound. C. I. Hall. 1,800,016; Apr. 7.
Clock, Electrically-wound. H. E. Warren. 1,795,189; Mar. 3.
Clock, Electrically-wound. R. H. Wilmeth. 1,787,697; Jan. 6.
Clock escapement, Magnetic. H. S. Baker. 1,825,382; Sept. 29.
Clock escapement verge rod, Self leveling. L. Copelin. 1,806,966; May 26.
Clock for alarm systems. A. B. Chapman. 1,818,958; Aug. 11.
Clock frame and making same. P. Siptrott. 1,789,602; Jan. 20.
Clock, Illuminated. E. A. Meyer. 1,804,999; May 12.
Clock mechanism. F. A. Feldkamp. 1,820,386; Aug. 25.
Clock mechanism. F. M. Fichten. 1,814,679; July 14.
Clock mechanism, Alarm-. R. Dohnalek. 1,792,365; Feb. 10.
Clock mechanism, Electric. A. F. Poole. 1,831,260; Nov. 10.
Clock motor, Synchronous. J. I. Liner. 1,835,505; Dec. 8.
Clock, Musical hour striking. P. B. Reeves. 1,832,658; Nov. 17.
Clock operating mechanism. H. Gillette. 1,818,613; Aug. 11.
Clock or article of analogous nature. F. Lo Castro. Des. 83,625; Mar. 10.
Clock, Oscillating armature secondary. C. E. Larrabee. 1,821,100; Sept. 1.
Clock, Reminder. C. R. Gains. 1,821,628; Sept. 1.
Clock resetting device. B. Chapman. 1,830,750; Nov. 10.
Clock, Savings box. A. G. P. Wiingaard. 1,806,324; May 19.
Clock, Secondary. C. E. Larrabee. 1,830,762; Nov. 10.
Clock, Self-oscillating electric. C. Battegay. 1,826,719; Oct. 13.
Clock, Self winding electric. I. A. Aungst. 1,819,761; Aug. 18.
Clock, Speaking. E. F. Jahnke. 1,822,813; Sept. 8.
Clock, Striking. E. C. Hall. 1,789,743; Jan. 20.
Clock, Striking. E. C. Hall. 1,811,791; June 23.
Clock striking mechanism. L. Gianfranceschi. 1,794,012; Feb. 24.
Clock, Synchronizing. J. W. Bryce. 1,825,575; Sept. 29.
Clock, Synchronous motor electric audible-signal. E. L. Carlson. 1,836,956–7; Dec. 15.
Clock, thermometer, and thermostat, Combined. J. G. Wemple. Des. 85,797–8; Dec. 15.
Clock, Time recording. A. J. Koepsell. 1,822,225; Sept. 8.
Clock, Watchman's. O. Schuenemann. 1,793,336; Feb. 17.
Clock winder and overwind preventer, Continuous. K. H. Meier. 1,788,729; Jan. 13.
Clock winding mechanism. A. W. Fowler. 1,806,969; May 26.
Clock with electric winding mechanism and running reserve, Striking. C. Doll. 1,833,071; Nov. 24.
Clocks and watches, Apparatus for timing. E. Maier. 1,793,333; Feb. 17.
Clocks, Hinged bezel for. W. H. Balzer. 1,804,734; May 12.
Clocks, Synchronizing mechanism for secondary. C. E. Larrabee. 1,817,490; Aug. 4.
Clocks, Synchronizing system for electric. C. Soler. 1,834,293; Dec. 1.
Clockworks, Electric winding-up device for. J. Geisslinger. 1,797,648; Mar. 24.
Closed tiltable furnace. E. G. T. Gustafsson and B. I. Norén. 1,794,455; Mar. 3.
Closer for collapsible tubes. F. Stanton. 1,834,877; Dec. 1.
Closet: *See*—
Boat closet
Dry closet.
Lavatory closet.
Siphon jet closet.
Water closet.
Closet bar. K. H. Whitney. 1,793,035; Feb. 17.
Closet box, Water-trap air-eliminating. J. R. Smith. 1,797,450; Mar. 24.
Closet construction. T. H. Treiber. 1,838,469; Dec. 29.
Closet disinfector, Sanitary wash-down. H. Lebeque. 1,798,090; Mar. 24.
Closet flushing device. C. W. Brown. 1,805,204; May 12.
Closet seat. F. C. Dillenback. 1,837,024; Dec. 15.
Closing apparatus for hydraulic constructions, ships' elevators, and the like. A. Huguenin. 1,797,661; Mar. 24.
Closing device. A. Lamarthe. 1,798,945; Mar. 31.
Closing device for gripping a strand of hair in heating tubes for heating strands of hair. G. Ducart. 1,823,391; Sept. 15.
Closing device for windows, Automatic. L. Washburn. 1,818,023; Aug. 11.
Closing device for windows, Automatic. W. J. Weesner. 1,836,098; Dec. 15.
Closure. D. Bloom. 1,834,085; Dec 1.
Closure. J. L. M. Guenard. 1,793,394; Feb. 17.
Closure. E. J. Horton. 1,790,865; Feb. 3.
Closure. M. Jaworsky. 1,810,019; June 16.
Closure. J. S. Reid. 1,802,186; Apr. 21.
Closure. J. S. Reid. 1,806,218; May 19.
Closure. J. S. Reid. 1,814,409; July 14.
Closure. J. S. Reid. 1,838,637–9; Dec. 29.
Closure. J. E. Sharp and R. W. Niver. 1,796,729; Mar. 17.
Closure. R. J. Simonek. 1,799,197; Apr. 7.
Closure. C. M. Villanyi. 1,817,218; Aug. 4.
Closure. F. G. Wikstrom. 1,792,622; Feb. 17.
Closure. F. G. Wikstrom. 1,819,493; Aug. 18.
Closure apparatus. K. E. Stant. 1,826,904; Oct. 13.
Closure cap. A. C. Spahn. 1,816,499; July 28.
Closure cap and spout for oil cans. E. E. Petrie. 1,831,423; Nov. 10.
Closure cap assembling machines, Delivery means for receptacle. J. A. Johnson. 1,832,399; Nov. 17.
Closure cap for collapsible and other containers. T. S. Newman. 1,806,364; May 19.
Closure caps, Making. W. P. White. 1,807,187; May 26.
Closure check and retention device. J. J. Cisler. 1,789,644; Jan. 20.
Closure, Clean out. J. Mastrillo. 1,827,663; Oct. 13.
Closure, Collapsible automobile. E. M. Barker. 1,788,940; Jan. 13.
Closure construction, Screened-. S. B. Zimmer. 1,799,719; Apr. 7.
Closure, Container. M. Alland. 1,835,448; Dec. 8.
Closure, Container. R. L. Shearer. 1,791,003; Feb. 3.
Closure device. F. J. Johnson. 1,834,541; Dec. 1.
Closure device for fountain pens. R. Weingart. 1,805,347; May 12.
Closure device, Pocket. O. P. Ling. 1,820,572; Aug. 25.
Closure diaphragms, Pressure operated means for puncturing. S. E. Allen and O. N. Wiswell. 1,827,723; Oct. 13.
Closure, Dispensing. E. R. Brownson. 1,789,955; Jan. 27.
Closure element. A. G. Anderson. 1,800,173; Apr. 7.
Closure flap gumming of envelopes and the like. A. Winkler and M. Dunnebier. 1,834,567; Dec. 1.
Closure, Flexible. J. B. Freysinger. 1,803,106; Apr. 28.
Closure for a bottle or the like. J. M. Jensen. 1,802,054; Apr. 21.
Closure for bottles containing carbonated beverages, Valve-controlled. F. W. Hoban. 1,788,795; Jan. 13.
Closure for bottles, jars, and the like. C. B. Garwood. 1,809,894; June 16.
Closure for bracelets and the like. E. Becker. 1,817,475; Aug. 4.
Closure for coke oven chambers. C. Otto. 1,810,495; June 16.
Closure for collapsible tubes. J. J. Callahan and W. D. McDermott. 1,820,435; Aug. 25.
Closure for collapsible tubes. J. Frohmann. 1,838,384; Dec. 29.
Closure for collapsible tubes and other receptacles. F. Wolf. 1,788,181; Jan. 6.
Closure for containers. S. Freeman. 1,828,224; Oct. 20.

Closure for containers. A. E. Smith. 1,826,096; Oct. 6.
Closure for containers. E. C. Van Valkenburg. 1,836,561; Dec. 15.
Closure for containers, Automatic. L. W. Young. 1,834,989; Dec. 8.
Closure for containers, Dispensing. S. E. Fox. 1,804,760; May 12.
Closure for cylindrical members. D. W. Thomas. 1,837,345; Dec. 22.
Closure for flexible tube containers. G. F. and A. F. Sether. 1,833,231; Nov. 24.
Closure for fluid or aspirating bottles and the like. E. Ocasek. 1,808,784; June 9.
Closure for fuel tanks, Locked. H. L. Roberts. 1,826,023; Oct. 6.
Closure for gauge holes, Liquid sealed. J. H. Wiggins and C. A. Turner. 1,801,581; Apr. 21.
Closure for joints such as those between pump bodies and their plungers, Hermetic. F. Feyens. 1,818,797; Aug. 11.
Closure for mail chutes. J. W. Cutler. 1,804,050; May 5.
Closure for metallic containers, Removable. C. T. Draper. 1,838,136; Dec. 29.
Closure for metallic drums and the like, and making same. H. Ellis. 1,803,847; May 5.
Closure for milk bottles and other containers. F. K. Plympton. 1,809,791; June 9.
Closure for openings in buildings. W. Cunningham. 1,826,203; Oct. 6.
Closure for pedal shank openings. H. A. King. 1,828,868; Oct. 27.
Closure for pressure vessels. A. Saporta. 1,821,726; Sept. 1.
Closure for receptacles. J. L. Hecht. 1,793,930; Feb. 24.
Closure for receptacles. I. Newman. 1,818,574; Aug. 11.
Closure for self-filling pens. M. Heerklotz. 1,826,246; Oct. 6.
Closure for tobacco pouches, Folding. O. Wilson. 1,787,710; Jan. 6.
Closure for water tight compartments, Self acting. D. Mattei. 1,806,859; May 26.
Closure for well casings, Removable. E. J. and I. J. Clark. 1,835,377; Dec. 8.
Closure for windows. L. T. Ward. 1,813,474; July 7.
Closure handling machine. R. N. Doble. 1,801,728; Apr. 21.
Closure hanger. L. W. Franks. 1,823,193; Sept. 15.
Closure holding device. H. A. Gustafson. 1,829,135; Oct. 27.
Closure, Jar. L. T. Crabbe. 1,823,786; Sept. 15.
Closure, Journal-box. J. S. Tawresey. 1,787,459; Jan. 6.
Closure mechanism for retort doors. J. F. Parker. 1,827,800; Oct. 20.
Closure operating mechanism. T. Brady. 1,810,942; June 23.
Closure operator. S. H. Gay. 1,828,137; Oct. 20.
Closure operator. J. Gunderson. 1,814,510; July 14.
Closure operator. W. S. Smith. 1,815,123; July 21.
Closure operator and retaining means. J. Lipovsky. 1,819,104; Aug. 18.
Closure, Receptacle. J. Fraser, jr. 1,827,573; Oct. 13.
Closure retaining devices for drums. C. H. Rollason. 1,824,733; Sept. 22.
Closure, Starting crank hole. H. S. Golden. 1,816,576; July 28.
Closures, Producing. A. H. Warth. 1,788,260; Jan. 6.
Closures, Sealing. G. A. Williams. 1,788,607; Jan. 13.
Closures, Securing means for. H. B. Walter. 1,837,602; Dec. 22.
Closures to hollow chocolate bodies, Process and apparatus for applying. A. Winkler and M. Dunnebier. 1,790,361; Jan. 27.
Cloth and its manufacture, Holland. D. C. McRoberts. 1,823,112; Sept. 15.
Cloth and manufacture, Two-tone window shade. G. M. Jackson. 1,835,708; Dec. 8.
Cloth, Attaching filter. C. M. Stanley and F. J. Evans. 1,812,725; June 30.
Cloth conditioning machine. H. H. Wigglesworth. 1,808,701; June 2.
Cloth cutting machine. P. Jenkins. 1,812,406; June 30.
Cloth, Filter. W. H. Bacheldor and W. E. Wood. 1,811,573; June 23.
Cloth, Filter. C. H. Caals. 1,788,657; Jan. 13.
Cloth-finishing machines, Regulating the passage of cloth webs through. M. R. Sichert. 1,835,438; Dec. 8.
Cloth, Gummed. C. H. Crowell. 1,820,050; Aug. 25.
Cloth handling machine. R. A. Oesman. 1,809,213; June 9.
Cloth, Luncheon. M. C. and C. W. Masters. Des. 83,632; Mar. 10.
Cloth matching machine. M. E. Popkin. 1,812,368; June 30.
Cloth, Method of and apparatus for finishing. W. B. Bronander. 1,797,754; Mar. 24.
Cloth opening machine. A. Birch. 1,805,866; May 19.
Cloth or cloth goods, Method of and apparatus for shrinking. M. Spuhr. 1,817,855; Aug. 4.
Cloth or other sheet material, Device for delivering squares or otherwise shaped pieces of. R. P. Duff. 1,825,782; Oct. 6.
Cloth, Pressing. T. B. Weaver. 1,837,603; Dec. 22.
Cloth-roll wind-up mechanism. V. Lindsjo. 1,790,160; Jan. 27.
Cloth shearing machine. C. G. Richardson. 1,815,585; July 21.
Cloth unrolling device. M. Schneider. 1,827,171; Oct. 13.
Clothes bag. A. J. Lichtig. 1,805,877; May 19.
Clothes bar. C. R. Hendrickson. 1,835,869; Dec. 8.
Clothes drier. J. Anzalone. 1,836,008; Dec. 15.
Clothes drier. M. Duryee. 1,814,917; July 14.
Clothes drier. R. D. Jones. 1,836,173; Dec. 15.
Clothes drier. F. Nehsmann. 1,827,601; Oct. 13.
Clothes drier. G. W. Simons. 1,798,562; Mar. 31.
Clothes drier. I. H. Wilsey. 1,833,631; Nov. 24.
Clothes drier, Centrifugal. H. F. Vieau. 1,805,428; May 12.
Clothes drying rack. O. J. Kuenhold. 1,820,026; Aug. 25.
Clothes hanger. C. W. Lindgren. 1,820,468; Aug. 25.
Clothes hanger, Combination. A. L. Sackin. 1,829,301; Oct. 27.
Clothes hanger, Folding. J. Becker. 1,805,561; May 19.
Clothesline. H. Fulton 1,826,064; Oct. 6.
Clothesline. C. Roberts. 1,793,417; Feb. 17.
Clothes line control. W. Fuhrmann. 1,837,035; Dec. 15.
Clothesline, Indoor. J. F. Fowler. 1,793,790; Feb. 24.
Clothesline reel. G. H. Reimer. 1,827,439; Oct. 13.
Clotheslines, Safety extension for. O. Prante. 1,830,808; Nov. 10.
Clothes peg usable for other purposes. V. I. M. Langan. 1,808,417; June 2.
Clothespin. A. H. Graves. 1,809,689; June 9.
Clothespin. W. B. Lake. 1,825,963; Oct. 6.
Clothes pin assembling machine. C. Forney. 1,830,021; Nov. 3.
Clothespin, Safety. G. Trupiano. 1,810,542; June 16.
Clothes rack. W. H. Allen. 1,823,776; Sept. 15.
Clothes rack. H. V. Lorch. 1,830,282; Nov. 3.
Clothes rack. J. L. Wood. 1,837,388; Dec. 22.
Clothes rack, Portable. T. A. Pack. 1,832,730; Nov. 17.
Clothes stand. J. W. Stover. 1,804,069; May 5.
Clothes washer and drier, Combined. J. C. Nelson and P. E. Geldhof. Re18,036; Apr. 7.
Clothes washer and drier, Combined. J. C. Nelson and P. E. Geldhof. 1,795,733; Mar. 10.
Clothes washer and drier, Mechanical. C. C. Scheele. 1,788,125; Jan. 6.
Clothes-washing implement. E. H. McCauley. 1,794,974; Mar. 3.
Clothes washing machine. J. B. Kirby. Re18,280; Dec. 8.
Clothes washing machine. J. B. Kirby. 1,834,492; Dec. 1.
Clothes-washing machine. F. B. Morehouse. Re17,967; Feb. 17.
Clothes wringer. T. W. Behan. 1,817,604; Aug. 4.
Clothes wringer. H. J. Criner. 1,815,189; July 21.
Clothes wringer. L. A. Hersh. 1,810,046; June 16.
Clothes wringer. J. L. Perkins and H. D. Croft. 1,837,790; Dec. 22.
Clothes wringer. C. Roberts. 1,820,032; Aug. 25.
Clothes wringer. G. C. Weiss. 1,792,879; Feb. 17.
Clothes wringer frame. C. B. Williams. Des. 84,722; July 21.
Clothes wringer, Power. V. G. Apple. 1,834,924; Dec. 8.
Clothes wringer, Safety. A. Salmen. 1,822,239; Sept. 8.
Clothing retainer. A. G. Ross. 1,806,221; May 19.
Clothing, Securing device for. S. David. 1,826,167; Oct. 6.
Clover seed huller and scarifier. R. E. Poole. 1,821,767; Sept. 1.
Club, Golf. R. H. Robinson. 1,821,191; Sept. 1.
Club segregator for golf bags. J. G. Remfrey. 1,833,534; Nov. 24.
Cluster mold. R. G. Redmann. 1,807,753; June 2.
Clutch. D. B. Baker, C. F. Crumb, and H. A. Watchek. 1,832,959; Nov. 24.
Clutch. R. C. Berry. 1,803,458; May 5.
Clutch. R. C. Berry. 1,816,808; July 28.
Clutch. M. Birkigt. 1,790,400; Jan. 27.
Clutch. F. T. Brown. 1,832,526; Nov. 17.
Clutch. H. L. Brump. 1,797,820; Mar. 24.
Clutch. J. L. Card. 1,822,955; Sept. 15.
Clutch. E. C. Colyer. 1,836,450; Dec. 15.
Clutch. C. F. Doll. 1,816,929; Aug. 4.
Clutch. W. C. Gawalt. 1,813,206; July 7.
Clutch. K. W. Hallden. 1,824,431; Sept. 22.
Clutch. L. Iversen. 1,793,221; Feb. 17.
Clutch. F. H. Jones. 1,834,456; Dec. 1.
Clutch. J. Joy. 1,835,652; Dec. 8.
Clutch. J. R. Kinney. 1,809,976; June 16.
Clutch. N Lombard. 1,814,566; July 14.
Clutch. S. M. D. Miller. 1,812,163; June 30.
Clutch. H. W. Nieman and J. P. Madden. 1,823,912; Sept. 22.
Clutch. W. J. Pearmain. 1,804,113; May 5.
Clutch. A. Schacher. 1,805,530; May 19.
Clutch. O. R. Schoenrock. 1,797,515; Mar. 24.
Clutch. C. F. Searle. 1,811,974; June 30.
Clutch. W. C. Seitz. 1,803,776; May 5.
Clutch. H. R. Smith and M. W. Fish 1,823,129; Sept. 15.
Clutch. W. C. Starkey. 1,836,199; Dec. 15.
Clutch. A. Thomson. 1,792,334; Feb. 10.
Clutch. F. H. Ubrich. 1,798,047; Mar. 24.
Clutch. V. Valletta. 1,789,056; Jan. 13.
Clutch. P. Vandeveer. 1,821,127; Sept. 1.
Clutch. C. Von Riesen. 1,820,331; Aug. 25.

Clutch. E. E. Waite. 1,789,918; Jan. 20.
Clutch. J. T. Wright and J. T. Rowell. 1,823,223; Sept. 15.
Clutch, Accelerating. L. W. Rawson. 1,813,638; July 7.
Clutch actuating device. E. Dunford. 1,838,174; Dec. 29.
Clutch actuating mechanism. C. G. Wood. 1,835,107; Dec. 8.
Clutch and brake. J. O. Pollack. 1,829,536; Oct. 27.
Clutch and brake arrangement, Traction steering. R. L. Brown. 1,829,978; Nov. 3.
Clutch and operating device. J. T. Dickson. 1,801,590; Apr. 21.
Clutch and operating mechanism therefor, One-way. P. E. Geldhof. 1,799,362; Apr. 7.
Clutch and point protector, Scarf pin safety. E. A. Kirchner. 1,828,420; Oct. 20.
Clutch and speed reducing mechanism. R. Hofstetter. 1,813,926; July 14.
Clutch and transmission, Dental. O. E. Fishburn. 1,800,989; Apr. 14.
Clutch and transmission device, Hydraulic. J. G. Everstam. 1,797,407; Mar. 24.
Clutch and transmission mechanism, Fluid actuated. T. F. Lilly. 1,834,626; Dec. 1.
Clutch, Automatic accelerating friction. R. G. De La Mater. 1,793,735; Feb. 24.
Clutch, Automatic free-wheeling. F. T. Brown. 1,832,527; Nov. 17.
Clutch, Automobile. S. P. Howe. 1,795,776; Mar. 10.
Clutch, Bobbin. G. H. Magrath. 1,821,186; Sept. 1.
Clutch, Bobbin. G. H. Magrath. 1,829,229; Oct. 27.
Clutch, Bobbin. G. H. Magrath. 1,830,845; Nov. 10.
Clutch, Bobbin. G. West. 1,832,072; Nov. 17.
Clutch brake. H. D. Church. 1,820,961; Sept. 1.
Clutch brake. B. Loeffler. 1,828,423; Oct. 20.
Clutch brake. P. E. Matthews. 1,822,160; Sept. 8.
Clutch brake. W. H. Radford. 1,819,385; Aug. 18.
Clutch brake pedal for motor vehicles, combined. A. S., B. M., and A. P. Johnson. 1,823,742; Sept. 15.
Clutch, Camera tripod. E. Mayer. 1,830,475; Nov. 3.
Clutch, Centrifugal. F. E. Aseltine. 1,801,586; Apr. 21.
Clutch, Centrifugal. J. Bethenod and H. Coudet. 1,817,542; Aug. 4.
Clutch, Centrifugal. W. A. Chryst. 1,806,332; May 19.
Clutch, Centrifugal. K. J. Wersall. 1,819,829; Aug. 18.
Clutch, Centrifugal. A. A. Ackerman and C. L. Thomson. 1,823,881; Sept. 22.
Clutch, Centrifugal friction. K. J. Wersäll. 1,801,471; Apr. 21.
Clutch, centrifugal friction. K. J. Wersäll. 1,823,074; Sept. 15.
Clutch check and release apparatus. A. Chartier. 1,814,896; July 14.
Clutch construction, Vibrationless. C. B. Spase. 1,803,077; Apr. 28.
Clutch control, Automatic. C. Bruneel. 1,790,791; Feb. 3.
Clutch control device. C. Flagstad. 1,810,103; June 16.
Clutch control device. G. T. Ronk. 1,834,222; Dec. 1.
Clutch control for motor-driven shears. G. F. Hight. 1,800,072; Apr. 7.
Clutch control mechanism. W. M. Horn. 1,819,711; Aug. 18.
Clutch controller. O. E. Schooler. 1,797,516; Mar. 24.
Clutch device for automobiles. C. G. Atha. 1,799,077; Mar. 31.
Clutch disk. E. E. Wemp. 1,804,904; May 12.
Clutch disk construction. B. Loeffler. 1,810,360–1; June 16.
Clutch disk, Friction. F. H. Jones. 1,804,878; May 12.
Clutch draw-works, Three-speed friction-. E. Timbs. 1,788,498; Jan. 13.
Clutch, Electromagnetic. C. Q. Payne. 1,823,334; Sept. 15.
Clutch facing. E. E. Wemp. 1,804,905; May 12.
Clutch, Flexible shock-absorbing friction. A. Sundh. 1,791,016; Feb. 3.
Clutch for automatic transmissions. N. A. Gage. 1,797,826; Mar. 24.
Clutch for change-speed transmissions, High-speed. L. J. Campbell. 1,798,928; Mar. 31.
Clutch for mechanically-propelled vehicles. J. C. W. Humfrey. 1,788,301; Jan. 6.
Clutch for motor cars. B. Drkal. 1,805,081; May 12.
Clutch for motor vehicles and the like, Free wheel. W. Miller and H. T. Lam. 1,823,113; Sept. 15.
Clutch for reversing mechanism. E. E. Greve. 1,835,153; Dec. 8.
Clutch for starters, Pneumatic. A. Morton. 1,795,403; Mar. 10.
Clutch for typographical machines, Assembler drive. H. R. Freund. 1,818,946; Aug. 11.
Clutch for vending machines, Slip. G. E. Norris. 1,831,317; Nov. 10.
Clutch, Free wheel. F. A. Joseph. 1,804,014; May 5.
Clutch, Friction. C. M. Anglemyer. 1,831,282; Nov. 10.
Clutch, Friction. G. W. Beal. 1,821,335; Sept. 1.
Clutch, Friction. J. L. Collins. 1,837,409; Dec. 22.
Clutch, Friction. R. F. Dehn. 1,795,082–3; Mar. 3.
Clutch, Friction. E. E. Landahl. 1,813,626; July 7.
Clutch, Friction. H. V. Reed. 1,790,284; Jan. 27.
Clutch, Friction. H. V. Reed. 1,825,979–80; Oct. 6.
Clutch, Friction. C. A. Ruesenberg. 1,788,806; Jan. 13.
Clutch, Friction. K. Tessky. 1,800,879; Apr. 14.
Clutch, Hydraulic. U. G. Charles. 1,804,744; May 12.
Clutch, Hydraulic. C. B. De Hart. 1,828,861; Oct. 27.
Clutch, Hydraulic. B. S. Dixon. 1,794,884; Mar. 3.
Clutch, Hydraulic. R. G. Jones. 1,819,696; Aug. 18.
Clutch, Hydraulic. F. R. Oberdier. 1,828,677; Oct. 20.
Clutch, Hydraulic. G. E. Zahn. 1,830,156; Nov. 3.
Clutch, Hydraulic and vacuum. F. E. Moreland. 1,832,568; Nov. 17.
Clutch, Lamp. H. D. Grinnell. 1,792,834; Feb. 17.
Clutch, Magnetic. C. H. Bissell. 1,797,972; Mar. 24.
Clutch, Magnetic. W. C. Furnas. 1,826,929; Oct. 13.
Clutch means for implements of motor driven agricultural machines, Safety. C. S. Brown. 1,825,574; Sept. 29.
Clutch mechanism. M. H. Ballard and T. H. Seely. 1,834,082; Dec. 1.
Clutch mechanism. S. F. Briggs. 1,804,457; May 12.
Clutch mechanism. W. J. Coultas. 1,821,543; Sept. 1.
Clutch mechanism. J. P. Daly. 1,796,283; Mar. 17.
Clutch mechanism. J. H. Hand. 1,803,430; May 5.
Clutch mechanism. F. A. Joseph. 1,801,008; Apr. 14.
Clutch mechanism. P. S. Morgan. 1,818,421; Aug. 11.
Clutch mechanism. R. L. Plumley. 1,802,477; Apr. 28.
Clutch mechanism. J. Robertson. 1,813,377; July 7.
Clutch mechanism. O. St. Pierre. 1,804,037; May 5.
Clutch mechanism. J. A. Smitmans. 1,811,655; June 23.
Clutch mechanism. W. U. Snyder and W. T. Hess. 1,820,991; Sept. 1.
Clutch mechanism, Dual-. F. Focher, jr. 1,791,198; Feb. 3.
Clutch mechanism for a cloth straightening machine or the like. G. Verardo and G. Centanaro. 1,833,625; Nov. 24.
Clutch mechanism for card punches. W. W. Lasker. 1,810,317; June 16.
Clutch mechanism for lathe carriages. A. C. Getz and F. D. Dickas. 1,832,011; Nov. 17.
Clutch mechanism for looms and the like. I. E. Rogers and W. C. Scott. 1,805,498; May 19.
Clutch mechanism for power driven lawn mowers. H. L. Blydenburgh. 1,836,359; Dec. 15.
Clutch mechanism for sectional flywheels, Centrifugal. J. O. Carrey. 1,796,439; Mar. 17.
Clutch mechanism, Selective. H. H. Vail. 1,822,716; Sept. 8.
Clutch member. E. E. Eaton. 1,818,610; Aug. 11.
Clutch members, Making. R. F. Mullen. 1,834,722; Dec. 1.
Clutch, One-way. F. V. Dodge and F. M. Wykert. 1,818,844; Aug. 11.
Clutch-operating device. R. S. Moore and E. B. Nickles. 1,791,739; Feb. 10.
Clutch-operating mechanism. N. A. Christensen. 1,823,590; Sept. 15.
Clutch operating mechanism. G. W. Felton. 1,809,965; June 16.
Clutch operating mechanism. W. Giger. 1,806,158; May 19.
Clutch operating mechanism. O. M. Hoch. 1,837,435; Dec. 22.
Clutch operating mechanism. C. D. Ryan. 1,811,028; June 23.
Clutch operating mechanism. E. O. Schjolin. 1,833,438; Nov. 24.
Clutch, Overrunning. R. F. Mullen. 1,820,151; Aug. 25.
Clutch pedal operator. A. B. Strand. 1,801,987; Apr. 21.
Clutch plate. H. V. Reed. 1,813,510; July 7.
Clutch plate. H. V. Reed. 1,830,521; Nov. 3.
Clutch plate. H. V. Reed. 1,837,173; Dec. 15.
Clutch plate, Flexible. J. L. Burns. 1,815,760; July 21.
Clutch, Power. H. L. Mitchell and R. Ljungkull. 1,813,068; July 7.
Clutch, Pressure operated. H. F. Stock. 1,831,083; Nov. 10.
Clutch release and brake setting device, Combined. P. H. Manning. 1,820,359; Aug. 25.
Clutch, Reverse. R. Gerber, E. J. Doncaster and W. E. Ewart. 1,831,789; Nov. 10.
Clutch shifting mechanism. C. J. Kienzle. 1,830,840; Nov. 10.
Clutch, Slip. W. E. Bock. 1,837,520; Dec. 22.
Clutch, Slip. E. F. Huddle. 1,828,370; Oct. 20.
Clutch, Speed. R. Saller. 1,833,977; Dec. 1.
Clutch, Spindle. G. H. Magrath. Re17,964; Feb. 10.
Clutch, Spindle. G. H. Magrath. 1,834,412; Dec. 1.
Clutch, Spring controlled centrifugal. K. J. Wersall. 1,819,830; Aug. 18.
Clutch synchronizer, Double cone. H. J. Murray. 1,810,494; June 16.
Clutch transmission. R. S. McIntosh. 1,830,369; Nov. 3.
Clutch, Variable. E. T. Harney. 1,831,955; Nov. 17.
Clutch with skew rollers, Free-wheel. J. C. W. Humfrey. 1,834,843; Dec. 1.
Clutch-yoke construction. B. Loeffler. 1,793,500; Feb. 24.
Clutches, Driven plate for friction. H. V. Reed. 1,825,981; Oct. 6.
Clutches, Operating mechanism for. R. L. Brown. 1,822,335; Sept. 8.
Clutches, Operating mechanism for. R. G. Coates. 1,837,949; Dec. 22.
Clutches or the like, Automatic lash compensating device for. E. E. Wemp. 1,830,306; Nov. 3.
Clutching and speed changing device. J. Cotal. 1,803,235; Apr. 28.
CO_2, Dehydration and purification of. S. T. Adair and C. F. Cushing. 1,831,644; Nov. 10.

Coach lock. J. B. Flynn. 1,811,265; June 23.
Coal and coke, Method and apparatus of loading. H. Adams. 1,795,987; Mar. 10.
Coal and like material, Apparatus for feeding. C. Corliss. 1,807,388; May 26.
Coal and like material, Extracting values from. F. C. Greene and I. F. Lauck. 1,822,142; Sept. 8.
Coal and like substances, Treating. W. Heckel. 1,789,549; Jan. 20.
Coal and oil, Cracking. W. E. Trent. Re18,234; Oct. 20.
Coal and the like, Apparatus for taking samples of. H. N. 1,808,307; June 2.
Coal and the like, Device for mining. F. Kalla. Eavenson. 1,820,381; Aug. 25.
Coal, apparatus for burning granulated. W. B. Chapman. 1,812,080; June 30.
Coal, Apparatus for burning pulverized. G. P. Haynes. 1,802,111; Apr. 21.
Coal, Apparatus for burning pulverized. S. A. Jacques. 1,795,951; Mar. 10.
Coal, Apparatus for carbonization of. K. M. Simpson. 1,831,512; Nov. 10.
Coal, Apparatus for carbonizing. R. L. Rodgers. 1,826,573; Oct. 6.
Coal, Apparatus for coking. S. W. Parr and T. E. Layng. 1,827,483–4; Oct. 13.
Coal, Apparatus for mining. F. S. Caldwell. 1,837,651; Dec. 22.
Coal, Apparatus for washing. F. H. Blatch. 1,828,760; Oct. 27.
Coal breaker and the like. G. Norton. 1,831,683; Nov. 10.
Coal burner, Powdered. H. Van Deventer. 1,837,635; Dec. 22.
Coal burner, Pulverized. G. P. Haynes. 1,828,465; Oct. 20.
Coal by the low temperature process, Method of and apparatus for carbonizing. W. Runge. 1,797,796; Mar. 24.
Coal, Carbonizing. C. Hayes. 1,810,828; June 16.
Coal, Carbonizing. K. M. Simpson. 1,800,910; Apr. 14.
Coal-carbonizing and gas-enriching apparatus. E. A. Dieterle. 1,790,745; Feb. 3.
Coal cleaner. A. G. Oppy and G. B. Sadler. 1,792,440; Feb. 10.
Coal, Cleaning. R. W. Arms. 1,801,254; Apr. 21.
Coal, Cleaning. R. W. Arms. 1,806,779; May 26.
Coal cutter and loader, Automatic. J. H. Crawford. 1,834,090; Dec. 1.
Coal-cutting machine. N. D. Levin. 1,797,475; Mar. 24.
Coal cutting machine. L. J. Smith. 1,834,808; Dec. 1.
Coal cutting machine and the like. W. C. Black. 1,821,372; Sept. 1.
Coal distillation. E. S. Mead. 1,827,896; Oct. 20.
Coal distributing means. H. Adams. 1,809,261; June 9.
Coal-dust burner. P. Büschler. 1,800,281; Apr. 14.
Coal dust, Settling. G. R. Wolf. 1,800,583; Apr. 14.
Coal dust screening device. V. St. L. Symonds. 1,834,658; Dec. 1.
Coal feeder, Pulverized. H. S. Hansen. 1,831,491; Nov. 10.
Coal, fuel, or other pulverulent materials, Briquetting finely divided. O. Reynard. 1,825,756; Oct. 6.
Coal handling plant, Dust collecting system for. R. W. Arms. 1,801,255; Apr. 21.
Coal loading machine. C. C. Miller, jr. 1,805,951; May 19.
Coal loading method and apparatus. H. Adams. 1,808,587; June 2.
Coal, Method and apparatus for mining. N. D. Levin. 1,815,856; July 21.
Coal mill. A. J. Grindle. 1,798,465; Mar. 31.
Coal mining and loading machine. F. H. Weitz. 1,818,771; Aug. 11.
Coal-mining apparatus. C. E. Waxbom. Re17,986; Mar. 3.
Coal mining machine. D. T. Fisher. 1,814,439; July 14.
Coal mining machine. N. D. Levin. 1,815,981; July 28.
Coal mining machine. J. W. McPherson. 1,808,053; June 2.
Coal mining method and apparatus. N. D. Levin. 1,821,439; Sept. 1.
Coal-moving machine. E. E. Lintz. 1,800,089; Apr. 7.
Coal, Processing of. W. Runge and E. A. Packard. 1,805,109; May 12.
Coal, Producing carbonized particles from coking. W. E. Trent. 1,838,882; Dec. 29.
Coal, Producing carbonized particles from finely pulverized. W. E. Trent. 1,838,883; Dec. 29.
Coal pulverizer. W. C. State. 1,816,408; July 28.
Coal tar and device for carrying out such process, Distillation of. C. Wessel. 1,814,989; July 14.
Coal, Treating. C. P. Anderson. 1,807,817; June 2.
Coal, Treatment or purification of. M. Bertrand. 1,818,189; Aug. 11.
Coal unit, Artificial. C. W. Logan. 1,808,780; June 9.
Coal washer box. B. Norton. 1,806,493; May 19.
Coal-washing apparatus. C. F. Richards. 1,800,701; Apr. 14.
Coals, Apparatus for washing. P. Wolf. 1,837,438; Dec. 22.
Coaster. W. H. Notzke. 1,816,691; July 28.
Coaster, Automatic. F. J. Hebert. 1,794,709; Mar. 3.
Coaster mechanism for automobiles, Free wheel. E. F. Summers. 1,834,037; Dec. 1.
Coat. I. Kirschenbaum. 1,804,346; May 5.
Coat. D. Long. Des. 84,043–4; Apr. 28.
Coat. D. Long. Des. 84,250; May 26.
Coat. C. J. Lubin. 1,821,225; Sept. 1.
Coat. A. A. Morck. 1,829,871; Nov. 3.
Coat. S. Siskin. 1,793,377; Feb. 17.
Coat and hat hook, Combined. G. G. Shoer. 1,799,395; Apr. 7.
Coat and vest, Combined. P. H. Einbinder. 1,817,302; Aug. 4.
Coat, Armhole for. R. J. Walshe. 1,830,147; Nov. 3.
Coat hanger. C. M. Dinsmore. 1,805,573; May 19.
Coat hanger. M. C. Magarian. 1,828,975; Oct. 27.
Coat hook. W. N. Vance and J. Ratz. 1,795,059; Mar. 3.
Coat, Lady's. M. Levitt. Des. 83,084–5; Jan. 13.
Coat, Lady's. M. Levitt. Des. 83,203; Feb. 3.
Coat, Lady's. M. Levitt. Des. 84,704–5; July 21.
Coat, Uniform. P. Hawkins. Des. 83,856; Apr. 7.
Coated fabric. G. E. Alling. Des. 83,784; Mar. 31.
Coated or impregnated product. C. Ellis. 1,814,135; July 14.
Coating. E. L. Chappell. 1,826,301; Oct. 6.
Coating. W. H. Charch and N. A. Craigue. 1,826,698; Oct. 6.
Coating. C. R. McKee. 1,827,822; Oct. 20.
Coating. G. F. Metz. 1,930,236; Nov. 3.
Coating (alborizing), Protective. R. E. Lowe. 1,817,888; Aug. 4.
Coating and heat treating apparatus. A. O. Austin. 1,823,675; Sept. 15.
Coating and marking machine. H. R. Polleys. 1,804,479; May 12.
Coating and producing the same, Metallic. C. G. Fink and L. C. Pan. 1,792,082; Feb. 10.
Coating and sealing composition. F. Maas. 1,822,536; Sept. 8.
Coating apparatus. H. T. Hunter. 1,819,557; Aug. 18.
Coating apparatus. J. A. Kennedy. 1,811,505; June 23.
Coating apparatus. F. H. Perry. 1,830,621; Nov. 3.
Coating, Apparatus for. W. H. Charch and N. A. Craigue. 1,826,697; Oct. 6.
Coating articles. S. R. Mason. 1,800,947; Apr. 14.
Coating composition. A. B. Callaghan. 1,787,425; Jan. 6.
Coating composition. C. Ellis. 1,824,757; Sept. 22.
Coating composition. F. C. Hahn. 1,812,335; June 30.
Coating composition. M. M. Remmes. 1,830,243; Nov. 3.
Coating composition and articles coated therewith. A. M. Collins. 1,812,544; June 30.
Coating composition containing metastyrene combined with softeners. W. E. Lawson. 1,792,102; Feb. 10.
Coating composition containing nitrocellulose. A. W. Burwell. 1,791,711; Feb. 10.
Coating composition containing polymerized divinyl benzene. H. B. Dykstra. 1,811,078; June 23.
Coating composition, Non-livering. J. D. McBurney and E. H. Nollau. 1,836,265; Dec. 15.
Coating compositions and preparing same. C. R. E. Merkle. 1,829,999; Nov. 3.
Coating for cans, Protective. A. C. Richardson. 1,830,244; Nov. 3.
Coating for cotton mill rolls. W. D. Robinson. 1,817,267; Aug. 4.
Coating for iron tubes, Bimetallic protective. I. T. Bennett. 1,802,695; Apr. 28.
Coating for metal casting molds and cores. M. L. Freed. 1,817,245; Aug. 4.
Coating for metal surfaces, Protective. C. V. Iredell. 1,835,113; Dec. 8.
Coating for metals, Flexible vitreous. H. C. Milligan. 1,827,556; Oct. 13.
Coating for rubber, Weatherproof. S. C. Witherspoon and A. F. Beal. 1,815,998; July 28.
Coating implement. T. M. Spinks. 1,827,047; Oct. 13.
Coating machine. F. B. Thompson. 1,799,769; Apr. 7.
Coating machine. R. G. Woods. 1,824,860; Sept. 29.
Coating machine, Tandem. J. D. Lippmann. 1,813,411; July 7.
Coating metallic articles, particularly the interiors of water mains (in situ). F. W. Hammond. 1,805,215; May 12.
Coating, Metallic protective. S. U. McGary, W. F. Rogers, and S. Gill. 1,790,643; Feb. 3.
Coating, Method of and apparatus for applying. A. M. Bates. 1,805,070; May 12.
Coating of bodies with metal. W. Baur. 1,823,869; Sept. 15.
Coating process. W. E. Gwaltney. 1,790,213; Jan. 27.
Coating, Process and apparatus for. G. A. Johnson. 1,804,991; May 12.
Coating, Shoe surface. S. W. Bourn. 1,828,855; Oct. 27.
Coating substances. H. S. Cooper and M. Merlub-Sobel. 1,818,196; Aug. 11.
Coating the interior wall of hollow bodies. A. M. Hageman and A. F. Lindstrom. 1,816,903; Aug. 4.
Coating to motion picture films, Process of and apparatus for applying a protective. L. L. Steele. 1,816,409; July 28.
Coating, Wall. A. A. Thoretz. 1,832,752; Nov. 17.
Coatings and producing the same, Water-resistant. L. Kirschbraun. 1,794,522; Mar. 3.
Coatings, Production of varnish and enamel like, Process for. A. Jaeger. 1,830,906; Nov. 10.
Coatings, Removing finish. J. G. Davidson and E. W. Reid. 1,829,583; Oct. 27.
Coats and coat produced by such method, Making. R. Cohen. 1,810,160; June 16.

Cock. G. W. McKee. 1,800,554; Apr. 14.
Cock. H. Thiele. 1,826,330; Oct. 6.
Cock and holder therefor, Angle. L. A. Hoerr. 1,809,037; June 9.
Cock and valve. C. D. and N. A. Birks. 1,800,243; Apr. 14.
Cock, Angle. C. A. Campbell. 1,802,403; Apr. 28.
Cock, Ball. R. H. Mueller. 1,826,322; Oct. 6.
Cock controlling mechanism, Locomotive booster cylinder. G. H. Zouck. 1,822,429; Sept. 8.
Cock device, Angle. C. C. Farmer. 1,793,600; Feb. 24.
Cock, Flame regulating. J. J. Crowe. 1,830,594; Nov. 3.
Cock for boiler piping, Regulating and test. W. Keim. 1,815,151; July 21.
Cock for gas burners, Safety. S. G. Campbell. 1,787,775; Jan. 6.
Cock for ranges, Gas. M. A. Possons. 1,813,815; July 7.
Cock, Gas. P. S. Harper. 1,836,242; Dec. 15.
Cock, Gas. S. Van Etten. 1,814,534; July 14.
Cock, High pressure gauge. J. J. Cain. 1,819,672; Aug. 18.
Cock, Hydrant. W. Volkhardt. 1,827,861; Oct. 20.
Cock, Locomotive cylinder. A. R. Ayers. 1,831,404; Nov. 10.
Cock or valve. M. A. Possons. 1,801,175; Apr. 14.
Cock, Outlet. C. Carloni. 1,796,560; Mar. 17.
Cock, Safety gas. W. F. Hoeltke. 1,822,402; Sept. 8.
Cock, Safety gas. C. F. Meyer. 1,829,365; Oct. 27.
Cocks or valves, Making. J. D. Baldwin, jr. 1,825,042; Sept. 29.
Cod liver oil, Production of. F. W. Nitardy. 1,829,571; Oct. 27.
Code learners' instrument. H. Gernsback. 1,801,734; Apr. 21.
Code setting device for signal systems. H. Burdick. 1,823,585; Sept. 15.
Coffee, Apparatus for making. S. Forman. 1,792,218; Feb. 10.
Coffee aroma to soluble coffee, Imparting. A. W. Meyer and L. W. Haas. 1,836,931; Dec. 15.
Coffee beans, Improving. K. Lendrich. 1,822,227; Sept. 8.
Coffee beans, Washing. M. Aya. 1,796,856; Mar. 17.
Coffee-brewing device. C. M. Nevius. 1,794,639; Mar. 3.
Coffee machine. A. Carozzi. 1,803,232; Apr. 28.
Coffee machine, Twin automatic repouring. W. A. Glascock. 1,796,518; Mar. 17.
Coffee maker. R. A. Buckner. 1,833,823; Nov. 24.
Coffee maker or like article. C. A. Schallis. Des. 83,216; Feb. 3.
Coffee making machine. A. L. Bausman. 1,813,872; July 7.
Coffeepot. G. S. Albanese. 1,822,238; Sept. 8.
Coffeepot. S. W. Bloom. 1,825,174; Sept. 29.
Coffeepot. H. Brucker. 1,806,144; May 19.
Coffee pot or article of analogous nature. H. E. Nock. Des. 85,489; Nov. 3.
Coffeepot or like article. G. B. Jensen. Des. 85,651; Dec. 1.
Coffeepot or similar article. F. W. Stark. Des. 83,580; Mar. 3.
Coffee, Roasting. W. E. Close. 1,788,705; Jan. 13.
Coffee, Treatment of. D. J. Kennedy. 1,821,551; Sept. 1.
Coffee urn bag. A. M. Herzmark. 1,809,935; June 16.
Coffer-dam pile, Iron. J. Meiser. 1,837,787; Dec. 22.
Coffins, Body support for. E. A. Beiler. 1,806,990; May 26.
Coil. P. A. Michel. 1,820,240; Aug. 25.
Coil, Adjustable inductance. C. E. Lane. 1,799,800; Apr. 7.
Coil and making the same, Edgewise. E. J. Von Henke. 1,801,214; Apr. 14.
Coil and manufacturing coils. A. J. Dowd. 1,815,245; July 21.
Coil and manufacturing same, Electrical. F. Kurath. 1,816,680; July 28.
Coil and support therefor, Combined reactance. H. G. Blosser. Des. 83,302; Feb. 17.
Coil, Choke. M. Zuhlke. 1,818,186; Aug. 11.
Coil, Cigarette tip. E. Richter. 1,816,398; July 28.
Coil, Circuit controlling reactance. F. J. Zamboni. 1,804,852; May 12.
Coil construction. F. E. Terman. 1,816,448; July 28.
Coil control, Cigarette-igniting-. A. Girtanner. 1,800,140; Apr. 7.
Coil, Cooling. F. W. Shepherd. 1,794,483; Mar. 3.
Coil cutter spring, Temple. H. F. Livermore. 1,801,815; Apr. 21.
Coil, Electric. C. T. Ulrey. 1,813,591; July 7.
Coil, Evaporator. R. S. Wheaton. 1,808,331; June 2.
Coil filaments, Cutting device for mandrel-wound. C. W. Hunt. 1,799,236; Apr. 7.
Coil for radio frequencies, Inductance. F. E. Terman. 1,825,105; Sept. 29.
Coil for refrigerating and other apparatus. L. N. Udell. 1,822,715; Sept. 8.
Coil-forming die. M. A. Hoyt. 1,795,777; Mar. 10.
Coil, Furnace. W. P. Kidd. 1,835,711; Dec. 8.
Coil, Heating. J. H. Holton and W. H. Horn. 1,787,448; Jan. 6.
Coil, Ignition. J. T. Fitzsimmons and H. L. Hartzell. 1,799,011; Mar. 31.
Coil, Ignition. H. L. Hartzell. 1,828,411; Oct. 20.
Coil, Inductance. H. W. Adey. 1,826,642; Oct. 6.
Coil, Inductance. L. A. Gebhard. 1,789,229; Jan. 13.
Coil, Inductance. J. J. Jakosky. 1,792,375; Feb. 10.
Coil, Inductance. P. D. Lowell. 1,824,726; Sept. 22.
Coil, Inductance. W. A. Marrison. 1,836,808; Dec. 15.
Coil, Induction. L. Griffiths and C. J. Morton. 1,808,548; June 2.
Coil, Inductor. P. H. Brace. 1,834,445; Dec. 1.
Coil-junction-box for submarine cables. E. Schürer. 1,819,128; Aug. 18.
Coil, Loading. H. Busch and A. Byk. 1,835,930; Dec. 8.
Coil manufacture, Electric. L. H. Anderson. 1,836,948; Dec. 15.
Coil particularly adapted for use with radio tuning devices, Inductance. S. C. Ryder. 1,837,678; Dec. 22.
Coil, Reenforced circulating. A. Friedman. 1,813,891; July 7.
Coil, Water heater circulating. A. Friedman. 1,819,550; Aug. 18.
Coil winder. C. C. Brenner. 1,787,612; Jan. 6.
Coil winding apparatus. J. J. Vienneau. 1,817,884; Aug. 4.
Coil-winding apparatus. J. J. Vienneau. 1,834,811; Dec. 1.
Coil winding machine. H. W. Lillibridge. 1,812,349; June 30.
Coil winding machine. W. O. Meissner. 1,806,697; May 26.
Coil winding machine. A. T. Smith. 1,828,822; Oct. 27.
Coil-winding machines, Testing device for. C. H. Franks. 1,789,358; Jan. 20.
Coiling machine. R. H. Cramer. 1,803,960; May 5.
Coiling machine. C. D. Dallas. 1,837,209; Dec. 22.
Coiling machine. K. Williams. 1,827,056; Oct. 13.
Coiling machines, Spring-nesting mechanism for. C. H. Ziler. 1,791,257; Feb. 3.
Coiling means for concavo-convex springs. H. A. Farrand. 1,820,789; Aug. 25.
Coils for electric induction furnaces, High frequency. G. E. Taylor. 1,818,107; Aug. 11.
Coils, Gettering. D. S. Gustin. 1,813,571; July 7.
Coils, Impregnating. J. T. Goff. 1,818,976; Aug. 18.
Coils, Making armature. V. G. Apple. 1,834,925; Dec. 8.
Coils, Making electric. V. G. Apple. 1,826,297; Oct. 6.
Coils, Method of and apparatus for forming. O. M. Summers. 1,802,161; Apr. 21.
Coils, Method of and machine for winding flat spiral. L. H. Roller. 1,832,427; Nov. 17.
Coils of insulated wire, Apparatus for making. J. Q. Holmes, and L. C. Goad. 1,828,441; Oct. 20.
Coils on pole armatures or field magnets, Fitting and winding. H. Papst. 1,838,150; Dec. 29.
Coin actuated change mechanism. W. H. Russell. 1,807,175; May 26.
Coin and picture frame. E. Matys. 1,836,035; Dec. 15.
Coin box. G. L. Smith. 1,805,422; May 12.
Coin collection apparatus. J. M. Melick. 1,818,568; Aug. 11.
Coin-collection apparatus. P. E. Mills. 1,790,673; Feb. 3.
Coin collector and receptacle. F. A. Marchioni. 1,838,317; Dec. 29.
Coin control lock. E. Ellingson. 1,831,657; Nov. 10.
Coin-controlled apparatus. J. N. Pryor. 1,800,154; Apr. 7.
Coin controlled lock. A. Gabriel. 1,804,411; May 12.
Coin-controlled lock. W. M. Gleason. 1,792,900; Feb. 17.
Coin controlled lock. W. M. Gleason. 1,809,334; June 9.
Coin-controlled machines, Fraud-preventing device for. W. Mackay. 1,800,090; Apr. 7.
Coin controlled mechanism. M. Bohlig. 1,808,519; June 2.
Coin controlled mechanism. W. H. Claussen. 1,814,295; July 14.
Coin controlled mechanism. B. L. Fry. 1,819,413; Aug. 18.
Coin-controlled mechanism. A. G. Gran. 1,817,076; Aug. 4.
Coin controlled mechanism. G. B. Slusser. 1,837,684; Dec. 22.
Coin-controlled mechanism. C. K. Stamas. 1,798,960; Mar. 31.
Coin controlled mechanism, Electrically operated. O. A. Bronson. 1,836,152; Dec. 15.
Coin controlled selecting mechanism. C. W. Coones. 1,816,278; July 28.
Coin-controlling mechanism. G. W. Nelson. 1,788,688; Jan. 13.
Coin counting and assorting machine. C. L. Downey. 1,819,701; Aug. 18.
Coin counting device. C. Vogt. 1,812,815; June 30.
Coin counting machine. E. P. Donnellan. 1,805,079; May 12.
Coin counting machine. E. P. Donnellan. 1,819,235; Aug. 18.
Coin counting mechanism. E. P. Donnellan. 1,805,132; May 12.
Coin-detecting method, Electrical silver-. T. D. Bottome. 1,795,286; Mar. 10.
Coin-handling apparatus. L. E. Jones and A. N. Nadeau. 1,823,829; Sept. 15.
Coin-handling machine. E. P. Donnellan. 1,799,785; Apr. 7.
Coin mechanism for coin controlled vending machines. A. M. Cramer. 1,821,739; Sept. 1.
Coin mechanism for vending machines. A. M. Cramer. 1,821,740; Sept. 1.
Coin-operated pressing device. W. Tomarin. 1,795,056; Mar. 3.
Coin plate, Tipping. W. Fuchs. 1,833,565; Nov. 24.
Coin register, Automatic. P. McColl and E. J. McCormick. 1,795,342; Mar. 10.

Coin segregator. S. T. Allen. 1,795,284; Mar. 10.
Coin-selecting device. J. V. Wigle and J. E. Reece. 1,798,289; Mar. 31.
Coin selector. F. C. Myer. 1,812,165; June 30.
Coin selector, Automatic. G. P. Croy. 1,830,529; Nov. 3.
Coin separating and counting machine. E. P. Donnellan. 1,799,784; Apr. 7.
Coin separating and counting mechanism. E. P. Donnellan. 1,799,786; Apr. 7.
Coin separator. A. C. Kidwell. 1,813,296; July 7.
Coin testing device. C. W. Nixon. 1,821,357; Sept. 1.
Coins and small articles, Apparatus for delivering. E. Gattino. 1,833,566; Nov. 24.
Coins, Device for sorting. F. Fast. 1,813,841; July 7.
Coins, Rejection means for perforated. J. E. Olvis. 1,821,233; Sept. 1.
Coincidental lock. H. E. Norviel. 1,831,078; Nov. 10.
Coincidental lock. T. C. Van Degrift. 1,798,917; Mar. 31.
Coke, Apparatus for the dry cooling of. A. Moetteli. 1,810,322; June 16.
Coke apparatus, Multistage low temperature. H. C. Holthoff. 1,827,199; Oct. 13.
Coke breaker for coal stokers. E. T. Warner. 1,825,432; Sept. 29.
Coke cooling apparatus. A. Moetteli. 1,836,605; Dec. 15.
Coke, Making. C. W. Andrews. 1,824,526; Sept. 22.
Coke oven battery. J. Becker. 1,838,294; Dec. 29.
Coke oven gas, Fractionation. R. Linde. 1,821,170; Sept. 1.
Coke plant apparatus. S. D. Wright. 1,836,219; Dec. 15.
Coke, Production of. W. Broadbridge, E. Edser, and W. W. Stenning. 1,824,326; Sept. 22.
Coke quenching apparatus. G. P. Wardley. 1,837,740; Dec. 22.
Coke wharf. J. F. Regan. 1,790,247; Jan. 27.
Colander. M. F. Werner. 1,832,438; Nov. 17.
Cold materials, Extruding. J. G. C. Mantle. 1,819,254; Aug. 18.
Collapsible bag. W. E. Barrett. 1,811,574; June 23.
Collapsible bit. J. C. Stokes. 1,819,798; Aug. 18.
Collapsible bit. J. C. Stokes. 1,833,134; Nov. 24.
Collapsible bit. J. C. Stokes. 1,838,467; Dec. 29.
Collapsible box. P. S. Douglas and J. Filshell. 1,822,585; Sept. 8.
Collapsible box. C. H. Goodyear. 1,817,135; Aug. 4.
Collapsible box. L. J. Spitzenberger. 1,793,025; Feb. 17.
Collapsible box, Telescopically. W. S. Luckett. 1,827,396; Oct. 13.
Collapsible box, Telescopically. J. A. Powell. 1,809,355; June 9.
Collapsible chair. W. J. Bauer. 1,789,295; Jan. 20.
Collapsible chair. O. W. Hamburg. 1,788,832; Jan. 13.
Collapsible chair. J. C. W. Walker. 1,795,911; Mar. 10.
Collapsible chest. H. B. Ferguson. 1,797,681; Mar. 24.
Collapsible handle. E. F. Benson. 1,802,400; Apr. 28.
Collapsible stand. L. Smelker. 1,791,514; Feb. 10.
Collapsible table. N. N. Brown. 1,813,018; July 7.
Collapsible table. J. S. Buckman. 1,831,842; Nov. 17.
Collapsible table. L. H. Riesche. 1,809,866; June 16.
Collapsible tube. W. O. Ganger. 1,800,936; Apr. 14.
Collapsible tube. H. W. Hicks. Des. 85,475; Nov. 3.
Collapsible tube. R. M. Lieberthal. 1,794,023; Feb. 24.
Collapsible tube. F. J. Lynch. 1,797,152; Mar. 17.
Collar. J. S. Abeles and E. Lind. 1,819,857; Aug. 18.
Collar. J. N. Collins. Re18,161; Aug. 25.
Collar. J. Jakobson. 1,834,539; Dec. 1.
Collar. E. Lind. 1,813,304; July 7.
Collar. M. Robbins. 1,816,699; July 28.
Collar, Adjustable. C. H. Morrow. 1,809,059; June 9.
Collar and can assembling machine. J. F. Peters. 1,834,107; Dec. 1.
Collar and collar stiffener. H. P. Gray, G. W. Jones, and H. D. Roberson. 1,832,930; Nov. 24.
Collar and making the same. R. W. McCreery. 1,829,939; Nov. 3.
Collar attachment. J. P. Manning. 1,787,868; Jan. 6.
Collar, Celluloid. E. P. Parsons. 1,788,802; Jan. 13.
Collar, Detachable. B. Ebert. 1,830,507; Nov. 3.
Collar for dogs or other animals. L. H. Mader. 1,803,196; Apr. 28.
Collar for sweaters and making the same. H. Schwartz. 1,788,850; Jan. 13.
Collar holder. F. J. Wakefield. Des. 84,862; Aug. 11.
Collar holding device. E. L. Burnham. 1,802,074; Apr. 21.
Collar, Invisible tie. M. Tauben. 1,806,721; May 26.
Collar ironing and curling machine, Single or stand-up. J. Chant. 1,828,923; Oct. 27.
Collar pressing machine. A. M. McLendon. 1,817,574; Aug. 4.
Collar setting device, Shirt. A. J. George. 1,826,659; Oct. 6.
Collar shape preserver. E. W. Wilson. 1,814,653; July 14.
Collar, Shirt. A. T. Bard. 1,814,818; July 14.
Collar, Shirt. W. S. Kurtz. 1,816,119; July 28.
Collar splitter. P. Yungling. 1,790,783; Feb. 3.
Collar, Stand up double. H. Mueller and H. Bertelemann. 1,803,765; May 5.
Collar stiffener. M. M. Patton. 1,797,790; Mar. 24.
Collar-stiffening and tie-holding device. G. G. Deidrick. 1,790,341; Jan. 27.
Collar stud. W. L. Denton. 1,796,983; Mar. 17.
Collar with gradually braked winder, Tightening. R. Machat and A. Mathieu. 1,821,980; Sept. 8.
Collars and product thereof, Manufacturing soft. W. J. Beattie. 1,795,704; Mar. 10.
Collecting and money changing apparatus, Combined. H. Samuelsen and J. de R. Kielland. 1,836,774; Dec. 15.
Collector and bearing assembly. H. E. Bucklen and H. O. Putt. 1,829,888; Nov. 3.
Collector and separator for feed mills, Combined. A. H. Bottorff. 1,807,891; June 2.
Collector, Dust. M. E. Long. 1,821,842; Sept. 1.
Collector, Dust. E. F. Woodward. 1,821,824; Sept. 1.
Collector mechanism, Dust. W. B. Prouty. 1,821,665; Sept. 1.
Collector, Pressed. A. Wörner. 1,816,629; July 28.
Collet. M. J. Matthews. 1,827,795; Oct. 20.
Colloid. E. L. Leasman. 1,790,272; Jan. 27.
Colloidal dispersion of plastic compositions such as caoutchouc, gutta percha, balata, artificial rubber (factis,) and the like. E. A. Hauser. 1,814,473; July 14.
Colloidal dispersion product. S. Cabot. 1,791,119; Feb. 3.
Colloidal halogens, Preparation of. E. Govett. 1,810,104; June 16.
Colloidal mill. B. M. Dawson. 1,807,773; June 2.
Colloidal solutions, Process and medium for decolorizing and deflavoring. W. A. Bender, R. Douglass, and L. H. Cuthbert. 1,787,467; Jan. 6.
Colloidal substances and products thereof, Treating. A. Biddle. 1,802,866; Apr. 28.
Colloidal suspensions containing copper and product thereof, Forming. G. E. Sanders. 1,803,870; May 5.
Colloids, Defiocculation of. W. O. Borcherdt. 1,799,277; Apr. 7.
Colon irrigator or bidet. M. E. Berry. 1,838,356; Dec. 29.
Colon treatments, Apparatus for administering. C. C. Honsaker. 1,818,978; Aug. 18.
Colony counting apparatus for laboratory use. T. C. Buck, jr. 1,829,472; Oct. 27.
Colophony and other resinous products from resinous plants or woods, Manufacture of pure. D. Gardner. 1,822,210; Sept. 8.
Color-applying device and making the same. J. W. Wolstenholme. 1,793,202; Feb. 17.
Color arrangement. W. Grumbacher. 1,805,520; May 19.
Color designs to fibrous materials, Transfer of. S. J. Cox. 1,820,559; Aug. 25.
Color display apparatus. W. H. Woodford. 1,824,859; Sept. 29.
Color effect of cotton yarn to that of cuprammonium silk, Equalizing the. F. Steinberg. 1,797,247; Mar. 24.
Color flasher. L. L. Beck. 1,826,384; Oct. 6.
Color in vacuum tube lamps, Controlling the. L. L. Beck. 1,826,386; Oct. 6.
Color in vacuum tube lights, Modifying. G. Claude and J. M. E. de Beaufort. 1,827,705; Oct. 13.
Color lakes from petroleum, Manufacturing. G. Alleman. 1,818,778; Aug. 11.
Color of articles, Device for determining the exact. W. C. Durfee. 1,802,007; Apr. 21.
Color of vacuum tube lights, Method of and apparatus for modifying. L. L. Beck. 1,827,704; Oct. 13.
Color photography. R. F. P. Defregger. 1,801,143; Apr. 14.
Color photography. M. B. du Pont. 1,814,672; July 14.
Color photography. J. N. Goldsmith and T. T. Baker. 1,826,001; Oct. 6.
Color photography. J. B. Harris, jr. 1,825,863; Oct. 6.
Color photography. W. V. D. Kelley. 1,830,468; Nov. 3.
Color printing machine, Plural. H. Fischer. 1,807,656; June 2.
Color printing process. C. Olsen. 1,814,845; July 14.
Color system for disguising objects. R. Greenleaf. 1,822,926; Sept. 15.
Colored designs and the application thereof to the manufacture of woven fabrics, Production of. F. Twyman and C. F. Smith. 1,788,135; Jan. 6.
Colored facsimile system. R. H. Ranger and S. B. Smith. 1,817,098; Aug. 4.
Colored reproduction by imbibition, Preparation of. B. Sugden. 1,807,805; June 2.
Colorimeter. J. C. Baker and C. F. Wallace. 1,794,134; Feb. 24.
Colorimeter. W. L. Patterson. 1,799,639; Apr. 7.
Coloring matters, Production of polyazo. W. M. Ralph. 1,832,322; Nov. 17.
Colors and filling materials serving for the manufacture of flagstones made of cement or other material, Apparatus for distributing. R. de F. Vinardell. 1,800,419; Apr. 14.
Colors, dyes, and bases therefor. M. T. Harvey. 1,838,070; Dec. 22.
Column. C. B. Schneible. 1,790,596; Jan. 27.
Column clamp. J. M. Willard. 1,795,586; Mar. 10.
Column clamp, Hydraulic. L. R. Williamson. 1,825,986; Oct. 6.
Column construction. J. W. Cross. 1,804,320; May 5.
Column headings, System of. H. R. Wilson. 1,801,031; Apr. 14.
Column tabulating machine, Selective. F. M. Carroll. 1,821,089; Sept. 1.
Comb; *See*—
Agricultural comb.
Barber's comb.
Finger comb.
Hair waving comb.
Liquid treatment comb.
Pocket comb.
Therapeutic comb.
Water wave comb.
Comb. R. Ehrlich. 1,824,665; Sept. 22.
Comb. V. S. Ellzey. 1,827,425; Oct. 13.

Comb. I. Fish. 1,788,457; Jan. 13.
Comb. H. H. Hutchings. 1,789,526; Jan. 20.
Comb. C. Lewis. 1,829,228; Oct. 27.
Comb. H. L. J. Marshall. 1,823,850; Sept. 15.
Comb. L. L. Miller. 1,819,433; Aug. 18.
Comb. J. Zappulla. Des. 84,558; June 30.
Comb cleaner. P. M. Wright. 1,808,486; June 2.
Comb for the application of dyes. J. Laguionie. 1,833,293; Nov. 24.
Comb for tobacco feeders. R. R. Karich. 1,837,717; Dec. 22.
Comb or brush, Graining. A. Hanratty. 1,818,326; Aug. 11.
Comb retaining device. G. K. Lorenz. 1,803,026; Apr. 28.
Comber roll for combing raw cotton. W. H. Heffernan. 1,801,046; Apr. 14.
Combing machine. C. Gégauff. 1,816,644; July 28.
Combing machine. J. W. Nasmith. 1,828,377; Oct. 20.
Combing machine for textile fibres. J. W. Nasmith. 1,827,689; Oct. 13.
Combing machines, Reversed needle plate for feeding the sliver in. C. Schleifer. 1,799,066; Mar. 31.
Combs, Attachment for. A. J. McCloskey. 1,795,957; Mar. 10.
Combs, Water-retaining means for. E. Burkhart. 1,794,754; Mar. 3.
Combination button and belt strap. H. I. Silman. 1,833,439; Nov. 24.
Combination instrument. I. Daehlin. 1,809,775; June 9.
Combination lock. H. Beck. 1,826,235; Oct. 6.
Combination lock. S. N. Hope. 1,837,219; Dec. 22.
Combination lock. S. N. Hope and J. J. Neitz. 1,831,177; Nov. 10.
Combination lock. J. E. Leary. 1,816,382; July 28.
Combination lock. A. Levine. 1,799,472; Apr. 7.
Combination lock. D. Roberti. 1,811,563; June 23.
Combination lock. M. Samburg. 1,796,270–1; Mar. 10.
Combination lock, Automatic. F. B. Ashton. 1,801,299; Apr. 21.
Combination lock, Key operated. O. D. von Mehren. 1,819,853; Aug. 18.
Combine. J. Mainland. 1,799,306; Apr. 7.
Combined light globe and traffic signal. R. J. Lackner. 1,809,785; June 9.
Combustible charge for use in internal combustion engines. Producing a. D. Balachowsky and P. Caire. 1,815,178; July 21.
Combustible constituents from the products of combustion of an internal-combustion engine, Eliminating. J. C. W. Frazer. 1,789,812; Jan. 20.
Combustible mixtures, Forming. C. N. Pogue. 1,792,239; Feb. 10.
Combustion apparatus. J. A. Filbert. 1,789,734; Jan. 20.
Combustion apparatus. G. R. McDermott. 1,832,133; Nov. 17.
Combustion apparatus. S. K. Smith. 1,829,197; Oct. 27.
Combustion, Apparatus for producing perfect. P. F. Nicolini. 1,795,345; Mar. 10.
Combustion apparatus, Fractional. P. J. A. Maignen. 1,804,174; May 5.
Combustion apparatus, Fractional. P. J. A. Maignen. 1,810,670; June 16.
Combustion cone or protector for torches. R. A. Currie. 1,826,241; Oct. 6.
Combustion chamber. G. A. Bryan. 1,817,801; Aug. 4.
Combustion chamber. B. Dobie. 1,806,793; May 26.
Combustion chamber. H. S. Hewitt. 1,800,070; Apr. 7.
Combustion chamber construction for internal combustion engines. A. Moore. 1,814,523; July 14.
Combustion chamber control, Adjustable. F. A. Talbot. 1,812,572; June 30.
Combustion control. M. G. Benjamin. 1,826,644; Oct. 6.
Combustion control. R. P. Brown. 1,816,311; July 28.
Combustion control. G. H. Gibson. 1,820,940; Sept. 1.
Combustion control. T. A. Peebles. 1,800,400; Apr. 14.
Combustion control, Automatic. B. S. Franklin. 1,802,317; Apr. 21.
Combustion control system. M. G. Benjamin. 1,836,786; Dec. 15.
Combustion control system. T. A. Peebles. 1,820,580; Aug. 25.
Combustion, Controlling. L. W. Eggleston. 1,788,357; Jan. 6.
Combustion device for furnaces. R. D. Delamere. 1,826,748; Oct. 13.
Combustion engine. F. R. Chaudet. 1,791,523; Feb. 10.
Combustion engine. R. Schilling. 1,793,640; Feb. 24.
Combustion engine, Constant compression. R. P. McNaught. 1,828,976; Oct. 27.
Combustion engine, Multicylinder. G. Pielstick. 1,836,498; Dec. 15.
Combustion engine, Rotary. O. T. Nichol. 1,790,280; Jan. 27.
Combustion in boiler furnaces, Regulating. A. G. S. Sandison. 1,805,012; May 12.
Combustion in metallurgical and glass furnaces, Controlling. G. R. McDermott. 1,810,776; June 16.
Combustion mixture control. G. H. Irwin. 1,814,163; July 14.
Combustion regulation. G. H. Gibson. 1,806,970; May 26.
Combustion regulation. G. H. Gibson. 1,820,939; Sept. 1.
Combustion unit, equalizing. D. L. Marshall. 1,795,309; Mar. 10.
Commercial products from phosphatic material, Manufacturing. J. W. Walton. 1,803,417; May 5.
Comminuted matter from the liquid in which it is immersed, Separating. C. H. Nordell. 1,815,159; July 21.
Communicating device. R. G. Stillman. 1,831,891; Nov. 17.
Communicating systems. R. D. Parker. 1,805,594; May 19.
Communication apparatus used with communication lines subjected to extraneous voltage, Protective device for. R. W. Osborne. 1,814,453; July 14.
Communication between aircraft in full flight and the ground, Method and device for establishing. C. Chilowsky. 1,829,474; Oct. 27.
Communication by electromagnetic waves. G. von Arco. 1,827,054; Oct. 13.
Communication by frequency variation. C. W. Hansell. 1,819,508; Aug. 18.
Communication system. R. W. Bumstead. 1,835,929; Dec. 8.
Communication system. E. N. Dingley. 1,792,417; Feb. 10.
Communication system. F. W. Godsey, jr. 1,807,658; June 2.
Communication system. J. W. Horton. 1,816,905; Aug. 4.
Communication system. F. B. Monar. 1,824,784; Sept. 29.
Communication system, Electrical. H. W. Dudley. 1,832,366; Nov. 17.
Communication system, Synchronous. R. F. Dirkes. 1,815,969; July 28.
Commutator. V. G. Apple and W. M. Doehring. 1,808,750; June 9.
Commutator and making the same. J. M. Aufiero and J. H. Smoot. 1,826,443; Oct. 6.
Commutator assembling machine. L. E. Poole. 1,835,120; Dec. 8.
Commutator assembling process. R. F. Judisch. 1,831,534; Nov. 10.
Commutator assembly, Molded. G. C. Wilson. 1,813,333; July 7.
Commutator, Automatic. G. Pedrazzo. 1,834,639; Dec. 1.
Commutator construction for electric machines. C. W. Landers. 1,811,180; June 23.
Commutator, Disk-spring. G. A. Moore. 1,826,628; Oct. 6.
Commutators, Apparatus for making. L. E. Poole, J. Q. Holmes, and L. C. Goad. 1,828,441; Oct. 20.
Commutators from armature shafts, Apparatus for removing. W. E. Pabst. 1,800,566; Apr. 14.
Commutators, Truing. H. D. Munday. 1,825,676; Oct. 6.
Compact. N. R. Andrews. Des. 83,026; Jan. 13.
Compact. W. Poranski. 1,792,030; Feb. 10.
Compact. W. Poranski. 1,796,477; Mar. 17.
Compact and puff holder for vanity boxes. A. S. Lyhne. 1,808,961; June 9.
Compact case. M. E. Lessin. 1,803,023; Apr. 28.
Compact, Cosmetic. B. Ames. 1,836,832; Dec. 15.
Compact or the like. M. Kline. Des. 83,048; Jan. 13.
Compact, Pocket book. R. Katrinak. 1,809,517; June 9.
Compact, Wrist. A. F. Aiello. 1,823,814; Sept. 15.
Compact, Wrist. R. J. Swanson. Des. 85,403; Oct. 20.
Compacting material. J. T. Stoney. 1,791,583; Feb. 10.
Compacts, Eating instrument. A. B. Edwards. 1,814,547; July 14.
Comparator. P. E. Klopsteg. 1,804,421; May 12.
Compartment box. A. P. Hodge. 1,817,562; Aug. 4.
Compartment can. H. M. Nichols. 1,814,180; July 14.
Compartment can. G. A. Sexton. 1,803,566; May 5.
Compartment, Clothing. J. L. Richardson. 1,806,882; May 26.
Compartment head. T. J. Starke and E. W. Farley. 1,837,343; Dec. 22.
Compartment shower bath. H. A. Mullett and H. E. Heine. 1,821,229; Sept. 1.
Compartments for aeroplanes, Detachable floating. L. Blériot. 1,812,317; June 30.
Compass and latitude indicator, Gyroscopic. E. Arrea. 1,801,619; Apr. 21.
Compass and light, Combined. L. F. Wilson. 1,819,310; Aug. 18.
Compass, Automobile. W. Dodd. 1,822,340; Sept. 8.
Compass card and bearing board. A. Knutson. 1,794,964; Mar. 3.
Compass, Combination bar and leg. W. F. Short. 1,835,674; Dec. 8.
Compass, Compensated gyroscopic. C. D. Farmer and W. R. Hight. 1,834,692; Dec. 1.
Compass course and ground speed indicator. R. E. Kennedy. 1,828,807; Oct. 27.
Compass, Gyroscopic. O. Richter. 1,837,292; Dec. 22.
Compass, Liquid-controlled gyroscopic. H. H. Thompson. 1,793,142; Feb. 17.
Compass, Magnetic. G. A. Salzgeber. 1,799,648; Apr. 7.
Compass protractor and ruler, Combination. W. E. Owen, jr. 1,808,705; June 2.
Compass, Radio. F. A. Kolster. 1,800,454; Apr. 14.
Compass, Radio. F. A. Kolster. 1,807,919; June 2.
Compass, Transparent mariner's. A. Lietz. 1,828,194; Oct. 20.
Compensating device. J. M. Dayton. 1,826,604; Oct. 6.
Compensating device and method of compensating. W. L. Krahl. 1,829,225; Oct. 27.

Compensating device for highway guard fence cables. R. G. Williams. 1,828,349; Oct. 20.
Compensating joint. E. Bagby. 1,808,624; June 2.
Compensating mechanism. R. L. Wilcox. 1,798,919; Mar. 31.
Compensation winding, Commutated. R. Richter and A. Fakete. 1,830,767; Nov. 10.
Compensator, Automatic dialation. M. Charles. 1,830,869; Nov. 10.
Compensator for dynamo-electric machines, Temperature. L. I. Davis, D. C. Larson, and G. W. Lautrup. 1,837,951; Dec. 22.
Compensator for traveling felts in paper making machines, Automatic. W. J. Trempe. 1,826,103; Oct. 6.
Compensator switch. A. M. Skudre. 1,809,641; June 9.
Composing room machine. E. Cheshire. 1,812,685; June 30.
Composite board. H. H. Van Hagan. 1,789,327; Jan. 20.
Composite glass, Ornamental. G. F. Colbert and W. H. Colbert. 1,802,169–70; Apr. 21.
Composite material. W. O. Stoddard, jr. 1,814,643–4; July 14.
Composite material, Making. L. T. Frederick. 1,799,506; Apr. 7.
Composite product. W. L. Semon. 1,802,985; Apr. 28.
Composite product, Apparatus for making. L. T. Frederick. 1,831,065; Nov. 10.
Composite product and making the same. B. S. Garvey. 1,810,560; June 16.
Composite sheet forming machine. H. Ginsberg. 1,810,561; June 16.
Composition. E. P. Ryan. 1,829,611; Oct. 27.
Composition. W. H. Wright. 1,802,071; Apr. 21.
Composition adapted as a binder for hood caps and for other purposes, Sulphured. C. Ellis. 1,815,615; July 21.
Composition and article impregnated and coated therewith. W. H. Wright. 1,833,810; Nov. 24.
Composition and fireproofing cellulose material. F. S. Vivas. 1,839,136; Dec. 29.
Composition and making delineated areas. C. Ellis. 1,830,872; Nov. 10.
Composition and making same, Molding. C. Ellis. 1,832,807; Nov. 17.
Composition and making same, Plastic. I. F. Laucks, H. P. Banks, G. Davidson, H. F. Rippey, and C. N. Cone. 1,835,713; Dec. 8.
Composition and making the same. M. T. Harvey. 1,821,095; Sept. 1.
Composition and producing and using it. E. Thomas. 1,825,834; Oct. 6.
Composition bushing and making the same. F. C. Morris. 1,808,247; June 2.
Composition, Coating. E. P. Cox. 1,824,771; Sept. 29.
Composition containing a derivative of cellulose. G. W. Seymour. 1,828,449; Oct. 20.
Composition containing agar and preparing same. F. W. Nitardy. 1,799,804; Apr. 7.
Composition for and method of heat and fireproofing paper, craftboard, and the like. O. Herting. 1,804,417; May 12.
Composition for artificial parts for corpses. W. J. Collier. 1,811,384; June 23.
Composition for cadmium plating baths. C. H. Humphries. 1,816,152; July 28.
Composition for cadmium plating baths. G. H. Humphries. 1,833,423; Nov. 24.
Composition for ceramic uses, and making the same. T. S. Curtis. 1,830,934; Nov. 10.
Composition for dyeing leather, shoes, gloves and hides. E. Comes. 1,810,266; June 16.
Composition for electrical insulation and other purposes and method and steps for making and using the same. M. T. Harvey. 1,838,077; Dec. 22.
Composition for finishing fabrics and fibrous materials. H. Bertsch. 1,830,255; Nov. 3.
Composition for flameproofing inflammable materials. F. L. Roman. 1,827,263; Oct. 13.
Composition for imbibition printing. B. S. Tuttle. 1,807,809; June 2.
Composition for lifting friction skin imprints. F. K. Hadley. 1,833,287; Nov. 24.
Composition for making thin brittle shells for cold edibles. W. D. Thompson. 1,794,741; Mar. 3.
Composition for preservative treatment of fresh fruit. E. M. Brogden and M. L. Trowbridge. 1,809,016; June 9.
Composition for producing irritating smoke clouds. D. B. Bradner. 1,805,755; May 19.
Composition for purifying petroleum oils. J. H. Hirt. 1,809,554; June 9.
Composition for removing carbon and rust. G. R. Wagner. 1,792,052; Feb. 10.
Composition for the manufacture of conduits and the like. C. D. Ryder. 1,805,431; May 12.
Composition for treating metals. E. K. Wallace. 1,790,960; Feb. 3.
Composition, Noncorroding. J. W. Orelup and O. I. Lee. 1,795,883; Mar. 10.
Composition of material for use in panary fermentation. J. W. Hawks. 1,808,108; June 2.
Composition of materials and producing them. M. T. Harvey. 1,819,416; Aug. 18.
Composition of matter. C. H. Brown. 1,793,357; Feb. 17.
Composition of matter. D. C. Bruce. 1,804,245; May 5.
Composition of matter. G. J. Comstock. 1,815,613; July 21.
Composition of matter. H. B. Dykstra and W. E. Lawson. 1,806,152; May 19.
Composition of matter. L. McCulloch. 1,821,390; Sept. 1.
Composition of matter. C. E. Miller. 1,791,630; Feb. 10.
Composition of matter. A. Mulville. 1,802,442; Apr. 28.
Composition of matter adapted for the fabrication of battery boxes and other articles. A. B. Mackey and E. A. Mackey. 1,824,220; Sept. 22.
Composition of matter and making the same. E. B. Welch. 1,822,426; Sept. 8.
Composition of matter and plastics and coatings therefrom. C. Ellis. 1,835,767; Dec. 8.
Composition of matter and producing same. O. A. Cherry and F. Kurath. 1,800,815; Apr. 14.
Composition of matter and producing same. H. Gray. 1,796,018; Mar. 10.
Composition of matter containing cellulose acetate and carbonate. H. B. Smith. 1,836,687; Dec. 15.
Composition of matter containing trimethylene glycol dibutyrate, Cellulosic. S. J. Carroll. 1,836,701; Dec. 15.
Composition of matter for treating solid fuel. F. L. Mennie. 1,799,631; Apr. 7.
Composition of matter for welding copper and steel. E. J. Schaffner. 1,836,401; Dec. 15.
Composition of matter, Preparing a. V. Scholz. 1,796,219; Mar. 10.
Composition of matter, Ternary. R. W. Davenport. 1,803,098; Apr. 28.
Composition sheet or slab, Making a. A. H. Birdsall. 1,815,608; July 21.
Composition, Silver cleaning. G. Jones and D. W. Marshall. 1,823,402; Sept. 15.
Composition, Tenacious and fireproof. C. Marczinczek. 1,800,024; Apr. 7.
Composition, Treatment of worm-killing. W. E. Waterhouse. 1,796,070; Mar. 10.
Compositions and preparing the same, Acid-proof cementing. A. Gramberg. 1,837,614; Dec. 22.
Compositions of matter and methods and steps of making and using the same. M. T. Harvey. 1,838,076; Dec. 22.
Compositions of matter embodying vegetable protein containing material and to the product thereof, Reducing the water requirement of. E. D. Brown, G. Davidson, and I. F. Laucks. 1,836,897; Dec. 15.
Compositions, Prevention of livering in pigmented carbohydrate compound. J. D. McBurney and E. H. Nollau. 1,836,264; Dec. 15.
Compound adapted for the preservation of wood. B. R. V. Malenković. 1,795,658; Mar. 10.
Compound appliance. A. W. Charbonneau. 1,814,895; July 14.
Compound box. O. B. Andrews. 1,794,821; Mar. 3.
Compound for cleaning and polishing surfaces. L. L. Tuorto. 1,815,599; July 21.
Compound lining machine. J. M. Hothersall. 1,811,433; June 23.
Compound, Lubricating. G. L. Southard. 1,804,124; May 5.
Compound, Melting. S. Keoleian. 1,825,151; Sept. 29.
Compound of dialkyl barbituric acids and making the same. E. Preiswerk. 1,805,294; May 12.
Compound of 5-nitro-2-amino-1-methylbenzene, Stable diazo. W. Hentrich and E. Tietze. 1,813,621; July 7.
Compound of p-iodo-ethoxybenzoic acid benzylester, Molecular. C. L. Lautenschläger, M. Bockmühl, G. Ehrhart and A. Schwarz. 1,836,125; Dec. 15.
Compound, or a gas, by a gaseous agent serving to enter into reaction therewith, Treatment of a metallic, organic or other. A. Joseph. 1,807,534; May 26.
Compound, Pipe joint. W. Mano. 1,822,663; Sept. 8.
Compounding process and products. W. A. Gibbons. 1,798,253; Mar. 31.
Compounds, Aminoalkyl derivative of aminotriphenyl methane. W. Schulemann, V. Hammerstein, A. Wingler, and F. Schönhöfer. 1,828,077; Oct. 20.
Compounds and preparing them, Basic. M. Bockmuhl and R. Knoll. 1,805,535; May 12.
Compounds and process therefor, Finely divided metallic. R. H. Eagles. 1,829,395; Oct. 27.
Compounds containing active oxygen, Electrolytical manufacture of. E. Noack, O. Nitzschke, and G. Pfleiderer. 1,792,389; Feb. 10.
Compounds containing active oxygen, Production of. J. Eckell. 1,792,633; Feb. 17
Compounds containing a fatty acid radical, Stabilization of. P. I. Murrill. 1,822,108; Sept. 8.
Compounds containing oxygen, Manufacture of organic. M. Pier and G. Wietzel. 1,788,170; Jan. 6.
Compounds. Crystalline organic. C. J. Schwindt. 1,806,715; May 26.
Compounds from alkyl benzenes, Obtaining oxygenated. J. Binapl and W. Krey. 1,813,606; July 7.
Compounds having an affinity for cotton and being diazotizable on the fiber. G. Kalischer and W. Lange. 1,823,743; Sept. 15.
Compounds, Manufacture of thiohydroxy organic. W. J. Hale. 1,825,662; Oct. 6.
Compounds, Method of and apparatus for preparing. C. A. Purdy. 1,807,931; June 2.

Compounds of the anthracene series and preparing them. K. Schirmacher and H. Schliehenmaier. 1,821,035; Sept. 1.
Compounds of the anthanthrone series. R. Heidenreich. 1,820,019; Aug. 25.
Compounds of the benzathraquinone series, New. R. M. Heidenreich. 1,804,870; May 12.
Compress, High density. G. W. Langford, A. C. Barrows, and J. H. McLean. 1,822,046; Sept. 8.
Compress. H. L. Haines and F. A. Mickle. 1,838,619; Dec. 29.
Compresses for local bodily treatment, Device for keeping warm and damp. J. Jaeg. 1,825,118; Sept. 29.
Compressible and elastic material, Making. A. C. Fischer. 1,809,800; June 9.
Compressing unit for inflammable gas. F. A. Browne. 1,837,404; Dec. 22.
Compression brake for hoisting drums. C. E. Kendrick and B. W. Moore. 1,821,756; Sept. 1.
Compression coupling. M. Schnaier. 1,790,025; Jan. 27.
Compression device for internal combustion engines, Constant. A. G. Redmond. 1,812,983; July 7.
Compression explosion engine. B. S. Maher. 1,836,179; Dec. 15.
Compression method and apparatus for producing carbon-dioxide snow, Dual-effect. J. C. Goosmann. 1,795,772; Mar. 10.
Compression of packaged substances, Apparatus for the. W. A. Duerr. 1,822,923; Sept. 15.
Compressor. C. Baxter. 1,797,493; Mar. 24.
Compressor. R. H. Beman. 1,789,694; Jan. 20.
Compressor. L. J. Clapp. 1,834,596; Dec. 1.
Compressor. E. A. Cobb. 1,789,618; Jan. 20.
Compressor. P. H. Davey. 1,820,732; Aug. 25.
Compressor. A. E. Elmore. 1,791,958; Feb. 10.
Compressor. S. W. Luitwieler. 1,818,413; Aug. 11.
Compressor. T. I. Potter. 1,834,734; Dec. 1.
Compressor. W. G. E. Rolaff. 1,789,843; Jan. 20.
Compressor. C. S. Sorensen. 1,822,064; Sept. 8.
Compressor. C. C. Spreen. 1,797,803; Mar. 24.
Compressor. L. Stoesling and W. D. Pearsall. 1,813,128; July 7.
Compressor. E. Wilson. 1,832,601; Nov. 17.
Compressor, Air. H. and W. P. Gilbert. 1,799,684; Apr. 7.
Compressor, Air. E. T. and W. A. Hewitt. 1,800,631; Apr. 14.
Compressor, Air. F. P. Hinckley. 1,791,672; Feb. 10.
Compressor, Air. L. H. Hyatt. 1,808,554; June 2.
Compressor, Air. R. P. Pescara. 1,798,697; Mar. 31.
Compressor, Air. E. H. White. 1,789,376; Jan. 20.
Compressor and converting Ford motor into same. W. E. Hoffman. 1,804,873; May 12.
Compressor and pump. E. W. Swartwout. 1,803,660; May 5.
Compressor and tank unit. E. A. Hobart. 1,802,175; Apr. 21.
Compressor and the like, Hydraulically operated air. A. C. Jamieson, J. F. Gardiner, and W. J. McDonald. 1,804,876; May 12.
Compressor, Centrifugal. P. D. Caldwell. 1,820,344; Aug. 25.
Compressor, Centrifugal. F. Schmidt. 1,792,248; Feb. 10.
Compressor condenser unit. F. C. Geiler. 1,823,858; Sept. 15.
Compressor control apparatus. F. Neale. 1,812,057; June 30.
Compressor control device. J. C. McCune. 1,805,629; May 19.
Compressor control structure. M. E. Henning. 1,829,593; Oct. 27.
Compressor control system, Automatic. J. W. Sanford. 1,834,592; Dec. 1.
Compressor controlling mechanism. L. J. Clapp. 1,834,601; Dec. 1.
Compressor controlling mechanism. F. D. Holdsworth. 1,834,593–4; Dec. 1.
Compressor, Fluid. E. Wilson. Re18251; Nov. 17.
Compressor for corrosive gases. J. A. Fortune. 1,801,419; Apr. 21.
Compressor for refrigerating apparatus. C. E. Owens. 1,826,479; Oct. 9.
Compressor for refrigerating apparatus. G. F. Woelfel. 1,799,449; Apr. 7.
Compressor, Gas. F. E. Robbennolt. 1,800,570; Apr. 14.
Compressor, High pressure gas. E. Prestage. 1,805,741; May 19.
Compressor, High pressure gas. E. Prestage. 1,818,580; Aug. 11.
Compressor, High-pressure reciprocating. C. Schaer. 1,787,643; Jan. 6.
Compressor. High-pressure reciprocating. C. Schaer. 1,798,227; Mar. 31.
Compressor, High pressure reciprocating. C. Schaer. 1,806,311; May 19.
Compressor, High pressure reciprocating piston. C. Schaer. 1,816,403; July 28.
Compressor, High speed. W. Fourness. 1,819,285; Aug. 18.
Compressor, Lubricant. E. W. Davis. 1,803,524; May 5.
Compressor, Lubricant. E. W. Davis. 1,806,615; May 26.
Compressor, Lubricant. D. F. Fesler. 1,787,440; Jan. 6.
Compressor, Lubricant H. Kreidel. 1,793,493; Feb. 24.
Compressor, Material. R. B. Coleman and W. R. Hamilton. 1,788,791; Jan. 13.
Compressor mechanism. F. D. Holdsworth. 1,819,709; Aug. 18.
Compressor mechanism, Portable. L. J. Clapp. 1,834,599; Dec. 1.
Compressor, Mine car. F. D. Holdsworth. 1,819,710; Aug. 18.
Compressor. Piston-ring. B. F. Green. 1,789,139; Jan. 13.
Compressor, Piston ring. C. G. King. 1,812,962; July 7.
Compressor, Piston-ring. C. N. Teetor. 1,793,029; Feb. 17.
Compressor, Pneumatic lubricant. N. W. Morse. 1,837,572; Dec. 22.
Compressor, pump, or the like, Rotary. R. Schmidt. 1,834,976; Dec. 8.
Compressor, Reciprocating. W. G. E. Rolaff. 1,795,445; Mar. 10.
Compressor, Reciprocating piston. C. Schaer. 1,797,245; Mar. 24.
Compressor, Rotary. O. E. Clark. 1,817,735; Aug. 4.
Compressor, Rotary. F. Feyens. 1,802,887; Apr. 28.
Compressor, Rotary. T. W. Nichols. 1,787,543; Jan. 6.
Compressor, Rotary. S. Smith. 1,799,539; Apr. 7.
Compressor, Rotary. J. T. Trumble. 1,834,509; Dec. 1.
Compressor, Rotary air. P. D. Hibner. 1,796,843; Mar. 17.
Compressor, Steam driven fluid. B. H. Thompson. 1,816,098; July 28.
Compressor structure. F. R. West. 1,801,705; Apr. 21.
Compressor unit, Motor. J. S. Wolfe. 1,835,834; Dec. 8.
Compressor unloader. J. Le Valley. 1,796,796; Mar. 17.
Compressor unloader. W. E. Mathews. 1,795,310; Mar. 10.
Compressor unloading device. W. Trapper. 1,806,925; May 26.
Compressor, Variable capacity. M. Riesner 1,812,607; June 30.
Compressors and analogous machines, Sealing and thrust-balancing means for rotary. E. Wolf. 1,789,329; Jan. 20.
Compressors, Device for automatically regulating air. G. Rothmann. 1,799,180; Apr. 7.
Compressors, Pressure controlling means for. P. J. Marchaut. 1,833,613; Nov. 24.
Compressors, Preventing pulsations in centrifugal. F. Schmidt. 1,796,053; Mar. 10.
Computation and the recording of labor costs, Mechanism for the mechanical. R. R. Leslie. 1,821,941; Sept. 8.
Computer, Mechanical. J. H. Taylor. 1,824,382; Sept. 22.
Computing and recording mechanism. H. R. Brand. 1,825,141; Sept. 29.
Computing attachment for liquid dispensing devices. J. Beall. 1,812,676; June 30.
Computing machine. E. E. Barney. 1,807,584; June 2.
Computing machine. G. O. Degener. 1,794,368; Mar. 3.
Computing machine. A. Errera. 1,823,262; Sept. 15.
Computing machine. C. Hamann. 1,788,192; Jan. 6.
Computing machine. F. A. Hart. 1,790,472; Jan. 27.
Computing machine. F. A. Hart. 1,807,593; June 2.
Computing machine. F. A. Hart. 1,812,873; July 7.
Computing machine. J. C. Hochman and G. O. Degener. 1,803,329; May 5.
Computing machine. R. H. Strother. 1,810,329; June 16.
Computing machine. A. Vethe. 1,829,379; Oct. 27.
Computing machine. S. L. Walsoe and L. J. Betz. 1,837,599; Dec. 22.
Concentrates of rhenium, Production of. W. and I. Noddack. 1,804,429; May 12.
Concentrating solutions, Apparatus for. J. Hamill, J. F. Taddiken, and G. W. Connon. 1,795,601; Mar. 10.
Concentrating table. M. J. Lide. 1,799,694; Apr. 7.
Concentration method and apparatus. B. A. Miller. 1,822,362; Sept. 8.
Concentration of materials suspended in liquids, Process and apparatus for automatically regulating or indicating the. T. Halle. 1,789,386; Jan. 20.
Concentration process for flotable substances as ores, coals, graphite, and the like. W. Schäfer. 1,788,331; Jan. 6.
Concentration units, Repeating apparatus for. A. Atherton. 1,805,351; May 12.
Concentrator, Agitating sluice. V. V. Clark. 1,831,524; Nov. 10.
Concentric conducting system. L. Espenschied and H. A. Affel. 1,835,031; Dec. 8.
Concrete admixture composition. C. D. Cory. 1,826,166; Oct. 6.
Concrete and like materials, Apparatus for distributing and spreading. H. P. Paris and A. Knowles. 1,837,580; Dec. 22.
Concrete and the like, Plant for mixing the components of. P. Grünberger. 1,790,143; Jan. 27.
Concrete articles, Producing dense. J. C. Pelton. 1,800,401; Apr. 14.
Concrete batcher, Water-cement ratio. P. J. Halloran. 1,790,813; Feb. 3.
Concrete block groin or sea wall. C. T. Leeds and W. K. Barnard. 1,812,300; June 30.
Concrete block wall construction. F. M. Sawyer. 1,802,839; Apr. 28.
Concrete blower. A. R. Cuthbertson. 1,817,240; Aug. 4.
Concrete building construction. K. P. Billner. 1,834,043; Dec. 1.
Concrete building construction. W. R. Sproul. 1,791,645; Feb. 10.

Concrete building construction. W. R. Sproul. 1,793,524; Feb. 24.
Concrete building structure. A. G. Clark. 1,813,912; July 14.
Concrete building structure. C. E. Eastman. 1,794,678; Mar. 3.
Concrete-column clamp. J. A. Johnson. 1,792,987; Feb. 17.
Concrete, Constructing with. C. Bradley. 1,815,492; July 21.
Concrete construction, Structural head for reenforced. E. W. Hyde, jr. 1,804,342; May 5.
Concrete construction, Unit. H. M. Knight. 1,801,631; Apr. 21.
Concrete delivery apparatus. S. Shafer, jr. 1,805,602; May 19.
Concrete-distributing apparatus. A. P. Robinson. 1,792,710; Feb. 17.
Concrete fence post. G. E. Nagel. 1,809,757; June 9.
Concrete-finishing float. B. R. Smith. 1,797,484; Mar. 24.
Concrete flooring, Bituminous. L. S. Wilbur. 1,824,418; Sept. 22.
Concrete floors, Apparatus for forming. J. J. Morgan. 1,817,757; Aug. 4.
Concrete form. W. M. Goldsmith. 1,803,109; Apr. 28.
Concrete form. I. W. Litchfield. 1,811,398; June 23.
Concrete form. J. H. Rush. 1,796,400; Mar. 17.
Concrete form. F. M. Sutton. 1,807,943; June 2.
Concrete form. C. I. Williams. 1,799,269; Apr. 7.
Concrete form clamp. C. I. Williams. 1,831,153; Nov. 10.
Concrete form for floors. T. Knutson. 1,807,315; May 26.
Concrete, Forming and molding. C. Jackson. 1,787,449; Jan. 6.
Concrete, Gypsum. G. D. King and F. J. Gough. 1,813,452; July 7.
Concrete insert. M. Carroll. 1,826,201; Oct. 6.
Concrete laying machine. D. G. Clifford. 1,827,529; Dec. 22.
Concrete machine, Cellular. H. E. Brookby and F. J. Gough. 1,818,376; Aug. 11.
Concrete, Manufacture of. M. Lévy. Re18,180; Sept. 8.
Concrete, masonry and steel construction. J. J. O'Reilly. 1,807,323; May 26.
Concrete mixer, Bowl type. F. O'Reilly. 1,837,287; Dec. 22.
Concrete mixer. M. Gilson. 1,788,053; Jan. 6.
Concrete mixer, Transit. C. M. Tuck. 1,820,954; Sept. 1.
Concrete mixer, Truck. G. Jaeger. 1,801,162; Apr. 14.
Concrete mixer. S. Shafer, jr. 1,826,289; Oct. 6.
Concrete mixers, Discharge opening and closure for. K. P. Durham. 1,821,056; Sept. 1.
Concrete, Mixing. W. A. Jaicks. 1,815,357; July 21.
Concrete mixing and distributing apparatus. J. E. Bushnell and J. C. Lukachovic. 1,796,282; Mar. 17.
Concrete mixing or transporting vessels, Charging. J. Eggert. 1,827,713; Oct. 13.
Concrete molding apparatus. W. Kleitz. 1,830,397; Nov. 3.
Concrete molding, Method of and apparatus for pressure. W. M. Meacham. 1,811,950; June 30.
Concrete pile construction, Reenforced. H. E. Squire. 1,811,479; June 23.
Concrete pile, Protected. F. S. Honberger. 1,813,052; July 7.
Concrete pipe construction. K. Mueller. 1,789,877; Jan. 20.
Concrete pipe machine. J. L. Halstead. 1,838,546; Dec. 29.
Concrete pipe, Method and apparatus for making. O. Tuerck. 1,810,583; June 16.
Concrete-placing machine, Pneumatic. J. P. Faber. 1,795,016; Mar. 3.
Concrete, Placing porous. K. P. Billner. 1,798,924; Mar. 31.
Concrete plant. R. W. Flerch. 1,802,340; Apr. 28.
Concrete pole equipment, Portable. E. E. Hawkinson. 1,802,762; Apr. 28.
Concrete, Preparing. M. A. Morrissey and A. F. Moore. 1,832,875; Nov. 24.
Concrete, Producing cellular or porous. E. I. Lindman. 1,791,820; Feb. 10.
Concrete, Producing porous. K. P. Billner. 1,823,343; Sept. 15.
Concrete reenforcement. F. D. Kreuder. 1,789,313; Jan. 20.
Concrete reenforcement. F. D. Kreuder. 1,835,062; Dec. 8.
Concrete reenforcement. H. M. Smith. 1,809,870; June 16.
Concrete, Reenforcing member for. G. H. Reed. 1,801,879; Apr. 21.
Concrete retaining wall. C. Weber. 1,829,463; Oct. 27.
Concrete road lengthwise finishing machine. R. T. Giles. 1,808,719; June 2.
Concrete roads and the like, Insert for. R. Adler. 1,806,275; May 19.
Concrete slab. F. T. Brooks. 1,819,405; Aug. 18.
Concrete slab, Armored reenforced. G. E. Nagel. 1,809,756; June 9.
Concrete slab, Reenforced. T. J. Owen. 1,797,295; Mar. 24.
Concrete sleeper, Multipart articulated reenforced-. C. Doerr. 1,795,110; Mar. 3.
Concrete sleeper, Two-part reenforced. C. Doerr. 1,799,007; Mar. 31.
Concrete sleepers, Securing means for reenforced. E. F. L. Vagneux. 1,800,416; Apr. 14.
Concrete stave making machine. A. H. Nelson. 1,808,860; June 9.
Concrete structural units, Forming. A. E. Schutte. 1,826,529; Oct. 6.
Concrete structure. T. H. Kane. 1,794,409; Mar. 3.
Concrete structure, Initially-tensioned reenforced. H. Sorensen. 1,794,425; Mar. 3.
Concrete structure member, Wood reenforced. O. Schaub. 1,792,040; Feb. 10.
Concrete structure, Stepped, reinforced. J. Ruderman and J. Eberson. 1,796,306; Mar. 17.
Concrete structures, Erecting cellular. H. A. Moody. 1,799,697; Apr. 7.
Concrete structures, Metallic insert for. F. M. Barton. 1,806,662; May 26.
Concrete structures, Molding. J. M. Willard. 1,808,912; June 9.
Concrete testing apparatus. O. H. Hansard and D. D. McGuire. 1,825,954; Oct. 6.
Concrete, Transporting. C. G. A. Schmidt, jr. 1,828,343; Oct. 20.
Concrete transporting apparatus. J. P. Gillespie. 1,828,181; Oct. 20.
Concrete, Tying. W. S. Hewett. 1,818,254; Aug. 11.
Concrete wall construction, Hollow. G. W. Williams. 1,826,111; Oct. 6.
Concrete wall construction, Method and apparatus for. W. R. Sproul and H. Layer. 1,791,646; Feb. 10.
Concrete wall for buildings, dams, and other articles made of concrete, Casting of. S. D. Tönnessen and A. T. Knudsen. 1,789,791; Jan. 20.
Concrete water proofing compound. M. B. Chittick. 1,814,292; July 14.
Concrete with rubber and product, Coating. P. H. Watkins. 1,816,922; Aug. 4.
Concussion switch. E. R. Simpson. 1,834,036; Dec. 1.
Condensation and polymerization products of acetylene, Production of. W. O. Herrmann, H. Deutsch, and W. Haehnel. 1,810,174; June 16.
Condensation product and making the same. H. W. Matheson and F. W. Skirrow. 1,788,772; Jan. 13.
Condensation product and making same. F. Felix. 1,833,245; Nov. 24.
Condensation product and making same, Resinous. J. V. Meigs. 1,801,052; Apr. 14.
Condensation product and method of preparing. H. A. Bruson. 1,815,886; July 21.
Condensation product and preparing same. H. Hönel. 1,800,295; Apr. 14.
Condensation product and producing the same, Phenolic. L. V. Redman, A. J. Wieth, and F. P. Brock. 1,811,808; June 23.
Condensation product of alpha, beta, disubstituted acroleins with primary aromatic amines. W. Kropp. 1,834,849; Dec. 1.
Condensation product of carbamide and aldehydes and making same. A. Gams and G. Widmer. 1,831,706; Nov. 10.
Condensation product of ketonic acids. H. A. Bruson. 1,807,503; May 26.
Condensation product of the diethyl ester of methelene-disalicylic acid-di (p-amino benzyl ether) with pyruvic acid. S. L. Summers. 1,813,364; July 7.
Condensation product of urea. M. Luther and C. Heuck. 1,791,062; Feb. 3.
Condensation products and dyestuffs from thionaphthene-2.3-dicarboxylic acids and preparing the same. F. Mayer. 1,809,207; June 9.
Condensation products and vat dyestuffs of the benzanthrone series. A. Luettringhaus, H. Nereshiemer and W. Eichholz. 1,818,075; Aug. 11.
Condensation products, Cyclohexylamine. K. Thiess and B. Deicke. 1,836,295; Dec. 15.
Condensation products from phenol and formaldehyde, Manufacture of. R. Hessen. 1,816,255; July 28.
Condensation products, Making. E. S. Hole. 1,799,816; Apr. 7.
Condensation products, Making phenol aldehyde. A. Ostersetzer and F. Riesenfeld. 1,807,545; May 26.
Condensation products of carbamide or its derivatives with aldehydes, Treatment of. K. Ripper. 1,817,931; Aug. 11.
Condensation products of carbamide or its derivatives with aldehydes, Treatment of. K. Ripper. 1,817,940; Aug. 11.
Condensation products of carbamides and formaldehydes, Production of. W. Pungs, K. Eisenmann, and J. Kuchenbuch. 1,836,553; Dec. 15.
Condensation products of phenols and starches. E. E. Novotny and C. J. Romineux. 1,815,930; July 28.
Condensation products of urea and formaldehyde. O. A. Cherry. 1,790,461; Jan. 27.
Condensation products of urea and formaldehyde, Production of. M. Luther, W. Pungs, R. Griessbach and C. Heuck. 1,794,084; Feb. 24.
Condensation products of the anthracene series and anthraquinone derivatives, Making. P. Grossman. 1,833,250; Nov. 24.

Condensation products of the anthraquinone series, Preparing. G. Kränzlein and H. Vollmann. 1,792,169; Feb. 10.
Condensation products of the anthrone series and preparing them. G. Kränzlein, H. Vollman, H. Greune, and A. Wolfram. 1,837,326; Dec. 22.
Condensation products of the benzanthrone series. A. Luettringhaus, H. Neresheimer, and H. J. Emmer. 1,818,074; Aug. 11.
Condensation products of the benzanthrone series. P. Nawiasky, O. Braunsdorf, and A. Ehrhardt. 1,818,083; Aug. 11.
Condensation products of the diazine series, New. W. Hentrich, M. Hardtmann, and R. Knoche. 1,817,982; Aug. 11.
Condenser. P. Andersson. 1,792,796; Feb. 17.
Condenser. A. O. Austin. 1,810,385; June 16.
Condenser. K. B. Ayers. 1,813,871; July 7.
Condenser. P. A. Bancel. 1,794,135; Feb. 24.
Condenser. P. A. Bancel. 1,804,584; May 12.
Condenser. P. A. Bancel. 1,830,185; Nov. 3.
Condenser. G. F. Behringer. 1,799,080; Mar. 31.
Condenser. G. M. J. Blomqvist. 1,799,081; Mar. 31.
Condenser. E. L. Bowles. 1,831,092–3; Nov. 10.
Condenser. L. S. Chadwick. 1,816,956; Aug. 4.
Condenser. S. I. Cole. 1,832,098; Nov. 17.
Condenser. F. Conrad. 1,837,017; Dec. 15.
Condenser. F. N. Ducker. 1,788,499; Jan. 13.
Condenser. J. F. Grace. 1,796,708; Mar. 17.
Condenser. J. F. Grace. 1,812,591; June 30.
Condenser. J. F. Grace. 1,837,859–60; Dec. 22.
Condenser. H. C. Hayes. 1,826,540; Oct. 6.
Condenser. G. Hilger. 1,798,795; Mar. 31.
Condenser. R. M. Hyde. 1,794,692; Mar. 3.
Condenser. J. Kirgan. 1,831,454; Nov. 10.
Condenser. J. Kirgan. 1,832,637; Nov. 17.
Condenser. B. M. Leece. 1,801,203; Apr. 14.
Condenser. D. G. Little. 1,788,115; Jan. 6.
Condenser. C. E. Maier. 1,832,036; Nov. 17.
Condenser. D. W. R. Morgan. 1,814,840; July 14.
Condenser. R. E. Morrison. 1,839,046; Dec. 29.
Condenser. K. K. Palueff. 1,790,718; Feb. 3.
Condenser. J. H. Smith. 1,809,915; June 16.
Condenser. J. H. Smith. 1,810,375; June 16.
Condenser. J. H. Smith. 1,816,160; July 28.
Condenser. J. H. Smith. 1,827,827; Oct. 20.
Condenser. J. N. Vandegrift. 1,833,664; Nov. 24.
Condenser. N. C. Ward. 1,798,287; Mar. 31.
Condenser. G. H. White. 1,798,824; Mar. 31.
Condenser, Ammonia. J. H. Beckman. 1,821,287; Sept. 1.
Condenser and assembly thereof, Electrical. S. S. Cramer. 1,828,027; Oct. 20.
Condenser and making it, Electrical. W. H. Priess. 1,812,664; June 30.
Condenser and making same. P. B. Vallé. 1,811,067; June 23.
Condenser and manufacturing the same, Electrical. V. E. Rosen. 1,818,010; Aug. 11.
Condenser and operating the same. F. A. J. Fitzgerald and J. Kelleher. 1,810,557; June 16.
Condenser and process. W. H. Priess. 1,795,504; Mar. 10.
Condenser and rectifier. A. Lenning. 1,823,497; Sept. 15.
Condenser and removing impurities from the elements of or for such condensers, Electric. S. Boyer. 1,807,375; May 26.
Condenser and resistance unit, Combined. E. B. Nowosielski. 1,831,027; Nov. 10.
Condenser and spark arrester for locomotives, Smoke. J. M. Hill. 1,801,508; Apr. 21.
Condenser and the like, Surface. F. X. J. A. Delas. 1,796,510; Mar. 17.
Condenser bushing voltage control. P. Thomas. 1,810,063; June 16.
Condenser, By-pass. J. F. Kirgan. 1,833,611; Nov. 24.
Condenser, Cable type. E. D. Eby. 1,808,533; June 2.
Condenser-cleaning system. H. F. Schmidt. 1,795,348; Mar. 10.
Condenser construction. F. S. Smith. 1,836,195; Dec. 15.
Condenser control, Variable. M. H. Bennett. 1,809,371; June 9.
Condenser, Dampproof. W. Rüdiger. 1,827,112; Oct. 13.
Condenser, Electric. S. Boyer. 1,803,166; Apr. 28.
Condenser, Electric. E. Haefely. 1,794,289; Feb. 24.
Condenser, Electric. M. H. Reiher. 1,829,015; Oct. 27.
Condenser, Electric. G. Steerup. 1,817,108; Aug. 4.
Condenser, Electrical. R. H. Ahlers. 1,796,855; Mar. 17.
Condenser, Electrical. W. M. Bailey. 1,824,529–30; Sept. 22.
Condenser, Electrical. W. M. Bailey. 1,824,586–7; Sept. 22.
Condenser, Electrical. B. J. Butler. 1,805,075; May 12.
Condenser, Electrical. S. S. Cramer. 1,800,719; Apr. 14.
Condenser, Electrical. W. Dubilier. 1,816,640–1; July 28.
Condenser, Electrical. W. Dubilier. 1,821,055; Sept. 1.
Condenser, Electrical. W. Dubilier. 1,824,805–6; Sept. 29.
Condenser, Electrical. W. Dubilier. 1,829,891; Nov. 3.
Condenser, Electrical. W. Dubilier. 1,833,392; Nov. 24.
Condenser, Electrical. W. Duzilier. 1,836,707; Dec. 15.
Condenser, Electrical. J. A. Fried. 1,808,031; June 2.
Condenser, Electrical. P. E. Gilling. 1,827,939; Oct. 20.
Condenser, Electrical. A. Jayet. 1,812,241; June 30.
Condenser, Electrical. C. H. Kindl. 1,830,907; Nov. 10.
Condenser, Electrical. G. L. Lang. 1,818,069; Aug. 11.
Condenser, Electrical. I. London. 1,801,050; Apr. 14.
Condenser, Electrical. A. Nyman. 1,789,263; Jan. 13.
Condenser, Electrical. W. H. Priess. 1,824,569; Sept. 22.
Condenser, Electrical. J. A. Proctor and W. M. Bailey. 1,812,713; June 30.
Condenser, Electrical. C. E. Vawter. 1,817,657; Aug. 4.
Condenser, Electrolytic. J. Slepian. 1,795,900; Mar. 10.
Condenser, Electrolytic filter. E. W. Engle. 1,808,498; June 2.
Condenser for ignition circuits. J. Gale. 1,798,789; Mar. 31.
Condenser for refrigerating apparatus. C. C. Spreen. 1,825,760; Oct. 6.
Condenser for refrigerating systems. D. F. Newman. 1,821,765; Sept. 1.
Condenser for refrigerating systems. C. Steenstrup. 1,797,029; Mar. 17.
Condenser for refrigerating systems, Air cooled. K. H. Huyette. 1,821,754; Sept. 1.
Condenser for steam driven vehicles, Air cooled. R. Wagner. 1,803,156; Apr. 28.
Condenser for steam-propelled vehicles. D. M. White. 1,794,660; Mar. 3.
Condenser for steamships. H. F. Schmidt. 1,793,641; Feb. 24.
Condenser, Fused sectionalized. R. E. Marbury. 1,823,368; Sept. 15.
Condenser, Gang or multiple-unit variable electric. H. F. Reichenbach. 1,810,985; June 23.
Condenser, High potential. J. A. Proctor. 1,831,882; Nov. 17.
Condenser, High-tension. A. Palm. 1,797,878; Mar. 24.
Condenser, Ink fog. H. A. W. Wood. 1,837,006; Dec. 15.
Condenser manufacture. B. J. Butler. 1,805,651; May 19.
Condenser, Multiple. M. Jacobson. 1,823,860; Sept. 15.
Condenser, Multiple. R. C. Sprague. 1,795,411; Mar. 10.
Condenser, Oil-refinery. J. Price. 1,789,880; Jan. 20.
Condenser, Photoelectric cell light ray. C. W. Ebeling. 1,828,399; Oct. 20.
Condenser, Sounding. H. Vogt. 1,816,992; Aug. 4.
Condenser, Spelter furnace. M. C. Skinner. 1,837,138; Dec. 15.
Condenser, Surface. P. A. Bancel. 1,792,060; Feb. 10.
Condenser, Surface. A. J. Nott. 1,826,521; Oct. 6.
Condenser, Surface. C. A. Parsons and F. Arkless. 1,790,834; Feb. 3.
Condenser system for rail cars. G. W. Engstrom. 1,797,910; Mar. 24.
Condenser testing equipment. H. W. Houck. 1,823,492; Sept. 15.
Condenser transmitter apparatus. J. E. Jenkins and S. E. Adair. 1,790,505; Jan. 27.
Condenser tubes, Rubber slug for. W. F. Oberhuber. 1,803,126; Apr. 28.
Condenser unit for refrigerating apparatus. H. R. Loranger and D. D. Parshall. 1,802,659; Apr. 28.
Condenser, Vapor. H. L. Guy. 1,816,149; July 28.
Condenser, Variable. W. Aull, jr. 1,824,031; Sept. 22.
Condenser, Variable. H. F. Elliott. 1,836,583; Dec. 15.
Condenser, Variable. L. Shapiro. 1,819,692; Aug. 18.
Condenser, Variable. R. F. Sherfy. 1,824,629; Sept. 22.
Condenser, Vertical tubular. J. M. Seymour. 1,809,914; June 16.
Condenser, Zinc. H. A. Grine. 1,803,611; May 5.
Condensers and the like, Cleaning. H. T. Weis. 1,807,457; May 26.
Condensers, Apparatus for pressing. C. A. Purdy. 1,818,648; Aug. 11.
Condensers, Embedding electrical. W. M. Bailey. 1,837,142; Dec. 15.
Condensers, Method of and apparatus for manufacturing electrostatic E. E. Rosaire and D. Kerns. 1,789,451; Jan. 20.
Condensing and separating device. W. W. Holland. 1,792,164; Feb. 10.
Condensing and water-collecting device. C. W. Armbrust. 1,797,894; Mar. 24.
Condensing apparatus. R. P. Moore. 1,793,119; Feb. 17.
Condensing apparatus. O. C. Trautmann. 1,816,133; July 28.
Condensing plant of steamships. J. Sim. 1,796,056; Mar. 10.
Condensing system. J. Kirgan. 1,834,953; Dec. 8.
Condition indicator for low-water alarms. F. M. Roby. 1,793,869; Feb. 24.
Conditioning apparatus. T. W. W. Forrest. 1,795,302; Mar. 10.
Conducting bodies, Method of and apparatus for locating terrestrial. T. Zuschlag. 1,812,392; June 30.
Conductive bodies, Method and apparatus for locating. J. J. Jakosky. 1,792,910; Feb. 17.
Conductive bodies, Method and apparatus for locating unknown. J. J. Jakosky. 1,811,547; June 23.
Conductivity cell. L. Behr. 1,807,821; June 2.
Conductor. E. J. Schneider. 1,837,795; Dec. 22. 27.
Conductor and manufacturing same, Hollow. J. Zagorski. 1,802,302; Apr. 21.
Conductor, Armored. E. J. Schneider and M. B. Bradt. 1,799,765; Apr. 7.
Conductor clamp. F. H. Miller. 1,799,114; Mar. 31.
Conductor clamp. N. A. Wahlberg. 1,819,533; Aug. 18.
Conductor, Composite. W. G. Knox. 1,808,925; June 9.

Conductor device, Flat tubeless ionization. F. Hotchner. 1,825,399; Sept. 29.
Conductor, Electric. O. A. Frederickson. 1,828,772; Oct.
Conductor, Electric. H. C. Jennison. 1,810,079; June 16.
Conductor, Electric. C. F. Obermaier. 1,828,614; Oct. 20.
Conductor, Electrical. A. Byk, and H. Jordan. 1,792,273; Feb. 10.
Conductor, Electrical. C. A. Parsons, J. Rosen, and W. D. Horsley. 1,799.021; Mar. 31.
Conductor, Electrical. J. A. Shepard. 1,824,934; Sept. 29.
Conductor, Flexible. J. L. Alden. 1,804,732; May 12.
Conductor for heat exchange apparatus. E. B. Freeman. 1,821,702; Sept. 1.
Conductor for rectifying alternating current, Unilateral. H. G. Andre. 1,830,500–1; Nov. 3.
Conductor, High-tension. J. Zagorski. 1,794,269; Feb. 24.
Conductor hook. C. Zitko. 1,794,817; Mar. 3.
Conductor, Insulated. D. R. Brobst. 1,808,520; June 2.
Conductor, Insulated electrical. C. A. Barker. 1,809,011; June 9.
Conductor, Leading-in. W. L. Miller. 1,834,132; Dec. 1.
Conductor of electricity, Asymmetric. W. R. Jamison. 1,796,372; Mar. 17.
Conductor of high negative temperature coefficient. H. G. André. 1,829.553; Oct. 27.
Conductor of high negative temperature co-efficient, Variable. H. André. 1,820.591; Aug. 25.
Conductor-releasing clamp. N. Deisch. 1,789,671–2; Jan. 20.
Conductor splicing machine. A. W. Phelps and C. J. Keller. 1,836,497; Dec. 15.
Conductor strip and making the same, Multiple. L. Caruso. 1,794,831; Mar. 3.
Conductor, Submarine signaling. J. J. Gilbert. 1,832,455; Nov. 17.
Conductor system, Concentric. H. A. Affel and E. I. Green. 1,818,027; Aug. 11.
Conductor terminal. G. Bedard. 1,837,893; Dec. 22.
Conductor terminal. J. C. Bohan. 1,820,429; Aug. 25.
Conductor transmission system, Concentric. J. R. Carson and S. P. Mead. 1,817,964; Aug. 11.
Conductors, Apparatus for coating electrical. K. M. Watson. 1,822,385; Sept. 8.
Conductors, Apparatus for fault location on electrical. H. M. Friendly. 1,835.860; Dec. 8.
Conductors, Coating electrical. R. C. Hartsough. 1,822,484; Sept. 8.
Conductors, Connecting electrical. W. G. Kelley. 1,801,277; Apr. 21.
Conductors, Installing and distributing electric. A. H. Tashjian. 1,797,164; Mar. 17.
Conduit. L. M. Christie. 1,837,759; Dec. 22.
Conduit. L. F. Harza. 1,791,271; Feb. 3.
Conduit. J. Neuman. 1,799,436; Apr. 7.
Conduit. A. E. Stacey, jr. 1,825,103; Sept. 29.
Conduit. W. A. Wulle. 1,799,941; Apr. 7.
Conduit anchor for outlet boxes. F. A. Godfrey. 1,788,054; Jan. 6.
Conduit anchoring. W. L. McRae and F. F. Kregenow. 1,837,626; Dec. 22.
Conduit and connecting means therefor. E. Babb. 1,807,647; June 2.
Conduit and making the same, Flexible. E. James. 1,819,175; Aug. 18.
Conduit and making the same. R. A. Shipley. 1,835,245; Dec. 8.
Conduit and method of production. T. E. and J. B. Murray. 1,793,241; Feb. 17.
Conduit and molding, Combined. A. H. Tashjian. 1,809,223; June 9.
Conduit and pipe clamp. F. B. Thomson. 1,808,328; June 2.
Conduit and spacing element therefor, Multiple. H. Parker. 1,801,451; Apr. 21.
Conduit and spacing supports therefor, Multiple. H. Parker. 1,804,478; May 12.
Conduit assembly. J. F. Makowski. 1,805,990; May 19.
Conduit closure, Fluid. J. Voorhies, W. R. Miller, and D. W. Peoples. 1,830,817; Nov. 10.
Conduit coupling. D. L. Hunter. 1,830,276; Nov. 3.
Conduit coupling, Electric. J. W. McCoy. 1,827,249; Oct. 13.
Conduit coupling, Fluid. J. Voorhies, W. R. Miller, and D. W. Peoples. 1,832,435; Nov. 17.
Conduit box. J. P. Warner. 1,795,062; Mar. 3.
Conduit clamp. W. S. Mayer and W. T. Bradley. 1,797,214; Mar. 17.
Conduit, Closing in the ends of a. C. R. Sadler. 1,815,275; July 21.
Conduit, Corrugated. H. See. 1,806,920; May 26.
Conduit coupling. J. W. Lewin. 1,800,839; Apr. 14.
Conduit coupling. J. T. Pearson. 1,796,806; Mar. 17.
Conduit coupling. J. T. Pearson. 1,823,061; Sept. 15.
Conduit coupling collar. J. F. Makowski. 1,810,142; June 16.
Conduit coupling, Electrical. C. H. Hagstedt. 1,794,849; Mar. 3.
Conduit elbow, Adjustable electrical. C. E. Rutherford. 1,804,954; May 12.
Conduit, Electric-wiring. C. D. Ainsworth. 1,794,750; Mar. 3.
Conduit, Electrical. D. H. Murphy. 1,825,010; Sept. 29.
Conduit, Fiber. W. G. Johnson. 1,800,538; Apr. 14.
Conduit fitting. J. W. Cox. 1,818,943; Aug. 11.
Conduit fitting. G. R. Metcalf, jr., and F. J. Raybould. 1,814,480–1; July 14.
Conduit fitting. H. A. Selah. 1,794,988; Mar. 3.
Conduit fitting. H. A. Selah. 1,802,581; Apr. 28.
Conduit fitting. E. J. S. Swanson. 1,795,522; Mar. 10.
Conduit, fitting. E. J. S. Swanson. 1,796,061–4; Mar. 10.
Conduit fitting. E. J. S. Swanson. 1,796,129; Mar. 10.
Conduit fittings, Electrical. E. T. Hagist. 1,833,462; Nov. 24.
Conduit, Flexible. J. H. Brown. 1,808,204; June 2.
Conduit, Fluid pressure. H. S. Burnham. 1,838,740; Dec. 29.
Conduit for dust collecting systems. R. E. Caller. 1,804,147; May 5.
Conduit for electric wires. A. C. Comins. 1,794,102; Feb. 24.
Conduit for electric wires, Ornamental. R. C. Schemmel. 1,798,035; Mar. 24.
Conduit for laying electric cables. C. J. Beaver. 1,829,580; Oct. 27.
Conduit for projecting sand. O. Nagel and W. Kaempfer. 1,829,291; Oct. 27.
Conduit for steam and gas turbines, Supply. G. Bauer and C. Schmieske. 1,809,666; June 9.
Conduit for steam mains, Underground. M. C. Randall. 1,834,549; Dec. 1.
Conduit-forming mechanism. O. Molin and W. J. Molin. 1,788,200; Jan. 6.
Conduit ground connecter, Rigid. E. J. Noble. 1,816,608; July 28.
Conduit housing. J. G. Zolleis. 1,796,740; Mar. 17.
Conduit joint and making the same. B. C. Root. 1,824,838; Sept 29.
Conduit, Laying groups of multiple. H. Parker. 1,795.884; Mar. 10.
Conduit, Multiple. E. Burke. 1,799.674; Apr. 7.
Conduit, Multiple. E. Burke. 1,822,475; Sept. 8.
Conduit, Multiple. E. Burke and J. C. Sherman. 1,799,672–3; Apr. 7.
Conduit, Multiple. H. Parker. 1,798,167; Mar. 31.
Conduit, Multiple. H. Parker. 1,818.922; Aug. 11.
Conduit, Multiple. H. Parker. 1,821,234; Sept. 1.
Conduit outlets, Locating. G. L. Chamberlain, and G. H. Gneiss. 1,825,049; Sept. 29.
Conduit, Rubber. D. E. Harpfer. 1,838,056; Dec. 22.
Conduit securing device, Electric. F. G. Rohn. 1,828,876; Oct. 27.
Conduit securing means. J. H. Hunter. 1,818,625; Aug. 11.
Conduit sleeve. D. L. Hunter. 1,800,348; Apr. 14.
Conduit stopper. P. Goodman. 1,814,914; July 14.
Conduit structure for railway cars. W. H. Mussey and H. A. Hellman. 1,803,482; May 5.
Conduit system. J. Blizard. 1,827,727; Oct. 20.
Conduit system. J. H. Hunter. 1,827.086; Oct. 13.
Conduit systems, Wall box base for. J. M. G. Fullman and G. A. Lutz. 1,818,389; Aug. 11.
Conduit terminal. W. W. Sloane. 1,808,581; June 2.
Conduit terminal. W. W. Sloane. 1,829,764; Nov. 3.
Conduit, Underground. H. W. Jewell. 1,798,205; Mar. 31.
Conduiting system. I. D. Gindhart, jr. 1,801,149; Apr. 14.
Conduits and the like, Apparatus for cleaning out. J. C. Miller. 1,817,015; Aug. 4.
Conduits, Building. L. H. Gladwin and N. G. Bruce 1,809,802; June 9.
Conduits, Construction of sectional. H. A. Schnar. 1,813,771; July 7.
Conduits, Controlling apparatus for. H. A. Rösle. 1,814,857; July 14.
Conduits, Joining. B. C. Root. 1,809,313; June 9.
Conduits, Locating points of leaking in. G. C. Oxer. 1,825,280; Sept. 29.
Conduits, Making flexible. E. G. Kimmich. 1,797,193; Mar. 17.
Conduits, Unit for flexible. J. Sneed. 1,836,822; Dec. 15.
Cone-baking machines, Molding unit for. O. Hauge. 1,797,086; Mar. 17.
Cone crusher. E. B. Symons. 1,791.584; Feb. 10.
Cone disk, Yielding. A. H. Leipert. 1,808,358; June 2.
Cone, Ice-cream. D. Gerber. 1,787,899; Jan. 6.
Cones and the like, Device for and method of making fibrous. A. Newcombe. 1,819,300; Aug. 18.
Confection. F. E. Blanchard. 1,802,698; Apr. 28.
Confection. C. A. Isberg. Des. 83,613; Mar. 10.
Confection. L. B. Krick. Des. 85.189; Sept. 22.
Confection coating and decorating machine. A. L. Bausman. 1,813,655; July 7.
Confection coating machine. F. W. Greer. 1,826,405; Oct. 20.
Confection conveying machine. F. W. Greer. 1,807,338; May 26.
Confection forming machine. P. Sisco. 1,824,796; Sept. 29.
Confection, Frozen. M. Baker. 1,802,306; Apr. 21.
Confection making machine. A. L. Bausman. 1,826,980; Oct. 13.
Confection mold. E. L. Fox. 1,833,896; Dec. 1.
Confectionery article. A. C. Friedlund. Des. 84,409; June 16.
Confections. W. B. Laskey. 1,817,383; Aug. 4.

Confections, Apparatus for making. E. C. Becht. 1,801,992; Apr. 21.
Confections, Apparatus for making. P. C. Laureys. 1,796,934; Mar. 17.
Confections, Method of and machine for producing. W. B. Laskey. 1,817,383; Aug. 4.
Confessional, Portable. J. M. Lyons. 1,789,010; Jan. 13.
Confessional slides, Electrically-operating. G. Ungerlieder, F. T. Kenney, and J. A. Barron. 1,798,819; Mar. 31.
Configurations on metallic surfaces, Method and apparatus for producing raised. W. T. Newton. 1,837,629; Dec. 22.
Congelation, Apparatus for and process of. J. E. W. Reeh. Re18,124; July 7.
Connecter. G. Carlson. 1,795,196; Mar. 3.
Connecter. L. A. Goelz. 1,834,150; Dec. 1.
Connecter. W. McKee. 1,820,984; Sept. 1.
Connecter. G. R. Metcalf, jr. 1,793,113; Feb. 17.
Connecter. G. R. Metcalf, jr. 1,814,479; July 14.
Connecter. G. R. Metcalf, jr. 1,819,650–2; Aug. 18.
Connecter. G. R. Metcalf, jr. 1,819,654; Aug. 18.
Connecter. J. W. Page. 1,836,867; Dec. 15.
Connecter. J. F. Schmidt, L. F. Erhart, and O. E. Wright. 1,806,267; May 19.
Connecter. T. B. Tiefenbacher. 1,794,931; Mar. 3.
Connecter. H. F. Wilhelm. 1,833,145; Nov. 24.
Connecter, Adapter. C. E. Williams. 1,796,353; Mar. 17.
Connecter, Adjustable. E. G. K. Anderson. 1,788,366; Jan. 13.
Connecter and support, Universal. H. L. Liberty. 1,801,632; Apr. 21.
Connecter and the like, Terminal. D. E. Barnett. 1,822,192; Sept. 8.
Connecter, Automatic air and steam hose. J. Robinson. 1,826,288; Oct. 6.
Connecter, Automatic train pipe. J. Robinson. 1,819,386–7; Aug. 18.
Connecter, Automatic train pipe. J. Robinson. 1,826,954; Oct. 13.
Connecter, Auxiliary sash. M. Martinson. 1,787,540; Jan. 6.
Connecter, Battery terminal. J. E. Farrell, jr. 1,788,089; Jan. 6.
Connecter between a conduit or cable and an outlet box. E. G. K. Anderson. 1,794,505; Mar. 3.
Connecter bolt. A. Moulton. 1,807,127; May 26.
Connecter, Bus bar. W. Wurdack, jr. 1,820,640; Aug. 25.
Connecter, Cable. L. H. Church. 1,787,667–8; Jan. 6.
Connecter, Cable. J. C. Ledbetter. 1,787,669; Jan. 6.
Connecter, Coil spring. L. W. Lodge. 1,834,789; Dec. 1.
Connecter, Electric. L. E. Baltzley. 1,796,742; Mar. 17.
Connecter, Electric. J. O. Cadieux. 1,838,051; Dec. 22.
Connecter, Electric. F. C. Kollath. Re18,193; Sept. 15.
Connecter, Electric. P. S. Westcott. 1,816,063; July 28.
Connecter, Electric conduit. T. F. Sovine. 1,821,362; Sept. 1.
Connecter, Electric-wire. L. D. Stewart. 1,789,502; Jan. 20.
Connecter, Electrical. C. A. Bay. 1,823,677; Sept. 15.
Connecter, Electrical. G. P. Edmonds. 1,801,269; Apr. 21.
Connecter fitting. G. R. Metcalf, jr. 1,814,478; July 14.
Connecter fitting. G. R. Metcalf, jr. 1,819,653; Aug. 18.
Connecter, Flexible. H. D. Geyer. 1,828,402; Oct. 20.
Connecter for brushes, mops and the like. M. Redlinger 1,838,867; Dec. 29.
Connecter for bulbous terminals. J. O. Cadieux. 1,789,935; Jan. 20.
Connecter for electrical conduit systems. J. M. G. Fullman. 1,831,856; Nov. 17.
Connecter for hydrostatic conduits. E. L. Beecher. 1,815,020; July 14.
Connecter for multipiece rails. C. Drake. 1,835,640; Dec. 8.
Connecter for ventilating racks or trays. E. A. Downey. 1,787,515; Jan. 6.
Connecter, Ground. J. T. Potter. 1,821,575; Sept. 1.
Connecter, Hanging fixture. J. Mangin. 1,823,619; Sept. 15.
Connecter, Heater. G. B. Benander. 1,832,685; Nov. 17.
Connecter, Insulator. N. A. Wahlberg. 1,794,934; Mar. 3.
Connecter or cable clamp, Wire. S. M. Bayus. 1,811,704; June 23.
Connecter, Outlet box. J. M. G. Fullman. 1,809,840; June 16.
Connecter, Resilient. H. D. Geyer. 1,820,133; Aug. 25.
Connecter, Resilient. C. R. Short. 1,794,926; Mar. 3.
Connecter, Separable. T. E. Herlihy. Re18,288; Dec. 15.
Connecter switch. A. J. Ray, C. E. Lomax, and L. L. Ruggles. 1,799,532; Apr. 7.
Connecter switch, Repeating. R. and T. A. Tilden. 1,815,223; July 21.
Connecter, Threadless. J. T. Pearson. 1,809,064; June 9.
Connecter to motors, Flexible air. W. H. Smith. 1,795,266; Mar. 3.
Connecter, Watch-bracelet. C. A. Mealy. 1,798,619; Mar. 31.
Connecting cord and producing it, Electrical. H. R. Massingham. 1,819,612; Aug. 18.
Connecting device. G. W. Burchett. 1,835,757; Dec. 8.
Connecting device for chains. J. R. Reyburn. 1,816,230; July 28.
Connecting device for use with stranded metal cables. J. W. Astley. 1,824,005; Sept. 22.
Connecting elements, Apparatus for removing. J. McDonough and L. Normann. 1,826,808; Oct. 13.
Connecting means for chains. F. G. Hodell. 1,824,546; Sept. 22.
Connecting means for eccentric arms. C. W. Deffenbaugh. 1,816,364; July 28.
Connecting means for electric conductors. H. P, Ober. 1,824,167; Sept. 22.
Connecting means for motor vehicles, Cushioned. R. A. Weinhardt. 1,830,149; Nov. 3.
Connecting means, Section-. L. Zolla. 1,795,589; Mar. 10.
Connecting pin. A. E. Freeman. 1,797,337; Mar. 24.
Connecting plate. L. M. Endres. 1,796,013; Mar. 10.
Connecting plate. H. E. Wendell. 1,791,337; Feb. 3.
Connecting rod for locomotives. J. G. Blunt. 1,807,373; May 26.
Connecting rod for radial engines. P. P. Newcomb. 1,827,436; Oct. 13.
Connecting rod structure. L. J. McKone. 1,819,784; Aug. 18.
Connection, Beam. M. G. Hyde and G. R. Magney. 1,791,897; Feb. 10.
Connection between gyroscope or other sensitive element and its follower. J. B. Henderson. 1,797,913; Mar. 24.
Connection between headwall and drain pipe, Universal. M. L. Sullivan. 1,832,333; Nov. 17.
Connection between the longitudinal and transverse bracing members in hollow bodies for aircraft. W. Messerschmitt. 1,802,438; Apr. 28.
Connection block. H. J. Blakeslee. 1,836,951; Dec. 15.
Connection, Box-lifter-rod. W. E. Lundgren. 1,793,183; Feb. 17.
Connection, Brake operating. R. S. Sanford. 1,825,680; Oct. 6.
Connection, Conveyor-trough driving. J. W. Wilson. 1,800,489; Apr. 14.
Connection device for wrist watches. B. Ogush. 1,808,474; June 2.
Connection, Drawbar. E. B. Staley. 1,819,393; Aug. 18.
Connection, Electric swivel. C. F. Lederle. 1,824,604; Sept. 22.
Connection, Electrical swivel. A. A. M. Nielsen. 1,800,698; Apr. 14.
Connection, Flexible. J. F. Cooper and H. D. Cameron. 1,800,178; Apr. 7.
Connection for antiskid devices, Tread member. F. G. Hodell. 1,824,545; Sept. 22.
Connection for a plurality of lines, Multiple way. D. K. Gannett. 1,832,977; Nov. 24.
Connection for articulated locomotives, Steam-pipe. R. J. Offutt. 1,833,299; Nov. 24.
Connection for battery terminals or the like. F. Sparrow. 1,838,024; Dec. 22.
Connection for building frames, Metal. Van R. P. Saxe. 1,824,631; Sept. 22.
Connection for card condensers, Eccentric. J. A. Minshull. 1,796,040; Mar. 10.
Connection for connecting angular members together. G. E. Kohler. 1,792,100; Feb. 10.
Connection for connecting piston rods to a main rod of engines. H. M. Tower. 1,820,638; Aug. 25.
Connection for couplers, Slide. J. W. Lewin. 1,800,840; Apr. 14.
Connection for electric cables, Swivel. C. G. Baker. 1,837,890; Dec. 22.
Connection for flexible wrist watch bands, Terminal snap and loop. J. Kreisler. 1,819,781; Aug. 18.
Connection for frames, Corner. I. A. Baum. 1,795,326; Mar. 10.
Connection for loom electrical weft detectors. R. G. Turner. 1,834,358; Dec. 1.
Connection for metal frames, Corner. I. A. Baum. 1,808,336; June 2.
Connection for pipes, tubes, bars, and the like. J. A. McGeorge. 1,829,101; Oct. 27.
Connection for piston rods, Universal. J. R. Butler. 1,807,382; May 26.
Connection for power presses, Adjustable. H. J. Hinde. 1,796,844; Mar. 17.
Connection for power transmission, Safety. C. E. Nelson. 1,796,803; Mar. 17.
Connection for rectifiers, Balance transformer. E. B. Shand. 1,823,917; Sept. 22.
Connection for shackle bolts, Automatically adjustable. F. F. James. 1,819,176; Aug. 18.
Connection for steering gear members, Adjustable. A. B. Sanders. 1,828,707; Oct. 20.
Connection for telegraph plants. W. Kruse. 1,817,989; Aug. 11.
Connection for universal joints or couplings. E. E. Culbertson. 1,809,404; June 9.
Connection, Hose. N. Hubbard. 1,819,243; Aug. 18.
Connection, Hospital plug. V. Durbin. 1,793,846; Feb. 24.
Connection, Insulated driving. W. E. Krotee. 1,817,517; Aug. 4.
Connection, Insulator. D. H. Osborne. 1,819,380; Aug. 18.
Connection, Locking thread. G. P. Proctor. 1,807,494; May 26.
Connection, Nonmetallic. C. Saurer. 1,818,758; Aug. 11.
Connection, Pitman. C. F. Hover. 1,797,087; Mar. 17.
Connection, Pivotal. H. C. Harris. 1,829,720; Oct. 27.

Connection, Resistor and terminal. A. J. Hanson. 1,819,554; Aug. 18.
Connection, Splined. R. Chilton. 1,803,995; May 5.
Connection, Spring end. J. W. Smith. 1,789,277–8; Jan. 13.
Connection, Switch throw-rod. T. G. Stiles. 1,795,413; Mar. 10.
Connection, Trunnion. J. P. Ratigan. 1,818,161; Aug. 11.
Connection, Tube. J. P. Roger. 1,819,202; Aug. 18.
Connection, Universal. L. Y. Randall. 1,829,964; Nov. 3.
Connection with coupling-up or isolating switch gear. G. E. Whitehead. 1,794,267; Feb. 24.
Consistency controlling device. S. E. Meyers. 1,825,155; Sept. 29.
Consistency regulator. M. O. Schur. 1,838,710; Dec. 29.
Consistency responsive device. S. E. Meyers. 1,810,111; June 16.
Construction, Apparatus for. T. J. Fleming. 1,832,696; Nov. 17.
Construction block. J. Fusco, J. Lascari, and F. Marrone. 1,789,099; Jan. 13.
Construction material. G. C. Douglas. 1,804,753; May 12.
Construction material. A. C. Fischer. 1,793,439; Feb. 17.
Construction material. A. C. Fischer. 1,800,194; Apr. 7.
Construction material. A. C. Fischer. 1,820,217; Aug. 25.
Construction, Method of. O. A. Pedersen. 1,828,907; Oct. 27.
Construction unit. H. E. Barker and A. F. Baum. 1,829,331; Oct. 27.
Construction unit. E. H. Tashjian. 1,804,132; May 5.
Constructional material. A. C. Fischer. 1,789,284–7; Jan. 13.
Constructional material. A. C. Fischer. 1,814,139; July 14.
Constructional material and making the same. D. Finley. 1,802,008; Apr. 21.
Constructional material comprising rail filler functioning as an expansion joint. A. C. Fischer. 1,808,302; June 2.
Constructional material, Producing. A. C. Fischer. 1,839,181; Dec. 29.
Contact adjuster. A. L. Ulmer. 1,795,240; Mar. 3.
Contact apparatus. Gas and liquid. C. M. Alexander. 1,796,135; Mar. 10.
Contact apparatus, Gas and liquid. F. H. Wagner. 1,798,822; Mar. 31.
Contact bank, Selector. D. L. Lienzen. 1,789,147; Jan. 13.
Contact bar for electrical warp stop-motions. O. V. Payne. 1,817,165; Aug. 4.
Contact breaker, Electric. A. P. Young and L. Griffiths. 1,839,075; Dec. 29.
Contact breaker, Electrical. W. Dorn. 1,791,888; Feb. 10.
Contact, Detachable. E. F. Goetz. 1,839,095; Dec. 29.
Contact device for electric circuit breakers. W. H. Petersen. 1,806,117; May 19.
Contact element, Electrical. W. A. Knoop. 1,835,788; Dec. 8.
Contact finger. H. R. Cornfield. 1,831,843; Nov. 17.
Contact for electric circuit. L. F. Muther. 1,806,815; May 26.
Contact maker and breaker. A. N. Van Nostrand. 1,802,487; Apr. 28.
Contact making and breaking device, Electric. F. G. Creed and A. Orling. 1,797,718; Mar. 24.
Contact material for catalytic cracking and like operations. A. Joseph. 1,837,971; Dec. 22.
Contact means for battery energized devices. H. W. Jones and F. S. Miley. 1,823,105; Sept. 15.
Contact member for electric switches, Movable. T. E Kearns. 1,837,163; Dec. 15.
Contact member for oil immersed circuit interrupters. S. T. Schofield. 1,831,844; Nov. 17.
Contact members for electric switches. Magnetically engaged. T. T. Greenwood. 1,827,940; Oct. 20.
Contact pin, Capped. W. J. Gagnon. 1,830,695; Nov. 3.
Contact rectifier plate, Dry. W. T. Anderson, jr., and L. F Bird. 1,838,068; Dec. 22.
Contact staff for cranes. C. T. Woodburn. 1,819,010; Aug. 18.
Contact structure. H. J. H. Huber. 1,814,807; July 14.
Contact structure. Electrical. A. M. Poniatoff 1,833,757; Nov. 24.
Contact structure for electric switches. T. T. Greenwood. 1,798,375; Mar. 31.
Contact structure for electric switches. G. E. Jansson. 1,802,346; Apr. 28.
Contact structure, Switch-. W. K. Rankin. 1,796,217; Mar. 10.
Contact switch, Brush. H. F. Holkenbrink. 1,813,239; July 7.
Contact switch, High-pressure. H. J. Crabbs and A. Croft. 1,792,282; Feb. 10.
Contact terminal for vacuum tubes. M. Alden. 1,797,184; Mar. 17.
Contacts, Forming. H. O. Siegmund. 1,792,552; Feb. 17.
Contacts provided with condensers, Circuit breaking. A. Ytterberg. 1,812,312; June 30.
Contactor. E. R. Carichoff. 1,833,736; Nov. 24.
Contactor, Alarm circuit. O. A. Jacobson. 1,832,905; Nov. 24.
Container. C. A. Anthony. 1,790,647; Feb. 3.
Container. M. T. Ashe. 1,807,233; May 26.
Container. L. A. Becker and J. M. Munson. 1,834,570; Dec. 1.
Container. D. Bloom. 1,824,762; Sept. 29.
Container. D. Bloom. 1,836,220; Dec. 15.
Container. H. C. Boardman. 1,809,013; June 9.
Container. P. C. P. Booty. 1,816,141; July 28.
Container. A. H. Borden. 1,804,085; May 5.
Container. W. C. Broadwell. 1,814,785; July 14.
Container. A. E. Bruns. 1,818,605; Aug. 11.
Container. J. H. Buswell. 1,792,572; Feb. 17.
Container. S. E. Butler. 1,811,074; June 23.
Container. H. E. Cooley. 1,800,816; Apr. 14.
Container. J. F. Coyle. 1,819,279; Aug. 18.
Container. E. Dalton. 1,821,741; Sept. 1.
Container. L. A. Danco. 1,817,128; Aug. 4.
Container. C. S. Daugherty. 1,806,149; May 19.
Container. H. C. Deane. 1,798,071; Mar. 24.
Container. A. Edmunds. 1,807,589; June 2.
Container. H. A. Eggerss. 1,824,986; Sept. 29.
Container. N. S. Ellsworth. Des. 85,863; Dec. 29.
Container. R. Feib. 1,830,990; Nov. 10.
Container. C. P. Gallistel. 1,808,922; June 9.
Container. W. J. Geimer. 1,833,675; Nov. 24.
Container. J. George. 1,802,173; Apr. 21.
Container. H. W. Goosman. 1,838,390; Dec. 29.
Container. J. E. Grimes. 1,818,707; Aug. 11.
Container. J. E. Gunter. 1,800,791; Apr. 14.
Container. S. Hansson. 1,807,912; June 2.
Container. N. S. Hillyard. 1,802,509; Apr. 28.
Container. J. M. Hothersall. 1,818,135; Aug. 11.
Container. J. M. Hothersall. 1,823,046; Sept. 15.
Container. H. A. Inman. 1,805,870; May 19.
Container. P. J. Knorpp. 1,838,411; Dec. 29.
Container. H. G. Kuck. 1,825,670; Oct. 6.
Container. L. Lechner. 1,807,417; May 26.
Container. H. B. Lermer. 1,824,907; Sept. 29.
Container. W. S. Lindsey. 1,835,884; Dec. 8.
Container. S. B. E. McVay and A. M. D. Martin. 1,791,367; Feb. 3.
Container. S. B. E. McVay and A. M. D. Martin. 1,791,422; Feb. 3.
Container. W. Mineck. 1,804,539; May 12.
Container. L. J. Most and R. W. Wilson. 1,824,029; Sept. 22.
Container. W. B. Powell and V. G. Williams. 1,833,974; Dec. 1.
Container. W. R. Respess. 1,815,800; July 21.
Container. H. Schwartz. 1,810,626; June 16.
Container. E. Scofield. 1,810,734; June 16.
Container. L. J. Stern. 1,793,526; Feb. 24.
Container. W. J. Strothoff. 1,1,836,780; Dec. 15.
Container. F. C. Truesbury. 1,806,320; May 19.
Container. A. M. F. Venago. 1,830,144; Nov. 3.
Container. H. B. Walter. 1,816,706; July 28.
Container. J. Whiting. 1,819,804; Aug. 18.
Container. L. Wittbold. 1,789,994; Jan. 27.
Container and bottle opener, Combination. C. E. Tapp. 1,810,630; June 16.
Container and closure therefor, Food. C. S. Baron. 1,836,521; Dec. 15.
Container and closure therefor. Wire-edged. J. M. Hothersall. 1,795,489; Mar. 10.
Container and dispenser, Coin. M. Alland. 1,823,227; Sept. 15.
Container and dispenser, Toothpick. U. Puyuelo. 1,832,735; Nov. 17.
Container and distributor for pulverulent substances, more particularly applicable for face powder. J. B. Salarnier. 1,830,294; Nov. 3.
Container and holder, Match box. G. A. Anderson. 1,803,989; May 5.
Container and lid. L. A. Brigel. 1,793,048; Feb. 17.
Container and match guard, Combination cigarette. A. Metje. 1,807,299; May 26.
Container and material therefor. M. T. Harvey. 1,838,073–4; Dec. 22.
Container and packing system for polishing cloths. A. Resnati. 1,819,122; Aug. 18.
Container and partition therefor, Partitioned display. E. O. Tinsley. 1,799,656; Apr. 7.
Container and protective pad, Combined. G. Grossen. 1,833,419; Nov. 24.
Container and retriever, Golf tee. R. S. Smith. 1,823,992; Sept. 22.
Container and sealing means therefor. R. L. Parish. 1,799,244; Apr. 7.
Container and the like, Display. F. B. Putt. 1,833,304; Nov. 24.
Container and vacuumizing the same. J. H. O'Neil. 1,820,481; Aug. 25.
Container, Annealing. H. C. Cappel and O. C. Gross. 1,796,082; Mar. 10.
Container, Anode. T. G. Melish. 1,792,998; Feb. 17.
Container, Automatic folding. J. Appelbaum. 1,814,816; July 14.
Container, Battery. E. Lyndon. 1,796,034; Mar. 10.
Container, Canned goods. F. Watson. 1,811,340; June 23.
Container cap. J. P. Burke. Des. 85,512; Nov. 10.
Container cap. E. C. Hawley. Des. 84,986; Sept. 1.
Container cap lining machine, Automatic. T. Jensen. 1,809,341; June 9.
Container, Cellophane. E. Zupnik. Des. 85,410; Oct. 20.
Container, Cheese. H. E. Cooley. 1,808,530; June 2.
Container, Cigar. W. E. Lillenfield. 1,791,417; Feb. 3.

Container, Cigarette. W. E. Molins. 1,824,491; Sept. 22.
Container, Cigarette and match. M. Behr. 1,829,628; Oct. 27.
Container, Cigarette dispensing and lighting. A. Kappenberg. 1,823,609; Sept. 15.
Container closing machine. A. J. Chamberlain. 1,812,584; June 30.
Container closure. J. M. Hothersall. 1,802,898; Apr. 28.
Container closure. J. M. Hothersall. 1,820,192; Aug. 25.
Container closure. A. E. Smith. 1,825,553; Sept. 29.
Container closure. G. C. Snyder. 1,837,376; Dec. 22.
Container closure and opening device. C. Stollberg. 1,811,983; June 30.
Container closures, Making. J. M. Hothersall. 1,821,157; Sept. 1.
Container, Coin. C. L. Mumaugh. 1,793,001; Feb. 17.
Container, Collapsible. F. L. McGary. 1,839,111; Dec. 29.
Container, Collapsible carrying. E. O. Tinsley. 1,799,657; Apr. 7.
Container, Collapsible display. E. O. Tinsley. 1,787,499; Jan. 6.
Container, Combination certificate and log-book. A. L. Danielson. 1,798,401; Mar. 31.
Container, Combined cigarette and match. A. W. Kehler. Des. 85,186; Sept. 22.
Container, Compact. A. G. Shields. 1,793,255; Feb. 17.
Container, Composite cosmetic. J. K. Rogers. 1,831,885; Nov. 17.
Container, Condiment. C. A. Eltag. 1,799,584; Apr. 7.
Container, Condiment. D. O. Ford. 1,835,858; Dec. 8.
Container construction. C. I. Hummer. 1,827,393; Oct. 13.
Container construction. W. W. Robinson. 1,828,088; Oct. 20.
Container, Cosmetic. E. H. Koehler. 1,810,249; June 16.
Container, Cosmetic. J. Leshin. 1,790,586; Jan. 27.
Container, Cosmetic. A. Moodie. 1,813,121; July 7.
Container, Cosmetic powder. J. L. Younghusband. 1,805,860; May 19.
Container, Cup. A. J. Gallagher. 1,807,400; May 26.
Container, Decorated transparent. J. Pevsner. 1,824,229; Sept. 22.
Container, Dental foil. L. W. Dunham. 1,827,077; Oct. 13.
Container, Dispensing. W. P. Reed. 1,823,572; Sept. 15.
Container, Display. R. J. Hutt. 1,790,048; Jan. 27.
Container, Display. W. B. Leavens. 1,813,938; July 14.
Container, Display. H. N. Rasch. 1,789,773; Jan. 20.
Container, Display. E. B. Whitehead. 1,825,619; Sept. 29.
Container, Display and shipping. J. H. Clark. 1,806,334; May 19.
Container, Display and shipping. J. H. Clark. 1,813,146; July 7.
Container, dose cup, and stopper combined, Medicine. C. J. I. Devlin. 1,796,190; Mar. 10.
Container, Drop-bottom. L. M. Showers, jr. 1,809,640; June 9.
Container, Easy opening. F. J. O'Brien. 1,811,147; June 23.
Container, Edible. J. Denaro. Des. 85,326; Oct. 13.
Container, Edible. E. M. Story. 1,813,099; July 7.
Container, Edible ice cream. G. T. Parr. 1,835,719; Dec. 8.
Container, Electrically-heated. H. O. Swoboda and W. F. Metzger. 1,787,801; Jan. 6.
Container, Electrically operated key. W. H. Loyte. 1,817,752; Aug. 4.
Container, Fire-extinguisher. L. J. Dugas. 1,790,231; Jan. 27.
Container, Flower bulb. T. P. Jackson. 1,826,547; Oct. 6.
Container, Fluid. H. J. Kerr. 1,790,478; Jan. 27.
Container, Folding tilt display. W. S. Carter. 1,805,077; May 12.
Container, Food. E. F. Kohman. 1,837,051; Dec. 15.
Container for aircraft, Gas. V. Kopikowski. 1,806,470; May 19.
Container for bottles, Composite. G. R. Wyman. 1,834,668; Dec. 1.
Container for bulk ice cream and other products, Sheet material. W. L. Wright. 1,808,975; June 9.
Container for cigarettes and the like. E. F. M. Décobert. 1,809,746; June 9.
Container for clinical thermometers, Sterile. Z. R. Everett and K. F. V. Nygaard. 1,816,425; July 28.
Container for compressed gases and liquids. C. W. Johnston. 1,795,560; Mar. 10.
Container for construction toys and like sets. A. C. Gilbert. 1,804,927; May 12.
Container for cosmetics. L. A. Danco. 1,814,080; July 14.
Container for cube sugar with delivery devices. A. Racusin and J. Spira. 1,834,641; Dec. 1.
Container for dental furnaces, Material. O. A. Colby. 1,823,968; Sept. 22.
Container for fire extinguishing apparatus. E. D. Phinney. 1,816,342; July 28.
Container for food products. A. E. Stevenson. 1,811,160; June 23.
Container for fragile articles, Packing. L. Mann. 1,809,559; June 9.
Container for garbage receptacles, Insert. F. Vienna. 1,836,297; Dec. 15.
Container for gases and volatile liquids. C. L. Day and L. McDonald. 1,814,130; July 14.
Container for gases or liquids under high pressure. A. Beldimano. 1,817,226; Aug. 4.
Container for gasoline. S. L. Willis. 1,837,640; Dec. 22.
Container for ice cream cabinets, Sharp freezing. L. G. Copeman. 1,807,587; June 2.
Container for individual batteries, Shipping. P. F. Boeye. 1,837,012; Dec. 15.
Container for insecticides, etc. M. T. Newman. 1,804,891; May 12.
Container for light operated switches, Glass. R. W. Armstrong and I. E. McCabe. 1,805,966; May 19.
Container for liquids or article of similar nature. P. Santurello. Des. 84,550; June 30.
Container for merchandise. A. J. Tanner. 1,822,512; Sept. 8.
Container for molding and cooking hams. W. Bellinghausen. 1,833,628; Dec. 8.
Container for molten glass, Electrically heated. K. E. Peiler. 1,807,071; May 26.
Container for napkins, Sanitary. A. Groff. 1,792,087; Feb. 10.
Container for packing and shipping fresh fruit. C. J. Horn. 1,809,702; June 9.
Container for packing glass capsules such as are used for holding medicinal substances. P. Menten. 1,803,028; Apr. 28.
Container for paper clips. H. H. Ellis. 1,835,937; Dec. 8.
Container for paper in rolls. J. V. Duffin. 1,827,000; Oct. 13.
Container for paste tubes. C. A. Maher. 1,823,206; Sept. 15.
Container for sinks, Swinging. F. G. Brotz. 1,830,781; Nov. 10.
Container for spraddled fowl. C. C. Terwilliger. 1,795,186; Mar. 3.
Container for storing gramophone records. H. J. Carlisle. 1,815,830; July 21.
Container for the shipment of fractional car lots. F. K. Fildes. 1,811,313; June 23.
Container for toilet accessories. G. Flintermann. Des. 84,981; Sept. 1.
Container for toilet powder. M. Michelin. 1,823,861; Sept. 15.
Container for toilet requisites and other small articles, Portable. D. N. Montgomery. 1,794,118; Feb. 24.
Container for use in packing and handling merchandise. F. W. Marsh. 1,831,920; Nov. 17.
Container, Forming a display packer's. W. B. Smith. 1,804,284; May 5.
Container, Freezing. H. D. Geyer. 1,820,134; Aug. 25.
Container, Garbage. E. L. Ross. 1,831,687; Nov. 10.
Container, Garbage-can. M. Scharf. 1,791,766; Feb. 10.
Container, Gelatin-composition. B. C. Goss. 1,792,010; Feb. 10.
Container, Golf ball. E. N. McClure. 1,810,491; June 16.
Container-handling system. C. D. Young. 1,792,055; Feb. 10.
Container handling system. C. D. Young. 1,823,384; Sept. 15.
Container handling system and apparatus. C. D. Young. 1,809,540; June 9.
Container having swivel casters. D. W. Perin. 1,804,541; May 12.
Container, Hollow metal. S. B. N. Hill. 1,798,535; Mar. 31.
Container, Ice-cream. J. L. Balton. Des. 84,452; June 23.
Container, Ice-cream. C. L. Murphy. 1,790,068; Jan. 27.
Container, Ice-cream and confectionery. W. S. Forrest. 1,800,990; Apr. 14.
Container in expansion coils, Accumulator. J. G. Peck. 1,789,389; Jan. 20.
Container, Key. W. E. Edwards. 1,837,151; Dec. 15.
Container, Lady's portable slipper. F. L. Roe. Des. 84,053; Apr. 28.
Container, Liquid. M. D. Cochran. 1,811,493; June 23.
Container, Liquid. F. M. Dietz. 1,825,856; Oct. 6.
Container, Liquid. K. Tsuchiya. Re18,215; Sept. 29.
Container, Liquid dispensing. L. C. Austin. 1,834,672; Dec. 1.
Container, Malted milk. A. Coors. Des. 85,367; Oct. 20.
Container, Mechanical collecting. W. Polgar. 1,795,966; Mar. 10.
Container, Medicament. R. B. Waite. 1,814,650; July 14.
Container, Metal. C. J. Aulbach. 1,811,106; June 23.
Container, Metallic. W. C. Heath. 1,790,919; Feb. 3.
Container, Milk. H. R. Williams. 1,820,549; Aug. 25.
Container, Mold. J. F. Hines. 1,790,921; Feb. 3.
Container, Multiple trip. L. Burgess. 1,835,461; Dec. 8.
Container, Non-refillable. C. H. Rollason. 1,817,709; Aug. 4.
Container, Nonsubstituting. H. B. Lloyd. 1,793,811; Feb. 24
Container or receptacle, Sanitary paper. F. G. Culp. 1,833,207; Nov. 24.
Container or similar article, Powder. F. E. Wakefield. Des. 85,216; Sept. 22.
Container or the like. J. A. Harps. 1,829,003; Oct. 27.
Container, Packaging. R. Shaffer. 1,795,049; Mar. 3.
Container, Packing. H. Knörer. 1,838,556; Dec. 29.
Container, Packing and display. A. J. Tanner. 1,817,045; Aug. 4.
Container, Paper pulp. M. Gentile. 1,804,555; May 12.
Container, Powder. M. M. Michelin. 1,834,413; Dec. 1. 1,833,207; Nov. 24.

Container, Record card. F. M. Carroll and J. S. Eaton. 1,826,991; Oct. 13.
Container, Reenforced gas. C. Dumat. 1,801,910; Apr. 21.
Container, Sanitary. G. E. West. 1,826,193; Oct. 6.
Container, Sanitary diaper. E. Paul. 1,795,376; Mar. 10.
Container seal, Replaceable. J. E. Sharp. 1,796,728; Mar. 17.
Container, Sealable. M. Hytken. 1,804,343; May 5.
Container, Sectional carload. G. C. Woodruff. 1,820,105; Aug. 25.
Container, Sharp freezing. L. G. Copeman. 1,817,544–5; Aug. 4.
Container, Sheet metal. F. K. Fildes. 1,802,417; Apr. 28.
Container, Sheet metal. J. E. Fitzgerald. 1,826,609; Oct. 6.
Container, Sheet metal. V. Odquist. 1,831,133; Nov. 10.
Container, Shipping. F. E. Barber. 1,837,249; Dec. 22.
Container, Shipping. T. R. Brown. 1,803,544; May 5.
Container, Shipping. C. J. Gates, jr. 1,833,605; Nov. 24.
Container, Shipping. W. B. Gibb and F. B. Martin. 1,808,651; June 2.
Container, Shipping. H. B. Walter. 1,830,495; Nov. 3.
Container, Shipping. J. G. Witte. 1,809,953; June 16.
Container, Shipping and display. M. M. Einson. 1,804,826; May 12.
Container, Shipping and display. M. M. Einson. 1,835,594; Dec. 8.
Container, Smoking-tobacco. C. H. Bricker. 1,789,577; Jan. 20.
Container stopper. A. O. Fox and J. A. Keenan. 1,814,141; July 14.
Container, Storage-battery. H. L. Boyer. 1,797,518; Mar. 24.
Container structure. H. A. Eggerss. 1,815,970; July 28.
Container, such as collapsible tubes, for tooth paste and other soft preparations, Metal. F. Wolf. 1,835,581; Dec. 8.
Container, Sugar dispensing. M. J. Wolferman. 1,828,695; Oct. 20.
Container supporting and tilting stand. E. D. Shepard. 1,791,005; Feb. 3.
Container, Tarnishproof. G. E. Herring. 1,791,594; Feb. 10.
Container, Thermic. A. Jost. 1,812,243; June 30.
Container, Tobacco. J. A. Molk. 1,830,403; Nov. 3.
Container, Toilet-accessories. H. L. Bell. Des. 83,488; Mar. 3.
Container, Toilet-accessories. A. G. Shields. Des. 83,880; Apr. 7.
Container, Toilet accessory. G. B. Jensen. Des. 85,436; Oct. 27.
Container, Toilet-powder. C. H. Oestreich. Des. 83,057; Jan. 13.
Container, Torpedo and fusee. A. O. Crandell. 1,818,197; Aug. 11.
Container transportation means, Goods. W. P. Kellett. 1,813,169; July 7.
Container, Tube. S. Boruss. 1,817,732; Aug. 4.
Container, Twine. C. J. Fulcher. 1,809,029; June 9.
Container, Ventilated. R. A. Pouchain and F. S. Fox. 1,818,908; Aug. 11.
Container, Volatile liquid. S. S. Weil. 1,808,801; June 9.
Container with adjustable package holder. R. T. Case. 1,835,278; Dec. 8.
Container with article delivery means. O. W. Moore. 1,801,634; Apr. 21.
Container with breaking tab, Scored. W. F. Punte. 1,825,602; Sept. 29.
Container with detachable closure. H. L. Dardelet. 1,835,016; Dec. 8.
Container with replaceable closure. H. L. Dardelet. 1,835,017; Dec. 8.
Container, Wrapped coin. C. E. McLean. 1,809,523; June 9.
Containers and applying same, Pouring lip for. J. Gutmann. 1,837,618; Dec. 22.
Containers and container so produced, Making liquid. J. L. Nelson. 1,805,552; May 19.
Containers and the like, Automatically soldering the side seams of. W. M. Holloway. 1,799,465; Apr. 7.
Containers and the like, Sealing. C. Jovignot. 1,834,711–12; Dec. 1.
Containers and tubes from sheet metal, Manufacture of. J. H. E. Francis and R. C. Coath. 1,796,015; Mar. 10.
Containers, Apparatus for filling. L. H. Dietsch. 1,830,644; Nov. 3.
Containers, Apparatus for filling multicompartment. N. M. Hopkins. 1,828,865; Oct. 27.
Containers, Apparatus for heading sheet metal. C. H. Rollason. 1,833,620; Nov. 24.
Containers, Apparatus for making angular. J. A. Gray. 1,792,978; Feb. 17.
Containers, Apparatus for making paper. E. C. Angell. 1,815,136; July 21.
Containers, Apparatus for making paper. E. C. Angell. 1,836,001; Dec. 15.
Containers, Apparatus for removing and recovering substances adhering to interior of liquid. A. Jensen. 1,799,819; Apr. 7.
Containers, Apparatus for sealing. E. C. Angell. 1,815,284; July 21.
Containers, Apparatus for testing sealed. F. H. Landrum. 1,825,672; Oct. 6.
Containers, Apparatus for use in filling. L. A. Becker and J. M. Munson. 1,789,281; Jan. 13.
Containers, Bottoming paper. W. L. Wright and J. T. Bond. 1,809,006; June 9.
Containers, Closure for. F. K. Fildes. 1,811,312; June 23.
Containers containing milk or other substances, Packing sealed. H. W. S. Palmer. 1,809,600; June 9.
Containers, Device for sealing. R. E. Hall. 1,834,208; Dec. 1.
Containers, Draw off arrangement for liquid. H. Francis and F. Oliver. 1,815,501; July 21.
Containers during vacuumizing, sterilizing, and sealing, Preventing the collapse of. W. B. Fenn. 1,817,550; Aug. 4.
Containers, Feeding and timing mechanism for. M. M. Sedwick. 1,828,624; Oct. 20.
Containers for perishable products, Means for use in the evacuation and sealing of. D. Robertson. 1,817,932; Aug. 11.
Containers, Interfitting lock for. H. H. Honigbaum. 1,821,059; Sept. 1.
Containers in the art of cracking hydrocarbons, Sealing. E. C. Herthel. 1,819,095; Aug. 18.
Containers, Making sheet metal. J. M. Hothersall. 1,803,616; May 5.
Containers, Making special. H. J. Neumiller. 1,792,388; Feb. 10.
Containers, Manufacture of cardboard. E. E. Denler. 1,798,193; Mar. 31.
Containers, Manufacture of paper. G. F. Blixt. 1,796,075; Mar. 10.
Containers, Manufacture of paper. L. B. Koch and J. Buchina. 1,806,943; May 26.
Containers, Metal leg and tie strap for. P. R. Simmons. 1,797,373; Mar. 24.
Containers, Metallic cap for glass. J. J. Williams. 1,808,702; June 2.
Containers, Method and apparatus for testing sealed. F. H. Landrum. 1,825,700; Oct. 6.
Containers, Method and apparatus for testing sealed. F. H. Landrum. 1,825,745; Oct. 6.
Containers, Method of and machine for closing flexible. I. W. Litchfield. Re17,997; Mar. 10.
Containers, Method of and material for sealing. B. J. Babbitt. 1,815,695; July 21.
Containers, Molding glass. R. Patterson. 1,833,973; Dec. 1.
Containers of vegetative pulp, Method and apparatus for making. W. H. Fulcher and C. H. Wood. 1,822,020; Sept. 8.
Containers or the like, Making paper. S. Bergstein. 1,833,557; Nov. 24.
Containers, Perforating. L. B. Winton. 1,825,840; Oct. 6.
Containers, Process and machine for making spacing members for shipping. C. A. Agar. 1,815,887; July 28.
Containers, Producing one-piece drawn. J. M. Hothersall. 1,800,531; Apr. 14.
Containers, Securing freight. W. P. Kellett. 1,788,631; Jan. 13.
Containers, Spacing device for. R. Frame. 1,838,754; Dec. 29.
Containers, Testing sealed. F. H. Landrum. 1,825,699; Oct. 6.
Containers, Testing sealed. F. H. Landrum. 1,825,744; Oct. 6.
Containers, Treating dry cell. O. E. Ruhoff and G. H. Schroeder. 1,824,626; Sept. 22.
Continuous heating furnace. S. E. Diescher. 1,800,170; Apr. 7.
Continuous sheet mill. W. M. Blecker. 1,819,763; Aug. 18.
Continuous strip mill. W. M. Blecker. 1,819,764; Aug. 18.
Contra-propellers, Fabricating. J. T. Wiseman. 1,808,151; June 2.
Contrivance for receiving written messages by telephone, Automatic. O. Watzka. 1,822,914; Sept. 15.
Contrivance for receiving written messages by telephone, Automatic. O. Watzka. 1,827,962; Oct. 20.
Control adjusting device, Automatic. A. E. Broughton. 1,822,005; Sept. 8.
Control, Aircraft. C. E. Glessner. 1,817,074; Aug. 4.
Control airplane. R. Chilton. 1,808,342; June 2.
Control and dampening device, Liquid-pressure. W. C. Elliott. 1,789,620; Jan. 20.
Control and protective system. L. H. Junken and D. K. Blake. 1,830,703; Nov. 3.
Control apparatus. N. K. Andersen. 1,817,431; Aug. 4.
Control apparatus. B. O. Austin. 1,801,837; Apr. 21.
Control apparatus. B. O. Austin. 1,811,451; June 23.
Control apparatus. G. Borden, 2d., and E. Carlton. 1,827,185; Oct. 13.
Control apparatus. H. H. Johnston. 1,819,177; Aug. 18.
Control apparatus. A. E. Krogh. 1,827,528; Oct. 13.
Control apparatus. E. E. Rose and J. T. Welsh. 1,805,262; May 12.
Control apparatus. S. B. Schenck. 1,795,896; Mar. 10.
Control apparatus. W. H. Smith. 1,817,213; Aug. 4.
Control apparatus. H. E. White. 1,807,815; June 2.
Control apparatus, Electric. G. Somajni. 1,832,146; Nov. 17.
Control apparatus, Instrumental. O. Feussner. 1,822,989; Sept. 15.

Control apparatus, Quality. P. Lacy-Mulhall. 1,822,901; Sept. 15.
Control arrangement for carrier apparatus. W. T. Rea. 1,809,945; June 16.
Control arrangement for electric switches. F. T. Coldwell. 1,836,790; Dec. 15.
Control attachment, Automatic. H. Rabezzana. 1,823,430; Sept. 15.
Control, Automatic. H. J. L. Frank. 1,800,446; Apr. 14.
Control, Automatic door. C. R. Trimble. 1,833,542; Nov. 24.
Control, Automatic fluid flow. W. J. Weesner. 1,832,070; Nov. 17.
Control, Automatic grinder. K. Rupprecht. 1,828,622; Oct. 20.
Control, Automatic spark. H. W. Meade. 1,818,079; Aug. 11.
Control, Automobile. L. E. Russell, jr. and G. E. Peters. 1,820,678; Aug. 25.
Control, Automobile window. N. F. Markgren. 1,832,870; Nov. 24.
Control, Bucket hoist. B. W. Jones. 1,834,785; Dec. 1.
Control cable hanger. L. J. Kinnard. 1,822,153; Sept. 8.
Control casing head. W. D. Shaffer. 1,838,503; Dec. 29.
Control, Combination switch and head lamp. O. R. Sell. 1,829,191; Oct. 27.
Control cross talk, Means to. H. A. Affel and A. Carpe. 1,811,905; June 30.
Control cross talk, Means to. A. Carpe. 1,811,915; June 30.
Control device. A. V. Bodine. 1,801,067; Apr. 14.
Control device. H. H. Brown. 1,829,887; Nov. 3.
Control device. J. Harding, jr. 1,822,287; Sept. 8.
Control device. R. C. Hitchcock. 1,815,566; July 21.
Control device. C. H. Hodgkins. 1,809,299; June 9.
Control device. A. A. Johnson. 1,831,355; Nov. 10.
Control device. L. H. Kai. 1,837,220; Dec. 22.
Control device. R. R. Potter and M. Shakespeare. 1,821,576; Sept. 1.
Control device, Dual. T. A. Peebles. 1,797,586; Mar. 24.
Control device, Elevator. J. Rice. 1,833,126; Nov. 24.
Control device for affination centrifugals. C. L. Carlson. 1,820,374; Aug. 25.
Control device for automobile radiator shutters. L. B. Green. 1,793,926; Feb. 24.
Control device for electric irons and the like. C. Arnesen. 1,813,267; July 7.
Control device for flow of fluids. R. M. Hortvet. 1,822,578; Sept. 8.
Control device for oil burner systems, Stack. W. W. Williams. 1,827,703; Oct. 13.
Control device for pumping apparatus. S. J. Merritt. 1,811,952; June 30.
Control device for receipt printing machine. W. E. Long. 1,829,286; Oct. 27.
Control device for stoves. C. F. Conover. 1,833,737; Nov. 24.
Control device, Fuel and speed. W. C. Moore. 1,819,688; Aug. 18.
Control device, Hydraulic. R. L. Fellman and M. C. George. 1,834,773; Dec. 1.
Control device, Pressure responsive. H. B. Lee. 1,831,072; Nov. 10.
Control, Electric door. H. C. Blodgett. 1,817,909; Aug. 11.
Control equipment, Automatic. H. Bany. 1,801,242; Apr. 14.
Control equipment, Automatic. E. L. Hough. 1,831,563; Nov. 10.
Control equipment, Automatic. P. Mathews, jr. 1,815,791; July 21.
Control equipment, Automatic. H. T. Seeley. 1,800,032; Apr. 7.
Control equipment, Automatic. H. T. Seeley. 1,815,803; July 21.
Control for a plurality of variable pressure valves. S. S. McIntyre. 1,815,628; July 21.
Control for aircraft, Adjustable. W. Wait, jr. 1,795,910; Mar. 10.
Control for aircraft, Automatic. P. E. Helmer and E. J. Massicotte. 1,834,399; Dec. 1.
Control for aircraft controls, Irreversible. J. Blondin. 1,836,437; Dec. 15.
Control for aircraft, Gas. M. B. Pupp. 1,833,336; Nov. 24.
Control for aircraft, Hand grip. L. Abraham. 1,834,013; Dec. 1.
Control for airplanes. M. H. Depue. 1,808,344; June 2.
Control for automotive machines and material handling machines, Distant. K. Davis. 1,794,446; Mar. 3.
Control for blowers. C. R. Waller. 1,837,382; Dec. 22.
Control for casing spinning apparatus, Friction. W. W. Foster. 1,831,853; Nov. 17.
Control for dampers for heating and ventilating units, Thermal. M. J. Callahan. 1,825,689; Oct. 6.
Control for drive shafts, Reverse movement. C. D. Ellis. 1,834,448; Dec. 1.
Control for electric motors, Hand. A. M. Riddell. 1,827,372; Oct. 13.
Control for electrically operated liquid fuel burning devices. I. E. McCabe. 1,817,635; Aug. 4.
Control for elevators, System of. C. W. Bassett and H. J. Fear. 1,814,660; July 14.
Control for field resistance, Automatic. C. Froesch. 1,791,164; Feb. 3.
Control for fluid motors. E. Davis. 1,819,641; Aug. 18.
Control for fluid pressure brakes. O. C. Wright. 1,823,225; Sept. 15.
Control for fuel burners. W. E. Stark. 1,835,993; Dec. 8.
Control for garage doors, Automatic. F. L. and R. V. Morse. 1,801,445; Apr. 21.
Control for gauge glass, C. V. Fuqua. 1,791,354; Feb. 3.
Control for generators. C. E. Johnson and E. Mendenhall. 1,835,056; Dec. 8.
Control for heaters, Thermoelectric. H. I. Platt. 1,819,620; Aug. 18.
Control for lubricators, Automatic. J. F. MacIndoe. 1,805,290; May 12.
Control for motor vehicles. W. G. Milligan. 1,793,817; Feb. 24.
Control for motors, Automatic. A. C. Durdin. 1,819,774; Aug. 18.
Control for pumps, Anticlog. M. D. Church. 1,834,333; Dec. 1.
Control for refrigerators, Automatic. S. G. House and R. C. Snell. 1,828,566; Oct. 20.
Control for reversing mechanism. A. C. Kalk. 1,799,560; Apr. 7.
Control for rotary drilling rigs, Electromagnetic drilling. E. P. Blankenship and F. E. Brock. 1,834,894; Dec. 1.
Control for self propelled vehicles, Automatic. R. W. Babson. 1,826,492; Oct. 6.
Control for ships, Rudder. J. Bahl. 1,835,453; Dec. 8.
Control for skip buckets, Automatic. W. W. Sayers. 1,835,094; Dec. 8.
Control for stitch regulating mechanism of flat knitting machines, Automatic. H. F. Paget. 1,822,169; Sept. 8.
Control for stone cutting and finishing machines, Automatic. J. P. Ellenbecker. 1,831,412; Nov. 10.
Control for tabulating machines, Automatic. H. Hollerith. 1,830,699; Nov. 3.
Control for traveling mechanism. W. H. Ortlip. 1,832,650; Nov. 17.
Control for valves and switches. P. Zigelman and M. Rose. 1,829,699; Oct. 27.
Control, Fuel and air. W. W. Williams. 1,833,273; Nov. 24.
Control, Gas electric drive. A. W. Pope, jr. 1,831,823; Nov. 17.
Control, Gear box. W. J. Schlacks. 1,828,547; Oct. 20.
Control, Gravity feed. T. B. Cowles and C. M. Park. 1,815,347; July 21.
Control gyro. E. A. Sperry. 1,788,807; Jan. 13.
Control head for oil and gas wells. W. B. Wigle. 1,836,419; Dec. 15.
Control head for oil and gas wells. W. B. Wigle. 1,836,565; Dec. 15.
Control head, Hydraulic casing. J. S. Lacey. 1,802,564; Apr. 28.
Control, Inverted stick. F. E. Loudy. 1,829,098; Oct. 27.
Control means for aeroplanes, Automatic. L. M. Norheim. 1,796,576; Mar. 17.
Control means for door closers. L. C. Norton. 1,833,121; Nov. 24.
Control means for heating fuel mixtures supplied to internal combustion engines. F. Pokorny. 1,824,926; Sept. 29.
Control means for hot blast stoves. F. H. Willcox and J. C. Hayes, jr. 1,817,219; Aug. 4.
Control means, Rotary automatic. J. J. McGerry and C. H. Whiting. 1,808,901; June 9.
Control mechanism. S. Einstein. 1,825,719; Oct. 6.
Control mechanism. W. W. Frymoyer. 1,799,131; Mar. 31.
Control mechanism. A. W. Morris and S. P. Wetherill, jr. 1,816,491; July 28.
Control mechanism. F. G. Rawling. 1,821,237; Sept. 1.
Control mechanism. J. L. Ray. 1,792,240; Feb. 10.
Control mechanism. J. L. Ray. 1,792,241; Feb. 10.
Control mechanism. W. Schmid. 1,795,447; Mar. 10.
Control mechanism. M. L. Strawn. 1,834,986; Dec. 8.
Control mechanism. L. G. Wade. 1,796,816; Mar. 17.
Control mechanism. R. K. Winning. 1,797,745; Mar. 24.
Control mechanism, Automatic skip. E. H. Lichtenberg. 1,824,607; Sept. 22.
Control mechanism, Automatic tramper. J. Behle, G. E. King, and H. C. Blackmon. 1,826,198; Oct. 6.
Control mechanism for brake booster cylinders. G. E. A. Hallett. 1,815,619; July 21.
Control mechanism for burners. E. R. Evans. 1,828,651; Oct. 20.
Control mechanism for concrete paving machines. E. L. Tranaas. 1,824,580; Sept. 22.
Control mechanism for crawler loader booms. F. F. Waechter and L. F. Snyder. 1,817,789; Aug. 4.
Control mechanism for distributing buckets. O. Sheck and E. Tranaas. 1,815,682; July 21.
Control mechanism for glass feeders. A. M. Algeo and J. W. Ross. 1,816,275; July 28.
Control mechanism for hydraulic presses. W. Ernst. Re18,287; Dec. 15.
Control mechanism for internal grinding machines. A. M. Drake. 1,817,180; Aug. 4.
Control mechanism for machines. D. E. and E. F. Lewellen. 1,815,155; July 21.

Control mechanism for refrigerating systems. B. L. Gates. 1,827,981; Oct. 20.
Control mechanism for rolling doors, Automatic. W. Graystone. 1,795.390; Mar. 10.
Control mechanism for superchargers. S. A. Moss. 1,816,787; July 28.
Control mechanism for variable velocity ratio gearing. E. J. de Normanville. 1,839,088; Dec. 29.
Control mechanism for vehicle wheel brakes. J. R. Cautley. 1,819,767; Aug. 18.
Control mechanism, Interlocking. T. C. Evans. 1,809,778; June 9.
Control mechanism, Intermittent. R. O. Fortune. 1,804,051; May 5.
Control mechanism, Organ-swell-. P. Sowada. 1,796,222; Mar. 10.
Control mechanism, Pressure operated. W. L. Edel. 1,804,599; May 12.
Control mechanism, Thread carrier rod. F. E. Struve. 1,833,310; Nov. 24.
Control method and apparatus. R. D. Bean. 1,825,932; Oct. 6.
Control method and apparatus. R. P. Brown. 1,826,986; Oct. 13.
Control method and apparatus. A. C. Harrison. 1,833,077; Nov. 24.
Control method and apparatus. H. C. Parker. 1,830,333; Nov. 3.
Control, Motor vehicle. H. E. Hull. 1,832,125; Nov. 17.
Control, Multiple. E. A. Bohlman. 1,794,752; Mar. 3.
Control of air valves for aerofoils. S. E. Hitt. 1,838,484; Dec. 29.
Control of direct-current motors. G. Somajni. 1,791,848; Feb. 10.
Control of electric motors. R. D. Given. 1,792,296; Feb. 10.
Control of electric switches. F. T. Coldwell. 1,836,838; Dec. 15.
Control of electric transmissions for gas electric drives, Manual. W. B. Jupp and F. E. Queeney. 1,829,222; Oct. 27.
Control of humidity of air, Automatic. H. H. W. Van Eyk and J. P. Pfeiffer. 1,834,987; Dec. 8.
Control of railway and like vehicles. J. Neale and H. R. Watson. 1,789,251; Jan. 13.
Control of vehicle tank valves, Fluid pressure. P. S. Shield. 1,829,020; Oct. 27.
Control of vehicles, Heel and toe. H. Rowntree. 1,805,263; May 12.
Control, Speed responsive. W. T. Tabb. 1,818,826; Aug. 11.
Control structure for plows. J. H. Davis. 1,823,969; Sept. 22.
Control, Supervisory. R. C. Hummel. 1,817,439; Aug. 4.
Control switch, Multiple-. C. M. Petersen. 1,787,915; Jan. 6.
Control switch, Multiple-. W. L. Walker. 1,796,774; Mar. 17.
Control switch, Rotary. G. W. O'Keeffe. 1,829,606; Oct. 27.
Control system. H. Bany. 1,792,268; Feb. 10.
Control system. E. S. Bristol. 1,827,351; Oct. 13.
Control system. E. S. Bristol. 1,827,417; Oct. 13.
Control system. E. F. Carter. 1,819,869; Aug. 18.
Control system. G. E. Cassidy. 1,803,170; Apr. 28.
Control system. O. C. Cordes. 1,809,963; June 16.
Control system. D. W. Dean. 1,792,287; Feb. 10.
Control system. D. W. Dean. 1,795,014; Mar. 3.
Control system. E. W. Denman. 1,795,013; Mar. 3.
Control switch. C. T. Evans. 1,837,212; Dec. 22.
Control system. A. C. Finney. 1,813,796; July 7.
Control system. J. W. Harsch and W. R. Schofield, jr. 1,815,061; July 21.
Control system. R. P. Higbee. 1,831,069; Nov. 10.
Control system. H. D. James. 1,794,961; Mar. 3.
Control system. H. D. James. 1,802,765; Apr. 28.
Control system. H. D. James. 1,819,465; Aug. 18.
Control system. F. H. Johnson. 1,790,924; Feb. 3.
Control system. G. H. Jump. 1,814,810; July 14.
Control system. F. D. King. 1,792,309; Feb. 10.
Control system. D. L. Lindquist and G. N. Crabbe. 1,818,486; Aug. 11.
Control system. R. M. Matson. 1,797,009; Mar. 17.
Control system. R. M. Matson. 1,830,613; Nov. 3.
Control system. J. M. McNairy. 1,817,756; Aug. 4.
Control system. R. W. McNeill. 1,802,770; Apr. 28.
Control system. P. McShane. 1,802,771; Apr. 28.
Control system. F. N. Moerk and C. B. Irmer. 1,816,603; July 28.
Control system. O. Needham. 1,794,977; Mar. 3.
Control system. H. S. Pardee. Re18,033; Apr. 7.
Control system. K. Schade and H. Hochreuter. 1,836,992; Dec. 15.
Control system. W. R. Schofield, jr. 1,791,383; Feb. 3.
Control system. N. W. Storer. 1,795,904; Mar. 10.
Control system. W. R. Tallaferro. 1,824,846; Sept. 29.
Control system. W. E. Thau. 1,821,332; Sept. 1.
Control system. W. E. Thau. 1,834,187–8; Dec. 1.
Control system. H. E. Trent. 1,816,942; Aug. 4.
Control system. L. A. Umansky. 1,797,969; Mar. 24.
Control system. P. C. Ward. 1,819,489; Aug. 18.
Control system. C. C. Whittaker. 1,814,015; July 14.
Control system. H. W. Williams. 1,816,454; July 28.
Control system, Automatic. A. E. Anderson. 1,793,384; Feb. 17.
Control system, Automatic. J. W. Bryce. 1,787,719; Jan. 6.
Control system, Automatic. R. M. Hardgrove. 1,804,336; May 5.
Control system, Automatic. H. T. Seeley. 1,814,860; July 14.
Control system, Constant magnitude. P. R. Dijksterhuis. 1,804,325; May 5.
Control system, Electrical. J. L. Reynolds. 1,814,263; July 14.
Control system for automatic gear and clutch shifting assemblies. G. Fleischel. 1,819,237; Aug. 18.
Control system for direct current machines. K. Schmidt. 1,836,088; Dec. 15.
Control system for dirigible craft, Gyroscopic. F. W. Meredith. 1,826,013; Oct. 6.
Control system for dynamo electric machines. L. W. Thompson and E. H. Horstkotte. 1,805,502; May 19.
Control system for electric motor operated rotary devices. R. C. Lockett. 1,833,491; Nov. 24.
Control system for electric motors. W. C. Raube. 1,827,671; Oct. 13.
Control system for electric motors, Automatic. C. M. Knight. 1,832,400; Nov. 17.
Control system for fuel burners. R. J. Eiseman. 1,835,028; Dec. 8.
Control system for motor vehicle. H. E. Lippert. 1,817,416; Aug. 4.
Control system for steam generators, Automatic. F. Köhler. 1,838,265; Dec. 29.
Control system for sugar washing apparatus and the like. C. L. Carlson. 1,828,127; Oct. 20.
Control system for temperature, humidity, and the like. C. L. Fortier. Re17,928; Jan. 13.
Control system for transmission of signals. O. R. Miller. 1,811,858; June 30.
Control system for vehicles, Automatic. J. H. Greenley. 1,804,257; May 5.
Control system for viewing devices. F. E. Weller. 1,820,516; Aug. 25.
Control system, Frequency-. W. A. Marrison. 1,788,533; Jan. 13.
Control system, Hydraulic. R. J. Caughey. 1,814,827; July 14.
Control system, Motor. L. A. Umansky. 1,822,759; Sept. 8.
Control system, Remote. A. E. Hudd. 1,790,866; Feb. 3.
Control system, Remote-. C. E. Stewart. 1,792,256; Feb. 10.
Control system, Remote supervisory. A. Ritter and O. Plechl. 1,816,496; July 28.
Control system, Remote supervisory. T. U. White. 1,810,546; June 16.
Control system, Selective. J. L. Woodworth. 1,816,755; July 28.
Control system, Supervisory. J. L. McCoy. 1,802,728; Apr. 28.
Control system, Supervisory. A. L. Moreau. 1,806,262; May 19.
Control system, Supervisory. A. L. Moreau. 1,835,608; Dec. 8.
Control system, Supervisory. T. U. White. 1,790,188–9; Jan. 27.
Control switch, Thermostatic electrical. J. J. Shively. 1,824,377; Sept. 22.
Control, Volume. V. C. Macnabb. 1,833,085; Nov. 24.
Controlled mechanisms for traveling webs of material, Automatically. D. R. Francis. 1,815,100; July 21.
Controller. W. W. Sloane. 1,817,947; Aug. 11.
Controller drum. O. P. Schuster. 1,804,647; May 12.
Controller for car coupler and electric circuits. H. E. Van Dorn. 1,790,291; Jan. 27.
Controller for electric motors. E. J. Gove. 1,789,069; Jan. 13.
Controller for electric motors. P. B. Harwood. 1,801,502; Apr. 21.
Controller for electric motors. B. W. Jones and W. J. Fleming. 1,828,567; Oct. 20.
Controller for electric motors. N. L. Mortensen. 1,790,942; Feb. 3.
Controller for electric motors. N. L. Mortensen and E. W. Seeger. 1,825,009; Sept. 29.
Controller for electric motors. C. Stansbury and N. L. Mortensen. 1,806,269; May 19.
Controller for humidifier valves, Removable adjustable. J. W. Galloway. 1,837,213; Dec. 22.
Controller for induction motors. C. Stansbury. 1,826,963; Oct. 13.
Controller, Pneumatic. A. E. Hutt. 1,836,029; Dec. 15.
Controller for synchronous motors. R. G. Lockett. 1,799,239; Apr. 7.
Controlling and controlling mechanism for machines for cleaning and opening cotton and forming the same into laps. H. Wilkinson. 1,825,168; Sept. 29.
Controlling apparatus. O. W. Heise. 1,809,898; June 16.
Controlling apparatus, Automatic. F. C. Chadborn. 1,835,012; Dec. 8.
Controlling apparatus for electric circuit breakers. F. Coates and R. Anderson. 1,838,528; Dec. 29.
Controlling apparatus for highway crossing signals. P. H. Crago. 1,828,926; Oct. 27.

Controlling apparatus for oil burners. J. N. Macrae and C. P. Packard. 1,830,474; Nov. 3.
Controlling apparatus for variable speed transmissions. A. L. Ellis. 1,821,502; Sept. 1.
Controlling device. F. G. L. Boyer. 1,807,825; June 2.
Controlling device. G. A. Knaak. 1,788,678; Jan. 13.
Controlling device, Driving belt. A. P. Winter. 1,814,016; July 14.
Controlling device for aircraft. L. Constantin. 1,818,044; Aug. 11.
Controlling device for carburetors of internal combustion engines. K. Maybach. 1,833,908; Dec. 1.
Controlling device for power operated valves. D. M. Belcher. 1,829,708; Oct. 27.
Controlling device for running webs. H. A. W. Wood. 1,796,912; Mar. 17.
Controlling device for shades. A. C. Hanson. 1,790,662; Feb. 3.
Controlling device for window shades. A. C. Hanson. 1,823,447; Sept. 15.
Controlling device, Resistance. L. Flandrin and G. C. Levy. 1,834,832; Dec. 1.
Controlling means. H. F. Stevens. 1,810,376; June 16.
Controlling means for a plurality of locomotive booster motors, Selective. F. R. Peters. 1,838,703; Dec. 29.
Controlling means for charge forming devices, Heat. R. P. Wright. 1,821,047; Sept. 1.
Controlling means for electric circuits. C. Horsley and E. R. Goldfield. 1,831,006; Nov. 10.
Controlling means for heat exchange apparatus. W. M. Hepburn. 1,826,213; Oct. 6.
Controlling means for internal combustion engines, Fuel feed. O. D. Treiber. 1,823,713; Sept. 15.
Controlling means, Perforated. A. L. Adatte. 1,790,527; Jan. 27.
Controlling means, Ticker tape. A. D. Eitzen. 1,822,770; Sept. 8.
Controlling mechanism. E. H. Bristol. 1,805,971; May 19.
Controlling mechanism. R. J. Brittain, jr. 1,835,458; Dec. 8.
Controlling mechanism. M. P. Holmes. 1,792,093: Feb. 10.
Controlling mechanism. E. A. Holmgren. 1,830,605; Nov. 3.
Controlling mechanism. H. H. Mercer. 1,834,595; Dec. 1.
Controlling mechanism. A. W. Phillips. 1,834,591; Dec. 1.
Controlling mechanism for machines for cleaning and opening cotton and forming the same into laps. H. Wilkinson. 1,825,167; Sept. 29.
Controlling mechanism for saw mill carriages. C. S. Amidon. 1,811,038; June 23.
Controlling mechanism, Web roll. R. McC. Johnstone. 1,832,906; Nov. 24.
Controlling sensitivity of voice operated devices. S. B. Wright and D. Mitchell. 1,814,017–8; July 14.
Controlling system. G. P. S. Cross. 1,815,289; July 21.
Controlling the feeding of webs, Method and mechanism for. K. G. Laycock. 1,822,495; Sept. 8.
Convenience outlet. W. A. Bockius and H. B. Jones. 1,794,359; Mar. 3.
Convenience outlet. M. N. Russell. 1,794,250; Feb. 24.
Converter for electric current. J. H. and K. B. Cragg. 1,809,110; June 9.
Converter smelting. H. H. Stout and J. M. Samuel. 1,817,043; Aug. 4.
Converter, Synchronous motor driven. G. Melazzo. 1,838,629; Dec. 29.
Converter, Vibrating. W. Moser. 1,819,617; Aug. 18.
Convertible bench. M. L. Greenstreet. 1,792,737; Feb. 17.
Convertible chair. W. Druyun. 1,836,315; Dec. 15.
Convertible implement. D. Pinnelli. 1,807,009; May 26.
Convertible structure. H. E. Lennon and R. E. O'Neil. 1,802,151; Apr. 21.
Converting attachment. F. J. Dultmeier. 1,796,091; Mar. 10.
Conveyer. J. A. Alger. 1,809,662; June 9.
Conveyer. E. H. Allfree. 1,801,894; Apr. 21.
Conveyer. E. H. Allfree. 1,810,588; June 16.
Conveyer. J. E. Boger. 1,825,572; Sept. 29.
Conveyer. W. C. Boldt. 1,800,814; Apr. 14.
Conveyer. L. Buck. 1,800,432; Apr. 14.
Conveyer. C. R. Claghorn. 1,817,348; Aug. 4.
Conveyer. C. R. Claghorn. 1,818,115; Aug. 11.
Conveyer. H. Z. Cobb. 1,809,830; June 16.
Conveyer. G. C. Davis. 1,812,287; June 30.
Conveyer. R. H. Fox. 1,830,023; Nov. 3.
Conveyer. E. V. Francis. 1,792,533; Feb. 17.
Conveyer. A. W. Haiss. 1,790,809; Feb. 3.
Conveyer. F. E. Hall. 1,831,107; Nov. 10.
Conveyer. T. J. Hile and L. D. Barber. 1,819,955; Aug. 18.
Conveyer. G. L. Hise. 1,816,327; July 28.
Conveyer. E. C. Hopkins. 1,817,373; Aug. 4.
Conveyer. A. Kaltenbrunn. 1,821,714; Sept. 1.
Conveyer. J. P. Lawrence. 1,838,772; Dec. 29.
Conveyer. G. Manierre. 1,792,501; Feb. 17.
Conveyer. T. G. Nyborg. 1,830,557; Nov. 3.
Conveyer. E. F. Oyster. 1,792,601; Feb. 17.
Conveyer. A. Redler. 1,817,647; Aug. 4.
Conveyer. B. W. Snodgrass. 1,821,678; Sept. 1.
Conveyer. C. E. Sorensen. 1,821,119; Sept. 1.
Conveyer. F. Speno. 1,804,286; May 5.
Conveyer. R. Stresau. 1,792,195; Feb. 10.
Conveyer. W. J. Taylor. 1,835,823; Dec. 8.
Conveyer. J. H. Thurmer. 1,810,859; June 16.
Conveyer. E. B. Tolman, jr. 1,819,346; Aug. 18.
Conveyer. C. A. Upson. 1,834,323; Dec. 1.
Conveyer. G. B. Welser, jr. 1,824,756; Sept. 22.
Conveyer. J. W. Wetter. 1,828,482; Oct. 20.
Conveyer. T. Wilkes. 1,828,268; Oct. 20.
Conveyer. A. O. Williams and W. L. Davis. 1,826,853; Oct. 13.
Conveyer. P. H. York. 1,795,192; Mar. 3.
Conveyer and baller. W. G. Kirchhoff. 1,807,295; May 26.
Conveyer and collector, Locomotive ash. M. Rivkin. 1,790,768; Feb. 3.
Conveyer and transfer mechanism, Automatic. C. G. Miller. 1,809,137; June 9.
Conveyer apparatus. J. C. Meem. 1,823,370; Sept. 15.
Conveyer apparatus. W. K. Williams. 1,824,858; Sept. 29.
Conveyer, Apron. P. F. Krenzke. 1,804,423; May 12.
Conveyer, Article. W. H. Bloomer. 1,833,352; Nov. 24.
Conveyer, Belt. F. E. D'Humy, P. J. Birkmeyer, and F. Griffith. 1,801,906; Apr. 21.
Conveyer belt, Flanged. F. N. Woodman. 1,817,117; Aug. 4.
Conveyer belt with reenforced raised edges. F. N. Woodman. 1,790,782; Feb. 3.
Conveyer belts, Wear-resisting device for wire. F. N. Woodman. 1,800,880; Apr. 14.
Conveyer, Bucket. H. M. Gumper. 1,830,603; Nov. 3.
Conveyer, Chain. J. J. Mojonnier. 1,804,701; May 12.
Conveyer, Cleat. G. E. Rowe. 1,828,232; Oct. 20.
Conveyer, Coal. W. M. Schweickart. 1,828,984; Oct. 27.
Conveyer, Coal. W. B. Williams. 1,815,135; July 21.
Conveyer, Collapsible. S. H. McKnight. 1,828,780; Oct. 27.
Conveyer control. W. H. Bernadt. 1,803,689; May 5.
Conveyer control. E. G. Griffith. 1,829,087; Oct. 27.
Conveyer control mechanism. E. T. Lorig and R. F. Peterson. 1,837,053; Dec. 15.
Conveyer device for handling fibrous material in process of manufacture, Connecting. B. S. Summers and H. T. Heath. 1,819,661; Aug. 18.
Conveyer distributor for cotton-ginning systems. J. T. Beaty. 1,792,566; Feb. 17.
Conveyer drier. P. M. Williams. 1,791,438; Feb. 3.
Conveyer duct. G. Bernert. 1,812,678; June 30.
Conveyer, Electrically driven shaker. T. G. Nyborg and M. F. Higgins. 1,814,732; July 14.
Conveyer, Enameling furnace. R. MacDougall. 1,819,472; Aug. 18.
Conveyer feeding mechanism. L. Sekulski. 1,826,832; Oct. 13.
Conveyer, Flexible. G. D. Jones. 1,821,644; Sept. 1.
Conveyer flight. F. S. Schade. 1,800,663; Apr. 14.
Conveyer for annealing furnaces. E. E. Griffiths. 1,788,866; Jan. 13.
Conveyer for can washing machines. I. R. Hippenmeyer. 1,831,388; Nov. 10.
Conveyer for furnaces, Material. F. T. Cope. 1,799,956; Apr. 7.
Conveyer for grain binders. C. F. Routhe. 1,821,277; Sept. 1.
Conveyer for heat treatment furnaces, Roller type. F. A. Fahrenwald. 1,814,082; July 14.
Conveyer for husking units, Feeder. J. Powell. 1,810,437; June 16.
Conveyer for merchandise establishments, Package. F. E. Hall. 1,832,547; Nov. 17.
Conveyer for metal sheets. W. E. Watkins. 1,794,659; Mar. 3.
Conveyer for packaging machines. A. G. Rose. 1,806,501; May 19.
Conveyer for sheet glass forming machines, Take off and leering. R. Genenger. 1,829,134; Oct. 27.
Conveyer for sheet-glass-forming machines, Take-off and leering. E. Gentil. 1,797,649; Mar. 24.
Conveyer for sheet glass forming machines, Take-off and leering. W. Spiekermann. 1,816,407; July 28.
Conveyer for skein or yarn driers. A. O. Hurzthal and H. Bogaty. 1,812,789; June 30.
Conveyer, Furnace. A. T. Kathner. 1,818,806; Aug. 11.
Conveyer, Furnace. R. J. Wean. 1,825,107; Sept. 29.
Conveying furnace, Magnetic control. E. L. Smalley. 1,837,497; Dec. 22.
Conveyer, Gravity. C. G. Pfeiffer. 1,802,089; Apr. 21.
Conveyer, Ice. M. J. Uline. 1,789,504; Jan. 20.
Conveyer, Ice-serving. W. H. Clayton. 1,793,158; Feb. 17.
Conveyer, Link. F. N. Woodman. 1,839,071; Dec. 29.
Conveyer, Mail. J. J. Burk. 1,834,826; Dec. 1.
Conveyer means for wheeled vehicles. G. L. Rosebrook 1,787,763; Jan. 6.
Conveyer mechanism. G. F. Croessant. 1,808,918; June 9.
Conveyer mechanism. W. V. Hoefen. 1,807,211; May 26.
Conveyer method and apparatus. R. T. Romine. 1,818,358; Aug. 11.
Conveyer, Mold carrying. E. F. Miltenberger. 1,816,336; July 28.
Conveyer operating system. G. M. Crawford and J. M. London. 1,831,096; Nov. 10.
Conveyer or carrier, Automatic water. S. L. Adams and D. B. Adams. 1,829,625; Oct. 27.
Conveyer or handling device. W. J. Loerke. 1,820,669; Aug. 25.
Conveyer pad. C. L. Mattison. 1,817,037; Aug. 4.

Conveyer, Pallet. A. O. Dupuy. 1,825,447; Sept. 29.
Conveyer, Pneumatic. G. Bernert. 1,789,096; Jan. 13.
Conveyer, Portable. W. K. Liggett. 1,808,237; June 2.
Conveyer, Power driven. H. W. Smith. 1,816,405; July 28.
Conveyer, Reciprocating. H. E. Preston. 1,837,994; Dec. 22.
Conveyer roll. A. P. Strong. 1,789,325; Jan. 20.
Conveyer roller. H. W. Wilkinson. 1,829,973; Nov. 3.
Conveyer roller, Motor-driven. W. McKee. 1,788,167; Jan. 6.
Conveyer rollers, Making. R. A. Walter. 1,798,347; Mar. 31.
Conveyer safety device. C. D. Paquette. 1,806,913; May 26.
Conveyer, Screw. T. Elliott. 1,818,055; Aug. 11.
Conveyer-separator. L. T. Evans. 1,809,586; June 9.
Conveyer, Shaker. T. G. Nyborg. 1,817,927; Aug. 11.
Conveyer, Sheet aligning. A. W. Werner. 1,836,213; Dec. 15.
Conveyer, Sheet and board. C. A. Upson. 1,834,324; Dec. 1.
Conveyer, Stoker. C. J. Surdykowski. 1,814,645; July 14.
Conveyer, Stoker. E. A. Turner. 1,814,648; July 14.
Conveyer structure. E. O. Hiller. 1,833,289; Nov. 24.
Conveyer switch. C. J. Kesti. 1,824,276; Sept. 22.
Conveyer, Switching. C. W. Resch. 1,819,972; Aug. 18.
Conveyer system. Y. A. Ahnger. 1,813,130; July 7.
Conveyer system. J. P. Bunce. 1,813,794; July 7.
Conveyer system. J. T. Cowley and L. C. Allen. 1,804,154; May 5.
Conveyer system. L. H. Draeger. 1,814,026; July 14.
Conveyer system. R. L. Drake. 1,833,417; Nov. 24.
Conveyer system. C. M. Richardson and A. J. Howe. 1,822,111; Sept. 8.
Conveyer system, Article. C. E. Jacquart. 1,818,805; Aug. 11.
Conveyer, Trolley. E. V. Francis. 1,810,416–19; June 16.
Conveyer, Tube. A. P. Clayton. 1,803,172; Apr. 28.
Conveyer, Vertical. A. N. Klyver and L. E. Dupuy. 1,794,331; Feb. 24.
Conveyer worm protective device. W. F. Rieger. 1,837,069; Dec. 15.
Conveyers, Automatic loading and discharge apparatus for. J. Caesar and W. T. Donaldson. 1,832,000; Nov. 17.
Conveyers, Control system for. W. Engel. 1,790,641; Feb. 3.
Conveyers, Expansion coupling for screw. J. N. Parker. 1,829,453; Oct. 27.
Conveyers, Trough connection for reciprocating. R. A. Walter. 1,810,804; June 16.
Conveying and dumping apparatus. H. J. Baugh and F. E. Kling. 1,837,098; Dec. 15.
Conveying apparatus. M. J. Anderson. 1,825,037–8; Sept. 29.
Conveying apparatus. R. W. Baker. 1,831,283; Nov. 10.
Conveying apparatus. J. T. Cowley and L. C. Allen. 1,804,153; May 5.
Conveying apparatus. J. R. Moser. 1,788,685; Jan. 13.
Conveying apparatus. M. Nelsen. 1,800,898; Apr. 14.
Conveying apparatus. F. P. Nistle. 1,812,976; July 7.
Conveying apparatus. O. S. Sells. 1,795,450; Mar. 10.
Conveying apparatus. W. M. Venable. 1,788,554; Jan. 13.
Conveying apparatus for pulverized material. L. Manico. 1,796,381; Mar. 17.
Conveying bulk goods, Apparatus for. P. Goebels. 1,815,403; July 21.
Conveying device for paper pulp. R. T. Lang. 1,829,563; Oct. 27.
Conveying device, Shaking. P. Aurich. 1,814,277; July 14.
Conveying flexible material, Method of and apparatus for. C. C. Van Arsdale. 1,832,823; Nov. 17.
Conveying material through heat-treating furnaces, Apparatus for. L. Larson. 1,793,940; Feb. 24.
Conveying means. H. R. Williams. 1,829,322; Oct. 27.
Conveying means and method. T. H. Nye. 1,795,137; Mar. 3.
Conveying means for macaroni driers. F. Patrono and V. Di Bari. 1,833,853; Nov. 24.
Conveying mechanism. E. J. Quinn. 1,831,508; Nov. 10.
Conveying of material. H. Heymann and E. Lehr. 1,810,882; June 16.
Conveying system. T. A. Federwitz and W. T. Bailey. 1,803,935; May 5.
Conveying system. T. A. Federwitz and W. T. Bailey. 1,804,406; May 12.
Conveying system. V. W. Fernekes and W. H. Ray. 1,804,923; May 12.
Conveying system. S. J. Finn. 1,826,759; Oct. 13.
Conveying system. O. Gergacsevics and O. Lohaus. 1,797,651; Mar. 24.
Cook device, Angle. F. P. Livingston. 1,801,816; Apr. 21.
Cooker. C. G. Bryson. 1,814,122; July 14.
Cooker. L. V. Johnson. 1,836,802; Dec. 15.
Cooker. H. C. Privett. 1,833,334; Nov. 24.
Cooker. C. Stehl. 1,803,877; May 5.
Cooker. M. F. Thau. 1,836,827; Dec. 15.
Cooker. R. H. Wentorf. 1,822,257; Sept. 8.
Cooker and cooler, Combined. A. R. Thompson. 1,818,110; Aug. 11.
Cooker and cooler, Continuous pressure. H. E. Brett. 1,836,641; Dec. 15.
Cooker and freezer, Combination. M. J. Belcher. 1,794,436; Mar. 3.
Cooker and toaster or like article, Combined. C. A. Schallis. Des. 84,760; July 28.
Cooker, Automatic. F. D. Chapman. 1,803,994; May 5.
Cooker, Continuous. F. D. Chapman. 1,806,609; May 26.
Cooker, Crystallizer. F. Lafeuille. 1,815,852; July 21.
Cooker, Electric. H. James. 1,814,754; July 14.
Cooker, Electric egg. A. O. Samuels. Des. 85,773; Dec. 15.
Cooker, Electrically heated. W. C. White. 1,814,103; July 14.
Cooker for fish reduction, Continuous. G. R. Henshall. 1,803,801; May 5.
Cooker, Pressure. J. H. Jacobs. 1,799,905–6; Apr. 7.
Cooker, Pressure. C. Nelson. 1,826,947; Oct. 13.
Cooker, Pressure steam. V. R. Rostek. 1,826,366; Oct. 6.
Cooker, Steam pressure. T. Hashimoto. 1,834,837; Dec. 1.
Cooker, Steam pressure. J. A. Smith. 1,809,079; June 9.
Cooker with heat and pressure. S. Rage. 1,820,325; Aug. 25.
Cooking apparatus. W. de Back. 1,828,961; Oct. 27.
Cooking apparatus. J. C. Bergner. 1,807,820; June 2.
Cooking apparatus. F. V. Detwiler. 1,802,005; Apr. 21.
Cooking apparatus. H. T. Hunter. 1,814,930; July 14.
Cooking apparatus. H. T. Hunter. 1,817,887; Aug. 4.
Cooking apparatus. H. T. Hunter. 1,823,146; Sept. 15.
Cooking apparatus. G. R. Le Saufage. 1,809,172; June 9.
Cooking apparatus. W. Noble. 1,819,301; Aug. 18.
Cooking apparatus. H. T. Rutherford. 1,837,924; Dec. 22.
Cooking apparatus. C. D. Starr. 1,804,129; May 5.
Cooking apparatus. G. B. Young. 1,790,631; Jan. 27.
Cooking apparatus, Turnover for automatic. J. H. Friedel. 1,808,215; June 2.
Cooking appliance, Electrically heated. T. Skutta. 1,831,889; Nov. 17.
Cooking device. C. F. Cookson. 1,817,351; Aug. 4.
Cooking fibrous material, System for. T. L. Dunbar. 1,814,027; July 14.
Cooking solutions, Process and apparatus for preconditioning. T. L. Dunbar. 1,832,367; Nov. 17.
Cooking utensil. G. E. Duncan. 1,791,889; Feb. 10.
Cooking utensil, Electrical. H. E. Brunhoff. 1,795,830; Mar. 10.
Cooking vessel. B. B. Johnson. 1,815,569; July 21.
Cookstove or range, Gas or electric cabinet. J. Teller and A. P. Schulz. Des. 85,354; Oct. 13.
Cooky case. M. L. Allen and J. O. Matthews. 1,787,809; Jan. 6.
Cooky display stand. H. Marsh. 1,821,313; Sept. 1.
Cooled development apparatus. W. G. Thompson and J. E. Jordan. 1,810,857; June 16.
Cooler: *See*—

Air cooler.	Kiln cooler.
Bottle cooler.	Liquid cooler.
Candy cooler.	Milk cooler.
Cream cooler.	Transformer cooler.
Drink cooler.	Vacuum cooler.
Fluid cooler.	Water cooler.

Cooler. P. S. Campbell. 1,835,463; Dec. 8.
Cooler. H. L. Miller. 1,816,984; Aug. 4.
Cooler. H. L. Miller. 1,821,846; Sept. 1.
Cooler contacting with circulating air. A. Lysholm and G. Cederstrand. 1,805,917; May 19.
Cooler for bottled goods. S. Kaye. Re18,291; Dec. 15.
Cooler for cream and other liquids. E. D. Berry. Re18,043; Apr. 14.
Cooler for refrigerating apparatus, Liquefied gas. J. R. Martin. 1,827,480; Oct. 13.
Cooler or can-tray unloader, Automatic R. Douglass. 1,793,596; Feb. 24.
Cooler or heater. C. Morrow. 1,790,015; Jan. 27.
Cooling. R. S. Blair. 1,788,506; Jan. 13.
Cooling and conditioning machine. T. Allsop. 1,807,580; June 2.
Cooling and heating beds, Arrangement for. A. Uhlig. 1,817,277; Aug. 4.
Cooling and ventilating airplane fans. F. H. Gallagher. 1,816,183; July 28.
Cooling and ventilating apparatus. A. B. Alldredge. 1,810,410; June 16.
Cooling and ventilating apparatus. A. M. Mertzanoff. 1,796,658; Mar. 17.
Cooling and ventilating apparatus. A. W. Stewart. 1,838,466; Dec. 29.
Cooling apparatus. F. J. Day. 1,805,809; May 19.
Cooling apparatus. G. A. Hillery. 1,791,814; Feb. 10.
Cooling apparatus. E. P. Maret and W. W. Wissmann. 1,798,266; Mar. 31.
Cooling apparatus. W. H. Sweetland. 1,829,072; Oct. 27.
Cooling apparatus, Car. D. Parker. 1,833,034; Nov. 24.
Cooling apparatus, Liquid. H. C. Kellogg. 1,826,791; Oct. 13.
Cooling apparatus for pulverulent or granular material. L. D. Parker. 1,789,021; Jan. 13.
Cooling apparatus for rotary kilns. F. Luther. 1,788,839; Jan. 13.
Cooling apparatus, Slag. P. W. Ausman. 1,803,886; May 5.
Cooling arrangement for electrical apparatus. J. L. Thompson. 1,800,163; Apr. 7.
Cooling brines, Apparatus for the preparation of. O. Dahl and E. A. H. Kjörstad. 1,791,022; Feb. 3.

Cooling coke. J. W. Reber. 1,827,612; Oct. 13.
Cooling device. E. Patrick. 1,815,864; July 21.
Cooling device. H. H. Schutz. 1,831,825; Nov. 17.
Cooling device for automotive brakes. S. G. Down. 1,805,655; May 19.
Cooling device for combustion gas turbines. H. Holzwarth. 1,805,093; May 12.
Cooling device for electric apparatus. L. Roebel. 1,798,702; Mar. 31.
Cooling device for food cabinets. S. M. Dunlap. 1,795,644; Mar. 10.
Cooling device for motors. A. J. Gifford and B. S. T. Bishop. 1,808,845; June 9.
Cooling drum, Rotary. H. G. R. Naumann. 1,806,490; May 19.
Cooling, heating, ventilating and humidifying system. A. Driscoll. 1,821,297; Sept. 1.
Cooling means, Electric transformer. J. L. Thompson. 1,808,617; June 2.
Cooling means, Engine. O. H. Spencer. 1,798,764; Mar. 31.
Cooling means for electric machines. W. R. Uggla. 1,803,570; May 5.
Cooling means for ingot molds. F. Cordes. 1,836,310; Dec. 15.
Cooling means for motors. G. T. Pfleger. 1,794,029; Feb. 24.
Cooling means for roller mills. K. B. Kilborn. 1,820,073; Aug. 25.
Cooling means for vehicle wheels. R. S. Wentworth. 1,805,792; May 19.
Cooling means, Furnace or heat treatment chamber. E. L. Smalley. 1,811,979; June 30.
Cooling of coking retorts and apparatus therefor. J. van Ackeren. 1,807,019; May 26.
Cooling of troughs, Method of and apparatus for regulating. F. G. Carrington. 1,796,644; Mar. 17.
Cooling passenger cars in stations. C. W. Galloway. 1,823,393; Sept. 15.
Cooling plant, Central. E. Jacob. 1,838,260; Dec. 29.
Cooling rotating electric machines. F. G. Baum. 1,802,865; Apr. 28.
Cooling scalp, Apparatus for. F. A. Hogrebe. 1,809,038; June 9.
Cooling system. W. A. Beimling and F. B. Peterson. 1,826,040; Oct. 6.
Cooling system. L. C. Nichols. 1,836,864; Dec. 15.
Cooling system. A. W. Pope, jr. 1,838,450; Dec. 29.
Cooling system. E. O. Schjolin. 1,826,405; Oct. 6.
Cooling system cleaner, Engine. J. J. Ludwig. 1,804,536; May 12.
Cooling system, Direct water-. H. C. Suekert. 1,799,768; Apr. 7.
Cooling system, Dynamo. H. H. Wait. 1,816,506; July 28.
Cooling system, Engine. L. P. Barlow. 1,787,562; Jan. 6.
Cooling system, Engine-. W. S. Fisher. 1,799,095; Mar. 31.
Cooling system for engines. J. Schulman. 1,806,712; May 26.
Cooling system for internal-combustion engines. J. Z. Brubaker. 1,789,540; Jan. 20.
Cooling system for internal-combustion engines. I. Ornberg. 1,791,572; Feb. 10.
Cooling system for internal combustion engines. W. E. Richard. 1,812,665; June 30.
Cooling system for internal combustion engines, Vapor. L. P. Barlow. 1,806,382; May 19.
Cooling system for marine and other engines. C. R. Foutz. 1,790,578; Jan. 27.
Cooling system for marine motors, Water. F. T. Irgens. 1,818,991; Aug. 18.
Cooling system for motors. H. A. Knox and B. F. Baker. 1,826,005; Oct. 6.
Cooling system, Internal combustion engine. W. H. Clegg. 1,815,240; July 21.
Cooling system, Internal-combustion-engine. A. F. Masury, W. P. Jupp, and R. G. Anderson. 1,791,139; Feb. 3.
Cooling tower. P. E. Flour. 1,829,744; Nov. 3.
Cooling tower. J. B. Harry. 1,825,453; Sept. 29.
Cooling tower. W. Weston. 1,826,912; Oct. 13.
Coop. O. F. Carpenter. 1,838,526; Dec. 29.
Cooling towers, Redistribution system for. J. F. Pritchard. 1,803,036; Apr. 28.
Cooling unit. W. E. Doughty. 1,798,373; Mar. 31.
Cooling unit. J. P. B. Fiske. Re17,989; Mar. 3.
Cooling unit. C. C. and A. M. Walsh. 1,830,305; Nov. 3.
Cooling unit for refrigerating systems. M. F. Booth. Re18,182; Sept. 8.
Cooling unit for refrigerating systems. M. F. Booth. 1,798,652; Mar. 31.
Cooling unit for refrigerating systems. E. H. Steedman. 1,818,015; Aug. 11.
Cooling unit for refrigerators. F. G. Slagel. 1,802,988; Apr. 28.
Cooling unit for refrigerators. F. G. Slagel. 1,824,575; Sept. 22.
Cooling-water regulator. J. Le Valley. 1,797,688; Mar. 24.
Coop, Chicken transportation. R. C. Aylor. 1,834,442; Dec. 1.
Coop or crate, Poultry. W. C. Dean. 1,807,972; June 2.
Coop, Poultry. L. A. Federer. 1,831,952; Nov. 17.
Cope and drag plate. A. K. Laukel. 1,794,778; Mar. 3.
Coping machine. W. R. Beatty. 1,796,356; Mar. 17.
Copper and steel, Composition of matter for use in welding. E. J. and N. E. Schaffner and K. E. Field. 1,787,553; Jan. 6.
Copper, Annealing sheet. G. A. Hempstead. 1,819,291; Aug. 18.
Copper, Apparatus for use in poling. W. F. Eppensteiner and J. Groom. 1,833,894; Dec. 1.
Copper boiler, Steel jacketed. A. H. Trageser and L. Hassinger. 1,817,857; Aug. 4.
Copper compounds of substantive azo dyestuffs. W. Hentrich, M. Hardtmann and J. Hilger. 1,837,266; Dec. 22.
Copper containing steels for structural and similar purposes, Hardening. F. Nehl. 1,835,667; Dec. 8.
Copper, Electrolytic separation of. M. Schlotter. 1,817,527; Aug. 4.
Copper-extraction process. W. E. Greenwalt. 1,798,255; Mar. 31.
Copper extraction process. W. E. Greenawalt. 1,808,547; June 2.
Copper extraction process. W. E. Greenawalt. 1,810,895; June 23.
Copper from copper bearing materials, Producing blister. G. C. Carson. 1,803,663; May 5.
Copper from slag, Recovering. M. G. Fowler, O. C. Ralston, and C. R. Kuzell. 1,822,588; Sept. 8.
Copper from waste copper lyes, Recovery of. W. Busch. 1,833,276; Nov. 24.
Copper hydroxide, Making. W. H. Furness. 1,800,828; Apr. 14.
Copper ingots and other articles, Apparatus for casting. D. R. Francis. 1,809,623; June 9.
Copper oxide cell. M. L. Martus and E. H. Becker. 1,824,250; Dec. 1.
Copper oxide rectifiers, Manufacture of. P. H. Geiger. 1,834,275; Dec. 1.
Copper refining, Pyrometallurgical. H. H. Stout. 1,817,935; Aug. 11.
Copper rich material, Treatment of. S. I. Levy. 1,805,100; May 12.
Copper sulphate from the waste liquors in the production of cuprammonium silk, Obtaining. A. Hartmann. 1,815,201; July 21.
Copy conditioning machine, Poster. W. R. Bell. 1,828,759; Oct. 27.
Copy-estimator's scale. C. A. Morris. 1,796,955; Mar. 17.
Copyholder. C. C. Harper and E. F. Kitendaugh. 1,807,982; June 2.
Copy holder for projection apparatus. R. A. Glaser. 1,811,123; June 23.
Copyholder, Spring back. A. W. Caps. 1,834,897; Dec. 1.
Copyholders, Intermittent operating mechanism for. C. R. Drake. 1,837,027; Dec. 15.
Copy-holding attachment for desks and the like. A. F. Randall. 1,798,809; Mar. 31.
Copying arrangement for commercial books. C. Herschel. 1,791,671; Feb. 10.
Copying machine. A. H. Gledhill. 1,795,718; Mar. 10.
Cord attachment for plugs and sockets. E. Rolker. 1,809,532; June 9.
Cord coiler, Electric-wire-. C. Klemann and E. F. Patton. 1,800,542; Apr. 14.
Cord, Compensating condyle. A. G. Bjorklund. 1,812,031; June 30.
Cord connection, Socket-cap. S. G. Blumensaadt and F. C. Castelli. 1,794,274; Feb. 24.
Cord coupling. H. D. Grinnell. 1,813,399; July 7.
Cord cutter. H. Hirsch. 1,795,394; Mar. 10.
Cord making machine, Ruff. H. P. Ruf. 1,801,388; Apr. 21.
Cord or rope holding device. S. Rothschild. 1,808,075; June 2.
Cord or the like and making the same, Pull. A. Brown. 1,793,994; Feb. 24.
Cord, Paper finishing. W. E. Sackner. 1,815,163; July 21.
Cord reel. H. S. Montgomery. 1,819,434; Aug. 18.
Cord, Tie. B. B. Epstein. 1,820,868; Aug. 25.
Cordage machines, Making round piles of sliver in. F. Engel. 1,825,784; Oct. 6.
Cords or strings, Apparatus for the manufacture of. R. Truesdale, R. C. Smith, and E. Simpson. 1,797,249; Mar. 24.
Core-bar extractor. H. Blackwell. 1,792,801; Feb. 17.
Core booking apparatus. H. L. Demmler. 1,822,205; Sept. 8.
Core box. A. K. Laukel. 1,836,977; Dec. 15.
Core box. J. B. Lukomski. 1,795,370; Mar. 10.
Core box, Electrodeposited. A. K. Laukel. 1,794,858; Mar. 3.
Core box, Electrodeposited. A. K. Laukel. 1,831,309; Nov. 10.
Core cap. W. H. Wickware. 1,812,421; June 30.
Core cap, Extension. E. W. Bebie. 1,802,694; Apr. 28.
Core catcher. R. G. Hamaker. 1,797,550; Mar. 24.
Core catcher. F. L. Scott. 1,830,681; Nov. 3.
Core catcher construction. J. T. Phipps. 1,825,123; Sept. 29.
Core catcher for well drills. F. L. Scott. 1,808,009; June 2.
Core, Coated. J. N. Selvig. 1,800,411; Apr. 14.
Core, Collapsible. F. L. Johnson. 1,817,515; Aug. 4.
Core covering apparatus. J. L. Alden. 1,804,911; May 12.
Core covering machine. G. F. McCahey. 1,805,494; May 19.

Core-covering material, Method of and apparatus for removing. C. A. Metzger. 1,800,950; Apr. 14.
Core drill. G. J. Barrett and S. Robichaux. 1,830,381; Nov. 3.
Core drill. E. S. Hartson. 1,810,208; June 16.
Core drill. W. H. Harvey. 1,790,542; Jan. 27.
Core drill. H. C. Johansen. 1,796,950; Mar. 17.
Core drill. J. S. Mitchell. 1,806,079; May 19.
Core drill. J. S. Mitchell. 1,834,583; Dec. 1.
Core drill. E. A. Spencer, jr. 1,835,189; Dec. 8.
Core drill. G. O. Suman. 1,834,320;; Dec. 1.
Core drill. J. C. Wright and L. F. Bonney. 1,813,375; July 7.
Core drill construction. F. C. Merritt. 1,837,469; Dec. 22.
Core drill head assembly. C. T. Allen. 1,801,789; Apr. 21.
Core drill, Hydraulic. L. H. Wellensiek. 1,830,685; Nov. 3.
Core drill, Roller. L. H. Wellensiek. 1,793,533; Feb. 24.
Core drill with auxiliary reamer. J. A. Zublin and F. A. Pilgrim. 1,815,391; July 21.
Core drilling attachment. G. S. Fosnaugh and H. H. Thrasher. 1,804,682; May 12.
Core engaging device. R. O. Anderson. 1,807,953; June 2.
Core extractor, Hydraulic. R. C. Baker. 1,794,356; Mar. 3.
Core filler. G. Lange. 1,824,089; Sept. 22.
Core for concrete and other plastic works, Collapsible. C. L. Heath. 1,801,346; Apr. 21.
Core for electromagnets, Metallic. E. Hochheim and W. Schubardt. 1,838,831; Dec. 29.
Core for metal casting molds. C. L. Lee and T. C. Van Degrift. 1,812,491; June 30.
Core for molding hollow rubber articles. G. W. Trobridge. 1,836,997; Dec. 15.
Core forming mechanism. R. N. Brown. 1,808,630; June 2.
Core, Foundry. R. Earl, jr. 1,831,555; Nov. 10.
Core lifter. L. H. Wellensiek. 1,791,256; Feb. 3.
Core, Magnetic. A. Boyajian. 1,834,898; Dec. 1.
Core making apparatus. C. K. Prince. 1,801,978; Apr. 21.
Core, Mass. E. Kramer. 1,832,937; Nov. 24.
Core, Radiator. A. B. Medville. 1,821,562; Sept. 1.
Core, Radiator dummy. N. Walker and C. H. Lake. 1,833,449; Nov. 24.
Core removing device. J. Hourigan. 1,814,928; July 14.
Core structure for paper rolls. P. D. Parsons. 1,839,047; Dec. 29.
Core wrapping machine. J. H. Graham and G. G. Gunderson. 1,819,746; Aug. 18.
Corer. H. A. Hayden. 1,834,156; Dec. 1.
Corer and slicer, Grapefruit. R. Smith. 1,794,800; Mar. 3.
Cores in bore holes, Recording the inclination and the angular position of. A. G. H. Straatman. 1,825,213; Sept. 29.
Coring and slicing device. R. Gutzke. 1,818,848; Aug. 11.
Coring machine. W. A. Chapman, E. J. Machemer, and F. J. Paul. 1,815,730; July 21.
Coring machine, Artichoke. G. D. Gardner. 1,802,972; Apr. 28.
Cork. M. T. R. Maynard. 1,825,006; Sept. 29.
Cork feeder. A. I. Risser. 1,807,673; June 2.
Cork, Manufacturing artificial. E. Vincke. 1,820,411; Aug. 25.
Cork product and making the same. E. Vincke. 1,802,852; Apr. 28.
Corn rickers, Anticlogging device for. C. H. Peterson. 1,821,985; Sept. 8.
Cork sterilizer cage. H. Weber. 1,816,923; Aug. 4.
Corn, Device for trimming. H. A. Sheldon. 1,807,348; May 26.
Corn harvesting apparatus. M. E. Kraxberger. Re18,159; Aug. 18.
Corn harvesting machine. A. Pospishil. 1,838,498; Dec. 29.
Corn harvesting machine. P. T. Woodland. 1,819,631; Aug. 18.
Corn huller, Green-. L. A. Hurlburt. 1,799,588; Apr. 7.
Corn picker. L. A. Paradise and W. J. Coultas. 1,830,332; Nov. 3.
Corn picker and husker. P. F. Kurtenbach. 1,799,982; Apr. 7.
Corn picker rolls, Attachment for. J. Stadtherr. 1,830,772; Nov. 10.
Corn picker, Two row. E. L., and R. Glover. 1,806,624; May 26.
Corn pickers, Crating and shipping. T. H. Oppenheim. 1,837,062; Dec. 15.
Corn picking machine. A. J. Synck. 1,833,138; Nov. 24.
Corn popper. S. L. Long. 1,836,479; Dec. 15.
Corn popper. J. V. Nelson. 1,826,948; Oct. 13.
Corn popper. S. Nelson. 1,803,204; Apr. 28.
Corn popper, Electric. H. G. Heckmann. Des. 83,326; Feb. 17.
Corn popper, Self-cleaning. J. H. Reichart. 1,789,157; Jan. 13.
Corn removing device. D. Pétard. 1,817,579; Aug. 4.
Corn server. B. C. Berry. 1,801,653; Apr. 21.
Corn sheller. W. Stricker. 1,792,518; Feb. 17.
Corn silker. F. D. Chapman. 1,834,047; Dec. 1.
Corn thinner. A. H. Rosen. 1,826,365; Oct. 6.
Corner bar for store front constructions. W. Asmus. 1,834,512; Dec. 1.
Corner bead with attachments, Metal. J. R. Midcap. 1,825,914; Oct. 6.
Corner beads, Manufacture of. G. W. Baker. 1,813,477; July 7.
Corner block. A. E. Jackson. 1,830,108; Nov. 3.
Corner brace. H. W. Smith. 1,787,598; Jan. 6.
Corner connection for metal frames. I. A. Baum. 1,826,981; Oct. 13.
Corner connection for wall boards, Exterior. D. McChesney. 1,804,564; May 12.
Corner connection, Metal. I. A. Baum. 1,808,754; June 9.
Corner frame strips, Fastening means for. T. R. Wilson. 1,820,206; Aug. 25.
Corner illuminating means, Vertical. K. R. Crumpton. 1,821,693; Sept. 1.
Corner joint. J. M. Kaufman. 1,824,900; Sept. 29.
Corner member, Structural. B. E. Crowell. 1,836,792; Dec. 15.
Corner piece for frame strips. T. R. Wilson. 1,820,205; Aug. 25.
Corner-piece for store-front construction. F. Himmel and I. Himmel. Des. 85,824; Dec. 22.
Corners on book covers, Device for forming round. J. W. Anthony. 1,833,702; Nov. 24.
Cornice and pilaster, Combination. W. T. Hormes. Des. 84,037; Apr. 28.
Corns, Treating and protecting. M. P. Kaufman. 1,806,998; May 26.
Cornstalk cutter. G. S. Guerin. 1,787,677; Jan. 6.
Cornstalk fiber composition, Making. S. A. Gill. 1,814,751; July 14.
Cornstalks, Separating the pith and fiber of. E. R. Darling. 1,790,001; Jan. 27.
Corn-turner-adjusting means. W. D. Meltzer. 1,792,857; Feb. 17.
Corrosion eliminator, Battery. E. R. McMorris. 1,796,156; Mar. 10.
Corrosion in oil wells, Prevention of. J. C. Walker. 1,829,705; Oct. 27.
Corrosion in pipes, Preventing. M. W. Baden. 1,804,078; May 5.
Corrosion-retarding compound and making the same. O E. Andrus and M. A. Mafush. 1,800,881; Apr. 14.
Corrosive agents from hydrocarbon oils, Removing. R. K. Stratford, J. McIntyre and H. H. Moor. 1,838,031; Dec. 22.
Corrugated pot. C. H. Stevenson. 1,825,556; Sept. 29.
Corrugated sheets, Apparatus and method for making F. W. Barth. 1,794,435; Mar. 3.
Corrugating machine. A. B. Saunders. 1,834,648; Dec. 1.
Corrugating machine. J. Wagner. 1,804,661; May 12
Corrugator. K. Sieg. 1,835,816; Dec. 8.
Corselet. L. M. Wessell. 1,789,796; Jan. 20.
Corset. C. C. Koford. 1,807,159; May 26.
Corset. Y. Saynisch. 1,812,758; June 30.
Corset. M. H. Wittenberg. 1,803,822; May 5.
Corset, Maternity. C. T. Davis. 1,817,408; Aug. 4.
Corset and brassière, Combination. L. J. Mead. 1,836,382; Dec. 15.
Corset and the like. G. E. Hawes. 1,837,865; Dec. 22.
Cosmetic appliance. M. and A. E. Sierad. 1,833,541; Nov. 24.
Cosmetic container. P. A. Reutter. 1,820,949; Sept. 1.
Cosmetic jar. J. J. Bauman. Des. 84,455; June 23.
Cosmetics, etc., Container for. J. W. Jennings. 1,793,550; Feb. 24.
Costumer. L. R. Zifferer. Des. 83,229; Feb. 3.
Cot, Beach. M. Friedlander and W. T. Baker. 1,813,046; July 7.
Cot, Folding. F. G. Manly. 1,806,358; May 19.
Cot, Folding double. C. C. Chittim. 1,815,495; July 21.
Cots or the like, Attachment for. H. T. De Long and J. W. Hyer. 1,788,370; Jan. 13.
Cotter key puller. C. H. Buckle and G. R. McPhail. 1,812,682; June 30.
Cotter pin. S. J. Strid. 1,799,934; Apr. 7.
Cotter pin puller. G. T. Cooke. 1,814,830; July 14.
Cotton and artificial silk, Treatment of. P. Karrer and W. Wehrli. 1,824,671; Sept. 22.
Cotton and producing the same, Nonexplosive, noninflammable, soluble. F. S. Vivas. 1,822,254; Sept. 8.
Cotton bales, Method of and apparatus for storing and handling. C. A. Bertel. 1,810,100; June 16.
Cotton baling machinery. A. S. Mackenzie. 1,809,520; June 9.
Cotton boll gatherer. L. C. Stukenborg. 1,826,101; Oct. 6.
Cotton chopper. E. T. Davis. 1,833,604; Nov. 24.
Cotton chopper. G. P. Pardue. 1,820,153; Aug. 25.
Cotton chopper. A. A. Pearce. 1,828,615; Oct. 20.
Cotton chopper. H. Taylor. 1,808,871; June 9.
Cotton chopper. F. A. Veselka. 1,806,376; May 19.
Cotton cleaner. W. L. Hancock. 1,799,556; Apr. 7.
Cotton cleaner, Spiral cone. E. A. Johnston. 1,832,028; Nov. 17.
Cotton comber. D. Barker. 1,826,494; Oct. 6.
Cotton feeding, separating, and cleaning machine. J. E. Mitchell. 1,802,614–15; Apr. 28.
Cotton gatherer. W. R. Boone. 1,789,803; Jan. 20.
Cotton gin. F. B. Williams. 1,831,275–6; Nov. 10.

Cotton gins, Vibrating doffer for. H. Owen. 1,795,794; Mar. 10.
Cotton harvesting machine. G. R. Meyercord and O. H. Basquin. 1,824,223; Sept. 22.
Cotton opening and picking system. R. S. Curley. 1,814,129; July 14.
Cotton picker. B. R. Benjamin. 1,801,996; Apr. 21.
Cotton picker. C. R. Berry. 1,810,411; June 16.
Cotton picker. H. N. Berry. 1,810,386; June 16.
Cotton picker. J. M. Hood. 1,794,293; Feb. 24.
Cotton picker. N. F. Higgins. 1,805,310; May 12.
Cotton picker. E. A. Johnston, D. B. Baker, and D. R. Ake. 1,802,021; Apr. 21.
Cotton picker. E. A. Johnston and D. B. Baker. 1,802,022; Apr. 21.
Cotton picker. J. Kent. 1,793,426; Feb. 17.
Cotton picker. T. R. Post. 1,807,751; June 2.
Cotton picker head. F. H. Watson. 1,828,581; Oct. 20.
Cotton picker head, Air driven. O. Onsrud. 1,836,547; Dec. 15.
Cotton picking and gathering machine. M. L. Osborn. 1,819,438; Aug. 18.
Cotton picking device. N. T. Kesler and T. Forby. 1,832,221; Nov. 17.
Cotton picking machine. W. S. Hobson. 1,819,242; Aug. 18.
Cotton picking machine. J. O. B. Palmer. 1,836,128; Dec. 15.
Cotton picking mechanism. J. Bardwell and H. G. Prouty. 1,834,994; Dec. 8.
Cotton press. J. J. Wallace. 1,810,064; June 16.
Cotton seed cleaner. L. Simons. 1,823,575; Sept. 15.
Cotton-topping apparatus. J. S. Matthews. 1,790,105; Jan. 27.
Cotton trampers, Feeder for. T. Elliott. 1,788,620; Jan. 13.
Cotton with air-blast gins, Ginning. C. A. Bennett. 1,827,183; Oct. 13.
Couch, Adjustable invalid. H. J. Müller. 1,790,435; Jan. 27.
Couch and bed, Combination. J. Martin. 1,811,057; June 23.
Couch and the like, Folding. W. E. Frank. 1,798,462; Mar. 31.
Couch bed, Folding. J. Basile. 1,838,293; Dec. 29.
Counter. H. J. Moser. 1,793,506; Feb. 24.
Counter and holder, Coin. F. H. Read. 1,795,967; Mar. 3.
Counter and making the same. A. Blustein. 1,787,610; Jan. 6.
Counterbalance. F. J. Wood. 1,825,610; Sept. 29.
Counterbalance for power drills, Adjustable spring. L. F. Meunier. 1,822,231; Sept. 8.
Counterbalance for pumping rigs. F. Graham. 1,807,337; May 26.
Counterbalance for stove door. C. E. Klein. 1,815,848; July 21.
Counterbalancing device. H. Moecker, jr., and H. B. Isaac. 1,828,675; Oct. 20.
Counter, Beverage dispensing. M. L. Wiener. 1,839,070; Dec. 29.
Counter bin. A. C. Visel. 1,821,083; Sept. 1.
Counter construction. G. K. Lewis. 1,829,285; Oct. 27.
Counter construction, Lunch. G. W. Stace. 1,833,693; Nov. 24.
Counter construction, Metal. A. Vanderveld. 1,830,045; Nov. 3.
Counter, Display. F. De Wilde. 1,790,499; Jan. 27.
Counter, Display. K. S. Kuehn. 1,790,383; Jan. 27.
Counter-evaporator. R. G. Osborn. 1,818,740; Aug. 11.
Counterflow carburizing machine. H. H. Harris. 1,819,509; Aug. 18.
Counterflow furnace. V. A. Hain. 1,792,423; Feb. 10.
Counter liner and heel cushion, Combined. J. D. Langdon. 1,808,992; June 9.
Counter molding machine. R. A. Lancey. 1,825,964; Oct. 6.
Counter molding machine. J. H. Stewart. 1,814,611; July 14.
Counter, Refrigerator. W. C. Whitcher. 1,808,443; June 2.
Counter, Revolution. F. Lüthi. 1,836,178; Dec. 15.
Counter rolling machine. A. Blustein. 1,803,092; Apr. 28.
Counter stiffener. C. D. Malaguti. 1,824,358; Sept. 22.
Counter, Store. C. E. Rorrer and A. R. Mitterer. Des. 85,769; Dec. 15.
Counter structure, Bank. E. A. Ekedahl. 1,819,253; Aug. 18.
Counter, Totalizing. F. B. Troutman. 1,823,960; Sept. 22.
Counterweight. J. L. Osborne. 1,794,535; Mar. 3.
Counterweight for car dumpers, External. W. E. Erickson. 1,812,040; June 30.
Counting and indicating device. J. M. Dayton. 1,826,603; Oct. 6.
Counting and stacking machine, Can end. L. L. Jones. 1,803,621; May 5.
Counting apparatus, Fruit-. W. C. Scheu, U. and J. H. Hemmerly. 1,795,511; Mar. 10.
Counting device, Mechanical. F. W. Dwyer. 1,795,085; Mar. 10.
Counting machine. C. Vogt. 1,808,270; June 2.
Counting machine, Coin. J. Janovsky and J. J. Lange. 1,811,503; June 23.
Counting mechanism for calculating machines and the like. H. Huber. 1,808,720; June 2.
Counting or registering apparatus. F. W. Francis and W. Cruickshank. 1,789,811; Jan. 20.
Counters and the like, Automatic feeding mechanism for. L. Scher. 1,820,680; Aug. 25.
Coupé, Convertible. L. Bresee. 1,796,918; Mar. 17.
Coupler. A. D. Booth. 1,816,206; July 28.
Coupler. S. C. Duty. 1,804,973; May 12.
Coupler. H. J. M. Howard. 1,801,157; Apr. 14.
Coupler. F. H. Kayler. 1,807,243; May 26.
Coupler. W. F. Richards. 1,789,659; Jan. 20.
Coupler, Automatic air and steam. J. G. Turrin. 1,789,792; Jan. 20.
Coupler, Car. W. Kelso. 1,825,907; Oct. 6.
Coupler, Car and electrode. H. E. Van Dorn. 1,819,213; Aug. 18.
Coupler, Combined car and electric. H. E. Van Dorn. 1,819,214; Aug. 18.
Coupler, Combined car and fluid. H. E. Van Dorn. 1,790,290; Jan. 27.
Coupler device, Electric. H. F. Woernley. 1,832,887; Nov. 24.
Coupler, Electric. H. E. Van Dorn. 1,790,292; Jan. 27.
Coupler for air line hose of railway cars, Automatic. J. Hoffsinger. 1,804,509; May 12.
Coupler for hose or pipe ends. E. E. Gold. 1,792,490; Feb. 17.
Coupler for ice manufacturing apparatus. G. Lange. 1,828,811; Oct. 27.
Coupler for trailers, Flexible. W. O. Day and F. S. Martin. 1,796,087; Mar. 10.
Coupler, Hose. E. H. Gold and E. A. Russell. 1,820,535; Aug. 25.
Coupler, Hose or pipe. E. E. Gold. 1,826,770; Oct. 13.
Coupler, Lightning rod. E. C. Cripe. 1,808,595; June 2.
Coupler mechanism, Car. W. Kelso. 1,825,908; Oct. 6.
Coupler, Pipe. L. H. Church. 1,809,582; June 9.
Coupler positioning device. G. G. Gilpin. 1,813,538; July 7.
Coupler unlatching device. U. A. Whitaker. 1,806,567; May 19.
Coupler yoke. G. T. Johnson. 1,803,802; May 5.
Coupling: *See*—

Amplifier coupling.
Automatic coupling.
Automatic slip coupling.
Automatic train pipe coupling.
Cable coupling.
Car coupling.
Compression coupling.
Conduit coupling.
Cord coupling.
Electric coupling.
Fence panel coupling.
Flexible coupling.
Fluid-tight coupling.
Friction coupling.
Grease can coupling.
Grease-gun coupling.
Harvester thrasher coupling.
Hose coupling.
Implement coupling.
Impulse coupling.
Insulated coupling.
Insulator coupling.
Line coupling.
Mechanical coupling.
Pipe coupling.
Pipe or rod coupling.
Piston rod coupling.
Rail coupling.
Rod coupling.
Screw coupling.
Shaft coupling.
Steel coupling.
Swivel coupling.
Threadless pipe coupling
Tool coupling.
Tractor and trailer coupling.
Trailer coupling.
Train pipe coupling.
Tube and pipe coupling.
Universal coupling.
Valve coupling.
Vehicle tongue coupling.
Wire coupling.

Coupling. W. A. Bates. 1,800,045; Apr. 7.
Coupling. W. W. Blakely. 1,822,389; Sept. 8.
Coupling. J. Bozowich. 1,802,497; Apr. 28.
Coupling. W. Dauble. 1,835,471; Dec. 8.
Coupling. E. W. Davis. 1,796,833; Mar. 17.
Coupling. E. W. Davis. 1,812,038; June 30.
Coupling. E. W. Davis. 1,825,941; Oct. 6.
Coupling. G. Davis. 1,788,565; Jan. 13.
Coupling. J. G. Hawley. 1,817,255; Aug. 4.
Coupling. K. C. and C. W. Hazlett. 1,805,580; May 19.
Coupling. C. M. Heeter. 1,832,024; Nov. 17.
Coupling. C. W. Hoover. 1,806,687; May 26.
Coupling. J. E. Johnson. 1,822,149; Sept. 8.
Coupling. D. H. Koch and I. T. Slaton. 1,818,261; Aug. 11.
Coupling. B. J. Mahoney. 1,828,505; Oct. 20.
Coupling. S. A. Marston. 1,801,872; Apr. 21.
Coupling. G. C. Morangier. 1,802,523; Apr. 28.
Coupling. H. A. Pallady. 1,796,159; Mar. 10.
Coupling. W. E. Phillips. 1,802,572; Apr. 28.
Coupling. E. F. Pierce. 1,797,363; Mar. 24.
Coupling. W. S. Reed. 1,799,317; Apr. 7.
Coupling. J. B. Replogle. 1,800,753; Apr. 14.
Coupling. P. T. Robin. 1,807,636; June 2.
Coupling. M. Schnaier. 1,837,888; Dec. 22.
Coupling. I. Short. 1,807,798; June 2.
Coupling. H. E. Sipe. 1,817,776; Aug. 4.
Coupling. J. Wahl and O. Melzer. 1,797,383; Mar. 24.
Coupling. J. J. N. Wismer. 1,792,956; Feb. 17.
Coupling and constructing the same, Tubular. H. E. Sipe. 1,817,774; Aug. 4.
Coupling and mounting member for fixtures and the like. F. A. Stirrup. 1,810,229; June 16.
Coupling and support, Pipe. E. Clark. 1,813,528; July 7.

Coupling and tool joint, Pipe. C. L. Patterson. 1,814,183; July 14.
Coupling and valve. W. R. Johnson. 1,809,127; June 9.
Coupling and valve arrangement, Train pipe. S. A. Glynn. 1,827,286; Oct. 13.
Coupling arrangement. M. Latour. 1,791,965; Feb. 10.
Coupling, Automatic slip. L. Ferenci. 1,805,692; May 19.
Coupling, Automatic train pipe. G. W. Rummel. 1,805,676; May 19.
Coupling between carrier and transmission lines. E. I. Green. 1,815,976; July 28.
Coupling between sections of coaster cars, Universal. C. E. Phare. 1,796,619; Mar. 17.
Coupling boring and threading machine. F. H. Bogart. 1,817,668; Aug. 4.
Coupling connection. F. Schulder. 1,825,825; Oct. 6.
Coupling connection for filling lines of underground tanks. A. W. Wheaton. 1,830,973; Nov. 10.
Coupling device. H. Bach. 1,820,644; Aug. 25.
Coupling device. J. L. Becker. 1,814,427; July 14.
Coupling device. F. H. Cross and G. J. Ruf. 1,806,788; May 26.
Coupling device. B. L. Cummings and A. W. Harris. 1,806,540; May 19.
Coupling device. F. A. Davidson. 1,830,094; Nov. 3.
Coupling device. F. A. Davidson. 1,835,473; Dec. 8.
Coupling device. C. E. Hoppes. 1,821,182; Sept. 1.
Coupling device. H. O. Lindaas. 1,829,959; Nov. 3.
Coupling device. H. J. Neufang and W. S. Waldo. 1,813,075; July 7.
Coupling device. H. T. Stevenson. 1,792,128; Feb. 10.
Coupling device adapted to be used for engraving machines. E. W. Heward. 1,789,366; Jan. 20.
Coupling device, Automatic. C. C. Farmer. 1,790,209; Jan. 27.
Coupling device, Car-. V. Wroclawski. 1,788,788; Jan. 13.
Coupling device, Disengageable. L. Lasselsberger. 1,825,357; Sept. 29.
Coupling device, Metallic. H. E. Sipe. 1,817,775; Aug. 4.
Coupling flanges, Producing. J. Sorensen. 1,817,854; Aug. 4.
Coupling for agricultural implements, Draft. A. Ghisolfo. 1,837,426; Dec. 22.
Coupling for chains and the like. F. Steigenberger. 1,802,224; Apr. 21.
Coupling for circulating coils. A. Friedman. 1,813,284; July 7.
Coupling for conduits, Flanged. C. Benz. 1,817,289; Aug. 4.
Coupling for connecting pump rods and plungers. L. P. Burgess. 1,827,188; Oct. 13.
Coupling for electrical fixtures. W. A. Adams. 1,822,260; Sept. 8.
Coupling for flexible hose, Packingless. J. N. White. 1,793,887; Feb. 24.
Coupling for hose, pipe, or other conductors. P. Stauffer. 1,808,382; June 2.
Coupling for jack-actuating handles, Universal. W. H. Webster. 1,799,488; Apr. 7.
Coupling for lens mounts. W. F. Fouquet. 1,831,557; Nov. 10.
Coupling for lubricating systems. J M. Smith. 1,835,347; Dec. 8.
Coupling for magnetos, Automatic impulse. L. F. Burger. 1,793,586; Feb. 24.
Coupling for pipe lines. H. J. Burnish and C. S. Smith. 1,830,782; Nov. 10.
Coupling for pipes or hoses, Disengageable. A. E. Dräger. 1,788,282; Jan. 6.
Coupling for plain end pipes, Pipe. J. Clark. 1,813,529; July 7.
Coupling for pneumatic tubes, etc. A. Z. Mample. 1,799,855; Apr. 7.
Coupling for pumping fire engines. F. J. Harris. 1,827,579; Oct. 13.
Coupling for radio systems, Selective. L. W. Chubb. 1,792,276; Feb. 10.
Coupling for reenforced flexible hose. J. N. White. 1,801,403; Apr. 21.
Coupling for rods and other metallic bodies. F. H. Thorpe. 1,833,008; Nov. 24.
Coupling for rotary drills, Nonplugging. B. E. Parrish and F. Paquet. 1,793,958; Feb. 24.
Coupling for separable members. O. L. Beardsley. 1,826,982; Oct. 13.
Coupling for sewer rod sections. G. W. Beacher. 1,803,227; Apr. 28.
Coupling for splicing device for curtain poles and ornaments therefor. C. W. Kirsch. 1,829,147; Oct. 27.
Coupling for toy aeroplanes, Flexible propeller-shaft. R. T. Daniel. 1,795,165; Mar. 3.
Coupling for tractors and trailers, Draft. R. J. Burrow. 1,807,379; May 26.
Coupling for tractors, Implement. J. I. Slattery. 1,802,285; Apr. 21.
Coupling head, Automatic train pipe. A. A. Leclerc. 1,819,372; Aug. 18.
Coupling-head liner. J. Robinson. 1,792,189; Feb. 10.
Coupling in an apparatus for extruding matter. J. E. Boynton. 1,826,725; Oct. 13.
Coupling key. L. A. Paradise. 1,816,492; July 28.
Coupling means for electric armored cable. S. Kanner. 1,796,846; Mar. 17.
Coupling means for heaters. C. H. Morrow. 1,815,722; July 21.
Coupling means, Lubricator. V. A. Boker. 1,806,278; May 19.
Coupling mechanism. W. R. Hungerford. 1,820,703; Aug. 25.
Coupling member. A. Friedman. 1,817,615; Aug. 4.
Coupling member for conduit rods, pump rods, etc. F. W. Fuchs. 1,807,782; June 2.
Coupling or clamp for scaffolding or other purposes. T. P. Hingley. 1,834,838; Dec. 1.
Coupling or T for use in connection with oil well tubing. S. P. Tschappat. 1,804,290; May 5.
Coupling pin. F. Fredendall. 1,805,138; May 12.
Coupling system, Electric. C. E. Trube. 1,798,962; Mar. 31.
Coupling system, Electrical. F. A. Kolster. 1,801,352; Apr. 21.
Couplings, Apparatus for making pipe. J. Lamond. 1,815,107; July 21.
Couplings, Making. E. E. Johnson. 1,814,703; July 14.
Coupon cutter. K. Takamatsu. 1,817,428; Aug. 4.
Coupon filing and canceling device. J. H. McGehee. 1,796,873; Mar. 17.
Couplings, Fluid controlled means for automatic train pipe. U. A. Whitaker. 1,837,349; Dec. 22.
Couplings or clamps for scaffolding or other purposes, Construction of. T. P. Hingley. 1,834,839; Dec. 1.
Coupon or the like, Trade. L. W. Patch and A. K. McRae. Des. 83,910–11; Apr. 14.
Coupon printer, Telegraph. E. J. Sortore. 1,801,884; Apr. 21.
Coupons and the like, Cutting bond. C. T. Bach. 1,830,688; Nov. 3.
Course finding system for aircraft. H. W. Kline. 1,827,590; Oct. 13.
Course indicator for aircraft. A. J. McGrath. 1,821,844; Sept. 1.
Cover and forming and applying same, Container. F. O'Neill, jr. 1,828,906; Oct. 27.
Cover and fountain shaving mugs, Suction cup. H. R. Priest. 1,833,435; Nov. 24.
Cover and frame and the like, Manhole. V. Elkington 1,820,127; Aug. 25.
Cover and polisher device for brooms. M. C. McCarville. 1,836,677; Dec. 15.
Cover and protector for shades. D. W. Causey. 1,825,334; Sept. 29.
Cover, Article. J. Fleck. 1,822,519; Sept. 8.
Cover assembling machine. J. Ross. 1,829,111; Oct. 27.
Cover assembly, Oil-filter-. C. W. McKinley. 1,798,947; Mar. 31.
Cover-attaching means for pressing boards. P. J. Poser. 1,789,282; Jan. 13.
Cover, Automobile. H. Svihla. 1,804,131; May 5.
Cover, Automobile seat. S. Bloomfield. 1,836,302; Dec. 15.
Cover, Boiler. R. F. Carpenter. 1,807,058; May 26.
Cover, Book. H. N. Feley. 1,810,952; June 23.
Cover, Book. A. M. De S. Greaves. Des. 84,779; Aug. 4.
Cover, Book. F. S. Schade. 1,826,259; Oct. 6.
Cover, Book. J. Schade. 1,808,179; June 2.
Cover, Box. A. W. Miner. 1,818,266; Aug. 11.
Cover, brush holder, and squeezer for liquid containers. M. Lerum. 1,838,490; Dec. 29.
Cover, Card-table. H. Kommel. Des. 83,407; Feb. 17.
Cover, Check book. G. Duebelbeis. 1,818,210; Aug. 11.
Cover, Child's bed. F. C. J. Schmidt. 1,802,540; Apr. 28.
Cover closure. M. Garbell. 1,807,910–11; June 2.
Cover, Container. R. C. Euwer. 1,808,345; June 2.
Cover, Container. F. O'Neill, jr. 1,793,632; Feb. 24.
Cover, Container. H. T. Reynolds. 1,811,967; June 30.
Cover, Detachable filter. L. P. Sterling. 1,805,455; May 12.
Cover device for washing machines and the like. W. K. Voss. 1,791,544; Feb. 10.
Cover, Dial. C. J. Goebel and C. Bartels. 1,829,444; Oct. 27.
Cover, Flowerpot. A. A. Snyder. 1,794,212; Feb. 24.
Cover for a powder box. P. C. Delaize. Des. 85,734; Dec. 15.
Cover for a water closet flush tank. B. O. Tilden. Des. 85,606; Nov. 17.
Cover for automobile seats, Slip. J. W. Whaley. 1,817,404; Aug. 4.
Cover for automobiles, Protective. A. Rush. 1,801,247; Apr. 14.
Cover for automobile door handles. G. H. Bos. 1,830,383; Nov. 3.
Cover for automobile doors. C. E. Robinson. 1,833,474; Nov. 24.
Cover for automobile seats. G. E. Seely. 1,833,797; Nov. 24.
Cover for bathtubs and other plumbing fixtures, Temporary. G. M. Gould. 1,790,806; Feb. 3.
Cover for bell and spigot pipe joints, Leakproof. R. M. McCalley. 1,834,102; Dec. 1.
Cover for binders. O Seguin. 1,788,208; Jan. 6.
Cover for caps, Waterproof. D. F. McKinnon. Des. 85,193; Sept. 22.
Cover for closable carriers. W. G. Paden. 1,796,475; Mar. 17.
Cover for cockpits, Adjustable. J. L. Pivak. 1,806,366; May 19.

Cover for containers. T. W. Miller and A. D. Greene. 1,819,913; Aug. 18.
Cover for dump-body vehicles. H. W. Helms. 1,798,736; Mar. 31.
Cover for dumping bodies, Portière-type. L. E. Williams. 1,792,789; Feb. 17.
Cover for egg cases. O. H. Johnson. 1,836,122; Dec. 15.
Cover for flush tanks. B. O. Tilden. 1,835,540; Dec. 8.
Cover for ice cream boxes, Surface. R. Singer. 1,833,918; Dec. 1.
Cover for loose-leaf binders. C. D. Trussell. 1,790,779; Feb. 3.
Cover for loose leaf books. C. D. Trussell. 1,822,552; Sept. 8.
Cover for manholes, etc. F. W. Meyer. 1,788,118; Jan. 6.
Cover for milk bottles, Removable pouring. W. Gadke. 1,811,080; June 23.
Cover for pickles, etc. P. K. Basmadjian. 1,818,924; Aug. 11.
Cover for plumbing fixtures, Protective. J. H. McCann. 1,793,815; Feb. 24.
Cover for plumbing fixtures, Protective. J. H. McCann. 1,826,010; Oct. 6.
Cover for receptacles. A. J. Weatherhead, jr. 1,815,603; July 21.
Cover for screw shafts. J. F. Haberlin. 1,813,352; July 7.
Cover for seat side arms. W. L. Fry. 1,809,292; June 9.
Cover for ships, Hatch. W. J. Lovett. 1,795,786; Mar. 10.
Cover for ships' hatchways. E. E. von Tell. 1,821,595; Sept. 1.
Cover for ships, Steel hatch. R. MacGregor. 1,824,910; Sept. 29.
Cover for spare tires of automobiles. G. A. Lyon. 1,807,697; June 2.
Cover for suction boxes of paper making machines. A. J. Morin. 1,822,363; Sept. 8.
Cover for temporary binder. C. D. Trussell. 1,802,794; Apr. 28.
Cover for the discharge openings of concrete mixing drums. J. Eggert. 1,825,614; Sept. 29.
Cover for the mouths of bottles, Protective. E. Kleist. 1,820,144; Aug. 25.
Cover for the top burner portion of stoves, Swinging. A. Stockstrom. 1,833,760; Nov. 24.
Cover for third rail and other electric conductors. H. L. Rogers. 1,813,200; July 7.
Cover for tie rods or the like, Dust. F. C. Crawford. 1,788,381; Jan. 13.
Cover for tie rods or the like, Dust. G. H. Hufferd. 1,809,971; June 16.
Cover for urinals, Seam. J. Simpson. 1,838,580; Dec. 29.
Cover for vehicles and the like, Canvas. X. Seitz. 1,809,455; June 9.
Cover, Furniture. J. Levi. 1,825,909; Oct. 6.
Cover, Glass top display. W. R. Bertels. 1,838,246; Dec. 29.
Cover, Grave box. J. P. Harner. 1,821,635; Sept. 1.
Cover, Hinged book. C. D. Trussell. 1,791,693; Feb. 10.
Cover, Hinged book. C. D. Trussell. 1,822,942; Sept. 15.
Cover, Ironing board. D. B. Grant. 1,832,545; Nov. 17.
Cover, Key head. J. Cicourel. 1,837,114; Dec. 15.
Cover lifter. G. E. Mayhew. 1,820,575; Aug. 25.
Cover lining apparatus. C. W. Johnson. 1,818,557; Aug. 11.
Cover, Manhole. O. N. Gredell. 1,825,726; Oct. 6.
Cover, Manhole. T. F. Pope. 1,802,157; Apr. 21.
Cover, Manhole. R. G. Redmann. 1,833,794; Nov. 24.
Cover, Manhole. R. H. West. 1,799,489; Apr. 7.
Cover, Milk can. R. M. Abernathy. 1,803,825; May 5.
Cover, Milk can ventilating. H. W. Luek and A. C. Krueger. 1,838,424; Dec. 29.
Cover of a household pump unit. S. H. Hobson. Des. 85,098; Sept. 15.
Cover of folding boats, Devices for tautening the. H. Hart. 1,822,810; Sept. 8.
Cover or similar article, Chime. G. L. Bossard. Des. 85,155; Sept. 22.
Cover panel for a vending machine, Front-. J. B. Felber. Des. 83,319; Feb. 17.
Cover, Plant. F. Graffenberger. 1,805,212; May 12.
Cover plate. H. E. Spencer. 1,827,881; Oct. 20.
Cover plate for a signal device or similar article. J. M. Auflero. Des 82,967; Jan. 6.
Cover plate for ranges, Detachable manifold. A. E. Fellner. 1,815,556; July 21.
Cover plate for traffic warning device. P. J. Chéron. Des. 84,072; May 5.
Cover plate for vehicle wheel. W. N. Booth. 1,802,372; Apr. 28.
Cover, Pot and pan. M. V. Tremblay. 1,810,860; June 16.
Cover, Radiator. A. E. Blackman. 1,810,122; June 16.
Cover, Radiator. E. G. Hess. 1,798,737; Mar. 31.
Cover, Radiator. L. Pesacov. Des. 83,124; Jan. 20.
Cover, Removable book. L. G. Kitcat. 1,812,594; June 30.
Cover remover, Can. E. McCutcheon. 1,818,732; Aug. 11.
Cover, Sanitary closet seat. M. H. Knisely. 1,835,787; Dec. 8.
Cover, Sanitary mouthpiece. J. L. Barr. 1,834,199; Dec. 1.
Cover, Sanitary seat. R. P. Foulds. 1,801,665; Apr. 21.
Cover, Seat. W. L. Fry. 1,835,769; Dec. 8.
Cover, Seat. J. W. Whaley. 1,820,104; Aug. 25.
Cover securing means for collapsible boxes. P. S. Rumpel. 1,801,389; Apr. 21.
Cover, Shoe-heel. L. J. Bazzoni. Des. 83,301; Feb. 17.
Cover, Spark-plug. F. L. Creager. 1,794,673; Mar. 3.
Cover, Spring. T. Munro. 1,793,122; Feb. 17.
Cover, Spring. T. Munro. 1,797,835; Mar. 24.
Cover, Spring. D. K. Pope. 1,808,508; June 2.
Cover, Spring. M. Tibbetts. 1,791,252; Feb. 3.
Cover, Spring. M. H. Whitehouse. 1,808,332; June 2.
Cover, Steam table serving pan. B. H. Larson. 1,823,152; Sept. 15.
Cover, Switch. N. J. Walsh. Des. 85,139; Sept. 15.
Cover, Table. C. B. Robinette. Des. 85,203; Sept. 22.
Cover, Tire. J. J. Cloughley. 1,808,291; June 2.
Cover, Tire. T. J. McCormick. 1,827,095; Oct. 13.
Cover, Tire. T. J. McCormick. 1,829,011; Oct. 27.
Cover, Tire. T. J. McCormick and R. E. Linn. Des. 85,295; Oct. 6.
Cover, Toothbrush. L. J. Harper. 1,827,654; Oct. 13.
Cover, Transmission-case. C. L. Johnson. 1,796,106; Mar. 10.
Cover, Transmission repair. J. C. Allen. 1,835,449; Dec. 8.
Cover, Transparent display. L. G. Nelson. 1,791,510; Feb. 10.
Cover, Tree. C. J. Barnes. 1,834,084; Dec. 1.
Cover, Water-closet-tank. H. F. Weaver. Des. 83,588; Mar. 3.
Cover, Water meter. N. H. Abrams. 1,816,818; Aug. 4.
Covering. S. Greenebaum. 1,815,404; July 21.
Covering, Aircraft. I. M. Jacobsohn and S. Truscott. 1,788,394; Jan. 13.
Covering and ornamenting the same, Surface. H. W. Prentis. 1,788,407; Jan. 13.
Covering and process of making it. W. L. Taylor. 1,789,887; Jan. 20.
Covering and producing such covering, Protective. H. C. Stearns. 1,837,733; Dec. 22.
Covering, Building. E. R. Black. 1,802,868; Apr. 28.
Covering, Decorative floor. H. R. Peck. 1,801,020; Apr. 14.
Covering, Flexible hard surfaced floor. J. Emig. 1,824,041; Sept. 22.
Covering for laminated springs. P. T. Wheaton and W. Kinghorn. 1,791,545; Feb. 10.
Covering for submarine cables, Pressure-protecting. G. Zapf. 1,798,298; Mar. 31.
Covering for toy torpedoes. K. Kohn. 1,824,278; Sept. 22.
Covering, Hand. E. I. Marks. 1,817,385; Aug. 4.
Covering, Head. H. T. Pistole. 1,803,538; May 5.
Covering machine, Double-face. J. G. Huye. 1,792,986; Feb. 17.
Covering material and making same, Airplane. G. R. Goin. 1,792,829; Feb. 17.
Covering material, Composite. M. Gentile. 1,804,556; May 12.
Covering or coating of iron or steel pipes and other cylindrical bodies, External. J. Mitchell and J. H. Smith. 1,800,896; Apr. 14.
Covering, Pipe. J. M. Wilson. 1,838,242; Dec. 29.
Covering to panel surfaces, Method of and apparatus for applying flexible. J. Ledwinka. 1,829,752; Nov. 3.
Covering, Wall. H. H. Hummert. 1,799,750; Apr. 7.
Coverings, Apparatus for working strand. W. M. Hill and R. E. McFarland. 1,835,597; Dec. 8.
Coverings, Making floor. H. A. Bell. 1,816,822; Aug. 4.
Coverings, Manufacture of printed floor. A. Jones. 1,805,144; May 12.
Coverings, Manufacturing smooth floor. R. G. Jackson. 1,807,291; May 26.
Coverings, Ornamenting printed hard surface floor. H. W. Prentis, jr. 1,807,672; June 2.
Coverings, Retaining device for pipe. M. H. Gysling. 1,819,553; Aug. 18.
Covers, Casting annealing box. H. E. Sheldon. 1,800,848; Apr. 14.
Covers for loose leaf book and making same. C. D. Trussell. 1,802,793; Apr. 28.
Covers in place, Holding. H. C. Clausen. 1,800,715; Apr. 14.
Covers, Making tire. C. H. Wishmeier. 1,830,819; Nov. 10.
Covers on pails, Apparatus for attaching. C. H. Rollason, 1,827,544; Oct. 13.
Cowl construction and manufacturing same. J. Ledwinka. 1,838,852; Dec. 29.
Cowl band. A. E. Smith. 1,794,990; Mar. 3.
Cowl molding. H. Ford. 1,821,147; Sept. 1.
Cowl ventilator. G. E. Grimm. 1,809,589; June 9.
Crack filling device. N. E. Sirois. 1,831,146; Nov. 10.
Cracker pan. J. G. Jackson. 1,790,270; Jan. 27.
Cracker pan. J. G. Jackson. 1,790,504; Jan. 27.
Cracking process. W. P. Deppé and L. L. Summers. 1,804,917; May 12.
Cracking process. G. L. Prichard and H. Henderson. 1,802,531; Apr. 28.
Cradle. R. M. Hursh. 1,812,699; June 30.
Cradle, Electrically operated. C. B. H. Barnes. 1,803,887; May 5.
Cradle, Hoisting. B. F. Fitch. 1,838,139; Dec. 29.
Cradle or bed construction. B. F. Alink. 1,801,185; Apr. 14.
Craft, Twin. M. Philip. 1,822,418; Sept. 8.
Cranberry picker. G. H. Chandler. 1,793,464; Feb. 24.

Crane. E. E. Allen. 1,790,692; Feb. 3.
Crane. W. C. Heinle. 1,812,951; July 7.
Crane. D. Kendall and W. D. Keller. 1,837,718; Dec. 22.
Crane. W. White. 1,819,803; Aug. 18.
Crane and weighing scale, Combined oscillatory or retractable. F. A. A. Essmann. 1,789,731; Jan. 20.
Crane, derrick, shear leg, and like lifting device. A. F. Nash. 1,795,405–6; Mar. 10.
Crane, Electric. W. Richter. 1,834,499; Dec. 1.
Crane, Excavator. H. L. Mitchell and R. Ljungkull. 1,829,569; Oct. 27.
Crane hook. C. Hunt. 1,813,294; July 7.
Crane, Light wrecking. R. E. Manley. 1,825,359; Sept. 29.
Crane, Motor propelled. P. A. H. Mossay. 1,828,905; Oct. 27.
Crane, Overhead. J. S. Townsend. 1,835,357; Dec. 8.
Crane, Railway mail service. F. L. Sears. 1,837,073; Dec. 15.
Crane, Truck. E. Ohliger. 1,817,392; Aug. 4.
Crane, Wreck. G. E. Weaver and A. J. Vettel. 1,806,433; May 19.
Crane, Wrecking. J. G. Collins. 1,794,148; Feb. 24.
Cranes and the like, Driving unit and controlling mechanism for. L. D. Nilson. 1,790,281; Jan. 27.
Crank axle construction for six wheel buses. M. C. Horine. 1,831,862; Nov. 17.
Crank case and oil pump heater. E. L. Sobolik. 1,816,662; July 28.
Crank case ventilator. W. S. Cochrane. 1,822,201; Sept. 8.
Crank case ventilator. E. S. Marks. 1,830,846; Nov. 10.
Crank case ventilator. A. J. Syrovy and R. N. Janeway. 1,828,085; Oct. 20.
Crankcase ventilation. L. V. Cram. 1,826,390; Oct. 6.
Crank-case ventilation. P. B. Taylor. 1,788,897; Jan. 13.
Crank cases of motor vehicles with lubricating oil, Device for filling the. K. K. Weissfloch. 1,808,125; June 2.
Crank, Eccentric. G. B. Ashworth. 1,830,976; Nov. 10.
Crank for piston engines, Driving. K. Kuehn. 1,811,796; June 23.
Crankless engine. T. L. Sherman. 1,804,440; May 12.
Crankless engine. T. L. Sherman. 1,813,966; July 14.
Crankless engine. T. L. Sherman. 1,819,826; Aug. 18.
Crankless mechanisms. V. R. Wilson. 1,813,981; July 14.
Crankless mechanism and making crankless mechanisms. A. G. M. Michell. 1,837,724; Dec. 22.
Crank shaft. C. C. Farmer. 1,813,153; July 7.
Crank shaft. P. F. Holmgren. 1,803,432; May 5.
Crankshaft. H. R. Ricardo. 1,804,643; May 12.
Crank-shaft and bearing assembly. G. W. Taylor. 1,790,253; Jan. 27.
Crankshaft balancing machine. C. E. Summers and T. C. Van Degrift. 1,822,860; Sept. 8.
Crank shafts, Dynamic balancer for. J. H. Brenner. 1,794,438; Mar. 3.
Crate. H. W. S. Palmer. 1,790,997; Feb. 3.
Crate. F. and D. Ritzman. 1,812,900; July 7.
Crate. C. A. Woolsey and H. V. Bowman. 1,825,032; Sept. 29.
Crate, Animal-holding. M. J., M. J. and J. W. Marrinan. 1,788,924; Jan. 13.
Crate, Berry box. W. E. Daly. 1,836,750; Dec. 15.
Crate, Berry box. W. W. Workman. 1,838,726; Dec. 29.
Crate, Bottle. W. W. Birnstock. 1,810,815; June 16.
Crate, Bottle. A. G. Enock. 1,834,273; Dec. 1.
Crate, Bottle. E. M. Pennock. 1,801,975; Apr. 21.
Crate, Collapsible chicken. T. E. Cook. 1,819,735; Aug. 18.
Crate, Folding. L. B. Wise. 1,800,580; Apr. 14.
Crate, Fruit basket. W. A. Adams. 1,826,197; Oct. 6.
Crate, Metallic. A. E. Davenport. 1,817,805; Aug. 4.
Crate, Milk-bottle. R. Carnwath. 1,799,953; Apr. 7.
Crate or case. E. R. Alling. 1,829,383; Oct. 27.
Crate or similar container, Shipping. E. J. Burke. Des. 83,792; Mar. 31.
Crate, Packing. J. J. Henze. 1,822,736; Sept. 8.
Crate, Poultry or animal. C. H. Jarvis. 1,834,951; Dec. 8.
Crate retainer and seal, Shipping. B. Jacobsen and L. Hansen. 1,830,701; Nov. 3.
Crate, Shipping. F. P. Hansen. 1,818,800; Aug. 11.
Crate structure, Bottle. F. H. Hudepohl. 1,837,966; Dec. 22.
Cravat supporting stand. P. E. Wiberg. 1,836,564; Dec. 15.
Crawler. C. H. Ruth. 1,794,985; Mar. 3.
Cream, Apparatus for purifying. O. V. Jones and A. Schneider. 1,796,951; Mar. 17.
Cream cooler. J. J. Agrimson. 1,804,194; May 5.
Cream cooler. E. W. Johnson. 1,822,593; Sept. 8.
Cream, Ink removing. B. Segall. 1,831,611; Nov. 10.
Cream process and article. H. D. Wendt. 1,791,068; Feb. 3.
Cream-puff-filling machine. R. Goff, jr. 1,787,900; Jan. 6.
Cream separating device. G. E. West. 1,835,252; Dec. 8.
Cream separator. F. C. Sandstrom. 1,828,546; Oct. 20.
Cream, Treating. S. Grasse. 1,801,152; Apr. 14.
Creasing press. F. M. Green. 1,799,363; Apr. 7.
Credit system. J. H. Rand, jr. 1,813,257; July 7.
Creel. W. Marcroft and J. A. Molloy. 1,824,356; Sept. 22.
Creel. F. H. Martin. 1,795,091; Mar. 3.
Creel for winding warp beams. M. Bellingeri. 1,808,339; June 2.
Creeling mechanism. H. H. Yates. 1,814,203; July 14.
Creels, Cop cone holder for. J. O. McKean. 1,805,495; May 19.
Creeper. G. E. Cremer. 1,831,408; Nov. 10.
Creeper construction. E. T. Breeden. 1,823,526; Sept. 15.
Creeper for tractor belts. V. G. Honstain. 1,820,743; Aug. 25.
Creosote oils, Producing. S. P. Miller. 1,826,429; Oct. 6.
Creosote oils, tar acids, etc., Recovery of. S. P. Miller. 1,826,430; Oct. 6.
Crepe fabric and making the same. C. Dreyfus. 1,813,530; July 7.
Crevices in rock formations or the like, Apparatus for sealing. G. W. Christians. 1,820,347; Aug. 25.
Crib. A. G. Feldman. Des. 85,036–8; Sept. 8.
Crib. J. W. Shaw. 1,788,960; Jan. 13.
Crib, Baby. W. Derbyshire. 1,827,739; Oct. 20.
Crib, bath tub, and dressing table, Combination. H. E. McCandless. 1,827,687; Oct. 13.
Crib, caisson, and the like. A. H. Gruppe. 1,827,146; Oct. 13.
Crib, Child's. E. Mayette. 1,834,468; Dec. 1.
Crib, Infant's. H. Gertler. 1,816,965; Aug. 4.
Crib lock. F. Kusterle. 1,824,905; Sept. 29.
Cribbing. C. Gilman. 1,824,990; Sept. 29.
Cribbing. J. S. Hobson. 1,819,026; Aug. 18.
Cribbing. R. W. Miller. 1,794,704; Mar. 3.
Cribbing device for graves. M. V. Wolf. 1,834,232; Dec. 1.
Cribs, Drop-side mechanism for. J. Michal. 1,788,318; Jan. 6.
Crimping mechanism. K. P. Rolston. 1,798,903; Mar. 31.
Crochet rack. D. D. Fowler. 1,816,081; July 28.
Crock handle. C. B. Woodman. 1,838,348; Dec. 29.
Crooked hole indicator. L. A. McLain. 1,820,082; Aug. 25.
Crop and discharging apparatus. F. C. Biggert, jr., and J. A. Smitmans. 1,808,396; June 2.
Crops to stripper harvesting and reaper thrasher machines, Apparatus for gathering and feeding in. H. S. Taylor. 1,832,154; Nov. 17.
Croquet table. L. L. Dickerman. Des. 84,134; May 12.
Cross arm, Portable. H. W. Bodendieck. 1,793,733; Feb. 24.
Cross-bearer. W. E. Wine. 1,803,449; May 5.
Cross bearer. W. E. Wine. 1,818,370; Aug. 11.
Cross bearer. W. E. Wine. 1,834,264; Dec. 1.
Cross feed mechanism. W. H. Schussler. 1,838,115; Dec. 29.
Crosshead. P. H. Dunn. 1,796,009; Mar. 10.
Crosshead. L. H. Fry. 1,819,887; Aug. 18.
Crosshead. S. Giustiniani. 1,817,684; Aug. 4.
Crosshead. W. E. Henry. 1,814,924; July 14.
Crosshead shoe. T. W. Demarest. 1,803,749; May 5.
Crossing for highway and trackway intersections, Safety. C. Burnett. 1,833,354; Nov. 24.
Crossing gate. E. Daniel. 1,825,780; Oct. 6.
Crossing gate. H. M. Meyer and R. R. Scheidler. 1,832,645; Nov. 17.
Crossing gate, Automatic. G. Polak. 1,806,497; May 19.
Crossing gate, Automatic. R. J. Wilson. 1,830,011; Nov. 3.
Crossing gate, Automatic railroad. A. Mimms. 1,832,232; Nov. 17.
Crossing gate, Railroad. A. E. Alexander. 1,836,831; Dec. 15.
Crossing gate. Railroad. O. O. Lees and T. J. Finn. 1,810,051; June 16.
Crossing gate, Railroad. W. M. Smith. 1,818,013; Aug. 11.
Crossing gate, Railway-. A. Robaly. 1,796,164; Mar. 10.
Crossing protection, Highway. A. B. Heyes. 1,829,956; Nov. 3.
Crossing signal, Automatic hydraulic. J. A. and L. H. Mueller. 1,799,058; Mar. 31.
Crossing signal, Highway-. A. W. Fisher. Des. 83,037; Jan. 13.
Crossing signal, Highway-. A. W. Fisher. Des. 83,098; Jan. 20.
Crossing signal, Highway. J. C. Mock. 1,810,977; June 23.
Crossing signal, Highway. A. J. Sorensen. 1,834,077; Dec. 1.
Crossing signal, Highway-. C. H. Zierdt. 1,788,182; Jan. 6.
Crossing slab. E. C. Alexander. 1,832,803; Nov. 17.
Cross-talk reduction. M. A. Weaver. 1,799,188; Apr. 7.
Crotonaldehyde, Hydrogenation of. L. C. Swallen. 1,788,896; Jan. 13.
Crotonaldehyde, Hydrogenation of. L. C. Swallen. 1,823,865; Sept. 15.
Crowbar. L. H. Clements. 1,793,060; Feb. 17.
Crown block. E. O. Bennett. Re18,147; Aug. 4.
Crown block. M. S. Black. 1,814,615; July 14.
Crown block. B. Boykin, jr. 1,824,652; Sept. 22.
Crown block. B. S. Minor. 1,826,946; Oct. 13.
Crown block. B. S. Minor. 1,833,172; Nov. 24.
Crown block. H. P. Wickersham. 1,826,109; Oct. 6.
Crown block sheave assembly. L. J. Black. 1,821,788; Sept. 1.
Crusher: *See*—
Gyratory crusher. Rotary crusher.
Hammer crusher.
Crusher. E. H. Frickey. 1,788,388; Jan. 13.
Crusher. E. H. Frickey. 1,791,669; Feb. 10.

Crusher. E. H. Frickey. 1,829,895; Nov. 3.
Crusher. R. C. Newhouse. 1,799,476–7; Apr. 7.
Crusher. O. C. Winters. 1,819,583; Aug. 18.
Crusher and pulverizer. H. J. Shelton. 1,808,264; June 2.
Crusher roll. G. E. Krider. 1,824,088; Sept. 22.
Crushers, Automatic control for cone. G. W. Bennett. 1,808,914; June 9.
Crushing apparatus. N. D. Levin. 1,787,828; Jan. 6.
Crushing apparatus. E. B. Symons. 1,796,413; Mar. 17.
Crushing board. C. Wendt. 1,799,575; Apr. 7.
Crushing machine. D. B. Cooper. 1,823,437; Sept. 15.
Crushing machine. E. B. Symons. 1,817,044; Aug. 4.
Crushing machinery. G. W. Borton. 1,789,539; Jan. 20.
Crushing machinery. H. F. Campbell. 1,791,712; Feb. 10.
Crushing mill. W. Cooper. 1,802,197; Apr. 21.
Crushing mill. E. C. Loesche. 1,838,998; Dec. 29.
Crushing mill. G. Villa. 1,835,192; Dec. 8.
Crushing roll. A. G. McGregor. 1,795,663; Mar. 10.
Crutch. O. Johns. Des. 83,162; Jan. 27.
Crutch attachment. W. H. Lanning. 1,817,829; Aug. 4.
Crystal for timepieces, Indicating. W. D. Hawley. 1,796,652; Mar. 17.
Crystal mounting and circuit arrangement. J. R. Harrison, 1,821,304; Sept. 1.
Crystal system, Piezo electric. J. R. Harrison. 1,824,777; Sept. 29.
Crystallization. J. W. Martin, jr. 1,825,646; Sept. 29.
Crystallization process. S. B. Heath. 1,815,735; July 21.
Crystallization, Selective. W. E. Burke, C. F. Ritchie, and R. B. Peet. 1,835,271; Dec. 8.
Crystallizer, Continuous. W. H. Lohmann. 1,810,217; June 16.
Crystals and their manufacture. P. W. Bridgman. 1,793,672; Feb. 24.
Crystals in composite piezo-electric devices, Orientation of component. A. M. Nicolson. 1,798,101; Mar. 24.
Crystals, Method and apparatus for identifying. F. F. Read. 1,799,604; Apr. 7.
Crystals, powders, and the like, Prevention of caking of. A. C. Scott. 1,811,699; June 23.
Crystals, Producing big. P. Seidler. 1,839,124; Dec. 29.
Cuff, Advertising. A. G. Davis. 1,837,148; Dec. 15.
Cuff for knickers and the like, and its manufacture, Double. M. Braunstein. 1,828,457; Oct. 20.
Cuff for shirts and the like. A. Rankin. 1,787,702; Jan. 6.
Cuff for trousers. L. W. Freeman. 1,805,577; May 19.
Cuff link. G. Murchi, jr. 1,826,364; Oct. 6.
Cuff link, Expansible. J. E. Alm. 1,803,988; May 5.
Culinary implement. W. S. Morris. 1,800,653; Apr. 14.
Cultivator. C. D. Ammon. 1,821,370; Sept. 1.
Cultivator. W. G. Anderson. 1,791,947; Feb. 10.
Cultivator. J. G. Bailey. 1,837,143; Dec. 15.
Cultivator. C. V. Barnhart. 1,833,149; Nov. 24.
Cultivator. C. B. Brown. Re17,944; Feb. 3.
Cultivator. T. Brown. 1,827,708; Oct. 13.
Cultivator. G. F. Galloway. 1,817,551; Aug. 4.
Cultivator. W. Grams. 1,800,252; Apr. 14.
Cultivator. H. A. Harris. 1,814,693; July 14.
Cultivator. W. M. Lewis. 1,836,762; Dec. 15.
Cultivator. J. R. Orelind. 1,808,932; June 9.
Cultivator. G. A. Raptis. 1,791,602; Feb. 10.
Cultivator. W. H. Silver. 1,791,539; Feb. 10.
Cultivator. W. H. Silver. 1,819,847; Aug. 18.
Cultivator. H. Steffens. 1,814,345; July 14.
Cultivator. C. G. Strandlund. 1,790,331; Jan. 27.
Cultivator. J. F. Zeilinger. 1,831,221; Nov. 10.
Cultivator and cutter, Combination bean. L. S. Quinan. 1,789,563; Jan. 20.
Cultivator and weeder. A. L. Ritter. 1,831,686; Nov. 10.
Cultivator appliance. L. A. Ferguson. 1,790,093; Jan. 27.
Cultivator attachment. C. R. Benzel. 1,805,865; May 19.
Cultivator attachment. J. Ramstad. 1,824,170; Sept. 22.
Cultivator attachment for tractors. B. R. Benjamin. 1,831,990; Nov. 17.
Cultivator-beam lift. J. Berends. 1,793,900; Feb. 24.
Cultivator, Beet. M. I. Goldsmith. 1,790,141; Jan. 27.
Cultivator, Cotton-blocking. J. M. Herron. 1,797,231; Mar. 24.
Cultivator, Disk. F. H. Stoner. 1,807,182; May 26.
Cultivator disk scraper. O. W. Vandine. 1,837,347; Dec. 22.
Cultivator, Garden. G. D. Lucas. 1,835,414; Dec. 8.
Cultivator guard. J. H. Koebel. 1,819,899; Aug. 18.
Cultivator, Power operated. T. Brown. 1,802,370; Apr. 28.
Cultivator shields, Device for adjusting. J. F. Schultz. 1,789,780; Jan. 20.
Cultivator shovel. W. F. Laube. 1,799,519; Apr. 7.
Cultivator shovel. E. McGlothlen. 1,794,722; Mar. 3.
Cultivator shovel. W. H. Osmundson. 1,801,567; Apr. 21.
Cultivator, Steering walking. W. H. Noble. 1,810,783; June 16.
Cultivator, Straddle row. J. H. L. Gamble. 1,805,394; May 12.
Cultivator structure. J. R. and L. W. Kovar. 1,824,603; Sept. 22.
Cultivator sweep. M. Johnson. 1,811,584; June 23.
Cultivator teeth, Operating. A. W. Reynolds. 1,832,504; Nov. 17.
Cultivator, Tractor. R. O. Hendrickson. 1,799,368; Apr. 7.
Cultivator, Two-row. L. H. Kaupke. 1,823,548; Sept. 15.
Cultivator, Wheeled. C. G. Strandlund. 1,828,301; Oct. 20.
Cultivator, Wheeled. H. R. Traphagen. 1,833,624; Nov. 24.
Cultivator with sled frame. J. R. and L. W. Kovar. 1,803,332; May 5.
Cultivator with three wheels. J. R. and L. W. Kovar. 1,824,602; Sept. 22.
Cultivators, Attachment for. A. G. Carlson. 1,802,498; Apr. 28.
Cultivators, Ground-working implement for. H. and K. A. Phillips. 1,800,152; Apr. 7.
Cultivators, Leaf guard for disk. J. Mader. 1,810,052; June 16.
Culvert, Creosoted wood. A. C. Reinking and P. E. Hoak. 1,834,643; Dec. 1.
Culvert, Drain. A. R. Hutton. 1,828,866; Oct. 27.
Culvert shovel. J. L. Barwick. 1,795,991; Mar. 10.
Culverts, Constructing. D. T. Finkbeiner. 1,809,513; June 9.
Culverts or continuous concrete tubes, Device for constructing long. T. Nose. 1,794,199; Feb. 24.
Culverts or tunnels, Constructing metal. G. E. Ladd. 1,819,426; Aug. 18.
Cup: *See*—

Drinking cup.	Measuring cup.
Ear suction cup.	Oil-feed cup.
Force or suction cup.	Soldering cup.
Golf cup.	Sponge cup.
Golf hole cup.	Turpentine cup.
Grease cup.	Twin cup.

Cup. J. P. Thorley. Des. 83,293; Feb. 10.
Cup and other points, Dental polishing. L. A. Young. 1,837,938; Dec. 22.
Cup and the like, Automatic lubricant. O. U. Zerk. 1,787,770; Jan. 6.
Cup and the like, Automatic lubricant. O. Zerk. 1,793,273; Feb. 17.
Cup blank, Paper-. C. Barbieri. 1,792,724; Feb. 17.
Cup cake dropping machine. M. Helland. 1,828,565; Oct. 20.
Cup cake pan. J. W. Smith. 1,831,147; Nov. 10.
Cup, Drinking. W. L. Bacher. Des. 85,901; Dec. 29.
Cup-filling device. E. A. Menninger and W. R. Thompson. 1,790,626; Jan. 27.
Cup heater, Individual. M. S. Clawson. 1,805,716; May 19.
Cup liners into teat cups, Device for introducing teat-. M. B. Bengtson. 1,793,454; Feb. 24.
Cup machine. C. Barbieri. 1,819,318; Aug. 18.
Cup or container, Drinking. S. P. Jannings. 1,800,534; Apr. 14.
Cup or cup-holder handle, Paper. A. N. Parran. 1,795,615; Mar. 10.
Cup or similar article. G. Wesp. Des. 84,864; Aug. 11.
Cup or similar article. G. Wesp. Des. 85,563; Nov. 10.
Cup vending machine. L. H. Morin. 1,830,371; Nov. 3.
Cupola. C. B. Hawley. 1,801,045; Apr. 14.
Curb bit. R. J. Kerruish. 1,792,378; Feb. 10.
Curb, Composite. R. E. Moore. 1,789,829; Jan. 20.
Curb service device. J. H. Bristow. 1,826,047; Oct. 6.
Curing hay, Apparatus for artificially. J. H. Fulmer. 1,788,099; Jan. 6.
Curling device, Hair. E. O. Frederics. 1,820,387; Aug. 25.
Curling iron heater. E. A. Churchill. 1,809,510; June 9.
Curling rod. M. Salzman. 1,806,711; May 26.
Current carrying equipment, Electrical. J. A. Snatzer and A. G. Steinmayer. 1,802,986; Apr. 28.
Current channels with superposed telegraph circuits, Combining alternating. R. V. Morgenstern. 1,817,702; Aug. 4.
Current collector. H. P. Chandler. 1,817,175; Aug. 4.
Current collector. E. J. W. Ragsdale and J. C. Whitesell, jr. 1,802,957; Apr. 28.
Current collector for electric tramway and railway vehicles. T. C. E. Rowland and H. M. Dudgeon. 1,809,492; June 9.
Current collector for electric vehicle, Pantograph. G. F. de Tovaros. 1,818,842; Aug. 11.
Current collector for trolley wires. F. Board. 1,808,518; June 2.
Current collector plate for overhead conductors of electric railways, Tiltable. J. F. de Tóváros. 1,802,076; Apr. 21.
Current-collection scheme. E. D. Moore. 1,793,557; Feb. 24.
Current, Commutation of continuous. E. Kern. 1,813,056; July 7.
Current conducting bond, Electric. M. Schwartz. 1,827,337; Oct. 13.
Current controller. H. Payne. 1,822,234; Sept. 8.
Current controlling apparatus, Alternating. H. K. Kouyoumjian. 1,813,409; July 7.
Current controlling device. R. D. Siragasa. 1,802,483; Apr. 28.
Current-controlling means, Automatic electric-. P. V. McCash. 1,794,721. Mar. 3.
Current-controlling mechanism for automobile signals. A. M. Hudson and C. H. Twetten. 1,787,682; Jan. 6.
Current, Controlling the amplitude of alternating. E. R. Hentschel. 1,805,463; May 12.
Current converting system. A. S. Hubbard. 1,822,811; Sept. 8.

Current deflector. C. E. Snyder. 1,819,305; Aug. 18.
Current distributing apparatus. K. C. Randall. 1,818,160; Aug. 11.
Current distribution system, Alternating-. L. N. Crichton. 1,788,986; Jan. 13.
Current distribution, System of alternating. W. K. Sonnemann. 1,834,432; Dec. 1.
Current effects, System for measuring delayed-. H. C. Silent. 1,790,079; Jan. 27.
Current electrometer, Direct. F. Böhm. 1,826,342; Oct. 6.
Current filter for radios. N. Gymnaitis. 1,790,234; Jan. 27.
Current generating system, High frequency. L. Kühn and E. Geissler. 1,802,563; Apr. 28.
Current, Generating three phase high frequency. S. A. Barone. 1,823.851; Sept. 15.
Current generator, Direct. R. Sarazin and M. Moneyron. 1,814,061; July 14.
Current heating apparatus, Reversible. L. C. Morris. 1,819,333; Aug. 18.
Current indicator, Alternating-. E. Beckmann. 1,794,509; Mar. 3.
Current interrupter, Alternating-electric-. G. Ellison and J. Anderson. 1,798,319; Mar. 31.
Current into alternating current by electrostatically controlled oscillations, Method and apparatus for converting direct. L. A. Hazeltine. 1,835,156; Dec. 8.
Current into alternating current by means of electric vacuum valves, Arrangement for converting direct. H. Egg. 1,788,426; Jan. 13.
Current-limiting device. T. A. Jones and W. A. Phelps. 1,793,491; Feb. 24.
Current-limiting reactor. R. B. George and H. B. West. 1,811,466; June 23.
Current limiting reactor, Electric. G. A. Burnham. 1,811,877; June 30.
Current machine, Alternating. A. C. Stocker. 1,838,010; Dec. 22.
Current meter, Alternating-current direct. V. A. Johnson. 1,811,319; June 23.
Current, Method of and apparatus for controlling alternating. D. G. McCaa. 1,814,051; July 14.
Current motor, Alternating. E. C. Ballman. 1,819,013; Aug. 18.
Current motor, Alternating-. H. Weichsel. 1,795,063; Mar. 3.
Current motor, Alternating. N. S. Yost. 1.828,724; Oct. 20.
Current motor, Fluid. C. Ottevaere. 1,809,180; June 9.
Current motor regulation, Alternating. R. N. Early and S. P. Bordeau. 1,824,595; Sept. 22.
Current of reduced frequency, Producing. L. C. Roberts. 1.837,337; Dec. 22.
Current production apparatus, Secondary fluid. C. Coupard. 1,808,638; June 2.
Current rectifier. L. Levy. 1,799.854; Apr. 7.
Current rectifier. S. Strauss. 1,814,063; July 14.
Current rectifier, Alternating. S. J. M. Allen. 1,824,004; Sept. 22.
Current rectifier, Alternating-. C. R. Moore. 1,788,028; Jan. 6.
Current rectifier, Electric. S. Ruben. 1,826,955; Oct. 13.
Current rectifier, Electric-. H. Shoemaker. 1,794.037; Feb. 24.
Current-rectifying apparatus. L. H. Peter. 1,797.587; Mar. 24.
Current rectifying means. J. G. Jackson. 1,835,161; Dec. 8.
Current regulating device. W. L. Bond. 1,804,243; May 5.
Current regulating device. D. R. De Tar. 1,804,250; May 5.
Current regulator, Constant. H. G. Hyde. 1,829,484; Oct. 27.
Current relay, Alternating-. O. A. Ross. 1,795,144; Mar. 3.
Current relay, Direct-. L. N. Crichton and J. V. Breisky. 1,798,659; Mar. 31.
Current relay employing a motor, Alternating. P. P. Sosinski. 1,807.349; May 26.
Current Relay motor, Alternating. W. K. Howe. 1,794,618; Mar. 3.
Current repeater, Impulse. C. F. Ahlberg. 1,831,730; Nov. 10.
Current signaling on power lines, System of carrier. E. I. Green. 1,836,114; Dec. 15.
Current supply apparatus. W. C. Grunow. 1,818,947; Aug. 11.
Current supply, Apparatus for and method of developing high voltage direct. C. S. Williams. 1,805,679; May 19.
Current supply device. J. W. Fitzgerald. 1,820,060; Aug. 25.
Current supply to a load circuit, Controlling the. H. W. Brown. 1,833,821; Nov. 24.
Current system, Alternating. W. Hahnemann and K. Rath. 1,822,439; Sept. 8.
Current system, Unidirectional. B. F. Miessner. 1,832,646; Nov. 17.
Current systems. Apparatus for comparing quantities of alternating. K. A. Sterzel. 1,826,191; Oct. 6.
Current tap and pull chain lamp socket, Combined. H. A. Shroder. 1,819,206; Aug. 18.
Current telemetering system, Rectified. H. B. Rex. 1,817,765; Aug. 4.
Current to multiplex lines, Sending alternating. R. Hoover and R. F. Dirkes. 1,829,653; Oct. 27.
Current transformer. R. M. Heintz. 1,807,985; June 2.
Current transformer. S. Rump. 1,807,797; June 2.
Current transformer. M. Urbinati. 1,810,379; June 16.
Current transformer, Alternating-. F. Bedell. 1,798,057; Mar. 24.
Current transformer having field-equalizing conducting coatings. F. J. Fischer. 1,790,981; Feb. 3.
Current-translating mechanism. M. H. Greenewalt. 1,793,284; Feb. 17.
Current transmission, High tension direct. G. E. Jansson. 1,806,351; May 19.
Current vapor electrical device, Alternating. L. F. Bird. 1,824,760; Sept. 29.
Currents, Amplification of electrical. F. S. McCullough. 1,806,109; May 19.
Currents and movements, System for transmitting and amplifying vibratory. P. M. G. Toulon. 1,822,758; Sept. 8.
Currents, Apparatus for limiting electrical. F. W. Gay. 1,830,938; Nov. 10.
Currents, Apparatus for measuring direct. A. S. Fitz Gerald. 1,825,514; Sept. 29.
Currents, Apparatus for rectifying alternating electric. L. H. Peter. 1,833,332; Nov. 24.
Currents, Apparatus for reducing crosstalk. E. Peterson. 1,811,963; June 30.
Currents, Device for producing modulated. M. L. Almquist. 1,834.992; Dec. 8.
Currents, Generation of electric. L. J. Sivian. 1,808,579; June 2.
Currents, Indicating device for high frequency. W. Dubilier. 1,802,077; Apr. 21.
Currents, Method of and apparatus for amplifying weak electric. B. N. Sokoloff. 1,810,539; June 16.
Currents of audible frequencies, Amplifying electrical. W. van B. Roberts. Re18,037; Apr. 7.
Currents of different frequencies, Separating desired from undesired, electric. E. G. Gage. 1,802,760; Apr. 28.
Currents or voltages, Device responsive to unbalanced electric. E. Grassot. 1,816,676; July 28.
Currents, Phase indicator for feeble high frequency. G. Von Arco. 1,802,742; Apr. 28.
Currents produced by living organisms, Apparatus for recording electric. P. Duchosal. 1,829,267; Oct. 27.
Currents, Suppressing ground. G. Meyer. 1,814,006; July 14.
Currents, System for suppressing interfering. P. H. Craig. 1,792,001; Feb. 10.
Currents, System of distribution of alternating. A. H. Kehoe. 1,787,943; Jan. 6.
Curtain. J. Stam. 1,817,716; Aug. 4.
Curtain. W. J. Stuber. 1,797,162; Mar. 17.
Curtain and laundry bag, Trunk. J. Ritter, jr. 1,804,030; May 5.
Curtain and shade bracket, Combined. M. Brownlee. 1,803,593; May 5.
Curtain and shade fixture. J. M. Buck. 1,802,134; Apr. 21.
Curtain and shade fixture. W. A. Schollmeyer. 1,810,146; June 16.
Curtain and shade fixture. W. R. Scott. 1,805,926; May 19.
Curtain and shade fixture. E. Valoppi. 1,819,396; Aug. 18.
Curtain and shade fixture, Combination. J. Cropanese. 1,796,684; Mar. 17.
Curtain and shade hanger. E. Roberts. 1,808,971; June 9.
Curtain, Auto vision. V. J. Christie. 1,814,293; July 14.
Curtain, Automobile. G. P. Koenig. 1,790,349; Jan. 27.
Curtain blind and portière holder, Adjustable. P. J. Fagan. 1.833,777; Nov. 24.
Curtain bracket. K. P. Rybak. 1,806,504; May 19.
Curtain carrier. W. H. Toelle. 1,827,443; Oct. 13.
Curtain control, Automobile. L. J. Morin. 1,823,623; Sept. 15.
Curtain control, Remote. F. E. Twiss. 1,795,745; Mar. 10.
Curtain controller, Automobile window-. B. Ames. 1,798,577; Mar. 31.
Curtain device for radiators. R. O. Hendrickson. 1,823,141; Sept. 15.
Curtain fitting means. F. L. Meneley. 1,836,484; Dec. 15.
Curtain fixture. F. E. Ainsworth. 1,801,477; Apr. 21.
Curtain fixture. J. H. Boye. 1,796,777; Mar. 17.
Curtain fixture. M. J. Brunner. 1,816,824; Aug. 4.
Curtain fixture. C. M. Heublein. 1,791,500; Feb. 10.
Curtain fixture. W. C. Kenny. 1,789,276; Jan. 13.
Curtain fixture. J. L. Mohun and H. Plesch. 1,787,451; Jan. 6.
Curtain fixture. O. Williams. 1,799.344; Apr. 7.
Curtain fixture and supporting brackets therefor. J. H. Boye. 1,804,669; May 12.
Curtain fixture, Detachable. A. Finkbeiner. 1,829,510; Oct. 27.
Curtain, Fluid controlled. N. P. McLeod. 1,820,148; Aug. 25.
Curtain, Foldable. C. H. Nordell and P. E. Erlinder. 1,810,847; June 16.

Curtain for automobiles, Side door. C. P. Weaver. 1,803,883; May 5.
Curtain for canopies, Sliding. E. Mourceau. 1,834,796; Dec. 1.
Curtain for electrolytic cells. L. E. Ward. 1,828,005–6; Oct. 20.
Curtain hanger. C. W. Trowbridge. 1,817,954; Aug. 11.
Curtain hanger. W. Zalewski. 1,802,303; Apr. 21.
Curtain holding device. W. Zury. 1,810,868; June 16.
Curtain holding means. G. W. Dover. 1,836,018; Dec. 15.
Curtain operating device for automobiles and the like. W. S. Atta. 1,828,166; Oct. 20.
Curtain operator device, Rear-. G. J. Wright. 1,796,974; Mar. 17.
Curtain operator device, Rear, G. J. Wright. 1,820,292; Aug. 25.
Curtain operator, Motor vehicle rear. E. E. Hall. 1,810,422; June 16.
Curtain or drape rod attachment. G. A. Veetmeier. 1,801,399; Apr. 21.
Curtain pole, Cornice. C. W. Kirsch. Des. 83,047; Jan. 13.
Curtain, Power hoist. J. B. Maples. 1,837,129; Dec. 15.
Curtain pull. E. C. Healy and N. D. Whalen. 1,822,146; Sept. 8.
Curtain ring and eye. H. Reubel. 1,807,551; May 26.
Curtain rod. C. E. Blakely. 1,798,584; Mar. 31.
Curtain rod. M. J. Brunner. 1,812,857; July 7.
Curtain rod. M. Schwartz. 1,837,340; Dec. 22.
Curtain-rod-adjusting device. J. Shorr. 1,791,006; Feb. 3.
Curtain-rod bracket. Z. Barbas. 1,795,419; Mar. 10.
Curtain rod bracket. S. Blaski. 1,833,818; Nov. 24.
Curtain rod bracket. J. Milarski. Des. 85,488; Nov. 3.
Curtain-rod fixture. A. Marczukowski. 1,799,802; Apr. 7.
Curtain roller. H. D. Sevison. 1,792,771; Feb. 17.
Curtain, Screen. W. Lamp. 1,793,369; Feb. 17.
Curtain, Spring roller. O. E. Loven. 1,807,161; May 26.
Curtain stretcher. L. R. Kubias. 1,789,144; Jan. 13.
Curtain support. J. H. Boye. 1,805,233; May 12.
Curtain support. R. R. Bruckner. 1,807,893; June 2.
Curtain support, Window. D. P. Hynes. 1,803,707; May 5.
Curtain track. B. Settle. 1,798,561; Mar. 31.
Curtains and the like, Device for drawing. A. Rapp. 1,829,297; Oct. 27.
Curtains and the like, Drawing. W. E. Kimber. 1,813,170; July 7.
Curtains, Operating. W. L. Dodge. 1,790,412; Jan. 27.
Curved switch, Inclined-plane. M. Eichelgrün. 1,795,112; Mar. 3.
Curves, Production of cycloidal. L. K. Braren. 1,817,405; Aug. 4.
Cushion: *See*—
Spring cushion. Tire-casing cushion.
Cushion. G. V. Gavaza. 1,806,341; May 19.
Cushion and chucking mechanism for wheel rims, Press. F. J. Rode. 1,793,749; Feb. 24.
Cushion and support, Foot-leveling. P. F. Havey. 1,797,143; Mar. 17.
Cushion cap. F. L. Gillen. 1,799,968; Apr. 7.
Cushion connection. A. J. Jansson. 1,803,937; May 5.
Cushion connection. W. C. Keys. 1,818,715; Aug. 11.
Cushion connection for vehicle construction. A. H. Leipert. 1,787,539; Jan. 6.
Cushion connection for vehicle construction. A. H. Leipert. 1,795,432; Mar. 10.
Cushion filler. J. R. Powell, M. L. Sheely, and R. Smith. 1,812,019; June 30.
Cushion for piping systems, Automatic. D. A. Gillen and F. W. Seymour. 1,824,342; Sept. 22.
Cushion for radiocabinets, Leveling. H. Phillips. 1,798,272; Mar. 31.
Cushion pad. H. J. Burkart. 1,820,047; Aug. 25.
Cushion seat, Folding. C. G. Polleys. 1,814,408; July 14.
Cushion strip. C. W. Howlett and R. Mitchell. 1,799,904; Apr. 7.
Cushion wheel. P. Strukel. 1,797,625; Mar. 24.
Cushioning device for reciprocating sieves and other apparatus. J. Coutin. 1,829,340; Oct. 27.
Cushioning pad. G. W. Swift, jr. 1,830,491; Nov. 3.
Cushioning shield for retractable seats. R. K. Merrill. 1,820,754; Aug. 25.
Cushioning strip. B. B. Felix. 1,805,576; May 19.
Cushions or pads, Method and apparatus for manufacturing. W. O. Skeen, J. W. McCullough and H. S. Thomas. 1,794,480; Mar. 3.
Cusp, Ready made. L. Raymond. 1,807,072; May 26.
Cusp, Ready made. H. J. Russell. 1,826,826; Oct. 13.
Cuspidor, Invalid's. A. S. Kushner. 1,826,137; Oct. 6.
Cuspidor, Sanitary. S. Tamny. 1,825,485; Sept. 29.
Cuspidor, Sunken. A. Audet. 1,834,927; Dec. 8.
Cutlery and the like. N. E. Lees. 1,820,234; Aug. 25.
Cut off and delivery mechanism. B. Johnsen. 1,830,760; Nov. 10.
Cut-off, Automatic. G. L. Jackson. 1,816,223; July 28.
Cut-off device for valve bag filling machines. W. R. Peterson. 1,801,454; Apr. 21.
Cut-off for gas stoves, Automatic. T. Pantelakis. 1,816,791; July 28.
Cut-off mechanism for tube machines. L. C. Maltby. 1,817,996; Aug. 11.
Cut-off mechanism of cigarette making machines. A. Podmore. 1,836,550; Dec. 15.
Cut-off mechanism, Rotary. A. W. Platt. 1,836,390; Dec. 15.
Cut-off, Thermostatic. J. E. McCutchen. 1,806,636; May 26.
Cut-out block, Branch fused. B. D. Horton. 1,792,425; Feb. 10.
Cut-out for series incandescent street-lighting circuits and the like. H. E. Butler. 1,807,381; May 26.
Cutout for series incandescent street lighting circuits and the like. H. R. Crago. 1,807,389; May 26.
Cutout for series incandescent street lighting circuits and the like. J. W. Owens. 1,807,430; May 26.
Cut out, Fused. N. J. Conrad. 1,824,122; Sept. 22.
Cut-out, Primary. N. J. Conrad. 1,818,382; Aug. 11.
Cut-out switch, Battery-. F. S. Denison. 1,796,511; Mar. 17.
Cut-out switch, Microphone radio. J. R. Fouch. 1,814,470; July 14.
Cutter: *See*—
Asparagus cutter.
Bar cutter.
Bean cutter.
Belt cutter.
Bias cutter.
Butter cutter.
Cable cutter.
Cane cutter.
Carbon cutter.
Casing cutter.
Cheese and butter cutter.
Cheese cutter.
Cord cutter.
Cornstalk cutter.
Coupon cutter.
Dandelion cutter.
Dough cutter.
Drill pipe cutter.
Ensilage cutter.
Feed cutter.
Fuse cutter.
Gear cutter.
Grass cutter.
Guarded cutter.
Hair cutter.
Hedge cutter.
Hinge seat cutter.
Hole cutter.
Ice cream cutter.
Joint cutter.
Lacing cutter.
Lead and rule cutter.
Lens cutter.
Meat cutter.
Milling cutter.
Paper cutter.
Paper tube cutter.
Pastry cutter.
Percussion cutter.
Pipe cutter.
Plaster cutter.
Potato cutter.
Power brush cutter.
Roller cutter.
Rotary cutter.
Router cutter.
Scrap cutter.
Seal cutter.
Seed potato cutter.
Sheath cutter.
Shingle cutter.
Sod cutter.
Stalk and weed cutter.
Stalk cutter.
Thread cutter.
Thread generating cutter.
Thread-milling cutter.
Tobacco cutter.
Tractor cutter.
Tube cutter.
Twine cutter.
Vegetable cutter.
Weed cutter.
Wire cutter.
Woodworking cutter.
Cutter. W. C. Carpenter. 1,799,087; Mar. 31.
Cutter. W. J. Drucker. 1,818,467; Aug. 11.
Cutter. A. H. Krogan. 1,826,891; Oct. 13.
Cutter. R. W. McLean. 1,790,106; Jan. 27.
Cutter, D. D. Whitacre. 1,811,412; June 23.
Cutter and binder, Grain. P. Jager. 1,833,836; Nov. 24.
Cutter and cultivator, Surface. O. B. Fitts. 1,802,711; Apr. 28.
Cutter and employing same, Gear. M. H. Johanson. 1,825,733; Oct. 6.
Cutter and guard, Combination. R. J. Crossman. 1,814,668; July 14.
Cutting and handling mechanism, Sheet. E. J. Smith. 1,798,910; Mar. 31.
Cutter and holder, Combined thread. H. L. Blanchard. 1,797,938; Mar. 24.
Cutter and like tool, Rotary milling. H. S. Walker. 1,836,737; Dec. 15.
Cutter and making same, Gear shaped. O. G. Simmons. 1,809,868; June 16.
Cutter and making same, Gear shaper. O. G. Simmons. 1,809,869; June 16.
Cutter and making same, Hob. C. G. Olson. 1,829,292; Oct. 27.
Cutter attachment for tractors, Stalk. O. T. Minor. 1,813,631; July 7.
Cutter attachment, Hair. W. J. Van Osdel. 1,807,811; June 2.
Cutter attachment, Stalk. A. L. Fortson. 1,810,415; June 16.
Cutter bars, Divider for. K. E. and M. E. Hei. 1,793,931; Feb. 24.
Cutter bars of mowing machines, Support for. J. W. Hardy. 1,809,751; June 9.
Cutter, cultivator, and filler, Adjustable weed. R. W. Smythe. 1,787,877; Jan. 6.
Cutter device, Rotary. R. S. McKeage. 1,803,068; Apr. 28.
Cutter, Drill pipe. K. Mitchell. 1,805,703; May 19.
Cutter expander. H. O. Hall. 1,831,303; Nov. 10.
Cutter for defiberizing or shredding redwood bark, wood, and mill waste. C. H. and J. A. Brown. 1,827,352; Oct. 13.
Cutter for rolled paper, Paper. D. H. Ross. 1,821,947; Sept. 8.
Cutter for round metal objects, Power. F. W. Erickson. 1,814,675; July 14.
Cutter for sewing machines, Thread. N. H. Woolsey. 1,813,374; July 7.
Cutter for tape-applying machines. A. R. Ridderstrom. 1,794,205; Feb. 24.
Cutter for trolley wires, Sleet. A. J. Challeen. 1,838,091; Dec. 29.
Cutter for turntable covers. L. Bonsieur. 1,821,611; Sept. 1.

Cutter for vegetables and fruits. A. Bromberg. 1,811,743; June 23.
Cutter guard. A. White. 1,807,561; May 26.
Cutter guard for agricultural implements. A. L. Gilliam. 1,789,403; Jan. 20.
Cutter head. H. C. Koch. 1,826,889; Oct. 13.
Cutter head. F. L. Lane. 1,820,231; Aug. 25.
Cutter head. E. S. Shimer. 1,823,846; Sept. 15.
Cutter head. H. E. Tautz. 1,830,813; Nov. 10.
Cutter head. H. S. Walthers. 1,807,185; May 26.
Cutter head. H. S. Walthers and V. E. Martin. 1,192,205; Feb. 10.
Cutter head. H. S. Walthers and V. E. Martin. 1,803,741; May 5.
Cutter head for boring bars or the like. F. S. Hartwell. 1,792,905; Feb. 17.
Cutter head for corn cutting machines. F. W. Douthitt. 1,828,647–9; Oct. 20.
Cutter head for meat skinning machines. C. E. Merrick. 1,803,341; May 5.
Cutter head for rotary gear cutting tools. E. Wildhaber. 1,820,416; Aug. 25.
Cutter heads, Knife-clamping device for. C. Philbrick. 1,799,120; Mar. 31.
Cutter or cultivator, Rotary soil. J. A. Dirschauer. 1,797,824; Mar. 24.
Cutter or oil well casing cutter, Internal pipe. R. G. Barnard. 1,830,524; Nov. 3.
Cutter truing device. E. C. Head. 1,836,662; Dec. 15.
Cutters and creasers, Throw-off mechanism for. C. F. Frauenberger. 1,791,163; Feb. 3.
Cutters, Making milling. C. G. Olson. 1,815,324; July 21.
Cutters, Method of and machine for relieving. J. Edgar. 1,809,377; June 9.
Cutting and coating machine. H. H. Weaver and E. A. Bolen. Re18,035; Apr. 7.
Cutting and delivery apparatus for bag lengths. C. G. Kronmiller. 1,825,405; Sept. 29.
Cutting and feeding machine, Sheet. C. B. Maxson. 1,804,223; May 5.
Cutting and folding machines, Feeding mechanism for. C. J. Beck. 1,826,495; Oct. 6.
Cutting and stripping machine. K. H. Andrén and H. T. Olsen. 1,787,658; Jan. 6.
Cutting and stripping machine. W. W. and C. C. Spadone. 1,804,034; May 5.
Cutting and swatching mechanism. C. A. Upson and O. R. Winter. 1,817,113; Aug. 4.
Cutting and welding machine. A. Schmidt. 1,825,606; Sept. 29.
Cutting and welding machine, Portable. J. L. Anderson. 1,811,835; June 30.
Cutting apparatus, Autogenous. H. Greggersen. 1,801,916; Apr. 21.
Cutting apparatus, Rotary. C. G. Olson. 1,829,532; Oct. 27.
Cutting block. F. H. Ellis. 1,814,136; July 14.
Cutting-block dresser. M. Werber. 1,796,879; Mar. 17.
Cutting block, Reinforced. H. L. Glidden. 1,833,111; Nov. 24.
Cutting, collecting, and folding mechanism, Sheet. C. S. Crafts. 1,826,601; Oct. 6.
Cutting couple. H. C. Jordhoy. 1,789,179; Jan. 13.
Cutting device. J. H. Hendrick. 1,805,399; May 12.
Cutting device, Can-end-. J. Coyle. 1,789,729; Jan. 20.
Cutting device for automatic lathes, Screw. O. Schaerer and F. Poppensieker. 1,805,998; May 19.
Cutting device for ends of tubes. H. W. Sieffert. 1,790,601; Jan. 27.
Cutting device, Grass-. M. A. Kishell. 1,800,081; Apr. 7.
Cutting device, Meat. A. C. Schueren. 1,803,489; May 5.
Cutting device, Screw-thread-. W. C. Johnson. 1,796,333; Mar. 17.
Cutting die. F. Ditchfield. 1,787,815; Jan. 6.
Cutting die, Screw thread. A. H. Lloyd. 1,813,456; July 7.
Cutting die structure. C. A. Cadenbach. 1,814,824; July 14.
Cutting drinking tubes, Apparatus for. E. Conti. 1,813,340; July 7.
Cutting element. C. W. Noble. 1,792,505; Feb. 17.
Cutting element. C. W. Noble. 1,792,546; Feb. 17.
Cutting equipment for plastic sheet material. A. C. Fischer, B. A. Stewart, and H. W. Herbst. 1,827,193; Oct. 13.
Cutting head for shapers. J. P. Coeling. 1,810,947; June 23.
Cutting holes, Method of and machine for. H. Hentschel and H. Greggersen. 1,812,239; June 30.
Cutting implement. C. A. Bryant. 1,802,906; Apr. 28.
Cutting implement. E. A. Gallison, and A. S. MacDonald. 1,804,977; May 12.
Cutting implement. F. E. Huhn and T. C. Sheehan. 1,796,870; Mar. 17.
Cutting implement. H. Stueckman. 1,822,828; Sept. 8.
Cutting implement. J. H. Upton. 1,812,387; June 30.
Cutting instrument. O. M. Bratrud. 1,833,406; Nov. 24.
Cutting machine. K. H. Andrén and H. T. Olsen. 1,787,657; Jan. 6.
Cutting machine. Z. P. Candee. 1,798,929; Mar. 31.
Cutting machine. A. E. Collins and S. D. McLaughlin. 1,797,638; Mar. 24.
Cutting machine. H. S. Deck. 1,825,223; Sept. 29.
Cutting machine. J. A. Doane. 1,832,190; Nov. 17.
Cutting machine. W. Maier. 1,824,163; Sept. 22.
Cutting machine. J. F. Williams and P. H. Hutchinson. 1,834,755; Dec. 1.
Cutting machine and support. V. V. Colby. 1,799,215; Apr. 7.
Cutting machine, Butter. W. H. Russell. 1,833,131; Nov. 24.
Cutting machine, Cloth-. M. F. Berg. 1,799,579; Apr. 7.
Cutting machine, Cloth. A. G. Wagner. 1,815,017–18; July 14.
Cutting machine, Fish. E. A. Soderberg. 1,807,448; May 26.
Cutting machine for paper, cardboard, and similar material with automatic feed. K. Biagosch. 1,814,890; July 14.
Cutting machine, Gear-. A. H. Candee. 1,799,085; Mar. 31.
Cutting machine, Key. M. Falk. 1,803,428; May 5.
Cutting machine, Potato. J. A. and C. G. Bergren. 1,810,459; June 16.
Cutting machine, Rapid-. T. N. Solomon. 1,800,482; Apr. 14.
Cutting machine, Rotary vegetable. C. B. Rohland. 1,803,769; May 5.
Cutting machine, Scroll. R. E. Hallings. 1,809,381; June 9.
Cutting machine, Sheet. A. B. Saunders. 1,805,743; May 19.
Cutting machine, Sheet. G. Spiess. 1,810,442; June 16.
Cutting machine with revolving knife. A. Kaltenbach and R. Voight. 1,796,463; Mar. 17.
Cutting machines and the like. Positioning means in paper. K. Stegmann. 1,825,928; Oct. 6.
Cutting machines, Attachment for. E. Cheshire. 1,807,895; June 2.
Cutting machines, Attachment for doughnut blank. J. H. Müller. 1,814,951; July 14.
Cutting machines, Sausage mixing and stuffing attachment for meat-. C. C. Wilson. 1,796,677; Mar. 17.
Cutting machines, Set works for wood. J. E. Eckersley. 1,806,526; May 19.
Cutting material, Apparatus for and method of. E. J. Grant. 1,804,764; May 12.
Cutting mechanism. W. Maier. 1,790,937; Feb. 3.
Cutting mechanism. W. E. Molins. Re18,300; Dec. 29.
Cutting mechanism. E. P. Sheldon. 1,797,448; Mar. 24.
Cutting mechanism, Cable. J. F. Howe. 1,823,103; Sept. 15.
Cutting mechanism for sheets. P. A. Gollnick and J. J. Toolan. 1,807,840; June 2.
Cutting mechanism for the paper strip of recording machines. F. Schleth. 1,799,067; Mar. 31.
Cutting-off device. A. J. Cagliostro. 1,823,853; Sept. 15.
Cutting off machine. J. G. Kay and L. C. Scheuring. 1,830,876; Nov. 10.
Cutting operations and apparatus therefor, Rotary. J. J. Buckley. 1,809,019; June 9.
Cutting or ornamenting die. A. W. Altvater. 1,809,823; June 16.
Cutting or punching machine. J. Husler. 1,809,040; June 9.
Cutting or scoring machine. R. H. Russell. 1,834,970; Dec. 8.
Cutting, sawing, slotting, and similar apparatus. J. H. Schell. 1,829,679; Oct. 27.
Cutting shears, Cylindrical. E. J. Richard. 1,816,056; July 28.
Cutting, stamping, and photo printing machines, Automatic. R. de Silva and M. E. Long. 1,817,880; Aug. 4.
Cutting, trimming, and ornamenting machine. A. W. Altvater. 1,807,952; June 2.
Cutting vegetables, Device for. Pokorný and J. Nesměrák. 1,809,792; June 9.
Cyanamide-formaldehyde condensation product and making same. H. Schmidt. 1,791,433; Feb. 3.
Cyanid from alkaline liquors, Recovering of. C. W. Lawr. 1,810,487; June 16.
Cyanide recovery process. L. D. Mills and T. B. Crowe. 1,809,248; June 9.
Cyanogen formarylides, Manufacture of. J. Pfleger. 1,813,760; July 7.
Cycle, Highway foot. D. Harston. 1,798,794; Mar. 31.
Cycle-pedals, Counterpoise attachment particularly for. A. and A. Talke. 1,834,296; Dec. 1.
Cycle positioning mechanism, Full. G. C. Chase. Re18,130; July 21.
Cycle, Towable. A. L. Hess. 1,820,189; Aug. 25.
Cyclic variations in a rotating member, Determining. A. C. Keller. 1,804,168; May 5.
Cycles, Speed reducing mechanism for training. S. Morse. 1,825,083; Sept. 29.
Cylinder. G. P. Heiner. 1,788,950; Jan. 13.
Cylinder, Acetylene. B. Miller. 1,799,803; Apr. 7.
Cylinder and piston. G. M. Barnes. 1,806,884; May 26.
Cylinder and piston head, Convex. W. E. Goldsborough. 1,833,711; Nov. 24.
Cylinder and securing sheets thereto, Printing and other. G. T. Baldwin. 1,795,700; Mar. 10.
Cylinder and supporting structure therefor, Locomotive. A. W. Bruce. 1,818,604; Aug. 11.
Cylinder, Compressor. J. O. Lewis. 1,791,364; Feb. 3.
Cylinder for internal combustion engines. V. Valletta. 1,819,759; Aug. 18.

Cylinder for looms, Composition. M. J. Smith and H. I. Chilson. 1,793,722; Feb. 24.
Cylinder for paper coating machines and the like. C. W. Mayer. 1,837,562; Dec. 22.
Cylinder for rotary intaglio printing machines, Form. E. Sachs. 1,807,637; June 2.
Cylinder for rotary printing machines, Printing. A. J. Barton. 1,795,702; Mar. 10.
Cylinder-forming machine. W. R. Myers. 1,795,668; Mar. 10.
Cylinder, Freezing. L. S. Pfouts. 1,808,065; June 2.
Cylinder gauge. C. B. Litterio. 1,804,383; May 5.
Cylinder head. T. C. Alexander. 1,838,080; Dec. 29.
Cylinder head. A. M. Niven. 1,820,628; Aug. 25.
Cylinder head. W. H. Radford. 1,792,867; Feb. 17.
Cylinder head, Antidetonating combustion-chamber. F. A. Bullington. 1,800,188; Apr. 7.
Cylinder head for internal-combustion engine. A. Büchi. 1,791,920; Feb. 10.
Cylinder head for internal-combustion engines. A. Büchi. 1,797,939; Mar. 24.
Cylinder head for internal combustion engines. E. W. Evans. 1,803,102; Apr. 28.
Cylinder head for internal combustion motors. R. Friedl. 1,812,289; June 30.
Cylinder head for internal-explosion engines. I. E. Aske. 1,792,057; Feb. 10.
Cylinder head machining fixture. O. L. Snyder. 1,817,400; Aug. 4.
Cylinder head stand. W. L. R. Trimble. 1,805,320; May 12.
Cylinder hone. P. C. Grover. 1,803,701; May 5.
Cylinder lock. E. N. Jacobi. 1,789,755; Jan. 20.
Cylinder lock. F. Schori. 1,823,411; Sept. 15.
Cylinder lock. F. E. Thompson and A. Lawrence. 1,835,725; Dec. 8.
Cylinder manifold for internal-combustion engine. H. T. Herr. 1,799,369; Apr. 7.
Cylinder, Manufacturing an engine. H. T. Herr. 1,820,069; Aug. 25.
Cylinder, Master. A. D. Pentz. 1,819,482; Aug. 18.
Cylinder of internal combustion engines. H. Austin. 1,816,819; Aug. 4.
Cylinder of internal-combustion engines. E. Mandler. 1,791,824; Feb. 10.
Cylinder, Printing-press. W. H. Banzett. 1,789,292; Jan. 20.
Cylinder-turning device for use particularly in continuous steaming machines. S. H. Franklin. 1,799,978; Apr. 7.
Cylindrical scanning. W. Howey. 1,815,105; July 21.
Cylindrical structure. V. F. Hammel. 1,793,928; Feb. 24.
Cylinders, Apparatus for radially contracting and elongating metal. F. C. Langenberg. 1,192,229; Feb. 10.
Cylinders, Construction of engine. H. Junkers. 1,818,558; Aug. 11.
Cylinders, Making glass. N. Kopp. 1,824,216; Sept. 22.
Cylinders of internal combustion engines, Construction of the. M. J. B. Barbarou. 1,825,769; Oct. 6.
Cylinders, Process and apparatus for engraving printing. P. Bonnaud and L. M. A. Jourdan. 1,788,229; Jan. 6.
Cylinders used in rotary photogravure printing, Making. J. F. Springstead. 1,832,255; Nov. 17.
D-handle. J. H. Wily. 1,819,142; Aug. 18.
D-handles, Forming. W. A. Ready. 1,812,373; June 30.
D handles, Mechanism for forming split. L. E. Webster. 1,835,546; Dec. 8.
D-top. W. H. Bergmann. 1,802,166; Apr. 21.
D-top. G. A. McKeel. 1,802,153; Apr. 21.
Dairy apparatus. C. Mortensen. 1,793,631; Feb. 24.
Dairy appliance. T. B. Venske. 1,838,721; Dec. 29.
Dairy products, Pasteurizing. J. H. Baumgartner, and H. Doering. 1,802,455; Apr. 28.
Dam. C. F. Gröner. 1,814,509; July 14.
Dam. J. S. Miller. 1,809,636; June 9.
Dam. F. A. Noetzli. 1,836,333; Dec. 15.
Dam. H. Schorer. 1,796,898; Mar. 17.
Dam and constructing the same. F. A. Noetzli. 1,808,904; June 9.
Dam, Arch. L. R. Jorgensen. 1,805,986; May 19.
Dam construction. K. L. Kidd. 1,829,864; Nov. 3.
Dam construction. Joseph Kračmer. 1,804,696; May 12.
Dam construction. G. Simchuk. 1,797,517; Mar. 24.
Dam construction. O. Wartemann. 1,807,358; May 26.
Dam, Movable. H. Tahara. 1,810,449; June 16.
Dam, Reenforced concrete. H. Sorensen. 1,816,797; July 28.
Dams, Protecting. S. D. Henry. 1,802,714; Apr. 28.
Dampener. C. Breer. 1,828,278; Oct. 20.
Dampening appliance. H. V. Major. 1,789,763; Jan. 20.
Dampening device. J. Schultz. 1,812,720; June 30.
Damper. J. S. Knee. 1,834,458; Dec. 1.
Damper. W. B. Sturgis. 1,787,738; Jan. 6.
Damper, Automatic. W. F. Jaeger. 1,800,076; Apr. 7.
Damper, Automatic. W. D. Luce. 1,807,066; May 26.
Damper, Automatic. C. A. Tjernhlom. 1,830,575; Nov. 3.
Damper control, Automatic. A. D. Shiland. 1,835,907; Dec. 8.
Damper control device. T. B. Cowles. 1,810,464; June 16.
Damper control for house-heating systems. R. T. Williams. 1,791,589; Feb. 10.
Damper control for unit heaters, Combustible. L. D. Harnett. 1,816,217; July 28.
Damper control system. K. Fraser. 1,813,395; July 7.
Damper, Fireplace. C. A. Quist. 1,830,073; Nov. 3.
Damper, Flywheel vibration. K. R. Manville. 1,838,023; Dec. 22.
Damper for air-cooled engines, Thermostatically-controlled. E. S. Marks. 1,800,026; Apr. 7.
Damper for fireplaces. C. Ohran. 1,837,061; Dec. 15.
Damper, Frictional vibration. P. E. Matthews. 1,799,630; Apr. 7.
Damper operator. D. J. Stewart. 1,836,515; Dec. 15.
Damper, Pipe. H. Knutson. 1,828,052; Oct. 20.
Damper, Radiator-box. C. C. Shipp. 1,797,246; Mar. 24.
Damper, Torque. B. Loeffler. 1,820,749; Aug. 25.
Damper, Torsional vibration. A. F. Stamm and F. K. Knohl. 1,815,807; July 21.
Damper, Vibration. F. M. Guy. 1,822,026; Sept. 8.
Damper, Vibration. R. W. Judson. 1,825,402; Sept. 29.
Damper, Vibration. A. F. Stamm. 1,815,808; July 21.
Damping control. N. H. Clough. 1,829,706; Oct. 27.
Damping device. W. R. Griswold. 1,830,105; Nov. 3.
Dancing figure. M. J. Hand. 1,787,745; Jan. 6.
Dandelion cutter. J. E. Critz. 1,828,129; Oct. 20.
Dandy roll. W. G. Trotman. 1,815,939; July 28.
Danger signal, Road. A. L. Stanford. Des. 83,473; Feb. 24.
Darning form, Hosiery. B. S. Cameron. Des. 84,622; July 14.
Dashpot. H. A. Haldey. 1,837,815; Dec. 22.
Dashpot. L. D. Walden. 1,810,233; June 16.
Dash pot mechanism. O. W. Andersen. 1,828,383; Oct. 20.
Data computer. R. L. Goetzenberger. 1,825,659; Oct. 6.
Data or information, Apparatus for recording and indicating or displaying. W. G. Horton. 1,795,171; Mar. 3.
Dating and numbering mechanism. M. O. Jones and W. P. Shomaker. 1,792,642; Feb. 17.
Davenport. J. D. Bell. 1,789,094; Jan. 13.
Davenport. J. D. Bell. 1,800,496; Apr. 14.
Davenport and bed, Combined. W. Westphal. 1,800,579; Apr. 14.
Davenport, Bed. G. W. Barnes. 1,793,770; Feb. 24.
Davenport, Bed. J. D. Bell. 1,800,497; Apr. 14.
Davenport bed. M. Fox. 1,809,812; June 9.
Davenport or bed, Folding. W. J. Duvall. 1,824,773; Sept. 29.
Davit and operating means therefor. A. W. Lyda. 1,792,995; Feb. 17.
Davit, Boat. A. W. Kipling. 1,794,302; Feb. 24.
Davit for lifeboats. C. H. Fuller. 1,828,363; Oct. 20.
Davit tackle hook. S. H. Hopkins. 1,793,401; Feb. 17.
Davit winch. J. A. Mellon. 1,806,482; May 19.
Day-bed, chaise longue, and chair. M. L. De Bretteville. 1,825,055; Sept. 29.
Dead end clamp. H. E. McDowell. 1,825,913; Oct. 6.
Dead end clamp. L. B. Myers. 1,818,571; Aug. 11.
Dead-fall trap. L. H. Myers. 1,794,240; Feb. 24.
Debarking machine. H. S. Mitchell and R. V. Schafer. 1,817,158; Aug. 4.
Deburring machine. W. Perks. 1,811,519; June 23.
Decalcomania. R. Tull. 1,826,228; Oct. 6.
Decalcomania and decalcomania paper. A. B. Poschel. 1,811,804; June 23.
Decalcomania, and making the same. A. Bihr. 1,803,836; May 5.
Decalcomania transfer sheet. W. Hopper. Des. 85,334; Oct. 13.
Decalcomania transfer sheet. W. Hopper. Des. 85,434; Oct. 27.
Decelerator. C. C. Chapel. 1,810,128; June 16.
Decimal signs in calculating machines, Mechanism for adjusting. F. Bley. 1,799,037; Mar. 31.
Deck block. F. W. Merriman. 1,837,628; Dec. 22.
Deck construction for vehicle bodies. W. Marshall. 1,807,298; May 26.
Deck for trucks, trailers and the like. E. H. Polk. 1,820,321; Aug. 25.
Deck plate clip. R. C. Mahon and W. G. Miller. 1,810,287; June 16.
Deck structure for barges. W. G. Esmond. 1,832,896; Nov. 24.
Deck structure, Metallic. A. H. Schaffert. 1,801,240; Apr. 14.
Deck structure, Metallic. H. E. White. 1,816,556; July 28.
Deck unit, Combination forward. H. E. Dodge. 1,794,160; Feb. 24.
Decking device. A. Copony. 1,824,983; Sept. 29.
Decking device. C. L. Snyder. 1,792,330; Feb. 10.
Decking device. C. L. Snyder. 1,812,807; June 30.
Deckle edging device. P. O. Dodge. 1,820,303; Aug. 25.
Decolorizing agents, Treating. R. C. Palmer. 1,794,537; Mar. 3.
Decolorizing material and producing same. W. S. Baylis. 1,792,625; Feb. 17.
Decolorizing materials, Revivifying used. C. K. Parker and F. A. Bent. 1,806,020; May 19.
Decolorizing substance. W. Kritchevsky. 1,810,658; June 16.
Decorated article and producing the same. L. C. Byck and G. L. Peakes. 1,815,234; July 21.
Decorating and apparatus therefor. F. F. Conwill. 1,794,671; Mar. 3.
Decorating machine, apparatus and method, Surface. L. V. and G. E. Lang. 1,807,894; June 2.
Decorating of a fabric and device for carrying out the said process, Continuous process for the. H. Dennis. 1,811,497; June 23.

Decorative device. L. J. Palmer. 1,832,576; Nov. 17.
Decorative device. L. Propp. 1,812,116; June 30.
Decorative effects by spotting or mottling, Method and apparatus for producing. R. F. Grady, jr. 1,825,227; Sept. 29.
Decorative effects upon textile fabrics by brilliant metallic deposits, Obtainment of. M. C. R. Hedde. 1,817,311; Aug. 4.
Decorative material and making the same. A. S. Allen. 1,802,547; Apr. 28.
Decorative panel for insertion in jewelry. H. J. Herff. Des. 84,035; Apr. 28.
Decorative products. M. M. Assael. 1,819,535; Aug. 18.
Decorticating and depulping machine. K. Erb. 1,790,980; Feb. 3.
Decorticating and depulping machine and method. K. Erb. 1,794,065; Feb. 24.
Decoy. P. J. Gazecki and L. H. Gazecki. 1,789,649; Jan. 20.
Decoy. C. C. Haigler. 1,806,456; May 19.
Decoy apparatus for dog races. C. A. Smith. 1,835,346; Dec. 8.
Decoy, Collapsible. W. H. Cook. 1,822,763; Sept. 8.
Decoy, Collapsible. E. W. Hukill and C. A. Brannger. 1,801,961; Apr. 21.
Decoy duck. W. B. Chelini. 1,831,286; Nov. 10.
Decoy duck setter. R. B. Prince. 1,836,504; Dec. 15.
Decoy, Hunter's duck. J. E. Villatore and R. Anello. 1,813,370; July 7.
Defibrating apparatus and process. G. L. Blanchard. 1,796,280; Mar. 17.
Deflating device. R. P. Harvey. 1,809,897; June 16.
Deflecting mechanism. L. Stalder. 1,818,169–70; Aug. 11.
Deflecting switch, Selective. H. R. Gotthardt and W. E. Cain. 1,808,134; June 2.
Deflection recorder. W. E. Cummins. 1,797,943; Mar. 24.
Deflector. J. R. Cole. 1,815,035; July 21.
Deflector, Air. J. T. Bond. Re18,305; Dec. 29.
Deflector and ventilator, Wind. A. W. Moree. 1,830,616; Nov. 3.
Deflector control mechanism. C. S. Jennings and L. C. Allen. 1,803,391; May 5.
Deflector for slicing machines. J. Folk. 1,811,845; June 30.
Deflector, Prerinse. L. O. Dufford. 1,825,718; Oct. 6.
Deflector, Side scrap. F. Dustan and H. W. Cross. 1,800,443; Apr. 14.
Deflector, Sliding. A. Olson. 1,825,247; Sept. 29.
Deflector, Ventilator. J. A. Fraser. 1,791,494; Feb. 10.
Deflector, Water. A. J. Janalik. 1,827,009; Oct. 13.
Defroster, Window. T. J. French. 1,817,305; Aug. 4.
Defrosting apparatus. E. S. Hebeler. 1,819,510; Aug. 18.
Defrosting device for refrigerators. G. S. Fleece. 1,819,324. Aug. 18.
Defrosting mechanism. L. H. Vold. 1,833,544; Nov. 24.
Defrosting refrigeration system. V. P. Warren. 1,827,410; Oct. 13.
Degradation products from cellulose like substances and cellulose containing materials, Production of. R. Gorgarten and J. S. Arthur. 1,806,531; May 19.
Degreasing apparatus. M. De W. Hirst. 1,795,170; Mar. 3.
De-hairing machine. F. R. Newman. 1,815,929; July 28.
Dehairing machine, Pelt or skin. P. C. Donner. 1,795,643; Mar. 10.
Dehumidifier and apparatus for air treating. T. Chester. 1,791,751; Feb. 10.
Dehydrating agent and preparing it. G. F. Smith. 1,798,175; Mar. 31.
Dehydrating apparatus. R. M. Washburn. 1,817,048; Aug. 4.
Dehydrating apparatus having preliminary agglomerator. H. C. Eddy. 1,796,750; Mar. 17.
Dehydrating composition. H. H. Baker. 1,798,862; Mar. 31.
Dehydrating press. H. M. Halls. 1,787,821; Jan. 6.
Dehydration. W. Biltz. 1,813,272; July 7.
Dehydrator. H. C. Eddy. 1,838,913; Dec. 29.
Dehydrator. H. F. Fisher. 1,838,921; Dec. 29.
Dehydrator. H. M. Griffoul. 1,805,173; May 12.
Dehydrator, Compound field. H. C. Eddy. 1,838,912; Dec. 29.
Dehydrator, Double field. H. C. Eddy, J. T. Worthington, and F. D. Mahone. 1,838,917; Dec. 29.
Dehydrator, Electrical. W. F. Van Loenen. 1,838,890; Dec. 29.
Dehydrator having blade electrode, Electrical. W. O. Eddy. 1,838,920; Dec. 29.
Dehydrator having high resistance wall. C. W. Girvin. 1,838,937; Dec. 29.
Dehydrator having hygroscopic emulsion inlet. H. F. Fisher. 1,838,923; Dec. 29.
Dehydrator having means for providing internal dry oil circulation. H. F. Fisher. 1,838,925; Dec. 29.
Dehydrator having radial Venturi-type electrodes. J. T. Worthington. 1,838,979; Dec. 29.
Dehydrator having rotatable emulsion distributor. W. O. Eddy. 1,838,919; Dec. 29.
Dehydrator having two live electrodes. H. C. Eddy. 1,838,911; Dec. 29.
Dehydrator having various intermittent voltages. W. O. Eddy. 1,838,374; Dec. 29.
Dehydrator, Rotating disk. W. O. Eddy. 1,838,918; Dec. 29.
Dehydrator, Spray. J. A. Martocello. 1,827,092; Oct. 13.
Dehydrator with centrifugal discharge electrodes. J. T. Worthington and H. C. Eddy. 1,838,980; Dec. 29.
Dehydrator with free moving live electrode, Electrical. F. W. Harris. 1,838,828; Dec. 92.
Dehydrator with high field intensity grounded electrode. H. F. Fisher. 1,838,924; Dec. 29.
Dehydrator with means for directing emulsion through high intensity field. H. F. Fisher. 1,838,928; Dec. 29.
Dehydrators, Method of and apparatus for mechanically reestablishing the dielectric field in. L. Lawrason. 1,838,847; Dec. 29.
Delineated area. C. Ellis. 1,804,389; May 12.
Deliquescent material, Dissolving a. G. A. Mau. 1,800,894; Apr. 14.
Delivery apparatus. A. M. Lee. Re18,155; Aug. 18.
Delivery apparatus for molten glass. W. T. Barker, jr. 1,816,309; July 28.
Delivery mechanism. E. F. Dudley. 1,811,618; June 23.
Delivery mechanism. A. Novick. 1,791,569; Feb. 10.
Delivery mechanism for paper tubes. C. F. Smith. 1,789,479; Jan. 20.
Demand meter. H. Chrisman. 1,826,272; Oct. 6.
Demand meter, Recording. B. G. La Bar and W. G. Mylius. 1,834,406; Dec. 1.
Demonstration and advertising purposes, Apparatus for. P. Hönig. 1,795,128; Mar. 3.
Demountable wheel. A. C. Hynan. 1,814,161; July 14.
Demountable wheel. A. Longpré. 1,827,531; Oct. 13.
Demountable wheel. A. E. Mulhern and W. C. Self. 1,837,574; Dec. 22.
Denominator machine. C. Leano. 1,815,515; July 21.
Density of organic compounds before fusion with caustic alkali, Increasing the apparent. J. F. Wait. 1,820,684; Aug. 25.
Dent remover. B. W. Sunde. 1,837,690; Dec. 22.
Dental apparatus. J. M. Craigo. 1,793,840; Feb. 24.
Dental apparatus. F. B. Eggler. 1,805,309; May 12.
Dental apparatus. P. Manternach. 1,799,695; Apr. 7.
Dental appliance. F. M. Howe. 1,832,303; Nov. 17.
Dental appliance. F. C. Scadding. 1,795,098; Mar. 3.
Dental appliance. L. C. Whitlock. 1,813,650; July 7.
Dental articulator. L. G. Coble. 1,811,747; June 23.
Dental articulator. C. Fritzenwallner. 1,814,750; July 14.
Dental casting post. D. R. Evans. 1,808,102; June 2.
Dental cement and making same. J. E. Thomsen. 1,792,200; Feb. 10.
Dental chair. H. E. Weber. 1,814,877; July 14.
Dental chair elevator. H. E. Weber. 1,814,874; July 14.
Dental cleaner package. B. F. Wupper. 1,832,604; Nov. 17.
Dental device. E. W. Byars. 1,833,671; Nov. 24.
Dental elevator. A. Barone. 1,806,592; May 26.
Dental equipment. M. D. Goldberg. 1,806,159; May 19.
Dental flask. W. J. Clark. 1,825,051; Sept. 29.
Dental flask. C. Fritzenwallner. 1,796,597; Mar. 17.
Dental floss. C. Pfanstiehl. 1,789,052; Jan. 13.
Dental furnace. O. A. Colby. 1,810,643; June 16.
Dental gauge. L. A. Pray. 1,804,567; May 12.
Dental handpiece. J. R. Impey. 1,834,157; Dec. 1.
Dental handpiece. O. H. Pieper. 1,835,961; Dec. 8.
Dental hand piece chuck. R. W. Brown. 1,837,403; Dec. 22.
Dental impression band. W. P. Lace. 1,812,008; June 30.
Dental instrument. O. A. Grove. 1,796,367; Mar. 17.
Dental instrument. C. E. Schultze. 1,821,079; Sept. 1.
Dental instruments and the like, Electrical distributing and control apparatus for. W. Gowie. 1,796,097; Mar. 10.
Dental ligature applicator. A. T. S. Yates. 1,832,173; Nov. 17.
Dental machine. J. M. Craigo. 1,793,210; Feb. 17.
Dental machine. J. M. Craigo. 1,823,090; Sept. 15.
Dental plate suction cap attaching means. I. Kulik. 1,807,850; June 2.
Dental plates, Apparatus for swaging. M. Charlier. 1,804,318; May 5.
Dental plates, Swaging. M. Charlier. 1,833,411; Nov. 24.
Dental recorder. G. P. Phillips. 1,799,528; Apr. 7.
Dental suction plate. K. Heitmüller. 1,795,025; Mar. 3.
Dental unit. C. W. Moore. 1,815,953; July 28.
Dental unit. A. E. Pieper. 1,802,529; Apr. 28.
Dental unit standard. H. E. Weber. 1,814,875; July 14.
Dental wax eliminator. G. W. Harris. 1,815,060; July 21.
Dentifice. B. B. Badanes. 1,817,664; Aug. 4.
Denture. J. F. Maizner. 1,814,717; July 14.
Denture. W. J. Pryor. 1,831,606; Nov. 10.
Denture. E. Roberts. 1,825,286; Sept. 29.
Denture and making the same, Artificial. H. D. Morgan. Re18,311; Dec. 29.
Denture, Artificial. E. Fogg. 1,801,040; Apr. 14.
Denture, Artificial. W. E. Kempf. 1,825,593; Sept. 29.
Denture, Artificial. E. A. Sattler. 1,804,812; May 12.
Denture bases and dies for the same, Making swaged. R. W. Erdle. 1,834,123; Dec. 1.
Denture connection. F. J. Kent. 1,799,469; Apr. 7.
Denture manufacture. G. W. Slight. 1,798,279; Mar. 31.
Denture retaining device. F. C. Montuori. 1,826,014; Oct. 6.
Dentures, Attaching means for removable. C. H. Scheu. 1,805,264; May 12.
Dentures, Brush for cleaning artificial. J. F. Manley. 1,805,587; May 19.

Dentures, Method and apparatus for constructing artificial. E. D. Ralph. 1,815,956; July 28.
Dentures, Production of. W. S. Rice. 1,813,583; July 7.
Deodorant powder. F. C. Weber. 1,813,004; July 7.
Deodorizer for the acceleration of the ripening of organic fertilizers, Powdered. K. Yamaji. 1,791,918; Feb. 10.
Deodorizing device. E. J. Reefer. 1,816,442; July 28.
Deodorizing unit. J. D. Cole. 1,798,457; Mar. 31.
Deoxidizer. J. G. Ford and W. C. Wilharm. 1,825,226; Sept. 29.
Deoxidizer. A. H. Maude, C. J. Rodman, C. A. Styer, and W. C. Wilharm. 1,821,388; Sept. 1.
Dephlegmating apparatus. G. Egloff and H. P. Benner. 1,812,261; June 30.
Dephlegmating apparatus for distilling plants. F. M. Hess. 1,820,741; Aug. 25.
Dephlegmator. L. C. Huff. 1,839,030; Dec. 29.
Dephlegmator. J. D. Seguy. 1,806,089–90; May 19.
Dephlegmators, Cleaning. L. C. Huff. 1,803,969; May 5.
Depolarizing mixtures, Preparing. G. W. Heise. 1,801,743; Apr. 21.
Depositing machine. F. G. Salerno. 1,801,573; Apr. 21.
Deposits of oil, gas, and other dielectric subterranean bodies, Method of and apparatus for locating. L. C. Billotte and C. Lipson. 1,808,397; June 2.
Depth cut indicator. A. Schmid. 1,827,265; Oct. 13.
Depth gauge. E. K. Norton. 1,833,850; Nov. 24.
Depth gauge, Micrometer. P. W. Hansen. 1,817,622; Aug. 4.
Depth in projection pictures, Method and apparatus for producing visual. J. W. Ogletree. 1,802,570; Apr. 28.
Derivatives from sulphite cellulose waste, Manufacture of new. A. J. Hailwood. 1,812,693; June 30.
Derivatives of 1-2 diamino ethane, Manufacture of aromatic. H. A. Morton. 1,836,486; Dec. 15.
Derivatives of unsaturated fatty acids, Production of acid and lime resisting. F. Münz. 1,836,487; Dec. 15.
Derivatives of vat dyestuffs, Manufacture of. H. A. E. Drescher, E. G. Harris, B. Wylam, and J. Thomas. 1,810,758; June 16.
Derrick. F. D. Bearly. 1,829,081; Oct. 27.
Derrick. F. D. Bearly. 1,831,838; Nov. 17.
Derrick. W. F. Wright and J. S. Jenks. 1,835,623; Dec. 8.
Derrick-leg clamp, W. F. Speakman and G. E. Crockett. 1,791,107; Feb. 3.
Derrick leg with reenforcing member. L. K. Stafford. 1,793,525; Feb. 24.
Derrick-rotating means. T. A. Foley. 1,791,667; Feb. 10.
Derrick sections, Connecting. H. H. Norman. 1,836,865; Dec. 15.
Derrick, Steel. J. E. Smith. 1,808,080; June 2.
Derrick, Submarine oil well. C. L. Roberts. 1,811,761; June 23.
Derricks, Interchangeable-post construction for. L. A. Rawson. 1,789,598; Jan. 20.
Derricks, Safety swinging finger board for well drilling. K. A. McCoy. 1,810,720; June 16.
Derricks, Special standpipe reenforcing. J. B. Merritt. 1,796,469; Mar. 17.
Desiccating apparatus and method. D. D. Peebles. 1,830,174; Nov. 3.
Desiccation of substances, Apparatus for the. F. H. Douthitt. 1,797,055; Mar. 17.
Design applicator. H. Vieck. 1,830,145; Nov. 3.
Design producing device. M. B. Gordon. 1,822,808; Sept. 8.
Designer, Multicolor. F. F. Conwill. 1,831,095; Nov. 10.
Designs in metal, Reproducing. F. W. Miller. 1,804,021; May 5.
Designs in stockings, Forming open-work. E. O. Nebel. 1,806,491; May 19.
Designs on tile, Producing. L. V. Solon. 1,826,262; Oct. 6.
Designs, Producing multicolor. F. Hart. 1,814,310; July 14.
Designs to flexible sheet materials, Applying. J. J. Sindler. 1,813,587; July 7.
Designs to printing surfaces, Transferring. P. G. Robinson, T. S. Foweraker, H. H. Beasley, and T. Sargent. 1,791,380; Feb. 3.
Designs to printing surfaces, Transferring. P. G. Robinson, T. S. Foweraker, H. H. Beasley, and T. Sargent. 1,831,754; Nov. 10.
Designating device. M. Sheras. 1,803,733; May 5.
Desk. D. H. Brown. Des. 83,031–2; Jan. 13.
Desk. J. R. McCargar. Des. 84,485; June 23.
Desk. J. R. McCargar. Des. 84,532; June 30.
Desk. E. A. Purnell. Des. 84,438; June 16.
Desk. E. J. Santee. 1,824,236; Sept. 22.
Desk. D. A. Smart. Des. 83,356; Feb. 17.
Desk and adjustable table, Slide-on. L. E. Myers and N. S. Amstutz. 1,798,893; Mar. 31.
Desk and radiocabinet, Combined. H. Lehr. Des. 84,945; Aug. 25.
Desk and seat, School. N. A. Wagers. 1,818,831; Aug. 11.
Desk and table, Combined. W. L. Burks. 1,818,606; Aug. 11.
Desk and wall clock case. S. R. Prevost. 1,815,796; July 21.
Desk, Automobile. J. J. Konzen. 1,822,973; Sept. 15.
Desk, Bookkeeper's. G. C. Brainard and G. T. Gourley. 1,816,249; July 28.
Desk clip, Gumming. W. F. Cassedy, jr. 1,834,268; Dec. 1.
Desk construction, Calculator. P. M. Wege. 1,827,128; Oct. 13.
Desk drawer lock. E. Ohnstrand. 1,806,643; May 26.
Desk, Foldable. J. Fanarjian. 1,809,028; June 9.
Desk, Knockdown metal. P. M. Wege. 1,831,471; Nov. 10.
Desk leg glide shoe. W. R. Darnell. 1,827,972; Oct. 20.
Desk novelty. C. Horix. 1,789,439; Jan. 20.
Desk pad. W. F. Sanders. 1,836,775; Dec. 15.
Desk, Portable. H. T. Hallowell and F. Bennett. 1,812,694; June 30.
Desk, Pulpit. C. C. Bullock. 1,813,793; July 7.
Desk, School. R. K. Merrill. Des. 84,487; June 23.
Desk set. W. Guyot. 1,814,085; July 14.
Desk set. J. L. Schnell. 1,790,726; Feb. 3.
Desk set, Telephone. W. H. Scharringhausen. 1,788,747; Jan. 13.
Desk stand and ink fountain. F. J. Lamarre. 1,805,772; May 19.
Desk stand and penholder or similar article, Combined. L. Morrison. Des. 83,465; Feb. 24.
Desk stand, Multicolor siphon ink-making. M. Alland. 1,794,132; Feb. 24.
Desk, Table. D. G. Anderson. 1,838,352; Dec. 29.
Desk, Table. M. D. Kalbach. 1,829,449; Oct. 27.
Desk top. P. M. Wage. Re18,057; Apr. 28.
Desk, Typewriter. G. F. Durard. 1,838,613; Dec. 29.
Desk, Typewriter. I. Frankel. 1,838,087; Dec. 29.
Desk, Typewriter. E. W. Sibley. 1,825,369; Sept. 29.
Desk, Typewriter. J. Vasler. 1,793,764; Feb. 24.
Desk, Typewriter cabinet. J. Herzog. Des. 85,693; Dec. 8.
Despatch system, Pneumatic. B. C. Batcheller. 1,803,377; May 5.
Destroyer, Insect. W. W. Hess. 1,805,581; May 19.
Desuperheater. S. M. Jorgensen. 1,788,160; Jan. 6.
Desuperheater. Direct contact. S. M. Jorgensen. 1,806,204; May 19.
Detachable bracket. E. W. Beardsley. 1,799,944; Apr. 7.
Detachable handle. C. Grant. 1,808,890; June 9.
Detachable hanger. J. E. Wilson. 1,791,019; Feb. 3.
Detector: *See*—
Check detector. Spark-plug detector.
Electrical weft detector.
Detector. W. Nanfeldt. 1,803,724; May 5.
Detector against hit and run drivers. J. Stangler. 1,816,939; Aug. 4.
Detector and frequency changing system, Electric. F. E. Terman. 1,812,066; June 30.
Detector for box looms, Weft. S. A. Nelson. 1,834,346; Dec. 1.
Detector for coin controlled machines, Coin. O. R. Hermanek. 1,810,521; June 16.
Detector for insulated-wire machines. J. W. Greenleaf and E. A. Mau. 1,792,979; Feb. 17.
Detector for looms controlled by drop boxes, Electric weft. W. H. Wakefield. 1,834,361; Dec. 1.
Detector for metals, Fissure. E. A. Sperry. 1,820,505; Aug. 25.
Detergent. W. C. Howe. 1,813,701; July 7.
Detergent. Merlub-Sobel. 1,813,247; July 7.
Detergent, cleansing and polishing composition. J. Baddiley and E. Chapman. 1,836,430; Dec. 15.
Detergent composition. W. J. Zick. 1,812,507; June 30.
Detergent composition and making it. H. E. Willsie. 1,803,159; Apr. 28.
Detergents and in washing. H. A. Kern and G. J. Fink. 1,829,522; Oct. 27.
Detinning. E. Kardos. 1,798,607; Mar. 31.
Detonator. R. D. Beatty. 1,837,398; Dec. 22.
Developer for photographic paper in sheets, Automatic. H. Godefroy. 1,816,646; July 28.
Developing apparatus. R. R. Allin. 1,809,822; June 16.
Developing apparatus. J. L. Garretson. 1,796,364; Mar. 17.
Developing apparatus. W. H. Jaeger. 1,809,705; June 9.
Developing apparatus. A. Langener. 1,792,845; Feb. 17.
Developing apparatus. A. Langsner. 1,794,909; Mar. 3.
Developing apparatus. A. Langsner. 1,795,220; Mar. 3.
Developing apparatus. A. Langsner. 1,795,724; Mar. 10.
Developing apparatus. A. Langsner. 1,802,977; Apr. 28.
Developing apparatus. A. Langsner. 1,817,198; Aug. 4.
Developing apparatus. A. Langsner. 1,818,484; Aug. 11.
Developing apparatus. A. Langsner. 1,820,280; Aug. 25.
Developing apparatus with blanket adjustment and spray application of liquid ammonia. A. Langsner. 1,804,793; May 12.
Developing, fixing, and washing tank. C. L. Drew. 1,807,901; June 2.
Device for changing over the points in mine tracks from the traveling vehicle. G. Strunk. 1,806,129; May 19.
Device for designating a place of worship. J. E. Rigali. Des. 84,162; May 12.
Device for hanging curtains. J. Heiman. 1,811,082; June 23.
Device for opening preserve tins with a wire. G. Bertout. 1,820,594; Aug. 25.
Device for producing dispersions. G. A. Brown. 1,792,067; Feb. 10.
Device for setting up color combinations. G. Froboese and A. Hochenberger. 1,789,228; Jan. 13.
Device for sorting data. A. E. Shaffer. 1,788,411; Jan. 13.
Device for testing materials. G. S. V. Heydekampf. 1,787,525; Jan. 6.
Device for time dipping. E. R. Stevens and A. F. Nicolai. 1,809,991; June 16.

Device for washing material. E. Silvano and V. L. Cerri. 1,794,039; Feb. 24.
Device for whipping cream and similar uses. A. J. Willems. 1,820,718; Aug. 25.
Device useful in the shipping and packing of automobiles. A. McWilliams 1,787,870; Jan. 6.
Device utilizable for camouflage and the like. E. W. Grandt. 1,817,871 Aug. 4.
Dewberry, Thornless young. E. L. Pollard and J. E. Sherrill. Pl. Pat. No. 4; Oct. 20.
Dextrose and dextrose compounds, Making. C. Rach. 1,825,603; Sept. 29.
Diagnostic instrument. E. A. Forshey. 1,807,520; May 26.
Diagnostic instrument. V. D. Reardon. 1,791,604; Feb. 10.
Diagnostic instrument. E. D. Tillyer. 1,806,129; May 19.
Diagnostic table. N. Frutkow and A. J. Viken. 1,823,534; Sept. 8.
Dial and cylinder interlocking mechanism. H. Swinglehurst. 1,797,163; Mar. 17.
Dial and hands for a clock, Combined. R. D. Budlong. Des. 85,683; Dec. 8.
Dial and hands for a clock, Combined. G. H. Stephens and R. D. Budlong. Des. 85,719; Dec. 8.
Dial apparatus. W. A. Ready. 1,813,766; July 7.
Dial, Calling. J. M. Labaugh and V. F. Miller. 1,812,964; July 7.
Dial cleaner. A. A. Mallinckrodt. 1,791,218; Feb. 3.
Dial for charts or the like. S. Smith. Des. 84,114; May 5.
Dial for time pieces. T. Schisgall. Des. 83,573; Mar. 3.
Dial for watches and clocks. A. Bulova. Des. 85,028; Sept. 15.
Dial gauge. E. H. Aldeborgh and C. E. Ruf. 1,820,370; Aug. 25.
Dial, Housed indicator. H. J. Kasch. 1,819,099; Aug. 18.
Dial, Illuminated. R. Horn. 1,791,131; Feb. 3.
Dial, Illuminated. J. Millon. 1,790,939; Feb. 3.
Dial, Instrument. B. R. Hill. 1,801,812; Apr. 21.
Dial, Orientator or architect's solar. A. S. Clay. 1,817,350; Aug. 4.
Dial pattern mechanism for effecting reverse plating. R. H. Lawson, and A. N. Cloutier. 1,821,893; Sept. 1.
Dial plate, lock dial and handle for safes, Combined concentric. C. F. Wolters. Des. 84,387; June 9.
Dial plate, lock dial, and handle for safes, Combined concentric. C. F. Wolters. Des. 85,359; Oct. 13.
Dial telephone lock. A. I. Martin. 1,832,494; Nov. 17.
Dial, Timepiece. G. Graff. Des. 83,103–4; Jan. 20.
Dial, Variometer. H. R. Russon. 1,801,369; Apr. 21.
Dialkyl barbituric acids and 1-phenyl-2,3-dimethyl-4-dimethyl-amino-5-pyra-zolone. E. Preiswerk. 1,798,556; Mar. 31.
Di-ammonium phosphate, Making. E. F. Pevere. 1,834,418; Dec. 1.
Diamond floor polisher. C. E. Ericson. 1,805,516; May 19.
Diaper. I. Mink. Des. 83,337; Feb. 17.
Diaper. E. Goldstein. 1,815,059; July 21.
Diaper. E. Goldstein. 1,836,794; Dec. 15.
Diaper, Baby's. B. S. Alsop. 1,833,960; Dec. 1.
Diaper washer. R. O'Connor. 1,817,759; Aug. 4.
Diaphonometric means. G. Viard. 1,816,663; July 28.
Diaphragm. J. Hilfers. 1,800,449; Apr. 14.
Diaphragm. W. D. La Rue. 1,798,688; Mar. 31.
Diaphragm. L. W. Skala. 1,800,573; Apr. 14.
Diaphragm, Acoustic. V. T. Houghton. Des. 85,825; Dec. 22.
Diaphragm adapted for use in electrolytic apparatus for the manufacture of hydrogen and oxygen, Colloidal. G. F. Jaubert. 1,837,050; Dec. 15.
Diaphragm and mounting, Acoustic. D. R. Seely. 1,790,679; Feb. 3.
Diaphragm assembly. G. A. Knaak. 1,801,560; Apr. 21.
Diaphragm box and making the same, Expansible. A. Urfer. 1,836,634; Dec. 15.
Diaphragm brake, Hydraulic. J. A. De Vito. 1,791,717; Feb. 10.
Diaphragm, Electrodeposited. A. Hewitt. 1,793,483; Feb. 24.
Diaphragm especially for the reproduction of sound. R. Goldschmidt. 1,799,162; Apr. 7.
Diaphragm, Flexible. C. C. Farmer. 1,790,206; Jan. 27.
Diaphragm for acoustic devices. A. I. Abrahams. 1,832,608; Nov. 17.
Diaphragm for flush valves. C. H. Krause. 1,836,976; Dec. 15.
Diaphragm for gas meters, Removable. H. L. Berry. 1,807,771; June 2.
Diaphragm for loud speakers. W. K. Kearsley. 1,818,854; Aug. 11.
Diaphragm for loud speakers, Conical. C. W. Peterson. 1,815,987; July 28.
Diaphragm for photographic cameras, Multiple-opening. O. Wittel. 1,799,879; Apr. 7.
Diaphragm for sound reproducing apparatus. F. A. Mitchell. 1,833,055; Nov. 24.
Diaphragm for sound reproduction. K. Locke and H. Sachs. 1,808,238; June 2.
Diaphragm for sound reproduction. A. von Suchorzynski. 1,810,307; June 16.
Diaphragm for use in surface combustion apparatus, Refractory. F. J. Cox. 1,830,826; Nov. 10.
Diaphragm, Metal. C. S. Kelley. 1,793,621; Feb. 24.
Diaphragm operative switch. J. Johnstone and P. J. and A. E. Allen. 1,833,996; Dec. 1.
Diaphragm pressure gauge. L. A. Mapel. 1,798,692; Mar. 31.
Diaphragm, Rubber. H. Beckmann. 1,831,406; Nov. 10.
Diarylamines, Making. W. J. Hale. 1,804,466; May 12.
Diathermic treatment by means of high frequency, Appliance for. E. Schliephake. 1,807,105; May 26.
Diathermy. F. M. Ende. 1,814,791; July 14.
Diazo compounds, Eliminating excess. L. W. Geller. 1,815,903; July 28.
Diazosalt preparations for dyeing and printing. F. Keller and K. Schnitzspahn. 1,820,024; Aug. 25.
Diazo solutions from solid aryl-diazonium-fluoborates, Manufacturing concentrated. K. Schnitzspahn. 1,799,068; Mar. 31.
Diazo-types, Development of. M. P. Schmidt and K. Hessert. 1,837,679; Dec. 22.
Diazo-types, Manufacture of. K. and L. van der Grinten. 1,821,281; Sept. 1.
Diazo-types stabilized with a derivative of thiocarbonic acid and preparing them. W. Kreiger and R. Zahn. 1,803,906; May 5.
Diazo-types to water, Improving the resistance of. E. Sprongerts. 1,807,761; June 2.
Dibenzanthrone, Production of. H. J. Emmer. 1,816,281; July 28.
Dibenzanthronyls, Manufacture of. A. Lüttringhaus, H. Wolff, and H. Neresheimer. 1,803,399; May 5.
Dibenzanthronyls, Manufacture of. A. Lüttringhaus, H. Wolff, and H. Neresheimer. 1,803,910; May 5.
Dibromodibenzanthrone. M. A. Kunz and K. Koeberle. 1,791,215; Feb. 3.
Di-calcium phosphate, Commercial production of. A. Holz. 1,788,952; Jan. 13.
Dice cup. J. W. Robinson. 1,802,479; Apr. 28.
Dictating machine. T. W. Price. 1,801,755; Apr. 21.
Dictation machine. A. V. Bodine. 1,823,723; Sept. 15.
Die; *See*—
- Adjustable die.
- Cap forming die.
- Coil-forming die.
- Cutting die.
- Cutting or ornamenting die.
- Forming die.
- Key die.
- Molding die.
- Pipe bending die.
- Playing die.
- Punch die.
- Punching die.
- Screw cutting die.
- Separable die.
- Thread-cutting die.
- Threading die.
- Utensil-forming die.
- Wire-bending die.
- Wire-coiling die.

Die. R. H. Bowen. 1,823,557; Sept. 15.
Die. B. A. Lange. 1,798,475; Mar. 31.
Die. G. Langford. 1,804,792; May 12.
Die. C. A. Messmer, jr. Re18,260; Nov. 24.
Die and holder, Threading. E. A. Kane. 1,794,963; Mar. 3.
Die and wheel remover, Combined. W. G. Fisher. 1,820,870; Aug. 25.
Die blanks and making dies. F. O. Wells. 1,804,662; May 12.
Die casting machine. A. S. Kidd. 1,815,776; July 21.
Die-casting machine. N. Lester. Re18,014; Mar. 31.
Die-casting machine. F. F. Mantei. 1,793,110; Feb. 17.
Die casting machine. L. H. Morin and S. Tour. 1,832,316; Nov. 17.
Die casting machine. F. P. Tikalsky. 1,833,663; Nov. 24.
Die coil winding machine, Mandrelless multiple. F. W. Walton. 1,816,880; Aug. 4.
Die controlling mechanism for open die metal heading machines. J. E. Pracny. 1,804,029; May 5.
Die extrusion method and apparatus. A. Elias. 1,789,675; Jan. 20.
Die-fitting machine. R. W. Glasner and F. J. Rode. 1,791,757; Feb. 10.
Die for bending angle bars. A. Hossfeld. 1,832,210; Nov. 17.
Die for cutting glove blanks, Gang. A. C. Ackerman. 1,811,571; June 23.
Die for die casting and making the same. V. L. Soderberg. 1,809,872; June 16.
Die for forming ophthalmic mountings, Extruding. R. A. Boswell. 1,814,820; July 14.
Die for manufacturing lock washers, Progressive. W. H. Tice. 1,833,190; Nov. 24.
Die for molding mica rings. L. T. Frederick. 1,793,603; Feb. 24.
Die for swaging machines. S. C. Cross. 1,807,789; May 26.
Die head. C. P. Harrison. 1,831,957; Nov. 17.
Die-head, Non-rotary self opening. E. A. Barteit. 1,802,103; Apr. 21.
Die head, Stamped ratchet. R. E. Hyde. 1,814,388; July 14.
Die header, Combined open and solid. R. H. Smith. 1,802,788; Apr. 28.
Die lapping machine. W. Haddow. 1,826,347; Oct. 6.
Dielectric material. S. Boyer. 1,816,762; July 28.
Die mechanism. A. W. Altvater. 1,834,918; Dec. 8.
Die of the extruding and wire drawing type and making the same. J. T. Pratt. 1,817,680; Aug. 4.
Die press. O. J. Groehn. 1,812,046; June 30.
Die, Releasing threading. T. Cotter. 1,805,905; May 19.
Die set pin, Self lubricating. N. M. Marsilius. 1,832,493; Nov. 17.

Die sinking and engraving machine. J. E. Johnson. 1,815,204; July 21.
Diestock. A. R. Braden. 1,837,524; Dec. 22.
Diestock. G. G. Hassler. 1,813,668; July 7.
Diestock. A. F. Howe. 1,802,209; Apr. 21.
Diestock. R. E. Hyde. 1,795,604; Mar. 10.
Diestock. I. W. Nonneman. 1,808,315; June 2.
Die stock. R. B. Pealer. 1,803,484; May 5.
Diestock. K. Saito. 1,795,895; Mar. 10.
Die stock. R. B. Tewksbury. 1,794,806; Mar. 3.
Die teeth, Method of and apparatus for mounting. J. M. Craigo. 1,806,147; May 19.
Dies, Apparatus for mounting. H. P. Arkema and S. Thronsen. 1,800,370; Apr. 14.
Dies for making bars. G. Langford. 1,808,467; June 2.
Dies in presses, Setting. T. G. Falstrom. 1,801,490; Apr. 21.
Dies, Making. C. B. Norris. 1,835,805; Dec. 8.
Dies, Making clicking. A. R. Braden. 1,837,523; Dec. 22.
Dies, Making screw. J. Folman. 1,796,925; Mar. 17.
Dies, Making trimming. W. V. Lozier. 1,792,994; Feb. 17.
Dies, Pressure equalizing mechanism for multiple. W. E. Senn. 1,807,443; May 26.
Dies, Setting. L. R. Carley. 1,832,764; Nov. 17.
Differential. G. H. Acker. 1,802,545; Apr. 28.
Differential adjusting mechanism. M. E. Henning. 1,827,084; Oct. 13.
Differential adjustment for rolls. L. Johnson. 1,825,957; Oct. 6.
Differential carrier. H. D. Church. 1,828,025; Oct. 20.
Differential carrier. F. Repeck. 1,794,203; Feb. 24.
Differential controller. J. C. McMurrin. 1,829,807; Nov. 3.
Differential field control, Exciter. W. B. Jupp. 1,822,150; Sept. 8.
Differential indicator. O. W. Heise. 1,791,240; Feb. 3.
Differential mechanism. G. Rodrigues. 1,827,403; Oct. 13.
Differential mechanism. E. W. Weaver. 1,810,194; June 16.
Differential mechanism for automobiles. W. A. Jex. 1,831,865; Nov. 17.
Differential, Self locking. A. D. Robbins. 1,836,684; Dec. 15.
Differential wheel, Roller bearing. W. C. Klein. 1,834,847; Dec. 1.
Differential widening means. R. Penn. 1,827,103; Oct. 13.
Diffusion apparatus. M. Cline. 1,834,577; Dec. 1.
Digester. P. G. von Hildebrandt. 1,803,444; May 5.
Digester for cracking hydrocarbon oils. J. C. Black. 1,815,428; July 21.
Digester system. W. H. Swanson and L. Lang. 1,831,206; Nov. 10.
Digesting system. A. F. Richter. 1,804,116; May 5.
Digestion of raw materials. S. Milne. 1,800,870; Apr. 14.
Digestion, Wood. H. B. Kipper. 1,820,276; Aug. 25.
Digger: *See*—
Beet digger. Potato digger.
Hole digger.
Digger and sorter, Combined potato. L. Stoltenberg. 1,828,261; Oct. 20.
Digger conveyer shaker, Potato. F. Wheeler. 1,814,992; July 14.
Diggers and plows, Toothed drum for quack grass. S. H. Heinmiller. 1,808,984; June 9.
Digging device. W. P. Beaver. 1,803,228; Apr. 28.
Digging machine. E. B. Shotwell. 1,792,126; Feb. 10.
Digging machine, Caisson-pit-. F. N. Ropp. 1,794,490; Mar. 3.
Digging machine, Potato-. C. Granberg. 1,800,622; Apr. 14.
Digging tooth. L. S. Shaffer. 1,837,341; Dec. 22.
Dihydroxy-disulpho-1 : 2 : 2′ : 1′ dinaphthazine and making the same. F. Straub and W. Anderau. 1,838,879; Dec. 29.
Dilator. F. H. Newton. 1,826,284; Oct. 6.
Dimethyl aniline. Making. E. C. Britton and W. H. Williams. 1,794,057; Feb. 24.
Dimmer for headlights. G. Giddo. 1,800,935; Apr. 14.
Dimmer for vehicle headlights. E. L. Usner. 1,790,734; Feb. 3.
Dimming device for searchlights. P. Giese. 1,806,850; May 26.
Dining table, Single-slide. J. F. Parsons. 1,788,778; Jan. 13.
Diolefines, Production of. P. Feiler. 1,795,549; Mar. 10.
Diorama, Moving. G. Larcher. 1,802,725; Apr. 28.
Dip for dry cell cores. J. M. Henderson. 1,836,847; Dec. 15.
Dip up. A. W. Hernke. 1,808,736; June 2.
Dipper-door-tripping mechanism. L. A. Russell. 1,797,300; Mar. 24.
Dipper for snuff or the like. J. C. Flynn. 1,808,949–50; June 9.
Dipper front. A. H. Exton. 1,798,873; Mar. 31.
Dipper, Fruit. C. W. Shatto. 1,805,380; May 12.
Dipper handle. J. D. Rauch and W. L. Reid. 1,813,864; July 7.
Dipper, Ice cream. O. E. Harris. 1,831,386; Nov. 10.
Dipper, Ice cream. E. J. Martineau. 1,826,009; Oct. 6.
Dipper stick. E. H. Lichtenberg. 1,824,606; Sept. 22.
Dipper stick and boom structure. H. E. Scott. 1,803,075; Apr. 28.
Dipper tooth. O. W. Anderson. 1,815,819–20; July 21.
Dipper tooth. W. S. McKee. 1,787,695; Jan. 6.
Dipper tooth. J. D. Rauch. 1,799,929; Apr. 7.
Dipper tooth. L. W. Van Buskirk. 1,796,737; Mar. 17.
Dipper tooth, Replaceable thimble point. J. O'F. Clark. 1,829,851; Nov. 3.
Dipper tooth, Reversible. V. C. Mekeel. 1,805,527; May 19.
Dipper trip. F. A. Fuller and C. M. Moore. 1,828,965; Oct. 27.
Direct-current rectifier supplying from transformers with absorption reactances, Arrangement for. J. Kubler. 1,800,838; Apr. 14.
Direction finder. G. H. Perryman. 1,791,973; Feb. 10.
Direction, Indicating. A. W. Brown. 1,820,647; Aug. 25.
Direction indicating device. E. Schilke. 1,832,326; Nov. 17.
Direction indicating signal. H. Goldberg. 1,828,404; Oct. 20.
Direction indicating signal. G. J. Zeis. Des. 85,725; Dec. 8.
Direction indicator. A. B. Bailey. 1,806,276; May 19.
Direction indicator. A. Bussenius. 1,837,700; Dec. 22.
Direction indicator. E. A. Osmon. 1,814,331; July 14.
Direction indicator. N. Ramen. 1,799,121; Mar. 31.
Direction indicator. D. W. Schenck. 1,836,819; Dec. 15.
Direction indicator. G. Schepperle. 1,838,789; Dec. 29.
Direction indicator. R. F. Smith. 1,809,362; June 9.
Direction indicator, Automobile. R. G. May. 1,836,608; Dec. 15.
Direction indicator, Electromagnetic driving. F. K. Teichgraber. 1,797,885; Mar. 24.
Direction indicator, Formation. R. C. Baker. 1,793,894; Feb. 24.
Direction indicator, Vehicle. O. C. Bryan. 1,802,627; Apr. 28.
Direction signal. F. R. Emery and T. W. Hammen. 1,791,864; Feb. 10.
Direction signal. H. H. Mathis. 1,835,416; Dec. 8.
Direction signal. H. W. Miller. 1,828,119; Oct. 20.
Direction signal, Automobile. K. Zastawski. 1,794,049; Feb. 24.
Direction signal, Motor-car. R. C. Rose. 1,792,930; Feb. 17.
Direction signal, Neon-light. H. J. Murray. 1,792,599; Feb. 17.
Directional signal. J. W. Haywood. 1,827,289; Oct. 13.
Directory board for office buildings. G. S. Rider. 1,829,541; Oct. 27.
Directory board for office buildings. G. S. Rider. 1,834,423; Dec. 1.
Directory, Building. R. W. Clark. 1,831,287; Nov. 10.
Directory or index. A. G. Diack. 1,835,285; Dec. 8.
Dirigible. C. Barrera. 1,835,260; Dec. 8.
Dirigible aircraft, Controlling. E. A. Sperry. 1,818,104; Aug. 11.
Dirigible and airplane, Trihydro. V. E. Edwards. 1,812,627; June 30.
Dirigible construction. C. S. Hall. 1,795,335; Mar. 10.
Dirigible construction. L. S. Howland. 1,821,158; Sept. 1.
Dirigible coupling means. L. S. Howland. 1,818,138; Aug. 11.
Dirigible flying machine. J. B. Strauss. 1,815,338; July 21.
Dirigible frame. D. E. Ross. 1,788,595; Jan. 13.
Dirigible helicopter. Y. H. Koun. 1,828,607; Oct. 20.
Dirigible landing device. W. Wiese. 1,791,394; Feb. 3.
Dirigible light. M. D. Moore. 1,794,239; Feb. 24.
Dirigible light. C. Rose. 1,826,025; Oct. 6.
Dirigible sledge or sleigh. F. Wels. 1,812,252; June 30.
Dirigibles, Apparatus and method of launching, landing and mooring. L. S. Howland. 1,818,137; Aug. 11.
Dirigibles, Apparatus for landing and housing. C. W. Purnell. 1,834,220; Dec. 1.
Dirt mover. B. Jack, jr. 1,811,179; June 23.
Dis- and polyazodyestuffs. W. Hentrich, M. Hardtmann, R. Knoche, and J. Hilger. 1,788,295; Jan. 6.
Disappearing blade switch. H. J. Hammerly. 1,824,137; Sept. 22.
Disappearing table. J. Frank and B. J. Pick. 1,790,468; Jan. 27.
Disazo compound, Acetylated. S. L. Summers. 1,813,365; July 7.
Disazodyestuffs, Manufacture of new. A. Gressly. 1,787,676; Jan. 6.
Discharge attachment for frozen product machine. E. D. Kohr. 1,818,896; Aug. 11.
Discharge device and resistance material. K. B. McEachron. 1,822,742; Sept. 8.
Discharge device, Glow. C. Travis. 1,814,270; July 14.
Discharge mechanism for pasteurizer vats and the like. H. Feldmeier and C. B. Dalzell. 1,839,092; Dec. 29.
Discharge tube. B. van der Pol. 1,834,113; Dec. 1.
Discharge tube. C. J. R. H. von Wedel. 1,807,140; May 26.
Discharge tube, High-power luminous electrical. W. F. Hendry. 1,788,951; Jan. 13.
Discharge tube, Hot cathode electron. L. Sutherlin. 1,829,460; Oct. 27.
Discharge tube, Incandescent cathode. K. M. Van Gessel. 1,838,888; Dec. 29.
Discharge tube, Luminous electrical. J. Risler. 1,793,720; Feb. 24.

Discharge tube switch, Gas. R. G. Berthold. 1,816,168; July 28.
Discharge tube, Vacuum. G. Claude. 1,826,382; Oct. 6.
Disconnect switch. K. S. Wagoner. 1,813,103; July 7.
Disconnecting device. J. H. Powers. 1,808,570; June 2.
Disconnecting switch. C. Aalborg. 1,837,248; Dec. 22.
Disconnecting switch. A. O. Austin. 1,796,430; Mar. 17.
Disconnecting switch. H. J. Crabbs. 1,817,065; Aug. 4.
Disconnecting switch. A. M. de Bellis and W. B. Kirke. 1,792,896; Feb. 17.
Disconnecting switch. P. B. Hoye. 1,819,779; Aug. 18.
Disconnecting switch. E. K. Read. 1,825,820; Oct. 6.
Discrete materials with gaseous media particularly applicable to drying, Treatment of. R. V. Farnham. 1,796,324; Mar. 17.
Disgorging and scaling implement. R. E. Brown. 1,788,656; Jan. 13.
Dish and cover, Combination. A. L. Alaj. 1,793,298; Feb. 17.
Dish and handrail, Combination soap. A. J. Smith. Des. 85,122; Sept. 15.
Dish, Casserole. Y. Buma. Des. 85,858; Dec. 29.
Dish, Corn. I. Brown. 1,799,929; Apr. 7.
Dish, Covered. S. E. Thompson. Des. 84,385; June 9.
Dish for double mixing faucets, Reversible soap. W. Hewig. 1,838,830; Dec. 29.
Dish, Lavatory soap. P. Mueller. 1,794,638; Mar. 3.
Dish or analogous article. S. Fisher. Des. 83,961; Apr. 21.
Dish or article of similar nature, Soap. S. D. Baker. Des. 85,314; Oct. 13.
Dish or similar article. G. N. Allen and M. G. Parker. Des. 85,802; Dec. 22.
Dish or similar article. W. H. Gerth. Des. 85,426; Oct. 27.
Dish or similar article. O. Tauschek. Des. 85,134–5; Sept. 15.
Dish or similar article, Covered. L. Anduze. Des. 84,802; Aug. 11.
Dish or similar article, Covered. W. Lindley. Des. 85,249; Sept. 29.
Dish or similar article, Covered. T. G. Merriman. Des. 85,836; Dec. 22.
Dish or similar article, Covered. J. P. Thorley. Des. 83,292; Feb. 10.
Dish or similar article, Mayonnaise. J. C. Kelly. Des. 85,879; Dec. 29.
Dish or similar articles. W. P. Graham. Des. 83,899; Apr. 14.
Dish or utensil, Refrigerative. J. W. Martin, jr. 1,825,644; Sept. 29.
Dishpan, basin, and the like, Splashless. C. R. Ross. 1,811,896; June 30.
Dish, Rubber soap. A. L. Murray. Des. 84,489; June 23.
Dish, Soap. C. Gruendl. Des. 83,439; Feb. 24.
Dish, Soap. P. Mueller. 1,801,362; Apr. 21.
Dish washer. E. J. Biskamp. 1,823,583; Sept. 15.
Dishwasher. W. B. Taylor. 1,798,387; Mar. 31.
Dishwasher. H. F. Voshardt. 1,798,183; Mar. 31.
Dishwasher and cabinet therefor, Combined mechanical. F. A. Walker. 1,825,033; Sept. 29.
Dish washer and drier. W. H. Kadesch. 1,836,373; Dec. 15.
Dishwasher, Mechanical. F. A. Walker. 1,831,214; Nov. 10.
Dish washing apparatus. W. L. Lindgren. 1,831,774; Nov. 10.
Dish washing apparatus. C. J. Petersen. 1,831,684; Nov. 10.
Dishwashing, Apparatus for. E. Greene and W. H. Swenarton. 1,794,169; Feb. 24.
Dish washing device. H. S. Schneider. 1,825,095; Sept. 29.
Dishwashing machine. S. W. Fisk. 1,806,751; May 26.
Dishwashing machine. S. B. Harker. 1,793,798; Feb. 24.
Dishwashing machine. W. L. Lindgren. 1,798,425–9; Mar. 31.
Dish washing machine. W. L. Lindgren. 1,831,775; Nov. 10.
Dishwashing machine. B. F. Lundell. 1,821,558; Sept. 1.
Dishwashing machine. A. H. Renshaw. 1,833,374; Nov. 24.
Dishwashing machine. R. B. Shoemaker and C. L. Lawrence. 1,810,374; June 16.
Dishwashing machine. M. G. Torson. 1,807,677; June 2.
Dished heads, Apparatus for making. C. B. Cushwa. 1,788,382; Jan. 13.
Dishes on ships' tables, Securing. J. Goldberg. 1,824,344; Sept. 22.
Disinfectant. O. Gerngross and K. Rülke. 1,823,095; Sept. 15.
Disinfectant and making same, Mercury-containing. M. Engelmann and F. J. Funk. 1,801,144; Apr. 14.
Disinfectant composition, Seed. M. S. Kharasch. 1,820,001; Aug. 18.
Disinfectant, Seed. F. J. Funk. 1,793,686; Feb. 24.
Disinfectant, Seed. F. J. Funk. 1,793,922; Feb. 24.
Disinfectant, Seed. F. J. Funk. 1,819,953; Aug. 18.
Disinfectants, Manufacture of. F. Raschig. 1,816,297; July 28.
Disinfecting agent. M. Engelmann and F. J. Funk. 1,801,145; Apr. 14.
Disinfecting and aerating device. A. N. Spanel. 1,817,535; Aug. 4.
Disinfecting and cleansing device for telephone and like mouthpieces. V. Fraschetti. 1,797,135; Mar. 17.
Disinfecting apparatus. U. J. Smith. 1,824,380; Sept. 22.
Disintegrating and conveying mechanism, Material. G. Degand. 1,812,324; June 30.
Disintegrating machine. P. Legrand. 1,797,779; Mar. 24.
Disintegrator, Cane stalk. W. H. Morgan. 1,814,177; July 14.
Disintegrator, Lamination. C. D. Coste. 1,809,160; June 9.
Disintegrator, Rotary. C. W. Andrews and S. P. Kinney. 1,811,528; June 23.
Disk, Abrasive. F. O. Albertson and G. Olsen. 1,811,037; June 23.
Disk attachment for ridging machines. O. Domries. 1,835,208; Dec. 8.
Disk attachment for walking cultivators. F. H. Cathey. 1,823,529; Sept. 15.
Disk brake. C. C. Rock. 1,798,499; Mar. 31.
Disk cleaner, Cultivator. A. J. Bermel. 1,791,462; Feb. 3.
Disk cultivator attachment. G. W. Schanil. 1,835,095; Dec. 8.
Disk cultivators, Detent mechanism for. F. E. Hand. 1,832,021; Nov. 17.
Disk drill, Rotary. H. M. Paulsen. 1,789,834; Jan. 20.
Disk for furnace conveyers, Intersupported. F. A. Farrenwald. 1,824,470; Sept. 22.
Disk, Friction. A. D. Robbins. 1,808,511; June 2.
Disk, Grain drill. H. and C. P. Coe. 1,821,829; Sept. 1.
Disk harrow. L. E. Bissell. 1,834,484–5; Dec. 1.
Disk harrow. W. D. Dewend. 1,829,342; Oct. 27.
Disk harrow. H. F. Towner. 1,827,125; Oct. 13.
Disk harrow. T. C. Wardley. 1,827,920; Oct. 20.
Disk harrow, Offset. M. M. Brodersen, E. H. Babel and C. R. Rogers. 1,831,947; Nov. 17.
Disk harrow, Offset. E. M. Enzenauer and R. H. Mitchell. 1,824,011; Sept. 22.
Disk harrow, Single tandem. J. R. Barker. 1,830,218; Nov. 3.
Disk harrow, Single tandem. B. V. Curry and J. R. Barker. 1,836,227; Dec. 15.
Disk, Light-chopping. R. H. Ranger. 1,789,686; Jan. 20.
Disk, Making an abrasive. A. J. Doermann. 1,832,535; Nov. 17.
Disk or wheel for conveyers. A. T. Kathner. 1,791,166; Feb. 3.
Disk, Phonograph record. P. J. Schwarzhaupt. 1,821,851; Sept. 1.
Disk pipe joint. W. F. Oberhuber. 1,819,036; Aug. 18.
Disk, Scanning. B. R. Cummings. 1,810,598; June 16.
Disk, Scanning. A. O. Tate. 1,825,486; Sept. 29.
Disk wheel. F. W. Baker. 1,820,174; Aug. 25.
Disk wheel. W. Barber. 1,818,450; Aug. 11.
Disk wheel. E. G. Budd. 1,795,472; Mar. 10.
Disk wheel. G. H. Forsyth. 1,816,643; July 28.
Disk wheel. E. F. Goodyear and J. Wright. 1,788,431; Jan. 13.
Disk wheel and making the same. A. M. Stanley. 1,788,174; Jan. 6.
Disk wheel, Resilient. S. C. Hatfield. 1,791,128; Feb. 3.
Disks from glass plates, Cutting. W. O. Lytle. 1,825,277; Sept. 29.
Disks, Making composite. W. H. Kempton and T. C. Roantree. 1,811,469; June 23.
Disks or the like, Feed for. G. O. Frostad and J. E. Annen. 1,790,910; Feb. 3.
Disks, Rolling tapered. G. L. Kelley. 1,795,492; Mar. 10.
Dispatch carrier, Pneumatic. C. R. Libby. 1,831,252; Nov. 10.
Dispatch carrier, Pneumatic. A. W. Shannehan. 1,826,833; Oct. 13.
Dispatch system, Emergency. G. F. Harter. 1,803,111; Apr. 28.
Dispatch systems, Switching or control mechanism for. F. Appelius. 1,838,208; Dec. 29.
Dispatch tube system, Pneumatic. J. J. Stoetzel. 1,828,787; Oct. 27.
Dispenser. H. E. Crosby. Des. 84,517; June 30.
Dispenser. H. C. Davis. 1,796,086; Mar. 10.
Dispenser. W. F. Errig. 1,832,287; Nov. 17.
Dispenser. L. M. McCormick. 1,806,981; May 26.
Dispenser. J. F. Palmer. 1,819,382; Aug. 18.
Dispenser. L. Ribera. 1,829,671; Oct. 27.
Dispenser and lighter, Cigarette. F. C. Copeland. 1,793,063; Feb. 17.
Dispenser and lighter, Combined cigarette. M. Alland. 1,796,136; Mar. 10.
Dispenser and lighter with detachable support, Cigarette. M. Alland. 1,827,501; Oct. 13.
Dispenser, Automatic gasoline. C. W. Davies, jr. 1,799,737; Apr. 7.
Dispenser, Automatic liquid fuel. C. Brahy. 1,834,765; Dec. 1.
Dispenser, Beverage. L. L. Benham, B. D. Chamberlin, and A. W. Cartwright. 1,789,211; Jan. 13.
Dispenser, Beverage. A. S. Johnson. Des. 82,991; Jan. 6.
Dispenser, Beverage. A. S. Johnson and W. J. Balkwill. Des. 85,581; Nov. 17.
Dispenser, Beverage. H. P. Saugman. 1,788,442; Jan. 13.
Dispenser, Cigarette. L. D. Conroy. Des. 84,777; Aug. 4.
Dispenser, Cigarette. T. J. Glass. Des. 83,727; Mar. 24.
Dispenser, Cigarette. J. H. Hosier. 1,808,658; June 2.

Dispenser, Cigarette. J. N. M. Keyzer. 1,798,680; Mar. 31.
Dispenser, Cigarette. W. L. Whitesides. 1,804,580; May 12.
Dispenser, Cigarette and match. G. Nenna. 1,803,536; May 5.
Dispenser, Combination beverage. L. Flamma. 1,807,518; May 26.
Dispenser combination, Electric light and perfume. G. Lehmann. 1,803,334; May 5.
Dispenser, Cream. F. W. Fitch. 1,810,135; June 16.
Dispenser, Dry-ice. S. Gordon. 1,798,254; Mar. 31.
Dispenser, Elastic bank cup. C. N. Bergmann. 1,808,284; June 2.
Dispenser for fasteners. K. C. Bugg. 1,835,269; Dec. 8.
Dispenser for heterogeneous liquids. C. Burkhart. 1,814,123; July 14.
Dispenser for oil and other liquids. W. H. Hast. 1,823,653; Sept. 15.
Dispenser for pulverulent and pasty substances. J. E. B. Maillard. 1,832,313; Nov. 17.
Dispenser for pulverulent or pasty substances. M. L. Maillard, née Gougis. 1,789,707; Jan. 20.
Dispenser for pulverulent substances and the like. C. M. L. Maillard. 1,804,943; May 12.
Dispenser, Gasoline. L. Schechter. 1,822,241; Sept. 8.
Dispenser, Gravity feed powdered soap. A. W. Smith. 1,804,235; May 5.
Dispenser, Grease. E. J. Adams. 1,799,492; Apr. 7.
Dispenser, Grease. J. and G. Baldner. 1,808,804; June 9.
Dispenser, Grease. W. B. Mathewson. 1,787,751; Jan. 6.
Dispenser, Grease. W. B. Mathewson. 1,813,183; July 7.
Dispenser, Liquid. M. L. Baker. 1,789,291; Jan. 20.
Dispenser, Liquid. C. M. Cordley. Des. 85,812–13; Dec. 22.
Dispenser, Liquid. W. H. Hast. 1,823,652; Sept. 15.
Dispenser, Liquid. W. H. Hast. 1,823,654; Sept. 15.
Dispenser, Liquid. W. H. Haupt. 1,791,129; Feb. 3.
Dispenser, Liquid. W. J. Peter. 1,798,805; Mar. 31.
Dispenser, Liquid. T. J. C. Schirrmacher. 1,792,934; Feb. 17.
Dispenser, Lubricant. H. P. Grossman. 1,827,844; Oct. 20.
Dispenser, Lubricating oil. W. H. Peaden. 1,823,406; Sept. 15.
Dispenser, Measuring. H. D. Levine and A. Radeeff. 1,788,341; Jan. 6.
Dispenser, Measuring. J. E. Tsavaris. 1,829,842; Nov. 3.
Dispenser, Measuring. W. O. Yancey. 1,799,401; Apr. 7.
Dispenser, Oil. H. Phillips. Des. 84,256; May 26.
Dispenser or similar article, Liquid. C. B. Ilgenfritz. Des. 83,106; Jan. 20.
Dispenser or similar article, Liquid. C. B. Ilgenfritz. Des. 83,611; Mar. 10.
Dispenser or similar article, Liquid. C. B. Ilgenfritz. Des. 83,612; Mar. 10.
Dispenser, Paste. R. Frick. 1,793,077; Feb. 17.
Dispenser, Peanut. C. W. Mabey. Des. 85,108; Sept. 15.
Dispenser, Perfume. L. K. Wright. 1,839,073; Dec. 29.
Dispenser, Portable liquid. J. N. Schien. Des. 83,879; Apr. 7.
Dispenser, Powder. I. J. Amato. 1,801,253; Apr. 21.
Dispenser, Powdered soap. O. H. Lawrence. 1,836,537; Dec. 15.
Dispenser, Premixed drink. H. M. Austin. 1,836,893; Dec. 15.
Dispenser, Rope. F. Brinner. 1,824,007; Sept. 22.
Dispenser, Sanitary toilet seat. S. B. Cummings. 1,811,537; June 23.
Dispenser, Sirup. C. A. Look. Des. 83,055; Jan. 13.
Dispenser, Sirup or beverage. W. E. Leibing. Des. 83,685; Mar. 17.
Dispenser, Soap. M. Alland. 1,803,827–28; May 5.
Dispenser, Soap. G. D. Widman. 1,828,011; Oct. 20.
Dispenser. Soap-lather. H. A. Roust. 1,796,165; Mar. 10.
Dispenser, Soda. S. Spector and S. Brandfon. Des. 85,718; Dec. 8.
Dispensing and display device. H. C. Smith and D. R. Vanneman. 1,804,519; May 12.
Dispensing and lighting device. F. C. Copeland. 1,838,363; Dec. 29.
Dispensing apparatus. R. S. Beatton. 1,822,557; Sept. 8.
Dispensing apparatus. W. E. Bihl and A. Ramclau. 1,789,300; Jan. 20.
Dispensing apparatus. C. H. Edwards and R. L. Transtrom. 1,811,114; June 23.
Dispensing apparatus. E. Kanter. Des. 85,289; Oct. 6.
Dispensing apparatus. A. C. Lemme. 1,788,348; Jan. 6.
Dispensing apparatus. E. E. Slick. 1,821,951; Sept. 1.
Dispensing apparatus. A. R. White. 1,816,452; July 28.
Dispensing apparatus, Article. F. N. Roehrich and A. Levine. 1,788,206; Jan. 6.
Dispensing apparatus, Automatic. C. Brahy. 1,793,902; Feb. 24.
Dispensing apparatus, Beverage. J. M. Travis. 1,822,117; Sept. 8.
Dispensing apparatus, Coin collecting liquid. E. E. Eickmeyer. 1,813,348; July 7.
Dispensing apparatus, Coin-operated liquid-. D. A. Haley. 1,798,466; Mar. 31.
Dispensing apparatus, Drink-. M. Harrison. Des. 82,987; Jan. 6.
Dispensing apparatus, Fluid. J. C. Woodford. 1,828,696; Oct. 20.
Dispensing apparatus, Fluid commodity. W. J. Wignall. 1,831,898; Nov. 17.
Dispensing apparatus, Liquid. R. E. Bechtold. 1,826,340; Oct. 6.
Dispensing apparatus, Liquid-. C. W. Carey. 1,791,349; Feb. 3.
Dispensing apparatus, Liquid-. J. B. Davis. 1,791,195; Feb. 3.
Dispensing apparatus, Liquid. C. A. Desimone. 1,826,204; Oct. 6.
Dispensing apparatus, Liquid-. T. Di Tella. 1,790,410; Jan. 27.
Dispensing apparatus, Liquid-. E. E. Eickmeyer. 1,797,947; Mar. 24.
Dispensing apparatus, Liquid. L. McCandless and J. D. Sartakoff. 1,815,926; July 28.
Dispensing apparatus, Liquid. W. E. Splain. 1,825,682; Oct. 6.
Dispensing apparatus, Liquid. W. S. Townsend. 1,810,151; June 16.
Dispensing apparatus, Lubricant-. A. L. Wertz. 1,800,333; Apr. 14.
Dispensing apparatus of the visible type. R. W. Bond. 1,814,662; July 14.
Dispensing apparatus of the visible type. R. W. Bond. 1,816,513; July 28.
Dispensing apparatus, Package. E. M. Jones. 1,804,534; May 12.
Dispensing attachment for collapsible tubes. M. B. Homer. 1,833,575; Nov. 24.
Dispensing cabinet. H. D. Young. Des. 85,566; Nov. 10.
Dispensing can. B. O. Rhodes. 1,817,322; Aug. 4.
Dispensing can, Ice-cream-. E. C. Epple. 1,795,849; Mar. 10.
Dispensing case. C. J. Markson. 1,825,805; Oct. 6.
Dispensing device. H. Bartenbach. 1,826,717; Oct. 13.
Dispensing device. H. H. Boiles. 1,800,431; Apr. 14.
Dispensing device. F. J. Caron. 1,791,350; Feb. 3.
Dispensing device. R. D. Comrie. 1,827,564; Oct. 13.
Dispensing device. T. N. Deligianes and A. A. Bourdes. 1,832,692; Nov. 17.
Dispensing device. C. A. Ertola. 1,793,787; Feb. 24.
Dispensing device. J. J. La Spisa. 1,797,727; Mar. 24.
Dispensing device. L. M. Narbo. 1,806,363; May 19.
Dispensing device. R. B. Rothwell. 1,826,189; Oct. 6.
Dispensing device. C. B. Tompkins. 1,835,541; Dec. 8.
Dispensing device. R. L. Tone. 1,802,359; Apr. 28.
Dispensing device, Cigarette-. J. N. M. Keyzer. 1,798,681; Mar. 31.
Dispensing device for small commodities. M. Mellin. 1,816,542; July 28.
Dispensing device for stacked articles. H. D. Gregory. 1,809,690–1; June 9.
Dispensing device for whipped cream and similar materials. F. W. Intemann and C. L. H. Intemann. 1,802,113; Apr. 21.
Dispensing device, Liquid-soap-. L. Kooperstein. 1,789,338; Jan. 20.
Dispensing device, Liquid-soap-. E. Soreny. 1,792,513; Feb. 17.
Dispensing machine. W. E. Bihl and A. Ramclaw. 1,801,409; Apr. 21.
Dispensing machine. G. S. Cooke. 1,789,669; Jan. 20.
Dispensing machine. S. Hanson. 1,821,510; Sept. 1.
Dispensing machine. J. K. Skoverski. 1,837,592; Dec. 22.
Dispensing machine for toilet seat covers. C. O. Young. 1,806,573; May 19.
Dispensing means. P. N. Elderkin. 1,806,599; May 26.
Dispensing, measuring, and computing device. M. L. Jackson and J. R. Carter. 1,828,188; Oct. 20.
Dispensing mechanism. A. H. Du Grenier. 1,809,584; June 9.
Dispensing mechanism. R. G. Ryan. 1,792,763; Feb. 17.
Dispensing mechanism, Strip-. J. Rast, F. Kummer and F. Pauli. 1,789,688; Jan. 20.
Dispensing stand. C. F. Blattner. Des. 84,870; Aug. 18.
Dispensing the equipment necessary for the practice of feminine hygiene, Device for. C. M. Bell. 1,811,345; June 23.
Dispensing unit. C. F. Bertschinger. Des. 83,489; Mar. 3.
Dispensing unit embodying mechanical refrigeration. L. G. Copeman. 1,811,456; June 23.
Dispersion. F. Zwilgmeyer. 1,817,958; Aug. 11.
Dispersions and producing same. J. M. Fain. 1,793,918; Feb. 24.
Displacement meter, Volumetric. H. C. Leeseberg. 1,831,671; Nov. 10.
Display and decorating device. E. Carraine. 1,825,505; Sept. 29.
Display and dispensing apparatus, Food. J. H. Johnson. 1,800,863; Apr. 14.
Display and filing cabinet for tile samples. Combined. W. V. Stafford. Des. 85,554; Nov. 10.
Display and roasting machine. F. and A. Saunders. 1,790,488; Jan. 27.
Display and storage unit, Combined. W. E. Peterson. 1,824,683; Sept. 22.
Display and vending apparatus. E. Brunhoff. 1,804,913; May 12.
Display apparatus. R. M. Craig. 1,792,731; Feb. 17.
Display apparatus. R. M. Craig. 1,802,755–7; Apr. 28.
Display apparatus. R. M. Craig. 1,803,599; May 5.
Display apparatus. R. M. Craig. 1,817,508; Aug. 4.

Display apparatus. F. J. Hofschneider. 1,807,986; June 2.
Display apparatus. A. Schreiber. 1,829,113; Oct. 27.
Display apparatus. F. R. Svoboda. 1,797,534; Mar. 24.
Display apparatus. D. H. Ward. 1,813,332; July 7.
Display apparatus. M. L. Wilson and E. Pond. 1,837,743; Dec. 22.
Display apparatus. J. Youkers. 1,801,384; Apr. 21.
Display apparatus, Aerial. O. Werner. 1,791,857; Feb. 10.
Display apparatus, Brush-. K. D. Currie. Des. 83,391; Feb. 17.
Display apparatus, Electrically moved. A. Waters and S. J. Waters. 1,816,102; July 28.
Display apparatus, Movable. H. S. Wilson. 1,792,521; Feb. 17.
Display apparatus, Refrigerating. E. A. Burrows. Re18,025; Apr. 7.
Display assembly. M. M. Friedemann. 1,788,096; Jan. 6.
Display board. J. Raffelson. 1,789,908; Jan. 20.
Display board, Advertising. R. H. Churchill. 1,827,731; Oct. 20.
Display box. D. F. Benbow. 1,825,332; Sept. 29.
Display box. J. L. Brooks, jr. 1,821,960; Sept. 8.
Display box. B. K. Marvin. 1,803,861; May 5.
Display box. J. Mayeroff and A. J. Quinby. 1,800,091; Apr. 7.
Display box. R. I. Rhodes, jr. 1,817,766; Aug. 4.
Display box. C. C. Wilson. 1,811,164; June 23.
Display box, Merchandise. A. L. Martin. 1,816,598; July 28.
Display bracket. J. H. Imrie. 1,800,075; Apr. 7.
Display bracket. R. J. Re Nois. 1,822,905; Sept. 15.
Display case. J. P. Bertram and A. Berliner. 1,809,155–6; June 9.
Display case. G. G. Griswold. 1,794,894; Mar. 3.
Display case. C. V. Hill. 1,830,547; Nov. 3.
Display case. C. J. Taylor and W. H. Dunn. 1,827,175; Oct. 13.
Display case. J. W. Thompson. Des. 85,605; Nov. 17.
Display case, Artificially cooled. W. Abrahamson. 1,807,332; May 26.
Display case, Refrigerated. M. Abood. 1,811,376; June 23.
Display case, Refrigerator. C. B. Longstreth. 1,792,748; Feb. 17.
Display case, Refrigerator. D. E. Rutishauser. Des. 83,352; Feb. 17.
Display device. D. Babcock. 1,834,929; Dec. 8.
Display device. M. G. Boosalis and A. S. T. Lagaard. 1,798,778; Mar. 31.
Display device. W. C. Bower. 1,812,318; June 30.
Display device. J. E. Burgess. 1,808,099; June 2.
Display device. W. H. Dey. 1,803,602; May 5.
Display device. G. R. Eaton. 1,830,828; Nov. 10.
Display device. M. M. Einson. 1,822,570–71; Sept. 8.
Display device. A. J. Ellern. 1,805,209; May 12.
Display device. L. J. Ellsworth and J. G. Ingalls. Des. 83,516; Mar. 3.
Display device. W. J. Fitzpatrick. 1,824,539; Sept. 22.
Display device. A. J. Freiler. 1,808,303; June 2.
Display device. D. B. Gordon. 1,807,403; May 26.
Display device. P. H. Grennan. 1,818,247; Aug. 11.
Display device. F. Gritt. 1,818,248; Aug. 11.
Display device. I. G. Haas. 1,818,799; Aug. 11.
Display device. R. R. Heywood, jr. 1,809,298; June 9.
Display device. A. Holtzman. 1,808,895; June 9.
Display device. H. E. Irwin. 1,792,541; Feb. 17.
Display device. H. J. Jones. 1,824,721; Sept. 22.
Display device. N. J. Leigh. 1,834,955; Dec. 8.
Display device. J. E. Lineberger. 1,829,995; Nov. 3.
Display device. F. Mallgraf. 1,793,861–2; Feb. 24.
Display device. G. F. Mattman. 1,790,871; Feb. 3.
Display device. G. F. Packard. 1,800,099; Apr. 7.
Display device. W. B. Parmele. 1,791,533; Feb. 10.
Display device. A. V. Polak. 1,832,789; Nov. 17.
Display device. F. H. Rasmussen. 1,803,727; May 5.
Display device. J. L. Rice. 1,812,171; June 30.
Display device. R. M. Sanders. 1,823,988; Sept. 22.
Display device. A. Schiff. 1,806,120; May 19.
Display device. W. M. Scholl. 1,831,036; Nov. 10.
Display device. S. G. Silberstein. 1,827,803; Oct. 20.
Display device. S. Spector and C. B. Williams. 1,829,766; Nov. 3.
Display device. R. W. Steele. 1,826,533; Oct. 6.
Display device. W. and G. C. Swenson. 1,827,493; Oct. 13.
Display device. J. J. Wasser. 1,829,915; Nov. 3.
Display device. J. Wurtzberg. Des. 85,565; Nov. 10.
Display device. C. Whitman. 1,837,387; Dec. 22.
Display device. J. Zallio. 1,832,605; Nov. 17.
Display device, Advertising. H. J. Zieman. 1,792,135; Feb. 10.
Display device, Cardboard. E. Schwartz. 1,793,563; Feb. 24.
Display device, Changeable. S. L. Long. 1,838,774; Dec. 29.
Display device for buildings. G. R. Magney, W. H. Tusler, and L. E. Arnal. 1,806,634; May 26.
Display device, Illuminated portable. C. Peckerman. Des. 85,541; Nov. 10.
Display device, Jewelry-. G. F. Green. 1,799,364; Apr. 7.
Display device, Mail box and house-number-. T. H. Landgraf. 1,789,239; Jan. 13.
Display device, Mechanical. J. H. J. Jenkins. 1,835,876; Dec. 8.
Display device, Mechanical. H. Kohirigawa. 1,826,939; Oct. 13.
Display device, Oil-. G. L. Harpham. 1,796,991; Mar. 17.
Display device, Puzzle. B. W. Shockley. 1,789,782; Jan. 20.
Display device, Shoe-. D. W. Goodwin. 1,791,407; Feb. 3.
Display device, Visible liquid. D. A. Corcoran. 1,807,966; June 2.
Display fixture. D. N. Miller. 1,838,276; Dec. 29.
Display fixture. H. L. Nolte. 1,823,840; Sept. 15.
Display, Folding. H. Ziemmerman. 1,817,598; Aug. 4.
Display form. A. Simson. 1,809,361; June 9.
Display frame. J. H. Bohan. 1,837,521; Dec. 22.
Display frame. P. F. Paige and G. H. Blood. 1,804,373; May 5.
Display frame. R. C. Ware. 1,837,348; Dec. 22.
Display globe, Illuminated. E. F. Straw. 1,806,769; May 26.
Display head. R. W. Dumont. Des. 84,406; June 16.
Display, Illuminated. H. Sarafian. 1,817,397; Aug. 4.
Display, Luminous. F. Hotchner. 1,825,799; Oct. 6.
Display mechanism. R. M. Craig. 1,800,054; Apr. 7.
Display mechanism. C. Roberts. 1,806,985; May 26.
Display mechanism, Garment-. J. Raffelson. 1,789,909; Jan. 20.
Display or advertising device. M. M. Einson. 1,838,138; Dec. 29.
Display or advertising device. M. M. Einson. 1,838,219; Dec. 29.
Display or advertising device. M. M. Einson. 1,838,301; Dec. 29.
Display or reflector sign, Luminous. J. C. Stimson. Re18,166; Aug. 25.
Display or supporting stand. M. M. Einson. 1,822,569; Sept. 8.
Display package. J. L. Cowan. 1,804,152; May 5.
Display plate. J. F. Meyer. Des. 85,341; Oct. 13.
Display rack. R. K. Austin. 1,835,744; Dec. 8.
Display rack. H. L. Beach. 1,810,812; June 16.
Display rack. E. L. Betts. 1,827,776; Oct. 20.
Display rack. J. W. Duclos. 1,791,616; Feb. 10.
Display rack. F. W. Gibson. Des. 83,798; Mar. 31.
Display rack. H. H. Harsted. 1,803,016; Apr. 28.
Display rack. S. T. Hobbs. 1,789,628; Jan. 20.
Display rack. P. R. Holtzman. 1,831,493; Nov. 10.
Display rack. J. F. Huckel. 1,827,008; Oct. 13.
Display rack. B. A. Landers. 1,807,990; June 2.
Display rack. L. S. Lifschultz. 1,815,858; July 21.
Display rack. C. A. Peterson. Des. 85,303; Oct. 6.
Display rack. M. W. Rogers, sr. 1,816,747; July 28.
Display rack. T. L. and G. M. Seaman. 1,794,253; Feb. 24.
Display rack. H. L. Snyder. 1,822,175; Sept. 8.
Display rack. W. Traylor and V. D. Arthur. 1,816,705; July 28.
Display rack, Adjustable. W. L. Calkins. 1,827,969; Oct. 20.
Display stand. W. H. Averill. 1,805,352; May 12.
Display stand. S. F. Boyce. Des. 85,456; Oct. 27.
Display stand. L. Chartoff. 1,790,338; Jan. 27.
Display stand. M. M. Friedemann. 1,824,813; Sept. 29.
Display stand. H. F. Goulet. 1,823,396; Sept. 15.
Display stand. G. E. Graybill. Des. 84,891; Aug. 18.
Display stand. H. A. Hamilton. Des. 85,691–2; Dec. 8.
Display stand. F. B. Handel. 1,797,956; Mar. 24.
Display stand. A. L. Hansen. 1,819,814; Aug. 18.
Display stand. J. D. Haskins. Des. 85,286; Oct. 6.
Display stand. G. C. Herren. 1,811,315; June 23.
Display stand. A. C. Hill. 1,787,859; Jan. 6.
Display stand. M. Keim. Des. 84,481; June 23.
Display stand. E. C. Kubler. Des. 83,864; Apr. 7.
Display stand. W. J. Linnemans. Des. 83,053; Jan. 13.
Display stand. R. B. Lustig. Des. 84,220; May 19.
Display stand. H. M. Peters. 1,807,493; May 26.
Display stand. F. Pfous. Des. 85,595; Nov. 17.
Display stand. H. K. Smith. 1,802,037; Apr. 21.
Display stand. H. E. Soref. 1,820,841; Aug. 25.
Display stand. W. L. Toler. 1,821,592; Sept. 1.
Display stand. T. L. Waters. 1,823,302; Sept. 15.
Display stand, Advertising. M. B. McCausland. 1,835,714; Dec. 8.
Display stand, Advertising fishing-rod. H. F. Gephart. Des. 83,322; Feb. 17.
Display stand, Advertising toothbrush. H. J. Bosworth. Des. 85,857; Dec. 29.
Display stand, Article. O. J. Johnson. 1,801,432; Apr. 21.
Display stand base and standard, Combined. A. E. Lyons. Des. 83,983; Apr. 21.
Display stand, Collapsible. F. A. Woolley. 1,834,196; Dec. 1.
Display stand, Combination. D. Hess. 1,787,982; Jan. 6.
Display stand, Combination base and column for a. W. E. Kehoe. Des. 83,404–5; Feb. 17.
Display stand, Folding. M. G. Werme. 1,803,742; May 5.
Display stand, Necktie-. C. W. Joham. 1,800,733; Apr. 14.
Display stand, Plumbing-fixture-. O. Witzleb. 1,796,176; Mar. 10.
Display stand, Portable. J. Kass. 1,828,555; Oct. 20.
Display stand, Revoluble. J. H. Penniman and J. G. Collins. 1,789,562; Jan. 20.

Display stand, Stocking-. M. Feinberg and J. Nielsen. 1,798,662; Mar. 31.
Display table. W. M. Hansom. Des. 84,475; June 23.
Display table. R. B. Lustig. Des. 83,331; Feb. 17.
Displaying and removing mechanism, Rug. F. P. Gracey. 1,791,355; Feb. 3.
Displaying rugs and the like, Apparatus for. J. N. Harris. 1,815,311; July 21.
Dissecting table. S. E. Johnson and S. I. Kornhauser. 1,793,489; Feb. 24.
Distance controlling apparatus, Long-. H. Sundhaussen. 1,800,328; Apr. 14.
Distance determining instrument. J. Szabo. 1,826,582; Oct. 6.
Distance to ground connections in electro conductors, Apparatus for determining the. H. Poleck. 1,825,754; Oct. 6.
Distances traveled by conveyances, Apparatus for recording the. F. Toewe. 1,816,751; July 28.
Distillate-chilling apparatus. H. Torrance. 1,796,772; Mar. 17.
Distillate, Manufacturing high compression automotive. C. J. Pratt. 1,810,574; June 16.
Distillation. O. Behimer. 1,806,732; May 26.
Distillation. J. V. E. Dickson. 1,821,144; Sept. 1.
Distillation. R. D. Hunneman, F. M. Rogers, and R. E. Wilson. 1,791,209; Feb. 3.
Distillation. A. Schmalenbach. 1,802,539; Apr. 28.
Distillation and like column. A. Kuhn. 1,808,666; June 2.
Distillation apparatus. F. G. Ring. 1,802,274; Apr. 21.
Distillation apparatus. W. Sieck, jr. 1,831,887; Nov. 17.
Distillation apparatus, Destructive. E. L. Day. 1,820,600; Aug. 25.
Distillation control, Method and apparatus for. W. K. Lewis. 1,789,339; Jan. 20.
Distillation process. S. P. Miller. 1,800,224; Apr. 14.
Distillation process and apparatus therefor. O. Heller. 1,796,100; Mar. 10.
Distillation or heat treatment of carbonaceous or like materials. E. M. Salerni. 1,828,683; Oct. 20.
Distillation system. A. F. Keane. 1,803,671; May 5.
Distilling apparatus. M. R. Mitchell and R. W. Skoog. 1,819,190; Aug. 18.
Distilling plant. J. T. Myers. 1,795,404; Mar. 10.
Distortion correction in transmission systems. W. P. Mason. 1,837,229; Dec. 22.
Distortion neutralizing repeater. H. Nyquist. 1,834,002; Dec. 1.
Distributing apparatus. A. S. Van Halteren. 1,795,582; Mar. 10.
Distributing apparatus. R. Work. 1,830,499; Nov. 3.
Distributing apparatus for fondant, cream, and other confections. W. F. Heller. 1,796,928; Mar. 17.
Distributing block, Potential. E. A. Demonet and P. S. Copenhaver. 1,817,737; Aug. 4.
Distributing device. F. J. Dolan. 1,805,940; May 19.
Distributing device. G. R. Webber. 1,796,133; Mar. 10.
Distributing device for distributor drills. R. Bergerioux. 1,803,521; May 5.
Distributing machine. P. Burkert. 1,831,158; Nov. 10.
Distributing means for fuel to stokers. H. H. Baker and C. S. Davy. 1,828,729; Oct. 27.
Distributing system. J. J. Mojonnier. 1,794,387; Mar. 3.
Distributing system, Electric. N. Togami. 1,787,500; Jan. 6.
Distributing system for objects. J. E. Albertoli. 1,802,546; Apr. 28.
Distributing system for objects. J. E. Albertoli. 1,815,029; July 21.
Distributing tank. C. D. Chase. 1,804,592; May 12.
Distributing tank. J. W. Cox. 1,790,699; Feb. 3.
Distribution block, Portable. E. R. McCutchen. 1,833,295; Nov. 24.
Distribution switch. G. P. Edmonds. 1,807,030; May 26.
Distribution system. E. F. W. Alexanderson. 1,800,002; Apr. 7.
Distribution system. E. F. W. Alexanderson. 1,835,131; Dec. 8.
Distribution, System of. A. H. Mittag. 1,807,426; May 26.
Distributor. E. Kilponen. 1,826,888; Oct. 13.
Distributor, Fertilizer. H. Gage. 1,837,155; Dec. 15.
Distributor and lock therefor. O. S. Hershey and E. J. Van Sickel. 1,815,313; July 21.
Distributor for manure and other material. M. Higgins. 1,825,523; Sept. 29.
Distributor for pulverized fuel. H. E. Yarrow. 1,821,868; Sept. 1.
Distributor for pulverulent and pasty products. J. E. B. Maillard. 1,816,383; July 28.
Distributor mechanism for typographical machines. S. E. Sperry. 1,800,033; Apr. 7.
Distributor plate. W. T. Hanna. 1,832,022; Nov. 17.
Distributor ring. C. L. Fortescue. 1,799,977; Apr. 7.
Distributor, Rotary. A. A. Clokey and W. A. Knoop. 1,813,913; July 14.
Distributor, Rotary. H. Steeneck. 1,817,717; Aug. 4.
Distributor testing device. H. C. Woodbury. 1,819,312; Aug. 18.
Distributors, Mechanism for the automatic control of liquid. J. J. M. Gueux. 1,837,041; Dec. 15.
Disturbing elements, Apparatus for reducing. C. R. Keith. 1,811,941; June 30.
Disulphides, Manufacture of organic. G. C. Bailey. 1,796,977; Mar. 17.
Ditch. F. J. Miles. 1,830,848; Nov. 10.
Ditch-cleaning and road-grading machine. D. C. Gilbert. 1,800,065; Apr. 7.
Ditch filling machine. W. V. Middleton and J. W. Thropp. 1,804,789; May 26.
Ditch trimmer. J. D. Gabrieau. 1,817,306; Aug. 4.
Ditcher. J. C. McClurkin. 1,794,787; Mar. 3.
Ditchers, Weed-cutting attachment for. J. C. McClurkin. 1,794,788; Mar. 3.
Ditching machine. H. H. Barber. 1,821,537; Sept. 1.
Divided materials, Process and mechanism for separating intermixed. R. Peals. 1,812,365; June 30.
Diving apparatus. V. Szamier. 1,824,512; Sept. 22.
Dobby for harness and box motion, Reversible. W. M. Wattie. 1,826,334; Oct. 6.
Dobby lever. R. C. Newton. 1,811,209; June 23.
Dockage collecting and separating device. C. C. Palmer. 1,813,948; July 14.
Dock-strut or stay. P. E. Leupen. 1,832,782; Nov. 17.
Doctor. F. W. Lodding, and J. W. Vedder. 1,803,909; May 5.
Doctor blade. E. S. Ballard. 1,812,920; July 7.
Doctor, Flexible. J. W. Vedder and F. W. Lodding. 1,803,825; May 5.
Doctor, Laminated. J. W. Vedder. 1,803,924; May 5.
Doctor or scraper blade, Flexible. J. W. Vedder. 1,803,927; May 5.
Document filing device. G. A. Phillips. 1,817,930; Aug. 11.
Document photographing apparatus, Indicating device for. R. S. Hopkins. 1,826,664; Oct. 6.
Doffing and donning machine. B. Evcichjevitz. 1,795,300; Mar. 10.
Doffing mechanism for flyer spinning, doubling, twisting, and like machines. J. A. Porter. 1,823,374; Sept. 15.
Dog carrier. A. Meurer. 1,813,458; July 7.
Dog, Novelty. C. B. Bickel. Des. 85,277; Oct. 6.
Doily. E. Karfiol. Des. 83,542–6; Mar. 3.
Doily. E. Karfiol. Des. 84,039; Apr. 28.
Doily. E. Karfiol. Des. 84,418; June 16.
Doily. E. Karfiol. Des. 84,749; July 28.
Doily. E. Karfiol. Des. 84,989; Sept. 1.
Doily. E. Karfiol. Des. 85,185 Sept. 22.
Doily, Paper. F. A. Conrad. Des. 84,183; May 19.
Doll. N. Bischof. Des. 83,244; Feb. 10.
Doll. C. L. Black. Des. 83,424; Feb. 24.
Doll. A. Blaustein. 1,805,231; May 12.
Doll. I. Cohn. Des. 84,398; June 16.
Doll. R. A. Crist. 1,828,765; Oct. 27.
Doll. E. W. De Huff. Des. 83,958; Apr. 21.
Doll. J. G. Fleming. 1,822,437; Sept. 8.
Doll. N. J. Givago-Grishina. Des. 85,284; Oct. 6.
Doll. M. Greene. Des. 84,414; June 16.
Doll. H. B. Hebert. Des. 84,191; May 19.
Doll. C. D. Johnson. Des. 83,108; Jan. 20.
Doll. B. L. Kelley and L. Winniford. Des. 84,247; May 26.
Doll. M. A. Kolar. 1,827,476; Oct. 13.
Doll. K. Knudsen. Des. 83,731; Mar. 24.
Doll. E. McCandlish. Des. 85,884; Dec. 29.
Doll. M. Sanders. 1,793,335; Feb. 17.
Doll. C. L. Scovil. Des. 85,889–90; Dec. 29.
Doll. A. Séror. Des. 84,445; June 16.
Doll. C. Smith. Des. 85,124; Sept. 15.
Doll. J. H. Wilhelm. 1,824,316–7; Sept. 22.
Doll and toy animal. L. McBee. 1,790,872; Feb. 3.
Doll, Animal. K. Herrmann. 1,793,400; Feb. 17.
Doll, Boudoir. G. Hudson. Des. 83,447; Feb. 24.
Doll, Dancing. A. G. Barrett. 1,791,700; Feb. 10.
Doll eye-bulb. S. Hellwell. 1,805,823; May 19.
Doll eye mounting. S. Marcus and A. Konoff. 1,809,053; June 9.
Doll-eye settings, Assembling the parts of. L. J. Grubman. 1,798,155; Mar. 31.
Doll eyes. L. A. Nemcovsky. 1,801,753; Apr. 21.
Doll handkerchief. J. L. Holt. 1,819,295; Aug. 18.
Doll head. S. Marcus. 1,792,175; Feb. 10.
Doll head. J. H. Wilhelm. 1,800,711; Apr. 14.
Doll heads, Producing. S. Marcus. 1,792,174; Feb. 10.
Doll or similar article. C. Bennett. Des. 84,731–2; July 28.
Doll or similar article. I. Cowen. Des. 84,810; Aug. 11.
Doll or similar article. J. V. Spina. Des. 85,449; Oct. 27.
Doll or similar article. F. Strauss. Des. 85,846; Dec. 22.
Doll, Penguin. M. S. Larson. Des. 85,757; Dec. 15.
Doll toy. G. G. Drayton. Des. 83,897; Apr. 14.
Doll, Wash-cloth. J. Hale. Des. 83,419; Feb. 17.
Dolls and the like and tool for attaching the same, Tongue and tooth set for. S. Marcus. 1,832,465; Nov. 17.
Dolls, Eye mounting for. L. J. Grubman. 1,797,415; Mar. 24.
Dolls, Eye mounting for. L. J. Grubman. 1,798,154; Mar. 31.
Doll's eyes and mounting therefor. L. W. Pollack. 1,807,091; May 26.
Doll's head with variable features. P. J. Christensen. 1,790,743; Feb. 3.
Dolly. R. E. Manley. 1,804,997; May 12.
Dolly. A. A. Redford. 1,814,262; July 14.
Dolly for drill sharpeners. C. Larson. 1,814,516; July 14.
Dolly, Metallic. J. B. Fletcher. 1,827,226; Oct. 13.
Dolphin. H. Oberschulte. 1,837,988; Dec. 22.
Domestic appliance. R. L. Lee. 1,808,927; June 9.
Domestic appliance. R. L. Lee. 1,826,798; Oct. 13.
Domestic heater. J. W. Ratz. 1,796,047; Mar. 10.

Door. A. S. Barrows. 1,838,731; Dec. 29.
Door. A. C. Farr. 1,804,329; May 5.
Door. C. H. Hoffstetter. Des. 84,241; May 26.
Door. R. Hubbert. 1,799,423; Apr. 7.
Door. H. S. Kerby. 1,800,800; Apr. 14.
Door. C. J. Wunderlich. 1,794,938; Mar. 3.
Door, Airplane hangar. D. Greenwald. 1,830,653; Nov. 3.
Door alarm. Z. Pehel and G. Zych. 1,825,888; Oct. 6.
Door aligning and antirattle device. D. M. Winans. 1,829,916; Nov. 3.
Door aligning and cushioning device. J. Swanski. 1,829,462; Oct. 27.
Door and constructing same. J. W. Meadowcroft. 1,796,114; Mar. 10.
Door and door lock, Lamp. S. W. Hyatt. 1,790,585; Jan. 27.
Door and door operating device. M. W. Hawks. 1,820,941; Sept. 1.
Door and doorway. U. C. Thies. 1,822,251; Sept. 8.
Door and operating means therefor. V. W. Moray. 1,839,045; Dec. 29.
Door and partition, Combined. R. E. Moore. 1,810,780; June 16.
Door and window construction. B. J. Goldsmith and E. Koeb. 1,788,390; Jan. 13.
Door and window screen. B. L. Ingram and W. H. De Long. 1,814,162; July 14.
Door and window silencer. H. P. Hay. 1,835,775; Dec. 8.
Door appliance, Garage. T. Kloss. 1,816,977; Aug. 4.
Door arm. L. C. Norton. 1,821,571; Sept. 1
Door arrangement, Car-. B. W. Kadel. 1,790,307; Jan. 27.
Door, Automatic garage. F. L. Morse. 1,796,660; Mar. 17.
Door, Automobile. E. G. Bullis. 1,791,075; Feb. 3.
Door, Automobile. E. G. Bullis. 1,808,129; June 2.
Door, Boiler. W. A. Jones. 1,818,402; Aug. 11.
Door bolt mechanism. C. J. Prinzler. 1,815,584; July 21.
Door, Canopy-type. F. J. Nies. 1,787,589; Jan. 6.
Door, Car. A. S. Barrows. 1,821,491; Sept. 1.
Door, Car. A. Campbell. 1,817,346; Aug. 4.
Door, Car. A. Campbell. 1,826,049; Oct. 6.
Door, Car. A. Campbell and G. B. Willard. 1,817,347; Aug. 4.
Door, Car. G. B. Dorey. 1,830,387–8; Nov. 3.
Door, Car. C. E. Eklind and W. W. Darrow. 1,836,230; Dec. 15.
Door, Car. T. H. Goodnow. 1,789,359; Jan. 20.
Door, Car. F. C. Heinen, K. J. Tobin, and A. Wasberg. 1,809,697; June 9.
Door, Cast hopper. G. G. Gilpin. 1,805,664; May 19.
Door, Cast metal drop. G. G. Gilpin. 1,805,661; May 19.
Door, Cast metal hopper. G. G. Gilpin. 1,805,660; May 19.
Doorcheck. H. M. Armistead. 1,834,671; Dec. 1.
Door check. T. H. Banfield. 1,801,840; Apr. 21.
Doorcheck. C. W. Beck. 1,810,003; June 16.
Doorcheck. F. N. Carlson. 1,836,013; Dec. 15.
Door check. A. B. Clark. 1,808,837; June 9.
Doorcheck. A. B. Clark. 1,837,407; Dec. 22.
Doorcheck. J. B. Doyle. 1,827,143; Oct. 13.
Doorcheck. H. J. and L. L. Estey. 1,802,639; Apr. 28.
Door check. S. Hammer. 1,836,918; Dec. 15.
Doorcheck. C. L. Johnsen. 1,837,716; Dec. 22.
Doorcheck. A. C. MacGuire. 1,827,595; Oct. 13.
Doorcheck. C. N. Mitchell. 1,836,383; Dec. 15.
Doorcheck. W. R. Pence. 1,790,763; Feb. 3.
Doorcheck. H. Perry. 1,788,587; Jan. 13.
Doorcheck. H. Smith. 1,807,607; June 2.
Doorcheck. H. D. Stephens. 1,802,741; Apr. 28.
Doorcheck. W. E. Stonebridge. 1,828,082; Oct. 20.
Door check. B. Summerfield. 1,818,655; Aug. 11.
Door check device. J. H. Vander Veer. 1,835,103; Dec. 8.
Door check, floor type. L. C. Norton. 1,821,570; Sept. 1.
Door closer. S. W. C. Fitts. 1,834,609; Dec. 1.
Door closer. M. Kalthoff. 1,803,258; Apr. 28.
Door closer. H. J. McFerren. 1,819,187; Aug. 18.
Door closer. W. F. Moore. 1,816,391–2; July 28.
Door closer. A. Reese. 1,810,293; June 16.
Door closer and check. E. Bommer. 1,816,169; July 28.
Door closer, Spring. C. Kuchauskas. 1,788,060; Jan. 6.
Door closing and locking mechanism, Electrically-operated. E. J. Barsony. 1,788,271; Jan. 6.
Door closing device, Elevator. A. A. Wayne. 1,827,631; Oct. 13.
Door, Coke oven. C. Otto. 1,827,329; Oct. 13.
Door, Coke oven. C. Otto. 1,830,958; Nov. 10.
Door, Coke oven. C. Otto. 1,833,494; Nov. 24.
Door, Coke-oven. H. Schwarz. 1,795,515; Mar. 10.
Door construction. P. F. and S. J. Cook, jr. 1,832,966; Nov. 24.
Door construction. F. W. Cuffe. 1,801,190; Apr. 14.
Door construction. S. Hammer. 1,838,178; Dec. 29.
Door construction. J. A. Loetscher. 1,825,878; Oct. 6.
Door construction. H. J. Lounsbury. 1,809,857; June 16.
Door construction. J. F. O'Connor. 1,823,755; Sept. 15.
Door construction. J. E. Scott. 1,182,120; June 30.
Door construction, Automobile. J. Ledwinka. 1,809,592; June 9.
Door construction, Corner. K. J. Tobin and W. W. Darrow. 1,814,647; July 14.
Door construction for greenhouses and the like, Ventilator-. P. L. McKee. 1,796,113; Mar. 10.
Door construction for railway cars. J. E. Lindeman. 1,806,401; May 19.
Door construction, Garage-. W. D. Ferris. 1,788,994; Jan. 13.
Door construction, Grain-. D. W. Downhour. 1,790,137; Jan. 27.
Door construction, Oven. H. Herrenbruck. 1,806,758; May 26.
Door construction, Railway-car-. A. Campbell. 1,787,855; Jan. 6.
Door construction, Refrigerator. V. P. Warren. 1,814,272; July 14.
Door construction, Sliding. E. C. Pitcher. 1,831,031; Nov. 10.
Door control. H. F. Freeman. 1,790,701; Feb. 3.
Door control. J. B. Hagan. 1,790,268; Jan. 27.
Door control, Car-. E. Murphy. 1,795,790; Mar. 10.
Door control, Elevator. T. J. Osinga. 1,807,006; May 26.
Door control, Garage. J. H. Usher. 1,801,533; Apr. 21.
Door controlling mechanism, Dump car. N. S. Reeder. 1,834,422; Dec. 1.
Door coordinating device. M. W. Rosenberg. 1,796,050; Mar. 10.
Door counterbalancing device, Press box. J. Behle and H. Linnartz. 1,812,281; June 30.
Door detent. H. Stargardt. 1,791,387; Feb. 3.
Door dovetail. I. T. Gilliam. 1,836,464; Dec. 15.
Door, Drop. S. A. Wilde. 1,799,609; Apr. 7.
Door, Elevator. A. C. Palm. 1,828,065; Oct. 20.
Door, Elevator. R. S. Peele. 1,810,496; June 16.
Door, Elevator. J. Rak. 1,829,155; Oct. 27.
Door elevator, Side. N. K. Smith. 1,824,412; Sept. 22.
Door fastener. A. Hosig. 1,808,227; June 2.
Door, Film trap. B. A. Cawthon and A. Altieri. 1,795,999; Mar. 10.
Door, Fire. H. H. Lanning. 1,803,333; May 5.
Door, Fire. H. H. Lanning. 1,829,008; Oct. 27.
Door, Flush car. K. J. Tobin and A. Wasberg. 1,821,591; Sept. 1.
Door, Foldable sectional. B. J. Hayman. 1,833,252; Nov. 24.
Door, Folding. E. W. Brown. 1,801,220; Apr. 14.
Door for box cars, Grain. W. J. Storm. 1,820,098; Aug. 25.
Door for cabinets, Air tight. H. F. Beers. 1,815,607; July 21.
Door for cars. K. M. Hamilton. 1,826,244; Oct. 6.
Door for closed vehicle bodies. J. Ledwinka. 1,804,794; May 12.
Door for elevators and the like, Folding. G. C. Staehle. 1,799,138; Mar. 31.
Door for panels. S. E. Griswold. 1,799,164; Apr. 7.
Door for passageways, Automatically operated. H. Rowntree. 1,825,128; Sept. 29.
Door for poultry coops and crates. O. F. Carpenter. 1,833,559; Nov. 24.
Door for railway cars, Cast metal hopper. W. P. Murphy. 1,809,638; June 9.
Door for railway cars, Drop. G. G. Gilpin. 1,813,536; July 7.
Door for railway cars, Drop. G. G. Gilpin. 1,826,874; Oct. 13.
Door for railway cars, Drop. G. G. Gilpin. 1,832,016; Nov. 17.
Door for railway cars, Drop. G. G. Gilpin. 1,837,262; Dec. 22.
Door for railway cars, Drop. A. E. Small. 1,813,547; July 7.
Door for railway cars, Dump. A. S. Barrows. 1,827,063; Oct. 13.
Door for railway cars, Side. W. E. Van Dorn. 1,813,553; July 7.
Door for railway hopper cars, Hopper. A. E. Small. 1,809,644; June 9.
Door for refrigerator cars. K. J. Tobin and W. W. Darrow. 1,798,181; Mar. 31.
Door for retort chambers. W. T. Davidson. 1,833,208; Nov. 24.
Door for shower-bath cabinets. F. and I. Himmel. Des. 83,443; Feb. 24.
Doorframe. I. A. Baum. 1,792,725; Feb. 17.
Door frame, Furnace. L. R. McAfoos. 1,831,461; Nov. 10.
Doorframe, Metallic. E. E. Rose. 1,806,647; May 26.
Doorframe, Open-hearth. C. G. Watson. 1,792,947; Feb. 17.
Door frame, Railway hopper car. W. E. Wine. 1,824,645; Sept. 22.
Doorframe, Reversible. T. P. and W. T. McHugh. 1,826,516; Oct. 6.
Door framing. I. A. Baum. 1,821,254; Sept. 1.
Door, Freight-car. F. J. Hirschmann. 1,788,488; Jan. 13.
Door, Garage. E. L. Binks. 1,801,897; Apr. 21.
Door, Garage. C. G. Johnson. 1,820,195; Aug. 25.
Door, Garage. F. A. Rantz. 1,804,231; May 5.
Door, Garage. J. F. Warner. 1,815,749; July 21.
Door, Grain-car. S. H. Henderson and A. G. Burch. 1,799,232; Apr. 7.
Door grille as an article of manufacture, Self-adjusting screen-. H. P. Matthiesen and C. G. Beveridge. 1,799,308; Apr. 7.
Door handle. A. L. Birdsall. 1,833,669; Nov. 24.
Door handle, Automobile. C. B. Lowe. 1,808,048; June 2.
Door hanger. L. A. Bittorf and G. G. Behrens. 1,787,468; Jan. 6.

Door hanger. F. A. Boedtcher. 1,792,568; Feb. 17.
Door hanger. N. A. Gussack. 1,832,203; Nov. 17.
Door hanger. E. C. Pitcher. 1,832,050; Nov. 17.
Door hanger, Car. P. H. Welter. 1,802,227; Apr. 21.
Door, Hanging. F. Kubler. 1,831,455; Nov. 10.
Door hardware with screw projections. G. C. Bohn. 1,819,696; Aug. 18.
Door holder arm. D. R. Lasier. 1,826,553; Oct. 6.
Door holding device. W. G. Black. 1,808,153; June 2.
Door holding means and release. W. H. Smith. 1,804,443; May 12.
Door hook. C. C. Crowder. 1,788,707; Jan. 13.
Door hook, Safety drop-. R. D. Smith. 1,800,161; Apr. 7.
Door, Hopper. G. G. Gilpin. 1,832,015; Nov. 17.
Door, Hopper car. E. H. Holmes. 1,811,848; June 30.
Door, Inspection. M. Liptak. 1,836,478; Dec. 15.
Door jamb, Movable grain. G. H. McNolty. 1,813,753; July 7.
Door kick-out device. J. B. Flynn. 1,808,458; June 2.
Doorknob. G. R. Adams. 1,803,375; May 5.
Doorknob. W. R. Schlage. 1,799,326; Apr. 7.
Door-knob assembly. A. Rogers. 1,799,253; Apr. 7.
Doorknob construction. N. B. Stone. 1,831,043; Nov. 10.
Door knob or the like. W. N. Thomas. Des. 85,559; Nov. 10.
Doorlatch. G. L. Hinman. 1,805,091; May 12.
Door latches and window regulators, Operating means for automobile. L. Ottinger. 1,803,725; May 5.
Door lock. W. C. Devereaux. 1,807,775; June 2.
Door lock. E. Ellingson. 1,802,637; Apr. 28.
Doorlock. T. A. Farmer. 1,792,154; Feb. 10.
Doorlock. J. B. Flynn. 1,804,253; May 5.
Door lock. C. Hoffman. 1,796,891; Mar. 17.
Door lock. J. Holtzman. 1,790,422; Jan. 27.
Doorlock. J. Holtzman. 1,813,927; July 14.
Doorlock. F. Jewell. 1,835,946; Dec. 8.
Doorlock. J. Reif. 1,804,482; May 12.
Doorlock. J. A. Rymer. 1,834,223; Dec. 1.
Door lock. W. R. Schlage. 1,796,727; Mar. 17.
Doorlock. R. N. Smith. 1,813,092; July 7.
Doorlock. C. J. Williams. 1,814,536; July 14.
Doorlock actuating mechanism. C. J. Ulrich. 1,816,504; July 28.
Doorlock, Automobile. R. N. Smith. 1,813,093; July 7.
Door lock, Car. C. R. Martineau. 1,838,695; Dec. 29.
Door lock, Casing. C. M. Otis. 1,815,724; July 21.
Doorlock, Deck. J. F. Wilson. 1,805,445; May 12.
Doorlock, Dump car. A. Germek. 1,812,780; June 30.
Doorlock, Extension. A. L. Hansen. 1,831,067; Nov. 10.
Door lock handle, Automobile. R. I. Graf. 1,803,609; May 5.
Door lock, Hopper-car-. B. W. Kadel. 1,796,933; Mar. 17.
Door lock, Safety. I. Boticki. 1,797,316; Mar. 24.
Door lock, Safety. F. K. Fildes. 1,811,311; June 23.
Door, Locking cabinet. R. A. Furlong. 1,823,536; Sept. 15.
Door, Louver. A. McGavic. 1,806,637; May 26.
Door machine, Coke-oven-. R. Christianson. 1,793,456; Feb. 24.
Door mechanism, Car. E. C. Ellis and P. Maddox. 1,830,389; Nov. 3.
Door mechanism, Car-. B. W. Kadel. 1,790,308; Jan. 27.
Door mechanism, Car. B. W. Kadel. 1,803,474; May 5.
Door mechanism, Car. B. W. Kadel. 1,831,305; Nov. 10.
Door mechanism, Car-. W. E. Wine. 1,790,296; Jan. 27.
Door mechanism, Car. W. E. Wine. 1,834,263; Dec. 1.
Door mechanism, Jail. H. D. Garber. 1,811,230; June 23.
Door mechanism, Jail. A. E. Shank, G. Fisler, and J. M. Linden. 1,811,246; June 23.
Door mechanism, Load discharging car. A. Campbell. 1,818,689; Aug. 11.
Door, Metal. A. C. Goddard. 1,793,081; Feb. 17.
Door, Metal. A. C. Goddard. 1,795,022; Mar. 3.
Door, Metal. N. Michelman. 1,791,679; Feb. 10.
Door, Metal. N. Michelman. 1,810,321; June 16.
Door, Metal. J. P. Pearson and E. J. Zahner. 1,835,326; Dec. 8.
Door, Metal. J. Purcell. 1,829,014; Oct. 27.
Door, Metal-frame. A. G. New. 1,797,440; Mar. 24.
Door, Metallic. J. C. Whitridge. 1,827,863; Oct. 20.
Door, Metallic. H. C. Woehler. 1,793,382; Feb. 17.
Door, Mirror. A. and L. Katzman. 1,829,521; Oct. 27.
Door, Motor operated. T. G. Kohl and R. O. Gilburg. 1,822,042; Sept. 8.
Door mounting. J. T. Fairhurst. 1,822,729; Sept. 8.
Door movement. W. E. Duncanson. 1,822,767; Sept. 8.
Door of cast metal, Drop. G. G. Gilpin. 1,805,663; May 19.
Door of cast metal, Hopper. G. G. Gilpin. 1,805,662; May 19.
Door opener, Automatic. W. Sykes. 1,822,326; Sept. 8.
Door opener, Garage. F. Boucher. 1,822,951; Sept. 15.
Door opener, Garage-. C. D. Smelser. 1,795,452; Mar. 10.
Door opening and closing device, Garage. P. J. Kurtz. 1,792,019; Feb. 10.
Door opening and closing device, Garage. J. W. and B. A. Ward. 1,835,735; Dec. 8.
Door opening and closing mechanism, Garage-. T. A. Ewing. 1,799,222; Apr. 7.
Door opening apparatus. J. M. Loeffler. 1,807,121; May 26.
Door opening device. B. F. Zehner. 1,818,833; Aug. 11.
Door operating apparatus. G. G. Hill. 1,833,943; Dec. 1.
Door operating device. J. E. Bales and C. T. Christensen. 1,831,800; Nov. 17.
Door operating device. P. Smith. 1,824,968; Sept. 29.
Door operating device, Automatic. J. W. Gratz. 1,802,812; Apr. 28.
Door operating device, Dump wagon. F. A. Streich. 1,820,993; Sept. 1.
Door operating device, Electrical. E. R. Beeman. 1,819,809; Aug. 18.
Door-operating device for stoves and the like. J. C. Boylan. Re17,917; Jan. 6.
Door-operating device, Garage-. F. C. Davis. 1,795,477; Mar. 10.
Door operating and locking device. E. F. Jager. 1,823,453; Sept. 15.
Door operating and locking mechanism. A. Perlman. 1,813,710; July 7.
Door-operating installation, Pneumatic power. J. E. Allan, S. B. Freeman, and W. P. Patkins. 1,835,686; Dec. 8.
Door operating means. G. M. French. 1,829,513; Oct. 27.
Door operating means. K. J. Tobin and W. W. Darrow. 1,825,027; Sept. 29.
Door operating mechanism. E. E. Allard and C. R. Berry. 1,824,109; Sept. 22.
Door-operating mechanism. J. E. Bancroft. 1,790,648; Feb. 3.
Door operating mechanism. J. E. Bancroft. 1,836,059; Dec. 15.
Door-operating mechanism. J. Burch. 1,792,809; Feb. 17.
Door-operating mechanism. L. O. Corell. 1,791,475; Feb. 3.
Door-operating mechanism. W. B. Crowell and C. W. Bassett. 1,787,935; Jan. 6.
Door operating mechanism. J. Huston. 1,806,203; May 19.
Door-operating mechanism. R. A. Isenberg and W. B. Snook. 1,800,635; Apr. 14.
Door operating mechanism. B. Kling. 1,811,015; June 23.
Door operating mechanism. H. A. Miner. 1,829,106; Oct. 27.
Door-operating mechanism. D. H. Morgan. 1,789,189; Jan. 13.
Door-operating mechanism. F. L. Morse. 1,788,491; Jan. 13.
Door-operating mechanism. J. F. O'Connor. 1,793,125; Feb. 17.
Door operating mechanism. J. F. O'Connor. 1,830,956–7; Nov. 10.
Door operating mechanism. I. B. Robertson. 1,804,515; May 12.
Door operating mechanism. H. Rowntree. 1,825,129; Sept. 29.
Door-operating mechanism. A. R. Stoven. 1,796,582; Mar. 17.
Door operating mechanism, Automatic. K. Jarvela. 1,838,225; Dec. 29.
Door operating mechanism, Checking means for. A. T. Dupont. 1,807,284; May 26.
Door operating mechanism, Dump body. F. A. Streich. 1,822,324; Sept. 8.
Door operating mechanism, Elevator. W. W. Weeks. 1,807,231; May 26.
Door operating mechanism for delivery trucks. M. G. Scott. 1,805,017; May 12.
Door operating mechanism, Garage. H. N. Bovee. 1,826,984; Oct. 13.
Door operating mechanism for dump cars. W. L. Burner. 1,820,525; Aug. 25.
Door-operating mechanism for hopper cars. A. Wasberg and K. J. Tobin. 1,798,184; Mar. 31.
Door operating system, Mechanical. H. F. Martin. 1,838,491; Dec. 29.
Door operator, Elevator. C. P. Walker and D. A. Lyons. 1,823,962; Sept. 22.
Door operator, Garage. A. E. Michaelson. 1,810,320; June 16.
Door operator, Sliding-. A. S. Barrows. 1,788,184; Jan. 6.
Door operator, Swinging-. S. J. Morgan. 1,795,667; Mar. 10.
Door or gate closer. A. M. Ferrin. 1,804,385; May 5.
Door or gate stop. C. Greene. 1,803,610; May 5.
Door or like, Ventilating. L. A. Murray. 1,827,996; Oct. 20.
Door, Oven. J. F. Lee. 1,838,271; Dec. 29.
Doorpost and side-plate connection. K. Edahl. 1,792,151; Feb. 10.
Door pull. O. E. Uhlmann. Des. 84,019; Apr. 21.
Door, Railway-car. F. Ditchfield. 1,795,642; Mar. 10.
Door, Railway car drop. A. E. Small. 1,809,643; June 9.
Door, Railway car drop. A. E. Small. 1,809,645; June 9.
Door, Railway car floor. K. M. Hamilton. 1,826,348; Oct. 6.
Door, Railway car hopper. A. E. Small. 1,813,548; July 7.
Door, Railway stock car side. G. G. Gilpin. 1,832,014; Nov. 17.
Door, Range. A. Stockstrom. Des. 85,128; Sept. 15.
Door, Range. A. Stockstrom. Des. 85,130–1; Sept. 15.
Door, Refrigerator car. E. A. Sweeley and N. T. Anderson. 1,832,592; Nov. 17.
Door register. H. H. Helland. 1,804,871; May 12.
Door, Rendering tank. E. W. McCullough. 1,813,671; July 7.
Door retainer. J. W. Droz, jr. 1,808,641; June 2.

Door retaining device. E. P. Jacobs. 1,824,209; Sept. 22.
Door, Revolving. J. W. Ekre and S. E. Dime. 1,837,258; Dec. 22.
Door, Safety. A. A. Thomas. 1,829,312; Oct. 27.
Door seal. S. R. Ramsay. 1,797,839; Mar. 24.
Door, Section. G. King and F. A. Howard. 1,824,277; Sept. 22.
Door, Sectional boiler. W. A. Jones. 1,819,467; Aug. 18.
Door securing device. E. Ellingson. Re18,051; Apr. 21.
Door securing device. J. W. Gearhart. 1,833,710; Nov. 24.
Door-securing means, Hopper-car-. W. E. Wine. 1,790,295; Jan. 27.
Door securing mechanism. T. H. Symington. 1,835,100; Dec. 8.
Door securing mechanism, Hopper car. J. J. Tatum. 1,838,593; Dec. 29.
Door, Self-breaking canopy-type. R. S. Peelle. 1,787,594; Jan. 6.
Door, Self-closing double-acting. W. Waldrone. 1,800,165; Apr. 7.
Door silencer. I. A. Baum. 1,813,224; July 7.
Door silencer. O. F. Nelson. 1,828,431; Oct. 20.
Door silencer device. V. Petersen. 1,816,024; July 28.
Door, Sliding. J. H. Fraser. 1,833,283; Nov. 24.
Door, Sliding. W. H. Kendall. 1,827,433; Oct. 13.
Door, Sound blast chamber. F. J. Hull. 1,822,404; Sept. 8.
Door spring. H. L. Schwartz, C. A. Quast, and L. Spitz. 1,811,653; June 23.
Doorstop. F. T. Richards. 1,810,186; June 16.
Doorstop. C. Tuteur. Des. 83,223; Feb. 3.
Doorstop. A. J. Wecker. 1,808,393; June 2.
Doorstop or article of similar nature. W. Lauterbach. Des. 83,051; Jan. 13.
Door stop strap. M. H. Toncray. 1,819,212; Aug. 18.
Door, Storm. A. H. Mills. 1,788,928; Jan. 13.
Door, Stove. C. L. Hardwick. 1,824,345; Sept. 22.
Door, Stove. A. G. Sherman. 1,829,948; Nov. 3.
Door, Stove. S. A. Wilde. 1,799,610; Apr. 7.
Door structure. C. F. Draper. 1,802,049; Apr. 21.
Door structure. C. H. Hoffstetter. 1,804,984; May 12.
Door structure, Car. E. J. Febr and K. J. Tobin. 1,807,311; May 26.
Door structure, Double. J. Knaggs. 1,817,921; Aug. 11.
Door structure, Louver-. E. J. Zahner. 1,795,631; Mar. 10.
Door structure, Overhead. H. C. Blodgett. 1,826,647; Oct. 6.
Door template. L. Lundquist. 1,792,822; Feb. 10.
Door track and reversing switch, Combination. P. R. Forman. 1,792,420; Feb. 10.
Door track, Car-. K. J. Tobin and C. E. Eklind. 1,798,180; Mar. 31.
Door, Treadle-controlled. P. R. Forman. 1,799,966; Apr. 7.
Door tripping device for cars. W. F. Dietrichson. 1,803,384; May 5.
Door, Vault. J. P. Paca. 1,828,436; Oct. 20.
Door, Vehicle. G. Cavicchioli and E. Ceschi. 1,813,145; July 7.
Door, Ventilated. E. D. Drummond. 1,821,744; Sept. 1.
Door, Ventilator. M. F. Fitzpatrick and J. T. Valentin. 1,798,663; Mar. 31.
Door, Vertically-folding. W. Alderson. 1,788,651; Jan. 13.
Door, Warehouse. R. S. Peelle. 1,792,119; Feb. 10.
Door, Weatherproof sidewalk. N. Michelman. 1,837,916; Dec. 22.
Doors, Aligning attachment for. J. Pripusich. 1,830,716; Nov. 3.
Doors and car gates, Operating mechanism for elevator-shaft. F. A. Boedtcher. 1,790,496; Jan. 27.
Doors and locks, Actuating mechanism for cell. H. S. Hart and L. J. White. 1,836,661; Dec. 15.
Doors and locks, Indicating mechanism for cell. D. F. Youngblood. 1,802,301; Apr. 21.
Doors and the like, Mechanism for reversing motive devices for operating. R. D. Conklin. 1,828,860; Oct. 27.
Doors, Apparatus for operating. W. J. Phelps. 1,830,241; Nov. 3.
Doors, Attachment for. H. Hansen. 1,807,841; June 2. June 16.
Doors, Bottom guide for sliding barn. O. Linstadt. 1,802,519; Apr. 28.
Doors, Construction and assembly of sheet metal. G. Trautvetter. 1,812,024; June 30.
Doors, Control mechanism for automatically operated. J. Huston. 1,801,863; Apr. 21.
Doors, Counterbalance for. F. H. McCormick. 1,809,715; June 9.
Doors, Device for operating bulkhead. D. Wiese. 1,832,337; Nov. 17.
Doors, Elevating means for car. A. Wasberg and K. J. Tobin. 1,826,910; Oct. 13.
Doors, Locking means for sliding-. H. W. Shonnard. 1,789,989; Jan. 27.
Doors, Method and apparatus for clinching. C. L. Eksergian. 1,812,395; June 30.
Doors, Method of and apparatus for making automobile. O. J. Groehn. 1,804,607; May 12.
Doors of rail or road vehicles, System of and apparatus for operating and controlling the. H. R. Hockley. 1,805,983; May 19.
Doors, Operating means for elevator. H. W. Shonnard. 1,838,876; Dec. 29.
Doors, Operating means for sliding car. A. Campbell. 1,794,146; Feb. 24.
Doors, Rainproof saddle for weather-strip exterior. B. H. Glass. 1,795,853; Mar. 10.
Doors, Reenforcing means for metallic. H. G. Woehler. 1,792,883; Feb. 17.
Doors, Securing house-car corner. A. Wasberg and K. J. Tobin. 1,793,531; Feb. 24.
Doors, Set of range. A. H. Brodbeck. Des. 85,610; Nov. 24.
Doors, Set of range. A. Stockstrom. Des. 85,126–7; Sept. 15.
Doors, Supporting means for. J. E. Scott. 1,820,200; Aug. 25.
Doors, Weathering means for house car end. W. A. Beauchamp and K. J Tobin. 1,838,900; Dec. 29.
Doors while fitting locks, etc., Device for holding. W. F. Staggers. 1,833,005; Nov. 24.
Dosage of substances. M. A. Schneller. 1,829,947; Nov. 3.
Dose indicator and advertising device. H. H. Richardson. 1,796,398; Mar. 17.
Dosing device. A. T. Davenport. 1,825,339; Sept. 29.
Dot multiplex. J. N. Whitaker. 1,802,745; Apr. 28.
Double slip point. W. Germann. 1,791,867; Feb. 10.
Double slip point with tongues disposed outside the diamond. W. Germann. 1,804,095; May 5.
Douche, Anal. J. H. Kellogg. 1,787,481; Jan. 6.
Dough conditioning machine. R. E. Hamilton. 1,833,992; Dec. 1.
Dough cooking machine. J. Kruttschnitt. 1,806,878; May 26.
Dough cutter. R. E. and N. V. Olson. 1,800,315; Apr. 14.
Dough cutting device. L. B. Willoughby. 1,834,012; Dec. 1.
Dough cutting machine. I. Nuñez. 1,822,309; Sept. 8.
Dough divider. F. Streich. 1,826,031; Oct. 6.
Dough divider. C. O. Wescott and H. C. Rhodes. 1,793,981; Feb. 24.
Dough divider and rounder. F. H. Van Houten. 1,800,418; Apr. 14.
Dough divider, Automatic. F. H. Van Houten. 1,816,753; July 28.
Dough dividing and extruding machine. B. M. Ross. 1,788,330; Jan. 6.
Dough dividing and molding machine. K. H. Hoffmann. 1,796,102; Mar. 10.
Dough dividing and working machine. G. Rausch. 1,805,705; May 19.
Dough during proving, Apparatus for mechanically handling. J. E. Wilson, S. McConnell, and C. Brown. 1,826,537; Oct. 6.
Dough former. P. J. Toews. 1,829,120; Oct. 27.
Dough forming apparatus. N. Proos. 1,808,788; June 9.
Dough-forming machine. D. C. McCarthy. 1,790,589; Jan. 27.
Dough-forming means and method of forming dough. G. W. Dell. 1,787,778; Jan. 6.
Dough handling apparatus. F. H. Van Houten. 1,808,696; June 2.
Dough kneading machine. G. Crespi. 1,838,533; Dec. 29.
Dough, Method and apparatus for mixing. W. J. Hawkins. 1,790,347; Jan. 27.
Dough mixer. W. F. Dehuff. 1,826,242; Oct. 6.
Dough mixer. F. X. Lauterbur and E. J. Lauterbur. 1,811,472; June 23.
Dough mixing and measuring machine. J. Schmidt. 1,838,576; Dec. 29.
Dough-mixing machinery. F. X. and E. J. Lauterbur. 1,799,520; Apr. 7.
Dough molder. W. H. Eseman. 1,796,922; Mar. 17.
Dough molder. W. G. Kirchhoff. 1,810,139; June 16.
Dough-molding apparatus. F. H. Van Houten. 1,800,417; Apr. 14.
Dough molding machine. G. W. Dell. 1,818,945; Aug. 11.
Dough molding machine. L. S. Harber. 1,816,844; Aug. 4.
Dough molding machine. O. Neubert, jr. 1,811,208; June 23.
Dough molding machine, Adjustable curler apron for. O. Sisson. 1,827,958; Oct. 20.
Dough or the like plastic substances, Method and apparatus for working, molding, or shaping. J. P. Peters. 1,792,443; Feb. 10.
Dough, Packeting. L. B. Willoughby. 1,811,772; June 23.
Dough, Process and apparatus for the shaping of lumps of. F. Winkler. 1,804,296; May 5.
Doughproofer. H. Devlin. 1,832,895; Nov. 24.
Dough-proofing apparatus. S. Debus. 1,807,688; June 2.
Dough raiser. M. L. Kuntz. 1,816,908; Aug. 4.
Dough raising chamber. L. S. Bressler. 1,831,478; Nov. 10.
Dough shaping implement. A. Ringl. 1,834,474; Dec. 1.
Dough sheeting and cutting machine. E. M. Crosland. 1,830,426; Nov. 3.
Doughnut machine. W. Belshaw. 1,806,326; May 19.
Doughnut machine. F. M. Roehl and P. J. Toews. 1,823,409; Sept. 15.
Doughnut machine, Adjustable. F. L. Schoel. 1,811,564; June 23.
Doughnut machine and the like. C. E. Carpenter. 1,833,933; Dec. 1.
Doughnut machines, Turnover mechanism for. F. M. Roehl. 1,834,182; Dec. 1.

Dowel. F. T. Bowler. 1,810,749; June 16.
Dowel bar support. W. E. White. 1,807,364; May 26.
Dowell-cutting machine. M. Brochu. 1,792,571; Feb. 17.
Dowel driving machine. A. C. Hauck. 1,837,547; Dec. 22.
Dowel driving machine. W. J. Young. 1,819,584; Aug. 18.
Dowel for wooden beams, Metal. P. J. De Gruyter. 1,806,522; May 19.
Dowel pin. P. W. Hoshor. 1,832,706; Nov. 17.
Draft appliance. A. F. Mohr. 1,832,042; Nov. 17.
Draft appliance and the like. C. E. Carpenter. 1,826,989; Oct. 13.
Draft appliance for furnaces, Automatic. E. J. Hasenauer. 1,833,049; Nov. 24.
Draft attachment for agricultural implements. W. L. Paul. 1,823,508; Sept. 15.
Draft bar. O. Bergemann. 1,828,385; Oct. 20.
Draft connection. J. A. E. Madore. 1,821,762; Sept. 1.
Draft control. I. E. Steele. 1,822,321; Sept. 8.
Draft controller. L. M. Persons. 1,807,226; May 26.
Draft controller. R. M. Schultz. 1,816,027; July 28.
Draft device. M. H. Martin. 1,803,911; May 5.
Draft equalizer. G. Karmann. 1,830,111; Nov. 3.
Draft equalizer. J. E. McCusker. 1,813,752; July 7.
Draft equalizer. L. E. Varing. 1,801,126; Apr. 14.
Draft normalizer. L. E. Hinton. 1,793,802; Feb. 24.
Draft-printing apparatus. G. dé Giorgio. 1,833,391; Nov. 24.
Draft-regulating apparatus. I. T. Martin. 1,798,122; Mar. 24.
Draft regulating means. O. Starke. 1,832,748; Nov. 17.
Draft regulating system. W. B. Sturgis. 1,809,575; June 9.
Draft regulator. M. F. Hutchison. 1,789,654; Jan. 20.
Draft regulator. W. F. Mortimer. 1,830,036; Nov. 3.
Draft regulator. S. B. Spatz. 1,802,160; Apr. 21.
Draft regulator. C. O. Staley. 1,805,423; May 12.
Draft regulator, Automatic. R. A. Walker. 1,809,005; June 9.
Draft rigging. D. S. Barrows. 1,799,078; Mar. 31.
Draft rigging. G. F. Couch. 1,799,090; Mar. 31.
Draft rigging. B. W. Kadel, and P. R. Drenning. 1,825,696; Oct. 6.
Draft rigging, Railway. H. J. Lounsbury. 1,800,549; Apr. 14.
Draft rigging, Railway. H. J. Lounsbury. 1,812,101; June 30.
Draft rigging, Railway. J. F. O'Connor. 1,813,707; July 7.
Draft rigging, Railway. J. F. O'Connor. 1,829,152; Oct. 27.
Draft stop for vestibule and other doors. R. J. Gaskin and W. E. Maybee. 1,837,959; Dec. 22.
Drafting appliance. T. A. De Postels. 1,807,237; May 26.
Drafting attachment. E. E. Shattow. 1,794,648; Mar. 3.
Drafting case and board. A. G. Clark. 1,799,973; Apr. 7.
Drafting instrument. W. W. Ford. 1,814,441; July 14.
Drafting machine. F. J. Peters. 1,805,740; May 19.
Drafting table. E. A. May. 1,829,288; Oct. 27.
Drag. N. E. Jersey. 1,799,424; Apr. 7.
Drag arrangement for the bobbins of spinning, doubling, and like machines. H. Schneider. 1,798,904; Mar. 31.
Drag conveyer. F. E. d'Humy. B. Beardsley, and A. Plausics. 1,793,953; Feb. 24.
Drag for automobiles, Nonskid. L. C. Jones. 1,830,661; Nov. 3.
Drag link. F. W. Sampson. 1,820,633; Aug. 25.
Drain. J. Hirshstein. 1,809,413; June 9.
Drain, Adjustable floor. D. S. Williams. 1,792,345; Feb. 10.
Drain board for wringers. O. Banker. 1,809,885; June 16.
Drain cleaner. M. Hribar. 1,804,874; May 12.
Drain connection. E. F. Niedecken and W. I. Jones. 1,836,491; Dec. 15.
Drain device. T. G. Ladshaw. 1,811,202; June 23.
Drain device. J. Rockmore. 1,810,855; June 16.
Drain fitting. R. C. Shand. 1,802,481; Apr. 28.
Drain fitting, House. S. Cavalieri. 1,812,583; June 30.
Drain fixture, Floor. W. S. Fleming. 1,805,816; May 19.
Drain, Floor. E. W. N. Boosey. 1,837,945; Dec. 22.
Drain, Floor. R. T. Frye. 1,828,601; Oct. 20.
Drain, Floor. F. W. Carlson. 1,811,611; June 23.
Drain, Floor. W. J. Luff. 1,830,065; Nov. 3.
Drain, Roof. J. C. Cromwell. 1,838,092; Dec. 29.
Drain, Lavatory. F. G. Brotz. 1,811,170; June 23.
Drain. Lavatory hand lift. F. G. Brotz. 1,811,827; June 23.
Drain, Oil valve. J. H. Thibeault. 1,804,960; May 12.
Drain pan. S. G. Hoyt. 1,802,426; Apr. 28.
Drain pipe device. H. J. Engbrecht. 1,818,124; Aug. 11.
Drain, Shampoo. L. V. Cannady. 1,791,348; Feb. 3.
Drain, Surface. M. A. Sisk. 1,790,603; Jan. 27.
Drain trap, Floor. S. G. Brown. 1,820,596; Aug. 25.
Drain, Tubing. E. A. Phillips. 1,810,436; June 16.
Drainage control system. J. M. Barrett. 1,827,453; Oct. 13.
Drainage device for roof gutters and the like. R. McKee. 1,811,728; June 23.
Drainage system. S. A. Hartmann. 1,811,009; June 23.
Drainer and siruper, Combined. W. de Back. 1,811,908; June 30.
Drainer, Dish. B. Feingold. 1,822,087; Sept. 8.
Drainer, Dish. M. Hertz. 1,789,232; Jan. 13.
Drainer, Dish. T. G. Lord. 1,835,232; Dec. 8.
Drainer, Lard can. H. Wise. 1,831,832; Nov. 17.
Draining apparatus. H. E. Gosch. 1,800,523; Apr. 14.
Draining rack, Can-. C. J. Wiebusch. 1,788,262; Jan. 6.
Drapery fixture. C. W. Kirsch. 1,831,123; Nov. 10.
Drapery fixture. J. M. Wintrob. 1,824,385; Sept. 22.
Drapery hanger. R. B. Dwyer. 1,811,619; June 23.
Drapery holdback. F. T. Evans. 1,810,073; June 16.
Drapery hook. R. L. Delbner and A. Smith. 1,802,803; Apr. 28.
Drapery hook. B. B. Fick. 1,827,644; Oct. 13.
Drapery pin. L. A. Wragg. 1,828,012; Oct. 20.
Drapery pleating and supporting means. D. Harrison. 1,819,240; Aug. 18.
Drapery rod. W. E. Smith. Des. 84,207; May 19.
Drapery rod. W. E. Smith. Des. 84,209; May 19.
Drapery support for circle head windows, Swinging. J. Witteman. 1,813,265; July 7.
Drapery supporting device. D. M. Sarkisian. 1,812,903; July 7.
Drapery with detachable suspension devices. C. W. Kirsch. 1,832,031; Nov. 17.
Drawbar. D. F. Ainslie. 1,812,733; June 30.
Drawbar attachment. G. L. Willits. 1,806,728; May 26.
Drawbar construction. R. H. Imhofe and A. L. Humphrey. 1,802,257; Apr. 21.
Drawbar for tractors. R. O. Hendrickson. 1,830,874; Nov. 3.
Drawbar means. A. P. Armington. 1,821,869; Sept. 1.
Drawbench mechanism. N. H. Cox. 1,802,908; Apr. 28.
Draw gear for railway vehicles, Central buffing and. R. T. Glascodine. 1,809,198; June 9.
Drawplate available to the manufacture of artificial silk, Multiple. H. Colomb. 1,788,660; Jan. 13.
Draw-works brake. L. G. Gates. 1,802,810; Apr. 28.
Draw works, Gear-reduction. W. D. Davidson. 1,800,513; Apr. 14.
Draw works having dual rotary machine drive, Rotary. A. E. Martois. 1,810,975; June 23.
Drawer and supporting means. L. H. Morin. 1,806,174; May 19.
Drawer, Burner box. P. I. Hollman and H. E. Thelen. 1,837,820; Dec. 22.
Nov. 10.
Drawer construction. J. Petritsch. 1,823,285; Sept. 15.
Drawer for printing devices. E. A. Oyen. 1,808,475; June 2.
Drawer mechanism, Cash. J. R. Showers. 1,820,400; Aug. 25.
Drawer pull. E. P. Hamilton. 1,822,213; Sept. 8.
Drawer pull. R. H. Martin. 1,819,611; Aug. 18.
Drawer pull and label holder. G. H. Dawson. 1,838,369; Dec. 29,
Drawer support and guide. J. Walter. 1,820,548; Aug. 25.
Drawing apparatus. R. E. Woods. 1,821,252; Sept. 1.
Drawing board, Adjustable. C. C. Wagner. 1,836,053; Dec. 15.
Drawing board attachment. R. S. Glenn. 1,812,744; June 30.
Drawing board attachment. C. A. Green. 1,812,477; June 30.
Drawing board, Panoramic. W. J. Helmer. 1,812,264; June 30.
Drawing instrument, Curve-. C. F. Weidman. 1,789,795; Jan. 20.
Drawing mechanism for spinning and like frames. H. Stroink. 1,834,878; Dec. 1.
Drawing table, Collapsible. K. Quiring. 1,810,575; June 16.
Drawworks, Rotary. D. S. Faulkner and E. Timbs. 1,836,067; Dec. 15.
Dredge. A. B. Bowers. 1,792,065; Feb. 10.
Dredge, Oyster. B. and C. Fagan. 1,795,768; Mar. 10.
Dredge, Oyster. H. L. Lewis. 1,792,592; Feb. 17.
Dress. R. Boetzel. Des. 85,902; Dec. 29.
Dress. M. Greenberg. Des. 85,866; Dec. 29.
Dress. J. Griffith. Des. 85,867–8; Dec. 29.
Dress. E. M. Haupter. Des. 85,870; Dec. 29.
Dress. C. T. Hicks. Des. 85,873; Dec. 29.
Dress. F. A. Jacobs. Des. 84,348; June 9.
Dress. F. A. Jacobs. Des. 85,046; Sept. 8.
Dress. E. Kahn. Des. 85,876; Dec. 29.
Dress. D. Long. Des. 83,000; Jan. 6.
Dress. D. Long. Des. 83,555; Mar. 3.
Dress. D. Long. Des. 84,148–9; May 12.
Dress. D. Long. Des. 84,197; May 19.
Dress. D. Long. Des. 84,293–4; June 2.
Dress. D. Long. Des. 84,356; June 9.
Dress. D. Long. Des. 84,643; July 14.
Dress. D. Long. Des. 85,216; Nov. 24.
Dress. D. Long. Des. 85,339; Oct. 13.
Dress. D. Long. Des. 85,658; Dec. 1.
Dress. Y. G. Stern. Des. 85,673; Dec. 1.
Dress. Y. G. Stern. Des. 85,778–82; Dec. 15.
Dress. Y. G. Stern. Des. 85,784–5; Dec. 15.
Dress. Y. G. Stern. Des. 85,787–8; Dec. 15.
Dress, Child's play. M. E. Burgdorfer. 1,797,604; Mar. 24.
Dress, Ensemble. M. I. Guzak. Des. 85,869; Dec. 29.
Dress, Ensemble. D. Long. Des. 83,870; Apr. 7.
Dress, Ensemble. D. Long. Des. 85,661; Dec. 1.
Dress hanger. L. Kanowitz. 1,793,322; Feb. 17.
Dress, Knitted ensemble. M. Gross. Des. 84,078; May 5.
Dress, Studio. M. E. Van Epps. 1,829,170–1; Oct. 27.
Dress suspending and carrying device. A. W. Winship. 1,807,267; May 26.

Dresser and manicure table, Combination. H. Ruebsahm. 1,813,321; July 7.
Dresser, Vanity. W. K. Porter and H. D. Burton. 1,790,836; Feb. 3.
Dressing and grinding wheel, Combination. R. P. Place. 1,829,057; Oct. 27.
Dressing for seed grain. A. Schmidt. 1,831,721; Nov. 10.
Dressing medium for textile matter and manufacturing the same. I. Budowski. 1,809,470; June 9.
Dressing mixer, Oil salad. F. Pickard. 1,827,608; Oct. 13.
Dressing or tanning materials, Production of synthetic. A. M. Nastukoff. 1,806,910; May 26.
Dressing stand, Child's. H. D. Nusbaum. Des. 84,535; June 30.
Dressing table, Infant's. R. W. Marquardt. 1,835,661; Dec. 8.
Drier: *See*—

Centrifugal drier.	Hair drier.
Clothes drier.	Hosiery drier.
Conveyer drier.	Laundry drier.
Electric drier.	Natural air drier
Feather drier.	Plate drier.
Fiber drier.	Rotary drier.
Fisherman's line drier.	Steam drier.
Gas drier.	

Drier. S. F. Benson and W. I. Peterson. 1,803,421; May 5.
Drier. J. B. and J. J. Berrigan. 1,792,064; Feb. 10.
Drier. W. C. Carpenter. 1,823,189; Sept. 15.
Drier. R. P. De Vries. 1,829,741; Nov. 3.
Drier. W. A. Harty and F. W. Moore. 1,824,717; Sept. 22.
Drier. C. C. Heritage. 1,822,486; Sept. 8.
Drier. J. Judelson. 1,821,097; Sept. 1.
Drier. J. and A. H. Judelson. 1,830,323; Nov. 3.
Drier. A. S. Mackenzie. 1,813,750; July 7.
Drier. R. C. Moore. 1,834,962; Dec. 8.
Drier. W. S. Pfeiffer. 1,816,055; July 28.
Drier. F. D. Robbins. 1,813,680; July 7.
Drier. L. G. Rowand and J. S. Pellett. 1,835,530; Dec. 8.
Drier and grader, Grain. J. H. Peterson. 1,802,476; Apr. 28.
Drier and screen device, Sand. T. Steele. 1,796,911; Mar. 17.
Drier bracket. L. Judelson. 1,833,022; Nov. 24.
Drier control. C. D. De Mers. 1,815,648; July 21.
Drier control, Automatic. G. B. Bailey. 1,795,418; Mar. 10.
Drier for washing machines, Centrifugal clothes. M. S. Ogonowski. 1,826,816; Oct. 13.
Drier roll polishing device. C. W. Post and E. L. Mount. 1,829,154; Oct. 27.
Drier tank. C. P. Folsom. 1,821,907; Sept. 1.
Driers, Hood deflector for hair. F. A. Rose. 1,835,337; Dec. 8.
Drill: *See*—

Auger drill.	Percussion drill.
Boring drill.	Radial drill.
Brace drill.	Rock drill.
Core drill.	Rotary drill.
Disk drill.	Seed drill.
Earth boring drill.	Upright drill.
Grain drill.	Vertical drill.
Hydraulic drill.	Way drill.
Multiple drill.	Well drill.

Drill attachment. A. Levedahl. 1,831,813; Nov. 17.
Drill bit. C. H. M. Bull. 1,802,872; Apr. 28.
Drill bit. A. E. Carlson. 1,816,568; July 28.
Drill bit. A. E. McLean. 1,797,690; Mar. 24.
Drill bit. J. C. Stokes. 1,819,850; Aug. 18.
Drill bit. W. Wright. 1,807,646; June 2.
Drill bit, Deep well. C. E. Reed. 1,835,522; Dec. 8.
Drill bit, Expansion. A. C. Arthur and O. P. Lampson. 1,835,108; Dec. 8.
Drill bit, Rotary. L. C. Black. 1,791,186; Feb. 3.
Drill bits, Making. F. J. Spang. 1,798,229; Mar. 31.
Drill centering and guiding device, Rotary well. W. K. Criley. 1,824,466; Sept. 22.
Drill chuck. H. Lindblad. 1,804,506; May 12.
Drill chuck. F. W. Spencer. 1,812,221; June 30.
Drill column. L. C. Bayles. 1,820,727; Aug. 25.
Drill control system. J. E. Brantly. 1,831,437; Nov. 10.
Drill cutter retaining means. F. L. Scott. 1,803,679;
Drill derricks, Adjustable fourble board and spring-tension finger for. I. F. Bailey. 1,797,492; Mar. 24.
Drill-feeding device. W. Prellwitz and R. H. Wilhelm. 1,791,974; Feb. 10.
Drill feeding device, Rock. E. G. Gartin. 1,805,518; May 19.
Drill for oil and gas wells. G. W. Schrock. 1,830,625; Nov. 3.
Drill for wells. W. C. Starkey. 1,816,549; July 28.
Drill head. J. T. Wright. 1,835,551; Dec. 8.
Drill head safety mechanism. W. C. De Roo. 1,824,984; Sept. 29.
Drill holes in the earth, Determining the straightness of. E. E. Rosaire. 1,811,648; June 23.
Drill machine. C. A., G. J., and R. M. Willis. 1,816,708; July 28.
Drill mountings, Locating device for. C. C. Hansen. 1,796,784; Mar. 17.
Drill pipe slip. E. McLagan. 1,834,316; Dec. 1.
Drill pipe, Weight relief and fluid control on. J. A. Zublin. 1,801,788; Apr. 21.
Drill pipes, Control mechanism for rotary. G. A. Montgomery. 1,794,196; Feb. 24.
Drill point and making the same. F. S. Mulock. 1,826,085; Oct. 6.
Drill press feed. W. W. Edwards. 1,827,937; Oct. 20.
Drill, reamer, and tap, Combined. F. H. Mueller. 1,826,323; Oct. 6.
Drill spindle. C. F. Schenck. 1,830,679; Nov. 3.
Drill, Steel retainer. W. Prellwitz. 1,802,983; Apr. 28.
Drill steels, Apparatus for opening the bores of. G. C. Pearson. 1,797,018; Mar. 17.
Drill steels, Centralizer for. L. C. Bayles. 1,789,859; Jan. 20.
Drill stem. E. V. Crowell. 1,817,067; Aug. 4.
Drill stem. P. Dobrinski. 1,816,767; July 28.
Drill stem. B. H. Scott. 1,818,508; Aug. 11.
Drill stem guide. G. A. Montgomery. 1,801,968; Apr. 21.
Drill stems, Driving means for flush-joint. W. S. Gattrell. 1,787,476; Jan. 6.
Drill structure, Duplex grain. C. W. Robinson. 1,815,330; July 21.
Drill support. J. P. Maslewski. 1,808,051; June 2.
Drill tablet, Lesson. C. Weishaar. 1,830,150; Nov. 3.
Drill transport and connecting trolley, Combined. C. H. H. Lund. 1,794,083; Feb. 24.
Drill unit with common feed. C. H. Muhl. 1,825,971; Oct. 6.
Drilling apparatus. E. G. Gartin. 1,824,479–80; Sept. 22.
Drilling apparatus. C. C. Hansen. 1,816,481; July 28.
Drilling apparatus. H. C. Johansen. 1,794,114; Feb. 24.
Drilling apparatus. H. C. Johansen. 1,806,759; May 26.
Drilling apparatus. H. C. Johansen. 1,810,106; June 16.
Drilling apparatus. H. C. Johansen. 1,811,939; June 30.
Drilling apparatus. H. C. Johansen. 1,834,597; Dec. 1.
Drilling apparatus. F. A. Schroeder. 1,829,304; Oct. 27.
Drilling apparatus, Earth. E. Smith. 1,805,727; May 19.
Drilling apparatus, Rotary. E. E. Greve. 1,809,444; June 9.
Drilling apparatus and the like. L. H. Thullen. 1,836,998; Dec. 15.
Drilling apparatus, Well. W. Sheldon. 1,832,841; Nov. 17.
Drilling bit. J. H. Bishop. 1,788,377; Jan. 13.
Drilling bit. J. E. Brantly. 1,831,841; Nov. 17.
Drilling bit. G. B. Louderback. 1,812,210; June 30.
Drilling bit. G. C. Oliver. 1,809,351; June 9.
Drilling bit, Expansion. E. S. Hartson. 1,824,268; Sept. 22.
Drilling clamp, Wire line. G. F. Bell. 1,835,455; Dec. 8.
Drilling control, Mechanical rotary. P. Jones and P. W. Prutzman. 1,804,779; May 12.
Drilling control, Steam actuated rotary. P. Jones. 1,810,246; June 16.
Drilling device. A. M. Gildersleeve and C. L. Dean. 1,790,613; Jan. 27.
Drilling device. A. M. Gildersleeve and C. L. Dean. 1,812,475; June 30.
Drilling equipment, Well-. W. S. Gattrell. 1,787,475; Jan. 6.
Drilling head. W. T. Dunn, and J. E. Shows. 1,826,059; Oct. 6.
Drilling jar, Rotary. C. H. Hardies, W. Jones, and A. C. Tunison. 1,835,392; Dec. 8.
Drilling machine. E. G. Bondy. 1,790,896; Feb. 3.
Drilling machine. G. H. Gilman. 1,806,873–4; May 26.
Drilling machine. B. Z. Good. 1,805,139; May 12.
Drilling machine. L. C. Hardsocg. 1,833,834; Nov. 24.
Drilling machine. F. W. Hild and G. T. Pollard. 1,808,221; June 2.
Drilling machine. J. Horste. 1,838,625; Dec. 29.
Drilling machine. C. Scholl. 1,831,547; Nov. 10.
Drilling machine. W. Schubbe. 1,801,881; Apr. 21.
Drilling machine. G. J. Thomas. 1,835,539; Dec. 8.
Drilling machine. G. Tomeshko. 1,819,211; Aug. 18.
Drilling machine. C. A., G. J., and R. M. Willis. 1,822,834; Sept. 8.
Drilling machine and machine for other purposes. R. M. Lovejoy. 1,799,594–5; Apr. 7.
Drilling machine, Brake-band-. R. E. Manley. 1,791,072; Feb. 3.
Drilling machine, Horizontal. J. O. Tilly. 1,835,191; Dec. 8.
Drilling machine, Rock. L. Bunn. 1,937,947; Dec. 22.
Drilling machines and the like, Feed mechanism for. W. P. Hunt. 1,812,533; June 30.
Drilling machines or drills, Attachment for. C. Weber. 1,813,785; July 7.
Drilling mechanism. E. G. Gartin. 1,803,242; Apr. 28.
Drilling mechanism. E. G. Gartin. 1,824,478; Sept. 22.
Drilling mechanism. I. B. Humphreys. 1,828,605; Oct. 20.
Drilling mechanism. T. R. E. Rundqvist. 1,797,445; Mar. 24.
Drilling mechanism. T. R. E Rundqvist. 1,806,765; May 26.
Drilling mechanism. R. E. Schroder. 1,812,719; June 30.
Drilling mechanism, Rock-. T. R. E. Rundqvist. 1,796,667; Mar. 17.
Drilling organization, Side wall. E. A. Spencer, jr., and F. Oliver. 1,804,819; May 12.
Drilling rig, Automatic. C. T. Maxwell. 1,789,241; Jan. 13.

Drilling-rig structure, Metal. R. R. Bloss. 1,800,882; Apr. 14.
Drilling rigs, Mechanism for use in combination. L. H. Bache. Re17,981; Feb. 24.
Drills, Attachment for electric. E. Hulack and J. W. Nissrod. 1,808,228; June 2.
Drills, Attachment for portable. B. E., N., and C. M. Park. 1,797,361; Mar. 24.
Drills, Blowing device for rock. W. A. Smith, jr. 1,829,245; Oct. 27.
Drills, Controlling means for. A. H. Katterjohn. 1,796,995; Mar. 17.
Drills, Device for sharpening rock. B. S. Vetter. 1,828,580; Oct. 20.
Drills, Distributing device for fertilizer, grain, and seed. R. Bergerioux. 1,824,532; Sept. 22.
Drills, Feeding device for rock. C. C. Hansen. 1,805,521; May 19.
Drills, Feeding device for rock. C. C. Hansen. 1,818,393; Aug. 11.
Drills, Feeding device for rock. C. C. Hansen. 1,831,446; Nov. 10.
Drills, Forming star. M. Kappel. 1,788,463; Jan. 13.
Drills, Front head for rock. C. C. Hansen. 1,798,257; Mar. 31.
Drills, Relieving device for high speed. F. L. Cone. 1,809,402; June 9.
Drills, Slip rotation for rock. E. J. Downing. 1,821,794; Sept. 1.
Drills, Slip rotation for rock. G. C. Pearson. 1,834,727; Dec. 1.
Drills, Testing attachment for. T. J. White. 1,813,789; July 7.
Drills, Water head for rock. C. C. Hansen. 1,796,457; Mar. 17.
Drink cooler, Alternating refrigeration bottled. L. S. Pope. 1,827,856; Oct. 20.
Drink mixer. R. A. Beach. 1,836,523; Dec. 15.
Drink mixer. H. E. Carlson and C. S. Morse. 1,819,637; Aug. 18.
Drink mixer. W. C. Pritchard. 1,824,929; Sept. 29.
Drink-mixer standard. C. S. Morse. Des. 83,340; Feb. 17.
Drink mixing device. T. M. Costakos. 1,810,554; June 16.
Drinking apparatus for poultry. H. J. Divekey. 1,828,104; Oct. 20.
Drinking cup. P. A. Fischer, H. Schoen, and A. M. and J. M. Goldstein. 1,790,415; Jan. 27.
Drinking cup. W. A. Ringler. 1,816,547; July 28.
Drinking cup. J. C. Tyndall. 1,811,286; June 23.
Drinking cup, Conical. L. W. Luellen. 1,809,281; June 9.
Drinking fountain. T. S. Catlin. 1,788,449; Jan. 13.
Drinking fountain. I. F. Dains. 1,834,516; Dec. 1.
Drinking fountain. R. Leffel. 1,815,476; July 21.
Drinking fountain for poultry. H. W. Pledger. 1,821,478; Sept. 1.
Drinking fountain. W. E. Olson. 1,838,324; Dec. 29.
Drinking fountain, Portable. J. H. Nelson and S. Quisling. 1,814,953; July 14.
Drinking fountain, Poultry. B. J. Liechty. 1,816,684; July 28.
Drinking fountain, Poultry. A. A. Ward. 1,798,769; Mar. 31.
Drinking fountain, Poultry. S. Wysong. 1,811,375; June 23.
Drinking glass. C. Fletcher. Des. 85,091; Sept. 15.
Drinking glass. J. Kirkpatrick. Des. 85,246; Sept. 29.
Drinking stand, Poultry. H. E. Trites. 1,803,413; May 5.
Drip stopper. A. E. Davenport. 1,835,472; Dec. 8.
Drive. A. M. Rossman. 1,828,947; Oct. 27.
Drive adapted for traction purposes, Adjustable speed. A. M. Rossman. 1,828,948; Oct. 27.
Drive, Adjustable speed. A. M. Rossman. 1,828,943–4; Oct. 27.
Drive and control for printing presses. C. A. Rupp. 1,810,404; June 16.
Drive and draw works, Rotary. L. J. Black. 1,795,706; Mar. 10.
Drive and driven device for vehicles, etc. G. H. Fraser. 1,838,380; Dec. 29.
Drive and suspension therefor, Inclosed chain. G. Midboe. 1,830,400; Nov. 3.
Drive and tightening device, Belt. W. F. Stoody. 1,799,261; Apr. 7.
Drive apparatus, Multiple. A. E. Freeman and W. T. Livermore. 1,828,803; Oct. 27.
Drive assembly for kitchen appliances, Duplex motor. R. K. Gullberg. 1,812,651; June 30.
Drive, Automobile. T. L. Fawick. 1,792,485; Feb. 17.
Drive, Balanced belt. J. D. Riggs. 1,791,379; Feb. 3.
Drive, Belt. W. S. Bunker and G. L. Hanscom. 1,805,326; May 12.
Drive, Belt. C. O. Wood. 1,809,435; June 9.
Drive, Cable. A. Spillman. 1,822,632; Sept. 8.
Drive, Chain. F. L. Morse. 1,823,696; Sept. 15.
Drive, Chain feed. C. L. Mattison. 1,809,054; June 9.
Drive, Cigarette machine. J. A. Stein. 1,810,932; June 23.
Drive clamp. V. Monroe and R. L. Fletcher. 1,790,388; Jan. 27.
Drive connections, Tightener for flexible. F. M. Hawley. 1,806,901; May 26.
Drive control, Machine. F. Jungblut. 1,825,403; Sept. 29.
Drive device for washing machines, Power. R. J. Waterworth. 1,828,007; Oct. 20.
Drive, Enclosed chain. A. F. Masury. 1,796,382; Mar. 17.
Drive, Expansible V-pulley. F. O. L. Chorlton. 1,819,227; Aug. 18.
Drive extension for trucks. M. M. Hill. 1,822,623; Sept. 8.
Drive, Film. E. W. Kellogg. 1,827,588; Oct. 13.
Drive, Fluid-power rotary. W. M. Bucher. 1,797,567; Mar. 24.
Drive for antifriction roller bearing free wheels, Direct. W. C. Klein. 1,813,856; July 7.
Drive for automobiles, Front wheel. G. F. Nus. 1,812,801; June 30.
Drive for case-filling machines, Motor. C. H. Wild. 1,787,739; Jan. 6.
Drive for centrifugal casting machines, Magnetic. F. McS. Thomas. 1,805,961; May 19.
Drive for centrifugal extractors. P. E. Geldhof. 1,789,940; Jan. 20.
Drive for cigarette machines, Cigarette rod. W. B. Bronander. 1,824,391; Sept. 22.
Drive for engine starters. C. Ringwald. Re18,164; Aug. 25.
Drive for excavating machines, Selective. W. Harnischfeger. 1,826,466; Oct. 6.
Drive for internal combustion engines, Cam shaft. K. Haussmann. 1,809,481; June 9.
Drive for juvenile automobiles, Electric. V. G. Apple. 1,830,310; Nov. 3.
Drive for long conveyers, Segregated. W. R. Perry. 1,808,738; June 2.
Drive for motor boats, Outboard. A. G. Fitz Gerald and A. A. Anderson. 1,822,573; Sept. 8.
Drive for motor vehicles. A. F. Masury. Re18,206; Sept. 22.
Drive for motor vehicles. A. F. Masury. 1,791,138; Feb. 3.
Drive for motor vehicles. A. F. Masury and F. E. Queeney. 1,815,441; July 21.
Drive for motor vehicles. A. C. Wollensak. 1,812,819; June 30.
Drive for motor vehicles, Chain. L. C. Josephs, jr., and E. R. Gurney. 1,815,438; July 21.
Drive for motor vehicles, Front wheel. J. A. Whitcomb. 1,819,580; Aug. 18.
Drive for motor vehicles, Wheel. F. S. Hudson. 1,793,091; Feb. 17.
Drive for paper machines, Electrical sectional. M. T. Weston. 1,837,803; Dec. 22.
Drive for radial engines, Vehicle. A. F. Masury. 1,826,359; Oct. 6.
Drive for roller conveyer rolls, Individual motor. E. T. Mug. 1,825,119; Sept. 29.
Drive for rotary dumps. E. Ramsay. 1,787,762; Jan. 6.
Drive for screw machines and the like. J. R. Shea. 1,810,227; June 16.
Drive for slides, Power. B. W. Freeman. Re18,162; Aug. 25.
Drive for spindle feeds, Adjustable. A. L. De Leeuw. 1,822,692; Sept. 8.
Drive for spinning frames, General. H. A. Owen. 1,796,391; Mar. 17.
Drive for the stepped drums of calculating machines. A. Kottmann. 1,791,675; Feb. 10.
Drive, Front wheel. E. Kjerp. 1,802,562; Apr. 28.
Drive, Front wheel. H. B. Stuart. 1,812,569; June 30.
Drive, Intermittent. H. C. Ford. 1,811,624; June 23.
Drive, Intermittent. T. Metcalfe. 1,801,359; Apr. 21.
Drive jar for wells. A. C. Baimbridge. 1,831,942; Nov. 17.
Drive means for gas-electric locomotives. Air-compressor. C. H. Fike. 1,800,250; Apr. 14.
Drive mechanism. H. C. Hollinger. 1,792,165; Feb. 10.
Drive mechanism, Axle. A. Juneau. 1,824,670; Sept. 22.
Drive mechanism, Belt. G. R. Pennington. 1,807,133; May 26.
Drive mechanism, Cam shaft. A. Bachle. 1,832,958; Nov. 24.
Drive mechanism, Engine. R. Abell. 1,838,350; Dec. 29.
Drive mechanism for rotary drill pipe. E. V. Crowell. 1,798,523; Mar. 31.
Drive mechanism for skewed rollers. K. Feller. 1,833,965; Dec. 1.
Drive mechanism for slicing machines, Power. J. Folk. 1,824,950; Sept. 29.
Drive mechanism for talking motion picture machines, Silent. L. de Forest. 1,806,744; May 26.
Drive mechanism for vehicles, Front wheel. S. C. Halversen. 1,826,130; Oct. 6.
Drive mechanism, Selective wheel. H. H. Barber. 1,836,003; Dec. 15.
Drive mechanism, Speedometer. J. Berge. 1,812,510; June 30.
Drive motion, Irregular. P. A. Frazier. 1,810,702; June 16.
Drive, Motor boat. C. N. Colstad. 1,807,622; June 2.
Drive, Multiple hydraulic. J. P. Ferris. 1,831,238; Nov. 10.
Drive, Needle. R. Butterworth. 1,794,943; Mar. 3.
Drive, Oil-well-drilling. E. W. Goeser. 1,792,977; Feb. 17.
Drive, Phonograph. E. L. Connell. 1,794,881; Mar. 3.
Drive power unit, Front. L. C. Josephs, jr. 1,815,437; July 21.

Drive, Quartz tuning fork. R. H. Ranger. 1,807,010; May 26.
Drive, Reversing. W. C. Starkey and D. T. Brownlee. 1,819,306; Aug. 18.
Drive ring. H. W. Pleister and J. Karitzky. 1,804,807; May 12.
Drive ring. J. A. Rapelje. 1,818,099; Aug. 11.
Drive, Sewing machine. J. Holtzman. 1,808,776; June 9.
Drive, Silent chain. R. W. Dull and E. Geertz. 1,816,473; July 28.
Drive, Silent chain. H. E. Hayward. 1,812,095; June 30.
Drive, Speedometer. E. A. Gustafson. 1,806,541; May 19.
Drive, Spindle. M. P. Durand. 1,804,091; May 5.
Drive, Starter. W. L. McGrath. 1,808,115; June 2.
Drive structure, Front wheel. J. R. Sluder. 1,834,354; Dec. 1.
Drive, Supercharger. R. V. Hutchinson. 1,815,621; July 21.
Drive, Torsional pendulum. H. L. Sargent. 1,830,624; Nov. 3.
Drive, Tractor. H. S. Eberhard. 1,792,682; Feb. 17.
Drive, Tractor-belt. M. L. Bayard and M. Harvey; 1,800,979; Apr. 14.
Drive transmission for centrifugals. E. Roberts. 1,826,675; Oct. 6.
Drive, Two speed rotary. E. W. Goeser. 1,805,819; May 19.
Drive, Variable speed supercharger. E. A. Ryder. 1,817,650; Aug. 4.
Drive, Winder. L. E. Miller. 1,824,614; Sept. 22.
Driven plate. C. M. Ahlene and H. V. Reed. 1,830,746; Nov. 10.
Driver for reamers and the like. A. C. Hoeh. 1,804,505; May 12.
Driver for reamers and the like. A. C. Hoeh. 1,818,622; Aug. 11.
Driver for wheel lathes. E. Blau. 1,827,136; Oct. 13.
Driver, Pile. W. G. Mueller. 1,800,397; Apr. 14.
Driver, Pile. J. H. Thornley. 1,831,211; Nov. 10.
Driver, Spiral screw. G. O. Leopold. 1,821,841; Sept. 1.
Driving and rigidifying assembly for agitating, etc., machines. H. Robinson. 1,799,136; Mar. 31.
Driving and spring suspension of vehicles. F. S. Farnsworth. 1,809,196; June 9.
Driving and steering wheel, Individually sprung. A. F. Masury. 1,837,874; Dec. 22.
Driving and stopping mechanism. L. E. Topham. 1,791,176; Feb. 3.
Driving and torquing arrangements for road vehicles. A. I. Marcum. 1,816,981; Aug. 4.
Driving apparatus, Cycle. G. A. Roberds. 1,798,384; Mar. 31.
Driving apparatus, Subaqueous. G. F. Wilson. 1,794,429; Mar. 3.
Driving attachment for tractors. J. Horste. 1,797,957; Mar. 24.
Driving box and bearing therefor, Locomotive. W. E. Woodard. 1,819,836; Aug. 18.
Driving box, Locomotive. H. E. Muchnic. 1,831,877; Nov. 17.
Driving box lubricator. J. J. Hennessy. 1,818,327; Aug. 11.
Driving connection. I. P. Whitehouse. 1,793,888; Feb. 24.
Driving connection, Locomotive. L. G. Tandy. 1,804,038; May 5.
Driving connection, Locomotive. W. E. Woodard. 1,803,987; May 5.
Driving device chiefly intended for cinematographic apparatus, Friction. A. L. V. C. Debrie. 1,789,221; Jan. 13.
Driving device employing Maltese cross wheels. M. Chambon. 1,825,442; Sept. 29.
Driving device for inking rollers. H. A. W. Wood. 1,789,165; Jan. 13.
Driving device of flat-full fashioned machines, Lever shaft. P. Lieberknecht. 1,822,597; Sept. 8.
Driving device, Slip. J. W. McKean. 1,835,168; Dec. 8.
Driving means. J. C. Kelly. 1,794,225; Feb. 24.
Driving means. C. R. Raney and A. E. W. Johnson. 1,832,051; Nov. 17.
Driving means, Flexible. E. F. White. 1,795,692; Mar. 10.
Driving means, Flexible. E. F. White. 1,796,255; Mar. 10.
Driving means Fluid operated. L. W. Springsteen. 1,805,023; May 12.
Driving means for conveyer chains. J. S. Da Costa. 1,817,970; Aug. 11.
Driving means for guy anchors. T. B. Bash. 1,803,089; Apr. 28.
Driving means for washing machines. J. Mikulasek. 1,803,974; May 5.
Driving means to speedometers, Connection of. J. Zubaty. 1,823,867; Sept. 15.
Driving mechanism. W. R. Bassick. 1,802,454; Apr. 28.
Driving mechanism. N. C. Bement. 1,823,872; Sept. 22.
Driving mechanism. L. R. Buckendale. 1,788,978; Jan. 13.
Driving mechanism. A. L. Ellis. 1,812,587; June 30.
Driving mechanism. R. A. Walter. 1,804,577; May 12.
Driving mechanism. R. A. Walter. 1,820,852; Aug. 25.
Driving mechanism. J. L. Perkins and H. D. Croft. 1,837,791; Dec. 22.
Driving mechanism, Controller for. E. R. Holmes. 1,793,175; Feb. 17.
Driving mechanism, Cycle. G. A. Roberds. 1,798,383; Mar. 31.
Driving mechanism, Disconnectible. L. D. Nilson. 1,790,243; Jan. 27.
Driving mechanism, Electric. A. H. Neureuther. 1,811,278; June 23.
Driving mechanism, Electric. A. H. Neureuther. 1,823,556; Sept. 15.
Driving mechanism for automotive vehicles. O. R. Robinson. 1,828,073; Oct. 20.
Driving mechanism for bed and cylinder presses, Bed. H. E. Laubach. 1,811,139; June 23
Driving mechanism for calculating machines. G. C. Chase. 1,794,514; Mar. 3.
Driving mechanism for combined washers and driers. H. J. Criner. 1,815,190; July 21.
Driving mechanism for combined washers and wringers. O. E. Szekely. 1,809,149; June 9.
Driving mechanism for motor vehicles. O. E. H. Froelich. 1,824,014; Sept. 22.
Driving mechanism for motor vehicles. W. Staniewicz. 1,809,737; June 9.
Driving mechanism for oil-well pumps. E. C. Ekstromer. 1,799,458; Apr. 7.
Driving mechanism for paper making machines. C. W. Valentine and P. N. Ottersland. 1,803,045; Apr. 28.
Driving mechanism for power driven vehicles. O. Köhler. 1,838,557; Dec. 29.
Driving mechanism for reciprocating conveyers. R. A. Walter. 1,804,578; May 12.
Driving mechanism for recording apparatus. E. J. Albert. 1,829,466; Oct. 27.
Driving mechanism for rotary drilling machines. J. J. Crain. 1,788,015; Jan. 6.
Driving mechanism for rotating shafts at variable speeds. F. Broch. 1,809,469; June 9.
Driving mechanism for slicing machines. C. F. M. van Berkel. 1,791,768–9; Feb. 10.
Driving mechanism for slicing machines. J. van Hoorn. 1,791,770; Feb. 10.
Driving mechanism for washing machines. H. J. Criner. 1,829,555; Oct. 27.
Driving mechanism for washing machines. J. Nelson. 1,834,133; Dec. 1.
Driving mechanism for washing machines. F. B. Schuyler. Re18,010; Mar. 24.
Driving mechanism for washing machines and the like. H. F. Snyder. 1,803,981; May 5.
Driving mechanism, Hydraulic. G. W. Dooley. 1,803,933; May 5.
Driving mechanism in tachometers and the like, Clockwork. U. Kohler. 1,838,843; Dec. 29.
Driving mechanism, Separator. W. C. Starkley and D. T. Brownlee. 1,813,095; July 7.
Driving mechanism, Wabbler. W. Hulsebos. 1,799,167; Apr. 7.
Driving mechanisms for flyers. H. Schneider. 1,828,259; Oct. 20.
Driving motor, Loud-speaker-. C. W. Peterson. 1,797,965; Mar. 24.
Driving mount for gyratory centrifugals. E. Roberts. 1,823,863; Sept. 15.
Driving rod connection, Locomotive. W. G. Knight. 1,807,217; May 26.
Driving system, Synchronous. A. M. Curtis. 1,809,832; June 16.
Drop-dispersing agent. W. F. Roesch. 1,801,109; Apr. 14.
Drop pit. H. K. Christie. 1,802,592; Apr. 28.
Dropping board cleaner, Hen house. N. P. Nielsen. 1,806,816; May 26.
Dropping boards for use in poultry houses. O. A. Rainwater. 1,807,932; June 2.
Drum and conditioning same for use, Soaking. J. K. Hencken. 1,823,451; Sept. 15.
Drum, barrel, or container, Metal. J. J. Cain. 1,812,929; July 7.
Drum-coating machine. R. C. Heinzman. 1,787,524; Jan. 6.
Drum controller box. H. E. Campbell. 1,826,050; Oct. 6.
Drum, Expansion. R. R. Herrick. 1,828,368; Oct. 20.
Drum extension for hogsheads, Adjustable. J. H. Saunders and H. A. Williford. 1,822,612; Sept. 8.
Drum for manufacturing endless rubber articles. J. D. Berwick. 1,805,032; May 12.
Drum for motor pontoons, Buoyant. C. J. Du Mond. 1,819,409; Aug. 18.
Drum gripper. C. L. Hooper and R. F. Sutherland. 1,818,134; Aug. 11.
Drum, Metal. J. Knigge. 1,800,082; Apr. 7.
Drum pedal. C. H. Strupe. 1,804,128; May 5.
Drum, Practice. G. E. Stevens. 1,789,992; Jan. 27.
Drum screen, Rotary. A. M. Kivari. 1,828,469; Oct. 20.
Drum, Self cleaning mixing. J. Eggert. 1,812,823; June 30.
Drum snare. E. P. James. 1,816,328; July 28.
Drum, Snare. W. F. Ludwig. 1,832,227; Nov. 17.
Drum, Snare. C. H. Strupe. 1,828,083; Oct. 20.
Drum stand. B. E. Walberg. 1,837,637; Dec. 22.
Drum structure, Rotary. D. Cole. 1,832,361; Nov. 17.

Drum, Winding. H. L. Richardson. 1,822,422; Sept. 8.
Drums, Snare strainer for. G. H. Logan. 1,794,969; Mar. 3.
Dry air separator. H. H. McKenna. 1,837,915; Dec. 22.
Dry cell and lining therefor. G. W. Heise and E. A. Schumacher. 1,808,410; June 2.
Dry cell and making the same. G. W. Heise. 1,788,870; Jan. 13.
Dry cell battery. N. K. Chaney. 1,809,471; June 9.
Dry closet. C. B. Schumacher. 1,818,586; Aug. 11.
Dry pipe. C. H. Davy. 1,803,381; May 5.
Dry placer machine. C. E. Fisher. 1,795,017; Mar. 3.
Dry separator. M. J. Lide. 1,813,303; July 7.
Drying. G. W. O'Keeffe. 1,803,767; May 5.
Drying. G. C. Oxer. 1,834,497; Dec. 1.
Drying and finishing machine. E. B. Bates. 1,789,093; Jan. 13.
Drying and roasting furnace. G. E. Connolly. 1,823,787; Sept. 15.
Drying apparatus. H. Anhaltzer. 1,813,133; July 7.
Drying apparatus. S. Green. Re18,172; Sept. 1.
Drying apparatus. A. E. Jonsson. 1,811,355–6; June 23.
Drying apparatus. O. Pfeiffer. 1,790,764; Feb. 3.
Drying apparatus. T. C. Prouty. 1,833,497; Nov. 24.
Drying apparatus. W. T. Savage. 1,836,087; Dec. 15.
Drying apparatus. J. B. Welch. 1,817,402; Aug. 4.
Drying apparatus. A. Wright. 1,803,450; May 5.
Drying, Apparatus for. J. Küppers. 1,819,102; Aug. 18.
Drying, Apparatus for. G. W. O'Keeffe. 1,803,766; May 5.
Drying apparatus for plates of metal and other material. C. Wagner and A. Hormel. 1,828,516; Oct. 20.
Drying apparatus, Rotating. J. B. Vernay. 1,835,730; Dec. 8.
Drying articles. W. L. Reinhardt. 1,799,248; Apr. 7.
Drying attachment for pressing machines. P. N. Braun. 1,816,208; July 28.
Drying by air circulation. A. W. F. Capps. 1,836,525; Dec. 15.
Drying clothes, laundry, etc., Apparatus for. T. Sendler. 1,818,761; Aug. 11.
Drying drum, Revoluble. A. Schwieter. 1,792,935; Feb. 17.
Drying, heating, or cooling, Apparatus for. F. J. Warden-Stevens. 1,787,878; Jan. 6.
Drying house. F. H. Smith. 1,811,980; June 30.
Drying machine. I. E. McElroy. 1,796,384; Mar. 17.
Drying machine. H. Pierce. 1,800,228; Apr. 14.
Drying machines, Delinting device for. R. C. Pauly. 1,791,574; Feb. 10.
Drying machine for lumber and the like. H. P. Coe. 1,833,880; Nov. 24.
Drying rack. M. W. Kelley. 1,815,673; July 21.
Drying, specifically ironing, Apparatus for. G. T. Huxford. 1,838,943; Dec. 29.
Drying sticky material, Apparatus for. D. J. Van Marle. 1,810,691; June 16.
Drying textile bands, yarns, slivers, tops, and the like, Apparatus for. R. Schilde. 1,813,585; July 7.
Dual-controlled switch. R. Penn. 1,791,839; Feb. 10.
Dual wheel. F. R. Klaus and G. W. Seiberling. 1,816,380; July 28.
Dual wheel. W. Nelson. 1,818,573; Aug. 11.
Dual wire wheel. J. G. Swain. 1,824,752; Sept. 22.
Duct for current distributing systems. H. J. L. Frank and W. A. Harper. 1,819,885; Aug. 18.
Duct rod. E. R. Harrall and R. D. Parrott. 1,818,951; Aug. 11.
Duct terminal. W. Beauregard. 1,826,863; Oct. 13.
Duct terminal. R. L. Dodd. 1,817,130; Aug. 4.
Dump body. R. E. Smith, R. J. Arnold, and R. O. Curfman. 1,832,513; Nov. 17.
Dumbwaiter guard carriage. A. Lang. 1,825,461; Sept. 29.
Dummy for football practice, Tackling and blocking. H. Goldsmith. 1,817,364; Aug. 4.
Dump, Automatic. W. E. Wiesenthal. 1,802,856; Apr. 28.
Dump body. R. T. Osman. 1,808,251; June 2.
Dump body for trucks. C. L. Sherburne. 1,803,360; May 5.
Dumpers, External counterweight device for gondola car. W. E. Erickson. 1,807,902; June 2.
Dumping apparatus, Car. J. D. Pugh. 1,804,543–4; May 12.
Dumping body. G. H. Perkins and R. C. Shoemaker. 1,794,318; Feb. 24.
Dumping body, Semiautomatic. A. P. Lee. 1,804,261; May 5.
Dumping device for back-digging shovels. M. L. Fyske and R. S. Hoar. 1,794,164; Feb. 24.
Dumping fork. W. W. Wallace. Re18,309; Dec. 29.
Dumping unit for motor trucks. E. P. Bordeaux. 1,787,892; Jan. 6.
Dumping unit for trucks. T. H. Clark. 1,813,278; July 7.
Dunnage bag. A. P. Rhett. 1,834,740; Dec. 1.
Duplex screen. A. C. Johnston. 1,799,299; Apr. 7.
Duplex system for telegraph cables with loading coils. K. W. Wagner. 1,822,182; Sept. 8.
Duplex wrench. E. Newberg. 1,793,714; Feb. 24.
Duplicating. L. Silberstrom. 1,789,783; Jan. 20.
Duplicating and like machines, Sheet-feeding attachment for. L. W. Wagner. 1,790,735; Feb. 3.
Duplicating apparatus. W. Ritzerfeld. 1,837,336; Dec. 22.
Duplicating machine. J. R. Beach. 1,829,579; Oct. 27.
Duplicating machine. F. Chesley. 1,835,931; Dec. 8.
Duplicating machine. G. E. Creed. 1,816,720; July 28.
Duplicating machine. J. J. Flanigan. 1,811,176; June 23.
Duplicating machine. R. P. Phibbs. 1,823,952; Sept. 22.
Duplicating machine. G. Sabik and S. Offer. 1,833,181; Nov. 24.
Duplicating machine, Feeding device for. L. J. Sauer. 1,817,423; Aug. 4.
Duplicating method. W. Ritzerfeld. 1,795,378; Mar. 10.
Duplicating or printing apparatus. R. Harris. 1,811,690; June 23.
Duplicator. J. Durkin. 1,788,424; Jan. 13.
Duplicator. H. K. Lorentzen. 1,836,764; Dec. 15.
Dust and air treating mechanism. C. B. Lawrence and E. F. Martinet. 1,832,565; Nov. 17.
Dust and soot separator. H. B. Meller and S. A. Bockius. 1,790,481; Jan. 27.
Dust arrester. R. H. Moore. 1,818,736; Aug. 11.
Dust arrester. R. Ruemelin. 1,835,093; Dec. 8.
Dust arresting ventilator. C. R. C. Borden. 1,822,471; Sept. 8.
Dustbin. J. Wolter. 1,811,165; June 23.
Dust bin, Automatic. R. B. McElroy and F. A. Anderson. 1,838,698; Dec. 29.
Dust cap and valve cap, Combined. M. C. Schweinert. 1,792,659; Feb. 17.
Dust cap for pneumatic tire valves. E. W. Eidemiller. 1,804,755; May 12.
Dust catcher, Window drape. W. Roslyn. 1,829,813; Nov. 3.
Dust-collecting system. G. L. Jackson. 1,792,587; Feb. 17.
Dust-collecting system and operating the same. D. S. Jacobus. 1,793,620; Feb. 24.
Dust collecting system for coal cleaners. R. W. Arms. 1,806,780; May 26.
Dust collection, Wet process. O. B. Cahoon. 1,823,587; Sept. 15.
Dust collector. J. Abramowitz. 1,809,922; June 16.
Dust collector. A. W. Hallam. 1,797,261; Mar. 24.
Dust collector. S. W. Kirk. 1,792,590; Feb. 17.
Dust collector. H. C. Kline. 1,788,306; Jan. 6.
Dust collector. H. Kreisinger. 1,818,994; Aug. 18.
Dust collector. F. Moinett. 1,789,048; Jan. 13.
Dust collector. R. K. Runyon. 1,788,410; Jan. 13.
Dust collector. H. B. Smith. 1,838,331; Dec. 29.
Dust collector mechanism for sintering machines. J. E. Greenawalt. 1,806,899; May 26.
Dust collector or separator. J. Whitmore. 1,824,455; Sept. 22.
Dust collector screen. M. I. Dorfan. 1,835,475; Dec. 8.
Dust-distributor head. J. C. Hull. 1,792,983; Feb. 17.
Dust from gases, Apparatus for removing. E. R. Knapp. 1,836,758; Dec. 15.
Dustguard. W. F. Cremean. 1,817,238; Aug. 4.
Dustguard cap or closure. G. W. Ditmore. 1,836,652–3; Dec. 15.
Dust guard cutting machine. W. L. Delaney. 1,836,751; Dec. 15.
Dust layer having improved hygroscopic properties. E. O. Barstow and S. B. Heath. 1,824,588; Sept. 22.
Dust, Mechanism for collecting. P. and S. Gasner. 1,835,770; Dec. 8.
Dust preventive for roads. J. Keeth. 1,836,255; Dec. 15.
Dustproof bags. P. Witte. 1,802,228; Apr. 21.
Dust recovery device. V. G. Leach. 1,825,274; Sept. 29.
Dust separator. F. R. Simms and B. C. Joy. 1,838,117; Dec. 29,
Dust separator. J. B. Taylor. 1,803,540; May 5.
Dust separator, Centrifugal type. C. H. Crago and A. E. Hamilton. 1,803,462; May 5.
Dust shield for cement packers. E. E. Howard. 1,818,481; Aug. 11.
Duster. R. Yutts. 1,836,102; Dec. 15.
Duster, Barber's neck. M. Farone. 1,837,154; Dec. 15.
Duster, Fabric. R. Yutts. 1,836,103; Dec. 15.
Duster for plants. H. E. Brandt. 1,792,804; Feb. 17.
Dye and preparing it, Pigment. G. Kränzlein, C. Hartmann, and A. Hardt. 1,800,299–300; Apr. 14.
Dye and stripper, Combined. W. Kritchevsky. 1,810,661–2; June 16.
Dye bath and process of dyeing. R. G. Knowland and N. Kosak. 1,805,098; May 12.
Dye, Disazo. B. L. West. 1,806,137; May 19.
Dye, Leather. L. A. Watt. 1,789,375; Jan. 20.
Dye, Mono-azo. W. Hentrich, R. Knoche and P. Virck. 1,805,911; May 19.
Dye, New azo. R. Stüsser. 1,833,269; Nov. 24.
Dye remover. W. Kritchevsky and H. C. Prutzman. 1,810,664; June 16.
Dyed products, Manufacture of. R. Brightman and P. Chorley. 1,821,291; Sept. 1.
Dyeing. R. G. Knowland. 1,832,907; Nov. 24.
Dyeing. G. Spencer. 1,837,686; Dec. 22.
Dyeing and printing. J. I. M. Jones, and W. Kilby. 1,826,352; Oct. 6.
Dyeing and printing. J. Morton and J. I. M. Jones. 1,838,567; Dec. 29.
Dyeing apparatus. C. K. Dunlap. 1,793,736; Feb. 24.
Dyeing apparatus. L. B. Hasbrouck and J. P. Garey. 1,836,533; Dec. 15.
Dyeing apparatus. J. C. Hebden. 1,789,745; Jan. 20.
Dyeing machine. F. Chatfield. 1,800,859; Apr. 14.

Dyeing machine. J. W. Farquhar and W. Hensel. 1,820,385; Aug. 25.
Dyeing machine. A. J. Hall. 1,789,040; Jan. 13.
Dyeing machine. W. A. Traver and J. M. Wood. 1,813,784; July 7.
Dyeing machine. J. T. Tweedale. 1,837,082; Dec. 15.
Dyeing machine construction. W. E. H. Bell. 1,818,032; Aug. 11.
Dyeing machine head. J. T. Tweedale. 1,816,798; July 28.
Dyeing machine with pivoting vat. E. and L. Constant. 1,819,229; Aug. 18.
Dyeing method and apparatus. J. P. Garey and L. B. Hasbrouck. 1,838,385; Dec. 29.
Dyeing process. K. Condon. 1,800,509; Apr. 14.
Dyeing textile fiber laps. O. J. Obermaier. 1,825,974; Oct. 6.
Dyeing, Vat. F. L. Remlein. 1,832,425; Nov. 17.
Dyeings and prints, Producing. E. Hoffa and M. Kerth. 1,802,208; Apr. 21.
Dyeings, Preparation suitable for developing. H. Krzikalla and K. Schnitzspahn. 1,803,532; May 5.
Dyes and making same, Acridine. L. P. Kyrides. 1,822,490; Sept. 8.
Dyes and making same, Pigment. F. Risse, H. E. Wohlers, and M. Paquin. 1,832,242; Nov. 17.
Dyes and preparing the same, Trisazo. H. Jordan. 1,788,797; Jan. 13.
Dyes and product, Manufacture of sulphur containing. O. Spengler and W. Muller. 1,809,318; June 9.
Dyes, Black and grey vat. S. Thornley. 1,832,594; Nov. 17.
Dyes, Direct azo W. Lange. 1,818,898; Aug. 11.
Dyes for p-chlorphenylpyrazolones and anilines, Monazo. L. W. Geller. 1,809,030; June 9.
Dyes, Manufacture of azo. R. Brightman. 1,805,714; May 19.
Dyes, Manufacture of disazo. R. Brightman. 1,821,290; Sept. 1.
Dyes, New azo. J. Huismann, H. Schweitzer, and R. Stüsser. 1,788,300; Jan. 6.
Dyes, Obtaining water soluble azo. I. Ostromislensky. 1,802,062; Apr. 21.
Dyes, Oxidation of leuco bases for. D. T. Ewing and F. H. Lyons. 1,802,640; Apr. 28.
Dyes, Preparation of stable anthraquinone vat. G. Tagliani. 1,803,219; Apr. 28.
Dyes. Preparation of sulphur. A. C. Burrage, jr. 1,828,699; Oct. 20.
Dyes, Printing with vat. C. J. Sala. 1,790,950; Feb. 3.
Dyes, Producing or developing azo. H. T. Bucherer. 1,815,965; July 28.
Dyes, Production of trisazo. C. S. Dewey. 1,819,080; Aug. 18.
Dyes, Soluble azo. J. Huismann, H. Schweitzer, and R. Stüsser. 1,788,299; Jan. 6.
Dyes, Tetrakisazo. C. S. Dewey. 1,819,079; Aug. 18.
Dyestuff and making same, Azo. B. Mayer and J. Grimmer. 1,819,961; Aug. 18.
Dyestuff and making same, New vat. H. Scheyer. 1,793,138; Feb. 17.
Dyestuff and material dyed therewith, Water insoluble azo. K. Beck and H. Kracker. 1,806,034; May 19.
Dyestuff and their preparation, Azo. A. Siegel. 1,803,657; May 5.
Dyestuff components and preparing them, Azo. E. Spröngerts, M. P. Schmidt and R. Franke. 1,822,065; Sept. 8.
Dyestuff containing chromium and making same. F. Straub and H. Schneider. 1,796,058; Mar. 10.
Dyestuff containing chromium and process of making. K. Holzach, H. Kämmerer and W. Müller. 1,814,218; July 14.
Dyestuff containing chromium and process of making, Azo. H. Kammerer. 1,801,745; Apr. 21.
Dyestuff containing metal and making same. F. Straub and H. Mayer. 1,833,237; Nov. 24.
Dyestuff from sulphoaryl-3-carboxylic acid ester-5-pyrazolones, Azo. H. Eichwede and E. Fischer. 1,819,547; Aug. 18.
Dyestuff, Indigoid. W. Bauer and L. Zeh. 1,826,721; Oct. 13.
Dyestuff intermediates, Production of. W. Smith and J. Thomas. 1,834,876; Dec. 1.
Dyestuff, New polyazo. W. Hentrich, M. Hardtmann, J. Hilger, and R. Knoche. 1,808,849; June 9.
Dyestuff, New triarylmethane. B. Wenk and H. Stötter. 1,833,271; Nov. 24.
Dyestuff, New violet vat. M. P. Schmidt and W. Neugebauer. 1,808,260; June 2.
Dyestuff, New water insoluble azo. E. Glietenberg. 1,833,567; Nov. 24.
Dyestuff of the anthranthrone series and making same, Brown vat. W. Zerweck and R. M. Heidenreich. 1,801,709; Apr. 21.
Dyestuff of the benzanthrone series and making same, Vat. P. Nawiasky, E. Holzapfel, and O. Braunsdorf. 1,821,023; Sept. 1.
Dyestuff of the dipyrazolanthrone series and making same, New vat. R. Heil. 1,804,431; May 12.
Dyestuff preparation and making same. A. Arbogast. 1,818,878; Aug. 11.
Dyestuff preparations and their application in the printing of textiles, Manufacture of. H. Bernhard and F. Felix. 1,835,926; Dec. 8.
Dyestuff, Vat. M. A. Kunz, and K. Koeberle. 1,825,875; Oct. 6.
Dyestuff, Vat. K. Thiess and T. Meissner. 1,809,224; June 9.
Dyestuff, Water insoluble azo. E. Glietenberg. 1,833,568; Nov. 24.
Dyestuffs. W. G. Woodcock, H. A. E. Drescher, E. G. Beckett, and J. Thomas. 1,833,808; Nov. 24.
Dyestuffs and intermediate products and making same, Vat. B. Mayer, K. Krauer, and H. Siebenbürger. 1,836,859; Dec. 15.
Dyestuffs and intermediates from benzanthrone derivatives, Preparing. R. F. Thomson and J. Thomas. 1,831,691; Nov. 10.
Dyestuffs and intermediates, Manufacture of. R. F. Thomson and J. Thomas. 1,818,510; Aug. 11.
Dyestuffs and making same. Azo. M. Schmid and F. Straub. 1,791,432; Feb. 3.
Dyestuffs and making same, Direct dyeing water soluble stable derivatives of vat. J. Morton, J. I. M. Jones, B. Wylam, and J. E. G. Harris. 1,790,759; Feb. 3.
Dyestuffs and making same, Fast sulphur. R. Herz and W. Hechtenberg. 1,815,144; July 21.
Dyestuffs and making same, Halogenated vat. R. Herz and W. Zerweck. 1,803,758; May 5.
Dyestuffs and making same. Metalliferous azo. H. Gugler G. de Montmollin, and J. Spieler. 1,829,646; Oct. 27.
Dyestuffs and making same, Substituted thioindigo vat. K. Schirmacher, K. Zahn, E. Hoffa, and H. Heyna. 1,790,843; Feb. 3.
Dyestuffs and making same, Vat. B. Mayer and H. Siebenbürger. 1,831,715; Nov. 10.
Dyestuffs and making the same, New azo. G. Kalischer, and R. Fleischhauer. 1,810,277; June 16.
Dyestuffs and material dyed therewith, Water-insoluble azo. R. Dereser and K. Moldaenke. 1,806,047; May 19.
Dyestuffs and material dyed with them, Azo. H. Wagner and K. Beck. 1,794,219; Feb. 24.
Dyestuffs and metal compounds thereof, New azo. H. Krzikalla and H. Kaemmerer. 1,815,782; July 21.
Dyestuffs and preparation, Azo. D. Zinner. 1,789,279; Jan. 13.
Dyestuffs and preparing the same, Parazolone azo. H. Wagner, H. Eichwede, and E. Fischer. 1,794,218; Feb. 24.
Dyestuffs and preparing them, Acid wool. W. Eckert. 1,796,011; Mar. 10.
Dyestuffs and preparing them, Indigoid vat. K. Thiess, and T. Meissner. 1,830,861; Nov. 10.
Dyestuffs and preparing them, New azo. O. Sohst. 1,815,133; July 21.
Dyestuffs and preparing them, Vat. G. Kränzlein, H. Vollman, and M. Corell. 1,825,740; Oct. 6.
Dyestuffs and their application, New azo. R. Brightman and P. Chorley. 1,821,256; Sept. 1.
Dyestuffs and the manufacture of same, Metalliferous. F. Straub, H. Mayer, and W. Hanhart. 1,835,821; Dec. 8.
Dyestuffs, Azo. G. De Montmollin. 1,791,444; Feb. 3.
Dyestuffs, Azo. H. Heyna and E. Thoma. 1,836,118; Dec. 15.
Dyestuffs, Azo. H. Krzikalla and F. Bluemmel. 1,822,044; Sept. 8.
Dyestuffs, Chromiferous azo. H. Krzikalla. 1,828,055; Oct. 20.
Dyestuffs containing chromium and process of making. H. Kämmerer. 1,813,879; July 7.
Dyestuffs containing chromium, Azo. H. Krzikalla and F. Blümmel. 1,838,267; Dec. 29.
Dyestuffs derived from amino-acylamino-salicyl-diphenylsulfones, Azo. W. Neelmeier and W. Hentrich. 1,803,202; Apr. 28.
Dyestuffs, Diazotizable primary disazo. M. Boeniger. 1,792,355; Feb. 10.
Dyestuffs, Direct-developed azo. E. F. Grether. 1,790,807; Feb. 3.
Dyestuffs, Extraction of. W. Whitehead. 1,791,990; Feb. 10.
Dyestuffs from 2.3-hydroxynaphthoic acid arylids and making the same, Azo. L. Laska and A. Zitscher. 1,838,270; Dec. 29.
Dyestuffs. Gallocyanine. E. Hug and H. Werdenberg. 1,834,620; Dec. 1.
Dyestuffs, Improving the solubility of. A. R. Murphy and J. B. Oesch. 1,796,115; Mar. 10.
Dyestuffs, Indigoid vat. N. Steiger. 1,816,550; July 28.
Dyestuffs, Indigoid violet vat. H. A. Lubs and J. G. Diniddie. 1,792,648; Feb. 17.
Dyestuffs insoluble in water, Azo. W. Fitzky and E. Thoma. 1,806,995; May 26.
Dyestuffs, Manufacture of azo. R. Brightman. 1,805,715; May 19.
Dyestuffs, Manufacture of azo. R. Brightman. 1,821,255; Sept. 1.
Dyestuffs, Manufacture of azo. R. Brightman and P. Chorley. 1,821,257; Sept. 1.
Dyestuffs, Manufacture of azo. P. Laeuger. 1,821,759; Sept. 1.
Dyestuffs, Manufacture of azo. K. H. Meyer and C. Schuster. 1,805,919; May 19.
Dyestuffs, Manufacture of chromed complexes of azo and ortho-hydroxy-azo. H. Mirocourt. 1,824,914; Sept. 29.
Dyestuffs, Manufacture of direct dyeing disazo. C. Mettler. 1,810,839; June 16.

Dyestuffs, Manufacture of grey to black vat. P. Nawiasky. 1,804,840; May 12.
Dyestuffs, Manufacture of mordant diazo. L. Oswald. 1,822,784; Sept. 8.
Dyestuffs, Manufacture of oil and fat soluble azo. A. Krebser and E. Wysard. 1,819,957; Aug. 18.
Dyestuffs, Manufacture of substantive polyazo. B. Richard. 1,829,672–3; Oct. 27.
Dyestuffs, Manufacture of vat. P. Nawiasky, O. Braunsdorf and E. Holzapfel. 1,822,367; Sept. 8.
Dyestuffs, New azo. J. Haller. 1,810,273; June 16.
Dyestuffs, New azo. W. Hentrich and E. Rimele. 1,821,938; Sept. 8.
Dyestuffs, New thionaphthene-indoleindigo. W. Bauer. 1,801,713; Apr. 21.
Dyestuffs, New vat. H. Heyna. 1,822,967; Sept. 15.
Dyestuffs, New vat. M. A. Kunz, and K. Koeberle. 1,825,874; Oct. 6.
Dyestuffs of the acridone series, Vat. R. Berliner. 1,833,770; Nov. 24.
Dyestuffs of the anthanthrone series, Purifying vat. R. Herz and W. Zerweck. 1,835,396; Dec. 8.
Dyestuffs of the anthraquinone oxazole series, Vat. G. Kalischer and O. Bayer. 1,822,972; Sept. 15.
Dyestuffs of the anthraquinone series, Brown vat. W. Zerweck. 1,829,843; Nov. 3.
Dyestuffs of the anthraquinone series, Manufacturing vat. A. Holl. 1,804,532; May 12.
Dyestuffs of the anthraquinone series, Manufacture of vat. M. A. Kunz. 1,803,395; May 5.
Dyestuffs of the anthraquinone series, Vat. M. A. Kunz, F. G. von Rosenberg, and E. Gofferjé. 1,790,102; Jan. 27.
Dyestuffs of the anthraquinone series and making the same, Acid wool. G. Kalischer and E. Honol. 1,820,023; Aug. 25.
Dyestuffs of the anthraquinone series and making same, Vat. R. Herz and W. Zerweck. 1,803,757; May 5.
Dyestuffs of the benzanthrone series. M. A. Kunz, K. Koeberle, and W. Bruck. 1,837,274; Dec. 22.
Dyestuffs of the benzanthrone series. Vat. E. Holzapfel. O. Braunsdorf, and H. Lange. 1,822,968; Sept. 15.
Dyestuffs of the benzanthrone series, Vat. A. Lüttringhaus, H. Wolfff, and H. Neresheimer. 1,827,295; Oct. 13.
Dyestuffs of the benzanthrone series and making same, New vat. W. Zerweck and E. Honold. 1,819,053; Aug. 18.
Dyestuffs of the benzanthrone series and making same, Vat. B. Mayer and H. Siebenbürger. 1,831,716; Nov. 10.
Dyestuffs of the benzanthrone-pyrazoleanthrone series and preparing them, Vat. K. Wilke. 1,790,780; Feb. 3.
Dyestuffs of the dianthraquinonylamine carbazole series, New vat. F. Baumann. 1,819,014; Aug. 18.
Dyestuffs of the dianthraquinonylamine-carbazole series, Vat. W. Mieg and R. Berliner. 1,801,678; Apr. 21.
Dyestuffs of the halogenated anthracene series, Production of blue. P. Nawiasky and A. Krause. 1,824,831; Sept. 29.
Dyestuffs of the indigo series, Vat. K. Thiess, T. Meissner, and H. Heyna. 1,792,130; Feb. 10.
Dyestuffs of the naphthoylene-diarylimidazol series and preparing them, Nitrogen containing vat. W. Eckert. 1,819,082; Aug. 18.
Dyestuffs of the n-methyl acridine anthrone naphthoquinone series, Production of vat. P. Nawiasky. 1,832,236; Nov. 17.
Dyestuffs of the pyrazolanthrone series, Vat. P. Nawiasky and E. Krauch. 1,838,232; Dec. 29.
Dyestuffs of the pyrazolone series and making same. H. Stahel and F. Straub. 1,801,120; Apr. 14.
Dyestuffs of the triphenyl methane series. H. Grotowsky. 1,830,835; Nov. 10.
Dyestuffs on acidyl cellulose, Production of azo. F. Felix and W. Jaeck. 1,793,390; Feb. 17.
Dyestuffs, Preparation of mordant disazo. E. Bodmer. 1,815,827; July 21.
Dyestuffs, Preparing indanthrone. L. H. Ulich. 1,790,887; Feb. 3.
Dyestuffs, Preparing indigoid vat. E. Hoffa and W. Luce. 1,793,173; Feb. 17.
Dyestuffs, Producing azo. K. Heusner and M. Simon. 1,795,125; Mar. 3.
Dyestuffs, Production of black tetra-kisazo. G. Wolfsleben. 1,789,888; Jan. 20.
Dyestuffs, Production of new vat. P. Nawiasky and J. Mueller. 1,797,478; Mar. 24.
Dyestuffs, Production of nitrogenous vat. M. A. Kunz and K. Koeberle. 1,807,694; June 2.
Dyestuffs, Production of vat. A. Lüttringhaus, R. Nawiasky, and A. Krause. 1,817,995; Aug. 11.
Dyestuffs, Sulphur. F. Muth. 1,832,233–4; Nov. 17.
Dyestuffs to fabrics and porous surfaces, Transferring water soluble. H. S. Sadtler. 1,832,661; Nov. 17.
Dyestuffs, Vat. W. Bruck and F. Helwert. 1,818,037; Aug. 11.
Dyestuffs, Vat. M. A. Kunz and K. Koeberle. 1,804,535; May 12.
Dyestuffs, Vat. W. Mieg. 1,804,538; May 12.
Dyestuffs, Water insoluble azo. R. Herz and M. Schubert. 1,819,096; Aug. 18.
Dyestuffs which are of value for obtaining fast tints on the different fibers and making same, Preparation of. M. Bommer, G. de Montmollin, J. Fröhlich, F. Grieshaber, W. Paeck and F. Felix. 1,828,592; Oct. 20.
Dyhydroxyanthraquinone and its derivatives, Production of. J. W. Orelup. 1,790,510; Jan. 27.
Dynamo electric machine. H. Riese. 1,821,405; Sept. 1.
Dyphenylene oxide, Preparation of. W. J. Hale and W. C. Stoesser. 1,808,349; June 2.
Ear pad. M. O. Gaston, and T. R. James. 1,826,309; Oct. 6.
Earphone. H. Lieber. 1,811,639; June 23.
Earphone transmitter. H. Lieber. 1,811,638; June 23.
Ear receiver nipple. G. B. French. 1,830,198; Nov. 3.
Ear ring. L. A. Delamothe. Des. 84,184; May 19.
Ear suction cup. L. R. England. 1,805,471; May 19.
Earth boring device. Universal electric. F. W. Hild. 1,832,634; Nov. 17.
Earth boring drill. B. Van Patten. 1,820,511; Aug. 25.
Earth boring drill. C. E. Reed. 1,835,523; Dec. 8.
Earth boring system. J. G. Ritter. 1,807,048; May 26.
Earth carbonates and other materials, Process of and apparatus for heat treating alkaline. R. W. Hyde. 1,810,313; June 16.
Easel. E. L. Shanholtzer. 1,803,511; May 5.
Earth, Chemically solidifying. M. Müller. 1,815,876; July 21.
Earth conditioning implement. I. H. Beal. 1,829,952; Nov. 3.
Earth-coring machine. F. Stone. 1,796,488; Mar. 17.
Earth drilling. S. C. Nottage. 1,838,956; Dec. 29.
Earth formations, Method and apparatus for obtaining indications of. H. L. Doherty. 1,838,559; Dec. 29.
Earth handling structure. P. T. Robin and C. J. Scheloske. 1,822,423; Sept. 8.
Earth moving device. R. L. Harrison. 1,835,648; Dec. 8.
Earth moving device. R. L. Harrison. 1,835,649; Dec. 8.
Earth moving implement. L. O. Bird. 1,808,733; June 2.
Earth-moving implement. M. Woolridge. 1,788,698; Jan. 13.
Earth, Revivifying spent fuller's. N. E. Lemmon. 1,805,178; May 12.
Earth spreader and leveler. G. M. Schnepf. 1,787,765; Jan. 6.
Earth working apparatus. R. L. Harrison. 1,826,931; Oct. 13.
Earth working apparatus. W. A. Perry. 1,820,823; Aug. 25.
Earthworking implement. C. E. Finney. 1,814,469; July 14.
Earth working implement. R. N. Geffroy. 1,807,784; June 2.
Earth working implement. S. B. Hendricks. 1,802,556; Apr. 28.
Earth's crust, Apparatus for the study of the. O. H. Gish. 1,813,845; July 7.
Earth's substrata, Method of and apparatus for determining the direction of the dip and strike of the. H. N. Herrick. 1,792,639; Feb. 17.
Earthenware articles, Method of and device for manufacturing hollow. A. C. May. 1,839,110; Dec. 29.
Easel. F. D. Courtenay. 1,825,716; Oct. 6.
Easel. J. Dumas. 1,809,268; June 9.
Easel. G. Lowenstein. Des. 83,738; Mar. 24.
Easel and medallion, Combined. B. Harris. 1,815,436; July 21.
Easel, Display. A. R. Wlecke, W. J. Gorie, and F. F. Lange. 1,787,607; Jan. 6.
Easel, Folding. H. V. Marsh. 1,798,267; Mar. 31.
Easel for a poster. W. O. Holt. 1,789,001; Jan. 13.
Easel, Lock tab. L. Fountain. 1,830,270; Nov. 3.
Easel or supporting device for display boxes, show cards and the like. A. J. Tanner. 1,830,743; Nov. 3.
Easel, Photographic. A. Petryl. Des. 83,211; Feb. 3.
Easel, Reading. L. A. Hurlburt. 1,797,610; Mar. 24.
Ebonite bodies, Manufacture of porous. M. Wilderman. 1,791,437; Feb. 3.
Eccentric, Adjustable. M. Lubich. 1,787,691; Jan. 6.
Echo suppressor. L. G. Abraham. 1,826,196; Oct. 6.
Echo suppressor. J. Herman. 1,814,038; July 14.
Echo suppressor. D. Mitchell. 1,814,052; July 14.
Economizer. H. G. Gosselin. 1,822,397; Sept. 8.
Economizer. H. J. Kerr. 1,804,939; May 12.
Economizer. A. C. Schleh. 1,792,327; Feb. 10.
Economizer. J. E. Trainer and I. L. Langvand. 1,818,769; Aug. 11.
Economizer. J. Van Brunt, H. Kreisinger, and H. T Bernhard. 1,795,909; Mar. 10.
Economizer with overlapping plates. H. J. Kerr. 1,827,201; Oct. 13.
Edge binding. A. W. Peters. 1,803,285; Apr. 28.
Edge construction for table tops and the like. F. A. Schmitz. 1,810,579; June 16.
Edge decoration. C. O. Smith. 1,813,551; July 7.
Edge for instruments, Translucent. L. M. Karnasch. 1,800,452; Apr. 14.
Edge setting machine. M. W. Howard. 1,829,800; Nov. 3.
Edge trimming and mowing machine. J. Miller. 1,831,681; Nov. 10.
Edger. W. G. Hagmaier and E. C. Shaw. 1,788,574; Jan. 13.
Edger shifter. W. G. Hagmaier and E. C. Shaw. 1,835,041; Dec. 8.

Edges of curved blanks in the manufacture of sheet metal pipes and the like, Shaping the meeting. W. R. Hume. 1,816,534; July 28.
Edges of loose leaf filler sheets, Device for securing together the binding. C. B. Irving. 1,817,488; Aug. 4.
Edging machine. F. L. Hitchcock. 1,797,342; Mar. 24.
Edging machine. H. H. Wolfe and H. L. Myers. 1,804,523; May 12.
Edging mill. R. J. Banner. 1,808,752; June 9.
Edging, Upholstering. F. L Smith. 1,809,733; June 9.
Edible cone. W. J. Wisniewski. Des. 83,840; Mar. 31.
Edible cup. E. Hamwi. Des. 85,822. Dec. 22.
Edible product. A. Heyboer. 1,809,383; June 9.
Edibles, Incasing. W. D. Thompson. 1,795,153; Mar. 3.
Educational apparatus. F. E. Austin. 1,810,745; June 16.
Educational apparatus. L. Behr. 1,807,615; June 2.
Educational apparatus. R. R. Graves. 1,831,383; Nov. 10.
Educational apparatus. P. E. Klopsteg. 1,826,180; Oct. 6.
Educational appliance. T. A. Appia. 1,802,492; Apr. 28.
Educational appliance. T. A. Appia. 1,811,105; June 23.
Educational appliance. H. E. Conklin. 1,801,724; Apr. 21.
Educational demonstrating device. W. Bopf. 1,802,331; Apr. 28.
Educational device. R. L. Anthony. 1,798,647; Mar. 31.
Educational device. H. S. C. Bacon. 1,820,209; Aug. 25.
Educational device. S. L. Baumgarten. 1,837,194; Dec. 22.
Educational device. L. Fenner. 1,636,231; Dec. 15.
Educational device. C. M. Heid. 1,838,942; Dec. 29.
Educational device. J. Meyerhoff. 1,812,110; June 30.
Educational device. L. A. Pfleger. 1,833,793; Nov. 24.
Educational device. R. Scharf. 1,804,813; May 12.
Educational device. E. R. Smith. 1,791,982; Feb. 10.
Effervescent mixture. W. E. Stokes and R. A. Wright. 1,834,747; Dec. 1.
Efficiency device, Steam engine operation. R. F. Knight. 1,805,585; May 19.
Egg beater. H. J. Edlund. 1,789,224; Jan. 13.
Egg boiler. B. H. Skelly. 1,831,612; Nov. 10.
Egg boiling frame. B. Sperber. 1,810,258; June 16.
Egg candling and grading machine. E. G. Heaton. 1,816,483; July 28.
Egg candling and handling device. R. B. Grisham, H. H. Vandivort, L. L. Grisham, and R. C. Miles. 1,831,302; Nov. 10.
Egg carrier. J. W. Wilkinson. 1,803,047; Apr. 28.
Egg case filler machine. E. J. Kanabay. 1,812,486; June 30.
Egg handling apparatus. F. C. Chapman. 1,837,357; Dec. 22.
Egg packing mechanism. W. W. Cecil 1,813,527; July 7.
Egg saver trap. A. Grill. 1,828,406; Oct. 20.
Egg separating and grading machine, Liquid-. I. H. Hall. 1,795,118; Mar. 3.
Egg separator. M. Hansen and W. G. Young. 1,838,620; Dec. 29.
Egg tester. J. W. Wyland. 1,796,699; Mar. 17.
Egg treating machine. B. E. Ford. 1,814,680; July 14.
Egg turning device. R. R. Freeman. 1,837,857; Dec. 22.
Egg white process. A. K. Epstein and B. R. Harris. 1,818,212–14; Aug. 11.
Egg white product and process. A. K. Epstein and B. R. Harris. 1,818,215; Aug. 11.
Eggs or the like, Coloring. P. B. and W. R. Townley. 1,829,689; Oct. 27.
Eggs or the like, Method of and preparation for coloring. E. R. Gibbens. 1,829,645; Oct. 27.
Eggs, Preserving. W. Matzka. 1,813,064; July 7.
Eggs, Process and apparatus for storing. H. M. Hitchings. 1,792,303; Feb. 10.
Ejecting mechanism. T. P. Gardner. 1,794,372; Mar. 3.
Ejecting mechanism. A. G. Ravenschlag and F. P. Tikalsky. 1,833,659; Nov. 24.
Ejector. J. H. Forrest. 1,806,287; May 19.
Ejector. A. E. Kincaid, jr. 1,835,603; Dec. 8.
Elastic band for wearing apparel. G. Ramsey. 1,802,352; Apr. 28.
Elastic band, Renewable. A. D. Lehman. 1,789,823; Jan. 20.
Elastic fabric. W. J. Fox. 1,800,992; Apr. 14.
Elastic fabric. J. V. Moore. 1,796,041; Mar. 10.
Elastic fabric. O. F. Neidel. 1,797,693; Mar. 24.
Elastic fabric, Rubberless. O. S. Lawton. 1,823,055; Sept. 15.
Elastic-fluid machine. J. A. Dempster. 1,792,288; Feb. 10.
Elastic material. E. S. Axline. 1,812,279; June 30.
Elastic, Overall suspender. L. W. Joyce. 1,820,072; Aug. 25.
Elastic wheel. T. Sanmarti. 1,814,634; July 14.
Elbow, Capped. L. H. Church. 1,816,670; July 28.
Electric air-break switch. H. J. Kratzer. 1,825,002; Sept. 29.
Electric alarm, Multicontrol. V. A. Herr. 1,796,368; Mar. 17.
Electric annunciator for automobile tires. N. R. Cowperthwait. 1,804,209; May 5.
Electric apparatus. T. C. Lennox. 1,837,973; Dec. 22.
Electric apparatus. E. W. Schellentrager and W. E. Boyer. 1,821,989; Sept. 8.
Electric apparatus. J. Slepian. 1,810,033; June 16.
Electric apparatus. W. J. Spengler. 1,836,513; Dec. 15.
Electric apparatus for shovels and the like. C. R. Fisher. 1,829,955; Nov. 3.
Electric apparatus for teaching mathematics. K. Rice. 1,810,529; June 16.
Electric arc device. P. K. Devers. 1,803,175; Apr. 28.
Electric-arc furnace. O. L. Mills. Re17,954; Feb. 3.
Electric arcs, Controlling. K. Strobel. 1,796,969; Mar. 17.
Electric battery. J. C. McLean. 1,801,282; Apr. 21.
Electric battery. A. Schmid. 1,828,204; Oct. 20.
Electric battery, Primary. B. Ford. 1,837,361; Dec. 22.
Electric bell hoist. G. Fox. 1,800,518; Apr. 14.
Electric brake. D. R. Cushman. 1,811,260; June 23.
Electric bulb. K. Nikoloff. 1,832,413; Nov. 17.
Electric bulb or similar article. G. Niebel. Des. 83,696; Mar. 17.
Electric bulb or similar article. G. Niebel. Des. 83,741; Mar. 24.
Electric bulb or similar article. G. Niebel. Des. 83,827; Mar. 31.
Electric bulb or similar article. G. Niebel. Des. 83,909; Apr. 14.
Electric bulb, Socketless. G. A. Blank. 1,802,167; Apr. 21.
Electric cable with paper insulation, High tension. M. Weiset. 1,814,102; July 14.
Electric candle lamp stand. A. G. Rossig. Des. 85,547; Nov. 10.
Electric cell. G. W. Heise. 1,815,508; July 21.
Electric circuit-breaker. A. Allan. 1,821,414; Sept. 1.
Electric circuits, Breaking. W. B. Whitney and E. B. Wedmore. 1,820,927; Sept. 1.
Electric conductor supporting and insulating structure. H. C. Sturman. 1,801,394; Apr. 21.
Electric connecter. P. P. Basterreix. 1,796,553; Mar. 17.
Electric connecter, Separable. F. W. Rogers. 1,812,609; June 30.
Electric control. L. C. Shippy. 1,820,252; Aug. 25.
Electric control apparatus. G. Somajni. 1,825,100; Sept. 29.
Electric control device. R. B. Hunter. 1,822,700; Sept. 8.
Electric control device, Distant. E. Granat. 1,788,670; Jan. 13.
Electric control mechanism for vehicle brakes. V. G. Apple. 1,821,200; Sept. 1.
Electric control of mechanical movements, Mechanism for. H. E. Hintz. 1,821,514; Sept. 1.
Electric control system. A. P. Davis. 1,798,592; Mar. 31.
Electric control system. A. S. Fitzgerald. 1,805,167; May 12.
Electric control system. D. R. Putt. 1,788,590; Jan. 13.
Electric control, System of. H. W. C. Liddiard. 1,815,857; July 21.
Electric control, System of. H. A. Winne. 1,815,754; July 21.
Electric controlling apparatus. H. K. Kouyoumjian. 1,826,890; Oct. 13.
Electric controlling apparatus. H. K. Kouyoumjian. 1,828,054; Oct. 20.
Electric controlling apparatus. H. K. Kouyoumjian. 1,828,900; Oct. 27.
Electric controlling apparatus. H. K. Kouyoumjian. 1,830,232; Nov. 3.
Electric controlling apparatus. H. K. Kouyoumjian. 1,835,115; Dec. 8.
Electric controlling apparatus. V. L. Osgood. 1,834,416; Dec. 1.
Electric control system for fuel oil burners. L. L. Scott. 1,836,939; Dec. 15
Electric converter. G. B. Crouse. 1,815,498; July 21.
Electric converting apparatus. J. E. Calverley and W. E. Highfield. 1,791,861; Feb. 10.
Electric converting apparatus. J. E. Calverley and W. E. Highfield. 1,808,399; June 2.
Electric cooking apparatus. L. Reichold. 1,822,314; Sept. 8.
Electric cooking appliance. H. J. Lipham. 1,825,406; Sept. 29.
Electric cooling, Apparatus for. H. F. A. Turrettini. 1,804,072; May 5.
Electric cord fixture. F. J. Geisler. 1,793,924; Feb. 24.
Electric coupling. A. Allan. 1,800,128; Apr. 7.
Electric crystal apparatus, Piezo. A. M. Nicolson. 1,813,461; July 7.
Electric crystal apparatus, Piezo. D. L. Ryan and A. Crossley. 1,822,825; Sept. 8.
Electric crystal apparatus, Piezo-. A. M. Trogner. 1,800,576; Apr. 14.
Electric current, Filtering. G. B. Crouse. 1,804,859; May 12.
Electric current rectifier. O. Seitz. 1,811,521; June 23.
Electric currents, Apparatus for rectifying alternating. L. H. Peter. 1,795,438; Mar. 10.
Electric device, Adjustable. D. R. De Tar. 1,825,583; 1,812,299; June 30.
Electric device and cabinet, Disappearing. W. B. Blake. 1,794,667; Mar. 3.
Electric device, Cast piezo. A. M. Nicolson. 1,830,328; Nov. 3.
Electric device, Piezo. W. A. Marrison. 1,823,329; Sept. 15.
Electric device, Piezo. C. B. Sawyer. 1,803,274–5; Apr. 28.
Electric devices, Construction of. M. Pirani. 1,820,827; Aug. 25.

Electric devices, Directional control of dynamic. M. E. Bivens. 1,805,160; May 12.
Electric discharge apparatus. A. A. Oswald and J. C. Schelleng. 1,830,210; Nov. 3.
Electric discharge device. E. E. Charlton. 1,815,762; July 21.
Electric discharge device. W. F. Hendry. 1,804,467; May 12.
Electric discharge device. H. W. Weinhart. 1,836,829; Dec. 15.
Electric discharge device, Gaseous. H. Ewest, and M. Reger. 1,831,950; Nov. 17.
Electric discharge display device. S. Ruben. 1,805,108; May 12.
Electric discharge tube. A. C. Bartlett and J. W. Ryde. 1,809,229; June 9.
Electric discharge tube. A. Bouwers. 1,824,755; Sept. 22.
Electric display device. J. Block. 1,824,942; Sept. 29.
Electric display device. M. E. Curtiss. 1,804,595; May 12.
Electric display device. M. E. Curtiss. 1,828,177; Oct. 20.
Electric distribution system and protective method and apparatus therefor. G. A. Burnham. 1,798,366; Mar. 31.
Electric distribution, System of. A. C. Connell. 1,795,198; Mar. 3.
Electric distribution, System of. T. C. Lennox. 1,804,353; May 5.
Electric distribution systems, Control house for. T. T. Greenwood. 1,798,376; Mar. 31.
Electric door-motor. R. J. Parsons. 1,838,959; Dec. 29.
Electric drier. L. G. White. 1,806,727; May 26.
Electric energy, Apparatus for generating. W. D. Fletcher. 1,787,930; Jan. 6.
Elastic exerciser. L. D. Gordon. 1,790,267; Jan. 27.
Electric fan, Portable. E. S. Preston. Des. 85,004; Sept. 1.
Electric fitting. L. Barnett. 1,808,011; June 2.
Electric fitting, Separable. A. H. Nero. 1,837,058; Dec. 15.
Electric flash light. G. Kuhn. 1,832,563–4; Nov. 17.
Electric fountain. H. O. Good. 1,818,319; Aug. 11.
Electric frequency eliminator, Piezo. E. I. Green. 1,827,843; Oct. 20.
Electric furnace. H. I. Altshuler and G. B. Lantz. 1,831,054; Nov. 10.
Electric furnace. R. C. Benner, G. J. Easter, and C. E. Hawke. 1,837,178; Dec. 15.
Electric furnace. H. G. Campbell. 1,818,789; Aug. 11.
Electric furnace. R. Dufour. 1,805,469; May 19.
Electric furnace. F. Frenzel. 1,830,992; Nov. 10.
Electric furnace. A. E. Greene. 1,832,483; Nov. 17.
Electric furnace. F. A. Hansen. 1,802,892; Apr. 28.
Electric furnace. G. Keller. 1,798,678; Mar. 31.
Electric furnace. A. G. Lobley. 1,820,668; Aug. 25.
Electric furnace. P. L. J. Miguet. 1,806,210; May 19.
Electric furnace. W. E. Moore. 1,818,239; Aug. 11.
Electric furnace. A. Musso. 1,818,812; Aug. 11.
Electric furnace, Dental porcelain. N. Thompson. 1,824,310; Sept. 22.
Electric furnace, Induction. E. F. Northrup. 1,811,644; June 23.
Electric furnace, Induction. E. F. Northrup. 1,822,539; Sept. 8.
Electric furnace, Induction. E. F. Northrup. 1,824,618; Sept. 22.
Electric furnace, Induction. E. F. Northrup. 1,830,481; Nov. 3.
Electric fuse. J. H. Starr. 1,807,228; May 26.
Electric generator. H. J. Graham. 1,802,110; Apr. 21.
Electric griddle. J. L. Halman. Des. 84,033; Apr. 28.
Electric heater. E. A. Antonini. 1,839,007; Dec. 29.
Electric heater. C. C. Abbott. 1,828,635; Oct. 20.
Electric heater. E. O. Arnold. 1,834,014; Dec. 1.
Electric heater. E. C. Booth. Des. 84,179; May 19.
Electric heater. W. J. Bradfish. 1,833,066; Nov. 24.
Electric heater. W. W. Brown and F. B. Stone. 1,797,519; Mar. 24.
Electric heater. F. J. Cheslock and C. A. Yares. 1,813,023; July 7.
Electric heater. W. W. Hicks. 1,827,788; Oct. 20.
Electric heater. A. J. Holmes. 1,818,953; Aug. 11.
Electric heater. H. G. Landis. 1,828,809; Oct. 27.
Electric heater. C. W. Logan. Des. 83,554; Mar. 3.
Electric heater. C. W. Logan. Des. 84,091; May 5.
Electric heater. C. S. Mallett. 1,837,975; Dec. 22.
Electric heater. C. H. McCormick. 1,801,099; Apr. 14.
Electric heater. L. Reichold. 1,794,120; Feb. 24.
Electric heater. L. W. Serrell. 1,801,614; Apr. 21.
Electric heater. E. L. Smalley. 1,823,067; Sept. 15.
Electric heater. W. K. Tavender. 1,806,004; May 19.
Electric heating furnaces, High temperature. J. D. Morgan. 1,803,282; Apr. 28.
Electric heating unit. A. Johnson. 1,799,168; Apr. 7.
Electric hot water distributor. F. Graf. 1,817,366; Aug. 4.
Electric impulses, Amplifying. A. A. Thomas. 1,788,553; Jan. 13.
Electric impulses from a source of current supply, Apparatus for delivering. W. Thew. 1,837,140; Dec. 15.
Electric incandescent body. W. and I. Noddack. 1,806,410; May 19.
Electric indicating means. W. H. Bradshaw. 1,796,586; Mar. 17.
Electric inductance furnace. D. Willcox. 1,827,274; Oct. 13.
Electric induction furnace. G. H. Clamer. 1,838,527; Dec. 29.
Electric installations, Protective arrangement for. U. Modigliani. 1,799,057; Mar. 31.
Electric iron. W. E. Belcher. 1,806,383; May 19.
Electric lamp for flash-light photography or similar article. H. Neuwirth. Des. 83,568; Mar. 3.
Electric lamps, Machine for testing. A. C. Seletzky. 1,821,240; Sept. 1.
Electric-light bulb, Incandescent-. S. Lyman. 1,798,745; Mar. 31.
Electric light fixture. G. E. Glatthar. Des. 84,930; Aug. 25.
Electric light fixture. G. E. McFadden. Des. 84,095–7; May 5.
Electric-lighting tube. K. Wiegand. 1,799,339–40; Apr. 7.
Electric liquid flow switch. W. R. Walker. 1,803,986; May 5.
Electric liquid heater. E. R. Case. 1,797,520; Mar. 24.
Electric log. H. J. Gross. 1,827,941; Oct. 20.
Electric machine. O. T. Bláthy. 1,793,434; Feb. 17.
Electric machine. E. M. Fraser. 1,813,393; July 7.
Electric machine. W. Langewiesche. 1,807,218; May 26.
Electric machine construction, Dynamo. K. Engelhardt. 1,820,531; Aug. 25.
Electric machine, Dynamo-. V. G. Apple. 1,792,526; Feb. 17.
Electric machine, Dynamo. V. G. Apple. 1,807,955; June 2.
Electric machine, Dynamo. V. G. Apple. 1,808,747; June 9.
Electric machine, Dynamo. V. G. Apple. 1,822,263–4; Sept. 8.
Electric machine, Dynamo. G. Belfils. 1,819,860. Aug. 18.
Electric machine, Dynamo. T. A. Edison. 1,829,856; Nov. 3.
Electric machine, Dynamo. M. A. J. Fave. 1,790,413; Jan. 27.
Electric machine, Dynamo-. K. L. Hansen. 1,792,739; Feb. 17.
Electric machine, Dynamo. K. L. Hansen. 1,811,668; June 23.
Electric machine, Dynamo. K. L. Hansen. 1,811,670–1; June 23.
Electric machine, Dynamo. A. Kayser. 1,812,748; June 30.
Electric machine, Dynamo. J. F. Lincoln. 1,819,182; Aug. 18.
Electric machine, Dynamo. H. P. Linders. 1,816,859; Aug. 4.
Electric machine, Dynamo. W. J. Morrill. 1,834,860; Dec. 1.
Electric machine, Dynamo. E. B. Plenge. 1,834,803; Dec. 1.
Electric machine, Dynamo. R. Pohl. 1,816,795; July 28.
Electric machine, Dynamo. D. C. Prince. 1,813,764; July 7.
Electric machine, Dynamo-. F. L. Sessions. 1,791,978; Feb. 10.
Electric machine, Dynamo-. H. L. Smith. 1,799,071; Mar. 31.
Electric machine, Dynamo-. B. Teichmann. 1,801,124; Apr. 14.
Electric machine, Dynamo-. R. B. Williamson. 1,792,720; Feb. 17.
Electric-machine element, Dynamo. V. G. Apple. 1,796,422; Mar. 17.
Electric machine element, Dynamo. V. G. Apple. 1,826,295; Oct. 6.
Electric machine having ventilation features, Rotary. P. Suter. 1,820,404; Aug. 25.
Electric machine, Magneto. E. Morel. 1,810,844; June 16.
Electric machine member, Dynamo. V. G. Apple. 1,826,296; Oct. 6.
Electric machine winding, Dynamo. D. D. Chase. 1,815,832; July 21.
Electric machine winding, Dynamo. F. W. Gay. 1,832,700; Nov. 17.
Electric machine with improved cooling system, Dynamo. V. G. Apple. 1,808,751; June 9.
Electric machine with improved cooling system, Dynamo. V. G. Apple. 1,830,457; Nov. 3.
Electric machines, Brush carriage for. W. N. Sewell. 1,797,483; Mar. 24.
Electric machines, Brush shifting device for alternating current dynamo. J. I. Hull. 1,818,803; Aug. 11.
Electric machines, Field control for. J. J. Kennedy and C. W. Dake. 1,813,496; July 7.
Electric machines, Making dynamo-. A. P. Wood. 1,801,130; Apr. 14.
Electric machines, Operation of alternating current dynamo. J. I. Hull. 1,831,564; Nov. 10.
Electric machines, Protecting and cooling means for dynamo. A. W. Siler. 1,794,649; Mar. 3.
Electric machines, Starting arrangement for dynamo-. H. A. McCrea. 1,796,210; Mar. 10.
Electric machines, Starting arrangement for dynamo-. H. T. Seeley. 1,796,220; Mar. 10.
Electric meter. P. S. Bauer. 1,820,212; Aug. 25.

Electric meter. J. H. Miller. 1,794,117; Feb. 24.
Electric meter system. J. C. McDonald. 1,818,929; Aug. 11.
Electric meter, Thermal. L. A. Paine. 1,811,244; June 23.
Electric mixer. C. F. Warrick. 1,803,446; May 5.
Electric mixer, Automatic. A. M. Snider. 1,814,974; July 14.
Electric motor. C. D. Baisch. 1,793,834; Feb. 24.
Electric motor. A. Boitel. 1,796,556; Mar. 17.
Electric motor. Z. C. Bradford. 1,814,237; July 14.
Electric motor. W. A. Chryst. 1,814,243; July 14.
Electric motor. R. W. H. H. Crull. 1,798,312; Mar. 31.
Electric motor. V. J. Defays and P. J. Lefebvre. 1,809,512; June 9.
Electric motor. A. E. Doman. 1,821,911; Sept. 1.
Electric motor. C. P. Eisenhauer. 1,835,029; Dec. 8.
Electric motor. J. A. Hanley. 1,828,895; Oct. 27.
Electric motor. E. Huber. 1,794,459; Mar. 3.
Electric motor. J. Lanz. 1,796,292; Mar. 17.
Electric motor. R. Lee. 1,801,674; Apr. 21.
Electric motor. V. Luis. 1,792,022; Feb. 10.
Electric motor. O. C. Martin. 1,824,909; Sept. 29.
Electric motor. J. McCracken. 1,814,945; July 14.
Electric motor. A. E. Oswald. 1,799,925; Apr. 7.
Electric motor. A. E. Oswald. 1,821,071; Sept. 1.
Electric motor. A. E. Oswald. 1,829,872; Nov. 3.
Electric motor. K. Perkins. 1,822,859; Sept. 8.
Electric motor. W. H. Pugsley. 1,835,811; Dec. 8.
Electric motor. A. E. Rittenhouse. 1,827,690; Oct. 13.
Electric motor. J. A. Rodgers. 1,796,623; Mar. 17.
Electric motor. S. Ruben. 1,833,914; Dec. 1.
Electric motor. J. T. Sibley. 1,791,149; Feb. 3.
Electric motor. D. G. Smellie, M. F. Lowry, and B. C. Becker. 1,793,258; Feb. 17.
Electric motor. K. von Dreger. 1,801,183; Apr. 14.
Electric motor. R. H. Whitehead and W. E. Porter. 1,830,727; Nov. 3.
Electric motor. H. L. Zabriskie and D. H. Chason. 1,817,597; Aug. 4.
Electric motor control system. L. A. Carver. 1,821,205; Sept. 1.
Electric motor control, System of. F. J. Champlin. 1,804,317; May 5.
Electric-motor housing and stand. A. E. Meyer. Des. 83,636; Mar. 10.
Electric motor, Oscillating. L. A. M. Phelan. 1,838,152; Dec. 29,
Electric motor, Oscillating. J. Whalen. 1,835,832; Dec. 8.
Electric motor, Self cooled. A. G. Sutcliffe. 1,816,920; Aug. 4.
Electric motor, Vertical. T. G. Myers. Des. 84,049; Apr. 28.
Electric motors, Controller for. C. T. Evans. 1,801,598; Apr. 21.
Electric necktie restorer. D. M. Benford. 1,817,731; Aug. 4.
Electric oscillation into mechanical vibration, Device for converting. G. Holst, A. T. van Urk, and R. Vermeulen. 1,820,943; Sept. 1.
Electric oscillations. Apparatus for amplifying. L. M. Hull. 1,794,230; Feb. 24.
Electric phonograph motor. J. M. Naul. 1,823,555; Sept. 15.
Electric pick-up. W. H. Schimpf. 1,817,021; Aug. 4.
Electric pickup device. S. McClatchie. 1,835,072; Dec. 8.
Electric plate, Piezo. A. Hund. 1,822,926; Sept. 15.
Electric plug. H. G. Aletter. 1,802,230; Apr. 21.
Electric plug. F. Kuhn and L. H. Thomas. 1,821,553; Sept. 1.
Electric power distributing system. T. A. Bryson. 1,802,751; Apr. 28.
Electric power, Method and apparatus for converting. L. A. Hazeltine. 1,803,184; Apr. 28.
Electric power system. T. F. Barton. 1,815,824; July 21.
Electric power system. W. B. Skinkle. 1,824,692; Sept. 22
Electric press. W. F. Hendry. 1,838,677; Dec. 29.
Electric process of reducing ores. A. E. Greene. 1,819,238; Aug. 18.
Electric quantities, Method of and apparatus for measuring the active components of. M. Osnos. 1,809,062; June 9.
Electric regulation system. W. Bock and K. Rath. 1,807,190; May 26.
Electric relay apparatus. K. Landsmann. 1,798,687; Mar. 31.
Electric resistance device. H. Pender. 1,832,419; Nov. 17.
Electric resistance furnace. W. J. Millar. 1,832,872; Nov. 24.
Electric resistance heating, Apparatus for. O. E. Andrus. 1,834,483; Dec. 1.
Electric resistance, Tubular. J. G. Bassière. 1,792,352; Feb. 10.
Electric resistor. F. S. Smith. 1,790,173; Jan. 27.
Electric self-winding device. U. Tokumi. 1,800,486; Apr. 14.
Electric separator, Self freeing. W. E. Winchester. 1,822,074; Sept. 8.
Electric signal. R. W. Day. 1,836,462; Dec. 15.
Electric signaling. M. Latour. 1,834,408; Dec. 1.
Electric signaling apparatus. B. Ames. 1,804,195; May 5.
Electric snap switch. G. J. Meuer. 1,818,569; Aug. 11.
Electric snap switch. R. A. Millermaster. 1,796,854; Mar. 17.
Electric snap switch. W. Wurdack, jr. 1,814,777; July 14.
Electric star. J. E. Christastie. 1,792,676; Feb. 17.
Electric starting and braking motors, Control mechanism for. V. G. Apple. 1,808,095; June 2.
Electric surge recorder. R. Tanberg. 1,805,195; May 12.
Electric switch. C. D. Ainsworth. 1,837,805; Dec. 22.
Electric switch. J. A. Amos. 1,820,339; Aug. 25
Electric switch. R. C. Angell. 1,838,983; Dec. 29.
Electric switch. W. A. Atwood. 1,793,300; Feb. 17.
Electric switch. J. E. Bancroft. 1,819,061; Aug. 18.
Electric switch. J. M. Barr. 1,793,989; Feb. 24.
Electric switch. W. J. Bauroth. 1,811,294; June 23.
Electric switch. H. N. Beebe. 1,803,163; Apr. 28.
Electric switch. L. F. Blume and J. X. Mathieu. 1,796,076; Mar. 10.
Electric switch. A. J. Bowie. 1,809,232; June 9.
Electric switch. A. J. Bowie. 1,818,456; Aug. 11.
Electric switch. L. A. Brown. 1,787,664; Jan. 6.
Electric switch. G. A. Burnham. 1,839,083; Dec. 29.
Electric switch. C. F. Carpenter. 1,814,826; July 14.
Electric switch. J. A. Carson. 1,837,111; Dec. 15.
Electric switch. H. P. Chandler. 1,788,450; Jan. 13.
Electric switch. W. A. Chryst and H. E. Norviel. 1,814,242; July 14.
Electric switch. R. M. Critchfield. 1,801,589; Apr. 21.
Electric switch. F. C. De Reamer. 1,817,807; Aug. 4.
Electric switch. G. H. Derrick. 1,804,748; May 12.
Electric switch. H. C. Doane. 1,814,245; July 14.
Electric switch. F. Döring. 1,814,246; July 14.
Electric switch. H. A. Douglas. 1,789,462; Jan. 20.
Electric switch. H. A. Douglas. 1,826,509; Oct. 6.
Electric switch. W. S. Edsall. 1,789,520; Jan. 20.
Electric switch. W. S. Edsall. 1,811,665; June 23.
Electric switch. G. H. Elwell. 1,803,848–49; May 5.
Electric switch. G. H. Elwell. 1,808,534; June 2.
Electric switch. F. E. Fisher. 1,832,695; Nov. 17.
Electric switch. C. A. Fox. 1,817,244; Aug. 4.
Electric switch. A. C. Gaynor. 1,821,180; Sept. 1.
Electric switch. B. E. Getchell. 1,796,449; Mar. 17.
Electric switch. B. E. Getchell. 1,816,429; July 28.
Electric switch. T. T. Greenwood. 1,794,682; Mar. 3.
Electric switch. T. T. Greenwood. 1,827,516; Oct. 13.
Electric switch. H. J. Hammerly. 1,807,526; May 26.
Electric switch. C. E. Hanny. 1,791,465; Feb. 3.
Electric switch. G. H. Hart. 1,789,586; Jan. 20.
Electric switch. G. H. Hart. 1,797,416; Mar. 24.
Electric switch. R. H. Haynes. 1,813,801; July 7.
Electric switch. J. D. Hilliard. 1,812,746; June 30.
Electric switch. A. Horst. 1,795,211; Mar. 3.
Electric switch. E. Ishimaru. 1,808,555; June 2.
Electric switch. G. A. Johnson. 1,810,482; June 16.
Electric switch. O. L. Johnson. 1,832,779; Nov. 17.
Electric switch. F. F. Konrad and E. W. Short. 1,788,349; Jan. 6.
Electric switch. I. R. Latta. 1,797,960; Mar. 24.
Electric switch. B. M. Loece. 1,817,155; Aug. 4.
Electric switch. G. Léopold. 1,812,157; June 30.
Electric switch. A. J. Macy. 1,832,869; Nov. 24.
Electric switch. F. Menzel. 1,820,361; Aug. 25.
Electric switch. G. J. Meuer. 1,799,920; Apr. 7.
Electric switch. G. J. Meuer. 1,812,410; June 30.
Electric switch. G. J. Meuer. 1,818,265; Aug. 11.
Electric switch. H. E. Miller. 1,832,721; Nov. 17.
Electric switch. W. C. Nagl. 1,796,612; Mar. 17.
Electric switch. W. F. Neubeck. 1,808,060; June 2.
Electric switch. H. E. Norviel. 1,789,708; Jan. 20.
Electric switch. H. E. Norviel. 1,798,752; Mar. 31.
Electric switch. H. E. Norviel. 1,801,610–11; Apr. 21.
Electric switch. H. E. Norviel. 1,825,414; Sept. 29.
Electric switch. W. E. Paul. 1,805,497; May 19.
Electric switch. J. G. Peterson. 1,815,633–5; July 21.
Electric switch. R. E. Schwarz and G. A. Matthews. 1,826,370; Oct. 6.
Electric switch. C. F. Schwennker. 1,801,114; Apr. 14.
Electric switch. H. A. Spahr. 1,810,931; June 23.
Electric switch. G. A. Stackhouse and E. C. Falls. 1,837,634; Dec. 22.
Electric switch. T. Stringer. 1,833,476; Nov. 24.
Electric switch. A. W. G. Tucker. 1,809,498; June 9.
Electric switch. J. W. Upp and W. K. Rankin. 1,816,799; July 28.
Electric switch. W. R. Walker. 1,831,936; Nov. 17.
Electric switch. F. J. Watts. 1,823,435; Sept. 15.
Electric switch. J. Whalen. 1,819,831; Aug. 18.
Electric switch. L. M. Wiley. 1,806,777; May 26.
Electric switch. C. W. Wood. 1,788,224; Jan. 6.
Electric switch. J. D. Wood. 1,798,389–90; Mar. 31.
Electric switch. J. D. Wood. 1,820,877; Aug. 25.
Electric switch, Accumulative. H. H. Puff. 1,831,545; Nov. 10.
Electric switch and arc extinguishing method. Talma T. Greenwood. 1,825,228; Sept. 29.
Electric switch and contact structure therefor. J. D. Wood. 1,820,876; Aug. 25.
Electric switch and terminal. J. D. Wood. 1,820,875; Aug. 25.
Electric switch, Double. G. A. Johnson. 1,799,099; Mar. 31.
Electric switch, Inclosed. D. T. Wadsworth. 1,788,215; Jan. 6.

Electric switch, Key operated. R. A. Millermaster and C. Petersen. 1,825,325; Sept. 29.
Electric switch, Pressure. F. C. Geiler. 1,820,063; Aug. 25.
Electric switch, Pressure actuated. F. E. Sperry. 1,809,642; June 9.
Electric switch, Time controlled. R. D. Delamere. 1,817,806; Aug. 4.
Electric switch, Time-controlled. H. L. Haynes. 1,794,851; Mar. 3.
Electric switch, Time controlled and operated. J. D. Hindley-Smith and S. H. Holmes. 1,836,778; Dec. 15.
Electric switch, Water-tight. N. Munthesen. 1,789,017; Jan. 13.
Electric switches, System of manufacture of. J. Sachs. 1,790,323; Jan. 27.
Electric Switching apparatus. W. Echweitzer. 1,804,063; May 5.
Electric switching installation. C. Thumin. 1,818,828; Aug. 11.
Electric switching station. H. J. H. Huber. 1,796,993; Mar. 17.
Electric synchronizing apparatus. T. R. Warren. 1,808,124; June 2.
Electric system. E. Dickey. 1,813,033; July 7.
Electric system for vehicles. A. H. Neuland. 1,820,861–4; Aug. 25.
Electric tachometer. E. F. Weston. 1,798,823; Mar. 31.
Electric terminal. A. Nyman. 1,824,834; Sept. 29.
Electric terminal. N. E. Rosenbeck. 1,798,812; Mar. 31.
Electric terminal. P. Sangals. 1,799,706; Apr. 7.
Electric terminal connecter. C. E. Hoover. 1,809,202; June 9.
Electric toaster. H. C. Le Vine. 1,820,885; Aug. 25.
Electric tool, Portable. O. P. Wodack. 1,803,307; Apr. 28.
Electric traction. A. M. Rossman. 1,828,949; Oct. 27.
Electric transformers, Core for. J. W. Swendsen. 1,797,807; Mar. 24.
Electric translating device. J. C. Benjamin. 1,836,569; Dec. 15.
Electric translating device, Piezo. A. A. Thomas. 1,831,829; Nov. 17.
Electric wall heater. H. G. Landis. 1,828,810; Oct. 27.
Electric wave generator. F. Gerth. 1,835,387; Dec. 8.
Electric wave limiting device. E. Peterson. 1,830,240; Nov. 3.
Electric waves, Production of. H. E. Hollmann. 1,803,528; May 5.
Electric waves, System for frequency, Translation of. R. A. Heising. 1,823,687; Sept. 15.
Electric welder. E. A. Hobart. 1,825,064; Sept. 29.
Electrical adapter device. V. F. Greaves and B. E. Eisenhour. 1,830,790; Nov. 10.
Electrical advertising apparatus. A. K. Krakau. 1,835,311; Dec. 8.
Electrical amplifier system. B. F. Miessner. 1,790,874; Feb. 3.
Electrical amplifying system. B. F. Miessner. 1,834,414; Dec. 1.
Electrical apparatus. G. A. Burnham. 1,798,364; Mar. 31.
Electrical apparatus. I. F. Byrnes. 1,808,524; June 2.
Electrical apparatus. C. B. Coates and C. J. Dresser. 1,819,148; Aug. 18.
Electrical apparatus. M. Cremer. 1,828,645; Oct. 20.
Electrical apparatus. O. H. Dicke. 1,834,447; Dec. 1.
Electrical apparatus. E. Dickey. 1,788,384; Jan. 13.
Electrical apparatus. E. Dickey. 1,830,462; Nov. 3.
Electrical apparatus. E. Dickey and F. F. Starr. 1,818,047; Aug. 11.
Electrical apparatus. L. O. Grondahl and D. G. Ackerly. 1,802,014; Apr. 21.
Electrical apparatus. J. M. Kendall. 1,833,750; Nov. 24.
Electrical apparatus. R. P. Lansing. 1,824,824; Sept. 29.
Electrical apparatus. O. E. Marvel. 1,807,994–5; June 2.
Electrical apparatus. G. W. Müller. 1,828,573; Oct. 20.
Electrical apparatus. L. A. M. Phelan. 1,826,571; Oct. 6.
Electrical apparatus. J. A. Proctor. 1,836,725; Dec. 15.
Electrical apparatus. J. C. Read. 1,794,246; Feb. 24.
Electrical apparatus. C. G. Smith. 1,838,458; Dec. 29.
Electrical apparatus. A. J. Sorensen. 1,787,550; Jan. 6.
Electrical apparatus. F. F. Starr. 1,837,297–8; Dec. 22.
Electrical apparatus. A. Vischer, jr. 1,824,972; Sept. 29.
Electrical apparatus. W. E. Wendt. 1,812,026; June 30.
Electrical apparatus. C. H. Zierdt. 1,804,663; May 12.
Electrical apparatus, Contact device for movable. A. Archangelsky and R. Goldberg. 1,828,917; Oct. 27.
Electrical apparatus, Cooling. E. B. Clarke. 1,802,754; Apr. 28.
Electrical apparatus for therapeutic and other purposes. E. J. Rose. 1,801,385; Apr. 21.
Electrical apparatus, High frequency. J. T. McLamore. 1,833,788; Nov. 24.
Electrical apparatus, High-frequency. R. C. Rasmussen. 1,793,248; Feb. 17.
Electrical apparatus, Incased. E. D. Treanor. 1,808,583; June 2.
Electrical apparatus, Insulation of. M. E. Fiene. 1,827,571; Oct. 13.
Electrical apparatus, Manufacture of. W. O. Hensgen. 1,837,962; Dec. 22.
Electrical apparatus, Producing. C. J. Calmus and J. H. Tomlin. 1,837,754; Dec. 22.
Electrical apparatus, Protecting. F. W. Peek, jr. 1,825,541; Sept. 29.
Electrical apparatus, Protection of. M. Buchkolz. 1,796,746; Mar. 17.
Electrical apparatus, Variable. G. F. Atwood. 1,805,229; May 12.
Electrical appliance. L. E. Hendee. 1,823,977; Sept. 22.
Electrical appliance. H. Mann. 1,797,007; Mar. 17.
Electrical axes in crystals, Determining. H. Eberhard. 1,817,181; Aug. 4.
Electrical cell and compartment structure. E. Rinehart, C. L. Day, and J. H. McManus. 1,835,524; Dec. 8.
Electrical components, Indicating control means for variable. G. E. Condliffe. 1,800,210; Apr. 14.
Electrical condenser. F. F. Dorsey. 1,801,591; Apr. 21.
Electrical condenser. E. Haefely. 1,821,803; Sept. 1.
Electrical conductor. D. H. Murphy. 1,798,486; Mar. 31.
Electrical connecter. M. Alden. 1,788,354; Jan. 6.
Electrical connecter. G. H. E. Berthold. 1,835,000; Dec. 8.
Electrical connecter. W. H. Harvey. 1,816,846; Aug. 4.
Electrical connecter. F. Hofbauer. 1,802,381; Apr. 28.
Electrical connecter. P. Kohloff. 1,790,101; Jan. 27.
Electrical connecter. P. F. Williams. 1,805,270; May 12.
Electrical connecters, Apparatus for making. L. E. Poole. 1,836,503; Dec. 15.
Electrical connecters, Process and apparatus for making. L. E. Poole. 1,836,500; Dec. 15.
Electrical connecting device. D. W. Johnson and A. H. Nero. 1,812,343; June 30.
Electrical connecting device. C. W. Wyman. 1,796,418; Mar. 17.
Electrical connecting device for electrical conductors. S. W. Borden. 1,805,754; May 19.
Electrical connecting element, Apparatus for producing. C. O. Knuuti. 1,801,278; Apr. 21.
Electrical connecting member. J. M. Aufiero. 1,808,335; June 2.
Electrical connection. E. E. Atwood. 1,835,688; Dec. 8.
Electrical connection and oil bath therefor. W. T. Runkle. 1,791,470; Feb. 3.
Electrical connection for submarines. F. V. Kolb. 1,816,435; July 28.
Electrical contact. F. Kuhn and L. H. Thomas. 1,797,581; Mar. 24.
Electrical contact. H. Rabezzana. 1,812,495; June 30.
Electrical contact device. T. Kobayakawa. 1,819,248; Aug. 18.
Electrical contact device. E. G. Lodge. 1,795,090; Mar. 3.
Electrical contact element and making same. M. C. Burr. 1,835,011; Dec. 8.
Electrical contact, Face plate for. C. A. Laise. 1,788,243; Jan. 6.
Electrical contact jaw. E. G. Johnson. 1,805,487; May 19.
Electrical contact terminal. C. F. W. Bates. 1,807,581; June 2.
Electrical contactor. J. E. Kuykendall. 1,814,448; July 14.
Electrical control apparatus. T. W. Ross and C. Ryder. 1,798,704; Mar. 31.
Electrical control, Apparatus for distant. M. B. Sleeper. 1,800,760; Apr. 14.
Electrical control means. F. Kacser. 1,834,786; Dec. 1.
Electrical control mechanism. H. Klotz. 1,815,152; July 21.
Electrical control system. E. D. Harrington. 1,799,097; Mar. 31.
Electrical control system. G. F. Harter. 1,836,797; Dec. 15.
Electrical control system. J. F. Peters. 1,819,260; Aug. 18.
Electrical control system and protective devices therefor. C. M. Green. 1,797,060; Mar. 17.
Electrical control system for refrigeration. F. G. Keyes. 1,829,403; Oct. 27.
Electrical-controller. C. A. Rasmussen. 1,813,544; July 7.
Electrical controller system. W. B. Churcher. 1,830,640; Nov. 3.
Electrical controlling apparatus. G. W. Baughman. 1,794,508; Mar. 3.
Electrical controlling apparatus. H. S. Young. 1,792,263; Feb. 10.
Electrical controlling apparatus. H. S. Young. 1,792,562; Feb. 17.
Electrical converter. P. H. Craig. 1,822,130; Sept. 8.
Electrical cooking appliance. W. A. Barnes. 1,804,196; May 5.
Electrical cooking machine. H. R. Mills. 1,839,112; Dec. 29.
Electrical coupling system. F. Cutting and J. L. Taylor. 1,817,294; Aug. 4.
Electrical currents, Method of and apparatus for the control of. J. M. Miller. 1,787,732; Jan. 6.
Electrical device. V. I. Cruser. 1,809,025; June 9.
Electrical device. E. E. Franz. 1,823,827; Sept. 15.
Electrical device. L. A. M. Phelan, and P. S. Bear. 1,826,572; Oct. 6.
Electrical device. F. W. Walton. 1,813,593; July 7.

Electrical device and making it, Wound. V. G. Apple. 1,796,421; Mar. 17.
Electrical device and making the same. O. S. Marckworth. 1,811,723; June 23.
Electrical device and making the same. O. S. Marckworth. 1,811,725; June 23.
Electrical device for marking paper. C. Korge. 1,795,564; Mar. 10.
Electrical devices and cover plates with multiple junction boxes, Assembling. R. H. Cunningham. 1,795,363; Mar. 10.
Electrical devices, Apparatus and method for testing. A. B. Du Mont. 1,814,437; July 14.
Electrical discharge apparatus. A. W. Hull. 1,790,152 Jan. 27.
Electrical-discharge device. W. F. Hendry. 1,789,626; Jan. 20.
Electrical discharge device. F. S. McCallough. 1,830,802; Nov. 10.
Electrical discharge device. D. M. Moore. 1,834,251; Dec. 1.
Electrical discharge device and method of operation. A. W. Hull. 1,790,153; Jan. 27.
Electrical distribution. J. Rah. 1,803,653; May 5.
Electrical distribution for controlling burners, System of. F. R. Wallace. 1, 816,451; July 28.
Electrical distribution system. T. A. E. Belt. 1,816,717; July 28.
Electrical distribution system. J. D. Wood. 1,790,193; Jan. 27.
Electrical distribution system and sectionalizing switch therefor. T. T. Greenwood. 1,794,683; Mar. 3.
Electrical distribution, System of. T. F. Barton. 1,815,823; July 21.
Electrical distribution, System of. W. F. Skeats. 1,834,807; Dec. 1.
Electrical distribution, System of. J. L. Woodbridge. 1,795,462; Mar. 10.
Electrical driving of spindles for spinning, twisting, doubling, winding, and analogous processes. E. C. Cope. 1,818,535; Aug. 11.
Electrical energy, Apparatus for amplifying. R. A. Bierwirth. 1,795,194; Mar. 3.
Electrical energy, Method and apparatus for transforming. R. Gunn. 1,821,181; Sept. 1.
Electrical equipment tester. J. E. Zeller. 1,834,990; Dec. 8.
Electrical fishing apparatus. J. E. Anderson. 1,838,981; Dec. 29.
Electrical fixture. W. A. Adams. 1,793,457; Feb. 24.
Electrical fixture and fan support. E. D. Davis and R. T. Payne. 1,824,708; Sept. 22.
Electrical fluctuations, System for recording. V. K. Zworykin. 1,802,747; Apr. 28.
Electrical flush plate. A. C. Gaynor. Des. 85,612; Nov. 24.
Electrical furnace. R. McKnight. 1,836,721; Dec. 15.
Electrical furnace. G. W. Woods. 1,830,686; Nov. 3.
Electrical fuses, Timing. H. Ruhlemann. 1,807,708; June 2.
Electrical generating system. C. A. Culver. 1,809,676; June 9.
Electrical generating system. E. X. Schmidt and W. O. Baer. 1,796,810; Mar. 17.
Electrical generating and switching system, Multi-phase. G. A. Burnham. 1,821,203; Sept. 1.
Electrical generator. C. W. Burger. 1,796,437; Mar. 17.
Electrical heater. C. D. Benedict. 1,813,270; July 7.
Electrical heater. R. Davies. 1,819,076; Aug. 18.
Electrical heater. O. D. Thorsness and D. R. Tower. 1,818,176; Aug. 11.
Electrical heater. F. E. Wolcott. 1,795,002; Mar. 3.
Electrical heating device. A. J. Kercher and W. W. Hicks. 1,835,602; Dec. 8.
Electrical heating elements, Producing. E. L. Wiegand. 1,809,089; June 9.
Electrical horology. J. Geisslinger. 1,826,066; Oct. 6.
Electrical illuminating apparatus. L. A. Ramsden. 1,809,181; June 9.
Electrical immersion heater. R. F. McCartney. 1,804,885; May 12.
Electrical impulse generator. R. H. Park. 1,802,183; Apr. 21.
Electrical indicating instrument. E. F. Bacon. 1,791,786; Feb. 10.
Electrical indicating instrument. H. B. Marvin and J. K. Leibing. 1,837,913; Dec. 22.
Electrical induction coil and manufacture thereof. G. B. Horn. 1,815,620; July 21.
Electrical instrument for measuring, indicating, and other purposes. W. M. Thornton. 1,787,879; Jan. 6.
Electrical instrument, Polyphase. V. Genkin. 1,806,392; May 19.
Electrical insulation. W. B. Wiegand. 1,822,072; Sept. 8.
Electrical lock. F. X. Schuhbauer and G. A. Niklas. 1,793,418; Feb. 17.
Electrical machine. T. Nilsson-Stig. 1,836,882; Dec. 15.
Electrical machine, Alternating current. M. Cornu. 1,823,089; Sept. 15.
Electrical make and break apparatus. W. Dorn and M. Handke. 1,836,654; Dec. 15.
Electrical meter. J. H. Morecroft. 1,836,934; Dec. 15.
Electrical method for observing objects in motion. C. B. Townsend. 1,801,466; Apr. 21.
Electrical method for the detection and separation of coins from substitutes. T. D. Bottome. 1,795,287; Mar. 10.
Electrical motor. A. C. Gilbert. 1,832,456; Nov. 17.
Electrical network. D. K. Gannett and M. Kirkwood. 1,801,342; Apr. 21.
Electrical network. W. V. B. Roberts. 1,802,738; Apr. 28.
Electrical operating means. V. G. Apple and H. B. Ohmer. 1,823,523; Sept. 15.
Electrical operating means. L. R. Le Tang. 1,814,563; July 14.
Electrical oscillations, Apparatus for and method of exciting. T. C. Rives. 1,805,187; May 12.
Electrical oscillations into mechanical movement, Converting. A. Meissner. 1,804,838; May 12.
Electrical outlet. W. Huppert. 1,818,804; Aug. 11.
Electrical plug connecter. A. H. Curtis. 1,818,926; Aug. 11.
Electrical precipitating apparatus. W. Hoss. 1,794,615; Mar. 3.
Electrical precipitation apparatus. K. I. Marshall. 1,813,306; July 7.
Electrical precipitation apparatus. H. V. Welch. 1,790,961; Feb. 3.
Electrical-precipitation apparatus. H. A. Wintermute and C. W. J. Hedberg. 1,798,964; Mar. 31.
Electrical precipitation, Apparatus for. W. Hoss. 1,794,616; Mar. 3.
Electrical precipitation, Method and apparatus for. G. H. Horne. 1,800,529; Apr. 14.
Electrical precipitator. R. Heinrich. 1,790,147; Jan. 27.
Electrical precipitator. C. Z. Rosecrans. 1,787,955; Jan. 6.
Electrical precipitator. H. A. Wintermute. 1,791,338; Feb. 3.
Electrical precipitator. H. A. Wintermute and C. W. J. Hedberg. 1,798,511; Mar. 31.
Electrical process and apparatus for the determination of the nature of geological formations traversed by drill holes. C. Schlumberger. 1,819,923; Aug. 18.
Electrical prospecting. E. E. Mueser. 1,791,933; Feb. 10.
Electrical protective system. P. H. Brace. 1,818,969; Aug. 18.
Electrical protective system. G. Kribs. 1,818,337; Aug. 11.
Electrical recorder. S. B. Williams. 1,835,737; Dec. 8.
Electrical recording. R. Serrell. 1,825,551; Sept. 29.
Electrical rectifiers, Manufacture of. D. G. Ackerly. 1,811,603; June 23.
Electrical Regulating system. F. Barz. 1,834,887; Dec. 1.
Electrical regulating system. E. J. Burnham. 1,816,713; July 28.
Electrical regulating system. F. A. Byles. 1,806,330; May 19.
Electrical regulating system. F. A. Byles. 1,824,704; Sept. 22.
Electrical regulating system. F. J. Champlin. 1,810,596; June 16.
Electrical regulating system. R. Dietze. 1,796,245; Mar. 10.
Electrical regulator. A. S. Fitz Gerald. 1,824,714; Sept. 22.
Electrical regulator. F. W. Merrill. 1,825,079; Sept. 29.
Electrical regulator. F. H. Winter. 1,788,222; Jan. 6.
Electrical regulator and regulating system. L. W. Thompson. 1,836,886; Dec. 15.
Electrical remote control system. H. Froger. 1,809,686; June 9.
Electrical remote control system. B. H. Leeson. 1,833,428; Nov. 24.
Electrical resistance composition. L. T. Work, E. S. Imes, and E. A. Everett. 1,818,184; Aug. 11.
Electrical resistance device. H. Pender. 1,828,577; Oct. 20.
Electrical resistance element and manufacturing the same. A. H. Heyroth. 1,787,749; Jan. 6.
Electrical resistance unit and producing the same. L. T. Richardson and E. M. Schmiel. 1,793,829; Feb. 24.
Electrical resistance, Variable. H. N. Hite. 1,793,090; Feb. 17.
Electrical resistances, Making. R. C. Benner and E. S. Capron. 1,814,583; July 14.
Electrical safety device. C. E. Stryker. 1,826,965; Oct. 13.
Electrical semipotentiometer. S. C. Horn. 1,791,563; Feb. 10.
Electrical separation of suspended material from gases, Apparatus for. A. P. Knight. 1,810,614; June 16.
Electrical-service installation. B. D. Horton. 1,792424; Feb. 10.
Electrical shutter. F. A. Pearson. 1,835,612; Dec. 8.
Electrical side slip feeler. J. F. Hartman. 1,817,141; Aug. 4.
Electrical signaling. R. M. Gilson. 1,827,786; Oct. 20.
Electrical signaling. H. A. Thompson. 1,827,829; Oct. 20.
Electrical slip-in connecter. T. Briegel. 1,787,774; Jan. 6.
Electrical sound producing device. J. S. High. 1,822,095; Sept. 8.
Electrical starting motor. V. G. Apple. 1,808,746; June 9.
Electrical striking mechanism for clocks. E. Jauch. 1,789,044; Jan. 13.
Electrical supply and filter system. B. F. Miessner. 1,788,342; Jan. 6.
Electrical switch. A. P. Ball. 1,811,251; June 23.

Electrical switch. A. P. Ball. 1,811,253; June 23.
Electrical switch. W. L. Butler, W. H. Fabrey, and J. Weber. 1,817,234; Aug. 4.
Electrical switch. W. E. Cox. 1,790,974; Feb. 3.
Electrical switch. H. B. Dwight. 1,836,708; Dec. 15.
Electrical switch. H. K. Krantz. 1,792,311; Feb. 10.
Electrical switch. H. E. Norviel. 1,798,751; Mar. 31.
Electrical switch. L. A. M. Phelan, and P. S. Bear. 1,826,570; Oct. 6.
Electrical switch. F. H. Prescott. 1,789,710; Jan. 20.
Electrical switch. L. Roebel. 1,827,765; Oct. 20.
Electrical switch. J. F. Seuffert. 1,795,148; Mar. 3.
Electrical switch. G. O. Wilms and F. F. Loock. 1,804,729; May 12.
Electrical switch gear. C. H. Hill. 1,821,804; Sept. 1.
Electrical switch, Lock actuated. M. W. Fassmann. 1,825,448; Sept. 29.
Electrical switching apparatus. H. O. Siegmund. 1,799,651; Apr. 7.
Electrical switching apparatus, Manufacturing. A. H. Adams. 1,806,188; May 19.
Electrical switching station. A. M. Rossman. 1,830,409; Nov. 3.
Electrical switching system. C. W. Hough. 1,813,929; July 14.
Electrical system. E. L. Chaffee and R. O. Chaffee. 1,832,096; Nov. 17.
Electrical system. W. E. Holland and W. H. Grimditch. 1,834,778; Dec. 1.
Electrical system. W. E. Holland and W. H. Grimditch. 1,837,125; Dec. 15.
Electrical system. E. W. Kellogg. 1,797,985; Mar. 24.
Electrical system. E. W. Kellogg. 1,820,809; Aug. 25.
Electrical system. G. W. Pierce. 1,789,496; Jan. 20.
Electrical system for producing musical tones. F. E. Miller. 1,791,319; Feb. 3.
Electrical system for voltage regulation. J. Kubler and A. Haller. 1,808,559; June 2.
Electrical systems, Apparatus for protection of polyphase. E. H. Frey. 1,823,733; Sept. 15.
Electrical testing. E. Bruce. 1,793,835; Feb. 24.
Electrical testing apparatus. G. F. Shotter. 1,815,217; July 21.
Electrical testing device. P. G. Krippner. 1,835,882; Dec. 8.
Electrical timing device. H. Rodanet. 1,828,202; Oct. 20.
Electrical transformer. F. H. Drake and W. D. Loughlin. 1,829,740; Nov. 3.
Electrical transformer. J. Kubler. 1,826,794; Oct. 13.
Electrical transformer and inductance coil. T. J. Scofield. 1,805,639; May 19.
Electrical translating apparatus. P. H. Crago. 1,825,221; Sept. 29.
Electrical translating apparatus. P. H. Dowling. 1,793,213; Feb. 17.
Electrical translating apparatus. P. H. Dowling. 1,812,202; June 30.
Electrical translating apparatus. P. H. Dowling. 1,835,209; Dec. 8.
Electrical translating apparatus. F. W. Lee. 1,797,268; Mar. 24.
Electrical translating apparatus. F. W. Lee. 1,815,516; July 21.
Electrical translating apparatus. B. E. O'Hagan. 1,799,636; Apr. 7.
Electrical translating apparatus. A. J. Sorensen. 1,824,577; Sept. 22.
Electrical transmission. L. C. Billotte. 1,829,781; Nov. 3.
Electrical transmission of vibrations. G. A. Tuininga. 1,838,886; Dec. 29.
Electrical transmission system. H. Whittle and L. B. Hilton. 1,798,243; Mar. 31.
Electrical transmitter. J. E. Jenkins and S. E. Adair. Des. 83,540; Mar. 3.
Electrical treater. H. F. Fisher. 1,838,926; Dec. 29.
Electrical treater having dry oil barrier supply. H. F. Fisher and W. Woelflin. 1,838,933; Dec. 29.
Electrical treater having elongated circulation path and edge effect. H. F. Fisher. 1,838,932; Dec. 29.
Electrical treater having elongated oil circulating path. H. F. Fisher. 1,838,934; Dec. 29.
Electrical treatment of gases containing corrosive material and mercury, Apparatus for. K. I. Marshall. 1,801,515; Apr. 21.
Electrical tube. I. C. Orswell. 1,823,373; Sept. 15.
Electrical tuning device. W. J. Adams, jr. 1,831,375; Nov. 10.
Electrical variations into sound variations, Device for transforming. F. W. Hehlgans. 1,814,801; July 14.
Electrical vibrations into sound waves, Converting. W. D. La Rue. 1,787,946; Jan. 6.
Electrical vibratory device such, for example, as a loud speaker. M. Trouton. 1,822,465; Sept. 8.
Electrical warming means or device for use with internal combustion engines to facilitate starting thereof. C. R. D. Groves. 1,805,040; May 12.
Electrical warp stop motion. A. A. Gordon. 1,832,542; Nov. 17.
Electrical warp stop motion. E. R. Holmes. 1,832,549; Nov. 17.
Electrical warp stop motion. C. R. Kronoff. 1,817,154; Aug. 4.
Electrical warp stop motion. J. Regan. 1,832,580; Nov. 17.
Electrical weft detector. E. R. Holmes. 1,834,312; Dec. 1.
Electrical winding. A. M. Wiggins. 1,834,114; Dec. 1.
Electrically controlled mechanism for detecting leaks in cylindrical cans or containers. H. A. Zuch. 1,826,589; Oct. 6.
Electrically heated apparatus for drying coffee and the like. C. Niëloud. 1,812,016; June 30.
Electrician's tape gripper. S. D. Dennis. 1,806,844; May 26.
Electricity meter. W. Beusch. 1,798,138; Mar. 31.
Electricity meter. A. L. Emens. 1,818,795; Aug. 11.
Electricity meter. F. Holmes. 1,834,779; Dec. 1.
Electricity meter. R. Pudelko and P. Moos. 1,829,367; Oct. 27.
Electricity to vehicles, Transmission of. C. Goodman. 1,788,572; Jan. 13.
Electrochemical converter. J. H. and J. J. Ritter. 1,810,295; June 16.
Electrode. W. B. Chapman and H. G. Fischer. 1,827,306; Oct. 13.
Electrode. J. W. D. Chesney. 1,838,741; Dec. 29.
Electrode. F. Hotchner. 1,789,901; Jan. 20.
Electrode. L. W. Laube. 1,827,292; Oct. 13.
Electrode. G. Pfeiderer. 1,818,579; Aug. 11.
Electrode. M. O. Sem. 1,836,880; Dec. 15.
Electrode. A. P. Strohmenger. 1,794,042; Feb. 24.
Electrode. W. R. Walker. 1,803,985; May 5.
Electrode and molding the same, Carbon. V. C. Doerschuk. Re18,062; May 5.
Electrode, Arc welding. J. M. Weed. 1,814,878; July 14.
Electrode arc welding, Metallic. H. D. Morton. 1,826,186; Oct. 6.
Electrode box. F. A. Ciraolo. 1,817,543; Aug. 4.
Electrode, Discharge tube. F. Hotchner. 1,820,392; Aug. 25.
Electrode for apparatus for electrolysis of water. J. N. Smith. 1,815,080; July 21.
Electrode for electric accumulators and manufacturing same. C. H. O. Lübeck. 1,802,435; Apr. 28.
Electrode for electric accumulators, Negative. A. Pouchain. 1,821,768; Sept. 1.
Electrode for electric furnaces. P. L. J. Miquet. 1,820,625; Aug. 25.
Electrode for electric welding. W. Richter. 1,806,952; May 26.
Electrode for electrical discharge devices. R. E. Miesse. 1,822,361; Sept. 8.
Electrode for electrical precipitation apparatus. E. Anderson. 1,793,665; Feb. 24.
Electrode for electrolytic. K. Roth. 1,790,248; Jan. 27.
Electrode for electrolytic apparatus. J. N. Smith. 1,797,375; Mar. 24.
Electrode for luminous tubes. A. E. Jacobsen. 1,832,212; Nov. 17.
Electrode for unipolar high-frequency curative treatment. E. Treibmann. 1,812,224; June 30.
Electrode, Gas and vacuum tube. H. Harase. 1,836,024; Dec. 15.
Electrode material. F. H. Driggs. 1,835,026; Dec. 8.
Electrode, Protected carbon. R. Suchy, K. Staile, and W. Moschel. 1,797,805; Mar. 24.
Electrode, Special design. S. G. Gassaway. 1,838,386; Dec. 29.
Electrode structure. F. S. McCullough. 1,820,396; Aug. 25.
Electrode structure. A. H. Staiger. 1,827,211; Oct. 13.
Electrode structure for discharge devices. C. Krämer. 1,797,958; Mar. 24.
Electrode support for dust precipitators. H. D. Salisbury. 1,798,761; Mar. 31.
Electrode support for oil burners, Air directing and ignition. C. W. Parker. 1,813,080; July 7.
Electrode supporting structure. R. Harding, jr. 1,822,732; Sept. 8.
Electrode treater, Single. H. C. Eddy. 1,838,915; Dec. 29.
Electrode, Welding. M. Lebrun and J. Brillié. 1,788,310; Jan. 6.
Electrode, Welding. H. Miller. 1,834,069; Dec. 1.
Electrode, Welding. J. G. Ritter. 1,794,983; Mar. 3.
Electrodes, Apparatus and process for the manufacture of vacuum tube. A. Loppacker. 1,809,206; June 9.
Electrodes, Apparatus for feeding electric furnace. J. G. Marshall. 1,827,852; Oct. 20.
Electrodes, Attaching external. E. Aba. 1,803,541; May 5.
Electrodes, Coating arc welding. S. S. Stewart. 1,806,128; May 19.
Electrodes for electric batteries, electrolytic cells and the like. L. A. Levy. 1,816,734; July 28.
Electrodes in electron-discharge devices, Supporting. H. W. Jones. 1,791,275; Feb. 3.
Electrodes in reversible electric furnaces, Regulating the. H. G. Flodin. 1,792,293; Feb. 10.
Electrodes, Making. H. N. Gilbert. 1,837,770; Dec. 22.
Electrodes, Making. H. J. Horn. 1,829,933; Nov. 3.
Electrodeposition, Apparatus for. C. E. Yates. 1,794,748; Mar. 3.
Electrodynamic device. H. R. Clarke. 1,838,027; Dec. 22.
Electrodynamic speaker. M. Smith. 1,808,149; June 2.
Electrodynamically controlled figure. R. F. Yates. Re18,239; Oct. 27.

Electrolysis. P. Fireman. 1,788,512; Jan. 13.
Electrolysis of metal chlorides, Apparatus for the fusion. R. Suchy, K Staib and W. Moschel. 1,818,173; Aug. 11.
Electrolyte. A. Georgiev. 1,815,768; July 21.
Electrolyte for electrolytic condensers. V. Yngve. 1,829,177–8; Oct. 27.
Electrolyte, Regenerative treatment of. T. Lewin. 1,800,457; Apr. 14.
Electrolytic action, Preventing. H. Christophersen. 1,798,305; Mar. 31.
Electrolytic apparatus. A. E. Knowles. 1,821,018; Sept. 1.
Electrolytic apparatus. F. Lawaczeck. 1,835,955; Dec. 8.
Electrolytic apparatus. R. D. Mershon and P. A. Ross. 1,817,200; Aug. 4.
Electrolytic apparatus. J. E. Noeggerath. 1,799,116; Mar. 31.
Electrolytic apparatus. J. N. Smith. 1,797,376; Mar. 24.
Electrolytic apparatus. K. Teufel. 1,831,934; Nov. 17.
Electrolytic apparatus, Operating. R. D. Mershon. 1,814,174; July 14.
Electrolytic cell. H. I. Allen and D. B. Ayerst. 1,798,575; Mar. 31.
Electrolytic cell. A. Georgiev. 1,789,949; Jan. 20.
Electrolytic cell. C. W. Marsh. 1,828,872; Oct. 27.
Electrolytic cell. R. B. Robertson. 1,838,572; Dec. 29.
Electrolytic cell. C. Roth. 1,793,136; Feb. 17.
Electrolytic cell. J. N. Smith. 1,797,377; Mar. 24.
Electrolytic cell. J. N. Smith. 1,815,078–9; July 21.
Electrolytic cell curtain. L. E. Ward. 1,828,004; Oct. 20.
Electrolytic cell for decomposing water. A. E. Zdanski. 1,788,904; Jan. 13.
Electrolytic deposits, Production of. H. Schmidt, G. Erlwein, and M. Hosenfeld. 1,795,512; Mar. 10.
Electrolytic device. H. O. Siegmund. 1,816,875; Aug. 4.
Electrolytic method and apparatus. R. A. Wilkins. 1,820,204; Aug. 25.
Electrolytic process and apparatus. G. Baum. 1,837,177; Dec. 15.
Electrolytic process for the manufacture of magnesium and the alkaline earth metals, such as calcium, by the electrolysis of molten chlorides, and apparatus for carrying the said process into effect. A. Jessup. 1,833,425; Nov. 24.
Electrolytic production of sterilizing agents, germicides, and the like. E. B. Higgins. 1,806,801; May 26.
Electrolytic rectifier. F. G. Beetem. 1,816,038; July 28.
Electrolytic rectifiers in series, Using. E. W. Engle. 1,810,395; June 16.
Electrolytic refining of metallic aluminum. W. D. Treadwell. 1,816,364; July 28.
Electrolytic system for the protection of condensers. A. Kirkaldy. 1,816,487; July 28.
Electrolytically formed article. B. Bart. 1,807,145; May 26.
Electromagnet. M. L. Jeffrey, T. H. Eickhoff, and F. D. Sanborn, jr. 1,838,836; Dec. 29.
Electromagnet. B. N. Sokoloff. 1,817,592; Aug. 4.
Electromagnet. P. P. Sosinski. 1,825,482; Sept. 29.
Electromagnet and voltage divider. F. Cutting. 1,792,077; Feb. 10.
Electromagnetic apparatus. T. J. O'Meara and N. C. Shaw. 1,792,318; Feb. 10.
Electromagnetic coupling device. A. H. Cooper. 1,833,316; Nov. 24.
Electromagnetic device. F. J. Bullivant and F. A. Miller. 1,802,371; Apr. 28.
Electromagnetic device. R. E. H. Carpenter. 1,826,990; Oct. 13.
Electromagnetic device. W. C. Jones. 1,816,906; Aug. 4.
Electromagnetic device. E. W. Kellogg. 1,824,724; Sept. 22.
Electromagnetic device. P. E. Klopsteg. 1,838,146; Dec. 29.
Electromagnetic device. D. W. Mathison. 1,795,498; Mar. 10.
Electromagnetic device. J. W. McNairy and J. F. Tritle. 1,837,977; Dec. 22.
Electromagnetic device. H. O. Siegmund. 1,792,512; Feb. 17.
Electromagnetic device. P. P. Zimmerman. 1,818,596; Aug. 11.
Electromagnetic device. F. A. Zupa. 1,816,558; July 28.
Electromagnetic instrument. A. A. Thomas. 1,792,554; Feb. 17.
Electromagnetic instrument. A. A. Thomas. 1,804,961; May 12.
Electromagnetic light-modulating device. O. O. Ceccarini. 1,794,513; Mar. 3.
Electro-magnetic mechanism, Rotary. W. S. Roberts and J. H. Burton. 1,832,583; Nov. 17.
Electromagnetic oscillator. M. P. McCarty. 1,813,630; July 7.
Electromagnetic pick-up. S. McClatchie. 1,830,800; Nov. 10.
Electromagnetic pick-up. H. P. Donle. 1,797,197; Mar. 17.
Electromagnetic reciprocating mechanism. H. H. Cobe. 1,804,376; May 5.
Electromagnetic reproducer. O. B. Parker. 1,795,263; Mar. 3.
Electromagnetic selector device. C. W. Somersgale and J. A. Belile. 1,805,021; May 12.
Electromagnetic switch. F. J. Callingham. 1,832,477; Nov. 17.
Electromagnetic switch. C. H. Hodgkins. 1,820,702; Aug. 25.
Electromagnetic unit for acoustic instruments. W. Hassel. 1,830,433; Nov. 3.
Electromagnetic wave explorer. R. W. Deardorff. 1,838,371; Dec. 29.
Electromagnetically-operable mechanism. T. A. Robley. 1,800,906; Apr. 14.
Electromagnetically operated switch. P. Trombetta. 1,831,582; Nov. 10.
Electromassaging pulsating machine. H. W. Kays. 1,789,758; Jan. 20.
Electro-mechanical resonating device. M. Chirol. 1,834,681; Dec. 1.
Electromechanical translating device. G. B. Crouse. and V. L. Osgood. 1,833,070; Nov. 24.
Electro-mechanism for operating safety razors. A. A. Grothe. 1,834,096; Dec. 1.
Electromedical apparatus. M. Smart. 1,827,045; Oct. 13.
Electron discharge apparatus. B. F. Miessner. 1,834,131; Dec. 1.
Electron-discharge apparatus. D. A. Mullaney. 1,794,315; Feb. 24.
Electron-discharge device. W. F. Hendry. 1,799,850; Apr. 7.
Electron discharge device. F. W. Hochsetter. 1,803,850; May 5.
Electron discharge device. F. L. Hunter, jr., and S. W. Crowley. 1,835,051; Dec. 8.
Electron discharge device. I. Langmuir. 1,816,682; July 28.
Electron-discharge device. A. Mavrogenis. 1,789,186; Jan. 13.
Electron discharge device. G. A. McNeill. 1,816,601; July 28.
Electron discharge device. S. Scognamillo and P. Arndt. 1,820,836; Aug. 25.
Electron discharge device and fabricating the same. K. H. Kingdon. 1,814,711; July 14.
Electron discharge tube. G. Holst. 1,811,051; June 23.
Electron discharge tube. G. Holst and P. R. Dijksterhuis. 1,837,437; Dec. 22.
Electron discharge tube. S. Ruben. 1,828,203; Oct. 20.
Electron discharge tube actuating means. R. D. Duncan, jr. 1,834,943; Dec. 8.
Electron-emission device. J. W. Marden. 1,795,730; Mar. 10.
Electron emission devices, Making. J. W. Marden. 1,838,776; Dec. 29.
Electron-emission element. S. Ruben. 1,799,645; Apr. 7.
Electron-emission material. J. W. Marden and H. C. Rentschler. 1,787,694; Jan. 6.
Electron emissive materials. F. Meyer and H. J. Spanner. 1,817,636; Aug. 4.
Electron emitter. H. T. Reeve. 1,829,810; Nov. 3.
Electron emitting bodies, Manufacture of. E. Y. Robinson. 1,836,990; Dec. 15.
Electron emitting device and method of making. D. MacRae. 1,812,103; June 30.
Electron tube. R. G. Berthold and R. Strigel. 1,815,229; July 21.
Electron tube. A. Krüger. 1,812,489; June 30.
Electron tube. W. J. Winninghoff. 1,799,345; Apr. 7.
Electron tube apparatus. L. A. Gebhard and C. F. Rudolph. 1,814,376; July 14.
Electron tube energizing method and apparatus. B. F. Miessner. 1,806,813; May 26.
Electron tubes, Energizing. D. F. Whiting. 1,799,189; Apr. 7.
Electronic tube. G. Sperti, and L. M. Alexander. 1,790,286; Jan. 27.
Electrooptic cell. N. Deisch. 1,825,340; Sept. 29.
Electrooptical system. F. Gray. 1,803,700; May 5.
Electrooptical system. R. V. L. Hartley. 1,808,137; June 2.
Electrooptical system. H. Nyquist. 1,788,470; Jan. 13.
Electrooptical transmission. H. E. Ives. 1,796,931; Mar. 17.
Electrooptical transmission system. F. Gray. 1,812,402; June 30.
Electrooptical transmission system. H. E. Ives. 1,812,405; June 30.
Electrooptical translation system. C. H. W. Nason. 1,828,875; Oct. 27.
Electroplating. G. Lutz and L. R. Westbrook. 1,818,229; Aug. 11.
Electroplating. L. R. Westbrook. 1,818,179; Aug. 11.
Electroplating. L. R. Westbrook. 1,826,159; Oct. 6.
Electroplating and electroplating apparatus. J. A. Smith. 1,819,130; Aug. 18.
Electroplating and product thereof. K. D. Robinson. 1,807,875; June 2.
Electroplating apparatus. T. A. Edison. 1,836,066; Dec. 15.
Electroplating apparatus. C. G. Fink and C. H. Eldridge. 1,838,666; Dec. 29.
Electroplating apparatus. C. H. Hansen. 1,795,336; Mar. 10.
Electroplating apparatus. J. W. Hughes. 1,819,603; Aug. 18.
Electroplating apparatus. A. F. W. Thorman. 1,811,409; June 23.

Electroplating apparatus. J. J. Whalin. 1,798,994; Mar. 31.
Electroplating device. P. J. F. Batenburg and C. J. Atkinson. 1,787,431; Jan. 6.
Electroplating machine. C. H. Jording. 1,793,551; Feb. 24.
Electroplating machine. E. S. Thompson. 1,790,209; Jan. 27.
Electroplating, Method and machine for. J. W. Hughes. 1,807,157; May 26.
Electroplating, Process and apparatus for. K. W. Schwartz. 1,794,487; Mar. 3.
Electropneumatic action for the operation and control of musical instruments. E. R. Adams, V. A. H. Weber and D. H. Smith. 1,823,775; Sept. 15.
Electropneumatic brake. J. N. Good. 1,837,29; Dec. 22.
Electroresponsive apparatus. L. L. Nettleton. 1,789,907; Jan. 20.
Electroresponsive device. E. F. Carter. 1,819,868; Aug. 18.
Electroresponsive device. L. A. Trofimov. 1,810,306; June 16.
Electroresponsive device and system. J. W. McNairy. 1,824,728; Sept. 22.
Electroresponsive devices, Control of. R. Paxton. 1,812,754; June 30.
Electroresponsively controlled mechanism. J. Sachs. 1,812,845; June 30.
Electroscope. R. Barton. 1,815,606; July 21.
Electroscopic testing device. C. H. Hackländer. 1,799,540; Jan. 27.
Electrostatic reproducer. J. J. Steedle. 1,809,754; June 9.
Electrostatical vibration structure. E. Klar. 1,813,855; July 7.
Electrosurgical apparatus. W. T. Bovie. 1,813,902; July 14.
Electro-surgical instrument and control. D. E. Roberts. 1,812,608; June 30.
Electrotherapeutical device. C. W. Carpenter. 1,805,904; May 19.
Electro-tube apparatus. H. W. Houck. 1,797,205; Mar. 17.
Elements for coating in mass production, Device for assembling. A. F. Nicolai. 1,838,701; Dec. 29.
Elevating and stacking apparatus. R. W. Tomlinson. 1,789,917; Jan. 20.
Elevating device. M. S. Carmichael. 1,828,488; Oct. 20.
Elevator: *See*—

Automatic vertical elevator.	Package elevator.
Bucket elevator.	Portable elevator.
Casing elevator.	Rod elevator.
Dental chair elevator.	Sand elevator.
Dental elevator.	Silo elevator.
Door elevator.	Slip elevator.
Garage elevator.	Slip-ring elevator.
Hydraulic elevator.	Slip-type elevator.
Inclined elevator.	Sucker-rod elevator.
Liquid elevator.	Tray elevator.
Marine elevator.	Water elevator.
Multiple car elevator.	

Elevator. M. S. Carmichael. 1,827,068; Oct. 13.
Elevator. J. G. Fitzpatrick and R. W. Flint. 1,804,758; May 12.
Elevator. S. M. Halstead, A. I. Wicland, and W. C. Tustin. 1,815,907; July 28.
Elevator. H. L. Hartburg. 1,794,456; Mar. 3.
Elevator. G. R. Hunt. 1,787,578; Jan. 6.
Elevator. J. R. Jackson, jr. 1,836,972; Dec. 15.
Elevator. A. T. Munns. 1,817,418; Aug. 4.
Elevator. N. Peebles. 1,814,407; July 14.
Elevator. N. K. Smith. 1,834,429; Dec. 1.
Elevator. N. K. Smith. 1,835,348; Dec. 8.
Elevator. C. E. Wilcox. 1,806,776; May 26.
Elevator. C. E. Wilcox. 1,816,030; July 28.
Elevator and saw, Combined. H. J. H. Duensing. 1,809,193; June 9.
Elevator brake. V. J. Whitney. 1,834,440; Dec. 1.
Elevator cab. A. J. Stegeman. Des. 84,604; July 7.
Elevator construction. J. E. W. Fogal. 1,834,610; Dec. 1.
Elevator construction. H. E. Hall. 1,810,960; June 23.
Elevator construction. R. W. Makutchan. 1,826,357; Oct. 6.
Elevator-control device. F. L. Ohler. 1,797,512; Mar. 24.
Elevator control system. M. Baruch. 1,819,454; Aug. 18.
Elevator control system. E. M. Bouton. 1,829,470; Oct. 27.
Elevator control system. W. F. Eames. 1,805,208; May 12.
Elevator control system. W. F. Eames. 1,817,509; Aug. 4.
Elevator control system. G. W. Lautrup and G. N. Crabbe. 1,829,524; Oct. 27.
Elevator control system. H. W. Mattingley. 1,827,796; Oct. 20.
Elevator control system. H. W. Williams. 1,824,856; Sept. 29.
Elevator control system, Automatic. E. L. Gale. 1,832,454; Nov. 17.
Elevator control system, Express-local. F. E. Lewis. 1,793,497; Feb. 24.
Elevator dispatching system. C. W. Bassett. 1,807,612; June 2.
Elevator element. G. E. Stevenson. 1,803,367; May 5.
Elevator for boats with constant draft. A. Hoguenin. 1,795,398; Mar. 10.
Elevator for fire ladders, Safety. M. Honig. 1,794,175; Feb. 24.
Elevator for pit silos, Ensilage. F. Zwink. 1,787,651; Jan. 6.
Elevator for sucker rods, tubing, etc. D. R. Dale. 1,796,779; Mar. 17.
Elevator grain distributor. C. B. Read. 1,831,196; Nov. 10.
Elevator guide. G. Currie. 1,834,385; Dec. 1.
Elevator link, Weldless. G. W. Moore. 1,810,978; June 23.
Elevator lubricator. E. R. McKinzie. 1,812,540; June 30.
Elevator safety apparatus. A. Marks. 1,803,762; May 5.
Elevator safety device. W. H. Mechling. 1,798,165; Mar. 31.
Elevator safety system. D. L. Lindquist. 1,789,008; Jan. 13.
Elevator signal. L. J. Kinnard. 1,819,247; Aug. 18.
Elevator signaling system. R. H. Gaylord. 1,837,215; Dec. 22.
Elevator system. J. N. Anderson. 1,837,643; Dec. 22.
Elevator system and control, Dual. F. J. Sprague. Re18,095; June 9.
Elevators, Loading and unloading mechanism for. F. Waechter. 1,829,317; Oct. 27.
Elevators, Safety device for. A. H. Wilson. 1,797,034; Mar. 17.
Eliminator. H. N. Middleton. 1,806,535; May 19.
Eliminator, Lateral. J. J. Keck and E. E. Kelley. 1,811,721; June 23.
Ellipsograph. A. Dietrich. 1,825,444; Sept. 29.
Ellipsograph. R. E. Mann. 1,837,912; Dec. 22.
Emasculating device. J. A. Owens. 1,797,017; Mar. 17.
Emasculatome. J. E. Swaim and F. Lane. 1,838,012; Dec. 22.
Embalming implement. A. Clapp. 1,825,993; Oct. 6.
Embankment for roads, railroads, and the like. L. H. Pöpke. 1,791,840; Feb. 10.
Emblem. J. Bloom. Des. 84,972; Sept. 1.
Emblem. H. J. Harvey. Des. 85,097; Sept. 15.
Emblem or similar article. A. E. Gardner. Des. 83,797; Mar. 31.
Emblem plate or similar article. M. Kupferstok. Des. 84,990; Sept. 1.
Emblem, Salesman's commercial buttonhole. E. Solomon. Des. 85,261; Sept. 29.
Embossed glassine paper. E. H. Scheele. Des. 85,549; Nov. 10.
Embossed work, Process and apparatus for inking. M. W. Canfield. Re18,197; Sept. 15.
Embossing and like press. W. H. Brecknell. 1,800,245; Apr. 14.
Embossing and printing press. W. C. Fellows. 1,825,945; Oct. 6.
Embossing, Apparatus for. C. E. Dilkes. 1,792,364; Feb. 10.
Embossing machine. S. S. Adams. 1,831,434; Nov. 10.
Embossing machine. M. A. G. Luedtke and H. Hoffmann. 1,823,110; Sept. 15.
Embossing machine. W. J. Pannier, jr., and O. M. Pannier. 1,789,831; Jan. 20.
Embossing machine. W. J. Pannier, jr., and O. M. Pannier. 1,820,760; Aug. 25.
Embossing machine, Curtain-pole. C. W. Kirsch and A. A. Allen. 1,800,351; Apr. 14.
Embossing or stamping machine, Attachment to. F. Williams. 1,827,550; Oct. 13.
Embroidered textile fabric or a similar article. E. W. Freudenberg. Des. 84,814–26; Aug. 11.
Embroidering machine. W. Myers. 1,791,321; Feb. 3.
Embroidery. J. Krusi. Des. 85,480; Nov. 3.
Embroidery machine. C. Muentener and P. Helbig. 1,823,911; Sept. 22.
Emergency box. A. and J. Prucha. 1,839,051; Dec. 29.
Emergency lock. H. C. W. Johnson. 1,795,283; Mar. 3.
Emergency relief with remote control. A. T. Dudley. 1,811,351; June 23.
Emulsifying agent. K. Dobmaier. 1,822,957; Sept. 15.
Emulsifying agent. F. Guenther, F. Teller, C. Immerheiser, and B. Zschimmer. 1,802,174; Apr. 21.
Emulsifying agents, etc. B. Barnes. 1,830,502; Nov. 3.
Emulsifying apparatus. R. H. Hargreaves. 1,809,033; June 9.
Emulsifying device. F. E. Le Baron. 1,799,051; Mar. 31.
Emulsion. F. W. Atack. 1,812,074; June 30.
Emulsion and process, Colloidal. T. Whittelsey. 1,793,983; Feb. 24.
Emulsion and process therefor. H. L. Symons. 1,807,808; June 2.
Emulsion composition. R. Cross. 1,788,706; Jan. 13.
Emulsion, Inverting the phase of an. H. F. Fisher. 1,838,379; Dec. 29.
Emulsion suitable for wood preservation and process of wood preservation and product thereof. A. Fisher. 1,824,428; Sept. 22.
Emulsion treater. S. G. Gassaway. 1,838,822; Dec. 29.
Emulsion treater. W. F. Van Loenen. 1,838,889; Dec. 29.
Emulsion treater having central cylindrical live electrodes. L. Lawrason. 1,838,850; Dec. 29.
Emulsion with alternating current, Method of and apparatus for treating. C. W. Girvin. 1,838,938; Dec. 29.
Emulsions and producing same, Bituminous. L. Kirschbraun. 1,832,987; Nov. 24.

Emulsions, Apparatus for making. S. B. Drucker. 1,822,275; Sept. 8.
Emulsions, Apparatus for making. M. G. Gregg. 1,789,897; Jan. 20.
Emulsions, Apparatus for making aqueous bituminous. L. Kirschbraun and F. C. Overbury. 1,804,562; May 12.
Emulsions, Apparatus for preparing. R. Auerbach. 1,790,967; Feb. 3.
Emulsions, Making aqueous bituminous. L. Kirschbraun and F. C. Overbury. 1,829,722; Oct. 27.
Emulsions, Making bituminous. L. R. MacKenzie. 1,795,226; Mar. 3.
Emulsions, Method of and apparatus for dehydrating. L. Lawrason. 1,838,848; Dec. 29.
Emulsions of solid in fat, and product thereof, Preparing edible. L. B. Esmond and W. W. Duecker. 1,800,985–7; Apr. 14.
Emulsions, Producing. H. Schrader. 1,826,900; Oct. 13.
Emulsions, Separating. F. R. Moser. 1,788,684; Jan. 13.
Emulsions suitable for wood preservation and process of wood preservation and product thereof. A. Fisher. 1,836,530; Dec. 15.
Emulsions, Treatment of oil and water. C. A. Myers. 1,837,130; Dec. 15.
Emulsions, Treating oil-water. J. C. Walker. 1,829,205; Oct. 27.
Enamel. J. L. Keats. 1,816,330; July 28.
Enamel and applying the same, Wall-board. J. W. Cowell. 1,793,437; Feb. 17.
Enamel and making same. G. Witty. 1,823,480; Sept. 15.
Enamel containing barium and strontium compounds and for the enameling of metals. L. E. Migeot. 1,833,087; Nov. 24.
Enamel ware. O. Hommel. 1,805,143; May 12.
Enamel ware, Making. O. Hommel. 1,819,816; Aug. 18.
Enameled boiler, Interiorly. A. L. Dunham. 1,807,394; May 26.
Enameling articles, Apparatus for. J. C. Cromwell. 1,792,284; Feb. 10.
Enclosed fuse switch. J. Sachs. 1,821,671; Sept. 1.
Enclosure. A. F. Bemis. 1,803,091; Apr. 28.
End cap for tubular packages. B. Cushing. 1,809,267; June 9.
End closure structure for truck bodies. S. E. Travis, jr. 1,820,850; Aug. 25.
End construction for tie rods or the like. G. H. Hufferd. 1,824,271; Sept. 22.
End gate. J. A. Lett. 1,830,280; Nov. 3.
End gate. A. Mahannah. 1,836,377; Dec. 15.
End gate for trucks and other vehicles. C. M. Shaffer. 1,828,450; Oct. 20.
End gate for wagon boxes. W. B. Thieman. 1,829,169; Oct. 27.
End trimming mechanism for cup feed overseaming machines. P. D. Redcay. 1,818,753; Aug. 11.
End wrench. A. Priddle. 1,802,832; Apr. 28.
Endless tread linkage. A. P. Armington. 1,808,446; June 2.
Energies, Combining. C. W. Hansell. 1,838,763; Dec. 29.
Energy beams, Method of and apparatus for generating. J. W. Legg. 1,798,689; Mar. 31.
Energy between a current and a body therein, Arrangement for exchanging. A. Flettner. Re18,122; July 7.
Energy, Device for converting. C. F. Goudy and O. B. Parker. 1,831,787; Nov. 10.
Energy from high-potential conductors, Diverting. A. O. Austin. 1,796,431; Mar. 17.
Energy levels in the transmission of signals, System for testing and adjusting. A. L. Matte. 1,836,127; Dec. 15.
Energy, Method of and apparatus for translating. W. H. Schimpf. 1,819,573; Aug. 18.
Energy of the movements of the sea, System for recovering the. J. Jouy. 1,818,066; Aug. 11.
Energy, Receiving, amplifying, and detecting oscillatory. L. S. Hubbell. 1,836,323; Dec. 15.
Engine: *See*—
Aeroplane engine.
Air-cooled engine.
Airplane engine.
Balanced valve engine.
Beater engine.
Cam engine.
Combustion engine.
Compression explosive engine.
Crankless engine.
Explosion engine.
Fluid pressure engine.
Four stroke cycle engine.
Gas engine.
Gas generating combustion engine.
Hydraulic engine.
Injection engine.
Internal-combustion engine.
Liquid-air engine.
Multiple-cycle engine.
Multiple cylinder engine.
Oil engine.
Radial engine.
Reciprocating engine.
Refining engine.
Rolling mill engine.
Rotary engine.
Sleeve valve engine.
Steam engine.
Toy electric engine.
Turbine engine.
Two-cycle engine.
Valve engine.
Wind engine.
Winding engine.
Engine. J. W. Anderson. 1,824,800; Sept. 29.
Engine. W. W. Brown. 1,797,127; Mar. 17.
Engine. R. A. Coffman 1,797,328; Mar. 24.
Engine. E. J. Collyer. 1,810,130; June 16.
Engine. H. E. Curtis. 1,793,841; Feb. 24.
Engine. E. Dickey. 1,817,069; Aug. 4.
Engine. E. Dickey. 1,838,216; Dec. 29.
Engine. D. A. Gray. 1,839,147; Dec. 29.
Engine. P. C. Heller. 1,824,081; Sept. 22.
Engine. C. W. Hill and J. Kelley. 1,836,469; Dec. 15.
Engine. F. A. Jimerson. 1,788,524; Jan. 13.
Engine. A. C. Johnson. 1,834,099; Dec. 1.
Engine. H. Junkers. 1,796,603; Mar. 17.
Engine. H. M. Leonard. 1,837,557; Dec. 22.
Engine. Y. Nakagawa. 1,814,489; July 14.
Engine. J. Schick. 1,813,259; July 7.
Engine. J. Schick. 1,833,501; Nov. 24.
Engine. H. S. Thorpe. 1,792,258; Feb. 10.
Engine. I. G. Young. 1,807,721; June 2.
Engine and operating the same, Internal combustion. R. A. Van Eaton. 1,812,841; June 30.
Engine and operating the same, Internal-combustion. W. M. Zaikowsky. 1,788,077; Jan. 6.
Engine and pump. K. K. Turner. 1,830,303; Nov. 3.
Engine and pump, Rotary. J. Dap. 1,804,497; May 12.
Engine and the like, Rotary. J. F. N. Craig. 1,800,929; Apr. 14.
Engine and working the same, Internal combustion. W. Schwerdtfeger. 1,826,638; Oct. 6.
Engine block. H. W. Schrader. 1,799,869; Apr. 7.
Engine construction. A. J. Meyer. 1,824,440; Sept. 22.
Engine construction. A. M. Niven. 1,828,745; Oct. 27.
Engine construction, Geared locomotive. D. B. Thorburn and R. B. Krueger. 1,826,292; Oct. 6.
Engine construction, Internal-combustion-. R. L. Skinner. 1,800,479; Apr. 14.
Engine construction, Internal combustion. C. D. Salisbury. 1,836,189; Dec. 15.
Engine construction, Two-cycle. A. W. Colter. 1,787,856; Jan. 6.
Engine control and ventilating means. O. H. Spencer. 1,812,566; June 30.
Engine control mechanism, Internal combustion. A. E. L. Chorlton. 1,807,384; May 26.
Engine cooling. A. B. Reavis. 1,820,091; Aug. 25.
Engine cooling system, Internal combustion. H. Dunkelmann. 1,819,744; Aug. 18.
Engine cooling systems, Expansion chamber and condenser for. A. R. Nottingham. 1,829,757; Nov. 3.
Engine crankshaft. A. J. Meyer. 1,817,389; Aug. 4.
Engine cylinder head, Sleeve valve. A. M. Niven. 1,832,572; Nov. 17.
Engine device for safety doors, Electric. E. G. Parvin. 1,793,716; Feb. 24.
Engine explosion pressure, Applying. C. L. Stokes. 1,804,446; May 12.
Engine for aircraft, Adjustable. T. F. Hamilton. 1,806,680; May 26.
Engine for aircraft, Air-cooled. W. Fischer. 1,838,054; Dec. 22.
Engine for delivering compressed air and power. G. R. Stow. 1,831,976; Nov. 17.
Engine for gaseous and liquid fuels, Internal combustion. K. Schmidt. 1,833,265; Nov. 24.
Engine for paper pulp and the like, Beating. W. Thaler. 1,833,058; Nov. 24.
Engine frame. H. H. Franks. 1,813,045; July 7.
Engine handpiece, Dental. R. C. Angell. 1,838,982; Dec. 29.
Engine having oscillating pistons, Internal-combustion. H. L. F. Trebert. 1,796,735; Mar. 17.
Engine head. V. B. Jones. 1,787,628; Jan. 6.
Engine head, Internal combustion. G. H. Freers. 1,812,474; June 30.
Engine head stand. S. L. Bahrman. 1,826,493; Oct. 6.
Engine hood for motor vehicles. T. Zerbi. 1,838,895; Dec. 29.
Engine intake manifolds, Auxiliary air intake for internal-combustion-. S. B. Alcoriza. 1,792,959; Feb. 17.
Engine is proper, Apparatus for indicating whether suction quantity in an internal combustion. R. Kondo. 1,803,260; Apr. 28.
Engine manifold and attaching same. O. H. Spencer. 1,798,765; Mar. 31.
Engine manifold construction and arrangement. O. H. Spencer. 1,812,063; June 30.
Engine. Method and apparatus for operating an internal combustion. H. Schwarze. 1,828,447; Oct. 20.
Engine mount, Resilient. L. P. Christman. 1,800,434; Apr. 14.
Engine of the sleeve-valve type, Fluid-pressure. H. R. Ricardo. 1,796,896; Mar. 17.
Engine of the two-stroke type. E. H. Tartrais. 1,823,770; Sept. 15.
Engine operating on the two-stroke cycle, Internal-combustion. P. Foth. 1,796,094; Mar. 10.
Engine or pump. C. B. Redrup. 1,787,493; Jan. 6.
Engine or the like. P. C. Smith. 1,787,556; Jan. 6.
Engine port construction. O. H. Spencer. 1,812,379; June 30.
Engine power plant, Internal combustion. H. A. Douglas. 1,817,974; Aug. 11.
Engine primer, Positive. H. J. White. 1,791,049; Feb. 3.
Engine recorder, Beating-. E. A. Haynes. 1,799,419; Apr. 7.
Engine sealing ring holding means, Internal combustion. R. L. Skinner. 1,830,137; Nov. 3.
Engine speed control by manifold depression. E. M. Post, jr. 1,806,705; May 26.
Engine stand. J. G. Collins. 1,812,585; June 30.
Engine stand, Airplane. J. H. Staley. 1,792,612; Feb. 17.
Engine starter. W. L. McGrath. 1,820,945; Sept. 1.

Engine starting apparatus. W. A. Chryst. 1,828,359; Oct. 20.
Engine-starting apparatus. J. B. Dyer. 1,799,042–3; Mar. 31.
Engine starting apparatus. F. J. Hardman. 1,828,366; Oct. 20.
Engine starting means. F. A. Attwood. 1,839,008; Dec. 29.
Engine-starting system. J. Good. 1,792,583; Feb. 17.
Engine structure, Internal combustion. O. D. Treiber. 1,803,516; May 5.
Engine support means, Supplemental. W. K. Bishop. 1,824,255; Sept. 22.
Engine swash plate, construction, Two-cycle internal combustion. H. B. Greening and J. W. Galloway. 1,804,010; May 5.
Engine system, Vacuum. R. D. Conklin. 1,832,618; Nov. 17.
Engine testing apparatus. E. A. Ryder and A. H. King. 1,804,646; May 12.
Engine timing means. M. J. Goldberg. 1,834,125; Dec. 1
Engine-vaporizing means and method. J. Good. 1,789,361; Jan. 20.
Engine with airless injection of the fuel, Four stroke internal combustion. H. Dinner. 1,816,366; July 28.
Engine with self ignition, Internal combustion. F. Lang. 1,803,263; Apr. 28.
Engine with slot scavenging, Two-cycle. H. Bullnheimer. 1,800,433; Apr. 14.
Engines, Air control for internal combustion. J. C. Gordon. 1,804,605; May 12.
Engines and other rotary machines, Mounting of. H. R. Ricardo. 1,790,766; Feb. 3.
Engines and the like, Fuel-injecting apparatus for internal-combustion. C. F. Sjöman and C. G. Pettersson. 1,794,555; Mar. 3.
Engines, Apparatus for aerated-oil injection for internal-combustion. M. Okochi. 1,798,349; Mar. 31.
Engines, Apparatus for control of combustion in internal-combustion. A. Moore. 1,793,554; Feb. 24.
Engines, Apparatus for cooling internal combustion. H. L. Hartenstein. 1,813,667; July 7.
Engines, Apparatus for modifying and supplementing charges for internal-combustion. A. Moore. 1,793,556; Feb. 24.
Engines, Apparatus for use in preventing incrustation of water cooled. J. F. Sanftleben. 1,827,113; Oct. 13.
Engines, Art of internal-combustion. A. Schwarz. 1,794,799; Mar. 3.
Engines, Attachment for internal-combustion. J. O. Bissonnette. 1,789,802; Jan. 20.
Engines, Attachment for internal combustion. M. J. Davis. 1,814,370; July 14.
Engines, Attachment for internal combustion. C. L. Everwine. 1,823,796; Sept. 15.
Engines, Attachment for internal-combustion. P. W. Loew. 1,799,430; Apr. 7.
Engines, Attachment for internal combustion. W. M. Malouf. 1,806.406; May 19.
Engines, Automatic auxiliary air intake for internal combustion. C. Bruneel and G. A. Brunelle. 1,834,935; Dec. 8.
Engines, Automatic charge heating control for internal combustion. D. P. Molony. Re18,052; Apr. 21.
Engines, Automatic control for internal-combustion. T. L. Fitzpatrick. 1,791,629; Feb. 10.
Engines, Automatic control for marine. L. Augustine. 1,802,305; Apr. 21.
Engines, Automatic spark retarder for internal combustion. F. N. Truax. 1,819,576; Aug. 18.
Engines, Combustion chamber for internal combustion. C. E. Summers. 1,833,445; Nov. 24.
Engines, Carbureting and lubricating device for internal combustion. C. T. Huddle. 1,812,436; June 30.
Engines. Carbureting of air particularly for internal-combustion. W. A. Whatmough and W. L. Fisher. 1,797,113; Mar. 17.
Engines, Charge-forming apparatus for internal-combustion. A. Moore. 1,793,555; Feb. 24.
Engines, Charge supply means for internal combustion. J. Muhr. 1,801,446; Apr. 21.
Engines, Combined vaporizer and economizer for internal-combustion. W. E. Stanaway. 1,793,566; Feb. 24.
Engines, Compression-reducing device for internal-combustion. K. Eltze. 1,789,036; Jan. 13.
Engines, Construction of internal combustion. L. and A. Seguin. 1,825.097; Sept. 29.
Engines, Control means for automobile. G. Hoepner. 1,799,792; Apr. 7.
Engines, Control means for cooling systems for internal-combustion. H. B. Fay. 1,791,756; Feb. 10.
Engines, Controlling. A. J. Diescher. 1,792,147; Feb. 10.
Engines, Cowling for air-cooled internal combustion. J. D. North. 1,816,544; July 28.
Engines, Device for controlling the gasoline supply to internal combustion. G. L. Guthmuller. 1,829,276; Oct. 27.
Engines, Device for starting internal combustion. L. P. Croset. 1,827,461; Oct. 13.
Engines, Device for supplying fuel to internal-combustion. K. P. Z. Löwenstein. 1,795,369; Mar. 10.
Engines, Duplex fuel supplying apparatus for internal combustion. W. A. Edwards. 1,804,754; May 12.
Engines, Feeding fuel to high compression Internal combustion. W. G. Gernandt. 1,803,326; May 5.
Engines, Flash ignition plug for gas. M. J. Dikeman. 1,788,661; Jan. 13.
Engines for registering purposes, Comparing fuel consumption of the separate cylinders of. C. Baulino. 1,790,968; Feb. 3.
Engines for self propelled road vehicles, Suspension of. F. H. Royce. 1,829,676; Oct. 27.
Engines for vehicles, Cooling of internal combustion. O. Simmen. 1,829,195; Oct. 27.
Engines, Fuel-control device for. L. F. Tuel. 1,799,542; Apr. 7.
Engines, Fuel control for internal combustion. M. D. Moore. 1,826,630; Oct. 6.
Engines, Fuel economizer for internal combustion. J. Alleas. 1,830,867; Nov. 10.
Engines, Fuel feed control means for internal combustion. O. D. Treiber. 1,803,515; May 5.
Engines, Fuel feeding system for internal combustion. W. H. Muzzy. 1,812,013; June 30.
Engines, Fuel injecting device for internal combustion. D. Balachowsky and P. Caire. 1,833,552; Nov. 24.
Engines, Fuel injecting device for internal combustion. N. J. E. Hellstrom. 1,833,748; Nov. 24.
Engines, Fuel injection device for internal combustion. E. von Salis. 1,802,933; Apr. 28.
Engines, Fuel intake controlling device for internal combustion. W. A. Edwards. 1,812,939; July 7.
Engines, Fuel pumping device for internal combustion. F. G. Schweisthal. 1,834,977; Dec. 8.
Engines, Fuel saver for internal-combustion. A. J. De Sousa. 1,798,727; Mar. 31.
Engines, Gas generator for internal combustion. P. Schneider. 1,816,936; Aug. 4.
Engines, Hood for automobile. C. A. Larsen. 1,831,811; Nov. 17.
Engines, Ignition mechanism for internal combustion. O. Odee and P. P. E. Richards. 1,812,709; June 30.
Engines, Injection of fuel in internal-combustion. A. F. Evans. 1,799.549; Apr. 7.
Engines in motor vehicles, Mounting. F. H. Royce. 1,829,677; Oct. 27.
Engines, Isothermal fuel inlet means for internal combustion. F. A. Bullington. 1,812,197; June 30.
Engines, Liquid fuel feeding means for internal combustion. O. D. Treiber. 1,804,660; May 12.
Engines, Lubricating internal combustion. E. P. du Pont. 1,837,359; Dec. 22.
Engines, Lubrication of. L. Saives. 1,817,422; Aug. 4.
Engines, Lubricator for internal combustion. S. D. Ross and C. F. Edwards. 1,807,437; May 26.
Engines, Method of and apparatus for cooling. C. R. Foutz. 1,790,579; Jan. 27.
Engines, Nebulizing and anti-backfiring device for internal combustion. W. Möbus. 1,816,390; July 28.
Engines of the high compression type, Feeding fuel to internal combustion. W. G. Gernandt. 1,835,487; Dec. 8.
Engines of the liquid-fuel-injection type, Controlling internal-combustion. H. R. Ricardo. 1,790,443; Jan. 27.
Engines, Oil rectifying system for internal combustion. R. L. Skinner. 1,804,844; May 12.
Engines, Oiling system for internal-combustion. O. J. Groehn. 1,789,384; Jan. 20.
Engines, Operating internal combustion. H. W. McClure. 1,829,050; Oct. 27.
Engines, Operating system of internal combustion. R. Kondo. 1,825,959; Oct. 6.
Engines, Preliminarily heating internal combustion. A. C. Bell and T. R. Bell. 1,806,442; May 19.
Engines, Regulating device for. V. Duer and O. S. Hassing. 1,828,650; Oct. 20.
Engines, Retarding and mixing apparatus for internal-combustion. H. J. Plourde. 1,798,492; Mar. 31.
Engines, Reversing mechanism for. A. Thrane. 1,802,851; Apr. 28.
Engines, Reversing mechanism for internal combustion. R. Hildebrand. 1,833,489; Nov. 24.
Engines, Self-dumping rag catcher for beating. G. D. Stevens. 1,791,388; Feb. 3.
Engines, Separator and vaporizer for internal-combustion. G. Hamilton-Grapes. 1,798,200; Mar. 31.
Engines, Spark arrestor for internal combustion. F. A. Donaldson. 1,811,043; June 23.
Engines, Spark control for internal combustion. R. A. Chamberlin. 1,831,378; Nov. 10.
Engines, Spark indicator for internal-combustion. J. F. Dorgan. 1,793,278; Feb. 17.
Engines, Speed controlling means for. M. B. Menniges. 1,825,701; Oct. 6.
Engines, Spray valve control mechanism for internal combustion. A. Olin. 1,835,322; Dec. 8.
Engines, Stratifying arrangement for internal combustion. J. Patterson. 1,825,817; Oct. 6.
Engines, Structure or framing of internal combustion. W. F. Rabbidge. 1,818,752; Aug. 11.
Engines, Supercharging apparatus for internal combustion. C. R. Greuter. 1,835.299; Dec. 8.
Engines, Supercharging internal combustion. E. H. Sherbondy. 1,831,470; Nov. 10.
Engines, Thermostatically operated shutter for air cooled. E. S. Marks. 1,829,048; Oct. 27.
Engines, Truck and power attachment for internal combustion. W. B. Thieman. 1,802,588; Apr. 28.

Engines, Water cooling apparatus for sea plane. A. Rohrbach. 1,838,155; Dec. 29.
Engines, Water cooling system for internal combustion. C. L. Moe. 1,828,978; Oct. 27.
Engineer's instrument. O. G. Herm. 1,802,603; Apr. 28.
Engraving and other machine. G. and G. Gorton, 3d. 1,790,581; Jan. 27.
Engraving machine. C. Uschmann. 1,816,505; July 28.
Engraving machine and the like. G. Gorton. 1,797,139; Mar. 17.
Engraving machine, Multiple-tire-mold. R. S. Boyle. 1,796,079; Mar. 10.
Engraving machines, Pattern cam for. E. Pouplum and W. Jennerjahn. 1,787,761; Jan. 6.
Enrobing or confection coating apparatus. R. Savy, L. Lebert, and M. M. Guggenheim. 1,810,681; June 16.
Ensilage cutter. H. M. Gehl. 1,793,476; Feb. 24.
Ensilage distributor. L. Welker. 1,793,032; Feb. 17.
Ensilage machine. C. W. Eyres. 1,791,302; Feb. 3.
Entrainment arrester. G. W. Watts. 1,792,134; Feb. 10.
Envelope. E. F. Ahlquist. 1,793,203; Feb. 17.
Envelope. B. W. Brockett. 1,827,507; Oct. 13.
Envelope. W. E. Guina. 1,827,468; Oct. 13.
Envelope. W. F. Hammel. 1,837,818; Dec. 22.
Envelope. W. A. Jenrich. 1,823,362; Sept. 15.
Envelope. E. J. Lewis. 1,799,428; Apr. 7.
Envelope. A. Martin. 1,788,467; Jan. 13.
Envelope. P. Miller. 1,823,114; Sept. 15.
Envelope. H. F. Niles. 1,815,323; July 21.
Envelope. C. Pasurka. 1,803,348; May 5.
Envelope. W. A. Welch. 1,811,341; June 23.
Envelope and letter sheet, Combination. H. E. Harson. 1,801,155; Apr. 14.
Envelope and making the same, Key. A. E. Paige. 1,797,199; Mar. 17.
Envelope, Display. G. S. Elliott. 1,810,649; June 16.
Envelope, Double. C. F. Backmyer. 1,816,815; Aug. 4.
Envelope, Duplex. W. H. Rife. 1,793,249; Feb. 17.
Envelope, Expanding. B. Josephson. 1,802,429; Apr. 28.
Envelope feed for cigar-enveloping machines. R. J. Beutel. 1,796,073; Mar. 10.
Envelope feed mechanism. A. Novick. 1,804,476; May 12.
Envelope filling machine. E. L. Bouton. 1,803,049; Apr. 28.
Envelope filling machine. E. L. Bouton. 1,803,051; Apr. 28.
Envelope filling machine. G. Sague. 1,830,889; Nov. 10.
Envelope for laundry rolls, Cork. W. F. Grupe. 1,833,461; Nov. 24.
Envelope for paper money. J. J. Reinhold. Des. 85,887; Dec. 29.
Envelope for sliced lemon, Sanitary. H. Biegeleisen. 1,836,062; Dec. 15.
Envelope for trees, Protecting. R. C. Zuckerman. 1,820,040; Aug. 25.
Envelope for X-ray plates. W. Enderle. 1,801,546; Apr. 21.
Envelope lining machine. J. N. Fountain. 1,837,769; Dec. 22.
Envelope lock. J. W. Fitzgerald. 1,836,459; Dec. 15.
Envelope machine. A. Novick. 1,807,862–3; June 2.
Envelope machine. A. Novick. 1,837,727; Dec. 22.
Envelope machine. M. Vierengel. 1,817,539; Aug. 4.
Envelope machinery. A. Novick. 1,807,866; June 2.
Envelope machines, Feeder for. H. S. Labombarde. 1,808,142; June 2.
Envelope making machinery. A. Novick. 1,807,864; June 2.
Envelope, Nontampering safety. G. Bevilacqua. 1,790,570; Jan. 27.
Envelope opening machine. E. L. Bouton. 1,803,050; Apr. 28.
Envelope opening machine. A. J. Keiser. 1,838,840; Dec. 29.
Envelope or flexible container, Graduated. M. L. Wilson. 1,810,806; June 16.
Envelope, Rip string. B. D. Greenlaw. 1,821,011; Sept. 1.
Envelope sealer. A. Hall. 1,804,609; May 12.
Envelope sealing and stamping device. M. Skolnik. 1,835,817; Dec. 8.
Envelope sealing device. C. A. Mezger. 1,808,567; June 2.
Envelope, Three way. T. M. Moore. 1,822,997; Sept. 15.
Envelope, Two compartment. C. E. Cather. 1,815,396; July 21.
Envelopes and machine therefor, Making. A. Novick. 1,827,539; Oct. 13.
Envelopes and the like, Feeding mechanism for. A. Novick. 1,808,706; June 2.
Envelopes and wrappers in general, Inviolable fastening or closure applicable to. P. Colonnese. 1,791,352; Feb. 3.
Envelopes, Manufacturing gas-filled. R. R. Machlett. 1,789,556; Jan. 20.
Envelopes, Method and mechanism for making. W. H. Rife. 1,796,723; Mar. 17.
Envelopes, Method of and machine for making. A. Novick. 1,807,867; June 2.
Envelopes, Producing window. W. H. Rife. 1,799,865; Apr. 7.
Enzyme solutions, Preserving. L. Wallerstein. 1,820,957; Sept. 1.
Enzymes and beverage, Obtaining malt. E. Jalowetz and M. Hamburg. 1,826,790; Oct. 13.
Ephedrine and structurally-similar compounds and products of such process, Process of producing. R. H. F. Manske. 1,799,110; Mar. 31.
Episcopic projection, Apparatus for. W. Bauersfeld and B. Gerstenberger. 1,807,614; June 2.
Equalizer, Service-brake. J. M. Crawford. 1,791,802; Feb. 10.
Equalizing apparatus, Quadruplex. C. B. Coates. 1,800,248; Apr. 14.
Equalizing device. E. W. Johnson. 1,833,784; Nov. 24.
Equalizing device. J. McRae. 1,790,590; Jan. 27.
Equalizing mechanism. W. H. Manns. 1,831,631; Nov. 10.
Equipment controlling unit. H. S. Becker. 1,804,491; May 12.
Equipment for changing taps of electrical apparatus. L. H. Hill. 1,813,996; July 14.
Eraser. W. Hines. 1,801,003; Apr. 14.
Eraser. L. K. Wright. 1,826,587; Oct. 6.
Eraser and burnisher, Fountain pen. W. M. Floyd. 1,805,279; May 12.
Eraser attachment for lead pencils. C. W. Smith. 1,802,447; Apr. 28.
Eraser attachment for pencils, Adjustable. M. A. West. 1,822,832; Sept. 8.
Eraser, Blackboard. A. A. Elnett. 1,825,858; Oct. 6.
Eraser cleaner, Blackboard-. A. A. Breuer. 1,792,570; Feb. 17.
Eraser cleaning appliance. L. and J. C. Chambers. 1,823,878; Sept. 22.
Eraser holding tip for pencils. H. B. Van Dorn. Des. 85,500; Nov. 3.
Eraser, Typewriter. C. C. Carlson. 1,788,658; Jan. 13.
Eraser, Vacuum board. S. S. Bettman. 1,801,620; Apr. 21.
Erasers, Apparatus for cleaning blackboard. D. O'Reilly and J. Howe. 1,830,129; Nov. 3.
Erecting apparatus. J. L. de Vou. 1,796,705; Mar. 17.
Erecting finder. G. A. Mitchell. Re17,995; Mar. 10.
Erection hanger. G. D. Overholtz. 1,788,842; Jan. 13.
Ergosterine and manufacture of same, Stable irradiated. E. Brauchli. 1,824,653; Sept. 22.
Erosion control. I. T. Curd. 1,833,154; Nov. 24.
Escalator. F. G. Healy. 1,832,204; Nov. 17.
Escutcheon for radiopanel. W. E. Salyards, jr. Des. 83,010; Jan. 6.
Escutcheon plate. R. Marple. 1,787,988; Jan. 6.
Escutcheon plate. E. W. North. Des. 85,342; Oct. 13.
Ester and making the same, Organic. I. Gubelmann and C. O. Henke. 1,829,480; Oct. 27.
Ester condensations, Effecting. P. Halbig and F. Kaufler. 1,805,281; May 12.
Ester, Diamyl. B. T. Brooks and E. J. Cardarelli 1,824,071; Sept. 22.
Ester, Diethyl. B. T. Brooks and E. J. Cardarelli. 1,824,069; Sept. 22.
Ester, Dipropyl. B. T. Brooks and E. J. Cardarelli. 1,824,070; Sept. 22.
Ester of diethylene glycol. R. Calvert. 1,807,304; May 26.
Ester of tetrahydrofurfuryl alcohol. R. H. Van Schaack, jr. 1,802,623; Apr. 28.
Ester of the leuco compound of a vat dyestuff, Sulphuric acid. W. Bauer and L. Zeh. 1,826,720; Oct. 13.
Ester, Preparing an. I. Gubelmann and C. O. Henke. 1,829,481; Oct. 27.
Esters. B. T. Brooks and E. J. Cardarelli. 1,824,068; Sept. 22.
Esters and making them, Alkyl-aralkyl-cellulose. E. Teupel. 1,833,270; Nov. 24.
Esters from nitriles, Making. L. J. Christmann. 1,790,262; Jan. 27.
Esters, Making. K. Roka and O. Fuchs. 1,800,319; Apr. 14.
Esters, Manufacture of. G. Steimmig and H. Ulrich. 1,817,425; Aug. 4.
Esters, Manufacturing. C. Haner. 1,827,653; Oct. 13.
Esters, Obtaining bornyl and isobornyl. L. Schmidt. 1,836,287–8; Dec. 15.
Esters of α-hydroxy carboxylic acids, Production of. W. Michael and W. Haag. 1,831,025; Nov. 10.
Esters of aliphatic acids and isopropyl- and homologous alcohols, Manufacture of isopropyl- and homologous. H. Suida. 1,836,135; Dec. 15.
Esters of cellulose and the products thereof, Manufacture of multiple. C. S. Webber and C. J. Staud. 1,836,695; Dec. 15.
Esters of cellulose containing acyl groups having more than two carbon atoms, Making organic. H. T. Clarke and C. J. Malm. 1,800,860; Apr. 14.
Esters of glycols, Production of. O. Loehr. 1,810,318; June 16.
Esters of hydroxy aromatic acids, Compound. A. B. Davis. 1,834,686; Dec. 1.
Esters of polyhydric alcohols, Nitrated. C. M. A. Stine and C. E. Burke. 1,792,515; Feb. 17.
Esters of secondary alcohols. R. H. Van Schaack, jr. 1,815,878; July 21.
Esters of sulphonic acids, Production of. H. Bertsch. 1,823,815; Sept. 15.
Esters of the borneols, Manufacture of. K. Stephan and F. Ulffers. 1,838,465; Dec. 29.

Esters of the fatty acids, Making. F. E. Lichtenthaeler. 1,805,775; May 19.
Esters of 2-phenyl-quinoline-4-carboxylic acid. Manufacture of. A. Busch. 1,816,003; July 28.
Esters of vinyl alcohol, Manufacture of. W. O. Herrmann, H. Deutsch and E. Baum. 1,822,525; Sept. 8.
Esters, Preparation of. J. Martin and I. J. Krchma. 1,817,898–9; Aug. 4.
Esters, Production of. O. Fuchs. 1,791,238; Feb. 3.
Esters, Production of glycollic acid. W. Buelow. 1,823,528; Sept. 15.
Esters, Purifying. R. H. Van Schaack, jr. and N. Boehmer. 1,836,096; Dec. 15.
Etching machine. F. T. Powers. 1,808,906; June 9.
Etching machine. F. T. Powers. 1,825,127; Sept. 29.
Etching, Process of and product for photographic. A. B. Davis. 1,797,210–11; Mar. 17.
Etchings, Producing plaque. A. A. Feinberg. 1,792,486; Feb. 17.
Ether and the product thereof, Packaging. E. Mallinckrodt, jr., H. V. Farr, and L. P. Hall. 1,807,598; June 2.
Ether, Method of and apparatus for preserving. E. Mallinckrodt, jr., and H. V. Farr. 1,829,529; Oct. 27.
Ether, Preserving. E. Mallinckrodt, jr. and H. V. Farr. 1,814,718; July 14.
Ether, Treatment and packaging of. W. G. Christiansen and R. Van Winkle. 1,813,664; July 7.
Ethers, Dyeing cellulose. H. Eichwede and E. Fischer. 1,802,204; Apr. 21.
Ethers, Making phenol ethyl. E. C. Britton and H. R. Slagh. 1,801,901; Apr. 21.
Ethers, New basic phenol alkyl. H. Hahl. 1,787,519; Jan. 6.
Ethers of diacetone alcohol, Manufacture of. C. W. Simms. 1,823,704; Sept. 15.
Ethers of protocatechuic aldehyde, Manufacture of the isomeric monoethyl. F. Boedecker. 1,801,068; Apr. 14.
Ethylene diamine, Making. G. O. Curme, jr., and F. W. Lommen. 1,832,534; Nov. 17.
Ethylene from the higher homologues thereof in gaseous mixtures containing olefines, Separating. R. Michel. 1,822,358; Sept. 8.
Evacuator. K. Kiefer. 1,799,590; Apr. 7.
Evacuator. K. Kiefer. 1,799,591; Apr. 7.
Evaporating apparatus. A. W. Baumann. 1,791,262; Feb. 3.
Evaporating apparatus. M. J. Kermer. 1,831,121; Nov. 10.
Evaporation losses in tanks, Reducing. J. Verner. 1,813,870; July 7.
Evaporation losses, Prevention of. H. V. Atwell. 1,800,043; Apr. 7.
Evaporation losses, Prevention of. J. F. Eakins. 1,796,010; Mar. 10.
Evaporator. D. G. Ellis. 1,805,762; May 19.
Evaporator. H. L. Guy. 1,820,065; Aug. 25.
Evaporator. F. Hofmeister and H. Melhardt. 1,798,174; Feb. 17.
Evaporator. H. W. How. 1,837,964; Dec. 22.
Evaporator. C. E. L. Lipman. 1,805,526; May 19.
Evaporator. B. C. Sprague. 1,795,743; Mar. 10.
Evaporator. O. H. Wurster. 1,791,296; Feb. 3.
Evaporator for mechanical refrigerating apparatus, Air cooling and water freezing. A. W. Mellowes. 1,833,846; Nov. 24.
Evaporator for refrigerating apparatus. L. Bruehl. 1,829,501; Oct. 27.
Evaporator section. J. W. Smith. 1,816,159; July 28.
Evaporator, Syrup. W. B. Martin and P. S. Evans. 1,835,606; Dec. 8.
Evaporators, Adjuster equipment for. S. F. Grove. 1,838,671; Dec. 29.
Even-wear bar. G. Langford. 1,799,381; Apr. 7.
Eviscerating and inspection pan. C. B. Duffey and J. Z. Wade. 1,837,535; Dec. 22.
Excavating and conveying apparatus. W. H. Dance. 1,817,971; Aug. 11.
Excavating and scraping apparatus. A. B. Shaw, 1,811,030; June 23.
Excavating apparatus. C. O. Hanson. 1,808,409; June 2.
Excavating apparatus. J. W. Page. 1,802,063; Apr. 21.
Excavating apparatus. D. J. Shelton. 1,814,863; July 14.
Excavating apparatus, Slack-take-up and dipper-tripping mechanism for. H. E. Brey. 1,797,224; Mar. 24.
Excavating attachment, Convertible. G. A. Vaughn. 1,806,511; May 19.
Excavating device. E. Lorenz. 1,823,367; Sept. 15.
Excavating dipper. W. S. McKee. 1,807,632; June 2.
Excavating implement. G. E. Edmunds. 1,835,701; Dec. 8.
Excavating machine. F. A. Buckland. 1,812,925–6; July 7.
Excavating machine. P. Burke and A. Orloff. 1,819,590; Aug. 18.
Excavating machine. A. Ellersgaard. 1,817,809; Aug. 4.
Excavating machine. J. W. and W. E. Emerick. 1,796,889; Mar. 17.
Excavating machine. A. B. Euga. 1,822,695; Sept. 8.
Excavating machine. P. A. Orton. 1,793,507; Feb. 24.
Excavating machines, Draft attachment for. H. S. Knight. 1,838,770; Dec. 29.
Excavating machinery. W. M. Bager and W. Lehman. 1,817,905; Aug. 11.
Excavating machinery. P. S. Stevens. 1,818,106; Aug. 11.
Excavating machinery, Electric motor driven. G. J. Lexa and R. Ljungkull. 1,809,981; June 16.
Excavating or boring apparatus. W. R. Degenhardt, A. F. de Fraine, and R. H. Bicknell. 1,797,024; Mar. 17.
Excavating or tunneling apparatus. W. R. Degenhardt and A. F. de Fraine. 1,795,108; Mar. 3.
Excavating point. W. H. Brune. 1,834,514; Dec. 1.
Excavating shovel. H. J. Brendlin. 1,826,920; Oct. 13.
Excavating shovel. J. W. Page. 1,833,587; Nov. 24.
Excavator. H. H. Barber. 1,825,258; Sept. 29.
Excavator. E. Bauer. 1,813,110; July 7.
Excavator. R. M. and B. L. Bowman. 1,804,587; May 12.
Excavator. C. A. Clemens. 1,822,338; Sept. 8.
Excavator. H. Madonna. 1,808,311; June 2.
Excavator. A. Orloff. 1,812,662; June 30.
Excavator. A. Orloff. 1,823,662; Sept. 15.
Excavator. R. Volk. Re18,156; Aug. 18.
Excavator apparatus. C. O. Hanson. 1,808,408; June 2.
Excavator, Conveyor. A. V. Huennekens. 1,825,956; Oct. 6.
Excavator for tile ditching, Earth. W. Rhodes. 1,814,094; July 14.
Excavator scope. R. R. Downie. 1,797,642; Mar. 24.
Excavator tooth, Replaceable. G. E. Edmunds. 1,815,649, July 21.
Excavator tooth, Replaceable. G. E. Edmunds. 1,834,391; Dec. 1.
Excavator tooth with socketed tip, Reversible. D. H. Young. 1,816,710; July 28.
Excavator, Tower. G. B. Massey. 1,804,175; May 5.
Excavators, Traction mechanism. G. T. Ronk. 1,802,576; Apr. 28.
Exchange device, Heat-. F. G. Cornell, jr. 1,795,837; Mar. 10.
Exchange system, Private automatic. T. F. Crocker. 1,790,091; Jan. 27.
Exchanger for mail, Automatic. F. E. Kampmeyer, sr. 1,822,658; Sept. 8.
Exerciser. A. A. Hendrickson, jr. 1,832,633; Nov. 17.
Exerciser. R. H. Noe. 1,815,863; July 21.
Exerciser and body builder. F. Poulos. 1,810,255; June 16.
Exerciser, Finger. J. J. Enzler. 1,833,357; Nov. 24.
Exerciser, Foot. H. A. Gartner. 1,801,769; Apr. 21.
Exerciser mechanism. J. D. Cole. 1,837,530; Dec. 22.
Exerciser mechanism. J. D. Cole. 1,837,532; Dec. 22.
Exercising and vibrating device. A. M. Webb. 1,791,777; Feb. 10.
Exercising apparatus. H. V. Clausen. 1,801,223; Apr. 14.
Exercising apparatus. F. L. Dyer. 1,793,214; Feb. 17.
Exercising apparatus. J. J. Shoemaker. 1,807,938; June 2.
Exercising device. W. C. Brumder. 1,790,653; Feb. 3.
Exercising device. J. D. Cole. 1,837,531; Dec. 22.
Exercising device. H. E. McCoy. 1,826,254; Oct. 6.
Exercising device. L. Novak. 1,824,920; Sept. 29.
Exercising device for animals. J. Freer. Re18,273; Dec. 8.
Exercising device for animals. J. Freer. 1,794,951; Mar. 3.
Exercising device, Mechanical. H. E. McCoy. 1,838,183; Dec. 29.
Exercising device of the motor driven type, Mechanical. W. J. McMarlin and L. S. Gunderman. 1,823,568; Sept. 15.
Exercising machine. J. D. Bell. 1,796,682; Mar. 17.
Exercising machine. A. E. R. Blomquist. 1,820,372; Aug. 25.
Exercising machine. G. H. Carlson. 1,793,996; Feb. 24.
Exhaust apparatus. L. L. Kelly. 1,820,355; Aug. 25.
Exhaust box. W. King. 1,831,122; Nov. 10.
Exhaust box. A. R. Thompson. 1,831,330; Nov. 10.
Exhaust box. A. R. Thompson. 1,837,502; Dec. 22.
Exhaust manifold. E. Waller. 1,796,132; Mar. 10.
Exhaust silencer. W. E. and E. R. Herring. 1,838,550; Dec. 29.
Exhaust silencer. J. E. Sykes. 1,804,070; May 5.
Exhaust silencer. L. J. Wolford. 1,816,245; July 28.
Exhaust ventilator. F. L. Wagar. 1,807,109; May 26.
Exhibitor, Changeable. E. Farkas. 1,806,678; May 26.
Exhibitor, Changeable. F. W. Hoban. 1,797,773; Mar. 24.
Exhibitor, Changeable. A. A. and E. A. Huseby. 1,831,450; Nov. 10.
Exhibitor, Changeable. C. H. Kimble, jr. 1,828,808; Oct. 27.
Exhibitor or recorder. G. A. Gayer. 1,797,647; Mar. 24.
Expander for tubes and the like. G. Wiedeke. 1,798,442; Mar. 31.
Expanding apparatus. F. R. Grady. 1,795,487; Mar. 10.
Expanding bit. S. C. Knauer. 1,832,129; Nov. 17.
Expanding brake. A. H. G. Girling. 1,804,929; May 12.
Expanding device. W. C. Ferris. 1,806,339; May 19.
Expanding device, Tube-. R. N. Trane. 1,788,474; Jan. 13.
Expansion bag. J. A. Walker. 1,791,178; Feb. 3.
Expansion bit. R. E. Disl. 1,831,100; Nov. 10.
Expansible bit. G. N. Fitch. 1,804,681; May 12.
Expansion bolt. R. Rosen. 1,790,841; Feb. 3.
Expansion bolt, Removable. L. Johnston. 1,793,739; Feb. 24.
Expansion brake, Internal-. W. P. Connell. 1,789,957; Jan. 27.

Expansion device for diagonals and bulkhead wires. O. Geisler and G. W. Seth. 1,811,122; June 23.
Expansion joint. P. Andersson. 1,792,469; Feb. 17.
Expansion joint. A. R. Lawrence. 1,826,666; Oct. 6.
Expansion joint. L. L. Lord. 1,797,151; Mar. 17.
Expansion joint, Air space. 1,807,339; May 26.
Expansion joint, Asphalt. A. C. Fischer. 1,800,193; Apr. 7.
Expansion joint, Guided. A. C. Badger. 1,824,422; Sept. 22.
Expansion joint, Lubricated. L. L. Pratt. 1,806,081; May 19.
Expansion joint, Pipe line. H. J. Burnish. 1,835,010; Dec. 8.
Expansion joint, Waterproof. A. C. Fischer. 1,807,905; June 2.
Expansion member, Packingless. H. Brennan and B. H. Wilding. 1,830,780; Nov. 10.
Expansion reamer. L. O. Beard. 1,790,529; Jan. 27.
Expansion roller. J. E. Peterson. 1,799,603; Apr. 7.
Explosion engine. M. A. Violet. 1,833,802; Nov. 24.
Explosion engine, Rotary. F. B. Marvin. 1,810,082; June 16.
Explosion relief. C. M. Dibble. 1,810,697; June 16.
Explosive. A. Hough. 1,822,290; Sept. 8.
Explosive. L. J. W. Jones. 1,820,567–8; Aug. 25.
Explosive. C. G. Luis. 1,820,000; Aug. 18.
Explosive. B. I. Stoops. 1,828,788; Oct. 27.
Explosive and producing the same, Nitrated glucoside. P. G. Wrightsman. 1,836,568; Dec. 15.
Explosive charges and apparatus therefor, System for forming. O. A. Ross. 1,829,875; Nov. 3.
Explosive composition. W. L. McPherson. 1,827,895; Oct. 20.
Explosive engine. E. Burhop. 1,829,631; Oct. 27.
Explosive mixtures, Forming. C. Breer. 1,827,728; Oct. 20.
Explosive mixtures, Forming. H. C. Lord. 1,788,578; Jan. 13.
Explosive, Nitrocellulose propellent. C. M. A. Stine and C. E. Burke. 1,792,516; Feb. 17.
Explosive, Producing. C. H. Cordie and W. D. Crater. 1,833,454; Nov. 24.
Explosive, Propellent. W. M. Dehn. 1,819,458; Aug. 18.
Explosive, Propellent. W. O. Snelling. 1,808,613; June 2.
Explosives and manufacturing the same, Colloided starch. W. M. Dehn. 1,819,457; Aug. 18.
Explosives, Apparatus for testing. F. Olsen and C. J. Bain. 1,801,449; Apr. 21.
Explosives from solvents, Crystallizing. D. M. Jackman. 1,801,509; Apr. 21.
Explosives in wells, Device for loading. M. A. Altgelt. 1,807,819; June 2.
Explosives, Producing. N. C. Boyd. 1,811,663; June 23.
Extensible table. R. Molinari and J. Baldi. 1,830,671; Nov. 3.
Extension bit. T. J. Fegley and G. O. Leopold. 1,805,330; May 12.
Extension device. M. Anderson. 1,809,618; June 9.
Extension device. E. G. Carlson. 1,790,300; Jan. 27.
Extension device. S. A. Johnson. 1,834,708; Dec. 1.
Extension device. S. A. Johnson. 1,835,496; Dec. 8.
Extension device. N. T. Nelson. 1,817,163; Aug. 4.
Extension device. E. Prestinari. 1,832,734; Nov. 17.
Extension device, Foldable. W. J. Roy. 1,829,675; Oct. 27.
Extension former. J. Sciallis. 1,825,607; Sept. 29.
Extension for sprinkler systems, Adjustable. H. K. Rader. 1,833,040; Nov. 24.
Extension hanger, Construction-element. H. S. Chapin. 1,792,815; Feb. 17.
Extension table. M. Binder. 1,820,860; Aug. 25.
Extension table. M. Fox. 1,793,391; Feb. 17.
Extension table. M. J. Greenwood. 1,805,213; May 12.
Extension table. E. J. Heule and P. Novak. 1,831,174; Nov. 10.
Extension table. R. Muhlichen. 1,793,819; Feb. 24.
Extension table. J. S. Richardson. 1,796,268; Mar. 10.
Extension table. I. Segal. 1,836,404; Dec. 15.
Extension table. H. Siskin. 1,807,881; June 2.
Extension table. T. Steppan. 1,801,886; Apr. 21.
Extension table. A. H. Stone. 1,836,883; Dec. 15.
Extension table. J. H. Trenkler and W. A. King. 1,824,640; Sept. 22.
Exterminating machine. W. H. Lively. 1,802,211; Apr. 21.
Extinguisher, Fire. J. T. Carroll. 1,821,140; Sept. 1.
Extinguisher for cigarettes and the like. G. D. Glomb. 1,827,360; Oct. 13.
Extract, Manufacture of wheat. F. M. Dupont. 1,829,743; Nov. 3.
Extractor; *See*—
Air extractor.
Battery cell extractor.
Centrifugal extractor.
Cleaner and hull extractor.
Core-bar extractor.
Core extractor.
Fruit juice, pulp, and seed extractor.
Hat extractor.
Heat extractor.
Honey extractor.
Hull extractor.
Juice extractor.
Nail and spike extractor.
Nipple extractor.
Plug extractor.
Rotary extractor.
Shell extractor.
Soot extractor.
Spray extractor.
Stud extractor.
Sulphur extractor.
Tree extractor.
Extraction process. R. de M. Taveau. 1,825,762; Oct. 6.
Extractor. W. Buss. 1,824,424; Sept. 22.
Extractor. M. Ducasse. 1,819,322; Aug. 18.
Extractor. F. J. Porwoll. 1,798,221; Mar. 31.
Extractor. W. A. Rice. 1,827,109; Oct. 13.
Extractor. O. H. Wurster. 1,823,813; Sept. 15.
Extractor and method of extracting honey, Radial. H. H. Root. 1,791,605; Feb. 10.
Extractor for automatic firearms. G. H. Tansley. 1,803,352; May 5.
Extractor in presses. H. J. Wiser. 1,807,461; May 26.
Extractor or the like, Fruit-juice. L. H. Morin. Des. 85,709; Dec. 8.
Extractors, Suspension for centrifugal. M. Hahn. 1,794,402; Mar. 3.
Extracts and preparing the same, Physiologically active. W. Ludwig and O. Schaumann. 1,836,857; Dec. 15.
Extruding and casting substances, Process and machine for centrifugally. J. Merle. 1,817,012; Aug. 4.
Extruding machine. T. S. Vierow. 1,826,230; Oct. 6.
Extrusion and apparatus therefor. C. O. Evans. 1,825,343; Sept. 29.
Extrusion machine. W. McClintock and F. Y. Pearne. 1,808,964; June 9.
Extrusion press. A. Liebergeld. 1,836,763; Dec. 15.
Extrusion press. F. Singer. 1,825,017; Sept. 29.
Eye and eyelashes for dolls, Combined. V. Keney. 1,796,997; Mar. 17.
Eye, Artificial animal. M. Shuldiner. 1,832,743; Nov. 17.
Eyebar and fabricating same. J. B. Strauss. 1,836,345; Dec. 15.
Eye for anchor rods, eye bolts and the like. W. N. Elliott and W. G. Milne. 1,823,261; Sept. 15.
Eye for dolls, manikins, and other figure toys, Artificial. L. J. Grubman. 1,812,872; July 7.
Eyeglass construction. G. E. Nerney. 1,800,263; Apr. 14.
Eyeglass construction. G. E. Nerney. 1,820,627; Aug. 25.
Eyeglass construction. F. A. Short. 1,800,266; Apr. 14.
Eyeglass frame. T. H. Carow. 1,825,503; Sept. 29.
Eyeglass frame. F. G. Marciano. 1,838,775; Dec. 29.
Eyeglass frame, Folding. J. J. Pomeranz. 1,828,847; Oct. 27.
Eyeglass lens. G. E. Nerney. Des. 83,826; Mar. 31.
Eyeglass mounting. I. Sundstrom. 1,807,560; May 26.
Eyeglass mounting, Bridge for an. E. J. R. Beattey. Des. 84,920; Aug. 25.
Eyeglass parts, Making. W. H. Siddall. 1,825,427; Sept. 29.
Eyeglass-spring retainer. A. L. Holling. 1,791,501; Feb. 10.
Eyeglasses. F. Hitchiner. 1,802,424; Apr. 28.
Eyeglasses, Artificial elongation of. M. A. Birk. 1,831,801; Nov. 17.
Eyelash and eyebrow colorer. J. Ehmann. 1,795,482; Mar. 10.
Eyelash, Artificial. V. Keney. 1,810,566; June 16.
Eyelash curler. W. E. McDonnell and C. W. Stickel. Des. 83,872; Apr. 7.
Eyelash curler. J. M. Grabowski. 1,836,710; Dec. 15.
Eyeleting and product produced thereby, Blind. H. A. Evans. 1,815,434; July 21.
Eyeleting machine. W. M. Spry. 1,833,268; Nov. 24.
Eyelets of metals of the tungsten-molybdenum class, Manufacturing. W. F. Dester. 1,838,749; Dec. 29.
Eye, Mechanical illustrator of the. H. Witt. 1,832,603; Nov. 17.
Eye mount, Artificial. L. J. Schlitzer and J. L. Litomy. 1,798,762; Mar. 31.
Eye mounting for dolls. L. J. Grubman. 1,788,573; Jan. 13.
Eye mounting for dolls. L. J. Grubman. 1,797,338; Mar. 24.
Eye mounting for dolls. L. J. Grubman. 1,805,085; May 12.
Eye mounting for dolls. L. J. Grubman. 1,817,001; Aug. 4.
Eye mounting for dolls. L. A. Nemcovsky. 1,819,035; Aug. 18.
Eye mounting for dolls. L. A. Nemcovsky. 1,820,087; Aug. 25.
Eye piece tube, Microscope. W. L. Patterson. 1,837,993; Dec. 22.
Eye protector. E. D. Tillyer. 1,813,213; July 7.
Eye set. A. Konoff and A. Fuertinger. 1,832,464; Nov. 17.
Eye set. S. Marcus. 1,792,176; Feb. 10.
Eye set. S. Marcus and A. Fuertinger. 1,792,177; Feb. 10.
Eye set. S. Marcus and A. Konoff. 1,795,729; Mar. 10.
Eye set. L. A. Nemcovsky. 1,831,421; Nov. 10.
Eyeshade. G. A. Baker. 1,791,653; Feb. 10.
Eyeshade. E. Blattmann. Des. 83,713; Mar. 17.
Eyeshade. D. H. O'Meara. 1,834,415; Dec. 1.
Eye shield. E. Diehl. 1,833,741; Nov. 24.
Eyeshield. M. K. Gibson. 1,807,475; May 26.
Eye shield. M. Rickerd. 1,799,064; Mar. 31.
Eyeshield. C. N. Wrenshall. 1,809,956; June 16.
Eyeshield for spectacles. A. H. Havens. 1,805,396; May 12.
Eyeshield, Motorist's. F. W. Magee. 1,803,338; May 5.
Eyes, Assembling the parts of artificial. L. J. Grubman. 1,810,896; June 23.
Eyes for dolls, Movable. A. C. Maby. 1,831,602; Nov. 10

Eyes for dolls, Rolling. S. Marcus. 1,800,738; Apr. 14.
Fabric: *See*—
Antislip fabric.
Elastic fabric.
Fence fabric.
Fence wire fabric.
Inelastic laminated fabric.
Insulation fabric.
Knitted fabric.
Knitting fabric.
Mesh fabric.
Metallic fabric.
Pile fabric.
Plush fabric.
Rubber-coated fabric.
Rubberless elastic fabric.
Textile fabric.
Tubular fabric.
Tubular knitted fabric.
Wire fabric.
Woven fabric.
Fabric. A. L. Helwith. 1,822,889; Sept. 15.
Fabric. S. Schwartz. Re18,241; Nov. 3.
Fabric. S. Schwartz. 1,794,554; Mar. 3.
Fabric. F. F. Zimmerer and H. W. Bauer. 1,800,671; Apr. 14.
Fabric and machine for producing same, Knitted. L. A. O'Lena. 1,790,832; Feb. 3.
Fabric and making and applying the same, Ornamental. F. Portuesi. 1,794,731; Mar. 3.
Fabric and making it, Rubber coated. A. N. Parrett. 1,818,575; Aug. 11.
Fabric and making it, Rubber coated. A. N. Parrett. 1,818,576; Aug. 11.
Fabric and making same, Mildewproof. R. Harvey and H. V. Day. 1,827,083; Oct. 13.
Fabric and making the same. C. Dreyfus and W. Whitehead. 1,836,663; Dec. 29.
Fabric and making the same. J. C. Farber. 1,825,586; Sept. 29.
Fabric and making the same, Composite. F. H. Lee. 1,813,860; July 7.
Fabric and making the same, Knitted. W. L. Houseman. 1,805,624; May 19.
Fabric and making the same, Pile. M. G. Curtis. 1,788,084; Jan. 6.
Fabric and making the same, Pile. H. Mellor. 1,812,602; June 30.
Fabric and making the same, Pile. W. S. Nutter. 1,812,640; June 30.
Fabric and making the same, Printed. C. Dreyfus, W. Whitehead, and H. Platt. 1,825,342; Sept. 29.
Fabric and making the same, Fireproof. C. Dreyfus and H. Platt. 1,837,150; Dec. 15.
Fabric and making the same, Single texture. P. S. Smith. 1,825,827; Oct. 6.
Fabric and making the same, Stiffening. C. Dreyfus. 1,828,397; Oct. 20.
Fabric and making the same, Tufted. A. S. Riviere. 1,827,614; Oct. 13.
Fabric and manufacturing the same, Metal. L. Radó. 1,810,438; June 16.
Fabric and preparing same, Coated. A. N. Parrett. 1,833,471; Nov. 24.
Fabric and process of making the same, Noninflammable. A. F. Randolph. 1,820,198; Aug. 25.
Fabric and producing the same, Plaited. C. Dreyfus. 1,793,915; Feb. 24.
Fabric and treating the same, Double knitted. M. Meyers. 1,851,747; Nov. 10.
Fabric bag. C. H. Armstrong. 1,822,948; Sept. 15.
Fabric coated with rubber. Apparatus for producing webs of. R. B. Searight. 1,837,682; Dec. 22.
Fabric containing derivatives of cellulose and producing the same, Ornamental. C. Dreyfus. 1,804,529; May 12.
Fabric containing lead, Woven. S. P. Howe. 1,798,605; Mar. 31.
Fabric cutting machine. H. A. Denmire. 1,819,773; Aug. 18.
Fabric cutting machines. C. B. Bergson. 1,812,645; June 30.
Fabric drying and finishing machine. E. B. Bates. 1,808,879; June 9.
Fabric for collars and cuffs, Woven. A. S. Phillips and O. S. Lawton. 1,816,611; July 28.
Fabric for curtains. S. H. Brice. 1,827,278; Oct. 13.
Fabric for furniture or similar articles, Panel. G. E. O'Hearn. Des. 85,299; Oct. 6.
Fabric for gas protection masks or the like and producing same. G. K. E. H. Stampe. 1,839,168; Dec. 29.
Fabric for wearing apparel, Stiffening. C. Hänsel. 1,810,076; June 16.
Fabric forming machine. Zene R. and J. R. Maulsby. Re18,146; Aug. 4.
Fabric, Knitting plated. H. E. Houseman. 1,811,849; June 30.
Fabric label and the like. M. S. Ripin. 1,835,084; Dec. 8.
Fabric, Making combined closely woven and fitch work. L. Larsen. 1,810,969; June 23.
Fabric manipulating machine. R. D. Evans. 1,823,856; Sept. 15.
Fabric, Mechanism and method for producing elastic. J. V. Moore. Re17,934; Jan. 20.
Fabric, Mechanism for knitting split. R. H. Lawson. 1,801,280; Apr. 21.
Fabric, Mechanism for slitting. R. P. Hayden. 1,806,458; May 19.
Fabric, Method and apparatus for handling tubular textile. S. Cohn. 1,790,655; Feb. 3.
Fabric, Method of and mechanism for knitting sutured. W. F. Rolston. 1,802,394; Apr. 28.
Fabric of crepe thread and making same. B. Kayser. 1,825,071; Sept. 29.
Fabric or a similar article, Embroidered textile. E. W. Freudenberg. Des. 84,689; July 21.
Fabric or similar article, Embroidered textile. E. W. Freudenberg. Des. 84,577–9; July 7.
Fabric or a similar article, Embroidered textile. E. W. Freudenberg. Des. 85,865; Dec. 29.
Fabric or similar article of manufacture, Textile. H. M. Schweer. Des. 83,132; Jan. 20.
Fabric or similar article, Textile. J. Dornbusch. Des. 84,570–2; July 7.
Fabric or similar article, Textile. G. M. Fauser. Des. 84,468; June 23.
Fabric or similar article, Textile. P. Mouton. Des. 83,991; Apr. 21.
Fabric or the like, Textile. R. C. Kahrmann. Des. 85,754; Dec. 15.
Fabric pad. J. B. Pedroli. 1,804,841; May 12.
Fabric, Producing open, sinker loop, Knitted. R. H. Lawson. 1,801,607; Apr. 21.
Fabric pulling machine. H. M. Eaton. 1,811,460; June 23.
Fabric repairing apparatus. A. L. De Leeuw. 1,818,696; Aug. 11.
Fabric separator. W. L. and H. L. McLaughlin. 1,823,693; Sept. 15.
Fabric slitting and strip edging apparatus. F. B. Pfeiffer. 1,817,929; Aug. 11.
Fabric-slitting machine. J. O. Goodwin. 1,791,307; Feb. 3.
Fabric, Stripper. W. Kritchevsky and H. C. Prutsman. 1,810,665; June 16.
Fabric testing machine. H. A. Hadley. 1,837,864; Dec. 22.
Fabric transferring implement, Knit. J. W. Laux. 1,790,350; Jan. 27.
Fabric wall covering. R. H. Roe. 1,793,963; Feb. 24.
Fabric, Woven. G. E. O'Hearn. Des. 84,949; Aug. 25.
Fabrics, Anchoring the elastic strands of elastic. L. B. Chisholm. 1,826,240; Oct. 6.
Fabrics and making the same, Patterned Axminster. W. H. Cooper. 1,822,478; Sept. 8.
Fabrics, Apparatus for repairing runs in. M. McCann. 1,837,463; Dec. 22.
Fabrics, Apparatus for treating. J. Fisch. 1,828,893; Oct. 27.
Fabrics, Apparatus for treating. H. Platt and N. C. Shane, jr. 1,833,854; Nov. 24.
Fabrics, Apparatus for treating and ageing. E. S. Chapin. 1,818,041; Aug. 11.
Fabrics, Apparatus relating to bleaching, washing, or dyeing of woven. C. G. Hanhart. 1,794,403; Mar. 3.
Fabrics, Cleaning pile. S. Chase, 4th. 1,820,048; Aug. 25.
Fabrics, Cross-dyeing. A. S. Roberts. 1,812,554–7; June 30.
Fabrics, Dyeing of knitted and woven. C. Callebaut and J. De Blicquy. 1,788,980; Jan. 13.
Fabrics, Dyeing textile. A. J. Belokopytoff. 1,814,783; July 14.
Fabrics, Edging. T. Miller. 1,793,630; Feb. 24.
Fabrics, Embossing. E. L. and W. L. Fuchs. 1,817,184; Aug. 4.
Fabrics, Identifying. E. C. Geier. 1,827,513; Oct. 13.
Fabrics, Knitting plated. W. J. Schubert. 1,839,123; Dec. 29.
Fabrics, Machine for producing moire. A. Milhomme. 1,821,392; Sept. 1.
Fabrics, Making pile. N. Slater. 1,810,328; June 16.
Fabrics, Manufacture of. J. Morton. 1,811,325; June 23.
Fabrics, Marking wire. W. J. Murphy. 1,837,726; Dec. 22.
Fabrics, Method and apparatus for tracing metallic bodies in. J. Bing. 1,827,349; Oct. 13.
Fabrics, Method and apparatus for use in manufacture of rubberized. R. W. Brown. 1,819,986; Aug. 18.
Fabrics, Method of and apparatus for printing pile. A. F. McCollum. 1,799,111; Mar. 31.
Fabrics, Method of and attachment for running on knitted. R. H. Lawson and A. N. Cloutier. 1,816,809; July 28.
Fabrics, Method of and mechanism for transferring knitted. L. Williams. 1,802,098; Apr. 21.
Fabrics, paper, rubber and the like, Method of and arrangement for examining the local strength of. F. Schubert. 1,836,621; Dec. 15.
Fabrics, Process of and apparatus for dyeing textile. P. Mijer. 1,796,039; Mar. 10.
Fabrics, Producing combined woven and knitted. C. F. Lee. 1,799,563; Apr. 7.
Fabrics, Producing elastic. J. V. Moore. Re17,935; Jan. 20.
Fabrics, Production of ribbed knitted. T. H. Jones. 1,838,683; Dec. 29.
Fabrics, Repairing looped. C. Kudela. 1,815,008; July 14.
Fabrics, Shrinking. S. L. Cluett. 1,837,408; Dec. 22.
Fabrics to airplane ribs, Device for attaching. M. N. Matveyeff. 1,796,572; Mar. 17.
Fabrics, Treating. H. I. Jones. 1,799,047; Mar. 31.
Fabrics, Treating. H. Platt. 1,802,956; Apr. 28.
Fabrics, Treating. G. Rivat and C. Dreyfus. 1,818,505; Aug. 11.
Fabrics, Treating means for. A. N. Spanel. 1,817,532–3; Aug. 4.

Fabrics, Treating textile. W. S. Rowley, and H. W. Butterworth, jr. 1,825,478; Sept. 29.
Fabrics, Washing and fulling of. E. Mundorf. 1,788,777; Jan. 13.
Fabrics, Waterproofing and gasproofing of. J. B. Flowers. 1,793,075; Feb. 17.
Fabrics widthwise, Device for stretching. H. Weiss. 1,814,652; July 14.
Fabrics with cellulose derivatives, Coating. G. Schneider. 1,824,690; Sept. 22.
Fabricated construction. H. L. Barnholdt and J. L. Brown. 1,828,275; Oct. 20.
Fabricating machine. V. B. Trevellyan and W. W. Smith. 1,829,971; Nov. 3.
Fabricating machine for laminated glass products. W. C. Bull. 1,805,389; May 12.
Fabricating machines, Take-out for glass-. W. J. Miller. 1,795,665; Mar. 10.
Face mask or the like. T. M. Dick. 1,820,602; Aug. 25.
Face plate for an automobile light or lamp. J. Szechenyi. Des. 85,624; Nov. 24.
Face-steaming appliance. W. J. Obidine. 1,797,554; Mar. 24.
Facial change device for dolls. W. R. Springer. 1,821,243; Sept. 1.
Facing, Clutch friction. L. V. Cram. 1,833,414; Nov. 24.
Facing, Traffic signal. C. Adler, jr. Des. 85,143; Sept. 22.
Facsimile system. R. H. Ranger. 1,790,723; Feb. 3.
Facsimile system. R. H. Ranger. 1,800,357; Apr. 14.
Facsimile system. R. H. Ranger. 1,803,133; Apr. 28.
Facsimile system. F. Schröter. 1,792,767; Feb. 17.
Facsimile system. G. M. Wright. 1,809,617; June 9.
Facsimile transmission, Synchronization for. E. S. Purington. 1,795,616; Mar. 10.
Factice and the like, Manufacture of. J. Baer. 1,828,587; Oct. 20.
Factory apparatus for growing plants. F. McCormick. 1,793,626; Feb. 24.
Factory, Portable. D. H. Lentz. 1,817,632; Aug. 4.
Fair-lead. J. E. Dale. 1,797,331; Mar. 24.
Fairleader. K. Berger. 1,805,800; May 19.
Fan. E. E. Campbell. 1,818,607; Aug. 11.
Fan. L. V. Cram. 1,806,539; May 19.
Fan. E. R. Hewitt. 1,820,742; Aug. 25.
Fan. W. P. Jobson. 1,801,556; Apr. 21.
Fan. H. H. Knight. Des. 84,423; June 16.
Fan. A. Leimbach. 1,812,596; June 30.
Fan and air cleaner, Combined. C. Y. Knight. 1,789,871; Jan. 20.
Fan and governor for internal combustion engines, Combined. W. B. Thiemann. 1,809,152; June 9.
Fan, Automatically lubricated. R. P. Edwards and E. W. Seaholm. 1,835,560; Dec. 8.
Fan base. J. Lanz. 1,796,293; Mar. 17.
Fan blade. L. N. Davy. 1,820,448; Aug. 25.
Fan, Centrifugal. W. J. Montgomery. 1,806,860; May 26.
Fan construction. W. Shurtleff. 1,815,529; July 21.
Fan, Electric. F. Ljungstrom. Des. 84,642; July 14.
Fan, Electric. C. Ringwald. 1,805,105; May 12.
Fan, Electric. A. M. Schick. 1,822,672; Sept. 8.
Fan, Filter. G. de Bothezat. 1,794,447; Mar. 3.
Fan for cooling dynamo electric machines, etc. S. B. Taylor. 1,814,417; July 14.
Fan for internal-combustion engines, Supercharging. F. R. Smith. 1,796,057; Mar. 10.
Fan for vaults, Air-vent. J. P. Williams. 1,800,237; Apr. 14.
Fan housing. L. P. Saunders. 1,829,374; Oct. 27.
Fan, Line flow. E. L. Anderson. 1,838,169; Dec. 29.
Fan lubricator. E. A. Stone. 1,799,262; Apr. 7.
Fan, Motor driven. R. H. Jordan, D. L. Hadley, and D. R. Dohner. Des. 84,521; June 30.
Fan pivot joint. T. S. Pukerud. 1,799,986; Apr. 7.
Fan, Portable eletcric. B. A. Peterson and B. Marcellus. Des. 83,829; Mar. 31.
Fan, Portable electric. C. E. Smith. Des. 84,379–82; June 9.
Fan, Refrigerator. A. A. Kucher. 1,828,538; Oct. 20.
Fan regulating device. R. Ragan. 1,827,039; Oct. 13.
Fan, Reversible. A. Schuchardt. 1,791,170; Feb. 3.
Fan, Rotary. P. Suter. 1,827,770; Oct. 20.
Fan, Spiral blade. O. H. Spencer. 1,821,484; Sept. 1.
Fan structure. F. J. Rayfield. 1,812,060; June 30.
Fan, Ventilating. M. Berman. 1,838,609; Dec. 29.
Fan, Ventilating. C. A. Hendrickson. 1,825,114; Sept. 29.
Fan, Ventilating. W. J. McCaig. 1,793,814; Feb. 24.
Fan, Ventilating. W. A. Spear. 1,792,514; Feb. 17.
Fan volume and pressure control. E. L. Anderson. 1,787,653; Jan. 6.
Fancy work machine. N. A. Jennings. 1,809,241; June 9.
Fans, Apparatus and method of controlling. E. L. Anderson. 1,787,654–5; Jan. 6.
Fans, Induction flow inlet. E. L. Anderson. 1,787,656; Jan. 6.
Fare box. W. Cox. 1,793,466; Feb. 24.
Fare box. J. Sobczak. 1,831,781; Nov. 10.
Fare collecting and change making machine, Multiple. C. E. Chalmers. 1,801,801; Apr. 21.
Fare collecting and change making machine, Multiple. C. E. Chalmers. 1,807,196; May 26.
Fare collecting machine. C. E. Chalmers. 1,801,796; Apr. 21.
Fare indicator. H. Heinz. 1,796,653; Mar. 17.
Fare indicator. L. Kern. 1,788,161; Jan. 6.
Farm gate. J. E. Van Deventer. 1,821,411; Sept. 1.
Farm wastes, Pulping. E. R. Darling. 1,828,243; Oct. 20.
Fastener. J. Berge. 1,830,460; Nov. 3.
Fastener. J. V. Berry. 1,811,993; June 30.
Fastener. G. W. Blair. 1,837,011; Dec. 15.
Fastener. C. V. Brady. 1,830,014; Nov. 3.
Fastener. F. H. Broome. 1,811,713; June 23.
Fastener. L. R. Carley. 1,789,034; Jan. 13.
Fastener. F. J. Carolin. 1,814,077; July 14.
Fastener. F. S. Carr. 1,792,472; Feb. 17.
Fastener. A. W. Gavitt. 1,827,357; Oct. 13.
Fastener. G. A. Holmes. 1,789,310; Jan. 20.
Fastener. G. A. Holmes. 1,826,281; Oct. 6.
Fastener. E. Kern. 1,832,935; Nov. 24.
Fastener. E. S. Mix. 1,827,398; Oct. 18.
Fastener. S. H. Norton. 1,836,392; Dec. 15.
Fastener. J. F. Powell. 1,820,323; Aug. 25.
Fastener. H. Rosenberg. 1,809,758; June 9.
Fastener. H. Rosenberg. 1,827,615; Oct. 13.
Fastener. W. K. Royce. 1,815,588; July 21.
Fastener. R. Sato. 1,829,613; Oct. 27.
Fastener. E. A. Saunders. 1,820,327; Aug. 25.
Fastener. B. H. White. 1,799,716; Apr. 7.
Fastener. B. H. White. 1,836,636; Dec. 15.
Fastener. E. M. Whitney. 1,837,511; Dec. 22.
Fastener, Adjustable. H. H. Mayo. 1,791,420; Feb. 3.
Fastener and assembling same in carpets, Carpet. E. D. Janes. 1,835,494; Dec. 8.
Fastener and attaching it. L. R. Carley. 1,789,035; Jan. 13.
Fastener and label holder, Mail-bag. H. F. Armstrong. 1,800,004; Apr. 7.
Fastener and the like, Cover. A. Carlson and E. W. Ericson. 1,810,870; June 16.
Fastener applying machine. W. H. Pierce. 1,839,176; Dec. 29.
Fastener assembly. W. I. Jones. 1,805,462; May 12.
Fastener, Automatic sash. C. H. Suckel. 1,823,807; Sept. 15.
Fastener, Bag. W. C. Hiering. 1,790,816; Feb. 3.
Fastener, Bag. W. C. Hiering. 1,830,201; Nov. 3.
Fastener, Bag. W. C. Hiering. 1,836,970; Dec. 15.
Fastener, Baggage. A. H. Ellis. 1,798,872; Mar. 31.
Fastener, Band. G. Marvell. 1,832,718; Nov. 17.
Fastener, Basket cover. V. H. Wiziarde and C. H. Bacher. 1,803,084; Apr. 28.
Fastener, Belt. G. E. Purple. 1,803,354; May 5.
Fastener, Bird-cage. J. Hypes. 1,800,798; Apr. 14.
Fastener, Box. S. G. Clifford. 1,789,936; Jan. 20.
Fastener, Box cover. C. A. Lind. 1,829,598; Oct. 27.
Fastener, Button. L. B. Erwin. 1,801,850; Apr. 21.
Fastener, Button. L. B. Erwin. 1,808,535; June 2.
Fastener, Car door. D. S. Barrows. 1,817,729; Aug. 4.
Fastener, Casement. T. E. McNulty. 1,801,284; Apr. 21.
Fastener catch. W. E. Wacker. 1,802,796; Apr. 28.
Fastener, Chain. W. F. Conover. 1,836,015; Dec. 15.
Fastener, Chain. H. S. Halvorson. 1,796,709; Mar. 17.
Fastener, Chain. F. H. Lewis. 1,833,165; Nov. 24.
Fastener, Chain. A. A. Thomas. 1,816,941; Aug. 4.
Fastener, Chain. C. W. Trippensee. 1,792,336; Feb. 10.
Fastener clip. H. S. de Forest and L. H. de Wyk. 1,793,467; Feb. 24.
Fastener, Closure. F. J. and J. J. Balk. 1,797,313; Mar. 24.
Fastener, Closure. J. K. Harford. 1,787,784; Jan. 6.
Fastener, Closure. A. S. Lichten, A. Koufman, and W. Shulik. 1,795,496; Mar. 10.
Fastener, Closure. W. Mevis. 1,795,402; Mar. 10.
Fastener, Closure. T. O. Schrader. Des. 85,666–7; Dec. 1.
Fastener, Closure. M. F. Smith. 1,814,343; July 14.
Fasterner, Closure. R. C. Spencer. 1,789,605; Jan. 20.
Fastener, Closure. A. L. H. Willson. 1,811,773; June 23.
Fastener, Collar. B. L. Duke. 1,795,766; Mar. 10.
Fastener, Collar. M. O. Nobbe. Des. 84,431; June 16.
Fastener construction, Interlocking-. G. E. Prentice. 1,796,395; Mar. 17.
Fastener, Cord. G. F. Chesney. 1,808,636; June 2.
Fastener, Cowl. W. J. Irwin. 1,792,537; Feb. 17.
Fastener, Cross chain. S. J. Montgomery. 1,837,982; Dec. 22.
Fastener, Cuff. H. E. Leach. 1,838,851; Dec. 29.
Fastener device for luggage. S. Lacher. 1,817,518; Aug. 4.
Fastener, Disengageable. M. J. Isaacson. 1,807,478; May 26.
Fastener, Door. F. Kumber. 1,805,099; May 12.
Fastener, Door. F. S. Ullom. 1,822,327; Sept. 8.
Fastener, Door. J. Unkelbach and H. de Barr. 1,799,265; Apr. 7.
Fastener, Dress. A. R. Smido. 1,814,341; July 14.
Fastener, Electricity-meter cover. A. L. Emens. 1,791,892; Feb. 10.
Fastener, Fender rope. E. D. Barton. 1,825,612; Sept. 29.
Fastener, Flexible. N. Statham. 1,800,966; Apr. 14.
Fastener, Floating spring type. J. W. Dews. 1,831,291; Nov. 10.
Fastener for boxes. E. A. Olley and D. B. Winter. 1,826,817; Oct. 13.
Fastener for burial vaults. F. C. King. 1,797,527; Mar. 24.

Fastener for container covers. A. M. Walstrom. 1,834,660; Dec. 1.
Fastener for containers. H. A. Widmer. Des. 83,655; Mar. 10.
Fastener for containers. H. A. Widmer. Des. 85,070; Sept. 8.
Fastener for crates and the like. A. W. Robinson. 1,792,397; Feb. 10.
Fastener for crates and the like. A. W. Robinson. 1,837,997; Dec. 22.
Fastener for curtain rod ornaments. J. H. Boye. 1,832,087; Nov. 17.
Fastener for doors and the like. J. S. Burdick. 1,812,858; July 7.
Fastener for display characters. J. Cooke. 1,812,933; July 7.
Fastener for fountain pens and the like. V. Gibson. 1,835,862; Dec. 8.
Fastener for fruit and vegetable containers, Wire. C. L. Brademeyer, and C. L. Koonce. 1,790,087; Jan. 27.
Fastener for intimate body garments. M. T. Lucas. 1,826,623; Oct. 6.
Fastener for key cylinders. E. B. Stone. 1,838,333; Dec. 29.
Fastener for purses, hand bags, attaché cases, or the like. C. Flint. 1,791,268; Feb. 3.
Fastener for receptacles, Closure. C. Sealey. 1,830,721; Nov. 3.
Fastener for rubber heels. L. Pignanelli. 1,803,641; May 5.
Fastener for spring covers. D. K. Pope. 1,799,864; Apr. 7.
Fastener for storm and screen sashes. P. M. Dehn. 1,805,654; May 19.
Fastener for tub covers. E. C. Pagel. 1,791,837; Feb. 10.
Fastener forming and assembling machine. M. F. Carr. 1,817,886; Aug. 4.
Fastener, Fur. N. Wallace. 1,835,681; Dec. 8.
Fastener, Garment. F. K. Alstrand. 1,790,893; Feb. 3.
Fastener, Garment. F. E. Swanstrom. 1,822,912; Sept. 15.
Fastener, Garment-holding. B. Alonso. 1,798,576; Mar. 31.
Fastener, Gate. E. J. Anderson. 1,822,640; Sept. 8.
Fastener, Hair. E. Bossart. 1,811,842; June 30.
Fastener, Hair. K. Petzoldt. 1,792,029; Feb. 10.
Fastener, Hair-gripping. S. H. Goldberg and W. H. Hermsdorf. 1,799,510; Apr. 7.
Fastener, Hasp. R. Bruce. 1,797,634; Mar. 24.
Fastener, Hatband. F. J. Chemidlin. 1,791,556; Feb. 10.
Fastener, Hatband. F. R. Roberts. 1,811,187; June 23.
Fastener, Hood. N. W. Cummins. 1,829,788; Nov. 3.
Fastener, Hood. M. H. Marchner. 1,834,791; Dec. 1.
Fastener, Hood. E. G. Watrous. 1,793,201; Feb. 17.
Fastener, Incandescent body. C. Bol. 1,819,146; Aug. 18.
Fastener-inserting machine. F. A. Rumney and A. E. Hudson. 1,798,226; Mar. 31.
Fastener inserting mechanism. W. R. Barclay and W. T. B. Roberts. 1,829,389; Oct. 27.
Fastener, Jewelry. C. B. Keller. 1,807,293; May 26.
Fastener, Joint. W. L. Hudson and W. F. Eckardt. 1,822,217; Sept. 8.
Fastener, Lath. A. J. Bates. 1,805,797; May 19.
Fastener, Lid. J. W. Miller. 1,802,214; Apr. 21.
Fastener, Line. M. J. Magnant. 1,793,330; Feb. 17.
Fastener, Lingerie. G. T. Edens. 1,793,847; Feb. 24.
Fastener, Lingerie. R. Freedman. 1,788,095; Jan. 6.
Fastener, Lingerie. R. Freedman. 1,813,283; July 7.
Fastener lock. L. F. Mott. 1,804,839; May 12.
Fastener, Locking pin. L. B. Chapman. 1,797,605; Mar. 24.
Fastener making machine. H. Lamb. 1,817,990; Aug. 11.
Fastener means, Envelope. P. L. Andrews. 1,788,418; Jan. 13.
Fastener, Mop handle. J. W. Doty. 1,804,498; May 12.
Fastener, Necktie. A. G. Delmon and V. M. Lastra. 1,807,623; June 2.
Fastener, Necktie. P. Petreke. 1,789,836; Jan. 20.
Fastener-part-feeding mechanism for fastener-attaching machines. A. C. Fearing. 1,788,762; Jan. 13.
Fastener, Pipe. H. Shaw. 1,816,443; July 28.
Fastener, Plate. W. La Hodny. 1,795,308; Mar. 10.
Fastener, Quick operating. G. W. Blair. 1,801,324; Apr. 21.
Fastener, Quick operating. E. A. Saunders. 1,834,225; Dec. 1.
Fastener, Rail. M. Crym. 1,812,140; June 30.
Fastener, Receptacle. H. R. Walrath. 1,819,349; Aug. 18.
Fastener retainer, Webbing. H. A. Mailloux. 1,806,405; May 19.
Fastener, Reversible closure. T. O. Schrader. 1,795,514; Mar. 10.
Fastener, Rod. L. W. Bond. 1,808,628; June 2.
Fastener, Roll-roofing. A. A. Griswold. 1,794,072; Feb. 24.
Fastener, Roofing H. Yost. 1,810,808; June 16.
Fastener, Safety box. J. G. Friedman. 1,808,216; June 2.
Fastener, Sash-cord. P. Frigiola. 1,800,063; Apr. 7.
Fastener, Scythe snath. S. L. Crowe. 1,824,123; Sept. 22.
Fastener, Self adjusting carpet. P. E. Fenton. 1,819,156; Aug. 18.
Fastener, Separable. P. A. Aronson. 1,790,129; Jan. 27.
Fastener, Separable. P. Balbaud. 1,823,229; Sept. 15.
Fastener, Separable. J. P. Bennett. 1,813,434; July 7.
Fastener, Separable. M. Blaskopf. 1,799,210; Apr. 7.
Fastener, Separable. F. S. Carr. 1,822,565; Sept. 8.
Fastener, Separable. J. W. Dews. 1,801,905; Apr. 21.
Fastener, Separable. D. Dyresen. 1,789,304; Jan. 20.
Fastener, Separable. D. Dyresen. 1,789,355; Jan. 20.
Fastener, Separable. G. Johnson. 1,798,796; Mar. 31.
Fastener, Separable. G. Johnson. 1,804,370; May 5.
Fastener, Separable. H. J. Nordseth. 1,800,655; Apr. 14.
Fastener, Separable. S. H. Norton. 1,830,078; Nov. 3.
Fastener, Separable. G. P. Peterson. 1,820,089; Aug. 25.
Fastener, Separable. N. J. Poux. 1,817,838–41; Aug. 4.
Fastener, Separable. N. J. Poux. 1,817,843; Aug. 4.
Fastener, Separable. N. J. Poux, V. H. Hall, and P. H. Crowe. 1,817,842; Aug. 4.
Fastener, Separable. G. E. Prentice. 1,832,945; Nov. 24.
Fastener, Separable. E. O. Seaver. 1,830,077; Nov. 3.
Fastener, Separable. W. C. Stevens. 1,816,501; July 28.
Fastener, Separable. G. Sundback. 1,810,685; June 16.
Fastener, Separable. G. Sundback. 1,813,432–3; July 7.
Fastener, Separable. C. Towner. 1,791,472; Feb. 3.
Fastener, Separable. N. Warshaw. 1,826,909; Oct. 13.
Fastener, Separable. F. Waschiczeck. 1,839,068; Dec. 29.
Fastener, Separable snap. M. F. Carr. 1,801,221; Apr. 14.
Fastener setting machine. S. L. Gookin. 1,823,894; Sept. 22.
Fastener setting machine, Duplex. G. W. Jacques. 1,824,957; Sept. 29.
Fastener setting machines, Swinging die holder for. F. E. Warner. 1,809,322; June 9.
Fastener, Shoe. M. G. Grundmann. 1,822,284; Sept. 8.
Fastener, Shoe. S. M. Riker. Des. 833,174; Jan. 27.
Fastener, Shoe lace. E. Grundlehner. 1,830,646; Nov. 3.
Fastener, Side-chain. F. E. Stahl. 1,788,070; Jan. 6.
Fastener slide. D. I. Reiter. 1,828,256; Oct. 20.
Fastener slider, Separable. R. H. Nicholson. 1,833,689; Nov. 24.
Fastener, Slider-operated. G. W. Blair. 1,794,139; Feb. 24.
Fastener sliders, Apparatus for making. G. W. Blair. 1,801,325; Apr. 21.
Fastener slides, Making separate. G. Sundback. 1,810,377; June 16.
Fastener, Sliding. M. Krakowsky. 1,831,570; Nov. 10.
Fastener, Snap. P. E. Fenton. 1,831,295–6; Nov. 10.
Fastener, Snap. D. I. Reiter. 1 804,951; May 12.
Fastener, Socket. G. Johnson. 1,796,525; Mar. 17.
Fastener socket member, Pearl cap snap. E. D. Simons. 1,831,202; Nov. 10.
Fastener, Storm-sash. C. N. Carlson. 1,800,884; Apr. 14.
Fastener, Stud and grommet. A. C. Peters. 1,803,485; May 5.
Fastener, Tag. F. Magidson. 1,806,171; May 19.
Fastener tape. L. Roseman. 1,833,500; Nov. 24.
Fastener tape, Hook. L. Roseman. 1,801,571; Apr. 21.
Fastener, Tie. J. Jasina. 1,831,496; Nov. 10.
Fastener, Typewriter. H. J. Muhlfeld. 1,823,753; Sept. 15.
Fastener unit. D. Dyresen. 1,827,309; Oct. 13.
Fastener, Window. K. C. Chamberlain. 1,801,659; Apr. 21.
Fastener, Window. J. E. Scott. 1,823,957; Sept. 22.
Fastener, Window. P. J. Wesolowski. 1,826,911; Oct. 13.
Fastener, Window sash. W. N. Cropper. 1,828,557; Oct. 20.
Fastener, Window sash. E. W. and N. Farmer. 1,802,338; Apr. 28.
Fastener, Wire. C. F. Bailey. 1,789,290; Jan. 20.
Fastener, Wire. W. H. F. Ziederich. 1,818,523; Aug. 11.
Fastener with lateral clearance. G. W. Blair. 1,809,667; June 9.
Fastener, Zip or lightning. W. Pietsch. 1,823,913; Sept. 22.
Fasteners, Attachment of. C. T. McCue. 1,815,792; July 21.
Fasteners, Lock cap for. J. Berge. 1,805,737; May 19.
Fasteners, Separable connecting device for slide. E. M. Whitney. 1,830,079; Nov. 3.
Fastening. O. K. Landis. 1,788,309; Jan. 6.
Fastening. H. A. Widmer. 1,818,442; Aug. 11.
Fastening, Cap and shell. C. E. Anderson. 1,795,274; Mar. 3.
Fastening and adjusting means for garments. T. Kotzin. 1,835,499; Dec. 8.
Fastening clip. J. F. Makowski. 1,803,632; May 5.
Fastening clip, Plaster-board-. I. A. Baum. 1,800,204; Apr. 14.
Fastening combination, Tie, joint and rail. W. F. Walker. 1,814,199; July 14.
Fastening device. T. B. Andre. 1,829,432; Oct. 27.
Fastening device. J. P. Black and E. A. Green. 1,815,540; July 21.
Fastening device. W. L. Clark. 1,807,236; May 26.
Fastening device. W. L. Clark. 1,831,588; Nov. 10.
Fastening device. D. F. Dalton. 1,813,385; July 7.
Fastening device. D. F. Dalton. 1,832,005; Nov. 17.
Fastening device. D. F. Dalton. 1,836,958; Dec. 15.
Fastening device. A. H. De Groote. 1,837,021; Dec. 15.
Fastening device. W. H. Evers. 1,820,869; Aug. 25.
Fastening device. W. H. J. Fitzgerald. 1,798,526; Mar. 31.

Fastening device. J. Fleece. 1,796,924; Mar. 17.
Fastening device. E. M. Giles. 1,837,036; Dec. 15.
Fastening device. J. Hines. 1,810,351; June 16.
Fastening device. H. Leberman. 1,816,858; Aug. 4.
Fastening device. H. A. Newcomb. 1,830,127; Nov. 3.
Fastening device. W. S. Pierce, jr. 1,802,829; Apr. 28.
Fastening device. W. S. Pierce, jr. 1,831,392; Nov. 10.
Fastening device. T. Phillips. 1,816,692; July 28.
Fastening device. N. J. Poux. 1,817,837; Aug. 4.
Fastening device. H. H. Raymond. 1,822,110; Sept. 8.
Fastening device. G. W. Riley. 1,830,445; Nov. 3.
Fastening device. J. F. Schylander. 1,816,914; Aug. 4.
Fastening device. G. Sundback. 1,809,717; June 9.
Fastening device. A. Thomas. 1,806,005; May 19.
Fastening device. A. Zeindlhofer. 1,805,795; May 19.
Fastening device, Adjustable. N. Statham. 1,838,463; Dec. 29.
Fastening device, Chain-. P. Frégeau. 1,795,206; Mar. 3.
Fastening device for bag frames. H. Leberman. 1,807,220; May 26.
Fastening device for bracelets. E. L. Johnson and O. Lundsten. 1,827,364; Oct. 13.
Fastening device for caps and the like. E. H. Wittenberg. 1,830,415; Nov. 3.
Fastening device for doors. H. F. L. J. Rocheron. 1,832,505; Nov. 17.
Fastening device for handbags. W. H. Zachman. 1,816,885; Aug. 4.
Fastening device for shipping cases, Lid. F. D. Perry. 1,817,578; Aug. 4.
Fastening device for shirts. F. X. Plante. 1,807,546; May 26.
Fastening device for spinning centrifuges used in the production of artificial silk. G. Bauriedel, and W. Fichthorn. 1,822,194; Sept. 8.
Fastening device for swinging doors, Door-. F. C. Johnson. 1,792,540; Feb. 17.
Fastening device for trunks. E. H. Coquille. 1,796,748; Mar. 17.
Fastening device for writing utensils such as pencils or the like. J. P. van Gasteren. 1,839,065; Dec. 29.
Fastening device, Lingerie. A. and E. Blum. 1,822,333; Sept. 8.
Fastening device, Separable. L. Rocke. 1,811,677; June 23.
Fastening device, Shoe lace. F. P. Ellsworth. 1,827,424; Oct. 13.
Fastening feeding system. T. Lund. 1,811,891; June 30.
Fastening for hub caps, radiator caps, and gasoline tank caps. D. M. Anderson and A. W. McNeish. 1,817,794; Aug. 4.
Fastening for insulating jackets. F. F. Cooper. 1,822,987; Sept. 15.
Fastening for metal decking. W. E. White and P. C. Monjar. 1,826,913; Oct. 13.
Fastening for stools and the like, Leg. S. A. Sommers. 1,828,550; Oct. 20.
Fastening-inserting apparatus. G. Goddu. 1,821,965–6; Sept. 8.
Fastening-inserting machine. J. M. Benjamin. 1,800,205; Apr. 14.
Fastening inserting machine. M. F. Brogan. 1,804,397; May 12.
Fastening inserting machine. F. N. La Chapelle and F. C. Eastman. 1,802,900; Apr. 28.
Fastening inserting machine. G. Hazelton. 1,823,898; Sept. 22.
Fastening-inserting machine. F. L. MacKenzie. 1,790,062; Jan. 27.
Fastening-inserting machine. W. T. B. Roberts. 1,789,323; Jan. 20.
Fastening inserting mechanism. F. N. LaChapelle. 1,837,275; Dec. 22.
Fastening installation. W. H. Pierce. 1,822,845; Sept. 8.
Fastening, Lace and like. P. Hahn. 1,806,162; May 19.
Fastening means. A. Fridolph. 1,819,412; Aug. 18.
Fastening means. N. Kasdan. 1,835,162; Dec. 8.
Fastening means. J. A. Miller, jr. 1,814,760; July 14.
Fastening means. H. S. Theys and L. Horowitz. 1,827,050; Oct. 13.
Fastening means. N. M. Whitemore. 1,808,195; June 2.
Fastening means for airship envelopes. K. Arnstein, P. Helma, and K. Bauch. 1,797,186; Mar. 17.
Fastening means for belts. R. S. Fowler. Re18,232; Oct. 20.
Fastening means for doors. O. M. Otte. 1,815,580; July 21.
Fastening means for flexible seats. N. N. Brown. 1,813,020; July 7.
Fastening means for license plates and the like. W. H. Fluker. 1,797,081; Mar. 17.
Fastening means for metal barrels. R. J. Bell. 1,826,918; Oct. 13.
Fastening means for separable parts. H. A. Calderwood. 1,795,107; Mar. 3.
Fastening means for separable parts. J. M. G. Fullman. 1,796,781; Mar. 17.
Fastening means, Goggle headband. R. Malcom. 1,829,010; Oct. 27.
Fastening means, Plaster-board-. J. S. Raynor. 1,796,959; Mar. 17.
Fastening means, Rail. A. D. Preston. 1,816,696; July 28.
Fastening means, Turbine rotor disk. A. Meyer. 1,825,239; Sept. 29.
Fastening mechanism. J. C. Arnold. 1,829,030; Oct. 27.
Fastening mechanism, Automatic door-. J. S. Turnbull. 1,791,943; Feb. 10.
Fastening mechanism, Closure. C. A. Redfield. 1,814,962; July 14.
Fastening, Metallic. G. S. Tolman, jr. 1,816,162; July 28.
Fastening, Nut and screw. F. S. Carr. 1,800,176; Apr. 7.
Fastening, Nut and screw. F. S. Carr. 1,805,460; May 12.
Fastening or locking device, Vehicle. 1,792,357; Feb. 10.
Fastening point for shank stiffeners. R. E. Bartels. 1,818,666; Aug. 11.
Fastening pulling machine. F. L. Mackenzie. 1,807,853; June 2.
Fastening, Sheet. R. E. Drake. 1,800,609; Apr. 14.
Fastening, Shoe. W. Zapias. 1,791,919; Feb. 10.
Fastenings, Device for supplying. R. E. Duplessis. 1,818,051; Aug. 11.
Fastenings, Inserting. M. F. Brogan. 1,804,396; May 12.
Fastenings, Mechanism for supplying. W. T. B. Roberts. 1,806,883; May 26.
Fats and oils, Saponifying. C. Bergell. 1,799,496; Apr. 7.
Fats, Method of and apparatus for rendering. W. T. Birdsall. 1,813,226; July 7.
Fatty materials, Sulphonation of. H. Bertsch. 1,801,189; Apr. 14.
Fatty products, Recovering. H. L. Borg. 1,808,831; June 9.
Faucet. J. F. Bentley. 1,797,283; Mar. 24.
Faucet. G. A. Blake. 1,820,772; Aug. 25.
Faucet. H. G. Davis. 1,807,970; June 2.
Faucet. D. W. Guiles. 1,822,346; Sept. 8.
Faucet. R. P. Kent. 1,790,625; Jan. 27.
Faucet. R. Monschein. 1,794,195; Feb. 24.
Faucet. E. W. O'Dowd. 1,832,728; Nov. 17.
Faucet. H. A. and W. J. Porter. 1,819,571; Aug. 18.
Faucet. C. Riegger. 1,789,476; Jan. 20.
Faucet. G. Sakier. Des. 83,923; Apr. 14.
Faucet, Adjustable combination-mixing. R. Mueller. 1,832,723; Nov. 17.
Faucet and valve. Reseating leakproof. A. J. Bacon. 1,805,158; May 12.
Faucet, Beverage. C. A. Look. Des. 84,150; May 12.
Faucet, Beverage mixing. W. T. Comer. 1,827,458; Oct. 13.
Faucet, Clamp. L. H. Pike. 1,790,111; Jan. 27.
Faucet, Coffee urn. H. D. Kelly. 1,837,552; Dec. 22.
Faucet, Combination. W. E. Potteiger. 1,789,390; Jan. 20.
Faucet, Combination hot and cold water. E. H. and A. W. Carder. 1,801,847; Apr. 21.
Faucet connection. F. S. Hyatt. 1,798,884; Mar. 31.
Faucet, Dispenser. C. M. Cordley. Des. 83,390; Feb. 17.
Faucet, Dispensing. L. L. Da Costa. 1,838,093; Dec. 29.
Faucet, Dispensing. J. F. Palmer. 1,819,381; Aug. 18.
Faucet, Driving. I. E. Stump and T. A. Knoedler. 1,826,838; Oct. 13.
Faucet, Gang. H. E. Crosby. 1,828,175; Oct. 20.
Faucet, Hydraulic. J. Erickson. 1,804,865; May 12.
Faucet, Laundry tray. E. A. Pope. 1,813,422; July 7.
Faucet, Lavatory. F. Schulder. 1,825,826; Oct. 6.
Faucet, Measuring. J. R. Manley. 1,811,724; June 23.
Faucet, Mixing laundry. W. Hewig. 1,838,829; Dec. 29.
Faucet, Non-corrodible. R. S. Allan. 1,805,537; May 19.
Faucet opening attachment, Automatic. V. B. Haig. 1,805,821; May 19.
Faucet or valve. W. J. Mattson. 1,832,228; Nov. 17.
Faucet, Selective discharge. P. Hegyes. 1,791,312; Feb. 3.
Faucet, Single control combination hot and cold water supply. M. George. 1,823,599; Sept. 15.
Faucet, Water. A. Rosewood. 1,800,661; Apr. 14.
Faucet, Water. A. Rosewood. 1,836,132; Dec. 15.
Fault-responsive apparatus. A. S. Fitz Gerald. 1,797,976; Mar. 24.
Faults in electrical systems, Locating earth. J. Jonas. 1,822,701; Sept. 8.
Feather drier. G. B. Schmidt and F. H. Pecht. 1,792,769; Feb. 17.
Feather plucking device, Staggered channeled roller. J. Dunner. 1,809,891; June 16.
Feather washer and dryer. A. M. Budde. 1,833,515; Nov. 24.
Feathers and the like, Device for renovating. T. H. Means. 1,835,511; Dec. 8.
Feed, Accelerating can. H. L. Guenther. 1,820,562; Aug. 25.
Feed and delivery mechanism. I. Phillips. 1,831,637; Nov. 10.
Feed cutter. T. F. Lannon. 1,804,350; May 5.
Feed device. H. J. Kerr and C. U. Savoye. 1,817,627; Aug. 4.
Feed device, Automatic. R. D. Streby. 1,823,995; Sept. 22.
Feed, Fattening. C. C. Dawe. 1,831,164; Nov. 10.
Feed for stoker, Variable. S. Rapoport. 1,821,666; Sept. 1.
Feed, Manufacture of live stock. C. R. Mabee. 1,807,067; May 26.
Feed mechanism. G. H. Benzon, jr. 1,835,842; Dec. 8.
Feed mechanism. C. W. Curle. 1,833,891; Dec. 1.
Feed mechanism. L. T. Medholdt. 1,803,973; May 5.

Feed mechanism, Intermittent. W. Dieter. 1,810,645; June 16.
Feed mechanism, Intermittent. A. S. Howell. 1,834,948; Dec. 8.
Feed mechanism. R. L. Wilcox. 1,832,165; Nov. 17.
Feed mechanism. J. F. Williams and R. H. Cramer. 1,828,552; Oct. 20.
Feed mixer. G. M. Agee. 1,804,386; May 12.
Feed mixer. J. O. Allstott. 1,800,003; Apr. 7.
Feed mixer. J. Kosten. 1,794,181; Feb. 24.
Feed mixer. P. W. G. Nielson. 1,795,792; Mar. 10.
Feed mixer and molassizer D. E. Skirvin. 1,788,345; Jan. 6.
Feed preparing apparatus. R. Stresau. 1,828,987; Oct. 27.
Feed regulator. J. J. Thacher. 1,789,120; Jan. 13.
Feed roller, Self adjusting. F. Gitzendanner. 1,827,359; Oct. 13.
Feed, Stock. G. A. Kent. 1,796,031; Mar. 10.
Feed structure. J. G. Poorman. 1,808,433; June 2.
Feed water heater. T. C. McBride. 1,837,876; Dec. 22.
Feed water heater. K. Muhleisen. 1,819,785; Aug. 18.
Feed water heater. E. L. and C. A. Schellens. 1,809,730; June 9.
Feed water heater and steam condenser, Combined. M. H. Kotzebue. 1,821,840; Sept. 1.
Feed water regulator. V. V. Veenschoten. 1,824,970–1; Sept. 29.
Feed water regulator, Automatic. J. T. Lindstrom. 1,820,356; Aug. 25.
Feeder. A. H. Jones. 1,828,662; Oct. 20.
Feeder. H. Kiel. 1,788,677; Jan. 13.
Feeder and grinder, Automatic hog. A. J. McDougall. 1,825,633; Sept. 29.
Feeder, Animal. D. H. Doane. 1,827,075; Oct. 13.
Feeder, Ant poison. L. A. Mattes. 1,804,426; May 12.
Feeder, Automatic fuel. R. H. Stull. 1,820,507; Aug. 25.
Feeder, Chick. E. W. Boyer. 1,815,964; July 28.
Feeder, Chick. C. H. Miller. 1,807,633; June 2.
Feeder, Chick. B. F. C. Morris. 1,810,782; June 16.
Feeder, Chicken. I. C. Drews and C. E. Boehm. 1,824,262; Sept. 22.
Feeder-cleaner and extracting machine, Combination. J. E. Mitchell. 1,805,221; May 12.
Feeder construction, Self. H. H. Helmers. 1,822,289; Sept. 8.
Feeder for comminuted materials. C. P. Harris. 1,831,561; Nov. 10.
Feeder, Hog. L. Biel. 1,805,902; May 19.
Feeder, Hog. J. D. Duuck. 1,814,673; July 14.
Feeder, Hog. C. D. Fink. 1,788,092; Jan. 6.
Feeder, Hog. J. P. Kopetka. 1,815,512; July 21.
Feeder, Hog. L. W. Oberly. 1,837,668; Dec. 22.
Feeder, Poultry. J. F. Cone. 1,795,712; Mar. 10.
Feeder, Poultry. L. Hawkins. 1,808,657; June 2.
Feeder, Poultry. J. F. Hintz. 1,825,524; Sept. 29.
Feeder, Poultry. A. R. Hoeft. 1,820,071; Aug. 25.
Feeder, Poultry. P. C. Lorcher. 1,790,385; Jan. 27.
Feeder, Poultry. W. A. McCollough. 1,822,302; Sept. 8.
Feeder, Poultry. A. Norton. 1,836,274; Dec. 15.
Feeder, Poultry. J. C. Palmer. 1,812,166; June 30.
Feeder, Poultry. D. E. Speicher. 1,829,682; Oct. 27.
Feeder, Poultry. H. F. Thumann. 1,810,230; June 16.
Feeder, Sanitary fowl. S. D. Swendsen. 1,831,828; Nov. 17.
Feeder, Stock. W. Ebersole. 1,791,863; Feb. 10.
Feeder, Stock bar. R. J. Miller. 1,815,574; July 21.
Feeding and cutting machine. P. W. Lehman. 1,819,033; Aug. 18.
Feeding and severing mechanism for wrapping machines, Adjustable sheet. J. P. Aldrich and H. A. Morris. 1,833,011; Nov. 24.
Feeding and spacing device. H. G. Allen. 1,808,588; June 2.
Feeding device. B. H. Berkenvelder. 1,788,228; Jan. 6.
Feeding device. W. T. Birdsall. 1,804,143; May 5.
Feeding device. J. H. Fulmer. 1,814,683; July 14.
Feeding device. J. E. Lodge. 1,810,023; June 16.
Feeding device. C. L. Post. 1,826,020; Oct. 6.
Feeding device. E. W. Ruth. 1,815,679; July 21.
Feeding device. W. A. Smith, Sr. 1,788,034; Jan. 6.
Feeding device. W. A. Smith, sr., and W. A. Smith, jr. 1,835,675; Dec. 8.
Feeding device. W. A. Smith, sr., and F. H. Thomas. 1,838,459; Dec. 29.
Feeding device. W. E. Tomlinson. 1,791,175; Feb. 3.
Feeding device, Animal. E. R. Rummell. 1,832,999; Nov. 24.
Feeding device, Automatic. L. J. Sauer. 1,817,103; Aug. 4.
Feeding device, Automatic. L. J. Sauer. 1,817,211; Aug. 4.
Feeding device, Automatic poultry. M. J. Warek. 1,804,239; May 5.
Feeding device for animals. F. A. Garvey. 1,831,593; Nov. 10.
Feeding device for meat choppers and the like. J. W. Kautzman and J. H. Parker. 1,821,344; Sept. 1.
Feeding device, Poultry. O. C. White. 1,805,859; May 19.
Feeding device, Stock. J. S. Stull. 1,806,130; May 19.
Feeding mechanism. F. Ashworth. 1,824,064; Sept. 22.
Feeding mechanism. R. C. Danly. 1,828,595–7; Oct. 20.
Feeding mechanism. S. Halvorsen. 1,804,610; May 12.
Feeding mechanism. E. W. Larsen. 1,815,262–3; July 21.
Feeding mechanism. C. F. Osgood. 1,824,495; Sept. 22.
Feeding mechanism. W. E. Reed. 1,817,099; Aug. 4.
Feeding mechanism. J. G. Tsagaris. 1,825,431; Sept. 29.
Feeding of mixing ingredients to concrete and mortar mixing machines, Device for the proportionate. R. Hahn. 1,823,270; Sept. 15.
Feeding strips, Mechanism for. G. Goddu. 1,788,459; Jan. 13.
Feeding unit, Poultry-. S. M. Redfield. 1,795,377; Mar. 10.
Feeds, Preparation of mineral. G. F. Pfeiffer. 1,825,475; Sept. 29.
Feeler. F. F. Schmanska. 1,826,637; Oct. 6.
Feeler control gauge. R. J. Brittain. 1,835,459; Dec. 8.
Feeler control gauge. S. E. Stockwell, E. A. Murdock, C. J. Winzig, and E. F. Morris. 1,811,480; June 23.
Feeler gauge. E. Le Blond. 1,837,556; Dec. 22.
Feeler mechanism. J. C. Brooks. 1,823,423; Sept. 15.
Feeler mechanism, Side-slipping. M. M. Payne. 1,799,118; Mar. 31.
Felly and rim construction. E. A. Nelson. 1,813,192; July 7.
Felly, Demountable. A. M. Lofland. 1,819,297; Aug. 18.
Felly, Extension. R. S. Burdette. 1,805,036; May 12.
Felt and article made therefrom, Water laid. H. P. Shopneck. 1,799,931; Apr. 7.
Felt articles, Apparatus for and method of shrinking, etc. H. A. Genest. 1,821,432; Sept. 1.
Felt articles, Apparatus for and method of shrinking. H. A. Genest. 1,834,913; Dec. 1.
Felt for use in paper-making machines, Dryer. T. Hindle. 1,801,081; Apr. 14.
Felt, Paper maker's drier. T. Hindle. 1,812,148; June 30.
Felt, Paper maker's drier. T. Hindle. 1,834,343; Dec. 1.
Felt, Saturating double width. F. B. Manker. 1,831,630; Nov. 10.
Felted material and manufacturing the same. T. B. Munroe and E. C. Lathrop. 1,819,194; Aug. 18.
Felting machine. H. M. Zoerb and R. W. Buettner. 1,838,727; Dec. 29.
Felting, Mineral fiber. F. C. Russell and C. L. Savidge. 1,806,024; May 19.
Felts to glass polishing blocks, Apparatus for applying. A. E. Evans. 1,818,975; Aug. 18.
Fence. W. E. Ward. 1,801,890; Apr. 21.
Fence and feeder, Combined poultry. C. E. Heim. 1,837,044; Dec. 15.
Fence bracket. M. C. Thom. 1,800,116; Apr. 7.
Fence connection. W. E. Ward. 1,808,272; June 2.
Fence construction, Highway-guard-. A. Johnson. 1,800,641; Apr. 14.
Fence corner brace. J. B. Maserang. 1,795,728; Mar. 10.
Fence fabric, Forming wire. F. J. Mafera. 1,811,511; June 23.
Fence fixture, Highway-guard-. R. G. Williams. 1,788,501; Jan. 13.
Fence fixture, Highway guard. R. G. Williams. 1,836,566; Dec. 15.
Fence for jointers. H. E. Tautz. 1,790,288; Jan. 27.
Fence, Highway guard. W. E. White. 1,824,454; Sept. 22.
Fence, Illuminated. G. M. C. Lucas. 1,794,467; Mar. 3.
Fence making machine, Wire. M. Haidekker. 1,826,515; Oct. 6.
Fence, Metal. J. F. Soucy. 1,811,370; June 23.
Fence or grille fabric, Wire. A. A. G. Land. 1,816,381; July 28.
Fence panel coupling. C. A. Spaugh. 1,811,335; June 23.
Fence post. J. P. Eisenmann. 1,795,544; Mar. 10.
Fence post. F. L. Lindemuth. 1,793,106; Feb. 17.
Fence post. H. Nielsen. 1,817,832; Aug. 4.
Fence post. M. Y. Reynders. 1,800,904; Apr. 14.
Fence post. A. R. Sollenberger. 1,792,331; Feb. 10.
Fence post. H. W. Wolf. 1,791,295; Feb. 3.
Fence post anchor plate. F. G. Carrel. Des. 84,396; June 16.
Fence post brace. C. A. Spaugh. 1,811,217; June 23.
Fence-post clamp. E. J. Paque. 1,798,754; Mar. 31.
Fence post clamp. L. W. Peters. 1,814,228; July 14.
Fence-post clamp. J. F. Swenson. 1,791,692; Feb. 10.
Fence protector. W. J. Davis. 1,801,415; Apr. 21.
Fence, Snow. C. L. Brown. 1,799,952; Apr. 7.
Fence, State highway guard. R. G. Williams. 1,808,196; June 2.
Fence strap. J. M. Mason. 1,796,383; Mar. 17.
Fence structure. W. H. Sommer. 1,821,731; Sept. 1.
Fence wire connection. C. A. Spaugh. 1,811,216; June 23.
Fence wire crimper. F. Loveless. 1,824,219; Sept. 22.
Fence wire fabric. N. S. Harter. 1,831,908; Nov. 17.
Fender. H. W. Lockwood. 1,815,413; July 21.
Fender and body roller. L. H. and H. C. Bridwell. 1,802,232; Apr. 21.
Fender and brake, Vehicle. J. Colombo. 1,816,005; July 28.
Fender and guard. F. C. Merrilies. 1,807,044; May 26.
Fender and head lamp, Combined. J. R. Hughes. Des. 83,445–6; Feb. 24.
Fender and headlamp, Combined. P. W. Pomeroy. Des. 83,697–8; Mar. 17.
Fender and head lamp, Combined. W. H. Weber. Des. 83,482; Feb. 24.

Fender and lamp casing for vehicles, Combined. J. H. Hughes. Des. 84,934; Aug. 25.
Fender and tire well, Combination. T. J. McCormick and R. E. Linn. Des. 83,235; Feb. 3.
Fender, Automobile. E. O. Shreffler. 1,828,451; Oct. 20.
Fender curtain for automobiles. E. H. Hammond. 1,796,600; Mar. 17.
Fender for vehicles. S. S. Scott and E. A. Turner. 1,798,278; Mar. 31.
Fender guard. J. G. MacPhail. 1,800,272; Apr. 14.
Fender protector. J. J. Conway. 1,811,494; June 23.
Fender, Resilient automobile. M. Nastri. 1,827,435; Oct. 13.
Fender, Tractor wheel. R. H. Kipp and W. H. Thompson. 1,811,054; June 23.
Fender welt and making the same. R. C. Schemmel. 1,808,259; June 2.
Fenders, Attachment for auto. J. W. Outterside. 1,817,705; Aug. 4.
Fenders, parking lamps, headlamps, and brackets therefor for vehicles, Combination of. J. R. Hughes. Des. 85,650; Dec. 1.
Fermentation device. G G. Schaut. 1,834,536; Dec. 1.
Fern stand. S. L. Cooper. 1,808,402; June 2.
Ferrochrome, Chlorination of. F. S. Low, M. C. Taylor, and J. K. Berresford. 1,814,392–3; July 14.
Ferrochrome, Refining. K. M. Simpson. 1,826,261; Oct. 6.
Ferro-phosphorous into ferric phosphate ($FePO_4$) by roasting in air or other gases containing oxygen, Conversion of. Conway, B. v. G., and H. Weidmann. 1,807,767; June 2.
Ferrous products faced with stable surface alloys, Making. P. A. E. Armstrong. 1,813,654; July 7.
Ferrule for blasting cartridges. W. A. McCurdy. 1,827,032; Oct. 13.
Ferrules, Method of and apparatus for making. L. T. Goldsborough. 1,811,580; June 23.
Fertilizer. C. F. Rayfield. 1,813,765; July 7.
Fertilizer and producing the same, Granular. J. T. Travers and O. M. Uhbain. 1,810,802; June 16.
Fertilizer and the like, Device for distributing. H. T. Seaman. 1,806,025; May 19.
Fertilizer disk mixer. H. P. Wright. 1,821,048; Sept. 1.
Fertilizer dispensing device. R. Shaffer. 1,814,572–3; July 14.
Fertilizer distributor. C. J. Allen. 1,796,679; Mar. 17.
Fertilizer distributor. J. S. Chilton. 1,788,984; Jan. 13.
Fertilizer distributor. C. L. Day and D. J. Bernard. 1,798,069; Mar. 24.
Fertilizer distributor. B. Drew. 1,812,739; June 30.
Fertilizer distributor. H. M. Johnston and O. H. Shenstone. 1,805,096; May 12.
Fertilizer distributor. F. Maciejski. 1,802.059; Apr. 21.
Fertilizer distributor. D. E. Speicher. 1,793,197; Feb. 17.
Fertilizer distributor. H. M. Whitaker and M. D. Overstreet. 1,819,935; Aug. 18.
Fertilizer distributors, Ridging attachment for. J. O. Cecil. 1,833,409; Nov. 24.
Fertilizer distributing attachment. R. D. Moberly. 1,830,123; Nov. 3.
Fertilizer from residues of distilleries and sugar factories, Manufacture of. Z. Metzl. 1,799,176; Apr. 7.
Fertilizer, Manufacturing phosphatic. E. H. Wight, W. H. Waggaman, and B. Ober. 1,837,305; Dec. 22.
Fertilizer material. H. J. Krase, H. C. Hetherington, and L. A. Pinck. 1,797,095; Mar. 17.
Fertilizer, Mixed. O. Kaselitz and F. Pohle. 1,833,680; Nov. 24.
Fertilizer mixtures, Manufacturing. B. Ober and E. H. Wight. 1,837,328; Dec. 22.
Fertilizer obtainable by heating ammonium thiocyanate. O. Ripke. 1,793.133; Feb. 17.
Fertilizer, Preparing phosphatic. B. Ober and E. H. Wight. 1,837,331; Dec. 22.
Fertilizer, Producing. H. Breneek. 1,799,882; Apr. 7.
Fertilizer, Producing. S. M. Doolittle. 1,810,239; June 16.
Fertilizers, Manufacture of. E. Johnson. 1,834,454; Dec. 1.
Fertilizers. Manufacturing compound. E. Johnson. 1,821,309; Sept. 1.
Fertilizers, Manufacturing phosphatic. B. Ober, E. H. Wight, and W. H. Waggaman. 1,837,332; Dec. 22.
Fertilizers, Producing. A. Holz. 1,819,464; Aug. 18.
Fertilizers, Producing. A. Holz. 1,826.785; Oct. 13.
Fertilizers, Production of. R. Goldberg and K. O. Schmitt. 1,788,828; Jan. 13.
Fiber and yarn from unretted flax plants, Producing. H. C. Watson. M. Waddell. 1,795.528; Mar. 10.
Fiber articles, Manufacture of impregnated. M. O. Schur. 1,803,409; May 5.
Fiber bleaching. J. Neumann. 1,828,338; Oct. 20.
Fiber board and its manufacture. D. M. Sutherland, jr. 1,790,178; Jan. 27.
Fiber board by continuous filter process, Making. E. H. Hussey. 1,831,599; Nov. 10.
Fiber board, Manufacture of. E. H. Hussey. 1,804,560; May 12.
Fiber drier. B. S. Summers. 1,831,978; Nov. 17.
Fiber, fabric, and article containing organic derivatives of cellulose. C. Dreyfus and H. Platt. 1,798,836; Mar. 31.
Fiber filled woven fabric, Making. C. H. Crowell. 1,820,122; Aug. 25.
Fiber for conversion into derivatives, Preparation of cellulose. G. A. Richter, M. O. Schur, and R. H. Rasch. 1,833,975; Dec. 1.
Fiber from bagasse or like stalks, Liberating. G. A. Richter. 1,811,864; June 30.
Fiber from wood and wood waste, Preparing. P. G. Hildebrandt. 1,803,443; May 5.
Fiber-liberating process. G. A. Richter and M. O. Schur. 1,790,838; Feb. 3.
Fiber liberation, Cyclic process of. G. A. Richter. 1,826,825; Oct. 13.
Fiber liberation, Multiple-step process of. G. A. Richter. 1,819,003; Aug. 18.
Fiber or paper fork. A. Bothe. 1,818,296; Aug. 11.
Fiber preparing treatment of bast or vegetable fiber plants. F. McCaw. 1,807,221; May 26.
Fiber product. A. Gerard and M. Weisman. 1,837,261; Dec. 22.
Fiber product and manufacture, Hard grainless. W. H. Mason. Re18,233; Oct. 20.
Fiber product and process of manufacture, Hard grainless. W. H. Mason. 1,789,825; Jan. 20.
Fiber product and producing same. G. A. Richter. 1,793,194; Feb. 17.
Fiber reclaiming device for revolving flat cards, Staple. C. Gégauff and J. Pfiimlin. 1,825,948; Oct. 6.
Fiber sealer. R. H. Price. 1,834,420; Dec. 1.
Fiber, Water-laid felt, leather. H. P. Shopneck. 1,791,538; Feb. 10.
Fiber, Water-laid felt, wool. H. P. Shopneck. 1,791,537; Feb. 10.
Fiber with sulphur and vat dyestuffs, Dyeing and printing natural. C. Schoeller. 1,815,990; July 28.
Fibers and apparatus therefor, Wet process for treatment of. E. Gminder. 1,799.685; Apr. 7.
Fibers and the like, Apparatus for treating. K. M. Van Rensselaer and H. R. Swanson. 1,805.117; May 12.
Fibers, Decomposing lignified. W. Seidel and R. Fingado. 1,804,893; May 12.
Fibers, Device for treating. M. Buroff. 1,815,493; July 21.
Fibers, Dyeing and printing vegetable. G. Kränzlein and H. Vollmann. 1,823,946; Sept. 22.
Fibers from cocoanuts, Production of. E. Elod and L. Thomas. 1,831,740; Nov. 10.
Fibers in a precipitating bath, Apparatus and method for spinning. A. P. Furman. 1,818,549; Aug. 11.
Fibers of textile materials, Treating the. E. Gminder. 1,796,598; Mar. 17.
Fibers, Opening and preparing artificial staple. M. F. Thoma. 1,799,399; Apr. 7.
Fibers or fibrous materials, Treatment of. R. D. Coghill. 1,825,178; Sept. 29.
Fibers, Preparing. J. A. Wiener and J. B. Harmon. 1,831,940; Nov. 17.
Fibers, Preservation of. T. B. Munroe and E. C. Lathrop. 1,813,632; July 7.
Fibers, Process and apparatus for degumming, washing, and drying. R. L. Pritchard. 1,824,928; Sept. 29.
Fibers, Treatment of. H. G. Reichard. 1,805,316; May 12.
Fibers with a gaseous current such as ozonized air, Apparatus for bleaching textile. E. Crespi and M. P. Otto. 1,823,352; Sept. 15.
Fibre can. D. G. Magill. 1,801.514; Apr. 21.
Fibre from unretted plant stalks and article obtained thereby, Obtaining spinning. G. A. Lowry. 1,837,228; Dec. 22.
Fibrous articles and their manufacture, Water resistant. D. F. Smith, E. J. Pieper, and C. C. Vogt. 1,809,316; June 9.
Fibrous blocks, Manufacturing. R. B. Fuller. 1,805,981; May 19.
Fibrous masses, Manufacture of distended. A. L. Spafford. 1,821,856; Sept. 1.
Fibrous material, Coated. R. E. Garrett. 1,811,925; June 30.
Fibrous material, Drawing mechanism for. G. West. 1,799,448; Apr. 7.
Fibrous material, Manufacture of rubber-impregnated. G. A. Richter and R. B. Hill. 1,787,952; Jan. 6.
Fibrous material, Marking. H. B. Leary, jr. 1,800,146; Apr. 7.
Fibrous material preliminary to making pulp, Treating. J. S. Busch. 1,818,039; Aug. 11.
Fibrous material, Process and apparatus for digesting. P. W. Neil. 1,815,576; July 21.
Fibrous material, Process and apparatus for disintegration of. W. H. Mason. 1,824.221; Sept. 22.
Fibrous material, Producing. S. D. Wells. 1,807,111; May 26.
Fibrous material, System for cooking. T. L. Dunbar. 1,798,525; Mar. 31.
Fibrous material, Treating. L. A. Goodman. 1,829,702; Oct. 27.
Fibrous material, Treatment of. H. Friedlander. 1,803,936; May 5.
Fibrous material, Treatment of. L. Lilienfeld. 1,829,904–6; Nov. 3.
Fibrous material with liquids, Apparatus for impregnating. E. S. Pearce. 1,807,600; June 2.
Fibrous materials, Dyeing. J. Nüsslein. 1,821,476; Sept. 1.

Fibrous materials for pulping purposes, Process of and apparatus for treating. J. H. Wallin. 1,820,994; Sept. 1.
Fibrous materials in the production of prepared roofing materials, Saturating. R. MacLean. 1,816,596; July 28.
Fibrous materials metallized with a noble metal, Manufacture of metallized. F. Neuber and R. Nowak. 1,790,615; Jan. 27.
Fibrous materials or textiles, Treating. J. Nüsslein. 1,835,422; Dec. 8.
Fibrous materials, Treating. F. W. Broderick. 1,792,805; Feb. 17.
Fibrous products, Manufacture of waterproof. A. L. Clapp. 1,793,839; Feb. 24.
Fibrous sheet. J. F. Palmer. 1,803,129; Apr. 28.
Fibrous sheet material, Manufacture of. F. W. Young. 1,794,433; Mar. 3.
Fibrous structure, Integral felted. R. E. Hall. 1,838,761; Dec. 29.
Fibrous structures, Manufacture of laminated. H. A. Cumfer. 1,802,880; Apr. 28.
Field control, Automatic. N. E. Lindenblad. 1,830,170; Nov. 3.
Field control device. R. W. Carlisle. 1,811,454; June 23.
Field control device. R. W. Carlisle. 1,811,536; June 23.
Field eliminator, External. E. F. Northrup. 1,834,725; Dec. 1.
Field glass. O. E. Trautmann. Des. 83,585; Mar. 3.
Field pointing machine. H. Parker. 1,811,894; June 30.
Field threading and squaring machine. H. Parker. 1,811,893; June 30.
Fifth wheel. G. L. Knox. 1,793,808; Feb. 24.
Figure device. E. H. and F. W. Young. 1,793,890; Feb. 24.
Figure for display of garments, Lay. A. Vigneau. Des. 83,586; Mar. 3.
Figure of a bird. F. C. Ruppel. Des. 83,176; Jan. 27.
Figures constituted by strips or rods, Cut out. J. G. Mompou. 1,827,599; Oct. 13.
Figures on textile material by mercerization, Producing fancy. E. Gminder. 1,811,846; June 30.
Filament and making it, Coiled. F. Koref and K. Moers. 1,815,779; July 21.
Filament arrangement. S. E. Brown. 1,792,806; Feb. 17.
Filament for incandescent lamps. T. E. Foulke. 1,800,012; Apr. 7.
Filament, Luminous. H. A. Gardner. 1,791,199; Feb. 3.
Filament mounting. W. Weingartner. 1,807,885; June 2.
Filament-mounting machine. C. G. Blom. 1,795,195; Mar. 3.
Filament mounting machine. W. Ledig and W.-W. Loebe. 1,816,683; July 28.
Filament-support making and inserting machine. H. M. H. Reufel, H. De Jong, and W. G. F. Wentink. 1,801,108; Apr. 14.
Filaments, Activating. L. Thompson. 1,790,449; Jan. 27.
Filaments, Heating. H. J. Round. 1,815,131; July 21.
Filaments, Method and machine for mounting coiled. J. Regenstreif. 1,791,378; Feb. 3.
Filaments or threads, Process and apparatus for the production of artificial. H. Dreyfus, E. Kinsella, J. Bower, and W. I. Taylor. 1,814,468; July 14.
Filaments, Process and apparatus for making. G. F. Taylor. 1,793,529; Feb. 24.
Filaments, Stretch-spinning artificial. C. Herrmann. 1,812,592; June 30.
Filaments, Treating. G. E. Inman and W. P. Zabel. 1,834,781; Dec. 1.
Filaments, Treatment of metallic. J. H. Ramage. 1,826,524;; Oct. 6.
File and sheath therefor, Nail. O. Altenbach. 1,835,583; Dec. 8.
File appliance, Record-. E. W. Davis. 1,794,444; Mar. 3.
File case, Visible. L. E. Hutchings. 1,811,633; June 23.
File cutting apparatus and making files. E. A. Anheuser. 1,829,385; Oct. 27.
File for letters or other papers. J. F. Dixon. 1,805,939; May 19.
File guide. H. Forsyth. 1,829,588; Oct. 27.
File handle. C. T. Gillaspy. 1,796,249; Mar. 10.
File, Index. L. E. Hutchings. 1,820,003; Aug. 18.
File, Letter. P. Glück. 1,792,421; Feb. 10.
File, Loose leaf. R. R. Webb. 1,827,273; Oct. 13.
File or the like, Envelope. M. Kline. 1,794,180; Feb. 24.
File, Paper. R. C. Finch. 1,815,765; July 21.
File, Paper. T. Rengmann. 1,824,791; Sept. 29.
File, Record. C. I. Wagner. 1,790,451; Jan. 27.
File, Road. C. F. Goddard. 1,829,591; Oct. 27.
File, Self sorting card. C. E. Tumminello. 1,819,929; Aug. 18.
File, Storage. A. C. Strayer. 1,817,427; Aug. 4.
File system. R. J. Wood. 1,819,666; Aug. 18.
File, Ticket. K. Seifert and E. Sachse. 1,817,466; Aug. 4.
File, Visible. R. E. Bauder. 1,822,878; Sept. 15.
Filer, Flue. C. E. Ferguson and C. E. Shockency. 1,822,773; Sept. 8.
Filer for cotton gins, Saw. C. H. Thayer. 1,798,285; Mar. 31.
Filer, Gin-saw. M. I. Flowers. 1,793,361; Feb. 17.
Files, temporary binders, loose leaf books and the like. G. H. Guyatt. 1,820,222; Aug. 25.
Filing and recording system. Z. Auerbach. 1,795,698–9; Mar. 10.
Filing apparatus. R. McKnight. 1,827,296; Oct. 13.
Filing appliance of numerous applications. P. Diaz. 1,822,273; Sept. 8.
Filing device. J. T. Conway. 1,803,997; May 5.
Filing device. G. J. Evans. 1,798,321; Mar. 31.
Filing device. R. C. and J. C. Russell. 1,831,510; Nov. 10.
Filing device. J. C. Seyl. 1,814,191; July 14.
Filing device, Visible index. C. Wittenmyer. 1,803,823; May 5.
Filing means, Temporary. H. H. Martin. 1,797,355; Mar. 24.
Filing system. A. A. Ainsworth. 1,825,845; Oct. 6.
Filler. B. W. Moehle. 1,795,613; Mar. 10.
Filler blocks in hot blast stove flues, Installing. H. W. Johnson. 1,833,579; Nov. 24.
Filler, Heat insulating. N Ishida. 1,832,710; Nov. 17.
Filler mechanism. E. Mallinckrodt, jr. 1,828,117; Oct. 20.
Filler opening for receptacles, Closure for. F. F. Begue and J. A. McIntosh. 1,805,562; May 19.
Filler pipe. E. F. Fisher. 1,824,538; Sept. 22.
Filler strip for drop center wheel rims. J. L. Wilson. 1,820,857; Aug. 25.
Filling and capping apparatus. R. L. Drake. 1,828,889; Sept. 22.
Filling and capping machine for containers. C. Barbieri. 1,837,396; Dec. 22.
Filling and draining device. W. H. Scott. 1,826,829; Oct. 13.
Filling and venting device. R. J. Anschicks. 1,814,656; July 14.
Filling body for reaction and washing towers. E. Berl 1,796,501; Mar. 17.
Filling device. G. W. Owen. 1,814,259; July 14.
Filling device. A. Stevens. 1,804,445; May 12.
Filling machine. W. Anderson. 1,836,741; Dec. 15.
Filling machine. F. L. Borchert. 1,791,611; Feb. 10.
Filling machine. W. J. Maxwell. 1,791,825; Feb. 10.
Filling machine. J. J. Mojonnier and H. R. Phillips. 1,794,388; Mar. 3.
Filling machine. J. J. Mojonnier and H. R. Phillips. 1,795,312; Mar. 10.
Filling machine. C. T. Small. 1,823,174; Sept. 15.
Filling machine, Bag-. J. Pelletier. 1,800,657; Apr. 14.
Filling mechanism for fountain pens. K. S. Parker. 1,821,477; Sept. 1.
Filling station. J. L. Smith. Des. 84,304; June 2.
Film-advancing means for cinematographic view-taking apparatus. A. L. V. C. Debrie. 1,789,222; Jan. 13.
Film and making same, Talking moving picture. H. E. Chipman. 1,832,097; Nov. 17.
Film and making the same, Combined sound and view. D. G. Shearer. 1,829,912; Nov. 3.
Film and making the same, Photographic. V. Bausch, jr. 1,787,564; Jan. 6.
Film and manufacturing the same, Color screen. R. Ruth. 1,805,009; May 12.
Film apparatus, Sound. E. W. Kellogg. 1,839,037; Dec. 29.
Film box. E. Goldberg and O. Fischer. 1,804,500; May 12.
Film, Camera using roll. G. Milligan. 1,814,727; July 14.
Film, Cellulose. S. E. Sheppard and J. G. McNally. 1,808,998; June 9.
Film, Cinematograph. A. H. Smith. 1,806,122; May 19.
Film contact system. F. E. Garbutt. 1,828,364; Oct. 20.
Film controlled switch. H. C. Tittle. 1,821,775; Sept. 1.
Film copying device, Photographic. L. Horst. 1,823,400; Sept. 15.
Film driving. C. L. Heisler. 1,808,551; June 2.
Film driving mechanism. C. L. Heisler. 1,831,562; Nov. 10.
Film editing machine. O. Wittel. 1,804,730; May 12.
Film flat in roll-film cameras, Holding. J. Christie. 1,817,965; Aug. 11.
Film for phonographic records. H. Küchenmeister. 1,836,124; Dec. 15.
Film for picture and sound-reproduction, Photographic. A. F. Sulzer. 1,831,792; Nov. 10.
Film for use in sound reproduction, Tinting. A. A. Young. 1,823,246; Sept. 15.
Film gate. F. H. Owens. 1,808,252; June 2.
Film holding device, Moving picture. H. W. Faunce. 1,835,479; Dec. 8.
Film in projecting apparatus, Device for permitting the continuous feeding of the. P. G. H. Hallongren. 1,825,953; Oct. 6.
Film, Light protected motion picture. P. Favour. 1,826,695; Oct. 6.
Film magazine, Motion picture. W. A. Bruno. 1,825,142; Sept. 29.
Film, Manufacture of cellulose acetate. A. F. Sulzer. 1,833,136; Nov. 24.
Film marking device. J. Arnold. 1,810,002; June 16.
Film matching means, Sound and picture. F. H. Owens. 1,824,294; Sept. 22.
Film material, Multicolor cinematograph. J. E. Thornton. 1,819,981; Aug. 18.
Film, Method and apparatus for tinting photographic. J. G. Jones. 1,787,824; Jan. 6.
Film, Motion picture. P. Favour. 1,817,977; Aug. 11.
Film, Motion picture and sound. A. F. Sulzer. 1,831,793; Nov. 10.

Film moving and viewing apparatus. A. J. R. Barlatier. 1,796,432; Mar. 17.
Film moving mechanism, Intermittent. F. H. Owens. 1,834,496; Dec. 1.
Film, Moving picture. J. Burkhardt. 1,801,656; Apr. 21.
Film, Moving sound picture. E. I. Sponable. 1,835,536; Dec. 8.
Film numbering machine. P. C. Armitage. 1,817,728; Aug. 4.
Film of magnetizable material for episcopic projection. H. Köchenmeister. 1,808,046; June 2.
Film or sheet containing cellulose nitrate, Plastic. J. F. Walsh and T. E. Alcorn. 1,836,946; Dec. 15.
Film pack. D. L. Wood. 1,836,699; Dec. 15.
Film pack and developer holder therefor, Photographic. A. M. Josepho. 1,794,382; Mar. 3.
Film pack construction. H. A. Sauer. 1,823,295; Sept. 15.
Film pack, Photographic-. H. T. Gaseltine. 1,792,295; Feb. 10.
Film package. C. Bornmann. 1,828,955; Oct. 27.
Film printer, Photographic. F. B. Thompson. 1,813,000; July 7.
Film printers, Apparatus for. J. R. Malcolm and J. L. Spence, jr. 1,836,607; Dec. 15.
Film-printing apparatus. E. W. Kellogg. 1,791,450; Feb. 3.
Film printing apparatus, Motion picture. F. H. Owens. 1,803,404; May 5.
Film production, Method and apparatus for trick motion picture. M. Handschiegl. 1,802,944; Apr. 28.
Film-projecting machine. M. L. Zimmer. 1,797,066; Mar. 17.
Film, Protecting. J. H. Doorbar. 1,798,870; Mar. 31.
Film reel. A. C. Hayden. 1,799,748; Apr. 7.
Film reel. W. G. King and M. E. Krause. 1,829,095; Oct. 27.
Film reel and spindle. A. C. Hayden. 1,825,663; Oct. 6.
Film reel, Fireproof. A. Gentiluomo. 1,804,332; May 5.
Film reels to prevent binding of the film upon the reel flanges, Device for use with. K. C. Hamer and C. W. Rodgers. 1,792,690; Feb. 17.
Film-retaining device, Motion-picture. R. W. Arthur. 1,797,539; Mar. 24.
Film spool. H. A. de Vry. 1,813,990; July 14.
Film spool. D. T. Eighmey. 1,817,134; Aug. 4.
Film spool and mounting. A. F. Victor. 1,817,217; Aug. 4.
Film spool, Contractible. G. A. Mitchell. 1,838,432; Dec. 29.
Film spool, Photographic roll. P. Goldacker. 1,811,926; June 30.
Film stopping apparatus. E. W. Kellogg. 1,828,569; Oct. 20.
Film stopping device. K. Morsbach. 1,803,271; Apr. 28.
Film straightening device. G. C. Beidler. 1,807,274; May. 26.
Film support for photographic apparatus. F. H. Owens. 1,827,206; Oct. 13.
Film, Three-color cinematograph. L. J. B. Didier. 1,790,978; Feb. 3.
Film transporting device in a motion picture apparatus. L. Goldhammer. 1,805,579; May 19.
Film trap and film trap door. A. Dina. 1,830,158; Nov. 3.
Film treating apparatus. G. C. Beidler. 1,828,798; Oct. 27.
Film treating machine. G. Haynes. 1,181,209; June 16.
Film viewing and editing apparatus, Photographic. B. Stechbart. 1,803,411; May 5.
Film viewing machine. I. Serrurier. 1,815,486; July 21.
Film winding device, Automatic. T. Durman. 1,803,322; May 5.
Film winding device, Motion picture. O. Wittel. 1,823,245; Sept. 15.
Film with position indication. Motion-picture and sound. L. A. Jones. 1,787,825; Jan. 6.
Film with visible reproducible inscriptions, Photographic. H. Lummerzheim and E. Schnitzler. 1,828,974; Oct. 27.
Films, Accessory for photographic. P. Favour. 1,791,893; Feb. 10.
Films against ignition, Device for protecting. K. Hoffmann and M. Englemann. 1,821,515; Sept. 1.
Films and resulting product, Hardening gelatine. F. C. Atwood. 1,801,478; Apr. 21.
Films and the like, Apparatus for tinting motion picture. J. Burkhardt. 1,833,706; Nov. 24.
Films, Apparatus for drying. H. Hampel. 1,787,520; Jan. 6.
Films, Arrangement of perforations in cinematographic. J. H. Jarnier. 1,822,350; Sept. 8.
Films, Cellulose ester. C. J. Staud and T. F. Murray, jr. 1,826,679; Oct. 6.
Films, Device for measuring the opacity of. B. I. Hill. 1,798,203; Mar. 31.
Films, Device for projecting and reproducing. P. Brosse. 1,833,634; Nov. 24.
Films from edge fog, Device for protecting photographic roll. A. J. Denniss and V. W. Edwards. 1,794,280; Feb. 24.
Films in flat position during exposure, Method of and apparatus for holding photographic. A. H. Beck. 1,829,332; Oct. 27.
Films, Manufacture of cellulose. H. Krull. 1,815,513; July 21.
Films, Mechanism for recording data on. R. S. Hopkins. 1,836,714; Dec. 15.
Films, Method and device for producing color. O. and A. Pilny. 1,802,530; Apr. 28.
Films, Method of and apparatus for producing motion picture. O. Chouinard. 1,827,282; Oct. 13.
Films, Producing. M. Fleischer. 1,819,883; Aug. 18.
Films, Producing combined sound and picture. H. Vogt, J. Massolle, and J. Engl. 1,825,598; Sept. 29.
Films, Producing motion picture. F. L. Goldman. 1,815,251; July 21.
Films, Producing two color cinematograph positive. J. E. Thornton. 1,831,771; Nov. 10.
Films, Projection of reticulated. R. Berthon. 1,836,787; Dec. 15.
Films, Reproduction of sound. R. Koller. 1,825,529; Sept. 29.
Films, Roller support for traveling. F. H. Owens. 1,811,365; June 23.
Filter. E. M. Bassler. 1,793,449; Feb. 17.
Filter. A. Boulade. 1,797,399; Mar. 24.
Filter. A. A. Bull. 1,822,006; Sept. 8.
Filter. A. A. Bull. 1,836,308; Dec. 15.
Filter. A. A. Bull and T. I. Larsen. 1,812,927; July 7.
Filter. E. Burt. 1,808,917; June 9.
Filter. E. Burt. 1,819,700; Aug. 18.
Filter. W. I. Clayes. 1,831,094; Nov. 10.
Filter. C. B. Foley. 1,820,533; Aug. 25.
Filter. C. B. Foley. 1,824,079; Sept. 22.
Filter. A. S. Harrington. 1,836,920; Dec. 15.
Filter. J. B. Hills. 1,787,577; Jan. 6.
Filter. J. H. Hills. 1,820,974; Sept. 1.
Filter. A. Hopkins. 1,810,965; June 23.
Filter. G. B. Ingersoll. 1,797,198; Mar. 17.
Filter. A. C. Kracklauer. 1,830,664; Nov. 3.
Filter. A. C. Menge. 1,800,093; Apr. 7.
Filter. H. E. Pelletier. 1,822,452; Sept. 8.
Filter. J. A. Pickard 1,804,512; May 12.
Filter. E. B. Sisson. 1,833,919; Dec. 1.
Filter. A. Wright and F. W. Young. 1,825,295; Sept. 29.
Filter, Air. E. Bishop. 1,814,428; July 14.
Filter, Air. M. P. Durren. 1,829,344; Oct. 27.
Filter, Air. G. W. Earnest. 1,838,751; Dec. 29.
Filter, Air. C. P. Hegan. 1,789,931; Jan. 20.
Filter, Air. C. P. Hegan. 1,807,984; June 2.
Filter, Air. L. B. Hendrickson. 1,805,824; May 19.
Filter, Air. L. Klaff. 1,794,115; Feb. 24.
Filter, Air. J. Lederer. 1,788,164; Jan. 6.
Filter, Air. C. U. Pierson. 1,828,816; Oct. 27.
Filter, Air. J. J. Preble. 1,788,171; Jan. 6.
Filter and article therefor, Metallurgical. E. R. Crutcher, E. Waltman, and W. G. Woolf. 1,801,662; Apr. 21.
Filter and cleaning it. L. L. Dollinger. 1,830,097; Nov. 3.
Filter and closure for the same, Double passage. C. H. Gagen. 1,821,211; Sept. 1.
Filter and making the same. S. Wiltse. 1,790,036; Jan. 27.
Filter and press roll therefor. A. J. Haug. 1,836,243; Dec. 15.
Filter and skimmer, Oil. F. H. Linley and F. E. Boyd. 1,817,572; Aug. 4.
Filter and supporting same. E. J. Sweetland. 1,791,046; Feb. 3.
Filter and the like, Fluid. E. F. Deléry. 1,788,383; Jan. 13.
Filter apparatus. A. Jordahl. 1,816,854–5; Aug. 4.
Filter attachment for cameras, Diaphragming. O. Wittel. 1,813,691; July 7.
Filter, Automatic self cleaning automobile. A. Goodloe. 1,806,898; May 26.
Filter bag connecter. J. B. Berrigan. 1,811,533; June 23.
Filter, Continuous. A. L. Genter. 1,812,042; June 30.
Filter, Continuous. J. A. McCaskell. 1,835,796; Dec. 8.
Filter, Cream and ice-cream mix. J. J. Schlosser. 1,800,757; Apr. 14.
Filter device or system, Electric. J. J. Proskauer. and H. Shevers. 1,791,377; Feb. 3.
Filter discharging mechanism. W. Gardella. 1,812,648; June 30.
Filter, Drain. R. C. Worswick. 1,817,283; Aug. 4.
Filter, Dual fluid. L. Hatch. 1,794,768; Mar. 3.
Filter, Electrical. R. D. Amsden. 1,808,589; June 2.
Filter, Electrical. H. W. Houck. 1,824,819; Sept. 29.
Filter, Electrical wave. L. Espenschied. 1,795,204; Mar. 3.
Filter element. W. W. Nugent. 1,796,532; Mar. 17.
Filter, Fluid. B. H. Lundborg. Re18,114; June 30.
Filter for air and gases. E. Budil. 1,807,378; May 26.
Filter for air and other gases. E. L. Joseph. 1,806,400; May 19.
Filter for dust collectors. W. V. Paine. 1,813,896; July 7.
Filter for fine filtering of fluids especially fuel oils. T. V. Hemmingsen. 1,802,423; Apr. 28.
Filter for fuel injection lines of internal combustion engines. H. D. Hill. 1,835,047; Dec. 8.
Filter for gases, Rotatable plate type. A. Schirp. 1,831,369; Nov. 10.
Filter for internal combustion engines, Air. A. F. Pando. 1,817,265; Aug. 4.
Filter for lubricating systems. E. J. Hall and C. A. Winslow. 1,800,625; Apr. 14.
Filter for purifying cleaning solvents, gasoline, etc. E. E. Kelley. 1,838,263; Dec. 29.

Filter for separating dust from air or gas. E. W. von Waldenburg-Straus-Scharina. 1,806,513; May 19.
Filter for use on motor vehicles. S. L. Wolfson. 1,792,791; Feb. 17.
Filter for viscose solutions. T. L. Kirby. 1,811,795; June 23.
Filter, Gas. B. Richter. 1,836,131; Dec. 15.
Filter, Gasoline. H. Jacobson. 1,822,440; Sept. 8.
Filter head, Oil-. C. L. McCuen. 1,788,884; Jan. 13.
Filter installation, Oil. F. A. Bower. 1,806,537; May 19.
Filter, Liquid. A. L. Dorfner. 1,794,281; Feb. 24.
Filter, Liquid. E. A. Ohlson. 1,822,368; Sept. 8.
Filter material and making it. C. W. Studer. 1,829,618; Oct. 27.
Filter, Mechanical. S. J. Ricks and C. E. Douglas. 1,796,960; Mar. 17.
Filter, Multilayer. R. L. Sebastian and L. Finkelstein. 1,814,190; July 14.
Filter, Oil. A. A. Bull. 1,805,903; May 19.
Filter, Oil. C. W. McKinley. 1,830,742; Nov. 3.
Filter, Oil. H. H. Moreton. 1,806,701; May 26.
Filter, Oil. W. B. Sturgis. 1,809,429; June 9.
Filter, Oil. H. T. Woolson. 1,800,585; Apr. 14.
Filter opening means. W. H. Bacheldor. 1,813,601; July 7.
Filter, Panel air. L. L. Dollinger. 1,830,096; Nov. 3.
Filter, Pipe line. L. L. Dollinger. 1,830,095; Nov. 3.
Filter press. P. L. Dorner. 1,788,086; Jan. 6.
Filter press. A. A. Ouss. 1,801,933; Apr. 21.
Filter press. P. W. Prutzman. 1,833,335; Nov. 24.
Filter press. M. Wilderman. 1,833,101; Nov. 24.
Filter press leaf. F. J. Gainer, E. H. Payne, and W. Bacheldor. 1,830,994; Nov. 10.
Filter press leaf. R. L. Holcomb and E. E. Bartels. 1,818,623; Aug. 11.
Filter press, Tapered tube. H. H. Cannon. 1,812,773; June 30.
Filter, Register. C. and I. Broudy. 1,801,949; Apr. 21.
Filter, Replaceable element. E. J. Sweetland. 1,825,983; Oct. 6.
Filter, Rotatable gas. B. Richter. 1,826,256; Oct. 6.
Filter, Selector. P. Brosse. 1,830,637; Nov. 3.
Filter, Self cleaning. O. V. Greene. 1,818,391; Aug. 11.
Filter, Self-washing oil. J. W. Morrison. 1,798,950; Mar. 31.
Filter, Steel wool. W. H. Robbins and H. A. Toulmin, jr. 1,814,855; July 14.
Filter, Submerged continuous. E. J. Sweetland, J. V. Zenthoefer, and J. T. Hoyt. 1,796,492; Mar. 17.
Filter, Submerged drum. E. J. Sweetland. 1,796,491; Mar. 17.
Filter system. H. W. Houck. 1,833,867; Nov. 24.
Filter system, Adjustable electric. W. T. Wintringham. 1,830,896; Nov. 10.
Filter system for laundry machine. G. W. Dunham. 1,798,730; Mar. 31.
Filter system, Motor car. R. Audubert. 1,810,458; June 16.
Filter tank. R. E. Bressler and D. V. Moses. 1,822,689; Sept. 8.
Filter, Thermal. W. G. Wolfe. 1,813,521; July 7.
Filter tubes, Cleaning. H. H. Cannon. 1,801,539; Apr. 21.
Filter unit. J. J. Armstrong. 1,792,797; Feb. 17.
Filter unit for tube wells O. Laubner. 1,787,634; Jan. 6.
Filter, Water. R. B. Everson. 1,788,510; Jan. 13.
Filter, Water. V. S. Johnston. 1,811,755; June 23.
Filter, Water. L. E. Rabjohn and R. W. Hollenberg. 1,790,947; Feb. 3.
Filter, Wave. H. W. Bode. 1,814,238; July 14.
Filtering. C. R. Baker. 1,825,330; Sept. 29.
Filtering and apparatus therefor. S. P. Kramer. 1,806,471; May 19.
Filtering apparatus. W. G. Hasley. 1,821,707; Sept. 1.
Filtering apparatus. J. W. Hughes. 1,819,602; Aug. 18.
Filtering apparatus. J. J. Naugle. 1,793,289; Feb. 17.
Filtering apparatus. W. Sell. 1,810,090; June 16.
Filtering apparatus. W. J. Villavaso. 1,791,333; Feb. 3.
Filtering apparatus. E. W. Von Waldenburg-Straus-Scharine. 1,816,064; July 28.
Filtering apparatus, Leakproof. W. W. Nugent. 1,796,613; Mar. 17.
Filtering attachment for anæsthetizing machines. J. A. Heidbrink. 1,835,157; Dec. 8.
Filtering blow chamber. E. R. Powell. 1,837,836; Dec. 22.
Filtering device. J. H. Butler. 1,812,736; June 30.
Filtering device. J. P. McGlaughlin. 1,816,785; July 28.
Filtering device. B. F. Zimmerman. 1,828,484; Oct. 20.
Filtering material and method of filtering sugar juices. R. C. Campbell. 1,803,380; May 5.
Filtering means. J. J. Naugle. 1,813,073; July 7.
Filtering medium. H. H. Burhans. 1,833,315; Nov. 24.
Filtering method and apparatus. A. Szegvari and C. M. Spencer. 1,797,248; Mar. 24.
Filtering system, Electrical. H. W. Ka Dell. 1,821,016; Sept. 1.
Filtration. H. S. Hele-Shaw and J. A. Pickard 1,823,171; Sept. 15.
Filtration of decolorized oils, Hot. P. W. Prutzman. 1,818,274; Aug. 11.
Filtration process and apparatus. C. T. Cabrera. 1,789,425; Jan. 20.
Filtration process for breaking emulsions. H. C. Eddy. 1,807,833; June 2.
Filtration system. H. D. Elfreth. 1,794,841; Mar. 3.
Filters, Automatic spray header for horizontal self-cleaning. R. Strindberg. 1,831,782; Nov. 10.
Filters, Cleaning and coating air. C. H. Gagen. 1,816,836; Aug. 4.
Filters, diaphragms, and the like, Making porous. M. Wilderman. 1,815,959; July 28.
Filters, Fluid pressure discharge for continuous. J. T. Hoyt. 1,804,934; May 12.
Filters, Impregnation of. H. A. Kuhn and W. A. Boyle. 1,798,164; Mar. 31.
Filters, Impregnation of. N. E. Oglesby and R. S. Brown. 1,818,155; Aug. 11.
Filters used in purifying industrial wastes and other sewages, Cleaning trickling. M. Levine. 1,802,726; Apr. 28.
Fin for internal combustion engines, Cooling. E. H. Hamilton. 1,821,434; Sept. 1.
Fins to cylinders, Attaching. L. J. Purdy. 1,834,736; Dec. 1.
Finder, Focusing. O. A. Ross. 1,819,844; Aug. 18.
Finder ring. P. Krasnow. Des. 83,453; Feb. 24.
Finding. A. E. Waller. 1,836,142; Dec. 15.
Finding for clasps. A. E. Waller. 1,801,128; Apr. 14.
Finger and ring gauge, Combined. K. H. Kooyoomjian. 1,827,702; Oct. 13.
Finger board. L. R. Thorpe. 1,804,962; May 12.
Finger comb. M. F. Omundson. 1,795,500; Mar. 10.
Finger-exercising device. E. L. Roth. 1,798,385–6; Mar. 31.
Finger nail clip. H. A. Seymoure. 1,836,557; Dec. 15.
Finger ring. D. E. Carlson. Des. 83,953–4; Apr. 21.
Finger ring. F. Dinger. Des. 84,628; July 14.
Finger ring. J. Esterman and B. Gellman. 1,822,392; Sept. 8.
Finger ring. J. Granat. Des. 83,323; Feb. 17.
Finger ring. J. Granat. Des. 83,602–5; Mar. 10.
Finger ring. J. Granat. Des. 84,692–3; July 21.
Finger ring. J. Granat. Des. 85,285; Oct. 6.
Finger ring. J. Granat. Des. 85,380–1; Oct. 20.
Finger ring. J. J. Kagan. Des. 85,653; Dec. 1.
Finger ring. H. G. Kaufman. Des. 83,258; Feb. 10.
Finger ring. M. Marinelli. 1,794,784; Mar. 3.
Finger ring. W. C. Patt. 1,830,619; Nov. 3.
Finger ring. J. H. Schaeffer. Des. 84,657; July 14.
Finger ring. M. K. Weiler. Des. 85,900; Dec. 29.
Finger ring or similar article. A. Suderov. Des. 85,012; Sept. 1.
Finish, Interior wall. A. W. Schorger. 1,808,865; June 9.
Finish remover. J. G. Davidson. 1,812,321–2; June 30.
Finish remover. C. W. Simms. 1,835,724; Dec. 8.
Finish remover, Wax conditioned. C. Ellis. 1,838,908; Dec. 29.
Finishing and polishing machine. J. M. Nash. 1,823,625; Sept. 15.
Finishing for molded articles, Surface. G. H. Mains. 1,809,984; June 16.
Finishing machine. H. E. Dow. 1,838,812; Dec. 29.
Finishing welt. J. C. Dinsmore. 1,794,159; Feb. 24.
Fire alarm. J. S. Birtciel. 1,823,722; Sept. 15.
Fire alarm. F. Castronovo. 1,802,805; Apr. 28.
Fire alarm. M. L. Dougherty. 1,799,583; Apr. 7.
Fire alarm. T. C. Duncan. 1,811,716; June 23.
Fire alarm. C. O. Marklund. 1,800,801; Apr. 14.
Fire alarm, Automatic. J. E. Goodwin. 1,805,946; May 19.
Fire alarm, Automatic. J. R. Longworth and H. Hirst. 1,791,598; Feb. 10.
Fire alarm, Automatic. H. C. Osborn. 1,814,733; July 14.
Fire alarm, Automatic. R. B. Shryock and J. A. Ball. 1,829,067; Oct. 27.
Fire-alarm box. J. L. de Masquita. 1,794,157; Feb. 24.
Fire alarm, Watch or clock thermostatic. M. D. S. Riccio. 1,795,507; Mar. 10.
Fire and blowout control. L. M. Bettinger. 1,809,230; June 9.
Fire apparatus. J. A. Anania. 1,835,132; Dec. 8.
Fire apparatus. A. W. Orton. 1,812,978; July 7.
Fire apparatus and the like, Control for. C. M. Dean. 1,798,070; Mar. 24.
Firearm. C. H. Bierbaum. 1,817,058; Aug. 4.
Firearm. J. M. Browning. 1,806,736; May 26.
Firearm. J. Destree. 1,834,021; Dec. 1.
Firearm. C. B. Dygert and C. T. Van Alstine. 1,795,111; Mar. 3.
Firearm. J. M. P. Faure. 1,830,989; Nov. 10.
Firearm. E. Holek. 1,799,981; Apr. 7.
Firearm. C. C. Loomis. 1,795,223; Mar. 3.
Firearm. C. C. Loomis. 1,817,454; Aug. 4.
Firearm. C. C. Loomis. 1,828,329–30; Oct. 20.
Firearm. C. C. Loomis. 1,834,410; Dec. 1.
Firearm. E. McCoy. 1,835,715; Dec. 8.
Firearm. F. Minondo. 1,788,246; Jan. 6.
Firearm. O. F. Mossberg. 1,790,482; Jan. 27.
Firearm. O. V. Payne. 1,817,321; Aug. 4.
Firearm. J. D. Pedersen. 1,827,037; Oct. 13.
Firearm. E. G. Reising. 1,790,320; Jan. 27.
Firearm. C. L. Ross. 1,805,601; May 19.
Firearm. R. F. Sedgley. 1,788,443; Jan. 13.
Firearm actuated by compressed air, Automatic. B. A. Revelli. 1,803,946; May 5.
Firearm, Automatic. J. E. Browning. 1,801,071–3; Apr. 14.

Firearm, Automatic. J. E. Browning. 1,818,984; Aug. 18.
Fire arm, Automatic. J. M. Dickinson, jr. 1,835,286; Dec. 8.
Firearm, Automatic. K. Heinemann. 1,802,422; Apr. 28.
Firearm, Automatic. K. Heinemann. 1,825,904; Oct. 6.
Firearm, Automatic. C. Pfeiffer. 1,803,349; May 5.
Firearm, Automatic. L. Stange. 1,801,179; Apr. 14.
Firearm, Breakdown. F. F. Burton. 1,816,313; July 28.
Firearm for casting bombs and grenades by means of ordinary bullet cartridges, Portable. L. Savani. 1,816,265; July 28.
Firearm, Repeating. C. A. Young and G. E. and E. E. Peters. 1,837,512; Dec. 22.
Firearms, Adjustable locking mechanism for breakdown. F. F. Burton. 1,797,320; Mar. 24.
Fire arms, Automatic. K. Heinemann. 1,818,890; Aug. 11.
Firearms, Automatic. R. Von Frommer. 1,809,741; June 9.
Firearms. Breech mechanism for. J. M. Browning. 1,801,070; Apr. 14.
Firearms, Charging device. E. Holek. 1,821,385; Sept. 1.
Firearms, Device for loading. L. Orlando. 1,812,363; June 30.
Firearms. Firing mechanism for automatic. G. H. Tansley. 1,803,350; May 5.
Firearms for measuring angles in the field, Means on. L. E. M. C. Dahlberg. 1,804,825; May 12.
Firearms, Gas pressure regulating device. E. Holek. 1,802,816; Apr. 28.
Firearms having a recoiling barrel and an amplifying push lever, Automatic. C. Soncini. 1,809,222; June 9.
Firearms magazine. A. F. Gaidos. 1,797,951; Mar. 24.
Firearms, Night sight for. J. F. Key. 1,826,004; Oct. 6.
Fire arrester for combustible gas conduits. Back. C. H. Bichler. 1,810,814; June 16.
Fire-box construction. H. F. Braun. Re17,991; Mar. 10.
Fire box, Locomotive boiler. E. F. Smith. 1,822,937; Sept. 15.
Fire-box, Oil burning. R. Modell. 1,821,944; Sept. 8.
Fire control mechanism. E. S. Bissonette. 1,815,889; July 28.
Fire control of antiaircraft guns, Apparatus for use in the. P. W. Gray. 1,821,968; Sept. 8.
Fire control system. H. C. Ford. 1,813,534; July 7.
Firecracker. J. B. Decker. 1,801,489; Apr. 21.
Firecracker. T. G. Hitt. 1,825,589; Sept. 29.
Fire escape. J. Kolesza. 1,824,279; Sept. 22.
Fire escape. W. E. Robertson. 1,838,705; Dec. 29.
Fire escape. R. M. Stephens. 1,826,263; Oct. 6.
Fire escape. Safety. E. Bocchino. 1,808,492; June 2.
Fire extinguisher. R. W. Austin. 1,815,963; July 28.
Fire extinguisher. W. C. Bauer. 1,823,882; Sept. 22.
Fire extinguisher. N. Bellocchio. 1,791,343; Feb. 3.
Fire extinguisher. J. L. and W. B. Berggren. 1,830,822; Nov. 10.
Fire extinguisher. J. R. Boyd. 1,805,033; May 12.
Fire extinguisher. W. B. Bronander. 1,808,154; June 2.
Fire extinguisher. W. B. Bronander. 1,813,910; July 14.
Fire extinguisher. W. B. Bronander. 1,838,655; Dec. 29.
Fire extinguisher. C. A. Camp. 1,815,494; July 21.
Fire extinguisher. H. W. Doughty. 1,813,034; July 7.
Fire extinguisher. F. E. Dyson. 1,794,451; Mar. 3.
Fire extinguisher. R. C. Iddings. 1,824,599; Sept. 22.
Fire extinguisher. H. Leipold. 1,810,668; June 16.
Fire extinguisher. J. O. Lewis and I. L. Dunn. 1,803,025; Apr. 28.
Fire extinguisher. P. G. MacGregor. 1,790,825; Feb. 3.
Fire extinguisher. P. G. MacGregor. 1,793,860; Feb. 24.
Fire extinguisher. D. McErlane. 1,790,995; Feb. 3.
Fire extinguisher. C. W. Old. 1,804,477; May 12.
Fire extinguisher. G. T. Pearsons. 1832,817; Nov. 17.
Fire extinguisher. E. Paquette. 1,804,228; May 5.
Fire extinguisher. A. B. Phister. 1,794,982; Mar. 3.
Fire extinguisher. W. L. Roessner, E. Wheeler, and V. C. Smedley. 1,825,922; Oct. 6.
Fire extinguisher. C. S. Thompson. 1,813,367; July 7.
Fire extinguisher. W. D. Witter. 1,816,417; July 28.
Fire extinguisher and alarm. Combined. E. F. Pohl. 1,823,210; Sept. 15.
Fire extinguisher and sprayer. Portable. M. H. Smith. 1,798,708; Mar. 31.
Fire extinguisher and support therefor. W. B. Bronander. 1,816,892; Aug. 4.
Fire extinguisher. Automatic. M. Couten (born Dominget). 1,822,801; Sept. 8.
Fire extinguisher. Distributing. L. Van Sciver. 1,796,416; Mar. 17.
Fire extinguisher, Dry. W. Friedrich. 1,807,399; May 26.
Fire extinguisher, Film-. W. D. Wright. 1,790,565–6; Jan. 27.
Fire extinguisher, Foam-type. W. H. Banfil. 1,788,375; Jan. 13.
Fire extinguishing and burglary preventing means. F. W. Heckert. 1,837,619; Dec. 22.
Fire extinguishing apparatus. V. G. W. Gilbert. 1,802,144; Apr. 21.
Fire extinguishing apparatus. P. G. MacGregor. 1,803,859; May 5.
Fire extinguishing apparatus. D. Mapes. 1,818,147; Aug. 11.
Fire-extinguishing apparatus. A. C. Rowley. 1,798,034; Mar. 24.
Fire extinguishing apparatus. Foam-producing. J. R. Hamilton. 1,790,621; Jan. 27.
Fire extinguishing composition. W. L. Wedger and J. W. Edmands. 1,807,456; May 26.
Fire extinguishing device, Automatic. D. Siebenmann. 1,806,829; May 26.
Fire extinguishing device for gas and oil wells. T. R. Flesher. 1,831,488; Nov. 10.
Fire-extinguishing foam, Apparatus for producing. H. Burmeister. 1,792,810; Feb. 17.
Fire-extinguishing foam, Method of and apparatus for producing. R. M. Urquhart. 1,790,125; Jan. 27.
Fire-extinguishing material. D. J. Block. 1,793,420; Feb. 17.
Fire-extinguishing material. L. J. Dugas. 1,792,826; Feb. 17.
Fire-extinguishing process. C. Schneider. 1,813,586; July 7.
Fire extinguishers, Constructing. C. L. Williams. 1,826,684; Oct. 6.
Fire extinguishers, Support for portable. W. Kederis and B. M. Elfreth. 1,788,464; Jan. 13.
Fire extinguishing system. A. J. Loepsinger. 1,830,666; Nov. 3.
Fire fighting and fire protection. R. L. McElroy and J. E. Shepherd. 1,829,714; Oct. 27.
Fire fighting implement. G. M. Arthur. 1,803,831; May 5.
Fire, Imitation. C. H. Archer. 1,795,004; Mar. 3.
Fire in oil tanks, System for extinguishing. S. Moser. 1,787,792; Jan. 6.
Fire kindler. C. Blamfield. 1,810,388; June 16.
Fire kindler. W. M. Ketcham. 1,801,163; Apr. 14.
Fire kindler. W. J. Wolf. 1,798,443; Mar. 31.
Fire on cigarettes, Device for extinguishing. L. H. Offutt. 1,813,313; July 7.
Fireplace. J. J. Fouse. 1,824,263; Sept. 22.
Fireplace, Electric. A. Pritzker. 1,836,769; Dec. 15.
Fireplace heater. A. J. Hallert. 1,822,090–1; Sept. 8.
Fireplace or article of similar nature. M. Stettner. Des. 83,361; Feb. 17.
Fireplace screen. J. C. Youngblood. 1,832,680; Nov. 17.
Fireplaces, stoves, and the like. Device for preventing back draughts in. E. A. Meyer. 1,794,724; Mar. 3.
Fire pot construction. W. Blaskewitz. 1,824,533; Sept. 22.
Fire prevention device for oil wells. H. L. Simmonds. 1,824,411; Sept. 22.
Fire prevention system for tanks. S. H. Brooks 1,803,460; May 5.
Fire protection apparatus. J. R. Hamilton. 1,826,072; Oct. 6.
Fire protective and roof coiling device. C. T. Pierce. 1,813,880; Nov. 17.
Fireproofing mold. F. P. Kafka. 1,838,768; Dec. 29.
Fire tube boiler. H. B. Smith. 1,831,549; Nov. 10.
Fire tube boiler, Vertical. C. S. Chrisman. 1,812,513; June 30.
Fire wall. M. Liptak. 1,798,331; Mar. 31.
Firework composition. Detonating. W. F. Gehrig. 1,805,945; May 19.
Firework devices, Package for. B. Wolf. 1,812,311; June 30.
Fireworks. J. Gioiosa. 1,808,811; June 9.
Firing key. J. S. Jones. 1,837,185; Dec. 15.
Firing mechanism. G. M. McCann. 1,795,568; Mar. 10.
Fish, Apparatus for setting seed shell. S. Miyagi. 1,815,521; July 21.
Fish bait. F. L. B. Flood. 1,813,843; July 7.
Fish bait. R. Nelson. 1,814,450; July 14.
Fish bait. C. M. Rodgers. 1,814,571; July 14.
Fish bait. D. J. Spence. 1,795,238; Mar. 3.
Fish bait, Artificial. U. C. Pemberton and J. B. Johnson. 1,807,870; June 2.
Fish bait or lure. F. A. Arbogast. Re17,955; Feb. 10.
Fish bait or lure. I. S. Jordan. 1,791,316; Feb. 3.
Fish catching device. J. E. Nixon. 1,832,727; Nov. 17.
Fish-cleaning machine. W. A. Muller and B. C. Youman. 1,828,725; Oct. 20.
Fish control apparatus. M. R. Jeffrey. 1,804,989; May 12.
Fish-cutting machine. H. E. Bergen. 1,799,948; Apr. 7.
Fish deheader. W. E. Urschel. 1,814,983; July 14.
Fisherman's line drier. C. O. Sather and F. P. Sampson. 1,809,728; June 9.
Fish guard for irrigation ditches. M. Wyckoff. 1,825,169; Sept. 29.
Fishhook. C. T. Pflueger. 1,820,887; Aug. 25.
Fishhook. G. W. Pike. 1,791,083; Feb. 3.
Fishhook. M. M. Rodin. 1,803,561; May 5.
Fishhook and bait clamp, Combined. R. F. Hampton. 1,791,723; Feb. 10.
Fish hook and trap. H. C. Lipthrott. 1,804,355; May 5.
Fishhook and weed guard, Combined. J. E. Pflueger Re18,117; June 30.
Fishhook or catching device. M. M. Rodin. 1,803,560; May 5.
Fishhooks Device for the manufacture of. M. Topp. 1,792,556; Feb. 17.
Fish lure. A. Abrahams. 1,804,391; May 12.
Fish lure. H. G. Allen. 1,830,080; Nov. 3.
Fish lure. A. Carlson. 1,796,590; Mar. 17.
Fish lure. G. R. Ettles. 1,792 366; Feb. 10.
Fish lure. C. Heddon and J. T. Welch. 1,787,726; Jan. 6.
Fish lure. W. M. Jordan. 1,836,372; Dec. 15.
Fish lure. J. R. McIntosh. 1,831,870; Nov. 17.

Fish lure. G. F. Meehan. 1,832,037; Nov. 17.
Fish lure. J. B. Pagin. 1,787,733; Jan. 6.
Fish lure. A. F. Schnell. 1,806,088; May 19.
Fish lure. J. E. Speich. 1,803,777; May 5.
Fish lure. L. A. Winter. 1,832,172; Nov. 17.
Fish lure and grapple. W. J. Kenely. 1,810,565; June 16.
Fish lure and making the same. S. M. Wright and A. D. McGill. 1,813,722; July 7.
Fish lure and signal, Combined. A. H. Hatchett, sr. 1,823,937; Sept. 22.
Fish lure, Luminous. L. E. Wright. 1,833,241; Nov. 24.
Fish, Method of and apparatus for freezing. A. C. Walworth. 1,836,097; Dec. 15.
Fish lure, Multiple body artificial. H. J. Dick. 1,807,283; May 26.
Fish lure, Permanent. Y. Inami. 1,787,908; Jan. 6.
Fish-meal plants, Construction of. H. S. Rowton and V. W. Hänig. 1,793,638; Feb. 24.
Fish net. C. R. Blomquist. 1,800,592; Apr. 14.
Fishplate with lugs. O. B. Shahan. 1,805,421; May 12.
Fish scaler. C. Elfstedt. 1,838,752; Dec. 29.
Fish tail bit. S. Robichaux. 1,830,074; Nov. 3.
Fish tape puller. G. J. Roth. 1,809,068; June 9.
Fish trap. T. J. Goodrum. 1,817,185; Aug. 4.
Fish tail bit. O. E. Cone. 1,808,159; June 2.
Fish tail bit, Expansible. E. C. Weisgerber. 1,819,273; Aug. 18.
Fishtail bits, Making. C. W. Rehback. 1,799,318; Apr. 7.
Fish, Washing and brining. J. J. Barry. 1,821,201; Sept. 1.
Fishing apparatus. A. H. Harrington. 1,812,632; June 30.
Fishing apparatus. H. L. Luelloff. 1,819,034; Aug. 18.
Fishing apparatus. C. E. Raymond. 1,820,326; Aug. 25.
Fishing appliance. W. Schroeder. 1,816,235; July 28.
Fishing creel. J. F. Burch and A. H. Morton. 1,791,346; Feb. 3.
Fishing gaff, Adjustable. A. I. I. Woodring. 1,791,518; Feb. 10.
Fishing line. F. H. McCall. 1,805,410; May 12.
Fishing line alarm. W. E. Fisher. 1,815,402; July 21.
Fishing line reel. B. U. Rosch. 1,827,488; Oct. 13.
Fishing line float. L. H. Blake. 1,804,084; May 5.
Fishing line nontwist plate. J. S. Wear. 1,802,295; Apr. 21.
Fishing line sinker. J. D. Kopsho. 1,802,260; Apr. 21.
Fishing-line sinker. A. H. Samuel. 1,789,988; Jan. 27.
Fishing lure. E. S. Freeman. 1,816,725; July 28.
Fishing lure. W. M. Jordan. 1,797,234; Mar. 24.
Fishing lure. W. M. Jordan. 1,833,581; Nov. 24.
Fishing lure. F. McLaughlin. 1,808,565; June 2.
Fishing net provided with wing stretchers. J.-B. J. A. Vigneron. 1,800,270; Apr. 14.
Fishing-pole handle. R. R. Teetor. Des. 83,221; Feb. 3.
Fishing reel. R. B. Bennett. 1,816,889; Aug. 4.
Fishing reel. H. S. Broadwell and S. T. Thorpe. 1,819,724; Aug. 18.
Fishing reel. F. Burdick. 1,813,275; July 7.
Fishing reel. C. J. Clarke. 1,820,781; Aug. 25.
Fishing reel. C. J. Clarke. 1,831,738; Nov. 10.
Fishing reel. W. A. Foss. 1,811,266; June 23.
Fishing reel. A. E. and E. R. Hieser. 1,825,866; Oct. 6.
Fishing reel. S. G. Hirsch. 1,836,755; Dec. 15.
Fishline reel. J. B. Holden. 1,797,774; Mar. 24.
Fishing reel. C. T. Pflueger. 1,807,433; May 26.
Fishing reel. C. T. Pflueger and W. L. Adams. 1,836,869; Dec. 15.
Fishing reel. S. G. Russell. 1,797,023; Mar. 17.
Fishing reel. S. G. Russell. 1,815,382; July 21.
Fishing reel. S. G. Russell. 1,817,102; Aug. 4.
Fishing reel. W. Shakespeare, jr. 1,812,220; June 30.
Fishing reel. S. T. Thorpe. 1,814,234; July 14.
Fishing reel. S. T. Thorpe and L. Zipp. 1,819,723; Aug. 18.
Fishing reel attachment. H. S. Dills. 1,835,384; Dec. 8.
Fishing reel, Automatic. E. B. Perrine. 1,810,573; June 16.
Fishing reel, Free-spool. J. Kautzky, jr. 1,829,006; Oct. 27.
Fishing reel, Spring winding. F. Burdick. 1,811,073; June 23.
Fishing reels. Guide attachment for. W. H. Greene. 1,792,371; Feb. 10.
Fishing rig for deep wells. A. F. Meyer. 1,816,602; July 28.
Fishing rod apparatus. J. Kline and F. E. Hipkins. 1,835,310; Dec. 8.
Fishing rod attachment. E. J. Mauss. 1,833,787; Nov. 24.
Fishing rod construction. C. M. Anderson. 1,811,419; June 23.
Fishing rods, Reel connecting means for. O. W. Brenizer. 1,827,277; Oct. 13.
Fishing rods, Reel seat clamp for. F. W. Mansfield. 1,837,623; Dec. 22.
Fishing signal. N. Decker. 1,800,607; Apr. 14.
Fishing spinner. F. N. Petrie. 1,822,785; Sept. 8.
Fishing tackle. A. H. Lent. 1,837,558; Dec. 22.
Fishing tackle. J. Lillengraven. 1,797,005; Mar. 17.
Fishing tackle and net, Combination. F. Tyrrell. 1,797,251; Mar. 24.
Fishway. B. T. Wass. 1,798,238; Mar. 31.
Fitched or fitch work articles, Forming. L. Larsen. 1,821,554; Sept. 1.
Fitting, Adjustable service entrance. H. Brachtl. 1,822,879; Sept. 15.
Fitting and plug magazine for cementing oil and gas wells, Special. A. L. Rodgers. 1,791,874; Feb. 10.
Fitting apparatus, Shoe. C. H. Brown. 1,821,051; Sept. 1.
Fitting, Combination. H. J. and W. J. Luff. 1,830,517; Nov. 3.
Fitting, Conduit. J. W. Cox. 1,821,931; Sept. 8.
Fitting, Conduit. G. R. Metcalf, jr. 1,823,553; Sept. 15.
Fitting, Conduit. H. A. Selah. 1,821,949; Sept. 8.
Fitting, Expansion pipe. A. E. Stringer. 1,833,187; Nov. 24.
Fitting for automobiles. A. J. Weatherhead, jr. 1,833,982; Dec. 1.
Fitting for automotive vehicle heaters. V. J. Butterfield. 1,834,141; Dec. 1.
Fitting for conduit systems. C. Gottwald. 1,826,877; Oct. 13.
Fitting for fluid containers. H. D. Collier. 1,816,004; July 28.
Fitting for heavy duty suspension hangers. F. W. Reilly. 1,811,153; June 23.
Fitting for heavy duty suspension hangers. F. W. Reilly. 1,811,154; June 23.
Fitting for sinks or the like, Waste. E. G. Oakley. 1,820,673; Aug. 25.
Fitting for underfloor duct systems. J. M. G. Fullman. 1,831,855; Nov. 17.
Fitting for windows, Sound suppressing ventilator. E. T. Fisk. 1,723,798; Sept. 15.
Fitting, Orifice. W. D. Emery. 1,822,961; Sept. 15.
Fitting, Orifice. S. B. Welcome and O. W. Muff. 1,792,950; Feb. 17.
Fitting, Tapped sixth bend. K. A. Diederichsen. 1,838,253; Dec. 29.
Fitting, Sanitary. I. H. Kendall. 1,823,549; Sept. 15.
Fitting, Waste and overflow. T. J. Kaufman. 1,807,117; May 26.
Fitting, Wing pin. H. E. Fox. 1,830,991; Nov. 10.
Fittings and other hollow articles, Producing pipe. H. S. Holmes. 1,811,501; June 23.
Fittings for lavatory wash basins, bath tubs, kitchen sinks, and the like, Waste and overflow. C. F. Schultis. 1,821,584; Sept. 1.
Fittings to stranded structures, Applying. G. C. Burd. 1,812,646; June 30.
Fittings to the ends of high pressure hose, Attaching. M. Loughead. 1,825,005; Sept. 29.
5-halogen-2-amino-1-alkyloxy and 1-aralkyloxy-benzenes and intermediate products thereof and preparing them. W. Fitzky. 1,792,156; Feb. 10.
Fixture. H. J. Fixsen. 1,838,935; Dec. 29.
Fixture, Aligning. L. W. Johnson. 1,810,214; June 16.
Fixture, Assembling. S. E. Boynton. 1,815,230; July 21.
Fixture attachment, Electric-. T. F. Vindal. 1,790,610; Jan. 27.
Fixture, Bank. F. C. Hirons, F. W. Mellor, and D. R. Alvord. 1,821,708; Sept. 1.
Fixture, Combined curtain and drapery. W. A. Rubazewicz. 1,793,512; Feb. 24.
Fixture connecting and supporting device, Electrical. E. C. and L. S. Ely, jr. 1,837,955; Dec. 22.
Fixture coupling fitting for outlet boxes. L. Barnett. 1,808,012; June 2.
Fixture, Curtain, J. H. Boye. 1,814,281–2; July 14.
Fixture, Drapery. M. M. Young. 1,813,556; July 7.
Fixture, Driving. J. E. Lovely. 1,838,692; Dec. 29.
Fixture, Electrical. J. A. Volk, jr. 1,821,533; Sept. 1.
Fixture for electric lamps. C. A. B. Halvorson. 1,813,799; July 7.
Fixture for expanding pistons. W. S. Fisher. 1,803,010; Apr. 28.
Fixture for testing or lapping gears. F. E. McMullen and A. P. Slade. 1,802,388; Apr. 28.
Fixture for valve body seat rings, Grinding. V. E. Flodin. 1,835,292; Dec. 8.
Fixture, Grinding. J. C. Drader. 1,835,476; Dec. 8.
Fixture of the wall bracket type, Lighting. G. B. Jensen. Des. 85,829; Dec. 22.
Fixture or article of similar nature, Lighting. C. Shulman. Des. 85,775; Dec. 15.
Fixture, Safety gas. E. Schaded. 1,839,053; Dec. 29.
Fixture, Shock-absorbing electric. K. A. Sawin. 1,821,406; Sept. 1.
Fixture, Side wall lighting. R. W. Schweiker. 1,814,229; July 14.
Fixture, Store. S. B. Varner. 1,834,881; Dec. 1.
Fixture, Wardrobe or closet. T. L. Atkinson. 1,833,147; Nov. 24.
Fixture, Wash basin. A. C. Dobrick. 1,821,260; Sept. 1.
Flaconette. M. B. De Wagner. Des. 85,737; Dec. 15.
Flag. C. P. Matteson. 1,801,518; Apr. 21.
Flag display device. S. Warzoha. 1,804,293; May 5.
Flag support and raiser. W. E. Thoroman. 1,794,873; Mar. 3.
Flag, Transparent. V. Prochazka. 1,820,157; Aug. 25.
Flame arrester. J. H. Wiggins. 1,826,487; Oct. 6.
Flame representation, Device for producing. S. E. Morse. 1,799,432; Apr. 7.
Flame splitter. J. Slepian. 1,828,300; Oct. 20.
Flange. H. L. Gordon. 1,794,955; Mar. 3.
Flange lubricator. B. W. McGinnis. 1,823,157; Sept. 15.
Flanged shapes, Making. W. C. Oberg. 1,812,246; June 30.
Flanges for forged steel valves and making the same, Screwed and welded. W. W. Mohr. 1,836,384; Dec. 15.

Flanges from ingots, Apparatus for shearing. W. J. Schultz and R. S. Stevick. 1,823,991; Sept. 22.
Flanges on sheet metal panels and the like, Apparatus for forming offset. L. S. Lamp. 1,838,314; Dec. 29.
Flanges on tubular bodies, Forming internal. C. Boye. 1,816,357; July 28.
Flanging machine. G. F. Schulenburg. 1,803,730; May 5.
Flap branding machine. R. M. Johnson. 1,813,878; July 7.
Flap cutting device. E. G. Templeton and W. K. Glennon. 1,813,869; July 7.
Flare, Airplane parachute. T. L. Hoehn and H. W. Hoehn. 1,827,580; Oct. 13.
Flare device. P. Bok. 1,832,855; Nov. 24.
Flash arrester, Hydraulic. W. F. Mesinger. 1,825,970; Oct. 6.
Flashlight. E. R. Barany. 1,832,443; Nov. 17.
Flashlight. J. T. Brown. 1,805,683; May 19.
Flash light. M. E. Buchholz. 1,826,864; Oct. 13.
Flashlight. W. W. Cargill. 1,809,506; June 9.
Flashlight. J. D. Champagne and G. C. Cunningham. 1,820,960; Sept. 1.
Flash light. W. Cornell. 1,788,277; Jan. 6.
Flash light. D. C. Day. 1,800,885; Apr. 14.
Flash light. S. A. Gilbert. 1,798,079; Mar. 24.
Flash light. C. A. Gillingham and W. W. Pflug. 1,834,612; Dec. 1.
Flash light. H. G. Graubner. 1,838,306; Dec. 29.
Flash light. A. S. Lyhne. 1,810,524; June 16.
Flash light. M. A. Smith. Des. 85,670; Dec. 1.
Flashlight. F. A. Weidman. 1,816,065; July 28.
Flash light and writing pad, Combined. O. Kroldrup. 1,818,855; Aug. 11.
Flash light annunciator. W. B. Lucas. 1,835,508; Dec. 8.
Flashlight, Focusing. H. W. Jones. 1,820,620; Aug. 25.
Flash light head. L. A. Bean. Des. 84,456; June 23.
Flash-light-holding device. J. H. Nuttall. 1,797,154; Mar. 17.
Flash light, Multicolor. M. Grossman. 1,822,619; Sept. 8.
Flash light, Portable electric. D. B. Haines. 1,792,902; Feb. 17.
Flashlight switch. E. Tompkins. 1,816,877; Aug. 4.
Flash lights, Positioning device for. M. R. Gilson. 1,796,987; Mar. 17.
Flash mechanism, Group and indicating. F. M. Carroll. 1,821,088; Sept. 1.
Flasher. G. L. Bozard. 1,803,590; May 5.
Flasher, Miniature. N. Abramson. 1,819,633; Aug. 18.
Flasher, Neon lamp. J. Hotchner. 1,812,340; June 30.
Flashing. G. A. Nordgren. 1,793,821; Feb. 24.
Flashing. M. and F. W. Wool. 1,833,730; Nov. 24.
Flashing material. W. M. Shakespeare. 1,813,089; July 7.
Flashing material, Metal clad. T. Robinson. 1,813,084; July 7.
Flashing structure. S. H. Cohen and J. Wasserman. 1,811,039; June 23.
Flashing ring. J. Bropson. 1,834,823; Dec. 1.
Flashings, Apparatus for and method of making. C. C. Figge. 1,831,556; Nov. 10.
Flask: *See*—
Dental flask. Pipe flask.
Molder flask.
Flask. F. J. Le Clair. Des. 84,835; Aug. 11.
Flatiron. S. M. Abbens. 1,821,778; Sept. 1.
Flatiron. E. A. Peterson. 1,795,180; Mar. 3.
Flatiron. W. M. Cissell. 1,799,281; Apr. 7.
Flavanthrone, Production of. W. M. Murch. 1,827,254; Oct. 13.
Flavoring tablets, Apparatus for dispensing. G. S. Suppiger and H. G. Wegener. 1,824,695; Sept. 22.
Flax fiber, Manufacture of. E. R. Clark. 1,808,593; June 2.
Flax, hemp, and other textile fibers, Wet spinning of. G. Petroff. 1,789,414; Jan. 20.
Flax separator. W. Parliament. 1,791,245; Feb. 3.
Flesh-scraping implement. R. Bosman. 1,794,275; Feb. 24.
Fleshing machine. D. E. Harding. 1,821,094; Sept. 1.
Flexible coupling. C. J. Hahn. 1,821,215; Sept. 1.
Flexible coupling. H. C. Lord. 1,820,750; Aug. 25.
Flexible coupling. F. W. Peters. 1,791,763; Feb. 10.
Flexible coupling. J. H. Reedy. 1,788,741; Jan. 13.
Flexible coupling. C. O. Thomas. 1,827,176; Oct. 13.
Flexible coupling. W. S. Weir and A. P. Foley. 1,793,347; Feb. 17.
Flexible coupling. J. T. Wilkin and C. B. Coldwell. 1,815,639; July 21.
Flexible coupling. V. P. Williams. 1,827,129; Oct. 13.
Flexible curve. K. Schmieder. 1,797,842; Mar. 24.
Flexible joint. G. Flintermann. 1,803,606; May 5.
Flexible joint. G. Flintermann. 1,837,360; Dec. 22.
Flexible joint. W. F. Hundemer. 1,827,432; Oct. 13.
Flexible joint. A. Spillman. 1,796,901; Mar. 17.
Flexible materials, Apparatus for treating. B. C. Miller. 1,819,109; Aug. 18.
Flexible materials, Apparatus for testing the tensile strength of. A. Schopper. 1,797,734; Mar. 24.
Flexible materials, Impregnating and coating. E. Weinheim. 1,805,730; May 19.
Flexible roller. D. R. Hauck. 1,794,896; Mar. 3.
Flexible structure. G. E. Stevenson. 1,790,028; Jan. 27.
Flexible switch, Lattice-operated. R. Haley and S. B. Elrod, jr. 1,792,011; Feb. 10.
Flight conveyer. O. Birmann. 1,822,797; Sept. 8.
Float. A. Farnstrom. 1,838,086; Dec. 29.
Float. W. E. Rawlings. 1,828,983; Oct. 27.
Float and fish lure, Combination. G. G. La Cue. 1,792,989; Feb. 17.
Float, Bathing. C. C. Harris. 1,829,137; Oct. 27.
Float, Fishing net. P. Chobanoff. 1,836,836; Dec. 15.
Float for flying machines. C. Dornier. 1,823,730; Sept. 15.
Float for hydroplanes, flying boats, and the like. H. Hillmann. 1,794,898; Mar. 3.
Float, High-low gravity tank alarm. J. H. Derby. 1,838,135; Dec. 29.
Float, Life. C. L. Harkrader. 1,810,397; June 16.
Float, Swimming. C. C. Harris. 1,829,090; Oct. 27.
Float switch. W. H. Blakely. 1,796,074; Mar. 10.
Floatage. S. N. Dunbar. 1,796,595; Mar. 17.
Floating deck and its under structure for storage tanks. J. F. Patterson. 1,787,546; Jan. 6.
Flood gate. R. C. and H. W. Force. 1,837,658; Dec. 22.
Floodlight. L. X. Champeau. 1,837,147; Dec. 15.
Floodlight projector, Airport. O. Werner. 1,790,184; Jan. 27.
Flooding process for recovering fixed oil from subterranean oil bearing strata. M. De Groote and L. M. Monson. 1,823,440; Sept. 15.
Flooding process for recovering oil from subterranean oil bearing strata. M. De Groote. 1,823,439; Sept. 15.
Floor and component elements thereof. W. B. Miller. 1,800,951; Apr. 14.
Floor and constructing the same, Railroad car. M. D. Tucker. 1,807,715; June 2.
Floor and the like polishing appliance. J. Gailhofer. 1,827,003; Oct. 13.
Floor construction. K. P. Billner. 1,798,925; Mar. 31.
Floor construction. K. P. Billner. 1,817,914; Aug. 11.
Floor construction. O. S. Bowman. 1,818,299; Aug. 11.
Floor construction. E. E. Fletcher. 1,805,483; May 19.
Floor construction. E. N. Murphy. 1,803,723; May 5.
Floor construction. M. J. Tracy. 1,824,180; Sept. 22.
Floor construction. K. E. Wagner. 1,836,347; Dec. 15.
Floor construction, Fireproof. S. Macomber. 1,837,367; Dec. 22.
Floor construction, Fireproof. R. McWilliams. 1,825,237; Sept. 29.
Floor construction, Inlay. B. C. Rockwell. 1,809,393; June 9.
Floor constructions, Making fireproof. S. Macomber 1,796,851; Mar. 17.
Floor covering. D. Finley. 1,802,009; Apr. 21.
Floor covering and making same. J. B. Crockett. 1,823,131; Sept. 15.
Floor covering and making the same. J. T. Baldwin. 1,793,666; Feb. 24.
Floor covering and preparing the same. J. T. Baldwin. 1,793,667; Feb. 24.
Floor covering and the like, Printing of. H. A. Webster. 1,816,103; July 28.
Floor covering or mat and making the same. J. R. Gammeter. 1,815,558; July 21.
Floor coverings, Method and machine for printing. R. A. Balderson. 1,788,374; Jan. 13.
Floor, Fireproof. J. H. Southern. 1,810,149; June 16.
Floor-indicator dial for elevators and the like. K. D. Lighthipe. Des. 83,455; Feb. 24.
Floor jack. M. C. Rook, W. G. Sparks, and G. H. Chapman. 1,798,225; Mar. 31.
Floor-laying device. J. L. McWilliams. 1,788,315; Jan. 6.
Floor mat. F. M. Williams and E. W. Coble. 1,797,562; Mar. 24.
Floor mat. F. M. Williams and E. W. Coble. 1,797,813; Mar. 24.
Floor oiler. E. Poschinger. 1,795,673; Mar. 10.
Floor or similar article, Mosaic. W. W. Kent. Des. 85,583; Nov. 17.
Floor pad. H. A. Thierry. 1,835,825; Dec. 8.
Floor plate. R. Rzeminiecki. 1,798,559; Mar. 31.
Floor, Reenforced surface. W. S. Pattison. 1,804,804; May 12.
Floor, Resilient hard-surfaced. O. S. Bowman. 1,789,576; Jan. 20.
Floor, Resilient hard surfaced. O. S. Bowman. 1,818,298; Aug. 11.
Floor riser. H. F. Richardson. 1,815,741; July 21.
Floor sanding machine. E. Domres. 1,831,554; Nov. 10.
Floor squeegee. J. M. Oberti. 1,789,636; Jan. 20.
Floor stand. L. H. Morin. 1,813,945; July 14.
Floor strip, Bimetallic. P. Galassi. 1,813,736; July 7.
Floor strip, Composite. P. Galassi. Re18,282; Dec. 15.
Floor separator. A. Strand. 1,825,021; Sept. 29.
Floor, Skating rink. W. C. Palson. 1,810,926; June 23.
Floor structure. W. E. Snaman. 1,818,014; Aug. 11.
Floor structure, Sanitary. F. H. Page. 1,797,671; Mar. 24.
Floor surfacing machine. G. Jacobson and G. F. Ericson. 1,818,954; Aug. 11.
Floor surfacing machine. J. S. Wilgus and I. E. Stutzman. 1,824,456; Sept. 22.
Floor, Tile. W. B. Jaspert. 1,787,480; Jan. 6.
Floor, Tile. W. B. Jaspert. 1,788,432; Jan. 13.
Floor treating machine. W. S. Finnell. 1,829,132; Oct. 27.
Floor treating machine. C. E. Reddig. 1,827,402; Oct. 13.
Floor washing machine. J. L. Coole. 1,813,026; July 7.

Floor waxer. F. G. Wright. 1,794,048; Feb. 24.
Flooring and component parts thereof. W. B. Miller. 1,800,952; Apr. 14.
Flooring and making the same, Composition. E. C. Loetscher. 1,825,877; Oct. 6.
Flooring and product thereof, Making. J. B. Campbell. 1,823,238; Sept. 15.
Flooring, Cementitious. P. Sylvester. 1,825,023; Sept. 29.
Flooring construction. J. E. Larkins. 1,801,093; Apr. 14.
Flooring, Expandible reenforced laminated block and plank. B. W. Cadwallader. 1,799,729; Apr. 7.
Flooring, Laminated. H. L. Levin. 1,828,193; Oct. 20.
Flooring unit. J. H. Boden. Des. 84,271; June 2.
Flooring, Wood block. C. W. Allen. 1,796,880; Mar. 17.
Flooring, Wood block. F. E. Bruce, C. A. Bruce and J. B. Haygood. 1,796,884; Mar. 17.
Floors, Apparatus for forming concrete. J. J. Morgan. 1,790,941; Feb. 3.
Floors, Dividing strips for. P. Galassi. 1,810,761; June 16.
Floors or roofs, Making concrete. D. A. Sealey. 1,828,078; Oct. 20.
Floors, Sectional dividing strip for. P. Galassi. 1,816,727; July 28.
Floral rack. J. G. Turner. 1,799,540; Apr. 7.
Floral spray. L. Koropp. 1,804,104; May 5.
Flotation. L. E. Booth. 1,807,823; June 2.
Flotation apparatus. W. A. Butchart. 1,798,451–2; Mar. 31.
Flotation apparatus. J. P. Ruth, jr. 1,807,876; June 2.
Flotation method. G. G. Thomas and L. J. Christmann. 1,833,957; Dec. 1.
Flotation, Process of. I. H. Derby and O. D. Cunningham. 1,812,839; June 30.
Flotation reagent and process of froth flotation. R. L. Perkins. 1,819,113; Aug. 18.
Flour from bran, Apparatus for dislodging hard-pressed. T. E. Forster. 1,828,247; Oct. 20.
Flour, Prepared. A. H. Fiske. 1,811,264; June 23.
Flour saving means for dough brakes. C. P. and W. W. Wagner. 1,809,225; June 9.
Flow conduit, Fluid. A. M. Trogner. 1,815,938; July 28.
Flow control fixture, Fluid. G. O. Dougherty. 1,807,900; June 2.
Flow controller, Automatic. C. Gottfried. 1,808,163; June 2.
Flow device, Visible. E. E. Eickmeyer. 1,813,349; July 7.
Flow head with adjustable flow bean. D. R. Knowlton. 1,831,713; Nov. 10.
Flow in conjunction with media flowing relatively to resting or moving walls, Arrangement for reducing losses of. H. Föttinger and K. Frey. 1,837,901; Dec. 22.
Flow indicator. L. H. Hill. 1,827,813; Oct. 20.
Flow meter. A. Beraud and G. Jacquet. 1,788,976; Jan. 13.
Flow tester. J. B. Conner. 1,804,247; May 5.
Flower, Artificial. R. C. and M. T. Ham. 1,831,559–60; Nov. 10.
Flower-bed border. W. McGibbon. 1,798,265; Mar. 31.
Flower box. W. S. Elters. Des. 84,030; Apr. 28.
Flower making device, Artificial. L. Shogran. 1,816,266; July 28.
Flowerpot. E. D. Bender. 1,810,236; June 16.
Flowerpot. M. Schling. Des. 84,793; Aug. 4.
Flower-pot-lifting ring. A. E. Fanan. 1,793,072; Feb. 17.
Flowerpot or urn. A. Bjorklund. 1,789,616; Jan. 20.
Flower pot, Paper. W. J. Hohnhorst. 1,807,407; May 26.
Flowerpot scrubbing machine. J. Albany. 1,837,389; Dec. 22.
Flower pots, Watering. J. F. Medveczky. 1,815,676; July 21.
Flower stand. J. R. Dew. 1,797,077; Mar. 17.
Flower stand. I. G. Scott and M. C. Fox. Des. 83,134; Jan. 20.
Flower stand. I. G. Scott and M. C. Fox. Des. 83,179; Jan. 27.
Flower stand. I. G. Scott and M. C. Fox. Des. 83,217; Feb. 3.
Flower stand. I. G. Scott and M. C. Fox. Des. 83,758; Mar. 24.
Flower stand. I. G. Scott and M. C. Fox. Des. 84,001; Apr. 21.
Flue base and soot chamber. B. L. Flaherty. 1,802,418; Apr. 28.
Flue cleaner. L. F. Densmore. 1,790,003; Jan. 27.
Flue cleaner. S. S. Strasburg. 1,808,870; June 9.
Flue cleaning apparatus for water tube boilers. C. A. A. Westerberg and T. G. Höglund. 1,838,600; Dec. 29.
Flue construction for kilns. R. H. Youngman and R. H. H. Pierce. 1,798,297; Mar. 31.
Flue-gas deflector for ranges. L. S. Kauffman. Des. 83,712; Mar. 17.
Flue installation for baking ovens, Heating. W. Otto. 1,831,768; Nov. 10.
Flue outlet, Oven. L. S. Kauffman. 1,828,666; Oct. 20.
Flue regulator, Thermostatic. A. C. McWilliams. 1,798,431; Mar. 31.
Flue, Sectional smoke. J. A. Watcher. 1,816,271; July 28.
Fluid, Apparatus for displacing. V. W. Moray. 1,823,910; Sept. 22.
Fluid, Apparatus for heating or vaporizing. M. M. Clayton. 1,812,198; June 30.
Fluid-applying machine. F. M. Furber. 1,793,687; Feb. 24.
Fluid clarifying apparatus. C. V. Fuqua. 1,822,021; Sept. 8.
Fluid cleaner. W. Volk. 1,825,031; Sept. 29.
Fluid condensation product. A. L. Brown. 1,820,690; Aug. 25.
Fluid-conditioning method and apparatus. S. M. Anderson. 1,789,268; Jan. 13.
Fluid-conductor motor. M. C. Spencer. 1,792,449; Feb. 10.
Fluid control system. G. W. McKee. 1,834,130; Dec. 1.
Fluid control system. E. J. Te Pas. Re18,135; July 21.
Fluid-cooled roll. A. E. Evans. 1,789,356; Jan. 20.
Fluid cooler. F. R. Erbach. 1,826,345; Oct. 6.
Fluid cooler. C. C. Spreen. 1,826,372; Oct. 6.
Fluid-current motor. J. S. Ragains. 1,799,439; Apr. 7.
Fluid, Device for measuring and sampling. H. H. Dyer. 1,798,788; Mar. 31.
Fluid discharge control device. E. J. Perry. 1,820,489; Aug. 25.
Fluid discharge, Restricting atomized. M. J. Hammers. 1,828,463; Oct. 20.
Fluid dispensing apparatus. L. Deutsch and G. J. Genung. 1,816,569; July 28.
Fluid flow indicator. P. B. Renfrew and T. C. Fisher. 1,834,969; Dec. 8.
Fluid flow indicator. A. M. Trogner. 1,814,235; July 14.
Fluid flow meter. W. W. Stevenson. 1,804,036; May 5.
Fluid flow meter. A. M. Trogner. 1,819,138; Aug. 18.
Fluid flow regulating apparatus. A. L. Klees and B. Greenfield. 1,814,834; July 14.
Fluid flow regulating apparatus. A. L. Klees and B. Greenfield. 1,814,935; July 14.
Fluid flow regulating mechanism. A. L. Klees and B. Greenfield. 1,814,812; July 14.
Fluid flow silencer. J. E. Ericson. 1,833,518; Nov. 24.
Fluid from fine granular material in centrifugal machines, Device for drawing off. L. Altpeter. 1,793,204; Feb. 17.
Fluid-handling apparatus. C. C. Abbott. 1,792,208; Feb. 10.
Fluid handling apparatus. R. H. Owens. 1,821,895; Sept. 1.
Fluid handling device. F. T. Powers. 1,825,126; Sept. 29.
Fluid heater. P. L. G. Albert. 1,814,423; July 14.
Fluid heater. W. H. Armacost. 1,794,507; Mar. 3.
Fluid heater. G. B. Cook. 1,832,449; Nov. 17.
Fluid heater. H. J. Kerr. 1,813,405; July 7.
Fluid heating element. J. W. F. Keenan. 1,820,227; Aug. 25.
Fluid induction device. G. E. Maier. 1,823,154; Sept. 15.
Fluid, Instrument for indicating velocity and direction of flow of. E. N. Fales. 1,819,155; Aug. 18.
Fluid lift for liquids. E. E. Claytor. 1,819,994; Aug. 18.
Fluid lifting device for wells. E. Gray and R. A. Mueller. 1,833,214; Nov. 24.
Fluid, Lubricating and sealing. F. C. Nonamaker. 1,822,449; Sept. 8.
Fluid meter. H. Chrisman and J. T. Madison. 1,816,957; Aug. 4.
Fluid meter. G. G. Earl. 1,808,211; June 2.
Fluid meter. A. J. Granberg. 1,809,118; June 9.
Fluid meter. A. J. Granberg. 1,811,789; June 23.
Fluid meter. M. E. Guermont. 1,826,346; Oct. 6.
Fluid meter. H. A. Huebotter. 1,797,233; Mar. 24.
Fluid meter. R. H. Owens. 1,837,333; Dec. 22.
Fluid metering mechanism. G. G. Earl. 1,808,210; June 2.
Fluid metering system and apparatus. G. G. Earl. 1,808,209; June 2.
Fluid mixer. J. V. Giesler and W. W. Carson, jr. 1,806,394; May 19.
Fluid-mixing device. E. O. Nelson. 1,798,336; Mar. 31.
Fluid motor. I. Benjamins. 1,804,493; May 12.
Fluid motor. F. Dove. 1,834,607; Dec. 1.
Fluid motor. W. A. Fry. 1,789,703; Jan. 20.
Fluid motor. G. F. Michot-Dupont. 1,824,336; Sept. 22.
Fluid motor. H. E. Musselwhite. 1,835,173; Dec. 8.
Fluid motor. A. M. Sanborn. 1,831,035; Nov. 10.
Fluid operated and operating device, Rotary. A. L. and L. A. Hart. 1,831,243; Nov. 10.
Fluid operated brake. M. Loughead. 1,815,157; July 21.
Fluid-operated press. T. F. Stacy. 1,800,849; Apr. 14.
Fluid press. H. C. Hottel. 1,788,298; Jan. 6.
Fluid pressure apparatus. W. G. Abbott, jr. 1,831,336; Nov. 10.
Fluid pressure, Apparatus for controlling the transmission of fluctuating. E. A. Rockwell. 1,817,941; Aug. 11.
Fluid-pressure brake. C. A. Campbell. 1,799,730; Apr. 7.
Fluid-pressure brake. W. E. Dean. 1,793,593; Feb. 24.
Fluid-pressure brake. C. C. Farmer. 1,797,411; Mar. 24.
Fluid pressure brake. C. C. Farmer. 1,801,855; Apr. 21.
Fluid pressure brake. C. C. Farmer. 1,816,078–9; July 28.
Fluid pressure brake. C. C. Farmer. 1,819,504–7; Aug. 18.
Fluid pressure brake. C. C. Farmer. 1,819,642; Aug. 18.
Fluid pressure brake. C. C. Farmer. 1,820,013; Aug. 25.
Fluid pressure brake. C. C. Farmer. 1,824,042; Sept. 22.
Fluid pressure brake. C. C. Farmer. 1,824,044; Sept. 22.
Fluid pressure brake. C. C. Farmer. 1,832,859–61; Nov. 24.
Fluid-pressure brake. J. N. Good. 1,790,211; Jan. 27.
Fluid pressure brake. J. N. Good. 1,801,859; Apr. 21.

Fluid pressure brake. J. C. McCune. 1,816,089; July 28.
Fluid pressure brake. F. E. Schwentler. 1,805,637; May 19.
Fluid-pressure brake. T. H. Thomas. 1,797,454; Mar. 24.
Fluid pressure breaking mechanism for mining machines. E. C. Morgan. 1,809,307; June 9.
Fluid pressure control. H. U. Durant. 1,805,814; May 19.
Fluid-pressure core. F. J. Snyder. 1,799,933; Apr. 7.
Fluid pressure device. J. Thomas and A. J. Flanigan. 1,837,598; Dec. 22.
Fluid pressure engine. F. A. Gerling. 1,811,579; June 23.
Fluid-pressure equalizer. F. G. Hobart. 1,790,922; Feb. 3.
Fluid pressure governing mechanism. O. N. Bryant and A. F. Schwendner. 1,805,972; May 19.
Fluid-pressure-governing system. A. F. Schwendner and J. S. Myers. 1,793,514; Feb. 24.
Fluid pressure motor. P. H. Benedix. 1,813,526; July 7.
Fluid pressure motor. E. G. Gartin. 1,807,839; June 2.
Fluid-pressure motor. G. M. Nell. 1,796,389; Mar. 17.
Fluid-pressure press. J. C. Ledbetter. 1,789,488; Jan. 20.
Fluid pressure raising mechanism. H. F. Flowers. 1,819,411; Aug. 18.
Fluid pressure regulator. W. C. Groble. 1,819,288; Aug. 18.
Fluid pressure regulator. G. Remnsnider. 1,825,755; Oct. 6.
Fluid pressure trapping device. E. A. Rockwell. 1,817,942; Aug. 11.
Fluid proportioning device. W. Teale and H. F. McLauthlin. 1,812,728; June 30.
Fluid regulating system. V. V. Veenschoten. 1,824,969; Sept. 29.
Fluid saving device. J. B. McCullough and E. S. McCombs. 1,807,222; May 26.
Fluid-separating device, Well-drilling. H. Brauer and C. R. Trail. 1,800,168; Apr. 7.
Fluid separator. H. E. Boyrie. 1,796,434; Mar. 17.
Flu d separator. G. D. Bradshaw. 1,834,086; Dec. 1.
Fluid separator. G. D. Bradshaw and R. N. Robertson. 1,796,435; Mar. 17.
Fluid separator. J. P. Walker. 1,838,507; Dec. 29.
Fluid tank. C. A. Van Dusen. 1,801,468; Apr. 21.
Fluid-tight coupling. E. G. K. Anderson. 1,788,365; Jan. 13.
Fluid-tight joint. E. C. Furman. 1,791,810; Feb. 10.
Fluid tight joint and making. W. G. Wilson. 1,821,863–6; Sept. 1.
Fluid to teat cups, Device for suspending and supplying cleaning. H. C. Beckman. 1,803,319; May 5.
Fluid transmission. H. D. Munson and G. A. Petroe. 1,821,524; Sept. 1.
Fluid transmission mechanism. R. Meyer. 1,831,505; Nov. 10.
Fluid-transporting mechanism, Forced-feed. J. M. Wolf. 1,792,723; Feb. 17.
Fluid under pressure, Supplying. M. Parker. 1,792,027; Feb. 10.
Fluidizer and method of fluidizing, Reducing. H. G. Lykken. 1,791,100; Feb. 3.
Fluids and the like, Inducting and discharging device for. A. W. Slayback. 1,791,909; Feb. 10.
Fluids, Apparatus for compressing and expanding. H. J. Zimmermann. 1,825,843; Oct. 6.
Fluids, Apparatus for contacting two or more. K. M. Urquhart. 1,808,088; June 2.
Fluids, Apparatus for electrical treatment of. J. J. Jakosky. 1,815,149; July 21.
Fluids, Apparatus for generating motive. J. G. Yonkese. 1,812,277; June 30.
Fluids, Apparatus for heating. H. B. Cannon. 1,791,955; Feb. 10.
Fluids, Apparatus for indicating the flow of subsurface. L. E. Trout. 1,796,547; Mar. 17.
Fluids, Apparatus for measuring. R. N. Ehrhart. 1,826,422; Oct. 6.
Fluids, Apparatus for metering gaseous. A. E. Blake. 1,808,709; June 2.
Fluids, Apparatus for separating suspended matter from. H. Waring. 1,797,812; Mar. 24.
Fluids, Apparatus for storing. W. G. Laird. 1,794,383; Mar. 3.
Fluids, Detection of suspended matter in. H. C. Grant, jr. 1,807,659; June 2.
Fluids, Elevating. C. B. Pendleton. 1,837,669; Dec. 22.
Fluids for cleaning purposes, Atomizing. C. S. Crickmer. 1,835,283; Dec. 8.
Fluids, Fractionation of mixed. J. V. E. Dickson. 1,815,127; July 21.
Fluids from boreholes, Device for raising. B. Schweiger. 1,805,377; May 12.
Fluids from one airship to another while in flight, Mechanism for supplying. J. Ullendorff. 1,806,833–4; May 26.
Fluids in a spinning column and apparatus used in connection therewith, heating. C. W. Stratford. 1,825,761; Oct. 6.
Fluids, Method and apparatus for heating. B. N. Broido. 1,803,054; Apr. 28.
Fluids, Method and apparatus for heating. S. P. Vaughn. 1,800,235; Apr. 14.
Fluids, Method of and apparatus for heating and mingling. C. P. Tolman. 1,821,333; Sept. 1.
Fluids, Nebulizing. C. L. Riley. 1,823,844; Sept. 15.
Fluids, Projecting. J. T. Remey. 1,792,929; Feb. 17.
Fluids, Stopping the travel of exploding and burning. A. P. Hornor. 1,817,148; Aug. 4.
Flush tank. E. L. Gaines. 1,810,473; June 16.
Flush tank, Water closet. B. O. Tilden. Des. 85,137; Sept. 15.
Flush valves. P. and W. Grabler. 1,821,799; Sept. 1.
Flusher and lubricant dispenser, Combined. A. L. Wertz. 1,829,173; Oct. 27.
Flusher, Snow melting. C. D. Chase. 1,813,729; July 7.
Flushing apparatus. C. R. Le Grice. 1,787,486; Jan. 6.
Flushing apparatus. P. C. Oscanyan. 1,793,446; Feb. 17.
Flushing apparatus, Safety. M. J. Tracy. 1,815,384; July 21.
Flushing apparatus, Silent. D. F. Tracey. 1,836,632; Dec. 15.
Flushing tank. G. Brain. Des. 85,364; Oct. 20.
Flushing unit, Radiator. H. A. Lasko. 1,799,105; Mar. 31.
Fluting machine. S. F. Bauwens. 1,806,885; May 26.
Flux for soft soldering. H. B. Dykstra. 1,800,445; Apr. 14.
Flux for soldering. J. H. Gravell. 1,811,667; June 23.
Flux, Soldering. R. S. Dean and R. V. Wilson. 1,838,370; Dec. 29.
Fly box. F. L. Jacqmein. 1 815,568; July 21.
Fly catcher. A. Springmann. 1,812,178; June 30.
Fly chaser. A. Dokken. 1,804,326; May 5.
Fly swatter. R. F. Meggitt. 1,820,360; Aug. 25.
Fly trap. H. F. Davis. 1,826,746; Oct. 13.
Flyer construction. M. J. McHale. 1,813,893–5; July 7.
Flyer construction. M. J. McHale. 1,827,161; Oct. 13.
Flyer or traveler for serving machines. H. P. Arnold. 1,826,713; Oct. 13.
Flying apparatus. E. A. Perrin. 1,836,617; Dec. 15.
Flying instrument board, Aeroplane blind. V. O. Levick. 1,833,970; Dec. 1.
Flying machine. J. J. FitzGerald. 1,801,418; Apr. 21.
Flying machine. J. W. Fry. 1,810,136; June 16.
Flying machine. B. Gambarini. 1,804,869; May 12.
Flying machine. F. D. Healy. 1,829,350; Oct. 27.
Flying machine. V. Isacco. 1,813,852; July 7.
Flying machine. D. K. Jette. 1,829,595; Oct. 27.
Flying machine. G. E. Pellissier. 1,795,035; Mar. 3.
Flying machine. E. A. Perrin. 1,789,254; Jan. 13.
Flying machine. W. Roberts. 1,831,139; Nov. 10.
Flying machine. S. Rosenberg and J. Hochman. 1,828,819; Oct. 27.
Flying machine. J. de J. Santos. 1,816,616; July 28.
Flying machine. F. Smith. 1,836,406; Dec. 15.
Flying machine. R. M. Smyth. 1,810,114; June 16.
Flying machine. F. Steinmann, sr. 1,808,908; June 9.
Flying machine. C. W. Waller. 1,833,142; Nov. 24.
Flying machine. G. F. Wikle. 1,795,915; Mar. 10.
Flying machine having a plurality of rotors, Rotor. E. Giese. 1,798,153; Mar. 31.
Flying machine of the heavier than air variety. B. E. Brown. 1,836,896; Dec. 15.
Flying-machine structure. C. Dornier. 1,799,889; Apr. 7.
Flying shear. B. N. Bletso and G. H. Rose. 1,809,668; June 9.
Flying shears. L. Johnson. 1,816,187; July 28.
Flying shears, Rotary. J. Hahn. 1,802,554; Apr. 28.
Flying wing. W. W. Christmas. 1,801,331; Apr. 21.
Flytrap. W. C. Hisey. 1,793,366; Feb. 17.
Flytrap. N. G. Schmitz. 1,800,108; Apr. 7.
Flywheel, balancing machine. T. C. Van Degrift. 1,839,134; Dec. 29.
Foam abatement and chemical recovery. W. T. Webster and C. L. Wagner. 1,836,563; Dec. 15.
Foam, Apparatus for producing. H. Burmeister. 1,823,560; Sept. 15.
Foam breaker. A. Boye. 1,792,963; Feb. 17.
Foam compounds, Treating. J. A. Rice. 1,826,897; Oct. 13.
Foam destroyer. C. D. Mason. 1,805,830; May 19.
Foam destroyer. C. D. Mason. 1,811,513; June 23.
Foam flotation. J. Eisele, R. Griessbach, and C. Heuck. 1,787,938; Jan. 6.
Foam for fire extinguishing purposes, Producing. C. Wagener. 1,821,914; Sept. 1.
Foam forming solutions, Mixing chamber for. J. F. M. Taylor. 1,813,101; July 7.
Foam from foam generating substances, Producing. R. Schnabel. 1,829,715; Oct. 27.
Foam from milk and other liquids, Apparatus for eliminating. M. R. Parsell. 1,818,962; Aug. 11.
Foam generating apparatus. H. Burmeister. 1,823,559; Sept. 15.
Foam in fine bubbles, Apparatus for producing. N. Sandor. 1,834,640; Dec. 1.
Foam in steam boilers and other liquid evaporators, Breaking. S. B. Bilbrough. 1,838,247; Dec. 29.
Foam, Production of. J. Dyhr. 1,810,394; June 16.
Foam stabilizer. T. J. Fairley. 1,832,109; Nov. 17.
Foamy body, Making a. J. A. Rice. 1,807,810; June 2.
Focusing device for light signals. A. T. Carter. 1,794,586; Mar. 3.
Focusing finder. O. A. Ross. 1,796,725; Mar. 17.
Focusing mechanism. G. H. Cushing. 1,811,715; June 23.
Fodder, Cattle. R. Griessbach and O. Ambros. 1,806,290; May 19.
Fog and mist. Process of and apparatus for dispelling. E. C. Reader. 1,793,719; Feb. 24.

Foils and film like bands from soluble cellulose derivatives, Production of thin and very thin. A. Eichengrün. 1,824,337; Sept. 22.
Fold, Bill. P. A. Gardner, jr. Des. 85,175; Sept. 22.
Fold type table. G. A. Lewis. 1,804,171; May 5.
Foldable bathtub table, Infant's. H. A. Masters. 1,792,696; Feb. 17.
Foldable box. E. F. Thompson. 1,823,710; Sept. 15.
Foldable chair. S. Kanclerz. 1,789,468; Jan. 20.
Foldable table. N. N. Brown. 1,812,196; June 30.
Folder. M. F. Bernson. 1,826,596; Oct. 6.
Folder. I. Lazar. 1,815,654; July 21.
Folder, Advertising. N. Papapetrou. Des. 85,197; Sept. 22.
Folder and display, Advertising. N. E. Amsden. 1,827,964; Oct. 20.
Folder and envelope and making same, Mailing. H. N. Chapman. 1,814,620; July 14.
Folder, Correspondence. H. H. Styll. 1,794,560; Mar. 3.
Folder for sewing machines. A. Germain. 1,832,980; Nov. 24.
Folder, Loose leaf. E. M. Buckland. 1,808,884; June 9.
Folder or similar container constructed of flexible material. N. Ottinger. Des. 85,300; Oct. 6.
Folder, Reversible. H. C. Jordhoy. 1,790,545; Jan. 27.
Folding and closing the ends of bags or the like, Apparatus for. A. G. Rose. 1,816,126; July 28.
Folding and ironing machine, Coordinated. W. F. Mayer. 1,805,776; May 19.
Folding and scalloping machine. S. J. Campbell. 1,822,954; Sept. 15.
Folding and wrapping machine. G. J. Egenolf. 1,787,817; Jan. 6.
Folding box. W. P. Frankenstein. 1,810,956; June 23.
Folding box. J. Kalnitz. 1,829,005; Oct. 27.
Folding box. M. E. Lowman. 1,815,788; July 21.
Folding box. E. H. Lupton. 1,827,593; Oct. 13.
Folding box. G. Maier. 1,796,035; Mar. 10.
Folding box. C. C. Miller. 1,833,492; Nov. 24.
Folding box. P. S. Rumpel. 1,838,191. Dec. 29.
Folding box. A. T. Spare. 1,826,962; Oct. 13.
Folding box. F. Watson. 1,819,933; Aug. 18.
Folding brace. H. J. Gilbert. 1,788,102; Jan. 6.
Folding chair. J. B. Adler. 1,830,523; Nov. 3.
Folding chair. J. B. Adler. J. B. O'Connor, and W. N. Vance. 1,813,653; July 7.
Folding chair. C. N. Allerding. 1,815,643; July 21.
Folding chair. C. A. Buffington. 1,807,506; May 26.
Folding chair. F. J. Buffington. 1,838,213; Dec. 29.
Folding chair. A. Grams. 1,789,404; Jan. 20.
Folding chair. J. J. McIntyre. 1,789,245; Jan. 13.
Folding chair. J. J. Schmitt. 1,800,107; Apr. 7.
Folding chair. B. H. Smith. 1,799,029; Mar. 31.
Folding chair. C. W. White, and V. A. Mitchell. 1,832,676; Nov. 17.
Folding device. L. M. Kahn. 1,819,028; Aug. 18.
Folding device for letter sheets. G. Spohn. 1,806,125; May 19.
Folding device for tables and the like. H. Howe. 1,808,305; June 2.
Folding implement. A. F. Shafter. 1,829,192; Oct. 27.
Folding machine. T. J. Abbott. 1,822,470; Sept. 8.
Folding machine. J. W. Anthony. 1,811,871; June 30.
Folding machine. C. W. Brenn. 1,805,161; May 12.
Folding machine. C. Christiansen. 1,808,158; June 2.
Folding machine. J. C. Dawson. 1,799,412; Apr. 7.
Folding machine. G. A. Dunagin. 1,831,293; Nov. 10.
Folding machine. E. Frisch. 1,832,376; Nov. 17.
Folding machine. J. E. McIntire. 1,838,428; Dec. 29.
Folding machine. W. J. Neidig. 1,838,106; Dec. 29.
Folding machine. J. Mentges. 1,833,296; Nov. 24.
Folding machine. E. D. Rader. 1,806,706; May 26.
Folding machine. H. A. W. Wood. 1,791,694; Feb. 10.
Folding machine, Roll. R. Ibell. 1,831,250; Nov. 10.
Folding machines, Flash folding device for knife folding units of. R. P. Mogaard. 1,830,439; Nov. 3.
Folding mechanism. C. C. Howard. 1,837,661; Dec. 22.
Folding mechanism for printing presses. H. Lang. 1,787,945; Jan. 6.
Folding metal box. O. A. Ross. 1,821,668; Sept. 1.
Folding or convertible table. J. Fanarjian. 1,838,095; Dec. 29.
Folding partition. W. E. Duncanson. 1,822,768; Sept. 8.
Folding roller. W. E. Becker. 1,802,749; Apr. 28.
Folding seat. R. J. H. Hudson. 1,790,047; Jan. 27.
Folding table. N. N. Brown. 1,824,981; Sept. 29.
Folding table. C. G. Carlson. 1,805,235; May 12.
Folding table. F. Chalfant. 1,801,330; Apr. 21.
Folding table. E. G. Covell. 1,796,002; Mar. 10.
Folding table. W. L. Deming. 1,818,118; Aug. 11.
Folding table. J. A. Kehrer. 1,836,668; Dec. 15.
Folding table. B. Martin. 1,814,838; July 14.
Folding table. J. B. O'Connor and J. B. Adler. 1,809,564; June 9.
Folding table. E. A. Rosen. 1,827,373; Oct. 13.
Folding table. E. S. Shields. 1,792,714; Feb. 17.
Folding table. R. W. Simpson. 1,806,091; May 19.
Folding table. E. Vidal. 1,813,330; July 7.
Folding table. A. Wagner. 1,807,184; May 26.
Folding trunk rack. W. C. Casson. 1,833,408; Nov. 24.
Folding unit. O. C. Roesen. 1,812,716; June 30.
Folding wall table. S. E. Timmons. 1,796,635; Mar. 17.
Folding wing. E. B. Carns. 1,793,056; Feb. 17.
Follow rest. C. Bouillon. 1,815,490; July 21.
Follow-up system. H. C. Drake. 1,838,084; Dec. 29.
Follow up system. F. Eichler, H. Grüss, and M. Schleicher. 1,830,987; Nov. 10.
Follower block. D. S. Barrows. 1,795,822; Mar. 10.
Follower for vertical files. B. G. Rand. 1,820,888; Aug. 25.
Font, Holy water. C. B. George, sr. Des. 85,820; Dec. 22.
Font, Holy water. C. B. George. 1,835,152; Dec. 8.
Font, Holy water. M. C. Hurley. Des. 84,583; July 7.
Font of type. E. J. O'Donnell. Des. 85,053; Sept. 8.
Font of type. R. F. Prescott. Des. 85,493; Nov. 3.
Food and making the same, Cereal. C. E. Luke. 1,832,813; Nov. 17.
Food article. D. G. Holibaugh. 1,816,283; July 28.
Food carcasses, Treating. J. C. Agar. 1,837,514; Dec. 22.
Food carrier, Traveling heated and cooled. G. L. Vilfordi. 1,809,951; June 16.
Food chopper. F. R. Kandle. 1,788,875; Jan. 13.
Food composition and making same, Mineral. P. A. Kober. 1,813,936; July 14.
Food-conditioning machine. R. Castellucci. 1,794,833; Mar. 3.
Food display case. D. C. Bauder. 1,831,698; Nov. 10.
Food lever motor. S. Lamer. 1,816,681; July 28.
Food mixer. R. R. Norwood. 1,802,061; Apr. 21.
Food mixer, Electric. M. W. McArdle. Des. 83,410; Feb. 17.
Food package, Sanitary. W. M. H. Sanford. 1,830,246; Nov. 3.
Food pendant, Bird-. H. O. Spankus. Des. 83,358; Feb. 17.
Food-preparing machines, Delivery mechanism for. H. R. Brand. 1,795,828; Mar. 10.
Food preserving table. J. H. Johnson. 1,803,330; May 5.
Food product. J. S. Cohen. 1,806,576; May 19.
Food product. C. N. Frey, E. B. Brown, and C. Craig. 1,828,283; Oct. 20.
Food product. H. C. Gore and C. N. Frey. 1,802,645; Apr. 28.
Food product. A. L. Magril. 1,806,302; May 19.
Food product. S. Mushel. 1,816,338–9; July 28.
Food product and apparatus. M. C. Reynolds. 1,815,727; July 21.
Food product and making the same. K. E. Bemis. 1,807,189; May 26.
Food product and making the same. E. Jameson, E. D. Stewart, and C. P. Wilson. 1,810,276; June 16.
Food product and making the same. C. P. Wilson and E. D. Stewart. 1,814,994; July 14.
Food product and manufacturing the same. G. Grindrod. 1,798,120; Mar. 24.
Food product and method of making. C. H. Parsons. 1,824,496; Sept. 22.
Food product bricks, Production of. C. W. Vogt. 1,810,864; June 16.
Food product container. F. J. McDonough. Des. 84,839; Aug. 11.
Food products, Apparatus for preripening or retarding perishable. F. J. Day. 1,825,385; Sept. 29.
Food products, Apparatus for treating. O. S. Sells. 1,790,115; Jan. 27.
Food products, Device for treating. F. G. Cornell, jr. 1,795,932; Mar. 10.
Food products, Preparing. J. J. Barry and W. T. Murray. 1,815,227; July 21.
Food products, Preserving. E. Milani. 1,821,106; Sept. 1.
Food products, Process and apparatus for preparing. W. E. Broeg. 1,821,689; Sept. 1.
Food products, Production of. B. N. Pulver. 1,802,532; Apr. 28.
Food products, Vitaminizing. A. Wörner. 1,796,134; Mar. 10.
Food-protecting device. A. L. Alaj. 1,793,299; Feb. 17.
Food service device. J. B. Zallio. 1,805,198; May 12.
Foodstuffs, Apparatus for treating. T. F. Rataiczak. 1,820,677; Aug. 25.
Foodstuffs, Method of and apparatus for wrapping. C. F. M. Van Berkel. 1,801,650; Apr. 21.
Food-stuffs, Preparing. E. A. Hey. 1,829,932; Nov. 3.
Foods, Apparatus for heat treating. G. Grindrod. 1,797,769; Mar. 24.
Foods, Manufacturing animal. W. G. Hansen. Re18,048; Apr. 14.
Foods, Treating. G. Grindrod. 1,819,023; Aug. 18.
Foot and ankle brace. J. F. Fisher. 1,792,155; Feb. 10.
Foot, Artificial. E. R. Leaf. 1,812,156; June 30.
Football blocking pad. D. X. Bible. 1,827,834; Oct. 20.
Football down signal. S. B. McMaster. 1,809,211; June 9.
Football game apparatus. J. A. Heidbrink. 1,838,398; Dec. 29.
Foot controlled device. J. Young. 1,814,880; July 14.
Foot controlled switch. B. S. T. Bishop. 1,830,256; Nov. 3.
Foot exerciser. W. D. White and C. J. Gleason. 1,813,006; July 7.
Foot for show cases and cabinets. J. M. Kaufman. 1,834,313; Dec. 1.
Foot guiding mechanism. T. E. Cline and R. E. Tipton. 1,804,552; May 12.
Foot impression mold. F. J. Pierce. 1,824,835; Sept. 29.
Footing for towers or the like. H. O. Hill. 1,805,311; May 12.
Foot measuring device. G. W. Delhaye. 1,837,809; Dec. 22.

Foot pad, Rotary. H. I. Clark. 1,805,978; May 19.
Foot rest. N. Benenati. Des. 85,412; Oct. 27.
Foot rest. W. O. Hartman. 1,838,482; Dec. 29.
Foot rest, Adjustable. C. E. Nielsen. 1,801,609; Apr. 21.
Foot-rest attachment for closets. R. M. Romer. 1,798,632; Mar. 31.
Foot rest, Auxiliary. F. E. Case and E. L. Monnot 1,787,510; Jan. 6.
Foot rest, Auxiliary. E. L. Monnot. 1,828,470; Oct. 20.
Foot rest for accelerator pedals. S. F. Bashara. 1,802,864; Apr. 28.
Footrest, Radiator. P. C. Avery. 1,799,611; Apr. 7.
Foot rest, Resilient. A. Ostergard. 1,837,064; Dec. 15.
Foot warmer. A. Kamrath. 1,808,235; June 2.
Footwear. I. W. David. 1,832,691; Nov. 17.
Footwear. G. P. Dike. 1,793,212; Feb. 17.
Foot wear. S. Goodman and W. N. Sechler. 1,806,938; May 26.
Footwear. N. D. Mattison. 1,818,730–1; Aug. 11.
Footwear. M. L. Paterson. 1,808,063; June 2.
Footwear. H. Schneider. 1,815,164; July 21.
Footwear and making same. H. de B. Rice. 1,800,405–6; Apr. 14.
Footwear article and method of making, Rubber and fabric. G. F. Gourley. 1,801,771; Apr. 21.
Footwear, Built-in arch for. J. T. Henderson. 1,792,838; Feb. 17.
Footwear elements, Assembling rubber. F. Zonino. 1,825,379; Sept. 29.
Footwear, Making rubber. C. M. Richardson and A. J. Howe. 1,792,322; Feb. 10.
Footwear, Manufacture and vulcanizing of rubber. H. C. L. Dunker. 1,838,540; Dec. 29.
Footwear, Manufacture of. F. N. Beckwith. 1,834,999; Dec. 8.
Footwear, Manufacture of rubber. J. B. Crockett. 1,795,075; Mar. 3.
Footwear, Manufacture of rubber soled. H. McGhee. 1,807,487; May 26.
Foot wear, Orthopedic. W. H. Nickerson. 1,806,409; May 19.
Footwear, Rubber. I. and L. Dorogi. 1,817,300; Aug. 4.
Footwear, Rubber. R. E. Riley. 1,834,551; Dec. 1.
Footwear uppers, Assembling. E. L. Patten. 1,798,626; Mar. 31.
Footwear, Wearing attachment for. H. F. Tschirgi. 1,838,720; Dec. 29.
Foraminous material and making the same. R. Stresau. 1,792,197; Feb. 10.
Force or suction cup. A. J. Teigeler. 1,836,202; Dec. 15.
Force table. C. Hire. 1,806,350; May 19.
Forcep, Suture. C. J. Pilling and B. F. Wiegand. 1,815,725; July 21.
Forceps. F. H. Lahey. 1,806,808; May 26.
Forceps or scissorlike surgical instruments. U. Wilck. 1,795,532; Mar. 10.
Foreign substances into vacuum tube lights, Method and apparatus for introducing. R. C. Smalley. 1,826,383; Oct. 6.
Forging. C. A. Brauchler. 1,791,187; Feb. 3.
Forging apparatus. H. Kuhlemeier and J. Gerhard. 1,793,938; Feb. 24.
Forging machine. F. A. Halleck. 1,820,188; Aug. 25.
Forging machine. J. Lesicko. 1,807,696; June 2.
Forging machine. W. H. Wineman. 1,820,207–8; Aug. 25.
Forging-machine, Bit. C. J. Angstrom. 1,799,151; Apr. 7.
Forgings, Method of and mechanism for trimming. J. H. Friedman. 1,805,943; May 19.
Fork: *See*—
Brick fork.
Dumping fork.
Fiber or paper fork.
Hay fork.
Setting fork.
Tuning fork.
Fork. J. L. Bennett. 1,837,751; Dec. 22.
Fork. J. Huie. 1,801,084; Apr. 14.
Fork. E. K. Innes. 1,787,683; Jan. 6.
Fork. J. J. Madden. Des. 83,230; Feb. 3.
Fork and grid cleaner, Filling. J. F. West. 1,813,217; July 7.
Fork for motor vehicles. G. A. Grab. 1,815,770; July 21.
Fork grid and clearer for looms, Filling. J. C. Wright. 1,819,939; Aug. 18.
Fork or analogous article. P. C. Gallagher. Des. 85,282; Oct. 6.
Fork or similar article. P. B. Ball. Des. 84,729; July 28.
Fork or similar article. P. B. Ball. Des. 84,804; Aug. 11.
Form. M. E. Murphy. 1,819,916; Aug. 18.
Form, Adjustable concrete. A. R. Cuthbertson. 1,790,135; Jan. 27.
Form and form holder for concrete joist and slab construction, Metal. G. S. Nelson. 1,789,049; Jan. 13.
Form and form holder for concrete wall and arch construction. H. L. Feldblet. 1,799,505; Apr. 7.
Form and making same, Printing. E. S. Ballard. 1,831,645; Nov. 10.
Form and support, Floor. E. L. Soulé. 1,836,197; Dec. 15.
Form clamp. G. B. Bosco. 1,835,005; Dec. 8.
Form clamp. A. H. Symons. 1,796,771; Mar. 17.
Form, Collapsible tire building. A. L. Heston. 1,835,986; Dec. 8.
Form, Communicating. F. R. Hardie. 1,803,704; May 5.
Form construction for concrete curbing. A. S. Wolf. 1,833,509; Nov. 24.
Form construction for concrete floors. C. T. Whitescarver. 1,811,249; June 23.
Form, Drying. J. F. McNamara. 1,836,270; Dec. 15.
Form, Drying. W. W. Sibson. 1,833,877; Nov. 24.
Form filler. J. Obstler. 1,825,246; Sept. 29.
Form, Foldable garment. F. O. Becherer. 1,800,429; Apr. 14.
Form for ceiling and floor construction, Collapsible. F. M. Kandle. 1,830,606; Nov. 3.
Form for concrete construction. E. H. Yarwood. 1,791,881; Feb. 10.
Form for dresses. J. B. Carlston. 1,805,076; May 12.
Form for making paper boxes, Adjustable. C. Schwarz and P. Panhorst. 1,826,260; Oct. 6.
Form for making reenforced piles, Sectional. H. H.
Form for openings in walls, Plaster trim. T. L. Hannay. 1,836,846; Dec. 15.
Form for paving, Joint. R. D. Farmer. 1,826,062; Oct. 6.
Form for rubber articles. E. Hopkinson. 1,826,214; Oct. 6.
Form for supporting monolithic slab of cementitious material. H. E. Marks and G. Osborne. 1,819,906; Aug. 18.
Form for underreamer lugs, Dressing. C. H. Brown. 1,823,782; Sept. 15.
Form for washing and drying gloves. C. D. Thom. 1,805,709; May 19.
Form, Garment. M. Kabins. 1,838,262; Dec. 29.
Form hanger. G. E. Greenwood. 1,821,969; Sept. 8.
Form, Hosiery. W. J. DeWitt. 1,813,388; July 7.
Form, Hosiery. T. Plough. 1,830,001; Nov. 3.
Form, Hosiery drying. P. Guggenheim. 1,813,737; July 7.
Jenkins. 1,816,586; July 28.
Form, Hosiery drying. T. W. Prosser and J. H. Wahlbeck. 1,837,481; Dec. 22.
Form, Hosiery turning and inspecting. H. Hemmerich. 1,811,049; June 23.
Form, Necktie pressing. S. L. Garfinkel. 1,818,889; Aug. 11.
Form or mold for concrete. J. K. Goin. 1,795,021; Mar. 3.
Form, Pipe. G. Almquist. 1,837,092; Dec. 15.
Form, Shirt. B. Lerman. 1,816,539; July 28.
Form, Shoe. W. J. De Witt. 1,817,299; Aug. 4.
Form, Shoe. W. J. De Witt. 1,821,695; Sept. 1.
Form, Standard gear tooth. A. B. Cox. 1,825,621; Sept. 29.
Form, Stocking. C. T. Griffith. 1,813,848; July 7.
Form stripper, Sheet rubber goods. R. H. Coovert and L. W. Wilkinson. 1,818,792; Aug. 11.
Form, Tool dressing. F. Swan. 1,812,025; June 30.
Formamide, Production of. B. S. Lacy. 1,787,483; Jan. 6.
Former for artificial flowers. A. Dolia. 1,819,234; Aug. 18.
Former for combination fiber paper twine. H. S. Mears. 1,832,942; Nov. 24.
Forming and cutting machine. W. J. Boyle, Jr. 1,803,542; May 5.
Forming apparatus. N. A. Curtiss. 1,823,680; Sept. 15.
Forming device. H. Biggar. 1,793,044; Feb. 17.
Forming die. A. Johnson. 1,792,224; Feb. 10.
Forming machine. E. Houser. 1,794,691; Mar. 3.
Forming machine, Automatic. C. H. and F. H. Fischer. 1,793,279; Feb. 17.
Forming machine for plastic material. G. H. Petri. 1,817,643; Aug. 4.
Forming machine for pop corn and the like. W. H. Carson. 1,796,321; Mar. 17.
Forming mechanism. G. F. Ford and W. F. Pittman. 1,806,895; May 26.
Forming press. J. W. Bishop. 1,805,275; May 12.
Forms, Adjustment for alignment of road or similar. J. B. Rogers. 1,827,672; Oct. 13.
Forms from stone slabs, Method of and apparatus for cutting. G. M. Rand. 1,825,420; Sept. 29.
Forms, Packaging hosiery. W. J. De Witt. 1,833,356; Nov. 24.
Formula and process for manufacturing peanut-flavored coating for ice cream and hard peanut-flavored coating. H. Beatty and C. Mongere. 1,796,825; Mar. 17.
Foundation for buildings, bridges, and the like. J. H. Thornley. 1,822,550; Sept. 8.
Foundation for refrigerator car tanks. G. E. Gilbreth. 1,837,613; Dec. 22.
Foundation supporting device, Paper and plaster. G. L. Woodjard. 1,803,824; May 5.
Foundry and casting plant. D. C. Mulvihill. 1,798,485; Mar. 31.
Foundry apparatus. A. E. Geddes. 1,832,626; Nov. 17.
Foundry facing and making same. B. F. Wallace. 1,787,964; Jan. 6.
Foundry molding machine. T. W. Bullock. 1,824,009; Sept. 22.
Fount, Poultry. C. A. Pech and B. B. Root. 1,835,964; Dec. 8.
Fountain: *See*—
Beverage fountain.
Desk stand and ink fountain.
Drinking fountain.
Electric fountain.
Illuminated fountain.
Non-freezing water fountain.
Poultry fountain.
Soda dispensing fountain.
Soda fountain.
Stock fountain.
Watering fountain.
Fountain attachment for faucets, Adjustable. L. C. Rathbun. 1,835,428; Dec. 8.
Fountain display and advertising device. W. H. Jones. 1,799,852; Apr. 7.

Fountain for poultry, Automatic water. K. I. Miller. 1,801,932; Apr. 21.
Fountain for poultry, Drinking. J. A. Healy. 1,812,530; June 30.
Fountain for poultry, Drinking. A. R. Hoeft. 1,816,849; Aug. 4.
Fountain for poultry, Water. R. K. Stevens. 1,818,017; Aug. 11.
Fountain head or similar article, Drinking-. R. B. Hills. Des. 83,729; Mar. 24.
Fountain or similar article, Display. E. Guido. Des. 85,238; Sept. 29.
Fountain tank. H. K. Pinkerton and F. L. Rhyndress. Re18,169; Aug. 25.
Fountain unit. J. H. Boyden. 1,824,116; Sept. 22.
4-amino-beta-phenyl anthraquinone by ring closure, Preparation of. P. H. Groggins. 1,814,148; July 14.
4.4'-tetrathyldiaminodiphenylmethane, Making. H. Kladivko, jr. 1,803,331; May 5.
4-halogen-beta-phenyl-anthraquinone, Preparation of. P. H. Groggins. 1,814,146; July 14.
Four-in-hand tie. M. W. Reese. 1,794,497; Mar. 3.
Four stroke cycle engine. M. Blau and E. Freytag. 1,831,155; Nov. 10.
4-substitution products of the quinoline series, Producing. A. Prill and R. Walter. 1,806,563–4; May 19.
4'-sulpho-o-benzoyl-benzoic acid, Preparing. I. Gubelmann, H. J. Weiland, and O. Stallmann. 1,810,013; June 16.
4'-sulpho-2-benzoyl-5-amino-benzoic acid. I. Gubelmann, H. J. Weiland, and O. Stallmann. 1,810,009; June 16.
4'-sulpho-2-benzoyl-5-nitro-benzoic acid and making same. I. Gubelmann, H. J. Weiland, and O. Stallmann. 1,810,008; June 16.
Fourdrinier machine. J. A. White. 1,816,754; July 28.
Foxing cementing. J. M. Benjamin. 1,829,779; Nov. 3.
Fowl, Apparatus for feeding. C. Zehner. 1,801,787; Apr. 21.
Fowl plucking machine. R. E. Slayton. 1,822,243; Sept. 8.
Fowl, Preserving. J. N. Crider. 1,797,606; Mar. 24.
Fractional distillation and condensation of complex mixtures, Device for the. E. Voituron. 1,832,800; Nov. 17.
Fractionating apparatus, Centrifugal. J. B. Heid. 1,839,097; Dec. 29.
Fractionating column. J. B. Heid. 1,811,627; June 23.
Fractionation. T. D. Tifft and W. Mendius. 1,789,059; Jan. 13.
Fracture splint. J. L. Preston. 1,797,480–1; Mar. 24.
Fractures, Reducing. C. P. Jones and W. D. Paynter. 1,829,902; Nov. 3.
Frame: *See*—

Beehive brood frame.
Bicycle frame.
Body frame.
Bulletin frame.
Canopy frame.
Cap frame.
Coin and picture frame.
Dirigible frame.
Display frame.
Door frame.
Egg boiling frame.
Engine frame.
Eyeglass frame.
Garden frame.
Hammock or glider seat frame.
Hanger frame.
Heddle frame.
Hosiery frame.
Hot frame.
Jar frame.
Locomotive booster frame.
Locomotive frame.
Metal and wood frame.
Mower frame.
Ophthalmictrial frame.
Pack frame.
Picture frame.
Press frame.
Razor frame.
Ribbon frame.
Rug frame.
Sash frame.
Saw frame.
Sawing-machine frame.
Screen frame.
Seat frame.
Sign frame.
Sink supporting frame.
Soap frame.
Spectacle frame.
Spinning frame.
Table frame.
Tender frame.
Tent frame.
Textile frame.
Traction frame.
Tractor frame.
Trail frame.
Type-composition frame.
Typewriter frame.
Vehicle frame.
Warp knitting frame.
Wheel frame
Window and door frame.
Window frame.
Wringer frame.

Frame and anchor, Metal. I. A. Baum. 1,808,753; June 9.
Frame and clock casing, Terrestrial globe. H. E. Schulse. Des. 84,794; Aug. 4.
Frame and closure strip, Slotted window. J. Ledwinka. 1,790,931; Feb. 3.
Frame and crank hanger construction, Cycle. G. O. Johnson. 1,800,889; Apr. 14.
Frame and face, Combined clock. R. E. Patten. Des. 83,642; Mar. 10.
Frame and ladder construction, Silo door. S. E. Anderson. 1,811,486; June 23.
Frame and making same, Picture. E. J. Barnard. 1,805,436; May 12.
Frame and sash construction, Window. H. E. Campbell. Re18,026; Apr. 7.
Frame and spring suspension of vehicles. H. C. Reading. 1,801,176; Apr. 14.
Frame and stand, Printing. H. C. Jones. 1,831,389; Nov. 10.
Frame and strengthening member therefor. E. J. Zahner and K. G. Reynolds. 1,832,078; Nov. 17.
Frame and support therefor, Combined terrestrial globe. H. E. Schulse. Des. 84,796; Aug. 4.
Frame and support therefor, Combined terrestrial globe. H. E. Schulse. Des. 84,903; Aug. 18.
Frame and support therefor, Combined terrestrial globe. H. E. Schulse. Des. 85,206; Sept. 22.
Frame and upright, Sign. A. and J. Sprung. Re18,087; June 2.
Frame assembly, Hollow. F. Amiot. 1,803,494; May 5.
Frame, Bedstead. W. D. Tucker. Des. 83,652; Mar. 10.
Frame, clock casing and support therefor, Combined terrestrial globe. H. E. Schulse. Des. 85,207; Sept. 22.
Frame construction. J. L. Dykestra. 1,795,938; Mar. 10.
Frame construction. J. F. Warner. 1,807,186; May 26.
Frame construction for cameras, Bellows. N. B. Green. 1,833,459; Nov. 24.
Frame construction for corn harvesters. J. Powell. 1,838,569; Dec. 29.
Frame construction, Instrumentality of. T. E. Markley. 1,793,706; Feb. 24.
Frame construction, Window. T. W. Macaulay, and S. Rastelli. 1,823,947; Sept. 22.
Frame corner bead. L. A. Mulligan. 1,817,162; Aug. 4.
Frame, Eyeglass. F. G. Marciano. Des. 83,631; Mar. 10.
Frame for all plaster walls. I. A. Baum. 1,808,338; June 2.
Frame for automobile license plates. H. Ipsen. 1,793,696; Feb. 24.
Frame for banjo clock, Clock. F. Lo Castro. Des. 83,626; Mar. 10.
Frame for bicycles, Side car. R. Linn. 1,824,675; Sept. 22.
Frame for car trucks, Side. F. M. Gillespey. 1,834,944; Dec. 8.
Frame for car trucks, Side. J. J. McBride. 1,787,990; Jan. 6.
Frame for coating pails and the like. J. Carroll. 1,808,157; June 2.
Frame for continuous spinning, Throstle. J. Oswald. 1,792,182; Feb. 10.
Frame for elevator machines, Base. F. E. Turner. 1,810,506; June 16.
Frame for furnace doorways. E. Williams. 1,836,784; Dec. 15.
Frame for holding boots, especially snow shoes. J. Wandeler. 1,810,308; June 16.
Frame for medium and long fibrous material, more particularly combed wood, artificial silk, ramie, Pull-through drawing. P. Cornibert. 1,827,385; Oct. 13.
Frame for motor cars, Rigid. N. L. Causan. 1,826,730; Oct. 13.
Frame for motor vehicles. A. Duresen. 1,802,050; Apr. 21.
Frame for openings, Unitary. I. A. Baum. 1,835,586; Dec. 8.
Frame for refrigerator cars, Tank. B. H. Yoder. 1,820,641; Aug. 25.
Frame for staples, Holding. C. E. Hallen. 1,827,315; Oct. 13.
Frame for supporting display cards and the like. D. L. Hollenbeck. 1,804,164; May 5.
Frame for vehicles. F. J. Osborn and N. F. Wood. 1,816,788; July 28.
Frame for wall construction, Skeleton. A. Dickson. 1,791,197; Feb. 3.
Frame for weaving tufted fabrics, Tuft. C. Alvord. 1,817,601; Aug. 4.
Frame for window-regulator Mechanism, Supporting. E. L. Ackerman. 1,800,001; Apr. 7.
Frame for windows, skylights, and the like. R. St. L. Peverley. 1,792,704; Feb. 17.
Frame hook, Picture. J. J. Chavez. 1,801,660; Apr. 21.
Frame of locomotives, End. H. Glaenzer. 1,793,393; Feb. 17.
Frame or apparatus for use in the production of sound records, Pressure. F. Schellhorn. 1,790,113; Jan. 27.
Frame or machine for cutting the pile of pile fabrics. G. Roger. 1,801,783; Apr. 21.
Frame panel, Picture. H. L. Budd. 1,802,999; Apr. 28.
Frame structure for dynamo electric machines. L. B. Ehrlich. 1,822,342; Sept. 8.
Frame structure, Integral. H. F. Frease. 1,802,011; Apr. 21.
Frame, Tapestry, embroidery, or rug. T. R. Lombard. 1,834,462; Dec. 1.
Frame, Terrestrial globe. H. E. Schulse. Des. 84,795; Aug. 4.
Frame truss structure. C. L. Ewing. 1,800,988; Apr. 14.
Frame with opening and closure therefor. E. J. Zahner and K. G. Reynolds. 1,832,174; Nov. 17.
Frame with tilting lever weight, Multiple-roller drawing. E. Toenniessen. 1,837,926; Dec. 22.
Framing mechanism. A. Dina. 1,834,205; Dec. 1.
Frames, Attachment for honeycomb. H. J. Schmidt. 1,787,840; Jan. 6.
Frames, Corner connection for. I. A. Baum. 1,808,490; June 2.
Frames, Corner connection for door. I. A. Baum. 1,788,144; Jan. 6.
Frames, Device for securing intersecting metal. I. A. Baum. 1,788,143; Jan. 6.
Frames, Making metallic. J. B. Abrams. 1,836,354; Dec. 15.
Frames, Producing instrument. E. W. Arms. 1,837,312; Dec. 22.

Frames, Ring and holder for spinning and twisting. J. F. Marshall. 1,835,071; Dec. 8.
Frames, Thread guide for spinning or twisting. J. H. Bolton and S. B. Hyde. 1,834,933; Dec. 8.
Framework, Metallic structural. J. A. Ferguson. 1,837,706; Dec. 22.
Freeness tester. F. M. Williams. 1,828,210; Oct. 20.
Freezer. H. C. Little. 1,800,649; Apr. 14.
Freezer attachment, Ice-cream-. P. J. Brennan. 1,790,365; Jan. 27.
Freezer, Confection. J. H. Westfield. 1,823,633; Sept. 15.
Freezer, Ice cream. J. H. Gardner. 1,813,490; July 7.
Freezer, Ice cream. G. F. McDougall. 1,837,565; Dec. 22.
Freezing apparatus. A. H. Cooke. 1,795,330; Mar. 10.
Freezing apparatus. L. S. Pfouts. 1,803,640; May 5.
Freezing apparatus. M. P. Vucassovich. 1,822,718; Sept. 8.
Freezing device. J. J. Hayes. 1,826,781; Oct. 13.
Freezing machine. J. H. Hagen. 1,827,873; Oct. 20.
Freezing of water pipes, Preventing. R. Hickman. 1,815,474; July 21.
Freezing point lowering composition. A. N. Erickson. 1,804,463; May 12.
Freezing unit, Sharp. L. G. Copeman. 1,816,211; July 28.
Freezing unit. J. G. Lapham. 1,834,459; Dec. 1.
Freight and express, Handling. G. B. Bergen, jr. 1,835,133; Dec. 8.
Freight, Apparatus for transferring. B. F. Fitch. 1,825,786–7; Oct. 6.
Freight-handling apparatus. J. F. McGinness and H. W. Cahill. 1,793,332; Feb. 17.
Freight handling device. W. E. and W. T. Leech and A. T. Barager. 1,830,740; Nov. 3.
Freight hook. E. A. Norman. 1,832,045; Nov. 17.
Freight hook. E. A. Normand. 1,836,545; Dec. 15.
Freight, System and apparatus for handling. B. F. Fitch. 1,802,010; Apr. 21.
Freight, System of transferring. H. H. French. 1,835,859; Dec. 8.
French-binding straightening and cementing machine. J. W. Cosgrove. 1,790,901; Feb. 3.
Frequencies, Combining and eliminating. C. W. Hansell. 1,789,364; Jan. 20.
Frequency changer. J. I. Hull. 1,816,777; July 28.
Frequency changer, Single-unit. F. W. Merrill. 1,800,027; Apr. 7.
Frequency changes, Indicating. H. Schuchmann. 1,787,997; Jan. 6.
Frequency-changing apparatus of the thermionic type, Electrical. H. Andrews. 1,828,094; Oct. 20.
Frequency changing switch. A. M. Trogner. 1,830,682; Nov. 3.
Frequency controller, Automatic. L. J. Wolf. 1,788,073; Jan. 6.
Frequency dependent regulator. G. Boll. 1,787,435; Jan. 6.
Frequency eliminator. E. I. Green. 1,794,847; Mar. 3.
Frequency-increasing device employing mercury vapor lamps. M. L. Touly. 1,821,821; Sept. 1.
Frequency indicator. R. E. Malles. 1,813,942; July 14.
Frequency meter, Piezo-electric. H. Eberhard. 1,817,030; Aug. 4.
Frequency modulation. C. W. Hansell. 1,830,166; Nov. 3.
Frequency modulation. G. L. Usselman. 1,794,932; Mar. 3.
Frequency modulation system. A. H. Taylor. 1,831,933; Nov. 17.
Frequency range, Compression of. A. Carpe. 1,821,004; Sept. 1.
Frequency range, Compression of. W. T. Wintringham. 1,821,997; Sept. 8.
Frequency range for signaling channels, Utilizing a wide. E. I. Green. 1,802,420; Apr. 28.
Frequency regulator. C. H. Smoot. 1,836,559; Dec. 15.
Frequency responsive apparatus. A. S. Fitz Gerald. 1,809,683; June 9.
Fretted instrument adjusting means. A. Larson. 1,818,631; Aug. 11.
Friction bodies for brake and clutch purposes, Manufacture of. H. Kattwinkel. 1,813,576; July 7.
Friction brake. W. A. Blume. 1,796,433; Mar. 17.
Friction brake. B. F. Shields. 1,818,100; Aug. 11.
Friction brake. H. N. Smith. 1,830,341; Nov. 3.
Friction clutch. D. E. Gamble. 1,821,150; Sept. 1.
Friction clutch block. W. A. Blume. 1,822,430; Sept. 8.
Friction coupling. F. Hinnekens. 1,807,210; May 26.
Friction device. H. C. Lord. 1,810,872; June 16.
Friction device, Antitipping. F. C. Mason. 1,799,919; Apr. 7.
Friction device for hoisting machines, Hydraulic. E. Peskar. 1,823,626; Sept. 15.
Friction device for shuttles. H. A. Davol. 1,821,830; Sept. 1.
Friction element and making the same. J. Driscoll. 1,812,326; June 30.
Friction element and making the same. F. C. Stanley. 1,790,176; Jan. 27.
Friction elements, Producing. I. J. Novak. 1,790,944; Feb. 3.
Friction facing members, Securing. A. Bluhm. 1,789,133; Jan. 13.
Friction material. R. L. R. Wild. 1,803,448; May 5.
Friction-reverse attachment. W. J. Edwards. 1,787,571; Jan. 6.
Friction spring. T. Held. 1,816,325; July 28.
Friction testing machine. A. A. Schaefer. 1,810,405; June 16.
Friction wheel, Power transmitting. R. von Krenski. 1,803,953; May 5.
Frigid unit. C. A. Stickney. 1,791,850; Feb. 10.
Fringe forming machines, Automatic winding mechanism for. P. Kranz and A. P. Schmid. 1,838,771; Dec. 29.
Fringe tassel and making same. R. E. Walliser. Re18,250; Nov. 17.
Fringe to the edges of carpet, Mechanism for attaching. A. F. McCollum. 1,798,025; Mar. 24.
Frog, Double slope re-railing. R. W. Bryant. 1,827,220; Oct. 13.
Frog for grooved rails. M. Ohrmacher. 1,808,389; June 2.
Frog tie plate. E. W. Caruthers. 1,799,353; Apr. 7.
Front for a spectacle frame. G. E. Nerney. Des. 85,593; Nov. 17.
Front, Store. A. S. Root and J. Levin. Des. 85,768; Dec. 15.
Front-wheel brake. A. W. Frehse. 1,798,936; Mar. 31.
Frost in air lines, Method of and apparatus for eliminating. C. H. Tanner. 1,802,683; Apr. 28.
Frost on windshields, Device for preventing accumulation of. J. Williams. 1,835,833; Dec. 8.
Froth flotation process. O. D. Cunningham. 1,813,342–3; July 7.
Froth flotation process. O. D. Cunningham. 1,814,434; July 14.
Fruit, Apparatus for peeling. M. J. Casey. 1,827,869; Oct. 20.
Fruit and novelty box, Collapsible. C. Augustin and T. P. Carroll. 1,820,523; Aug. 25.
Fruit and the like, Device for packing. E. B. Hiatt. 1,787,941; Jan. 6.
Fruit and the like, Packaging. G. K. S. Ferguson. Re18,099; June 16.
Fruit and vegetable stand. J. H. Scott. 1,802,579; Apr. 28.
Fruit-crushing mill, Citrus-. A. C. Mathewson. 1,789,444; Jan. 20.
Fruit, Desulphurizing. C. C. Moore. 1,835,237; Dec. 8.
Fruit feeding device. M. E. Dunkley. 1,837,765; Dec. 22.
Fruit for market, Preparation of fresh. E. M. Brogden and M. L. Trowbridge. 1,794,346; Feb. 24.
Fruit for market, Preparation of fresh. E. M. Brogden and M. L. Trowbridge. 1,795,275; Mar. 3.
Fruit for retarding decay from blue and green mold, Treating fresh. H. B. Slater. 1,813,127; July 7.
Fruit for the prevention of decay, Treatment of. H. R. Fulton and J. J. Bowman. 1,797,572–3; Mar. 24.
Fruit gatherer. G. W. Helsel. 1,801,272; Apr. 21.
Fruit gatherer. S. Pavloff. 1,811,328; June 23.
Fruit gathering machine. P. H. Lint. 1,808,928; June 9.
Fruit grading or sorting machine. A. H. McIntyre. 1,835,889; Dec. 8.
Fruit in refrigerator cars, Sterilizing. L. W. Collins. 1,806,012; May 19.
Fruit juice and making the same, Concentrated. P. Garrett. 1,790,140; Jan. 27.
Fruit juice, pulp, and seed extractor, Automatic. G. C. Gum. 1,834,097; Dec. 1.
Fruit juices, Drying. C. B. v. Börnegg. 1,800,501; Apr. 14.
Fruit, Method and apparatus for coring. B. C. Coons. 1,817,967; Aug. 11.
Fruit packer's bench. A. J. Black. 1,824,979; Sept. 29.
Fruit, Packing. E. F. Meer. 1,829,230; Oct. 27.
Fruit-packing device. A. W. Herriman. 1,796,948; Mar. 17.
Fruit, paring machine. B. C. Coons. 1,823,854; Sept. 15.
Fruit, particularly raisins, Treating dried. T. W. W. Forrest. 1,823,265; Sept. 15.
Fruit peeling apparatus. A. L. Duncan. 1,831,786; Nov. 10.
Fruit peeling machine. H. and D. Goranson. 1,836,320; Dec. 15.
Fruit peeling machine. M. Reinstein and E. Erikson. 1,837,335; Dec. 22.
Fruit picker. M. Coleman. 1,799,887; Apr. 7.
Fruit picker. F. E. Maguire. 1,801,675; Apr. 21.
Fruit picker. B. Nordhop. 1,802,267; Apr. 21.
Fruit picker. A. H. Palmbush. 1,825,601; Sept. 29.
Fruit-picker's bag. W. May. 1,797,097; Mar. 17.
Fruit, Pitting. A. K. Smith. 1,794,479; Mar. 3.
Fruit pitting apparatus. A. R. Thompson. 1,825,835; Oct. 6.
Fruit press. G. R. Catoldo. 1,803,595; May 5.
Fruit press. F. Cirignani. 1,801,487; Apr. 21.
Fruit press. A. Ipri. 1,837,048; Dec. 15.
Fruit products, Producing citrus. H. G. Loesch. 1,808,737; June 2.
Fruit pulping machine. H. Hurst. 1,838,626; Dec. 29.
Fruit ripening apparatus. J. O. Walsh. 1,829,951; Nov. 3.
Fruit-serving device. R. M. Conklin. 1,799,282; Apr. 7.
Fruit sorter and cleaner. G. G. Bates. 1,811,991; June 30.
Fruit to preserve the same in transit to market, Treating. R. D. McDill. 1,836,267; Dec. 15.
Fruit treating apparatus. C. P. Wilson and R. D. Nedvidek. 1,830,180; Nov. 3.
Fruit treatment machine and method. M. E. Dunkley. 1,822,276; Sept. 8.

Fruit vending machine. N. P. Petersen. 1,816,341; July 28.
Fruit washer. A. I. Morton. 1,826,015; Oct. 6.
Fruit washing machine. J. G. Coates. 1,834,018; Dec. 1.
Fruit washing machine. G. F. Frine. 1,824,814; Sept. 29.
Fruits and vegetables by gas inhibition and refrigeration, Preservation of fresh. C. Brooks. 1,798,781; Mar. 31.
Fruits and vegetables from mold and decay, Preservation of fresh. A. S. Wysong. 1,828,518 Oct. 20.
Fruits, Extracting the oily materials from the peels of citrus. W. A. Pipkin. 1,798,555; Mar. 31.
Fruits, Preserving fresh. E. M. Brogden. 1,827,219; Oct. 13.
Fruits, Treating. H. T. O'Neill and A. J. Harriman. 1,813,357–8; July 7.
Fuel adjunct device for gas engines. J. H. Gravell. 1,812,092; June 30.
Fuel agitators, Actuating means for. D. J. Mosshart. 1,804,638; May 12.
Fuel-air-mixtures for internal combustion engines, Process and device for treating. J. Grivin. 1,805,472; May 19.
Fuel and air mixtures for internal combustion engines. J. C. Morrell. 1,818,240; Aug. 11.
Fuel and delivery thereof to a place of combustion, System of and means for preparing. J. E. Kennedy. 1,809,902; June 16.
Fuel and generating gas therefrom, Method of and apparatus for preparing. H. F. Smith. 1,824,576; Sept. 22.
Fuel and improving same, Motor. L. Rosenstein and W. J. Hund. 1,835,184; Dec. 8.
Fuel and making same. R. L. Rodgers. 1,793,014; Feb. 17.
Fuel and making the same, Solidified. A. B. Ray. 1,816,125; July 28.
Fuel and pressure gauge, Combined. G. F. Ruopp. 1,798,434; Mar. 31.
Fuel and producing and using the same, Engine. C. J. Greenstreet. 1,800,997; Apr. 14.
Fuel, Apparatus and method for handling pulverized. G. A. Conrath. 1,804,593; May 12.
Fuel, Apparatus for and method of feeding powdered. M. W. Arrowood. 1,838,521; Dec. 29.
Fuel, Apparatus for and process of feeding powdered. M. W. Arrowood. 1,831,087; Nov. 10.
Fuel, Apparatus for burning. G. H. Kaemmerling. 1,816,434; July 28.
Fuel, Apparatus for burning liquid. C. R. Boyce. 1,820,774; Aug. 25.
Fuel, Apparatus for burning liquid. H. F. Clayton. 1,830,052; Nov. 3.
Fuel, Apparatus for burning liquid. W. W. Williams. 1,795,814; Mar. 10.
Fuel, Apparatus for gasifying liquid. P. M. Cabell. 1,834,087; Dec. 1.
Fuel, Apparatus for the manufacture of carbonized. S. R. Illingworth. 1,800,633; Apr. 14.
Fuel atomizer. L. H. L. Bellem and E. C. Foss. 1,793,154; Feb. 17.
Fuel briquet. R. P. Botsch. 1,808,340; June 2.
Fuel briquette and making same. D. S. Andrews. 1,793,833; Feb. 24.
Fuel burner. A. Fernandez. 1,819,363; Aug. 18.
Fuel burner. D. S. Frank. 1,807,977; June 2.
Fuel burner. D. E. Lain. 1,820,916; Sept. 1.
Fuel burner. C. J. Sherwood. 1,823,381; Sept. 15.
Fuel burner. S. T. Warner. 1,790,395; Jan. 27.
Fuel burner, Disappearing rotary hydrocarbon fuel. T. Davis. 1,826,995; Oct. 13.
Fuel burner, Pulverized. L. V. Andrews and O. Craig. 1,817,911; Aug. 11.
Fuel burner, Pulverized. L. E. Pinckard. 1,835,332; Dec. 8.
Fuel burner, Pulverized. R. C. Roe. 1,808,682; June 2.
Fuel burner, Pulverized. H. F. Schmidt. 1,831,466; Nov. 10.
Fuel burner, Pulverized. J. Van Brunt. 1,795,454; Mar. 10.
Fuel burning apparatus and method. H. Adams. 1,817,470; Aug. 4.
Fuel burning apparatus, Liquid. L. Motley. 1,838,321; Dec. 29.
Fuel-burning device. H. G. Lykken. 1,791,099; Feb. 3.
Fuel burning means and method, Liquid. A. B. Frenier. 1,831,529; Nov. 10.
Fuel burning means for cooking vessels. F. R. Mott. 1,822,106; Sept. 8.
Fuel burning mechanism, Liquid. W. W. Williams. 1,806,550; May 19.
Fuel-burning system. K. A. Mayr. 1,799,757; Apr. 7.
Fuel burning system, Liquid. M. H. Braden. 1,807,376; May 26.
Fuel charge for an internal combustion engine, Preparing. J. A. Secor. 1,816,345; July 28.
Fuel charging device, Automatic. J. H. Gleason. 1,831,066; Nov. 10.
Fuel charging mechanism. J. H. Gleason. 1,806,623; May 26.
Fuel composition and preparing the same. S. P. Miller. 1,811,953; June 30.
Fuel conditioning apparatus. F. D. Hoffman. 1,831,912; Nov. 17.
Fuel control, Apparatus and method for. L. de Florez. 1,815,051; July 21.
Fuel control device for gasoline and oil engines. L. Kelly. 1,815,259; July 21.
Fuel control, Electrically operated. W. J. White. 1,813,719; July 7.
Fuel damper and stack control, Automatic. C. H. Quinn. 1,837,923; Dec. 22.
Fuel-deflector attachment. W. E. Daniels, sr. 1,787,671; Jan. 6.
Fuel device. H. G. Lykken. 1,793,705; Feb. 24.
Fuel-distributing apparatus. H. E. Lippert. 1,793,223; Feb. 17.
Fuel distribution and vaporization. H. A. Trussell. 1,827,830; Oct. 20.
Fuel distributor. F. C. Pickard. 1,834,730; Dec. 1.
Fuel economizer. R. S. Wallenberg. 1,799,074; Mar. 31.
Fuel economizing furnace, Smokeless. J. B. Ehrlich. 1,812,940; July 7.
Fuel, etc., Production of. S. P. Miller. 1,812,829; June 30.
Fuel feed controlling mechanism. E. Roučka. 1,835,088; Dec. 8.
Fuel feed in furnaces, Apparatus for controlling. E. Roučka. 1,835,089; Dec. 8.
Fuel feeding apparatus. J. C. Coulombe. 1,823,887; Sept. 22.
Fuel feeding apparatus. M. A. Hofft, N. T. Puckett, and W. M. Squires. 1,835,989; Dec. 8.
Fuel feeding apparatus, Automatic. E. Roučka. 1,835,090; Dec. 8.
Fuel feeding apparatus for liquid fuel burners. G. E. Goodridge. 1,819,892; Aug. 18.
Fuel feeding apparatus, Vacuum operated. C. S. Burton. 1,834,140; Dec. 1.
Fuel-feeding device. W. A. Edwards. 1,788,710; Jan. 13.
Fuel feeding device. W. A. Edwards. 1,819,236; Aug. 18.
Fuel feeding device for internal-combustion motor. A. L. Colmant. 1,797,975; Mar. 24.
Fuel feeding device, Vacuum. T. F. Spackman. 1,788,961; Jan. 13.
Fuel feeding means for internal combustion engines. M. G. Chandler. 1,822,011; Sept. 8.
Fuel feeding system. L. O. French. 1,803,666; May 5.
Fuel-feeding system. C. Hofbauer. 1,791,130; Feb. 3.
Fuel feeding system, Direct. W. A. Edwards. 1,838,137; Dec. 29.
Fuel for burning, Apparatus for preparing briquetted. L. B. Green. 1,793,691; Feb. 24.
Fuel for burning, Preparing liquid. J. I. McMullen. 1,820,755; Aug. 25.
Fuel for combustion, Apparatus for preparing pulverized. H. T. Dyer. 1,823,932; Sept. 22.
Fuel for combustion, Apparatus for preparing pulverized. E. H. Peabody. 1,787,593; Jan. 6.
Fuel for internal combustion engines, Injection of. F. Rochefort. 1,821,817; Sept. 1.
Fuel for use in internal combustion engines and the production thereof, Liquid. W. H. Hoffert. 1,816,811; July 28.
Fuel gas distributing system for coke ovens. J. Becker. 1,815,285; July 21.
Fuel, Gasification of solid. L. Chavanne. 1,799,886; Apr. 7.
Fuel heater. E. E. Hans. 1,790,469; Jan. 27.
Fuel heating device. F. Brandt. 1,838,804; Dec. 29.
Fuel injection apparatus for internal combustion engines. L. Berner and P. Lohr. 1,821,173; Sept. 1.
Fuel-injection mechanism and method. C. P. Clark and C. A. Bjornnson. 1,791,443; Feb. 3.
Fuel injection system. L. O. French. Re18,194–5; Sept. 15.
Fuel injection system. W. E. Goldsborough and B. Schilling. 1,807,524; May 26.
Fuel injection valve. E. A. Canning. 1,821,790; Sept. 1.
Fuel injector for oil engines. M. J. Goldberg. 1,814,443; July 14.
Fuel into internal combustion engines, Device for injecting. A. A. Morton. 1,828,676; Oct. 20.
Fuel loss indicator. R. E. Bissell. 1,827,930; Oct. 20.
Fuel, Making a solid. F. T. Snyder. 1,822,383; Sept. 8.
Fuel making method and apparatus, Waste. R. E. Caller. 1,809,819; June 16.
Fuel material, Briquetting. A. D. Little. 1,809,245; June 9.
Fuel metering apparatus. L. E. Gould. 1,804,557; May 12.
Fuel, Method and apparatus for burning. D. J. Irish. 1,801,431; Apr. 21.
Fuel mixer. C. B. Dounce. 1,796,706; Mar. 17.
Fuel mixer. J. and A. C. Sladky. 1,791,150; Feb. 3.
Fuel mixing apparatus. W. F. Fenzel. 1,803,240; Apr. 28.
Fuel mixing device. G. W. McKee. 1,829,102; Oct. 27.
Fuel mixing device. J. W. Smith. 1,825,892; Oct. 6.
Fuel mixing device, Gaseous. E. E. Brown. 1,822,952; Sept. 15.
Fuel mixing device, Gaseous. P. J. Dasey. 1,806,790; May 26.
Fuel mixing device, Gaseous. H. Rabezzana. 1,825,361; Sept. 29.
Fuel mixture regulator, Automatic. H. Hübner. 1,825,187; Sept. 29.
Fuel, Motor. D. Stryker. 1,826,439; Oct. 6.
Fuel oil distributor. A. T. Kasley. 1,830,839; Nov. 10.

Fuel oil heater. B. A. Hendricks. 1,806,942; May 26.
Fuel or gasoline from petroleum oil, Producing motor. M. L. Chappell. 1,811,257; June 23.
Fuel particles, Apparatus for the distillation of suspended. F. Bartling. 1,798,995; Mar. 31.
Fuel, Preparing. P. D. Dressler. 1,812,432; June 30.
Fuel preparing and handling system. H. Kreisinger. 1,814,560; July 14.
Fuel, Producing. W. E. Trent. 1,838,884; Dec. 29.
Fuel, Producing an artificial. G. W. Traer. 1,810,878; June 16.
Fuel, Production of motor. G. Egloff. 1,800,822; Apr. 14.
Fuel pulverizing machines, Outfeeding means for. P. A. Hirsch. 1,828,712; Oct. 20.
Fuel regulator. A. H. Thompson. 1,804,849; May 12.
Fuel saver. J. J. Reider. 1,836,728; Dec. 15.
Fuel saver for gasoline engines. J. W. Fowler. 1,795,852; Mar. 10.
Fuel saver for locomotives. N. E. France. 1,824,812; Sept. 29.
Fuel saving device. W. Kreft. 1,802,023; Apr. 21.
Fuel, Solid. R. V. Smith. 1,790,356; Jan. 27.
Fuel spraying. J. Good. 1,803,967; May 5.
Fuel-supply structure. A. W. Pope. 1,797,588; Mar. 24.
Fuel-supply system. L. P. Barlow. 1,792,408; Feb. 10.
Fuel supply system, Carburetor. R. F. Bracke. 1,814,118; July 14.
Fuel supply system for automotive vehicles. C. H. Braselton and F. B. MacLaren. 1,831,993; Nov. 17.
Fuel supply system, Liquid. A. E. Berdon. 1,826,119; Oct. 6.
Fuel supply systems for internal combustion engines of variable load for using heavy fuels. J. Bethenod. 1,806,581; May 26.
Fuel system. C. E. Summers. 1,802,848; Apr. 28.
Fuel system for supercharged engines. J. O. Almen. 1,830,732; Nov. 3.
Fuel tank. E. J. Farkas. 1,792,827; Feb. 17.
Fuel tank. J. Krasnodmsky. 1 831 418; Nov. 10.
Fuel tank. W. Turnbull. 1,795,581; Mar. 10.
Fuel tank, Airplane. G. M. Bellanca. 1,835,370; Dec. 8.
Fuel to furnaces, Device for feeding pulverized. F. H. Rosencrants. 1,789,692; Jan. 20.
Fuel to furnaces, Supplying. J. F. Gogelein and C. J. F. Schoonenberg. 1,788,289; Jan. 6.
Fuel to internal combustion engines, Mechanism for controlling the supply of liquid. F. B. Stearns. 1,819,209; Aug. 18.
Fuel valve. C. F. Nardin. 1,821,396; Sept. 1.
Fuel valve with annular seat. O. Peterson. 1,821,272; Sept. 1.
Fuel, Vaporizing hydrocarbon. I. E. Aske. 1,810,382; June 16.
Fueling system. T. Bossard. 1,828,730; Oct. 27.
Fueling system. T. Bossard. 1,835,265; Dec. 8.
Fuels. Apparatus for preparing liquid. F. P. Youngblood. 1,832,827; Nov. 17.
Fuels, Conversion of solid. C. Müller, G. Wietzel and E. Galle. 1,823,116; Sept. 15.
Fuels into internal combustion engines, Periodically introducing pulverulent. H. Holzwarth. 1,810,768; June 16.
Fuels, Manufacture of liquid. E. Houdry. 1,837,963; Dec. 22.
Fuels, Manufacture of nondetonating motor. A. B. Brown and F. W. Sullivan, jr. 1,797,819; Mar. 24.
Fuels or the like, Feeding means for fluid. L. Lavoie. Re18,094; June 9.
Fuels, Total gasification of wet bituminous. H. Hillebrand. 1,791,411; Feb. 3.
Fuels, Utilizing bituminous. R. H. Carr and C. B. Watson. 1,793,838; Feb. 24.
Fulcrum, Brake beam. G. E. Olson. 1,823,504; Sept. 15.
Fulcrum device, Adjustable equalizer. T. H. Ainsworth. 1,838,079; Dec. 29.
Fuller's earth and the like, Activating. H. L. Pelzer. 1,831,635; Nov. 10.
Fulling and washing machine. D. Gessner. 1,806,342; May 19.
Fulling machine. D. Gessner. 1,832,378; Nov. 17.
Fume generating and inhaling apparatus. J. F. Class. 1,818,692; Aug. 11.
Fumes, Control and treatment of. R. S. Perry. 1,799,177; Apr. 7.
Fumigant material and method of fumigation. H. W. Houghton. 1,818,136; Aug. 11.
Fumigant solution. H. W. Houghton. 1,790,095; Jan. 27.
Fumigating apparatus. K. A. Kilbourne. 1,809,279; June 9.
Fumigating applicator, Cylinder type. C. D. Collins. 1,814,504; July 14.
Fumigating device. E. T. Ladd. 1,819,900; Aug. 18.
Fumigating with calcium cyanide. J. Lingler. 1,820,394; Aug. 25.
Fumigator. J. Glover. 1,838,221; Dec. 29.
Fumigator for fruit and other cars. A. La Fayette. 1,819,562; Aug. 18.
Functions of two independent variables, Apparatus for evaluating. O. Gaedke. 1,788,996; Jan. 13.
Functions of two independent variables, Apparatus for evaluating range-table. O. Gaedke. 1,788,997; Jan. 13.
Fungi, Cultivation of edible. J. Szücs. 1,832,593; Nov. 17.
Fungicide and bactericide. J. W. Roberts. 1,791,430; Feb. 3.
Funnel. J. E. Erickson. 1,810,822; June 16.
Funnel, Automobile vacuum tank. W. F. Wahl. 1,812,670; June 30.
Funnel for liquids. D. B. Miller. 1,836,612; Dec. 15.
Fur, Artificial. G. Romane. 1,809,356; June 9.
Fur dyeing machine. E. Pierini. 1,809,909; June 16.
Fur or pelt cutting machine. I. Friedman. 1,818,058; Aug. 11.
Fur-piece hanger. H. S. Frank. 1,795,086; Mar. 3.
Fur-scarf hanger. J. M. Holstein. 1,791,027; Feb. 3.
Fur stretching and nailing machine. S. Friedman. 1,798,664; Mar. 31.
Fur substitute for skiing, etc. K. F. R. von Diersburg. 1,790,394; Jan. 27.
Fur treating composition and making same. J. E. Awad. 1,817,120; Aug. 4.
Fur treating device. B. Furgang. 1,811,750; June 23.
Furs, hairs and feathers, Dyeing. K. Marx and E. Lehmann. 1,795,133; Mar. 3.
Furs, Treating. C. C. Truax. 1,824,105; Sept. 22.
Furfural, Production of. G. A. Richter. 1,838,109; Dec. 29.
Furfural to tetrahydrofurfuryl alcohol, Reduction of. G. D. Graves. 1,794,453; Mar. 3.
Furnace: *See*—

Air-cooled furnace.
Air-heating furnace.
Annealing furnace.
Blast furnace.
Boiler furnace
Brass-melting furnace.
Carbonizing and annealing furnace.
Ceramic furnace.
Chip drying furnace.
Closed tiltable furnace.
Continuous heating furnace.
Conveying furnace.
Counterflow furnace.
Dental furnace.
Drying and roasting furnace.
Electric-arc furnace.
Electric furnace.
Electric inductance furnace.
Electric induction furnace.
Electric resistance furnace.
Electrical furnace.
Fuel economizing furnace.
Gas furnace.
Glass furnace.
Glass melting furnace.
Glass-tank furnace.
Heat-treating furnace.
Heating furnace.
Heating and ventilating furnace.
Hot air furnace.
Indicating furnace.
Induction furnace.
Inductor type furnace.
Locomotive furnace.
Melting furnace.
Metal-recovery furnace.
Metal-sheet furnace.
Metallurgical furnace.
Muffle furnace.
Normalizing furnace.
Oil and gas furnace.
Oil smelting furnace.
Open-hearth furnace.
Ore roasting furnace.
Pair furnace.
Portable furnace.
Pulverized fuel furnace.
Reducing furnace.
Regenerative furnace.
Resistance furnace.
Retort furnace.
Reverberatory furnace.
Roasting furnace.
Rotary furnace.
Rotary hearth furnace.
Rotary valve furnace.
Rotatable furnace.
Salt bath furnace.
Siemens-Martin furnace
Smelting furnace.
Stoker furnace.
Tempering furnace.
Tube still furnace.
Tube welding furnace.
Tubular furnace.
Wood burning furnace.

Furnace. J. F. Baker. 1,795,921; Mar. 10.
Furnace. J. E. Black. 1,802,750; Apr. 28.
Furnace. F. W. Brooke. 1,802,000; Apr. 21.
Furnace. F. W. Brooke. 1,802,001; Apr. 21.
Furnace. F. W. Brooke. 1,807,147; May 26.
Furnace. W. K. Brownlee and M. J. Owens 1,809,105; June 9.
Furnace. V. Z. Caracristi. 1,810,343; June 16.
Furnace. J. W. Christie. 1,833,047; Nov. 24.
Furnace. R. S. Cochran. 1,793,209; Feb. 17.
Furnace. C. H. Davy. 1,796,284; Mar. 17.
Furnace. E. G. de Coriolis. 1,824,747; Sept. 22.
Furnace. F. A. Fahrenwald. 1,791,404; Feb. 3.
Furnace. F. A. Fahrenwald. 1,827,079; Oct. 13.
Furnace. L. de Florez. 1,804,155; May 5.
Furnace. W. A. Gilchrist. 1,813,156; July 7.
Furnace. W. K. Gregg. 1,836,795; Dec. 15.
Furnace. W. Grothe. 1,825,059; Sept. 29.
Furnace. W. G. Herschell. 1,819,555; Aug. 18.
Furnace. F. D. Howe. 1,804,988; May 12.
Furnace. C. L. Ipsen and J. L. McFarland. 1,789,177; Jan. 13.
Furnace. C. L. Ipsen and J. L. McFarland. 1,830,548; Nov. 3.
Furnace. W. Isaacs, and E. E. McVey. 1,831,354; Nov. 10.
Furnace. D. S. Jacobus and H. J. Kerr. 1,814,555; July 14.
Furnace. H. C. Jorgensen. 1,814,391; July 14.
Furnace. E. B. Kay. 1,817,459; Aug. 4.
Furnace. F. C. Kelley. 1,799,102; Mar. 31.
Furnace. N. E. Lewis. 1,794,781; Mar. 3.
Furnace. A. Lysholm and J. Strindlund. 1,829,996; Nov. 3.
Furnace. K. A. Mayr. 1,827,946; Oct. 20.
Furnace. J. L. McFarland. 1,789,187; Jan. 13.
Furnace. T. E. Murray and J. H. Lawrence. 1,823,117; Sept. 15.
Furnace. G. and D. M. Naismith. Re18,308; Dec. 29.
Furnace. G. and D. M. Naismith. 1,805,001; May 12.
Furnace. H. W. Neal. 1,811,182; June 23.
Furnace. A. F. Nelson. 1,827,370; Oct. 13.
Furnace. C. L. Norton, jr. 1,820,028; Aug. 25.

Furnace. J. F. O'Connor. 1,805,634; May 19.
Furnace. C. B. Page. 1,806,114; May 19.
Furnace. L. V. Reese. 1,795,347; Mar. 10.
Furnace. M. M. Requa. 1,806,916; May 26.
Furnace. J. F. Schrumn. 1,818,759; Aug. 11.
Furnace. B. R. Shover. 1,811,522; June 23.
Furnace. L. Skelding. 1,833,440; Nov. 24.
Furnace. D. L. Summey. 1,825,831; Oct. 6.
Furnace. J. Spousta. 1,805,786; May 19.
Furnace. N. R. Stansel. 1,829,684; Oct. 27.
Furnace. C. Stein. 1,835,677; Dec. 8.
Furnace. W. C. and H. O. Steinhorst. 1,834,983; Dec. 8.
Furnace. M. Unger. 1,800,034; Apr. 7.
Furnace. A. J. M. A. van der Does de Bije. 1,811,339; June 23.
Furnace. F. J. Werner. 1,807,112; May 26.
Furnace and crane structure, Electric arc. A. E. Greene. 1,813,397; July 7.
Furnace and electric-resistance element therefor, Electric. H. J. McCauley. 1,794,310; Feb. 24.
Furnace and generator block, Air and water cooled. G. W. Davey. 1,819,016; Aug. 18.
Furnace and method, Glass making. J. K. B. Raeder. 1,820,248; Aug. 25.
Furnace and operating same. D. S. Jacobus. 1,837,713; Dec. 22.
Furnace and operating the same. C. E. Hawke. 1,828,839; Oct. 27.
Furnace and operating the same. H. J. Kerr. 1,800,689; Apr. 14.
Furnace and operating the same, Air cooled. D. S. Jacobus. 1,819,174; Aug. 18.
Furnace and operating the same, Pulverized fuel. E. Haveaux. 1,829,445; Oct. 27.
Furnace and producing molten glass, Glass melting. E. T. Ferngren. 1,810,911; June 23.
Furnace and the like. R. D. De Wolf. 1,810,203; June 16.
Furnace and voltage control, Electric. A. E. Greene. 1,839,148; Dec. 29.
Furnace appliance. J. M. Duffy. 1,822,517; Sept. 8.
Furnace arch. I. Moe and C. A. Smith. 1,794,705; Mar. 3.
Furnace arch and block. N. T. Puckett. 1,792,446; Feb. 10.
Furnace arch, Water-cooled. I. Moe and C. A. Smith. 1,794,706; Mar. 3.
Furnace block. R. Shellenberger. 1,804,957; May 12.
Furnace bottom. D. Cushing. 1,800,438; Apr. 14.
Furnace burner. F. X. Hamberger. 1,801,426; Apr. 21.
Furnace casings. Reenforcing structure for blast-. P. Stern. 1,792,614; Feb. 17.
Furnace charging apparatus. H. D. Cook and W. L. Scott. 1,815,666; July 21.
Furnace charging apparatus, Glass. J. H. Ritter. 1,810,730; June 16.
Furnace-charging mechanism. J. R. George. 1,799,509; Apr. 7.
Furnace charging equipment, Blast. F. I. Smith. 1,837,685; Dec. 22.
Furnace combustion chamber. A. Spyer. 1,794,802; Mar. 3.
Furnace construction. F. Z. Ahl. 1,810,457; June 16.
Furnace construction. F. B. Allen. 1,795,357; Mar. 10.
Furnace construction. J. E. Anderson. 1,815,891; July 28.
Furnace construction. H. I. and M. C. Ash. 1,830,821; Nov. 10.
Furnace construction. W. F. Detwiler. 1,793,913; Feb. 24.
Furnace construction. L. H. Hosbein. 1,807,408; May 26.
Furnace construction. L. H. Hosbein. 1,820,664; Aug. 25.
Furnace construction. S. H. Lanyon. 1,806,809; May 26.
Furnace construction. L. Mambourg. 1,828,843; Oct. 27.
Furnace construction. F. I. Sheahan. 1,829,159; Oct. 27.
Furnace construction, Ore. C. Knight. 1,835,224; Dec. 8.
Furnace control. T. W. Delaney. 1,807,513; May 26.
Furnace control. E. E. Freeman. 1,813,732; July 7.
Furnace control. R. W. Stem. 1,833,921; Dec. 1.
Furnace-control apparatus. R. E. Newell. 1,794,530; Mar. 3.
Furnace control, Apparatus for blast. J. F. Austin and D. H. McIntosh. 1,809,324; June 9.
Furnace control, Open hearth. J. K. Mawha. 1,812,268; June 30.
Furnace control, Recuperative. G. H. Isley. 1,801,670; Apr. 21.
Furnace control system, Blast. R. P. Brown. 1,816,174; July 28.
Furnace controlling apparatus, Regenerative. W. Sykes. 1,825,372; Sept. 29.
Furnace conveyer. G. F. Beach. 1,792,409; Feb. 10.
Furnace cycle control. H. S. Gano. 1,795,945; Mar. 10.
Furnace damper control. C. Ld. Burroughs. 1,821,204; Sept. 1.
Furnace discharging apparatus. E. F. Ament. 1,827,413; Oct. 13.
Furnace economizer, Auxiliary boiler, and water screen combined. G. A. Collins. 1,790,199; Jan. 27.
Furnace for burning pulverized fuel. W. R. Wood. 1,811,657; June 23.
Furnace forehearth, Glass. A. F. McNish. 1,816,982; Aug. 4.
Furnace for heating drill steels. B. R. Sheets. 1,810,683; June 16.
Furnace for heating pipes, cylinders, and the like. F. C. Williams. 1,838,724; Dec. 29.
Furnace for heating sheets and pairs. C. A. Davis and F. E. Leahy. 1,797,902; Mar. 24.
Furnace for high pressure boilers, Coal dust. S. Löffler. 1,812,966; July 7.
Furnace for making steel. M. J. Trumble. 1,836,139; Dec. 15.
Furnace for mineral wool production, Economizer. E. R. Powell. 1,828,293; Oct. 20.
Furnace for roasting zinc blende. G. Balz. 1,836,002; Dec. 15.
Furnace for sintering, calcining, roasting, and smoldering of substances and working said furnace. E. C. Loesche. 1,832,226; Nov. 17.
Furnace for smoking goods such as fish, meat, sausage, and the like. K. Winkelmüller. 1,813,008; July 7.
Furnace for the heat treatment of sheets. M. J. Boyd. 1,835,266; Dec. 8.
Furnace for the smelting of metal, Electric. E. F. Russ. 1,793,137; Feb. 17.
Furnace for treating solid materials with gases, Shaft. E. Edwin. 1,829,268; Oct. 27.
Furnace for treatment of metal. E. Bornand and H. A. Schlaepfer. 1,833,065; Nov. 24.
Furnace front. J. H. Hume. 1,795,027; Mar. 3.
Furnace grate bar. H. B. Brydon. 1,823,235; Sept. 15.
Furnace hearth. G. C. McCormick. 1,821,658; Sept. 1.
Furnace heat exchange apparatus. R. S. Riley. 1,820,199; Aug. 25.
Furnace heated by high frequency coils. W. Rohn. 1,811,213; June 23.
Furnace method, Electric. E. F. Northrup. 1,794,863; Mar. 3.
Furnace organization, Open bottom. G. Charlton. 1,824,121; Sept. 22.
Furnace or heat treatment chamber cooling means. E. L. Smalley. 1,811,158–9; June 23.
Furnace or heating apparatus, High frequency induction. V. Englehardt and R. Gross. 1,837,031; Dec. 15.
Furnace regenerator. F. R. McGee. 1,799,856; Apr. 7.
Furnace register. H. S. Covell. 1,815,346; July 21.
Furnace register. C. J. Holub. 1,804,165; May 5.
Furnace register, Adjustable. R. Klomparens. 1,788,721; Jan. 13.
Furnace roofs, Supporting, constructing, and repairing. J. P. McLimans. 1,809,209; June 9.
Furnace, stack. C. H. Wagner. 1,791,255; Feb. 3.
Furnace stoker, Automatic overfeed. E. C. Johnson. 1,790,425; Jan. 27.
Furnace structure. B. Dobie. 1,806,747; May 26.
Furnace structure. B. M. Hess. 1,814,694; July 14.
Furnace structures, Retaining and sealing. R. L. Frink. 1,816,322; July 28.
Furnace tapping device. N. R. Davis. 1,833,739; Nov. 24.
Furnace treatment of metal and metalliferous material, Apparatus for. D. H. Meloche. 1,834,630; Dec. 1.
Furnace tuyère, Blast-. E. H. Holzworth. 1,789,870; Jan. 20.
Furnace wall. J. K. Blum. 1,800,244; Apr. 14.
Furnace wall. D. Csandy. 1,802,138; Apr. 21.
Furnace wall. L. W. Heller. 1,830,655; Nov. 3.
Furnace wall. D. S. Jacobus. 1,823,901; Sept. 22.
Furnace wall. M. Liptak. 1,809,417; June 9.
Furnace wall. J. A. Lodwick. 1,831,675; Nov. 10.
Furnace, wall. O. Nygaard. 1,791,244; Feb. 3.
Furnace wall. O. Nygaard. 1,793,004; Feb. 17.
Furnace wall. O. Nygaard. 1,806,113; May 19.
Furnace wall. O. Nygaard. 1,807,929; June 2.
Furnace wall. H. C. Thayer. 1,811,373; June 23.
Furnace wall blocks against tubes, Device for retaining. E. G. Bailey and R. M. Hardgrove. 1,823,927; Sept. 22.
Furnace-wall construction. J. E. Anderson. 1,787,464; Jan. 6.
Furnace wall construction. F. B. Bigelow. 1,835,001; Dec. 8.
Furnace wall construction. C. E. Hawke. 1,833,677; Nov. 24.
Furnace wall construction. L. H. Hosbein. 1,818,802; Aug. 11.
Furnace-wall construction. E. A. Reese. 1,794,031; Feb. 24.
Furnace wall, Expansion. O. Nygaard. 1,807,868; June 2.
Furnace wall lining or facing. G. P. Crysler. 1,830,384; Nov. 3.
Furnace wall, Sectional. D. S. Jacobus. 1,835,873; Dec. 8.
Furnace wall, Sectional. D. S. Jacobus. 1,835,945; Dec. 8.
Furnace wall, Sectional. D. S. Jacobus and N. E Lewis. 1,789,074; Jan. 13.
Furnace wall, Tube supported. D. S. Jacobus. 1,825,666; Oct. 6.
Furnace water wall or baffle. T. Ladd. 1,836,603; Dec. 15.
Furnace work, Universal shoe or receiving box for. S. P. Burgess. 1,808,450; June 2.
Furnaces, Air feed mechanism for hot air. S. I. Bordo. 1,828,221; Oct. 20.

Furnaces, and smelting ores therein, Operating reverberatory. E. W. Davis. 1,833,321; Nov. 24.
Furnaces and the like, Charging blast. C. M. Rutter. 1,829,300; Oct. 27.
Furnaces, Apparatus for charging aluminum producing. E. Roth. 1,837,070; Dec. 15.
Furnaces, Apparatus for charging blast. A. J. Boynton. 1,815,897; July 28.
Furnaces, Apparatus for heating the blast for blast. W. L. De Baufre and F. W. Davis. 1,836,581; Dec. 15.
Furnaces, Apparatus for liquid and pulverized fuel. J. McDonald. 1,793,111; Feb. 17.
Furnaces, Ash receiver for. F. W. Schantz. 1,793,376; Feb. 17.
Furnaces, Billet conveying apparatus for heating. M. K. Nye. 1,813,195; July 7.
Furnaces, Charging means for electric. G. Pistor. 1,807,090; May 26.
Furnaces, Collapsible port for. J. P. McLimans. 1,802,663; Apr. 28.
Furnaces, Controlling blast. J. F. Austin and D. H. McIntosh. 1,809,326; June 9.
Furnaces, Cooling elements for blast. L. P. Ross. 1,795,446; Mar. 10.
Furnaces, Device for cleaning. L. E. Somers. 1,798,911; Mar. 31.
Furnaces, Disappearing feeder for metallurgical. R. A. Wagstaff. 1,822,944; Sept. 15.
Furnaces, Draft appliance for. A. J. Reed. 1,827,910; Oct. 20.
Furnaces, Drafting. J. Reid. 1,788,888; Jan. 13.
Furnaces, Feed control for. C. Legrand. 1,835,790; Dec. 8.
Furnaces, Front wall for open hearth. H. Rateau and J. A. Beck. 1,819,001; Aug. 18.
Furnaces in the thermal treatment of granular material, Apparatus for operating shaft. O. Hubmann and F. Voerkel. 1,824,483; Sept. 22.
Furnaces, Method of and apparatus for charging electric. A. G. Ripberger. 1,812,118; June 30.
Furnaces, Method of reduction and reducing. S. L. Madorsky. 1,796,871; Mar. 17.
Furnaces, Operating. C. E. Hawke. 1,833,712; Nov. 24.
Furnaces, Operation of blast. E. Baumgartner. 1,819,064; Aug. 18.
Furnaces or ovens and the like, Process of and mixture for increasing the durability of linings of. F. J. Malherbe. 1,797,780; Mar. 24.
Furnaces or stoves, Supporting hot air rings in. G. C. Emrich. 1,811,998; June 30.
Furnaces, Pressure control in. L. C. Koenig. 1,804,782; May 12.
Furnaces, Regulation of combustion of fuel in. B. Greenfield. 1,833,607; Nov. 24.
Furnaces, Shaft for heat treating. J. Sammon. 1,828,510; Oct. 20.
Furnaces, Smoke-reducing device for. M. Lieberman. 1,792,500; Feb. 17.
Furnaces, Top-air-supplying apparatus for. T. Langner. 1,796,206; Mar. 10.
Furnaces, Water-Cooled slide rail for reheating. F. C. Siemens. 1,795,410; Mar. 10.
Furniture. A. Bachrach. 1,837,515; Dec. 22.
Furniture. C. T. Christensen. 1,806,610; May 26.
Furniture. O. J. Meyers. 1,793,709; Feb. 24.
Furniture. L. H. Morin. 1,822,448; Sept. 8.
Furniture. C. P. Schwarz. 1,800,847; Apr. 14.
Furniture. M. Thum. 1,790,884; Feb. 3.
Furniture. M. Thum. 1,815,877; July 21.
Furniture and the like, Ensemble unit for. S. S. Mittleburg. 1,829,366; Oct. 27.
Furniture and the like, Metal. O. J. Larson and J. R. Jones. 1,811,471; June 23.
Furniture, Article of. J. H. Clements, jr. 1,817,878; Aug. 4.
Furniture, Article of. F. A. Dillingham. 1,795,202; Mar. 3.
Furniture, Article of. N. Soltesz. Re18,207; Sept. 22.
Furniture, Attachment for. E. Farrell. 1,800,613; Apr. 14.
Furniture, Bed convertible seating. S. Taffel. 1,820,167; Aug. 25.
Furniture by typographical machines and similar machines, Casting type. E. W. Johnson. 1,799,515; Apr. 7.
Furniture, Combination shoe and glide for. B. C. Rice. 1,804,437; May 12.
Furniture construction. E. Ohnstrand and B. G. Rand. 1,795,138; Mar. 3.
Furniture construction, Insulated. E. Ohnstrand. 1,826,670; Oct. 6.
Furniture, Convertible. A. B. Beck. 1,820,904; Sept. 1.
Furniture, Convertible. J. R. Thomas. 1,821,126; Sept. 1.
Furniture corner construction. J. A. Butkus. 1,826,419–21; Oct. 6.
Furniture, Foldable. N. N. Brown. 1,787,566; Jan. 6.
Furniture, Folding. B. L. Laursen. 1,805,736–7; May 19.
Furniture, Folding. B. L. Laursen. 1,838,846; Dec. 29.
Furniture, Folding. F. and A. Mastrangelo. 1,834,792; Dec. 1.
Furniture, Folding. H. R. Noyes. 1,827,952; Oct. 20.
Furniture, Folding. M. Schmalzgruber. 1,837,492; Dec. 22.
Furniture framing and making the same. L. Larsen. 1,810,970; June 23.
Furniture, Interlocking stretcher joint in. H. J. Murdock. 1,813,072; July 7.
Furniture-leg-attaching device. O. H. Brubaker. 1,800,132; Apr. 7.
Furniture leg shoe. R. E. Miller. 1,805,252; May 12.
Furniture, Metal. L. H. Morin. 1,812,360; June 30.
Furniture, Metal. L. H. Morin. 1,819,616; Aug. 18.
Furniture, Metal. A. Véricel. 1,792,132; Feb. 10.
Furniture, Method and apparatus for upholstering. I. C. Decker. 1,793,912; Feb. 24.
Furniture piece. W. W. Wujcik. 1,788,039; Jan. 6.
Furniture post end fitting. F. Kusterle. 1,806,945; May 26.
Furniture, Printer's. A. G. Stevenson. 1,835,353; Dec. 8.
Furniture rest or shoe. W. F. Herold. 1,804,390; May 12.
Furniture rest or shoe. W. F. Herold. 1,836,534; Dec. 15.
Furniture seat. L. D. Lichty. 1,836,673; Dec. 15.
Furniture, Shoe. F. A. Parsons. 1,824,923; Sept. 29.
Furniture structure, Knock-down. U. C. Thies. 1,824,243; Sept. 22.
Furniture top. R. H. Soper. 1,815,167; July 21.
Furniture-top construction. J. R. Clark. 1,797,496; Mar. 24.
Furniture top construction. D. E. Hunter. 1,817,453; Aug. 4.
Furniture top construction. D. E. Hunter. 1,822,032; Sept. 8.
Furniture tops, Edge construction for. J. A. Fitch. 1,836,911; Dec 15.
Fur pointing machine and method. L. Brownstein. 1,837,157; Dec. 15.
Furring clip. E. R. Boyle. 1,806,837; May 26.
Furring construction. E. W. Menninger. 1,816,387; July 28.
Furring construction. E. W. Menninger. 1,832,231; Nov. 17.
Furring device. D. Powell. 1,796,620; Mar. 17.
Furring strip bracket. J. P. Paulissen. 1,803,141; Apr. 28.
Furrow detacher, Power-actuated. H. H. Glasier. 1,797,501; Mar. 24.
Furrow opener. G. Rémillard. 1,799,642; Apr. 7.
Fuse. M. H. Bennett. 1,828,277; Oct. 20.
Fuse. J. G. Clemens. 1,817,291; Aug. 4.
Fuse. T. F. Cote. 1,807,967; June 2.
Fuse. J. H. Hickey. 1,831,002; Nov. 10.
Fuse. P. M. Kelley and J. L. Clayton. 1,825,527; Sept. 29.
Fuse. W. D. Kyle. 1,798,888; Mar. 31.
Fuse. J. G. Riesman. 1,798,169; Mar. 31.
Fuse. G. E. Rogers and J. M. King. 1,814,059; July 14.
Fuse. A. G. Steinmayer. 1,792,613. Feb. 17.
Fuse. M. L. Warner. 1,794,045; Feb. 24.
Fuse. C. L. Wilson. 1,810,805; June 16.
Fuse, adapter, and receptacle, Plug. F. N. Conant. 1,838,808; Dec. 29.
Fuse, Aeroplane bomb. E. W. O. Utter. 1,837,800; Dec. 22.
Fuse and assembling same, Electric. J. A. Bussmann. 1,831,438; Nov. 10.
Fuse and cut-out. C. W. Cowles. 1,793,305; Feb. 17.
Fuse and switch box. C. Driest. 1,829,214; Oct. 27.
Fuse and switch box. A. B. Rypinski. 1,811,650; June 23.
Fuse block. H. J. L. Frank. 1,833,158; Nov. 24.
Fuse block J. Messing. 1,817,521; Aug. 4.
Fuse block. C. R. Straubing and F. E. Dietrich. 1,832,796; Nov. 17.
Fuse block attachment. J. Sachs. 1,805,725; May 19.
Fuse block terminal structure. H. Redshaw. 1,821,987; Sept. 8.
Fuse box. W. D. Kyle. Re18,020; Mar. 31.
Fuse box. J. Sandin. 1,819,204; Aug. 18.
Fuse box. A. G. Steinmayer. 1,802,450; Apr. 28.
Fuse clamp. O. H. Jung. 1,838,406; Dec. 29.
Fuse cut-out, Portable cable. H. P. Hastings. 1,818,251; Aug. 11.
Fuse cutter. E. L. Bilheimer. 1,798,865; Mar. 31.
Fuse device. N. J. Conrad. 1,834,578; Dec. 1.
Fuse device. A. J. Esser. 1,832,194; Nov. 17.
Fuse device, Safety. J. Stone. 1,824,415; Sept. 22.
Fuse, Electric. W. G. Hartwig. 1,810,653; June 16.
Fuse, Electric. J. H. Hickey. 1,819,293; Aug. 18.
Fuse, Electric. H. P. Hinds. 1,828,659; Oct. 20.
Fuse, Electric blasting. J. Schürmann 1,836,291; Dec. 15.
Fuse element, Renewable. J. B. Glowacki. Re18,128; July 14.
Fuse element, Renewable. J. B. Glowacki. 1,788,623; Jan. 13.
Fuse, Expulsion. W. D. Kyle. 1,809,205; June 9.
Fuse, Expulsion. J. S. Nichols. 1,833,849; Nov. 24.
Fuse, Expulsion. A. G. Steinmayer, 1,815,958; July 28.
Fuse for bombs and other projectiles, Percussion. L. Savani. 1,826,190; Oct. 6.
Fuse for bombs and the like. L. Perego. 1,832,579; Nov. 17.
Fuse for drop bombs, Mechanical delay. H. M. Brayton. 1,830,924; Nov. 10.
Fuse for projectiles. S. D. Deevy. 1,792,631; Feb. 17.
Fuse for projectiles. H. H. Zornig. 1,813,106; July 7.

Fuse for projectiles, Supersensitive. A. F. Teitscheid. 1,793,567; Feb. 24.
Fuse for shells, etc., Electric percussion. H. Ruhlemann. 1,794,421; Mar. 3.
Fuse heads for electrical firing, Manufacture of. W. O. Littlebury. 1,798,332; Mar. 31.
Fuse, High voltage. R. Reichmann and K. Zimmermann. 1,819,198; Aug. 18.
Fuse indicator. F. C. La Mar. 1,793,103; Feb. 17.
Fuse link. L. P. Boll. 1,797,850; Mar. 24.
Fuse mechanism. M. J. Sandin. Re18,073; May 19.
Fuse, Multiple electrical. W. J. Manning. 1,833,652; Nov. 24.
Fuse, Oil immersed. F. Natalis. 1,829,604; Oct. 27.
Fuse, Point detonating. F. B. Hale. 1,806,877; May 26.
Fuse, Refillable. J. H. Hickey. 1,794,710; Mar. 3.
Fuse, Refillable electric. J. H. Hickey. 1,796,710; Mar. 17.
Fuse, Refillable electric. J. H. Hickey. 1,807,406; May 26.
Fuse, Renewable. P. J. Hopkins. 1,793,318; Feb. 17.
Fuse, Renewable. F. C. La Mar. 1,788,769–70; Jan. 13.
Fuse, Renewable. E. A. Lawrence. 1,788,877; Jan. 13.
Fuse, Renewable electric. F. C. La Mar. 1,788,768; Jan. 13.
Fuse, Renewable electric. F. C. La Mar. 1,790,713; Feb. 3.
Fuse, Resistor. J. K. Stafford. 1,818,822; Aug. 11.
Fuse, Safety. H. E. Ellsworth. 1,825,224; Sept. 29.
Fuse setting apparatus, Automatic. E. H. and A. H. Boicourt. 1,806,593; May 26.
Fuse setting machine. H. Schuler and A. Gietmann. 1,803,775; May 5.
Fuse, Supersensitive head impact. A. Varaud. 1,831,520; Nov. 10.
Fuse, Thermoresponsive. N. S. Nelson. 1,825,811; Oct. 6.
Fuse to protect current meters. H. G. Anderson. 1,830,216; Nov. 3.
Fuses, Manufacture of detonating. E. C. A. Harlé. 1,802,508; Apr. 28.
Fuses, Manufacturing safety. J. Fritzsche. 1,799,012; Mar. 31.
Fuses, Relay for high-tension. P. C. McKendrick. Re18,031; Apr. 7.
Fuses, Settling electric projectile. H. Rühlemann. 1,791,606; Feb. 10.
Fuselage for airplanes. W. B. Stout. Des. 85,213; Sept. 22.
Fuselage jig, Aeroplane. J. D. Bunch. 1,822,270; Sept. 8.
Fusible element for electric fixture sockets. J. Ciotta. 1,810,071; June 16.
Fusion welded joint. S. W. Miller. 1,835,236; Dec. 8.
Gaff hook. A. C. Gough. 1,818,474; Aug. 11.
Gain fixture for poles. R. G. Williams. 1,802,995; Apr. 28.
Gain making device. L. D. Lewis. 1,804,835; May 12.
Gain measuring apparatus. F. A. Cowan. 1,821,005; Sept. 1.
Gaining and boring machine, Combined. D. McNeil. 1,802,824; Apr. 28.
Gaiter or similar waterproof rubber footwear. L. M. Bitgood. Des. 83,593–4; Mar. 10.
Gaiter or similar waterproof rubber footwear. L. M. Bitgood. Des. 85,318–19; Oct. 13.
Gaiter or similar waterproof rubber footwear. W. F. Cairns. Des. 83,597; Mar. 10.
Gaiter or similar waterproof rubber footwear. H. J. Gusken. Des. 83,396; Feb. 17.
Gaiter or similar waterproof rubber footwear. H. P. Manville. Des. 83,628–30; Mar. 10.
Gaiter or similar waterproof rubber footwear. H. E. Rosell. Des. 83,646; Mar. 10.
Gallows frame. R. F. Symonds. 1,795,978; Mar. 10.
Galvanic cell. G. W. Heise. 1,835,868; Dec. 8.
Galvanizing. E. L. Chappell, and P. C. Ely. 1,837,112; Dec. 15.
Galvanizing. J. L. Schueler. 1,816,617; July 28.
Galvanometer or article of similar nature. P. E. Klopsteg. Des. 85,756; Dec. 15.
Gambrel. J. A. Aubol. 1,813,600; July 7.
Game. A. E. Bergquist. 1,812,677; June 30.
Game. G. L. Bonham. 1,812,253; June 30.
Game. D. F. Bradford and G. E. Hampton. 1,799,843; Apr. 7.
Game. F. R. Chester. 1,812,930; July 7.
Game. F. R. Chester. 1,825,777–8; Oct. 6.
Game. J. Donlin. 1,804,860; May 12.
Game. H. M. Grimes. Re17,919; Jan. 6.
Game. G. E. Harrington, jr. 1,787,521; Jan. 6.
Game. T. S. Hutchison. 1,826,215; Oct. 6.
Game. M. L. Orr. 1,811,960; June 30.
Game. D. Peccerillo. 1,834,317; Dec. 1.
Game. N. C. Seymour. 1,814,971; July 14.
Game. J. H. Shears. 1,807,074; May 26.
Game. I. Shulman. 1,793,256; Feb. 17.
Game. H. W. Smith. 1,818,012; Aug. 11.
Game. F. H. Ward. 1,797,742; Mar. 24.
Game. J. D. Zieley and H. E. Roys. 1,809,098; June 9.
Game and food carrier, Preserving. L. Hall. 1,827,517; Oct. 13.
Game and toy, Flyback. W. P. Shepherd. 1,819,342; Aug. 18.
Game apparatus. J. Ackerman. 1,822,686; Sept. 8.
Game apparatus. P. Clausen. 1,813,116; July 7.
Game apparatus. M. A. Earley and M. Roberts. 1,799,009; Mar. 31.
Game apparatus. F. H. Ellison. Re17,961; Feb. 10.
Game apparatus. A. E. Gebert. 1,801,308; Apr. 21.
Game apparatus. E. P. Holmberg. 1,820,617; Aug. 25.
Game apparatus. D. D. Levitt. 1,822,946; Sept. 15.
Game apparatus. L. L. Mallard. 1,803,265; Apr. 28.
Game apparatus. G. H. Miner. 1,802,521; Apr. 28.
Game apparatus. A. Nadeau and J. P. Pepin. 1,796,937; Mar. 17.
Game apparatus. C. Papouchis. 1,823,507; Sept. 15.
Game apparatus. G. E. Renn. 1,803,134; Apr. 28.
Game apparatus. L. B. Spafford. 1,828,091; Oct. 20.
Game apparatus. W. Turrall. 1,801,701; Apr. 21.
Game apparatus. H. L. Walden. 1,819,932; Aug. 18.
Game apparatus. A. Weinberg. 1,820,515; Aug. 25.
Game apparatus, Baseball. W. W. Degler. 1,788,708; Jan. 13.
Game apparatus, Educational. H. Barnowitz. 1,816,760; July 28.
Game apparatus, Golf. R. L. Swain and W. A. Moore. 1,799,263; Apr. 7.
Game, Baseball. J. MacCollom. 1,799,241; Apr. 7.
Game, Baseball. J. B. Sechler. 1,795,801; Mar. 10.
Game board. D. L. Anderson. Des. 83,891; Apr. 14.
Game board. S. Behr. Des. 85,855; Dec. 29.
Game board. J. Borzellino. Des. 83,425; Feb. 24.
Game board. N. C. Brewer. 1,834,572; Dec. 1.
Game board. R. L. Clark. 1,827,383; Oct. 13.
Game board. J. De Leon. Des. 85,735; Dec. 15.
Game board. A. L. and W. J. Evans. Des. 83,036; Jan. 13.
Game board. H. E. Gibbs and O. J. Vogelgesang. Des. 83,195; Feb. 3.
Game board. M. M. Hirtenstein. Des. 84,477; June 23.
Game board. J. F. Johnson. Des. 84,038; Apr. 28.
Game board. A. Kimmins. Des. 83,110; Jan. 20.
Game board. A. S. T. Lagaard. Des. 83,050; Jan. 13.
Game board. A. N. Latimer. 1,825,673; Oct. 6.
Game board. H. Martin. Des. 84,151; May 12.
Game board. O. E. Neitzel. Des. 85,196; Sept. 22.
Game board. N. M. Ramos. Des. 83,570; Mar. 3.
Game board. B. Sternau. Des. 85,066; Sept. 8.
Game board. W. M. Wolf. Des. 83,140; Jan. 20.
Game board. J. B. Yeoman. Des. 84,773; July 28.
Game board, Baseball. B. R. Coibion. Des. 84,465; June 23.
Game board or article of analogous nature. J. K. Ducey. Des. 85,328; Oct. 13.
Game, Card. H. C. Bridges. 1,791,708; Feb. 10.
Game, Card. E. G. Hines. 1,798,672; Mar. 31.
Game, Coin controlled basket ball. A. H. Emenhiser. 1,827,885; Oct. 20.
Game device. M. L. Deck. Des. 85,170; Sept. 22.
Game device. A. L. Larsen. 1,824,553; Sept. 22.
Game device. I. Wagner. 1,801,944; Apr. 21.
Game device, Rotary. F. P. Read. Des. 85,765; Dec. 15.
Game, Fight. F. R. Chester. 1,812,931; July 7.
Game, Football. F. R. Chester. 1,812,932; July 7.
Game for teaching arithmetic, Educational. K. Quer. 1,836,870; Dec. 15.
Game, Golf. E. H. Clear. 1,823,487; Sept. 15.
Game indicator. J. C. F. Horstmann. 1,792,166; Feb. 10.
Game indicator. R. F. Morenus. 1,833,223; Nov. 24.
Game indicator. H. T. Powell. 1,820,828; Aug. 25.
Game, Military. C. B. Reed. 1,798,701; Mar. 31.
Game of skill. L. Maas. 1,806,071; May 19.
Game of skill. H. J. Peo. 1,788,323; Jan. 6.
Game of skill. R. W. Stewart. 1,831,581; Nov. 10.
Game prompter. N. Eisenberg. 1,810,951; June 23.
Game, Race. E. C. Brewer, jr. 1,822,873; Sept. 15.
Game-scoring apparatus. G. A. M. Agrell. 1,789,890; Jan. 20.
Game-scoring indicator. F. S. Craven. 1,801,225; Apr. 14.
Game, Skill practicing. G. T. L. Staar. 1,788,210; Jan. 6.
Game, Soldier's parade. C. A. Diederichs. 1,802,884; Apr. 28.
Game table. F. E. Pavelka and H. W. Thompson. Des. 83,276; Feb. 10.
Game table. F. E. Pavelka and H. W. Thompson. Des. 83,747; Mar. 24.
Game table. C. A. Toce. Des. 85,499; Nov. 3.
Game table. C. A. Toce. Des. 85,561; Nov. 10.
Game trap. A. E. Kinsley. 1,820,914; Sept. 1.
Game wheel. P. Flaherty. Des. 83,725; Mar. 24.
Game, Whirlpool. C. L. Phillips and I. M. Uppercu. 1,798,900; Mar. 31.
Games, Apparatus for playing. H. F. Coggon. 1,791,071; Feb. 3.
Gap filler. N. A. Neilsen. 1,820,288; Aug. 25.
Garage. J. L. Canaday. 1,815,429; July 21.
Garage. E. Chaudoir. 1,797,335; Mar. 24.
Garage. E. Geiger. 1,788,155; Jan. 6.
Garage. J. Vojacek. 1,834,297; Dec. 1.
Garage elevator. E. Geiger. 1,824,340; Sept. 22.
Garage elevator. H. D. James. 1,819,513–14; Aug. 18.
Garage elevator. W. S. Rugg. 1,813,203; July 7.
Garage, Storage. L. D. Cook. 1,817,237; Aug. 4.
Garage, Storage. J. W. Henderson. 1,804,338; May 5.
Garbage can, Sanitary. J. R. Hight. 1,802,557; Apr. 28.
Garbage reducer. E. W. McCullough 1,812,106; June 30.

Garbage tankage extraction. E. W. McCullough. 1,812,107; June 30.
Garden frame. H. W. Pratt. 1,780,112; Jan. 27.
Garden implement. F. Hurka. 1,806,165; May 19.
Garden shears. W. Schröder 1,831,609; Nov 10.
Garment. R. F. Albert. 1,820,293; Aug. 25.
Garment. J. M. Atkinson. 1,797,115; Mar. 17.
Garment. H. J. Barclay, sr. 1,809,502; June 9.
Garment. D. Blair. 1,817,915; Aug. 11.
Garment. C. C. Cameron. 1,797,714; Mar. 24.
Garment. R. Cohen. 1,837,654; Dec. 22.
Garment. A. B. Day. 1,833,109; Nov. 24.
Garment. G. W. Dillon. 1,808,496; June 2.
Garment. N. Q. Donnelly. 1,806,794; May 26.
Garment. N. Hatch. 1,794,850; Mar. 3.
Garment. M. Hermanski. 1,830,545; Nov. 3.
Garment. R. E. Heyn. 1,806,686; May 26.
Garment. P. K. Karberg. 1,812,791; June 30.
Garment. P. K. Karberg. 1,825,271; Sept. 29.
Garment. M. Luery. 1,821,185; Sept. 1.
Garment H. P. McGinnis. 1,825,197; Sept. 29.
Garment. H. H. Mishel. 1,788,731; Jan. 13.
Garment. F. S. Snyder. 1,821,818; Sept. 1.
Garment. S. F. Stein. 1,788,809; Jan. 13.
Garment. H. S. Thompson. 1,788,642; Jan. 13.
Garment. M. Todes. 1,810,150; June 16.
Garment. N. D. Walter. 1,797,008; Mar. 24.
Garment and carrier bag, Combination. D. Weisz. 1,797,208; Mar. 17.
Garment and cloth pressing apparatus, Combined electric and steam. W. J. Danenhower. 1,813,663; July 7.
Garment and kit, Combination. R. J. Booth. 1,827,456; Oct. 13.
Garment and support. G. Turnbull. 1,792,050; Feb. 10.
Garment and support, Combination. S. H. Camp. 1,790,792; Feb. 3.
Garment, Apparel. E. C. Duff. 1,813,389; July 7.
Garment, Apparel. W. Kops. 1,813,408; July 7.
Garment, Apparel. W. Kops. 1,833,325; Nov. 24.
Garment, Apparel. T. Walser. 1,799,336; Apr. 7.
Garment, Athletic. C. E. Dorais. 1,830,351; Nov. 3.
Garment bag. J. Duvall. 1,822,341; Sept. 8.
Garment bag. D. London. 1,832,715; Nov. 17.
Garment bagger. C. Gygi. 1,792,161; Feb. 10.
Garment bagging device. N. S. McEwen. 1,830,368; Nov. 3.
Garment-bagging machine. W. A. Shields. 1,808,824; June 9.
Garment box. G. Bruer. 1,806,737; May 26.
Garment box. K. G. Langston. 1,825,272; Sept. 29.
Garment, Buttonless combination. H. Levy. 1,789,077; Jan. 13.
Garment, Child's. H. Eichengreen. 1,829,892; Nov. 3.
Garment, Child's. H. Katz. 1,812,791; June 30.
Garment, Child's. E. Roberts. 1,813,956; July 14.
Garment, Child's. A. M. Skinner. 1,792,610; Feb. 17.
Garment clasp. A. Balaban. 1,801,839; Apr. 21.
Garment cleaner. J. A. Fagerlee. 1,795,851; Mar. 10.
Garment, Combination. B. Spiers. 1,814,457; July 14.
Garment, Combination. W. M. Traynor. 1,806,430; May 19.
Garment, Combination foundation. H. W. Frieland. 1,829,217; Oct. 27.
Garment, Foot. S. H. Hedges. 1,798,201; Mar. 31.
Garment, Front-wrap-closure-. J. M. Jensen. Des. 84,082; May 5.
Garment, Hair-cutting. A. Peterson and W. Paris. 1,793,243; Feb. 17.
Garment hanger. C. G. Bauer. 1,791,021; Feb. 3.
Garment hanger. V. E. Borges. 1,830,979; Nov. 10.
Garment hanger. J. V. Bosque. 1,811,297; June 23.
Garment hanger. P. J. Burde. 1,818,193; Aug. 11.
Garment hanger. E. W. Carlewitz. 1,803,003; Apr. 28.
Garment hanger. J. D. Carmack. 1,833,388; Nov. 24.
Garment hanger. J. Dockett, jr. 1,804,919; May 12.
Garment hanger. M. E. Duffie. 1,788,049; Jan. 6.
Garment hanger. J. A. Foley. 1,833,779; Nov. 24.
Garment hanger. M. L. Harding. 1,817,621; Aug. 4.
Garment hanger. M. A. Heimann. 1,824,138; Sept. 22.
Garment hanger. J. G. Henry. 1,794,016; Feb. 24.
Garment hanger. F. R. Herzog. 1,836,968; Dec. 15.
Garment hanger. L. Kanowitz. 1,799,690; Apr. 7.
Garment hanger. O. E. Law. 1,820,706; Aug. 25.
Garment hanger. I. Levin. 1,803,856; May 5.
Garment hanger. A. R. Mikota. 1,828,611; Oct. 20.
Garment hanger. M. J. Murray. 1,794,416; Mar. 3.
Garment hanger. O. A. Olson. 1,792,236; Feb. 10.
Garment hanger. E. C. Perkins. 1,802,777; Apr. 28.
Garment hanger. H. Shapiro. 1,803,512; May 5.
Garment hanger. C. L. Strauss. 1,810,190; June 16.
Garment hanger. S. F. Wilson. Des. 84,612; July 7.
Garment hanger. A. B. Wobbe. 1,820,419; Aug. 25.
Garment hanger. A. A. Wyckoff and B. L. Yauney. Des. 85,311; Oct. 6.
Garment hanger, Adjustable. R. Hadden. 1,817,369; Aug. 4.
Garment hanger, Foldable. E. Müller. 1,809,561; June 9.
Garment hanger, Telescoping and folding. G. F. McGill. 1,787,991; Jan. 6.
Garment, Infant's. E. H. Groves. 1,805,766; May 19.
Garment, Lady's. L. M. Cooper. 1,823,257; Sept. 15.
Garment, Lady's. J. M. Holme. 1,796,152; Mar. 10.
Garment, Lady's. S. Karpf and H. Roman. 1,837,551; Dec. 22.
Garment leg. A. Luft. 1,801,562; Apr. 21.
Garment, Nether. A. Fridolph. 1,817,360; Aug. 4.
Garment, Nether. C. W. Hutchinson. 1,834,780; Dec. 1.
Garment, Nether. J. Stein. 1,808,614; June 2.
Garment or ironing press. E. Davis. Re17,990; Mar. 10.
Garment or ironing press. J. C. Ledbetter. 1,788,530; Jan. 13.
Garment or ironing press. J. C. Ledbetter. 1,815,783; July 21.
Garment or ironing press. M. M. Titterington. 1,789,487; Jan. 20.
Garments or other articles, Device for drying or airing. A. M. G. Keys. 1,788,676; Jan. 13.
Garment press. J. L. Card. 1,814,665; July 14.
Garment press. C. M. Clarke. 1,822,613; Sept. 8.
Garment press. J. C. Ledbetter. 1,802,313; Apr. 21.
Garment press. J. C. Ledbetter. 1,826,619; Oct. 6.
Garment press. S. J. Locke. 1,827,154; Oct. 13.
Garment press. J. H. Taylor. 1,828,951; Oct. 27.
Garment press. M. M. Titterington. 1,792,519; Feb. 17.
Garment press. M. M. Titterington. 1,827,341; Oct. 13.
Garment press. B. J. Yanchenko. 1,826,442; Oct. 6.
Garment pressing machine. E. H. Zacharias. 1,832,521; Nov. 17.
Garment rack. C. R. Davis. 1,790,798; Feb. 3.
Garment renovator. T. Milazo and H. Schaffer. 1,797,011; Mar. 17.
Garment repair means. T. Penn. 1,820,631; Aug. 25.
Garment, Self adjusting. J. Cohen. 1,817,236; Aug. 4.
Garment, Sport. M. C. Head and F. Head. 1,804,930; May 12.
Garment steaming and stretching device. S. Simon. 1,817,590; Aug. 4.
Garment, Summer. H. Bosworth. 1,796,078; Mar. 10.
Garment-supporting device, Pivotal. A. Levine and O. J. Walinsky. 1,799,521; Apr. 7.
Garment suspension means. M. A. Murphy. 1,837,987; Dec. 22.
Garment, Swimming. E. H. Foreman. 1,813,043; July 7.
Garment, Woman's. C. C. Cameron. 1,834,331; Dec. 1.
Garments, Cleaning. W. K. Tavender and J. Buono. 1,802,587; Apr. 28.
Garments, Constructing leg covering. J. Fink. 1,810,517; June 16.
Garments, Covering cleaned. J. C. Seidler. 1,821,672; Sept. 1.
Garments, Drop seat for. W. D. Scalf. 1,819,976; Aug. 18.
Garments, Making. I. M. Pod. 1,830,768; Nov. 10.
Garments, Non-slip device for. J. H. Langrock. 1,817,991; Aug. 11.
Garments or fabrics on circular-knitting machines, Manufacture of knitted. J. A. Mills. 1,794,414; Mar. 3.
Garments, ties, ribbons, or the like, Apparatus for pressing and stretching. A. J. Davidson. 1,802,075; Apr. 21.
Garter. G. Abraham. 1,815,456; July 21.
Garter. T. Andrew. 1,803,786; May 5.
Garter. J. H. Brousseau. 1,824,008; Sept. 22.
Garter. T. Cahn. Des. 84,275; June 2.
Garter. T. Cahn. 1,815,702; July 21.
Garter. M. Feldman. 1,814,438; July 14.
Garter. G. B. Glidden. 1,818,472; Aug. 11.
Garter. J. Mieres. 1,807,224; May 26.
Garter. D. Paladino. Des. 85,390; Oct. 20.
Garter. F. W. H. Segelcke. 1,821,192; Sept. 1.
Garter. B. Wolf. 1,800,582; Apr. 14.
Garter. B. Wolf. 1,804,044; May 5.
Garter construction. W. Hamacher. 1,828,041; Oct. 20.
Garter construction and the like. J. H. Mackall. 1,815,267; July 21.
Garter extensions for hosiery, Knitting. P. R. Nestler. 1,806,492; May 19.
Garter, Man's. J. Jacobs. 1,792,466; Feb. 10.
Garter, Man's. H. C. Rood. 1,796,049; Mar. 10.
Gas absorption in liquids and for preventing rusting of submerged iron, Preventing. B. W. Mueller. 1,814,053; July 14.
Gas analysis apparatus. T. R. Harrison. 1,818,619; Aug. 11.
Gas analysis apparatus. W. O. Hebler. 1,802,713; Apr. 28.
Gas analyzing apparatus, Electrical. T. R. Harrison. 1,829,649; Oct. 27.
Gas and carbonized coal, Producing fuel. W. G. Laird. 1,828,148; Oct. 20.
Gas and coal gas, Producing mixed water. A. H. Lymn. 1,808,672; June 2.
Gas and liquid contact apparatus and method. S. G. Styrud. 1,798,563; Mar. 31.
Gas and liquid separator. H. W. How. 1,797,232; Mar. 24.
Gas and low boiling fractions from petroleum products, Removal of. W. G. Whitman and C. C. Miller. 1,819,760; Aug. 18.
Gas and method of and apparatus for producing the same, Germicidal. J. N. Alsop. 1,810,589; June 16.
Gas and oil burner. W. Ferguson. 1,797,570; Mar. 24.
Gas and steam generator, Combined. C. Marischka. 1,792,178; Feb. 10.
Gas and vapor treating apparatus. J. L. Dormon. 1,828,734; Oct. 27.
Gas apparatus, Carbureted water. H. D. Ga Nung. 1,816,478; July 28.
Gas, Apparatus for burning. C. J. Schifferle. 1,794,868; Mar. 3.

Gas, Apparatus for cleaning. J. P. Fisher and G. F. Downs. 1,824,713; Sept. 22.
Gas, Apparatus for cleaning. T. M. Foulk. 1,807,521; May 26.
Gas, Apparatus for generating water. L. B. Moorhouse. 1,831,788; Nov. 10.
Gas, Apparatus for manufacture of combustible. H. O. Loebell. 1,790,823; Feb. 3.
Gas, Apparatus for manufacturing combustible. H. O. Loebell. 1,826,007; Oct. 6.
Gas, Apparatus for the manufacture of. E. W. Smith and T. C. Finlayson. 1,839,167; Dec. 29.
Gas, Apparatus for the manufacture of mixed. M. W. Traverse. 1,834,810; Dec. 1.
Gas, Apparatus for treating. J. Becker. 1,836,004; Dec. 15.
Gas appliance. A. J. Milligan. 1,805,835; May 19.
Gas boiler. T. King and D. G. Burkert. 1,808,557; June 2.
Gas burner. J. P. Auter. 1,815,176; July 21.
Gas burner. J. M. Axtell. 1,796,915; Mar. 17.
Gas burner. V. O. Beam. 1,818,783; Aug. 11.
Gas burner. F. J. C. Bluhm. 1,827,505; Oct. 13.
Gas burner. H. W. Christie. 1,819,944; Aug. 18.
Gas burner. T. H. Cremer and J. D. Carlin. 1,802,137; Apr. 21.
Gas burner. B. F. Crow. 1,817,066; Aug. 4.
Gas burner. L. F. Doen. 1,830,159; Nov. 3.
Gas burner. R. H. Firth. 1,820,016; Aug. 25.
Gas burner. F. D. Ford. 1,830,356; Nov. 3.
Gas burner. F. A. Gercich and W. M. Berry. 1,836,370; Dec. 15.
Gas burner. B. A. and L. H. Geurink. 1,830,393; Nov. 3.
Gas burner. J. Gonzalez. 1,821,797; Sept. 1.
Gas burner. G. A. Guenther. 1,830,464; Nov. 3.
Gas burner. W. M. Hepburn. 1,788,716; Jan. 13.
Gas burner. P. C. Hughes. 1,818,222; Aug. 11.
Gas burner. B. G. Jennings. 1,833,577; Nov. 24.
Gas burner. G. B. Killam. 1,791,565; Feb. 10.
Gas burner. J. H. Kinkaid and S. H. Weston. 1,810,713; June 16.
Gas burner. H. W. Livingston. 1,806,858; May 26.
Gas burner. V. Mauck. 1,823,111; Sept. 15.
Gas burner. C. E. Methudy. 1,823,460; Sept. 15.
Gas burner. M. Reagan. 1,820,493; Aug. 25.
Gas burner. A. J. Reedy. 1,791,247; Feb. 3.
Gas burner. M. J. Roberts. 1,810,373; June 16.
Gas burner. C. J. Schifferle. 1,794,869; Mar. 3.
Gas burner. W. Schwan. 1,807,092; May 26.
Gas burner. G. E. Seil. 1,814,097; July 14.
Gas burner. C. H. Slauter. 1,801,459; Apr. 21.
Gas burner. C. A. Wendt. 1,809,658; June 9.
Gas burner. J. S. Zink. 1,826,588; Oct. 6.
Gas burner and mixing apparatus, Combined. H. B. Barber and W. M. Hepburn. 1,826,163; Oct. 6.
Gas burner structure. G. H. Irwin. 1,814,164; July 14.
Gas, Burning. H. C. Caldwell. 1,789,542; Jan. 20.
Gas burning device. G. C. Carnaham. 1,814,076; July 14.
Gas-cell construction. A. D. Cummings. 1,797,189; Mar. 17.
Gas cleaner. J. P. Dovel. 1,797,906; Mar. 24.
Gas cleaner. F. R. McGee. 1,818,905; Aug. 11.
Gas-cleaning. T. Thomson and N. Nisbet. 1,835,445; Dec. 8.
Gas cleaning apparatus. A. J. Boynton. 1,824,463; Sept. 22.
Gas-cock-control device. F. A. Gercich and W. M. Berry. 1,792,488; Feb. 17.
Gas cock, Safety. W. J. McSpedon, jr. 1,787,488; Jan. 6.
Gas combination apparatus. J. F. Meader. 1,815,322; July 21.
Gas compressing apparatus, Multiple effect. G. T. Voorhees. 1,821,248; Sept. 1.
Gas conditioning apparatus. A. L. Romanoff. 1,813,959; July 14.
Gas control and oil saver, Automatic. C. A. Rasmussen. 1,836,508; Dec. 15.
Gas-conversion process, Natural-. M. P. Youker. 1,800,586; Apr. 14.
Gas converter, Liquid. F. E. Mackey. 1,835,887; Dec. 8.
Gas, Dehydrating. F. W. Sperr, jr. 1,791,086; Feb. 3.
Gas detection apparatus. A. Bayer. 1,821,871; Sept. 1.
Gas detectors, Head for. A. M. Erickson. 1,798,977; Mar. 31.
Gas discharge device. F. H. Weller. 1,823,304; Sept. 15.
Gas discharge tube. J. M. Schmierer. 1,807,177; May 26.
Gas, Discharging apparatus for compressed. R. M. L. Lemoine, née Trouillet. 1,794,185; Feb. 24.
Gas discharging device. A. S. Ailes. 1,811,572; June 23.
Gas distribution apparatus. W. W. Hackney. 1,820,662; Aug. 25.
Gas distribution apparatus. J. F. Sullivan. 1,804,896; May 12.
Gas distribution of eight cylinder motors of the straight type. J. A. H. Barkeij. 1,809,923; June 16.
Gas drier. F. Wille. 1,806,989; May 26.
Gas engine. C. W. Kempton. 1,828,228; Oct. 20.
Gas engine. H. C. Lehn. 1,796,716; Mar. 17.
Gas engine. R. S. Moore. 1,820,475; Aug. 25.
Gas engine. H. D. Murray. 1,791,969; Feb. 10.
Gas engine. W. D. Schaefer. 1,812,833; June 30.
Gas engine, Oscillating. R. Helmlinger. 1,802,650; Apr. 28.
Gas engine, Two cycle. W. E. Ewart. 1,817,610; Aug. 4.
Gas engines, Safety device for. W. E. Albertson. 1,820,779; Sept. 1.
Gas, Enriching. E. A. Dieterle. 1,804,402; May 12.
Gas, Enriching a lean combustible. H. A. Brassert and C. W. Andrews. 1,795,829; Mar. 10.
Gas exchange apparatus. O. H. Eschholz. 1,811,462; June 23.
Gas expelled from foundry molds, Igniting. F. E. McCabe. 1,822,229; Sept. 8.
Gas fired heater. E. Lapp, E. A. Krah, jr., and A. Wolpert. 1,836,606; Dec. 15.
Gas for blowpipe work, Apparatus for supplying. G. H. Weber. 1,834,753; Dec. 1.
Gas from fluid fuels, Manufacture of. O. O. Thwing. 1,796,733; Mar. 17.
Gas from gasoline, Apparatus for the production of. J. T. Jones. 1,791,213; Feb. 3.
Gas from liquefied gas, Method and device for producing compressed. C. W. P. Heylandt. 1,812,954; July 7.
Gas from liquid fuel, Making combustible. O. O. Thwing. 1,830,574; Nov. 3.
Gas from oil, Apparatus for the manufacture of. L. B. Jones. 1,828,704; Oct. 20.
Gas from oil wells, Method and apparatus for recovering pressure. L. N. Yates. 1,798,774; Mar. 31.
Gas furnace. F. E. Grunwaldt. 1,817,368; Aug. 4.
Gas furnace. G. A. Tuck. 1,807,051; May 26.
Gas generating apparatus. J. H. Cordes. 1,819,230; Aug. 18.
Gas generating apparatus. H. F. Smith. 1,823,382; Sept. 15.
Gas generating apparatus. F. W. Steere. 1,813,970; July 14.
Gas generating apparatus. J. B. Weaver. 1,820,336; Aug. 25.
Gas generating combustion engine. J. E. Johansson. 1,825,525; Sept. 29.
Gas, Generating producer. J. Chavanne. 1,799,885; Apr. 7.
Gas generation. E. S. Suffern. 1,836,627; Dec. 15.
Gas generator. C. S. Chrisman. 1,824,764; Sept. 29.
Gas generator. J. Fox. 1,790,139; Jan. 27.
Gas generator. J. F. Gibson and W. H. Strathearn. 1,837,427; Dec. 22.
Gas generator. H. J. and M. W. Johnson and S. P. Wallace. 1,831,866; Nov. 17.
Gas generator. W. Minrath. 1,810,672; June 16.
Gas generator. O. Nygaard and B. H. Snow. 1,790,110; Jan. 27.
Gas generator. J. J. Reid. 1,806,823; May 26.
Gas generator, Acetylene-. D. H. Danley. 1,791,194; Feb. 3.
Gas generator, Acetylene. M. Panchick. 1,803,207; Apr. 28.
Gas generator installation. H. R. Heyne. 1,832,025; Nov. 17.
Gas generator, Mechanically-clinkered. A. G. Glasgow. 1,794,605; Mar. 3.
Gas generator, Water. A. G. Glasgow. 1,809,333; June 9.
Gas gun. W. M. Minto. 1,826,562; Oct. 6.
Gas heater. B. C. Bartlebaugh. 1,827,379; Oct. 13.
Gas heater. H. H. Moreton. 1,790,644; Feb. 3.
Gas heater. H. H. Moreton. 1,805,781; May 19.
Gas heater. M. L. Packer. Des. 84,050–1; Apr. 28.
Gas heater. W. L. Sharp. Des. 83,574–6; Mar. 3.
Gas heater, Cabinet. H. H. Sanford. 1,807,014; May 26.
Gas heater, Radiant. J. M. Packer. 1,817,420; Aug. 4.
Gas ignition means for gas furnace burners. R. E. Fraser. 1,810,957; June 23.
Gas impervious sheet material and making the same. W. C. Geer. 1,801,666; Apr. 21.
Gas in a solid adsorbent, Adsorbing a. F. H. Wagner, jr. 1,825,707; Oct. 6.
Gas in vertical chamber ovens, Apparatus and process for producing coke and water. C. Otto and C. W. Andrews. 1,809,421; June 9.
Gas jets for power purposes, Production of. H. Jezler. 1,801,007; Apr. 14.
Gas lift for oil wells. W. A. Gammack and D. G. Knox. 1,789,866; Jan. 20.
Gas lift means. M. P. Burke. 1,803,837; May 5.
Gas lift means. M. P. Burke. 1,827,066; Oct. 13.
Gas lock. C. N. Fairchild. 1,819,085; Aug. 18.
Gas lock, Automatic. F. Greene. 1,788,290; Jan. 6.
Gas-making apparatus, Automatic. J. S. Kennedy. 1,794,906; Mar. 3.
Gas, Making producer. C. W. Andrews. 1,814,580; July 14.
Gas, Making producer. W. M. Cross. 1,833,964; Dec. 1.
Gas, Making water. O. B. Evans. 1,808,214; June 2.
Gas manufacture. B. F. De Graw. 1,808,807; June 9.
Gas, Manufacture of carbureted. A. W. Grant, jr. 1,819,838–9; Aug. 18.
Gas, Manufacture of carburetted water. T. W. Stone. 1,829,767; Nov. 3.
Gas, Manufacture of combustible. H. O. Loebell. 1,790,824; Feb. 3.
Gas, Manufacture of fuel. H. O. Lobell. 1,837,226; Dec. 22.
Gas, Manufacture of water. O. B. Evans. 1,828,461; Oct. 20.

Gas, Manufacturing. J. C. Stelfox. 1,822,547; Sept. 8.
Gas manufacturing process and apparatus. F. W. Sperr, jr. 1,817,777; Aug. 4.
Gas, Manufacturing water. W. M. Russell. 1,827,169; Oct. 13.
Gas measuring and indicating device. J. G. Tandberg. 1,825,024; Sept. 29.
Gas meter. E. P. Bartholomay. 1,834,673; Dec. 1.
Gas meter. E. P. Bartholomay. 1,835,924; Dec. 8.
Gas meter. E. E. Bates. 1,801,896; Apr. 21.
Gas meter. R. L. Dezendorf. 1,827,973–4; Oct. 20.
Gas meter. J. C. Dickinson. 1,804,596; May 12.
Gas meter. H. Gerdes. 1,812,333; June 30.
Gas meter. R. Marchiano. 1,794,633; Mar. 3.
Gas meter. G. R. Rich. 1,823,953; Sept. 22.
Gas meter. H. J. Waddell. 1,788,754; Jan. 13.
Gas meter, Maximum demand. H. Vittinghoff. 1,805,118; May 12.
Gas, Method and apparatus for refining exhaust. J. E. Best. 1,800,771; Apr. 14.
Gas mixing apparatus. D. Balachowsky and P. Caire. 1,815,177; July 21.
Gas mixing apparatus. E. O. Engels. 1,812,089; June 30.
Gas-mixing apparatus, Constant-proportioning. R. W. Thomas. 1,798,232; Mar. 31.
Gas mixing device. C. T. Howson. 1,802.019; Apr. 21.
Gas mixing device. P. Morgan. 1,814,949; July 14.
Gas mixing device. J. A. Tipton. 1,815,412; July 28.
Gas mixture for internal combustion engines, Regulating a. I. L. Dunn and L. C. Mingus. 1,812,088; June 30.
Gas mixtures, Device for regulating the quantity and composition of. A. Gramberg. 1,793,608; Feb. 24.
Gas mixtures, Fractionating, cooling, and condensing. F. Pollitzer. 1,804,432; May 12.
Gas motor. A. Goodwin. 1,836,658; Dec. 15.
Gas or a mixture of gas and vapor in the presence of catalytic agents and for the reactivation of such agents, Apparatus for the treatment of. A. Joseph. 1,828,146; Oct. 20.
Gas or electric range. J. Teller and A. P. Schulz. Des. 85,014; Sept. 1.
Gas pilot and burner. I. M. Austin, jr. 1,809,397; June 9.
Gas plant, Domestic. J. S. Birtciel. 1,795,005; Mar. 3.
Gas pressure regulator. J. F. von Schütz. 1,837,086; Dec. 15.
Gas, Process and apparatus for producing acetylene. D. A. Brading. 1,797,400; Mar. 24.
Gas producer. S. L. Bengtson. 1.833.816; Nov. 24.
Gas producer. A. K. Bradley. 1,795,162; Mar. 3.
Gas producer. L. N. Burnside. 1,832,092; Nov. 17.
Gas producer. F. B. Crosby. 1,822,005; Sept. 15.
Gas producer. R. Daae. 1,814,787; July 14.
Gas producer. R. Daae. 1,819.836; Aug. 18.
Gas producer. P. S. Hult. 1,793,618; Feb. 24.
Gas producer. G. Imbert. 1,821,263; Sept. 1.
Gas producer. H. F. Smith. 1,803,139; Apr. 28.
Gas producer. F. H. Treat. 1,801,398; Apr. 21.
Gas producer. F. H. Treat. 1,826,156; Oct. 6.
Gas producer. A. P. Van Heeden. 1,810,738; June 16.
Gas producer air sleeve. A. V. Kemp. 1,825,404; Sept. 29.
Gas producer and process for making combustible gas, chiefly for use with automotive mechanisms. W. W. Odell and E. N. Percy. 1,795,670; Mar. 10.
Gas producer and steam boiler. C. E. Lucke. 1,802,475; Apr. 28.
Gas producers, Automatic reversing apparatus for controlling the closure members of periodically operating. C. Niedbrodt. 1,826,363; Oct. 6.
Gas-producing apparatus. J. U. McDonald. 1,798,617; Mar. 31.
Gas, Producing heating and illuminating. A. F. Kunberger. 1,792,172; Feb. 10.
Gas production. C. W. Andrews. 1,803,686; May 5.
Gas-pump unit, Electrically operated piston. H. Silten. 1,832,588; Nov. 17.
Gas purification. G. A. Bragg. 1,834.764; Dec. 1.
Gas purification. D. L. Jacobson. 1,800.297; Apr. 14.
Gas purification. H. F. Smith. 1,829,068; Oct. 27.
Gas purification. F. W. Sperr, jr. 1,819.658; Aug. 18.
Gas purification. J. C. Woodhouse. 1,821,195; Sept. 1.
Gas purification apparatus. C. B. Collins. 1,821,090; Sept. 1.
Gas purification material and making the same. G. E. Seil. 1,818,871; Aug. 11.
Gas, Purification of. S. P. Coleman and B. Mead. 1,832,448; Nov. 17.
Gas purification process. G. A. Bragg. 1,819,833; Aug. 18.
Gas-purification process. D. L. Jacobson. 1,792,097; Feb. 10.
Gas purification process. F. W. Sperr, jr. 1,806,370; May 19.
Gas purification process. F. W. Sperr, jr. 1,824,103; Sept. 22.
Gas purification process and apparatus. G. A. Bragg. 1,809,818; June 16.
Gas purification process and apparatus. A. A. Kohr. 1,812.099; June 30.
Gas purification process and apparatus. G. E. Seil. 1,822.380; Sept. 8.
Gas purification, Process and apparatus for. G. E. Seil. 1,802,580; Apr. 28.
Gas-purification products, Treatment of. F. W. Sperr, jr. 1,798,912; Mar. 31.
Gas purifying plant. W. Feldmann. 1,820,734; Aug. 25.
Gas regulator. F. Gaunt, M. B. Reynolds, and R. C. Hughes. 1,800,995; Apr. 14.
Gas regulator. G. Helf. 1,816,431; July 28.
Gas samples, Apparatus for automatically withdrawing. J. F. Austin and D. H. McIntosh. 1,809,325; June 9.
Gas saving and lubricating means, Combined. W. P. Agnew. 1,812,231; June 30.
Gas saving device. F. C. Grohoski. 1,817,555; Aug. 4.
Gas scrubber. A. F. Kunberger. 1,835,954; Dec. 8.
Gas scrubber. A. G. McKee. 1,797,271; Mar. 24.
Gas scrubbing device. A. L. Genter. 1,814,377; July 14.
Gas, Separating and utilizing constituents of natural. J. S. Belt. 1,817,908; Aug. 11.
Gas supply apparatus. G. D. Peet. 1,831,319; Nov. 10.
Gas supply controlling mechanism. A. Wolpert. 1,836,567; Dec. 15.
Gas supplying method and device therefor. C. W. P. Heylandt. 1,826,248; Oct. 6.
Gas, System and apparatus for controlling excess. D. H. Hunter. 1,814,000; July 14.
Gas tank and running-board apron, Combined. F. C. McManus. 1,797,873; Mar. 24.
Gas tank lock. W. Isaacs. 1,824,352; Sept. 22.
Gas trap. L. L. Carter. 1,833.390; Nov. 24.
Gas-treating apparatus. M. J. Leahy. 1,800,892; Apr. 14.
Gas treating process and apparatus. C. J. Ramsburg. 1,835,182; Dec. 8.
Gas, Treating sulphur dioxide. B. W. Nordlander. 1,823,698; Sept. 15.
Gas under pressure, Apparatus for administering anesthetic and nutrient. H. W. C. Schroeder. 1,823,767; Sept. 15.
Gas valve, Thermostatically controlled. E. G. Hasting. 1,821,512; Sept. 1.
Gas washer. K. Bergfeld. 1,812,767; June 30.
Gas washer. J. P. Grilli. 1,823,269; Sept. 15.
Gas water heater. V. Mauck. 1,824,357; Sept. 22.
Gas water heater, Flow controlled. R. J. Dougherty. 1,829,742; Nov. 3.
Gaseous conduction apparatus. P. L. Spender. 1,821,242; Sept. 1.
Gaseous conduction device. C. G. Smith. 1,816,619; July 28.
Gaseous conduction device, Multiple. R. E. Miesse, 1,830,953; Nov. 10.
Gaseous discharge device. S. Ruben. 1,809,912; June 16.
Gaseous mixtures, Apparatus for forming and burning. E. G. Buschow. 1,838,903; Dec. 29.
Gaseous mixtures, Separating the constituents of. C. C. Van Nuys and J. L. Schlitt. 1,799,937; Apr. 7.
Gaseous reactions, Catalyzing. E. B. Miller. 1,799,858; Apr. 7.
Gaseous reactions, Conducting catalytic exothermic. A. T. Larson. 1.833,188; Nov. 24.
Gaseous treatment of finely divided material, Process and apparatus for the. F. M. Simonds. 1,802,959; Apr. 28.
Gases and finely subdivided materials, Reciprocal action between. G. Müller and J Jaenicke. 1,810,055; June 16.
Gases and liquids, Device for mixing. J. M. Daily. 1,810,131; June 16.
Gases and liquids, Mixing. T. W. Barber. 1,830,633; Nov. 3.
Gases and of gases with vapors, Separating mixtures of. H. Blau. 1,817,667; Aug. 4.
Gases and recovering by-products, Obtaining various. L. Chavanne. 1,818,533; Aug. 11.
Gases and the like, Purification of illuminating or coke oven. G. Claude. 1,801,903; Apr. 21.
Gases and vapors, Apparatus for electrical treatment of. H. R. Rowland. 1,837,489; Dec. 22.
Gases and vapors, Desulphurization of. J. Al. and F. R. Moser. 1.819.055; Aug. 18.
Gases and vapors, Washing. R. Gutensohn. 1,816,525; July 28.
Gases, Apparatus for cleaning. H. A. Brassert, and F. W. Barrett. 1,815,898; July 28.
Gases, Apparatus for cleaning. A. Steinbart. 1,811,597; June 23.
Gases, Apparatus for drying wet. A. J. Boynton and C. Dougan. 1,838,737; Dec. 29.
Gases, Apparatus for electrical precipitation of suspended material from. E. Anderson. 1,793,664; Feb. 24.
Gases, Apparatus for heating. W. A. Darrah. 1,801,226; Apr. 14.
Gases, Apparatus for separating and recovering. O. L. Barnebey. 1,787,714; Jan. 6.
Gases, Apparatus for treating. F. W. Sperr, jr. 1,809,646; June 9.
Gases arising from the heating of sulphide ores and the like, Treatment of. H. Klencke. 1,836,176; Dec. 15.
Gases at a raised temperature, Apparatus for effecting reactions between. L. Casale. 1,790,853; Feb. 3.
Gases at measured rates, Delivering. F. Howles. 1,808,412; June 2.
Gases by rectification, Separation of mixed. W. L. Debaufre. 1,830,157; Nov. 3.
Gases containing SO_2 or H_2SO_4, Regulating the temperature of. L. Gillett. 1,832,482; Nov. 17.
Gases, Dehydrating and purifying. A. P. Hornor and C. B. Gardenier. 1,821,549; Sept. 1.
Gases, Device for dosing compressed. H. W. C. Schroeder. 1,808,612; June 2.

Gases, Diffuser for exhaust. W. J. Moore. 1,813,189; July 7.
Gases, Drying of. C. Cooper. 1,820,121; Aug. 25.
Gases from furnaces, Utilizing the waste. B. M. Johnson. 1,809,628; June 9.
Gases from liquefied gases, Method and apparatus for producing compressed. C. W. P. Heylandt. 1,824,889; Sept. 29.
Gases from metals, Removing. J. Von Bosse. 1,795,384; Mar. 10.
Gases from molten light metals such as aluminum and its alloys, Removing. W. Todt. 1,810,801; June 16.
Gases, Indicating changes in. A. Meissner. 1,789,369; Jan. 20.
Gases in steam-boiler firings, Arrangement for regulating the discharge of the hot. O. Einsler. 1,800,212; Apr. 14.
Gases in the manufacture of liquid fuels, Process and apparatus for the purification of continuously flowing. A. Joseph. 1,815,846; July 21.
Gases, Method and apparatus for treating. J. H. F. Cassan. 1,823,784; Sept. 15.
Gases, Neutralizing poisonous engine. D. A. Mackinnon. 1,793,813; Feb. 24.
Gases or vapors of organic products, Separating organic. A. Engelhardt. 1,815,554; July 21.
Gases prior to purifying it, Humidifying. H. Bayha, C. Hahn, and O. Heymann. 1,820,726; Aug. 25.
Gases, Producing combustible. W. Gaus and W. Wild. 1,801,857; Apr. 21.
Gases, Production of combustible. H. A. Humphrey. 1,794,232; Feb. 24.
Gases, Protection against poisonous. E. Kraemer and K. Hörrmann. 1,822,154; Sept. 8.
Gases, Purification of. J. Skogmark and M. F. Chase. 1,821,064; Sept. 1.
Gases, Purification of coke oven. P. Schuftan. 1,838,577; Dec. 29.
Gases, Purifying. W. J. Huff and G. Milbourne. 1,816,533; July 28.
Gases, Recirculating system and apparatus for waste furnace. G. A. Merkt. 1,814,567; July 14.
Gases, Separating. R. L. Hasche. 1,810,312; June 16.
Gases, Separating acidic. R. R. Bottoms. 1,834,016; Dec. 1.
Gases, Separation of. R. L. Hasche. 1,798,733; Mar. 31.
Gases, Separation of. R. L. Hasche and W. H. Dargan. 1,794,377; Mar. 3.
Gases, Treating. H. J. Nichols, jr., and E. W. Luster. 1,799,619; Apr. 7.
Gases, Treating sulphur bearing. W. G. Hiatt. 1,807,528; May 26.
Gases, Treatment of. C. Cooper. 1,798,307; Mar. 31.
Gasification process. E. A. Dieterle. 1,792,632; Feb. 17.
Gasifier. T. G. Sullivan. 1,825,830; Oct. 6.
Gasket. C. B. Bailey. 1,812,578; June 30.
Gasket. C. B. Bailey. 1,815,893; July 28.
Gasket. C. B. Bailey. 1,824,386; Sept. 22.
Gasket. G. T. Balfe. 1,788,041; Jan. 6.
Gasket. G. T. Balfe. 1,789,030; Jan. 13.
Gasket. H. Bohmer, jr. 1,829,709; Oct. 27.
Gasket. S. W. Braner. 1,798,246; Mar. 31.
Gasket. S. W. Braner. 1,814,283; July 14.
Gasket. H. W. Jarrow. 1,837,443; Dec. 22.
Gasket. W. W. Knight. 1,802,176–7; Apr. 21.
Gasket. W. G. Laird. 1,825,962; Oct. 6.
Gasket. F. J. Oven. 1,823,264; Sept. 15.
Gasket. F. J. Oven. 1,828,471; Oct. 20.
Gasket. F. J. Oven. 1,838,496; Dec. 29
Gasket. C. B. Russell. 1,815,602; July 21.
Gasket. L. B. Sperry. 1,819,694; Aug. 18.
Gasket. A. T. Stock. 1,823,920; Sept. 22.
Gasket. E. A. Sutcliffe. 1,835,356; Dec. 8.
Gasket. J. R. Victor. 1,815,601; July 21.
Gasket. J. H. Victor. 1,804,574; May 12.
Gasket. J. H. Victor. 1,823,341–2; Sept. 15.
Gasket. J. H. Victor. 1,829,248; Oct. 27.
Gasket, Cylinder-head. M. D. Fitzgerald. 1,793,423–5; Feb. 17.
Gasket for neck and closure structures, Sealing. J. S. Reid. 1,831,262; Nov. 10.
Gasket for talcum powder cans. E. Hoffman. 1,806,802; May 26.
Gasket retainer. C. C. Farmer. 1,790,207; Jan. 27.
Gasket shaping device. L. A. and L. O. Weston, 1,818,180; Aug. 11.
Gasket, Spark-plug. F. J. Oven. 1,789,594–5; Jan. 20.
Gasket, Spark-plug. F. J. Oven. 1,789,770; Jan. 20.
Gaskets and the like, Apparatus for assembling. W. P. White. 1,830,076; Nov. 3.
Gaskets, Package of stacked. H. A. Lindsley. 1,813,178; July 7.
Gasoline, Apparatus for the stabilization, rectification, and fractional distillation of natural. F. S. Woidich. 1,803,581; May 5.
Gasoline, Colored. G. Alleman. 1,824,977; Sept. 29.
Gasoline distributor. A. W. Scott. 1,788,337; Jan. 6.
Gasoline feeding apparatus, Automatic. R. Porte. 1,809,944; June 16.
Gasoline from gas, Process and apparatus for recovering. N. E. Loomis. 1,789,470; Jan. 20.
Gasoline from gas, Recovering. F. A. Howard and N. E. Loomis. 1,806,571; May 19.
Gasoline from high boiling hydrocarbon oils, Producing. J. C. Black and M. L. Chappell. 1,820,371; Aug. 25.
Gasoline from natural gas, Process of and apparatus for the extraction of. F. Porter. 1,838,449; Dec. 29.
Gasoline gauge. H. Lundquist. 1,814,394; July 14.
Gasoline gauge, Computing. L. H. Kirkpatrick. 1,820,025; Aug. 25.
Gasoline gauge, Electric. B. H. Zeibig. 1,820,369; Aug. 25.
Gasoline, Method and apparatus for producing. D. G. Brandt. 1,791,113; Feb. 3.
Gasoline motor. H. L. Adams. 1,806,233; May 19.
Gasoline motor, Rotary. W. J. Teeters. 1,812,729; June 30.
Gasoline purifier. H. W. Kriner. 1,819,424; Aug. 18.
Gasoline, Recovering. F. E. Hosmer. 1,796,755; Mar. 17.
Gasoline-releasing device for aeroplanes. T. M. Condon. 1,793,777; Feb. 24.
Gasoline reserve supply device. F. A. Haase and A. H. Wewerka. 1,829,277; Oct. 27.
Gasoline vapors, Condensing. F. W. Isles. 1,809,167; June 9.
Gasometer. K. Jagschitz and P. M. Kuehn. 1,829,519; Oct. 27.
Gate: *See*—

Automatic gate.	Level crossing gate.
Cab gate.	Mine-shaft gate.
Cattle holding and dehorning gate.	Portable stall gate.
Crossing gate.	Poultry coop gate.
End gate.	Railway-crossing gate.
Farm gate.	Safety gate.
Film gate.	Sluice gate.
Flood gate.	Starting gate
Hoist end gate.	Tail gate.
Hopper gate.	Traffic gate.
Irrigation gate.	Vehicle-operated gate.
	Water gate.

Gate. E. A. Gross. 1,802,599; Apr. 28.
Gate. J. A. Hunt. 1,818,482; Aug. 11.
Gate. J. H. McDevitt. 1,798,096; Mar. 24.
Gate. F. L. Ritchie. 1,835,430; Dec. 8.
Gate. C. M. Root. 1,808,972; June 9.
Gate. C. A. Spaugh. 1,811,810; June 23.
Gate. J. W. Street. 1,827,173; Oct. 13.
Gate-actuating means, Automatic bin-. E. W. Schellentrager. 1,796,480; Mar. 17.
Gate actuating mechanism, Hopper. R. H. Beaumont. 1,829,182; Oct. 27.
Gate and hose connection, Water. F. M. Van Sickle. 1,817,538; Aug. 4.
Gate apparatus. C. Kasik. 1,818,224; Aug. 11.
Gate closer, Attachable. J. A. Noel. 1,802,444; Apr. 28.
Gate construction. H. House. 1,790,304; Jan. 27.
Gate-control means, Elevator. A. Nell. 1,799,600; Apr. 7.
Gate for box and refrigerator cars, Overhead bulkhead drop. G. F. Jones. 1,803,760; May 5.
Gate for conduits, Adjustable. H. H. Bailey and J. L. Thomas. 1,824,189; Sept. 22.
Gate for delivery vehicles. B. Seitz. 1,805,851; May 19.
Gate for dump wagons or trucks, End. H. F. Gorsuch and E. Wickstrom. 1,788,999; Jan. 13.
Gate for hoisting inclosures, Safety. F. A. Davidson. 1,830,385; Nov. 3.
Gate for motor vehicles, Signal. E. J. McAllister. 1,814,477; July 14.
Gate for pipe lines, Rotary. J. Schnyder. 1,800,908; Apr. 14.
Gate hook. E. L. H. Graff. 1,803,245; Apr. 28.
Gate-opening cylinder, Bin-. E. W. Schellentrager. 1,799,707; Apr. 7.
Gate operating means. H. L. Brown. 1,812,735; June 30.
Gate rod for wagon boxes, End-. F. Tabatt. 1,801,122; Apr. 14.
Gate structure. A. B. Whitehead. 1,792,951; Feb. 17.
Gauge: *See*—

Adjustable gauge.	Occlusal gauge.
Air gauge.	Oil gauge.
Air-pressure gauge.	Oil-level gauge.
Cylinder gauge.	Oil pressure gauge.
Dental gauge.	Oil tank gauge.
Depth gauge.	Piston gauge.
Dial gauge.	Pressure gauge.
Diaphragm pressure gauge.	Pressure recording gauge.
Feeler control gauge.	Radium gauge.
Feeler gauge.	Radius gauge.
Finger and ring gauge.	Saw-filer's gauge.
Fuel and pressure gauge.	Saw gauge.
Gasoline gauge.	Saw teeth gauge.
Gear-cutter-centering gauge.	Skirt gauge.
Height gauge.	Snap thread gauge.
Indicator gauge.	Stop gauge.
Key pressure gauge.	Tank gauge.
Leak gauge.	Tank truck gauge.
Liquid gauge.	Testing gauge
Liquid level gauge.	Thread gauge.
Lubricant level gauge.	Tire gauge.
Manometer gauge.	Tolerance gauge.
Mercury pressure gauge.	U-gauge.
Micrometer gauge.	Water gauge.
Mitering gauge.	Wheel gauge.

Gauge. L. Cook. 1 808,207; June 2.
Gauge. L. A. Corey. 1,813,566; July 7.
Gauge. T. C. Erskine. 1,789,305; Jan. 20.
Gauge. C. E. Johansson. 1,810,710; June 16.

Gauge. A. J. McDanel. 1,826,807; Oct. 13.
Gauge. F. Winny. 1,816,244; July 28.
Gauge adjusting means. O. W. Heise. 1,835,044; Dec. 8.
Gauge and method of gauging, Screw thread. J. Hartness. 1,822,028; Sept. 8.
Gauge and pump, Depth. L. H. Wheeler. 1,825,708; Oct. 6.
Gauge attachment, Pressure. W. C. Hopkins. 1,803,255; Apr. 28.
Gauge cock. E. O. Corey. 1,821,422; Sept. 1.
Gauge cock. H. E. Culbertson. 1,799,736; Apr. 7.
Gauge cock. M. F. Waters. 1,789,205; Jan. 13.
Gauge construction. W. J. Rudolph. 1,821,669; Sept. 1.
Gauge control device and train stopping device, Combined track. H. Karl. 1,817,380; Aug. 4.
Gauge device. O. R. Briney. 1,809,547; June 9.
Gauge for automobile axles, Spindle. H. Wochner. 1,825,988; Oct. 6.
Gauge for automobiles, Gasoline. J. W. Mularkey. 1,829,489; Oct. 27.
Gauge for automobiles, Gasoline. H. C. Stearns. 1,819,849; Aug. 18.
Gauge for automobiles, Tracking. H. Wochner. 1,804,448; May 12.
Gauges for bottles, Multiple neck. C. G. Hilgenberg. 1,808,955; June 9.
Gauge for fabric cutting machines. M. F. Sullivan. 1,819,046; Aug. 18.
Gauge for inflated bodies, Pressure. V. A. Trier. 1,802,685; Apr. 28.
Gauge for internal threads, Micrometer. F. J. Bohn. 1,797,121–2; Mar. 17.
Gauge for looms, Warp tension. O. V. Payne. 1,817,203; Aug. 4.
Gauge for measuring endless belts. R. H. Pope. 1,816,695; July 28.
Gauge for rakes. S. Jones. 1,789,980; Jan. 27.
Gauge for ripsaws, Automatic auxiliary. J. A. Dirschauer and F. H. Schierholzer. 1,799,738; Apr. 7.
Gauge for saws, Cut-off. C. G. Wilderson. 1,789,125; Jan. 13.
Gauge for sheet glass. W. Gray and W. Brown. 1,801,270; Apr. 21.
Gauge for sheet metal edge bending machines. W. R. Magee. 1,831,311; Nov. 10.
Gauge for sheet metal punching machines. G. R. Walts. 1,825,563; Sept. 29.
Gauge for the application of lip rouge. J. A. Petnel. 1,818,863; Aug. 11.
Gauge for tillage disks, Depth. S. W. Cady. 1,790,089; Jan. 27.
Gauge-glass illuminator. H. W. Morreall. 1,788,776; Jan. 13.
Gauge glasses, Illuminating means for. G. Kauffmann, jr. 1,788,198; Jan. 6.
Gauge lock. R. S. Tyler, H. McGeorge, and W. M. Reichart. 1,808,388; June 2.
Gauge, Measuring. M. K. Parkhurst and J. W. Parker. 1,803,284; Apr. 28.
Gauge mechanism for fastening inserting machines. J. L. Jones. 1,824,958; Sept. 29.
Gauge pole. R. Sherwin. 1,788,256; Jan. 6.
Gauge rods, Wiper for oil-. H. O. and C. L. Kampstad. 1,795,606; Mar. 10.
Gauge stabilizer. J. D. Isaacks. 1,818,258; Aug. 11.
Gauge structure. W. P. Watling and B. F. Small. 1,832,953; Nov. 24.
Gauge switch. P. H. Hutchinson. 1,823,900; Sept. 22.
Gauging apparatus. E. T. Anderson. 1,818,968; Aug. 18.
Gauging device. W. G. Hiatt. 1,823,801; Sept. 15.
Gauging instrument for miter boxes. E. Sodergren. 1,799,605; Apr. 7.
Gauging machine. W. H. Baker. 1,823,719; Sept. 15.
Gauging machine. O Schlaupitz. 1,826,527; Oct. 6.
Gauging machine. H. L. Vine. 1,823,999; Sept. 22.
Gauging machine and gauge. M. E. Berlowitz. 1,798,650; Mar. 31.
Gauging rod. S. Tonietti. 1,789,610; Jan. 20.
Gauges, Adapter for pressure. R. Rinne and M. L. Appel. 1,799,832; Apr. 7.
Gauges, Adapter for water. P. B. Huyette. 1,794,295; Feb. 24.
Gauges and the like, U-tube for vacuum. R. E. Woolley. 1,794,268; Feb. 24.
Gear. M. Büttner. 1,795,996; Mar. 10.
Gear. R. B. Fehr. 1,813,875; July 7.
Gear. E. C. Head. 1,818,554; Aug. 11.
Gear. H. Molly. 1,795,135; Mar. 3.
Gear. G. Preis. 1,820,246; Aug. 25.
Gear. S. B. Weller. 1,814,988; July 14.
Gear. J. C. Zeder and O. J. Bratz. 1,828,305; Oct. 20.
Gear adjusting device, Steering. A. H. Schmal. 1,815,450; July 21.
Gear, Aeroplane landing. G. E. F. Hickox and W. T. Mitchell. 1,812,698; June 30.
Gear, Aeroplane landing. C. B. Schumacher. 1,834,427; Dec. 1.
Gear, Airplane landing. G. M. Bellanca. 1,835,368; Dec. 8.
Gear, Airplane landing. H. A. Hicks. 1,830,901; Nov. 10.
Gear, Airplane-propeller. C. F. Jenkins. 1,798,740; Mar. 31.
Gear and clutch therefor, Speed changing. W. C. Pitter. 1,816,295; July 28.
Gear and pinion lubricator. T. F. Stiffler. 1,790,729; Feb. 3.
Gear assembly, Antirattle sliding. C. B. Spase. 1,813,209; July 7.
Gear, Automatic change speed. A. M. Kamper. 1,837,908; Dec. 22.
Gear, Automatic variable speed. E. Janik. 1,828,606; Oct. 20.
Gear-blacklash compensator. M. Helm. 1,796,992. Mar. 17.
Gear blank, Molded laminated. G. H. Mains. 1,824,825; Sept. 29.
Gear-box mechanism. E. A. Muller. 1,796,042; Mar. 10.
Gear, Brake and clutch. G. H. Enderby. 1,793,470; Feb. 24.
Gear-case unit, Magnetic-clutch. J. C. and R. D. Shaw. 1,789,116; Jan. 13.
Gear, Central buffing and draw. A. Spencer and R. T. Glascodine. 1,813,824; July 7.
Gear, Change-speed. G. C. Cappa. 1,789,271; Jan. 13.
Gear change speed unit, Reduction. F. T. Potter. 1,816,867; Aug. 4.
Gear changing apparatus. R. M. Ruck. 1,823,766; Sept. 15.
Gear changing mechanism, Torque controlled. F. W. Mayer. 1,812,445; June 30.
Gear, Collapsible running. E. F. Benson. 1,793,353; Feb. 17.
Gear, Constant-mesh variable-speed. J. Ward. 1,795,981; Mar. 10.
Gear construction. J. L. Perkins and H. D. Croft. 1,810,368; June 16.
Gear, Control. W. Ferris. 1,813,040; July 7.
Gear cutter. N. Trbojevich. 1,790,609; Jan. 27.
Gear-cutter centering gauge. E. C. Flamm. 1,794,162; Feb. 24.
Gear-cutting apparatus. E. L. Fickett. 1,797,227; Mar. 24.
Gear-cutting machine. A. H. Candee and M. H. Johanson. 1,799,883; Apr. 7.
Gear cutting machine. L. O. Carlsen. 1,829,263; Oct. 27.
Gear-cutting machine. E. L. Fickett. 1,796,092; Mar. 10.
Gear-cutting machine. E. L. Fickett. 1,799,460; Apr. 7.
Gear cutting machine. E. L. Fickett, L. E. Greene, V. Charushin, and J. S. Campbell. 1,830,753; Nov. 10.
Gear cutting machine. M. H. Hill. 1,816,375; July 28.
Gear cutting machine. M. H. Hill and L. O. Carlsen. 1,816,376; July 28.
Gear cutting machine. H. C. Warner. 1,836,210; Dec. 15.
Gear, Differential. G. H. Benzon, jr. 1,810,747; June 16.
Gear, Draft. W. H. Cotton. 1,835,282; Dec. 8.
Gear, Draft. J. M. Hall. 1,837,816; Dec. 22.
Gear, Draft. R. R. Mauk and H. L. Patterson. 1,830,706; Nov. 3.
Gear, Draft. J. F. O'Connor. 1,806,264; May 19.
Gear, Draft. W. F. Richards. 1,808,378; June 2.
Gear, Draft. H. E. Tucker. 1,831,084; Nov. 10.
Gear, Draft and buffing. F. E. Stebbins. 1,826,837; Oct. 13.
Gear drives, Adjusting means for hydraulic. D. R. Francis. 1,806,340; May 19.
Gear, Dump wagon door operating. G. E. Armington. 1,817,602; Aug. 4.
Gear, Dumping. E. J. Dondlinger. 1,817,132; Aug. 4.
Gear, Eccentric balance driving. L. Le Bret. 1,819,715; Aug. 18.
Gear, Eccentric driving. J. Reid. 1,830,717; Nov. 3.
Gear, Epicyclic. E. Herrmann. 1,804,055; May 5.
Gear, Epicyclic. W. G. Wilson. 1,796,904; Mar. 17.
Gear for aeroplanes, Landing. W. Miller. 1,810,054; June 16.
Gear for aeroplanes, Landing. J. Miyo. 1,833,468; Nov. 24.
Gear for aeroplanes, Landing. J. Silverman. 1,804,817; May 12.
Gear for aeroplanes, Landing. W. L. Williams. 1,802,399; Apr. 28.
Gear for aircraft, Control. F. Michael and M. Grabarse. 1,834,859; Dec. 1.
Gear for aircraft, Emergency flotation. C. E. Hathorn. 1,833,646; Nov. 24.
Gear for aircraft, Landing. A. Procofieff-Seversky. 1,811,152; June 23.
Gear for airplanes, Landing. G. M. Bellanca. Re18,226; Oct. 20.
Gear for airplanes, Landing. H. Cordy. 1,816,143; July 28.
Gear for airplanes, Synchronous running. J. Blondin. 1,815,182; July 21.
Gear for air ships of the rigid type, Driving. J. Schuette. 1,809,220; June 9.
Gear for airships, Steering. J. D. Langdon. 1,808,991; June 9.
Gear for airships, Steering. G. W. Paulson. 1,831,134; Nov. 10.
Gear for baby carriages, Running. G. Stinson. 1,827,492; Oct. 13.
Gear for internal combustion engines, Reversing. O. Petersen. 1,837,171; Dec. 15.
Gear for cameras, Compensating winding. E. C. Thompson. 1,812,182; June 30.
Gear for dumping vehicles, Gate operating. A. P. Armington. 1,801,321; Apr. 21.

Gear for flying machines, Retractable landing. G. E. McCrea. 1,812,211; June 30.
Gear for gasoline-driven locomotives, Back-up. W. H. Hoodless. 1,790,269; Jan. 27.
Gear for high speed suspension cars, Running. C. Stedefeld. 1,805,928; May 19.
Gear for internal-combustion engines, Valve. G. Boulet. 1,787,717; Jan. 6.
Gear for locomotives, Equalizing. T. H. Fawcett. 1,789,227; Jan. 13.
Gear for motor driven vehicles, Steering. A. A. Holle. 1,818,892; Aug. 11.
Gear for motor road vehicles and the like, Steering. D. Brown. 1,815,231; July 21.
Gear for railway cars, Draft. E. C. Johnson. 1,832,215; Nov. 17.
Gear for reciprocating piston engines, Cam-driven. C. Ward and T. G. Hassall. 1,788,259; Jan. 6.
Gear for road graders, Steering. F. E. Arndt. Des. 18,150; Aug. 18.
Gear for roller awnings, Ball-bearing worm. W. C. Astrup. 1,813,524; July 7.
Gear for sewing machines, Drive. R. S. Kelso. 1,818,336; Aug. 11.
Gear for steam engines, Valve. F. A. Kowarick. 1,809,712; June 9.
Gear for use with internal combustion engines, Transmission. E. A. Franks. 1,813,614; July 7.
Gear, Form of reduction. G. W. C. Webb. 1,828,795; Oct. 27.
Gear, Forming. E. Wildhaber. 1,797,460–1; Mar. 24.
Gear, Friction draft. G. F. Couch. 1,797,639; Mar. 24.
Gear, Friction draft. R. R. Stevens. 1,831,890; Nov. 17.
Gear, Friction draft. A. F. Stuebing. 1,836,294; Dec. 15.
Gear, Friction draft. H. F. Woernley. 1,788,649; Jan. 13.
Gear generating machine. E. Finsen. 1,825,112; Sept. 29.
Gear, Hindley worm. S. I. Cone. 1,822,800; Sept. 8.
Gear hob and making and using the same. N. Trbojevich. 1,820,410; Aug. 25.
Gear, Hypoid. E. Wildhaber. 1,826,852; Oct. 13.
Gear, Hydraulic transmission. G. C. Hoffman. 1,794,378; Mar. 3.
Gear, Hydraulic valve. J. O. Almen. 1,792,795; Feb. 17.
Gear, Hydraulic valve. W. Noble. 1,801,683; Apr. 21.
Gear, Intermittent actuating. H. Füssel. 1,814,030; July 14.
Gear, Landing. T. B. Carns. 1,793,055; Feb. 17.
Gear, Landing. L. C. Milburn. 1,818,417; Aug. 11.
Gear, Landing. B. V. Korvin-Kroukovsky. 1,827,242; Oct. 13.
Gear, Locomotive valve. A. T. Bacon. 1,823,639; Sept. 15.
Gear, Locomotive valve. J. D. Purdy. 1,833,039; Nov. 24.
Gear, Locomotive valve. H. G. Mueller. 1,801,752; Apr. 21.
Gear, Marine reverse. W. C. Thornhill. 1,834,322; Dec. 1.
Gear, Mating spur. W. H. Hubbard. 1,828,114; Oct. 20.
Gear mechanism. A. E. Freeman and W. T. Livermore. 1,802,419; Apr. 28.
Gear mechanism for automotive vehicles, Change-. F. Girardi. 1,793,690; Feb. 24.
Gear mechanism, Hydraulic change-speed-. E. C. Bullard and F. H. Mussler. 1,800,982; Apr. 14.
Gear mechanism, Hydraulic change-speed. F. H. Mussler. 1,794,472; Mar. 3.
Gear mechanism, Planetary. L. E. Whiton. 1,835,194; Dec. 8.
Gear mechanism, Reversing. H. A. Yeider. 1,804,138; May 5.
Gear mechanism, Variable speed. M. L. F. von Broembsen. 1,810,450; June 16.
Gear mechanism, Variable-speed. F. A. Tubach. 1,788,815; Jan. 13.
Gear, Motor vehicle steering. W. N. Osburn. 1,821,945; Sept. 8.
Gear, Multiple-speed wheel. W. Lindner. 1,795,368; Mar. 10.
Gear of machines for casting stereotype plates, Driving. C. B. Winkler. 1,810,875; June 16.
Gear of narrow fabric looms, Driving. H. Haywood. 1,812,480; June 30.
Gear operated seat. C. N. Fairchild. 1,838,303; Dec. 29.
Gear operating means for awnings, Worm. J. G. Baumbach. 1,833,452; Nov. 24.
Gear or torque converter, Variable-speed. C. S. Sprigg. 1,791,386; Feb. 3.
Gear, Power reverse. M. H. Roberts. 1,830,211; Nov. 3.
Gear power transmission. E. Brown. 1,806,328; May 19.
Gear protection. G. von Beulwitz. 1,829,249; Oct. 27.
Gear provided with propping rollers, Differential. D. S. de Lavaud. 1,823,389; Sept. 15.
Gear puller, Hydraulic. J. E. Lynch. 1,828,252; Oct. 20.
Gear ratio changing mechanism. P. A. Hunker. 1,836,074; Dec. 15.
Gear, Railway draft. W. F. Kiesel, jr. 1,804,345; May 5.
Gear, Reducing. C. C. Chaney. 1,801,485; Apr. 21.
Gear, Reducing speed. A. Henderson and H. P. H. Anderson. 1,802,112; Apr. 21.
Gear, Reduction. W. B. Flanders. 1,838,990; Dec. 29.
Gear reduction mechanism, Worm. W. H. Himes. 1,813,997; July 14.
Gear, resilient. R. G. Anderson. 1,824,648; Sept. 22.
Gear, Reverse. J. T. Carroll. 1,833,483; Nov. 24.
Gear, Reverse. A. T. Nabstedt. 1,832,467; Nov. 17.
Gear, Rolling hinge. R. L. Garnett. 1,833,159; Nov. 24.
Gear, Rotary valve. F. W. Ellyson. 1,804,921; May 12.
Gear, Scraper draft. A. P. Armington. 1,801,322; Apr. 21.
Gear set, Self-lubricating. M. B. Morgan. 1,811,059; June 23.
Gear shift. G. E. Danielson. 1,804,747; May 12.
Gear shift. J. G. Hanson. 1,830,395; Nov. 3.
Gear shift, Automatic. G. Fleischel. 1,813,731; July 7.
Gear shift, Automatic. A. Forchon. 1,839,145; Dec. 29.
Gear shift cage. J. Fernandez. 1,838,989; Dec. 29.
Gear shift control mechanism. A. H. Humaugh. 1,806,211; May 19.
Gear shift control, Pneumatic. H. T. Goss. 1,817,365; Aug. 4.
Gear shift, Electrical. G. J. Barton and H. E. Mitchell. 1,794,357; Mar. 3.
Gear shift lever grip for motor vehicles. C. W. Beck. 1,807,369; May 26.
Gear shift lock, Pneumatic. A. A. Hodgkins. 1,811,932; June 30.
Gear-shift mechanism. R. B. Lewis. 1,794,187; Feb. 24.
Gear-shift mechanism. B. F. Schmidt. 1,797,798; Mar. 24.
Gear shift mechanism for automobiles. C. W. Van Ranst. 1,822,252; Sept. 8.
Gear shift, Pneumatic. A. M. Craig. 1,820,269; Aug. 25.
Gear shift, Pneumatic. H. E. Spencer. 1,813,683; July 7.
Gear shift, Safety. F. W. Parker. 1,804,109; May 5.
Gear shifting mechanism. J. H. McCarthy. 1,835,167; Dec. 8.
Gear-shifter mechanism. E. O. Schjolin. 1,788,894; Jan. 13.
Gear-shifting mechanism, Automatic. A. J., and J. E. Hantschel. 1,791,595; Feb. 10.
Gear-shifting mechanism, Fluid operated. K. W. Gaskill. 1,820,452; Aug. 25.
Gear-shifting mechanism, Transmission-. P. R. Follis. 1,794,163; Feb. 24.
Gear shifting mechanism, Twin cable. B. F. Schmidt. 1,820,501; Aug. 25.
Gear silencer construction. E. E. Wemp. 1,804,906; May 12.
Gear, Speed changing and reversing. J. S. Shaw. 1,825,552; Sept. 29.
Gear speed-equalizing means, Transmission-. C. O. Rhys. 1,799,392; Apr. 7.
Gear, Speed varying and reversing. J. S. Shaw, G. W. Watson, and W. Heap. 1,790,772; Feb. 3.
Gear, Starting. E. A. Doub. 1,787,857; Jan. 6.
Gear, Steam engine valve. J. Olson. 1,807,005; May 26.
Gear, Steering. L. Blackmore. 1,822,855; Sept. 8.
Gear, Steering. E. G. Gunn. 1,797,061; Mar. 17.
Gear, Steering. W. Johnson. 1,810,609; June 16.
Gear, Steering. G. W. Paulson. 1,837,289; Dec. 22.
Gear, Switch. H. V. Nye. 1,792,861; Feb. 17.
Gear synchronizer assistant for clutches. E. E. Wemp. 1,832,073; Nov. 17.
Gear teeth, Cutting. O. G. Simmons. Re18,021; Mar. 31.
Gear teeth, Method and apparatus for generating curved surfaces on. G. L. Bayley. 1,811,254; June 23.
Gear, Timing. A. J. Baker. 1,815,894; July 28.
Gear timing system. E. B. Trusler. 1,816,552; July 28.
Gear-tooth-finishing machine. H. D. Tanner and R. R. Raber. 1,790,560; Jan. 27.
Gear train for starters or the like. R. Chilton. 1,789,169; Jan. 13.
Gear transmission. K. R. Manville. 1,791,137; Feb. 3.
Gear transmission. W. I. Spangler. 1,800,876; Apr. 14.
Gear, Transmission and reverse. J. B. Fisher and J. E. De Long. 1,805,137; May 12.
Gear, Trawling. J. B. J. A. Vigneron. 1,803,928; May 5.
Gear, Trawling. J. J. A. Vigneron. 1,812,613; June 30.
Gear, Trawling. J. B. J. A. Vigneron. 1,830,215; Nov. 3.
Gear unit, Marine reduction reverse. P. D. Harvey. 1,814,311; July 14.
Gear, Valve. H. Albers. 1,836,740; Dec. 15.
Gear, Valve. J. J. Boland. 1,803,459; May 5.
Gear, Valve. E. de H. Caldwell. 1,814,545; July 14.
Gear, Valve. H. F. Pearson. 1,807,432; May 26.
Gear, Variable friction. C. T. Small. 1,802,484; Apr. 28.
Gear, Variable speed. W. Jacobs. 1,827,582; Oct. 13.
Gear, Variable speed. L. Kambo. 1,815,475; July 21.
Gear, Variable transmission. L. M. Blyth. 1,803,422; May 5.
Gear, Vehicle running. A. Agramonte. 1,820,108; Aug. 25.
Gear wheel. A. A. Ross. 1,813,819; July 7.
Gear wheel and manufacturing the same, Non-metallic. H. J. Cameron. 1,814,825; July 14.
Gear wheel and the like. A. A. Ross. 1,813,820; July 7.
Gear wheel, Laminated. L. E. G. Buehler. 1,836,439; Dec. 15.
Gear with dynamometer, Reduction. H. T. Herr. 1,820,740; Aug. 25.
Gear, Worm. E. Brown and J. de Freudenreich. 1,791,116; Feb. 3.
Gear, Worm. J. P. Damonte. 1,815,835; July 21.
Geared hand brake. B. W. Kadel. 1,831,008; Nov. 10.
Geared motor. V. G. Apple. 1,799,348; Apr. 7.
Geared rod. J. C. McClurkin and A. Stallard. 1,827,248; Oct. 13.

Gearing. J. Bethune. 1,788,701; Jan. 13.
Gearing. J. Bethune. 1,803,296; Apr. 28.
Gearing. E. L. Fickett. 1,814,911; July 14.
Gearing. J. E. Jewett and S. E. Meyers. 1,823,147; Sept. 15.
Gearing. R. J. McCarty, jr. 1,807,000; May 26.
Gearing. M. Rall and E. Durst. 1,812,552; June 30.
Gearing. A. Ruetschi. 1,817,019; Aug. 4.
Gearing. T. H. Siddall. 1,794,038; Feb. 24.
Gearing. E. Wildhaber. 1,816,272–3; July 28.
Gearing and the like, Rope. O. Ohnesorge. 1,828,255; Oct. 20.
Gearing, Automobile. T. L. Fawick. 1,795,426; Mar. 10.
Gearing, Auxiliary. G. A. Newhouse. 1,820,886; Aug. 25.
Gearing, Belt. C. E. Bailey. 1,790,786; Feb. 3.
Gearing, Belt. C. Hollerith. 1,811,673; June 23.
Gearing, Bicycle. E. Murase. 1,826,565; Oct. 6.
Gearing, Cam shaft operating. E. La Chapelle. 1,830,704; Nov. 3.
Gearing, Chain. F. Müller. 1,796,661; Mar. 17.
Gearing, Change speed. S. J. Boughton. 1,815,032; July 21.
Gearing, Change speed. H. M. Edmunds. 1,811,921; June 30.
Gearing, Change-speed. G. von Heyman. 1,797,740; Mar. 24.
Gearing device for internal combustion multi-cylinder oil engines. K. Winterlin. 1,829,078; Oct. 27.
Gearing especially for motor cars, Change-spur. W. Schudeisky. 1,789,053; Jan. 13.
Gearing for actuating sleeve valves for crankless engines. A. G. M. Michell. 1,793,238; Feb. 17.
Gearing for driving the shaft of the rotary cutter in cigarette rod making machines, Planetary. M. P. E. Hohn. 1,817,314; Aug. 4.
Gearing for superchargers used with internal-combustion engines. S. M. Viale. 1,791,393; Feb. 3.
Gearing for transmitting rotary motions. R. Erban. Re18,175; Sept. 1.
Gearing for washing machine agitators. A. R. Haag. 1,815,906; July 28.
Gearing for washing machines. J. H. Fedler. 1,787,724; Jan. 6.
Gearing, Friction. H. P. Gorman. 1,790,539; Jan. 27.
Gearing, Friction. L. D. Jones. 1,827,891; Oct. 20.
Gearing, Friction. R. S. Prendergast. 1,822,601; Sept. 8.
Gearing mechanism for changing speed ratios. G. W. Felton. 1,799,740; Apr. 7.
Gearing, particularly for motor vehicles, Variable-speed. V. Valletta. 1,794,264; Feb. 24.
Gearing, particularly for motor vehicles, Variable-speed. V. Valletta. 1,796,067; Mar. 10.
Gearing, Power transmission. J. E. Batts. 1,826,703; Oct. 13.
Gearing, Power transmission. W. R. Uggla. 1,813,369; July 7.
Gearing, Reduction. H. Chrisman and A. D. MacLean. 1,831,903; Nov. 17.
Gearing, Reverse. T. S. Ewart. 1,804,252; May 5.
Gearing, Self adjusting valve. H. T. Thomas. 1,806,099; May 19.
Gearing, Swing traction. L. A. Russell. 1,830,810; Nov. 10.
Gearing, Timing. G. R. Poyer. 1,817,645; Aug. 4.
Gearing, Transmission. C. E. F. Ahlm. 1,813,376; July 7.
Gearing, Transmission. P. Alvenes. 1,830,252; Nov. 3.
Gearing, Transmission. J. M. Simpson. 1,794,738; Mar. 3.
Gearing, Variable friction. J. H. Robertson. 1,813,957; July 14.
Gearing, Variable speed friction. J. H. Robertson. 1,823,125; Sept. 15.
Gearing, Variable velocity ratio. F. J. Healey. 1,817,819; Aug. 4.
Gearing, Worm. N. Trbojevich. 1,790,606; Jan. 27.
Gearing, Worm. N. Trbojevich. 1,790,608; Jan. 27.
Gearing, Worm. N. Trbojevich. 1,815,685; July 21.
Gears and apparatus therefor, Cutting. N. Trbojevich. 1,820,409; Aug. 25.
Gears, Apparatus for control of variable cut-off valve. R. E. Bruckner. 1,828,956; Oct. 27.
Gears, Apparatus for testing draft. A. E. Dentler. 1,829,128; Oct. 27.
Gears, Cutting curved-tooth. H. E. Stonebraker. 1,788,639; Jan. 13.
Gears, Device for testing bevel. E. E. Wanick. 1,795,356; Mar. 10.
Gears, Engine control mechanism for steering. H. Marles. 1,821,942; Sept. 8.
Gears, Finishing. F. E. McMullen. 1,821,188; Sept. 1.
Gears, Generating. O. G. Simmons. 1,811,568; June 23.
Gears, Generating. N. Trbojevich. 1,812,384; June 30.
Gears, Lubricating eccentric driving. J. Reid. 1,798,496; Mar. 31.
Gears, Making. E. E. Arnold. 1,828,271; Oct. 20.
Gears, Making splined. E. F. Davis. 1,789,968; Jan. 27.
Gears, Method and apparatus for grinding. B. E. Shlesinger. 1,815,336; July 21.
Gears, Method and machine for finishing. A. P. Slade. 1,796,484; Mar. 17.
Gears, Method of and apparatus for grinding. F. E. McMullen, J. E. Gleason, and A. L. Stewart. 1,830,952; Nov. 10.
Gears, Method of and apparatus for grinding. H. E. Taylor. 1,830,971; Nov. 10.
Gears, Method of and device for improving. E. Wildhaber. 1,822,846; Sept. 8.
Gears, Method of and machine for producing. M. H. Hill. 1,797,341; Mar. 24.
Gears, Method of and machine for producing. M. H. Johanson. 1,796,462; Mar. 17.
Gears, Producing. B. F. Schlesinger. 1,809,948; June 16.
Gears, Reverse yoke for locomotive valve. K. S. Trent. 1,827,122; Oct. 13.
Gears to shafts, Keying. G. C. Carhart. 1,790,261; Jan. 27.
Gels, Preparing plural. E. H. Barclay. 1,822,848; Sept. 8.
Gem and jewel, Composite. H. H. Welch. 1,827,695; Oct. 13.
Generating apparatus, Gas-. H. F. Smith. 1,794,478; Mar. 3.
Generating machine, Gear. E. W. Miller. 1,802,181; Apr. 21.
Generating plant, Automatic. E. R. Witzel. 1,794,392; Mar. 3.
Generator: *See*—
Acetylene generator.
Current generator.
Earth inductor generator.
Electric generator.
Electric motor generator.
Electric wave generator.
Electrical generator.
Electrical impulse generator.
Gas and steam generator.
Gas generator.
Heat generator.
High potential generator.
Magneto generator.
Oil-gas generator.
Oscillation generator.
Ozone generator.
Power generator.
Pressure fluid generator.
Smoke generator.
Sound generator.
Steam generator.
Tachometer generator.
Thermoelectric generator.
Turbo-generator.
Wind driven generator
Generator. L. M. Perkins. 1,817,495; Aug. 4.
Generator adjustment. P. R. Sandieson. 1,797,531; Mar. 24.
Generator and circulator for locomotive boilers, Siphon. G. H. Emerson and W. B. Whitsitt. 1,807,473; May 26.
Generator and furnace therefor, Steam. J. J. C. Brand. 1,798,830; Mar. 31.
Generator and lamp, Acetylene. W. F. Hunt and H. C. Stelling. 1,791,595; Feb. 10.
Generator and method of generation, Steam. C. E. Bishop. 1,827,064; Oct. 13.
Generator and method, Oscillation. F. A. Kolster and G. G. Kruesi. 1,828,706; Oct. 20.
Generator armatures, Production of. W. Fendrich, jr. 1,809,197; June 9.
Generator axle drive. M. P. Winther. 1,804,193; May 5.
Generator belts, Prolonging the life of car-lighting-. E. Wanamaker. 1,789,571; Jan. 20.
Generator control. R. P. Lansing. 1,799,853; Apr. 7.
Generator control for battery charging. W. B. Jupp, and F. E. Queeney. 1,834,280; Dec. 1.
Generator-core punching. T. M. Noden. 1,795,882; Mar. 10.
Generator, field control. J. O'Donnell. 1,791,143; Feb. 3.
Generator for motor boats or the like. H. D. Allee. 1,831,835; Nov. 17.
Generator for ovens, Steam. W. F. Petersen. 1,792,465; Feb. 10.
Generator or the like, Steam. W. D. La Mont. 1,815,439; July 21.
Generator or the like, Steam. W. D. La Mont. 1,830,324; Nov. 3.
Generator or water heater, Steam. H. F. Marriott. 1,826,358; Oct. 6.
Generator regulator. J. S. Juergens. 1,817,378; Aug. 4.
Generator tube structure. H. C. Hanson. 1,835,300; Dec. 8.
Generator with modulation frequency, Alternating-current. W. Dornig. 1,799,156; Apr. 7.
Generators, Auxiliary apparatus for steam. A. W. Bruce. 1,811,608; June 23.
Generators, Carbide agitator for acetylene. H. G. Irwin. 1,797,264; Mar. 24.
Generators, Charging-rate control for. A. E. Stuart. 1,795,267; Mar. 3.
Generators, Frequency control for oscillation. A. M. Nicolson. 1,830,329; Nov. 3.
Generators, Hand feed for acetylene. H. G. Irwin. 1,799,589; Apr. 7.
Generators on air-cooled internal combustion engines, Arrangement of the. G. C. Cappa. 1,838,806; Dec. 29.
Generators, Synchronizing system for alternating current. H. T. Seeley. 1,803,147; Apr. 28.
Generators, Water back for steam. J. E. Bell. 1,825,933; Oct. 6.
Geneva intermittent, Adjustable. A. Dina. 1,803,465; May 5.
Geodetic instrument with pendulum arrangement. H. Theis. 1,836,137; Dec. 15.
Geographic station indicator. G. W. Carpenter. 1,837,948; Dec. 22.
Geographical globe, Spherical. P. J. King. 1,808,354; June 2.
Geological explorations. F. Rieber. 1,827,371; Oct. 13.
Geometrical instrument. J. J. Heimrich. 1,797,827; Mar. 24.

Geophysical measurements by means of a rotatable balance, Apparatus for taking. W. P. Jenny. 1,791,413; Feb. 3.
Geophysical method and apparatus. H. C. Hayes. 1,814,444; July 14.
Germicide and insecticide. R. Soule. 1,809,255; June 9.
Germicides, fungicides, etc., for soil sterilization and using the same. M. S. Kharasch. 1,787,581; Jan. 6.
Germs or the components of the germs obtained in the malting house for rendering them suited as human food and for dietetic purposes, Dressing the. C. Massatsch and E. G. Cluss. 1,836,858; Dec. 15.
Gilsonite and making same, Soluble. I. J. Novak. 1,803,637; May 5.
Gimping machine. D. J. Mayer. 1,836,331; Dec. 15.
Gin. J. S. Thurman. 1,803,739; May 5.
Gin, Huller. T. Elliott. 1,823,135; Sept. 15.
Gin pole structure, Portable. G. D. Leister. 1,828,973; Oct. 27.
Gins, Belt distributor for cotton. B. C. Woodford, J. Behle, and J. C. Conrad. 1,799,544; Apr. 7.
Girder, Plate wall. H. Wagner. 1,822,943; Sept. 15.
Girdle. J. Siegel. 1,829,160; Oct. 27.
Girdle supporter. I. Itkowitz and G. Savage. 1,801,161; Apr. 14.
Gland, Grease packed. B. S. Minor. 1,820,577; Aug. 25.
Glare deflector. R. W. Thibodeau. 1,821,733; Sept. 1
Glare diffuser. O. W. Dunlap. 1,793,785; Feb. 24.
Glare eliminating device. E. C. De Vorss and W. F. Lumsden. 1,809,678; June 9.
Glare eliminator. E. A. Feltman and E. C. A. Wickemeyer. 1,804,922; May 12.
Glare eliminator. M. Smith. 1,812,177; June 30.
Glare eliminator for automobiles. G. W. Neilson. 1,791,830; Feb. 10.
Glare guard, Rear. B. S. Tubman. 1,790,333; Jan. 27.
Glare preventer and windshield wiper for automobiles, Combined. R. E. Eaves. 1,836,110; Dec. 15.
Glare shield. J. H. Huffman. 1,794,771; Mar. 3.
Glare shield. L. B. Lewis. 1,815,411; July 21.
Glare shield. F. C. Ryder. 1,807,256; May 26.
Glare shield. W. J. Summerbell. 1,814,500; July 14.
Glare shield attachment for headlights. L. E. Rynearson. 1,816,299; July 28.
Glare shield for automobiles. W. F. Ayersman. 1,791,699; Feb. 10.
Glass: *See*—

Laminated glass.	Reading glass.
Lithographer's glass.	Reenforced glass.
Magnifying glass.	Tail-lamp glass.
Ornamental composite glass.	Window glass.

Glass. C. E. Gould, W. M. Hampton, and H. S. Martin. 1,814,507; July 14.
Glass. W. C. Taylor. 1,815,812; July 21.
Glass and cellulose derivative composition, Manufacture of compound sheets of. W. Johnston. 1,809,276; June 9.
Glass, and compass, Combination pocket burning and magnifying. H. Neuwirth. 1,838,494; Dec. 29.
Glass and making the same, Laminated. W. H. Moss. 1,831,462; Nov. 10.
Glass and the like, Apparatus for surfacing sheets of. I. O. Pedersen and E. G. Stahle. 1,831,634; Nov. 10.
Glass and making the same, Non-shatter. H. A. Gardner. 1,836,914; Dec. 15.
Glass and making the same, Reenforced. J. H. Lewis. 1,837,455; Dec. 22.
Glass and means therefor, Feeding. W. J. Miller. 1,830,849; Nov. 10.
Glass and method of making. M. Meth. 1,789,658; Jan. 20.
Glass and other transparencies and translucencies, Manufacture of colored. B. R. Bayne. 1,813,901; July 14.
Glass and producing the same, Laminated. W. F. Brown. 1,818,458; Aug. 11.
Glass and similar materials, Apparatus for manipulating plate. P. Dryon. 1,792,576; Feb. 17.
Glass and similar substances, Apparatus for melting. H. F. Hitner. Re18,071; May 19.
Glass-annealing leer. K. E. Peiler. 1,790,630; Jan. 27.
Glass, Apparatus and method for making wire. G. Aurien. 1,791,260; Feb. 3.
Glass, Apparatus for and method of feeding molten. G. E. Howard. 1,796,929; Mar. 17.
Glass, Apparatus for feeding molten. K. E. Peiler. 1,828,720; Oct. 20.
Glass, Apparatus for feeding molten. C. H. Rankin. 1,828,443; Oct. 20.
Glass, Apparatus for and method of making wire. E. W. Paxton. 1,809,863; June 16.
Glass, Apparatus for annealing. H. A. Wadman. 1,793,199; Feb. 17.
Glass, Apparatus for cracking off and handling sheet. C. Moxley. 1,792,653; Feb. 17.
Glass, Apparatus for drawing sheet. R. L. Clause. 1,815,288; July 21.
Glass, Apparatus for drawing sheet. W. French. 1,795,943; Mar. 10.
Glass, Apparatus for drawing sheet. H. L. Halbach. 1,811,125; June 23.
Glass, Apparatus for feeding molten. W. T. Barker, jr. 1,816,463; July 28.
Glass, Apparatus for forming and annealing sheet. J. L. Drake. 1,818,208; Aug. 11.
Glass, Apparatus for forming sheet. J. L. Drake. 1,834,942; Dec. 8.
Glass, Apparatus for gathering molten. J. F. Rule and L. D. Soubier. 1,801,457; Apr. 21.
Glass, Apparatus for grinding, smoothing and polishing. C. Hibon. 1,824,347; Sept. 22.
Glass, Apparatus for making. H. F. Hitner. 1,799,371; Apr. 7.
Glass, Apparatus for making. H. F. Hitner. 1,815,977–8; July 28.
Glass, Apparatus for making. H. F. Hitner. 1,827,471–2; Oct. 13.
Glass, Apparatus for making. V. Mulholland. 1,834,631; Dec. 1.
Glass, Apparatus for making composite. W. Owen. 1,806,861; May 26.
Glass, Apparatus for making plate. R. L. Clause. 1,825,853; Oct. 6.
Glass, Apparatus for making plate. J. H. Fox and W. Owen. 1,792,636; Feb. 17.
Glass, Apparatus for making plate. F. Gelstharp. 1,815,972; July 28.
Glass, Apparatus for making plate. A. L. Harrington. 1,838,142; Dec. 29.
Glass, Apparatus for making plate. W. Owen. 1,836,493–4; Dec. 15.
Glass, Apparatus for making sheet. R. C. Conn. 1,827,459; Oct. 13.
Glass, Apparatus for producing sheet. C. Cone and E. A. Rosin. 1,829,738; Nov. 3.
Glass, Apparatus for producing sheet. J. J. Drake. 1,818,202; Aug. 11.
Glass, Apparatus for producing sheet. J. L. Drake. 1,831,622; Nov. 10.
Glass, Apparatus for producing sheet. J. L. Drake and L. C. Mambourg. 1,816,180; July 28.
Glass, Apparatus for producing sheet. L. C. Mambourg. 1,812,599; June 30.
Glass, Apparatus for producing tubular. L. D. Soubier. 1,838,162; Dec. 29.
Glass, Apparatus for rolling. C. Locreille. 1,827,155; Oct. 13.
Glass, Apparatus for sealing laminated. F. H. Bell. 1,823,525; Sept. 15.
Glass, Apparatus for shaping. E. H. Lorenz. 1,800,191; Apr. 7.
Glass, Apparatus for splice laminating. L. Bartelstone. 1,836,785; Dec. 15.
Glass, Apparatus for the manufacture of sheet or plate. W. E. Nobbe. 1,818,154; Aug. 11.
Glass, Apparatus for the manufacture of wire. L. N. Pond. 1,824,366; Sept. 22.
Glass, Apparatus for use in the manufacture of laminated. G. B. Watkins. 1,810,934; June 23.
Glass, Apparatus for working molten. L. D. Soubier. 1,834,478; Dec. 1.
Glass apparatus, Sheet. J. P. Crowley. 1,805,206; May 12.
Glass apparatus, Sheet-. J. L. Drake. 1,796,836; Mar. 17.
Glass apparatus, Sheet. J. L. Drake. 1,828,832; Oct. 27.
Glass apparatus, Sheet. A. E. Evans. 1,802,142; Apr. 21.
Glass apparatus, Sheet. K. Kupferschmid. 1,826,006; Oct. 6.
Glass apparatus, Sheet. L. Mambourg. 1,831,629; Nov. 10.
Glass apparatus, Sheet-. N. Mambourg. 1,788,923; Jan. 13.
Glass apparatus, Sheet. L. Mambourg. 1,810,920; June 23.
Glass apparatus, Sheet. L. Mambourg. 1,818,231; Aug. 11.
Glass apparatus, Sheet. L. C. Mambourg. 1,836,378; Dec. 15.
Glass apparatus, Sheet. I. O. Pedersen. 1,810,927; June 23.
Glass apparatus, Sheet. J. A. Reece. 1,805,260; May 12.
Glass apparatus, Sheet, W. Trinks and J. D. Keller. 1,836,409–11; Dec. 15.
Glass apparatus, Sheet. W. Trinks and J. D. Keller. 1,836,413; Dec. 15.
Glass apparatus, Treating. H. Thomas. 1,818,175; Aug. 11.
Glass article and treating it. G. L. Hockenyos. 1,838,309; Dec. 29.
Glass articles, Apparatus for pressing. E. E. Slick. 1,831,548; Nov. 10.
Glass articles, Bubbled colored. R. Haley. 1,816,045; July 28.
Glass articles, Fitter or shaper for. H. H. Dawson and I. H. Freese. 1,816,280; July 28.
Glass articles, Forming. A. C. Wilcox. 1,787,460; Jan. 6.
Glass articles, Making. W. H. Said. 1,807,103; May 26.
Glass articles, Method of and apparatus for forming. O. C. Noble. 1,798,217; Mar. 31.
Glass articles, Method of and apparatus for treating. J. Bailey. 1,793,893; Feb. 24.
Glass articles, Treating. R. D. Smith. 1,791,066; Feb. 3.
Glass articles, Treating. R. D. Smith. 1,807,017; May 26.
Glass attachment for dial telephones, Magnifying. A. G. Bradford. 1,827,557; Oct. 13.
Glass bar. E. J. Conlan. 1,797,855; Mar. 24.

Glass blanks, Production of plate. J. L. Drake. 1,818,206; Aug. 11.
Glass blowing machine. R. La France. 1,837,164; Dec. 15.
Glass blowing machine. E. H. Lorenz. 1,818,725; Aug. 11.
Glass-blowing machine. J. W. Lynch and E. G. Bridges. 1,788,312; Jan. 6.
Glass bodies, Producing openings, passages and the like in molten or pressed. B. Erber. 1,815,146; July 21.
Glass, Cellulose method of laminating. L. Bartelstone. 1,835,746; Dec. 8.
Glass channel, Window. H. M. Watkins. 1,808,699; June 2.
Glass charges of different colors, Method and apparatus for feeding. E. O. Hiller. 1,828,226; Oct. 20.
Glass cleaner, Sedan-door-. J. J. Strang. 1,796,223; Mar. 10.
Glass, Cutting. P. S. Haselton. 1,805,457; May 12.
Glass cutting apparatus. R. P. Callard, and J. H. Moller. 1,834,143; Dec. 1.
Glass cutting apparatus, Sheet. J. L. Drake. 1,836,365; Dec. 15.
Glass cutting apparatus, Sheet. J. A. Reece. 1,836,393; Dec. 15.
Glass, Cutting sheet. R. P. Callard, and J. H. Moller. 1,834,120; Dec. 1.
Glass, Decorating. A. B. Carter. 1,810,127; June 16.
Glass, Delivering. R. E. Swain. 1,788,037; Jan. 6.
Glass, Delivering charges of molten. M. J. Owens. 1,825,416; Sept. 29.
Glass, Device for handling sheet. L. von Reis. 1,833,240; Nov. 24.
Glass, Drawing. W. J. Woods. 1,829,429; Oct. 27.
Glass drawing apparatus. J. P. Crowley. 1,816,040; July 28.
Glass-drawing apparatus, Sheet-. J. L. Drake. 1,793,784; Feb. 24.
Glass drawing apparatus, Sheet. J. L. Drake. 1,818,205; Aug. 11.
Glass drawing apparatus, Sheet. J. M. Neenan. 1,828,845; Oct. 27.
Glass drawing apparatus, Sheet. J. A. Reece. 1,831,639; Nov. 10.
Glass drawing apparatus, Sheet. J. T. Zellers. 1,801,298; Apr. 21.
Glass drawing apparatus, Sheet. J. T. Zellers. 1,816,036–7; July 28.
Glass drawing machine. H. Zeh. 1,820,930; Sept. 1.
Glass, Drawing sheet. J. L. Drake. 1,816,179; July 28.
Glass, Drawing sheet. A. E. Spinasee. 1,790,774; Feb. 3.
Glass drilling machine. E. H. Hansen. 1,833,898; Dec. 1.
Glass edging machine. J. Capellman. 1,820,778; Aug. 25.
Glass edging machine. C. S. Mayflower. 1,804,263; May 5.
Glass, etc., Apparatus for spraying. J. H. Juers. 1,831,535; Nov. 10.
Glass, etc., Apparatus for spraying. J. H. Juers. 1,835,402; Dec. 8.
Glass fabricating machine. W. J. Miller. 1,835,172; Dec. 8.
Glass feeder. A. R. Bethel. 1,802,072; Apr. 21.
Glass feeder. C. H. Rankin. 1,828,442; Oct. 20.
Glass feeder. L. D. Soubier. 1,810,736; June 16.
Glass feeder. T. Stenhouse. 1,809,794; June 9.
Glass feeder. T. Stenhouse. 1,819,446; Aug. 18.
Glass feeder. T. Stenhouse. 1,832,331; Nov. 17.
Glass, Feeding. A. R. Bethel. 1,792,727; Feb. 17.
Glass feeding apparatus. W. T. Barker, jr. 1,835,553; Dec. 8.
Glass-feeding apparatus. J. F. Rule. 1,792,932; Feb. 17.
Glass feeding apparatus. J. Sylvester. 1,820,508; Aug. 25.
Glass feeding apparatus and method. W. T. Barker. 1,833,479; Nov. 24.
Glass feeding machine. C. W. Pleukharp and H. Raynes. 1,823,062; Sept. 15.
Glass-feeding mechanism. E. S. Greer. 1,790,984; Feb. 3.
Glass-feeding mechanism. T. C. Steimer. 1,788,413; Jan. 13.
Glass, Feeding molten. G. C. Marsh. 1,828,229; Oct. 20.
Glass feeders, Shear mechanism for. A. N. Cramer. 1,806,743; May 26.
Glass filaments, Apparatus for spinning. P. O. E. Friedrich. 1,821,937; Sept. 8.
Glass flowing apparatus, Sheet. L. Mambourg. 1,810,921; June 23.
Glass forming machine. W. M. Crile. 1,836,646; Dec. 15.
Glass forming machine. T. and D. Stenhouse. 1,809,793; June 9.
Glass forming machine, Sheet. C. W. Belden. 1,836,356; Dec. 15.
Glass forming machine, Two table. K. E. Peiler. 1,823,123; Sept. 15.
Glass forming roll. L. Boudin. 1,813,142; July 7.
Glass for radio dials, Magnifying. J. B. Weintraub. 1,837,638; Dec. 22.
Glass from tanks into pots, Transferring molten. J. L. Drake. 1,801,306; Apr. 21.
Glass furnace. T. Coleman, jr. 1,838,530; Dec. 29.
Glass furnace. A. Kadow. 1,815,258; July 21.
Glass-gathering apparatus and method. G. E. Howard. 1,797,206; Mar. 17.
Glass gob disposing means. J. B. Clark. 1,807,336; May 26.
Glass grinding. C. P. Byrnes. 1,815,547; July 21.
Glass grinding and polishing apparatus, Sheet. J. L. Drake and F. Fraser. 1,836,364; Dec. 15.
Glass handling apparatus. R. G. Bacheller. 1,828,213; Oct. 20.
Glass handling apparatus. J. L. Drake. 1,801,305; Apr. 21.
Glass handling apparatus. J. C. Gipe. 1,801,309; Apr. 21.
Glass, Handling sheet. L. von Reis. 1,833,239; Nov. 24.
Glass heater, Window-. A. F. Heinemann and A. Jensen. 1,790,419; Jan. 27.
Glass, Holding means for. C. Osius. 1,793,127; Feb. 17.
Glass in cylindrical form, Method and apparatus for drawing. G. E. Howard. 1,823,543; Sept. 15.
Glass-inspection apparatus, Plate-. G. E. P. Wright. 1,798,573; Mar. 31.
Glass, Installation of corrugated. P. G. Masters. 1,816,439; July 28.
Glass in strip form and apparatus therefor, Production of. E. B. Le Mare. 1,812,537; June 30.
Glass in strip form and apparatus therefor, Production of. E. B. Le Mare. 1,831,015; Nov. 10.
Glass jar. W. R. Sterrett. Des. 85,067; Sept. 8.
Glass, Laminated. J. W. H. Randall. 1,818,159; Aug. 11.
Glass leer. W. A. Morton. Re18,004; Mar. 17.
Glass lens for headlights, Cover. G. A. M. Lamblin-Parent. Des. 84,991–4; Sept. 1.
Glass machine. C. Badger. 1,792,267; Feb. 10.
Glass machines, Apron control. M. L. Begeman and P. F. Gutmann. 1,791,263; Feb. 3.
Glass, Making imitation leaded. K. Warga. 1,800,763; Apr. 14.
Glass, Making sheet. M. L. Begeman. 1,817,055; Aug. 4.
Glass, Making sheet. R. L. Frink. 1,823,357; Sept. 15.
Glass, Making sheet. S. A. Forter. 1,824,474; Sept. 22.
Glass, Making sheet. W. L. Monro, jr. 1,833,119; Nov. 24.
Glass, Making spun. L. Mathieu. 1,796,571; Mar. 17.
Glass, Making the border seal of laminated. R. W. Hackett and A. G. Worrall. 1,829,647; Oct. 27.
Glass, Manufacture of composite. H. J. Mallabar. 1,802,213; Apr. 21.
Glass, Manufacture of reenforced. W. J. Blenko. 1,804,395; May 12.
Glass, Manufacture of sheet. L. P. Forman. 1,830,788; Nov. 10.
Glass, Manufacture of sheet. R. Genenger. 1,838,305; Dec. 29.
Glass, Manufacture of sheet. C. H. Harding. 1,801,079; Apr. 14.
Glass, Manufacturing marbled and multicolored. C. Locreille. 1,832,491; Nov. 17.
Glass melting apparatus. A. L. Harrington. 1,827,469; Oct. 13.
Glass melting apparatus. W. A. Morton. 1,812,975; July 7.
Glass-melting furnace. S. C. Cripe. 1,795,933; Mar. 10.
Glass melting furnace. J. P. Crowley. 1,828,830; Oct. 27.
Glass melting furnace. J. L. Drake. 1,828,833; Oct. 27.
Glass melting furnace, Introducing ingredients into a. N. Mambourg. 1,822,705; Sept. 8.
Glass melting preheater and mixer. G. G. Brockway. 1,815,890; July 28.
Glass, Method and apparatus for drawing, cutting, gripping and conveying sheet plate. C. J. Jordan. 1,814,932; July 14.
Glass, Method and apparatus for drawing sheet. J. C. Blair. 1,836,358; Dec. 15.
Glass, Method and apparatus for drawing sheet. E. T. Ferngren. 1,829,639; Oct. 27.
Glass, Method and apparatus for feeding molten. G. E. Howard. 1,813,742; July 7.
Glass, Method and apparatus for feeding molten. F. E. Jewett. 1,812,534; June 30.
Glass, Method and apparatus for feeding molten. J. R. Keller. 1,805,987; May 19.
Glass, Method and apparatus for feeding molten. K. E. Peiler. 1,828,438; Oct. 20.
Glass, Method and apparatus for feeding molten. L. D. Soubier. 1,789,480; Jan. 20.
Glass, Method and apparatus for flowing sheet. E. T. Ferngren. 1,818,217; Aug. 11.
Glass, Method and apparatus for forming sheet. E. T. Ferngren. 1,829,640; Oct. 27.
Glass, Method and apparatus for forming sheet. W. E. Nobbe. 1,810,980; June 23.
Glass, Method and apparatus for producing. J. L. Drake. 1,818,203; Aug. 11.
Glass, Method and apparatus for producing sheet. J. L. Drake. 1,810,908; June 23.
Glass, Method and apparatus for producing sheet. J. L. Drake and W. E. Nobbe. 1,828,835; Oct. 27.
Glass, Method and apparatus for producing sheet. C. B. Kingsley. 1,829,409; Oct. 27.
Glass, Method and apparatus for producing sheet. J. A. Reece. 1,815,726; July 21.
Glass, Method and apparatus for shaping. R. W. Canfield. 1,811,075; June 23.
Glass, Method and machine for rolling plate. L. von Reis. 1,838,337; Dec. 29.
Glass, Method of and apparatus for drawing. A. E. Spinasse. 1,833,379–82; Nov. 24.
Glass, Method of and apparatus for drawing sheet. W. E. Harding and C. C. Weekley. 1,815,473; July 21.

Glass, Method of and apparatus for feeding molten. W. T. Barker, jr. 1,828,216–17; Oct. 20.
Glass, Method of and apparatus for feeding molten. W. A. Lorenz. 1,828,726; Oct. 20.
Glass, Method of and apparatus for feeding molten. K. E. Peller. 1,791,634–6; Feb. 10.
Glass, Method of and apparatus for rolling sheet. J. A. Reece and W. E. Nobbe. 1,807,873; June 2.
Glass, Method of and apparatus for the manufacture of sheet. A. E. Spinasse. 1,834,656; Dec. 1.
Glass, Methods of and apparatus for making. H. A. Wadman. 1,807,054; May 26.
Glass-mitering machine. G. Simonel and W. H. Johnson. 1,799,129; Mar. 31.
Glass-molding machines, Automatic feeder for. T. De Biase. 1,797,052; Mar. 17.
Glass molding machines, Automatic feeder for. T. De Biase. 1,824,197; Sept. 22.
Glass or a similar material for use in connection with polygraphic apparatus, Manufacturing cylindrical plates of. R. Weide. 1,808,442; June 2.
Glass panel for luminairs. E. Stroud. Des. 85,401–2; Oct. 20.
Glass parisons, Method of and apparatus for transferring. K. E. Peller. 1,826,019; Oct. 6.
Glass plate or article of similar nature. G. S. Dunbar, A. H. Nicholson, and W. O. Barry. Des. 83,315; Feb. 17.
Glass plates and sheets, Device for adjusting the thickness of. Y. Brancart. 1,819,222; Aug. 18.
Glass plates, Making curved composite. J. H. Sherts and J. Willits. 1,815,992; July 28.
Glass, Process and apparatus for forming sheet. C. Cone. 1,831,620; Nov. 10.
Glass, Process and apparatus for forming sheet. J. L. Drake. 1,818,204; Aug. 11.
Glass, Process and apparatus for forming sheet. J. L. Drake. 1,831,623; Nov. 10.
Glass, Process and apparatus for forming sheet. W. E. Nobbe. 1,818,152–3; Aug. 11.
Glass, Process and apparatus for forming sheet or plate. J. L. Drake. 1,814,905; July 14.
Glass, Process and apparatus for making composite. J. H. Fox and H. F. Hitner. 1,806,846; May 26.
Glass, Process and apparatus for making composite. N. J. Penning. 1,819,336; Aug. 18.
Glass, Process and apparatus for making plate. H. K. Hitchcock. 1,833,398; Nov. 24.
Glass, Process and apparatus for producing molten. H. E. Allen. 1,831,619; Nov. 10.
Glass, Process and apparatus for producing sheet. C. Cone. 1,818,195; Aug. 11.
Glass, Process and apparatus for producing sheet. J. L. Drake. 1,818,209; Aug. 11.
Glass, Process and apparatus for producing sheet. J. A. Reece. 1,836,394; Dec. 15.
Glass, Process and machine for rolling raw plate. E. Hilgers. 1,816,374; July 28.
Glass, Process of and apparatus for forming sheet. J. L. Drake. 1,818,207; Aug. 11.
Glass, Process of and apparatus for rolling. A. Brancart. 1,827,138; Oct. 13.
Glass, Process of and apparatus for the manufacture of wire. L. N. Pond, and J. H. Lewis. 1,824,365; Sept. 22.
Glass producing apparatus, Sheet. L. Mambourg. 1,822,704; Sept. 8.
Glass, Producing laminated. J. W. H. Randall. 1,805,259; May 12.
Glass, Producing laminated. G. B. Watkins. 1,799,075; Mar. 31.
Glass, Producing sheet. J. L. Drake. 1,828,834; Oct. 27.
Glass protector. J. B. Kemp. 1,805,584; May 19.
Glass rods, Apparatus for shaping. E. W. Koering. 1,809,854; June 16.
Glass rolling apparatus particularly applicable to the production of continuous glass strips. E. B. Le Mare. 1,822,627; Sept. 8.
Glass rolling apparatus, Sheet. J. L. Drake. 1,822,959; Sept. 15.
Glass rolling machine. R. Genenger. 1,801,733; Apr. 21.
Glass rolling machine, Plate. R. Genenger. 1,833,248; Nov. 24.
Glass, Rolling sheet. J. L. Drake. 1,831,060; Nov. 10.
Glass rolling train. Y. Brancart. 1,819,223; Aug. 18.
Glass seal. H. M. Elsey. 1,816,424; July 28.
Glass, Severing composite. W. Owen. 1,806,862; May 26.
Glass shaping machine. E. H. Lorenz. 1,819,903; Aug. 18.
Glass shaping machine. T. C. Moorshead. 1,802,031; Apr. 21.
Glass shaping machine. T. C. Moorshead. 1,807,857; June 2.
Glass shaping machine. T. C. Moorshead. 1,838,435; Dec. 29.
Glass, Sheet. W. R. Crawford. Des. 84,923; Aug. 25.
Glass, Sheet. C. J. Gundlach. Des. 83,440–1; Feb. 24.
Glass-sheet-drawing apparatus. P. Escole. 1,795,254; Mar. 3.
Glass sheet drawing apparatus. P. Escole. 1,805,329; May 12.
Glass sheets and plates, Process of and apparatus for treating cast. A. Brancart. 1,819,670; Aug. 18.
Glass sheets and plates, Treatment of cast. Y. Brancart. 1,819,221; Aug. 18.
Glass sheets, Apparatus for making. H. L. Halbach. 1,818,130; Aug. 11.
Glass sheets, Apparatus for trimming. W. Owen. 1,798,625; Mar. 31.
Glass sheets, Method of and apparatus for rolling. L. N. Pond. 1,801,689; Apr. 21.
Glass sheets or plates, Drawing. A. E. Spinasse. 1,819,392; Aug. 18.
Glass sheets, System for grinding and polishing. J. L. Drake. 1,819,017; Aug. 18.
Glass-spreading roll. P. J. M. Escole. 1,790,700; Feb. 3.
Glass-stopper machine. M. E. Nagle. 1,797,920; Mar. 24.
Glass, Supplying float for drawing sheets of. J. J. Quertinmont. 1,800,902; Apr. 14.
Glass-supporting means, Operating a sheet-. W. Wildermuth. 1,799,203; Apr. 7.
Glass surfacing apparatus. J. H. Fox. 1,815,971; July 28.
Glass surfacing apparatus, Sheet. J. L. Drake. 1,811,044; June 23.
Glass surfacing apparatus, Sheet. J. E. Landolt. 1,801,314; Apr. 21.
Glass-surfacing apparatus, Sheet-. I. O. Pedersen. 1,788,931; Jan. 13.
Glass surfacing block, Plate. R. A. Miller. 1,836,542; Dec. 15.
Glass surfacing machine. W. H. Marr. 1,813,412; July 7.
Glass-tank furnace. O. Rosenstein. 1,797,590; Mar. 24.
Glass to a rolling apparatus for producing continuous glass strip, Feeding molten. E. B. LeMare, and F. B. Waldron. 1,824,490; Sept. 22.
Glass to leer conveyors, Feeding sheet. M. Fincke. 1,806,590; May 26.
Glass, Treating. Y. Brancart. 1,821,375; Sept. 1.
Glass treatment. H. R. Moulton and E. D. Tillyer. 1,838,781; Dec. 29.
Glass treatment. E. D. Tillyer and H. R. Moulton. 1,809,534; June 9.
Glass trimmer, Floating bulb edge. J. A. Boush. 1,807,619; June 2.
Glass tumbler or article of similar nature. A. H. Nicholson. Des. 84,792; Aug. 4.
Glass ventilator, Sliding. E. R. Classon. 1,797,049; Mar. 17.
Glass working machine. V. L. Ronci. 1,837,373; Dec. 22.
Glass working machinery. G. A. Millar. 1,832,039; Nov. 17.
Glass working machines, Blowing mechanism for. D. E. Gray. 1,833,284; Nov. 24.
Glassware annealing leer. J. R. Hoge. 1,838,143; Dec. 29.
Glassware, Apparatus and method for annealing. H. A. Wadman. 1,809,996; June 16.
Glassware, Apparatus for annealing. V. Mulholland. 1,803,031; Apr. 28.
Glassware, Apparatus for cleaning. V. S. Mackres. 1,826,942; Oct. 13.
Glassware, Apparatus for distributing. J. E. Schroder. 1,835,814; Dec. 8.
Glassware, Apparatus for forming hollow. A. Kadow. 1,792,988; Feb. 17.
Glassware, Apparatus for handling. J. E. Schroder. 1,808,180; June 2.
Glassware, Apparatus for handling. D. B. Westin. Re18,133; July 21.
Glassware, Apparatus for handling. D. B. Westin. 1,835,579; Dec. 8.
Glassware, Apparatus for manufacturing stemmed and footed. V. O. Cornwell. 1,798,308; Mar. 31.
Glassware buck. G. E. Rowe. 1,802,928; Apr. 28.
Glassware forming machine. J. P. Benoit. 1,827,698; Oct. 13.
Glassware forming machine. A. N. Cramer. 1,834,384; Dec. 1.
Glassware-forming machine. J. M. Lynch and E. G. Bridges. 1,787,635; Jan. 6.
Glassware forming machine. J. E. McLaughlin. 1,832,814; Nov. 17.
Glassware forming machine. H. A. Rohrich. 1,821,077; Sept. 1.
Glassware forming machine. L. D. Soubier. 1,835,351; Dec. 8.
Glassware forming machine. L. D. Soubier. 1,838,161; Dec. 29.
Glassware forming machine. J. H. Treece. 1,807,095; May 26.
Glassware forming machines, Distributing head for. R. G. Allen. 1,806,731; May 26.
Glassware having irregular edges, Free-pressing. T. H. Sloan. 1,812,565; June 30.
Glassware, Machine for forming hollow. A. Kadow and T. A. Bragg. 1,832,810; Nov. 17.
Glassware, Manufacture of. P. Arbeit. 1,790,633; Jan. 27.
Glassware, Manufacture of blown. R. W. Canfield. 1,807,566; May 26.
Glassware, Mechanism for manufacturing. W. J. Miller. 1,828,674; Oct. 20.
Glassware, Method and apparatus for blowing hollow. R. W. Canfield. 1,803,001; Apr. 28.
Glassware, Method and apparatus for use in the manufacture of. L. J. Broche. 1,806,445; May 19.
Glassware, Method of and apparatus for annealing. T. Wardley. 1,820,260; Aug. 25.

Glassware, Method of and apparatus for annealing articles of. W. O. Amsler. 1,837,311; Dec. 22.
Glassware, Method of and apparatus for making. R. W. Canfield. 1,835,758; Dec. 8.
Glassware, Pressing. T. H. Sloan. 1,812,564; June 30.
Glassware transfer device. G. E. Rowe. 1,823,574; Sept. 15.
Glass-washing apparatus, Drinking-. R. R. Parry. 1,789,321; Jan. 20.
Glass washing machine. A. G. Worrall. 1,817,332; Aug. 4.
Glass with color wedge for spectacles together with method for manufacturing same, Protective. C. G. Bostrom. 1,805,969; May 19.
Glass wool sheets, Making. P. O. E. Friedrich. 1,804,254; May 5.
Glass-working machine. G. A. Millar. 1,788,926; Jan. 13.
Glass-working machine. G. A. Millar. 1,789,014; Jan. 13.
Glass-working machine. W. J. Woods and D. E. Gray. 1,790,397; Jan. 27.
Glass-working machinery. R. D. Mailey and W. J. Winninghoff. 1,788,954; Jan. 13.
Glass-working machinery. R. D. Mailey and W. J. Winninghoff. 1,789,011; Jan. 13.
Glass-working machinery. G. A. Millar. 1,788,927; Jan. 13.
Glassworking, Method of and apparatus for. K. E. Peiler. 1,791,323; Feb. 3.
Glasses, Making pictorial. H. C. Bethlem. 1,790,531; Jan. 27.
Glazed structure. L. Isgur. 1,835,779; Dec. 8.
Glazed structure. W. G. Kiefer. 1,835,784; Dec. 8.
Glazier's point. J. I. Routledge. 1,828,341; Oct. 20.
Glazier's-point driver. C. J. and J. H. Fancher. 1,797,497; Mar. 24.
Glazier's point machine. C. J. Fancher and R. A. Johnson. 1,806,195; May 19.
Glazing machine. M. Glazer. 1,802,597; Apr. 28.
Glider. E. C. Bauer. 1,810,997; June 23.
Glider. H. E. Kingsley. 1,827,987; Oct. 20.
Glider. D. M. Lillibridge. 1,837,911; Dec. 22.
Glider and support, Combined. A. J. Lehman. Des. 83,327; Feb. 17.
Glider, Mechanical. A. Brown. 1,795,246; Mar. 3.
Glider propulsion device. G. A. Miller. 1,805,834; May 19.
Glider, Water. L. Rohrmann, and W. Meyer. 1,834,424; Dec. 1.
Globe. O. D. Robinson. Des. 85,713; Dec. 8.
Globe. F. C. Winkler. Des. 85,800; Dec. 15.
Globe and electric lamp holding adapter. A. Sadacca. 1,819,125; Aug. 18.
Globe and manufacturing same, Inflatable. G. G. Wheat and P. N. Garrigus. 1,798,644; Mar. 31.
Globe and mounting for same, Collapsible. P. Garrigue. 1,804,829; May 12.
Globe, Collapsible. P. Garrigue. 1,804,828; May 12.
Globe for vending and dispensing devices. F. H. Vogel. Des. 83,708; Mar. 17.
Globe, Illuminating. W. F. M. Hawe. Des. 85,645; Dec. 1.
Globe, Lamp. J. H. Allen. Des. 84,911–13; Aug. 25.
Globe, Lamp. J. H. Allen. Des. 85,728; Dec. 15.
Globe, Lighting-fixture. M. Schaffer. Des. 83,011; Jan. 6.
Globe, Luminous. S. Thies. 1,826,842; Oct. 13.
Globe movable in meridian. R. B. Lawton. 1,822,353; Sept. 8.
Globe support for electric lights. C. L. Fitchet. 1,809,379; June 9.
Globoid worm. N. Trbojevich. 1,792,782; Feb. 17.
Glove. A. C. Ackerman. 1,811,570; June 23.
Glove. C. C. Cecil. 1,822,010; Sept. 8.
Glove. H. Gillaan. 1,807,402; May 26.
Glove. B. F. Raidt. 1,832,838; Nov. 17.
Glove. H. C. Stokes. 1,791,581; Feb. 10.
Glove. J. V. Sullivan. 1,820,847; Aug. 25.
Glove. W. O. Wells. 1,809,877; June 16.
Glove. L. A. Wickman and A. N. Munk. 1,823,307; Sept. 15.
Glove, Baseball. W. P. Whitley. 1,826,851; Oct. 13.
Glove, Boxing. F. Dieterle. 1,792,004; Feb. 10.
Glove, Chipper's. E. Burden. 1,796,319; Mar. 17.
Glove, Faced. H. Gillian. 1,794,167; Feb. 24.
Glove, Handball. E. C. Lindfelt. 1,815,412; July 21.
Glove or mitten of the gauntlet type. H. C. Stokes. 1,791,580; Feb. 10.
Glove, Stingproof baseball. C. A. Barden. 1,797,116; Mar. 17.
Glove stretching device. A. Meehan and E. Gray. 1,807,070; May 26.
Gloves, Apparatus for manufacturing. P. H. Watkins. 1,831,333; Nov. 10.
Glow-discharge device. C. L. Davis. 1,789,219; Jan. 13.
Glue, Abating foaminess in. L. Bradshaw. 1,833,771; Nov. 24.
Glue, and dry base for use in such processes, Making slow setting casein. L. Bradshaw and H. V. Dunham. 1,829,259; Oct. 27.
Glue and dry glue base for use in such processes, Retarding the setting of casein. L. Bradshaw and H. V. Dunham. 1,829,258; Oct. 27.
Glue and making same, Vegetable. I. F. Laucks and G. Davidson. 1,805,773; May 19.
Glue-drying rack, Automatic. C. J. Roberts. 1,799,135; Mar. 31.
Glue, Making vegetable. E. H. Harvey. 1,790,346; Jan. 27.
Glue, Vegetable protein-base. G. H. Osgood. 1,804,640; May 12.
Glue, Waterproof. T. Satow. 1,824,448; Sept. 22.
Glues, Abating foaminess in. L. Bradshaw. 1,833,772; Nov. 24.
Gluing machine. C. S. Price. 1,804,365; May 5.
Gluing machine, Edge-. M. W. Perry. 1,796,764; Mar. 17.
Gluing mechanism. J. Ettl. 1,830,316; Nov. 3.
Glycerine liquors, Treating. T. Schwarz. 1,824,507; Sept. 22.
Glycerine, Production of pure. E. Bernhard and G. Kunze. 1,837,010; Dec. 15.
Goblet or similar article. G. Becker. Des. 85,079; Sept. 15.
Goblet or similar article. E. M. Bottome. Des. 83,388; Feb. 17.
Goblet or similar article. E. M. Bottome. Des. 83,492–4; Mar. 3.
Goblet or similar article. J. C. Kelly. Des. 85,528; Nov. 10.
Goblet or similar article. W. C. McCartney. Des. 85,618; Nov. 24.
Goblet or similar article. L. McQuire. Des. 83,990; Apr. 21.
Goblet or similar article. W. L. Orme. Des. 83,412–13; Feb. 17.
Goblet or similar articles. W. L. Orme. Des. 85,388–9; Oct. 20.
Goblet or similar article. C. Sakier. Des. 83,753; Mar. 24.
Goblets and similar articles, Making. W. E. Kee. 1,817,826; Aug. 4.
Goggle attachment for hats. J. Spoljarich. 1,832,747; Nov. 17.
Goggle lens. L. V. Foster. 1,835,483; Dec. 8.
Goggles. N. M. Baker. 1,807,681; June 2.
Goggles. C. A. Donnelly. 1,806,524; May 19.
Goggles. R. Malcom. 1,799,242; Apr. 7.
Goggles. J. L. Moran and A. J. Lee. 1,800,558; Apr. 14.
Goggles. J. L. Moran and A. J. Lee. 1,805,633; May 19.
Goggles. G. L. Tully. 1,816,752; July 28.
Goggles, Adjusting means for. H. F. Shindel. 1,805,640; May 19.
Goggles, Antiglare. J. F. Woodmansee. 1,801,406; Apr. 21.
Goggles attachment. H. H. Heckman. 1,825,615; Sept. 29.
Goggles for grinding and welding, Combined. A. R. Dobbs. 1,825,386; Sept. 29.
Gold and silver, Apparatus for recovering. S. A. Giles. 1,827,467; Oct. 13.
Gold and silver, Recovering. S. A. Giles. 1,818,846; Aug. 11.
Goldbeating machine. D. Froeschauer and S. Randall. 1,797,136; Mar. 17.
Gold saving apparatus. G. L. Covington. 1,815,548; July 21.
Gold succinimide compound and making the same. W. J. Pope. 1,819,384; Aug. 18.
Golf and other balls, Apparatus for cleaning. J. C. Wilson. 1,793,658; Feb. 24.
Golf bag. F. F. Beaty, L. Elmore, and F. Pope. 1,788,478; Jan. 13.
Golf bag. J. E. Boden and R. T. Orr. 1,811,296; June 23.
Golf bag. T. W. Byrne. 1,818,378; Aug. 11.
Golf bag. J. C. Hall. 1,809,120; June 9.
Golf bag. R. T. Mullins. 1,795,880; Mar. 10.
Golf bag. H. T. Tucker. 1,809,536; June 9.
Golf bag. W. G. Wise. 1,799,835; Apr. 7.
Golf bag and attachment therefor. F. E. Hollins. 1,829,093; Oct. 27.
Golf-bag and the like, Self-supporting. H. T. Johnson. 1,826,216; Oct. 6.
Golf-bag stand. W. Duguid and H. Rolfe. 1,790,092; Jan. 27.
Golf bags, Top ring of. F. J. and W. H. McMonies. 1,838,699; Dec. 29.
Golf ball. C. E. Miller. 1,795,732; Mar. 10.
Golf ball and manufacturing same. J. A. Christle. 1,812,285; June 30.
Golf ball cleaner. A. P. Young. 1,807,023; May 26.
Golf-ball-driving practice apparatus. T. H. MacGeorge. 1,788,803; Jan. 13.
Golf ball ejector. G. W. Waddell. 1,826,641; Oct. 6.
Golf-ball washer. C. Floyd and P. L. Bradford. 1,798,322; Mar. 31.
Golf-ball washer. E. M. Laing. 1,797,000; Mar. 17.
Golf balls and like articles, Device for picking. H. E. Moyses. 1,830,520; Nov. 3.
Golf bowling game. C. R. Schnitman. 1,829,239; Oct. 27.
Golf club. W. J. Hadden. 1,802,507; Apr. 28.
Golf club. C. B. Johnson. 1,829,900; Nov. 3.
Golf club. G. W. Mattern. 1,792,852; Feb. 17.
Golf club. J. W. Morton. 1,835,718; Dec. 8.
Golf club. J. J. Nero. 1,825,244; Sept. 29.
Golf club. M. B. Reach. 1,792,034; Feb. 10.
Golf club, Adjustable. S. Samaras and L. Ravizza. 1,818,359; Aug. 11.
Golf club and home practicing device. J. B. Henderson. 1,817,896; Aug. 14.

Golf club, Device for scraping and cleaning the face of a. H. O. Miller. Des. 84,534; June 30.
Golf club head. W. C. Beach. Des. 85,510; Nov. 10.
Golf club head. U. A. Klin. Des. 84,525; June 30.
Golf-club head. G. W. Sussams. Des. 83,077; Jan. 13.
Golf-club shaft. T. W. Bryant. 1,796,274; Mar. 10.
Golf club shaft and the like. J. Menzies. 1,831,255; Nov. 10.
Golf clubs, Hand positioner for. F. O. Butler. 1,804,316; May 5.
Golf clubs, Head for. W. J. Hadden. 1,818,553; Aug. 11.
Golf-course hazard, Miniature-. A. Fazekas. Des. 83,529; Mar. 3.
Golf course, Indoor table. G. Houzenga. 1,820,618; Aug. 25.
Golf course, Miniature. B. D. Smith. 1,822,244; Sept. 8.
Golf course, Table. J. Kosco. Des. 83,111; Jan. 20.
Golf-course unit, Miniature-. G. Carter. 83,497–510; Mar. 3.
Golf cup. F. E. Kip. 1,829,283; Oct. 27.
Golf game. R. H. Pittler. 1,818,749; Aug. 11.
Golf game. V. L. Tannehill. 1,804,040; May 5.
Golf game board. J. W. Schmermund. Des. 83,178; Jan. 27.
Golf game unit. O. C. Uhl. Des. 83,079; Jan. 13.
Golf hole cup. R. C. Crocker. 1,813,696; July 7.
Golf-practicing device. J. B. Page. 1,790,762; Feb. 3.
Golf practicing device. A. C. Volk. 1,808,390; June 2.
Golf putting device. T. H. Decker. 1,801,266; Apr. 21.
Golf register. J. L. Parsons. 1,798,983; Mar. 31.
Golf table. G. P. Andrus. Des. 84,068; May 5.
Golf tee. D. P. Brokaw. 1,807,377; May 26.
Golf tee. C. F. Cannon, jr. Des. 85,229; Sept. 29.
Golf tee. B. H. B. Krafft. 1,800,647; Apr. 14.
Golf tee. W. V. McCarrier. 1,839,040; Dec. 29.
Golf tee and anchor therefor, Adjustable. M. M. Kruse. 1,803,907; May 5.
Golf tee and manufacturing the same. W. H. McLeod. 1,815,520; July 21.
Golf tee and practice mat. W. E. Carter. 1,810,906; June 23.
Golf tee, Automatic. R. W. Irish. 1,819,896; Aug. 18.
Golf unit. S. Feltyberger. 1,818,700; Aug. 11.
Gong, Pneumatic. R. D. Conklin. 1,831,407; Nov. 10.
Goods, Device for the production of jacquard patterned seamless. G. Nobst and E. Ulbricht. 1,830,712; Nov. 3.
Goods, Double-sided warp. F. Wagner. 1,811,813; June 23.
Goods for transport, Handling of. J. W. H. Barr. 1,797,601; Mar. 24.
Goods from organic dispersions, Producing dipped. P. Klein and F. Gábor. 1,825,738; Oct. 6.
Goods, Mercerization of piece. F. Thies. 1,807,762; June 2.
Goods of any character, Apparatus for drying. W. Opavsky. 1,791,038; Feb. 3.
Goods of rubber or similar material, Manufacture of. E. W. Madge. 1,819,647; Aug. 18.
Goods on straight bar knitting machines, Producing fashioned. P. Lieberknecht. 1,828,935; Oct. 27.
Gopher trap. H. S. Easton. 1,819,546; Aug. 18.
Gopher trap. A. F. Renken. 1,808,006; June 2.
Governing mechanism. W. B. Flanders. 1,799,361; Apr. 7.
Governing mechanism. A. F. Schwendner. 1,791,249; Feb. 3.
Governor. I. M. Crafts. 1,829,507; Oct. 27.
Governor. E. J. Farkas. 1,800,612; Apr. 14.
Governor. G. L. Moyers and E. A. Abraham. 1,788,403; Jan. 13.
Governor. J. S. Myers. 1,814,630; July 14.
Governor. J. H. Robertson. 1,810,401; June 16.
Governor. F. van der Woude. 1,807,052; May 26.
Governor, Automatic. C. C. Essex. 1,820,384; Aug. 25.
Governor, Automatic stop. F. A. Meyer. 1,816,020; July 28.
Governor, Boiler. J. P. Fisher. 1,803,324; May 5.
Governor, Centrifugal. P. Jabas. 1,792,426; Feb. 10.
Governor, Centrifugal. L. W. Waters. 1,787,648; Jan. 6.
Governor, Centrifugal hydraulic speed. L. R. Huff. 1,811,850; June 30.
Governor, Combustion-engine speed. H. S. Stark. 1,788,780; Jan. 13.
Governor, Compensating. J. M. Miller. 1,823,280; Sept. 15.
Governor cut-out switch for electric motors, Safety overload. G. L. Miller and J. Mikulasek. 1,822,304; Sept. 8.
Governor, Emergency. D. F. Warner. 1,810,633; June 16.
Governor, Engine. A. Brandi and C. F. Wagner. 1,822,473; Sept. 8.
Governor, Engine. H. T. Herr. 1,794,518; Mar. 3.
Governor, Engine. E. R. Klemm. 1,817,629; Aug. 4.
Governor, Fluid pressure. J. L. Ray. 1,814,631; July 14.
Governor for automobiles, Electric. H. D. Gumpper. 1,820,272; Aug. 25.
Governor for gas burning heaters. H. W. Partlow. 1,823,122; Sept. 15.
Governor for motor engines, Fine speed. R. Michl. 1,807,698; June 2.
Governor for turbine wheels, Pressure oil. J. Bangerter. 1,825,611; Sept. 29.
Governor, Hydraulic speed. L. R. Huff. 1,791,028; Feb. 3.
Governor loader, Automatic gas. A. G. Ford. 1,809,930; June 16.
Governor, Low water and pressure. P. H. Fleck. 1,821,699; Sept. 1.
Governor mechanism, Centrifugal. J. H. Robertson. 1,810,059; June 16.
Governor, Motor vehicle. F. Wellnitz. 1,801,703; Apr. 21.
Governor, Oil relay. H. A. Cowardin. 1,829,701; Oct. 27.
Governor, Overspeed. K. Sittig. 1,830,891; Nov. 10.
Governor, Pendulum counter. A. C. Mantz. 1,789,368; Jan. 20.
Governor, Pump. C. A. Campbell and J. D. Cartin. 1,830,927–8; Nov. 10.
Governor, Safety overspeed. G. J. Rathbun. 1,788,032; Jan. 6.
Governor, Sensitive fuel. L. W. Browne. 1,805,802; May 19.
Governor, Sewing-machine. P. A. McAbee. 1,791,734; Feb. 10.
Governor switch. H. C. Kramme. 1,799,018; Mar. 31.
Governor, Torque. N. W. Storer. 1,795,905; Mar. 10.
Governor, Variable speed. W. Schmid. 1,824,373; Sept. 22.
Governors, Oil impeller for. H. F. Schmidt. 1,801,370; Apr. 21.
Grab. S. S. Galbraith. 1,796,197; Mar. 10.
Grab. C. Wazlavek. 1,807,266; May 26.
Grab dog and taper, Combination. J. M. Brophy. 1,810,752; June 16.
Grab, Pipe. W. G. Wehr. 1,833,545; Nov. 24.
Grade clamp. H. S. Percival and H. H. Bartlett. 1,832,996; Nov. 24.
Grade crossing construction, Railway. G. R. Burkhardt and C. W. Breed. 1,805,234; May 12.
Grade-crossing signal. H. N. Brandall. 1,797,974; Mar. 24.
Grade gauger. L. M. Deardorf. 1,829,953; Nov. 3.
Grade indicator. L. F. Carter. 1,837,609; Dec. 22.
Grade-finding instrument. C. Gross. 1,798,324; Mar. 31.
Grader. E. E. Bishop. 1,791,345; Feb. 3.
Grader blade. C. G. Moberg. 1,816,389; July 28.
Grader, Combination tractor. J. L. Becker. 1,814,425; July 14.
Grader, Elevating. P. C. Cole. 1,804,399; May 12.
Grader, Elevating. A. E. Gustafson. 1,828,532; Oct. 20.
Grader, Excavating. J. F. Berry. 1,837,753; Dec. 22.
Grader, Land. E. P. Brown. 1,811,490; June 23.
Grader, Leaning wheel. F. E. Arndt. Re18,064; May 5.
Grader, Leaning-wheel road. A. J. and G. W. Monroe. 1,792,438; Feb. 10.
Grader, Potato. J. E. Paulson. 1,828,066; Oct. 20.
Grader, Power adjusted road. O. E. Grigsby. 1,815,252; July 21.
Grader, Rigid frame double cranking motor. F. S. Davis and L. S. Burns. 1,803,099; Apr. 28.
Grader, Road. R. E. Adams. 1,806,568; May 19.
Grader, Road. J. L. Becker. 1,788,043; Jan. 6.
Grader, Road. E. C. Gledhill. 1,834,241; Dec. 1.
Grader, Road. W. J. Schlacks. 1,805,051; May 12.
Grader, Road. G. D. Shaeffer. 1,827,042; Oct. 13.
Grader, Road. L. C. Wood. 1,834,195; Dec. 1.
Grader, Seed. G. C. Leach. 1,813,300; July 7.
Graders, Double reversible moldboard for. C. B. Faverty and W. J. Schlacks. 1,828,711; Oct. 20.
Graders, Loading attachment for. G. Gardner. 1,800,682; Apr. 14.
Graders, Sweeping attachment for road. G. Gardner. 1,806,054; May 19.
Grading and ditching machine. D. L. Beatty. 1,811,662; June 23.
Grading and sorting grading apparatus. M. Bouquet. 1,820,773; Aug. 25.
Grading level. R. C. Newsome. 1,805,004; May 12.
Grading machine. W. H. Ames. 1,833,812; Nov. 24.
Grading machine. L. A. and E. M. Cogswell, A. M. Heard, and F. L. Clarke. 1,820,010; Aug. 25.
Grading machine. J. W. Johnston. 1,806,166; May 19.
Grading machine. J. W. Johnston. 1,835,057; Dec. 8.
Grading machine. F. A. Leib. 1,832,035; Nov. 17.
Grading machine, Leather. D. Parks. 1,788,029; Jan. 6.
Grading machine, Pattern-. R. M. Packard. Re18,032; Apr. 7.
Grain and the like, Apparatus for drying. N. C. Moreira. 1,821,983; Sept. 8.
Grain and the like, Preservation of. R. A. Legendre. 1,802,083; Apr. 21.
Grain, Apparatus for cooling and conditioning. R. Shuyler. 1,816,236; July 28.
Grain, Apparatus for polishing. J. Prokop. 1,818,866; Aug. 11.
Grain cleaner. J. F. Runge. 1,793,018; Feb. 17.
Grain cleaner. H. C. Wallace. 1,818,367; Aug. 11.
Grain cleaning and seed treating apparatus. J. W. and P. M. Hoefling. 1,809,701; June 9.
Grain cutting unit. E. L. Bartels. 1,806,920; May 26.
Grain drill. C. W. Robinson. 1,832,946; Nov. 24.
Grain drill. J. J. Tate. 1,816,062; July 28.
Grain drill, Deep furrow. F. S. Brown. 1,807,827; June 2.
Grain feeder. R. F. Linders. 1,810,773; June 16.
Grain feeding device. J. J. Varusky. 1,813,519; July 7.
Grain, Harvesting and thrashing. T. D. Campbell. 1,823,387; Sept. 15.
Grain header. H. H. Wilkerson. 1,821,861; Sept. 1.
Grain huller. E. McKain. 1,814,398; July 14.
Grain or seed or the like, Apparatus for separating. J. N. Mitchell. 1,824,915; Sept. 29.

Grain purifier. F. M. Farris. 1,799,010; Mar. 31.
Grain retarder. J. Boyle. 1,811,606; June 23.
Grain saver. W. I. Kenison. 1,818,335; Aug. 11.
Grain separating machine. W. T. Pierce. 1,808,863; June 9.
Grain separating mechanism. T. N. Pierson. 1,803,131; Apr. 28.
Grain separator. A. E. Burdett and J. P. Gilligan. 1,800,597; Apr. 14.
Grain separator. W. H. Freeman. 1,796,326; Mar. 17.
Grain shocker. R. C. Livesay. 1,816,438; July 28.
Grain soaking attachment for watering troughs. V. S. Brown. 1,806,585; May 26.
Grain stooking machine. W. Torance. 1,828,754; Oct. 27.
Grain that is being loaded in bulk, Appliance for trimming. F. W. Thompson. 1,809,497; June 9.
Graining machine. L. V. Casto and G. Von Webern. 1,807,963; June 2.
Graining machine. E. W. Hamant and G. Von Webern. 1,836,241; Dec. 15.
Graining machine. G. E. Lang and L. V. Casto. 1,807,991–2; June 2.
Grains, Fermentation and disintegration of the cellular tissue of. E. Rabinowitsch. 1,836,937; Dec. 15.
Gramophone. G. B. King. 1,788,304–5; Jan. 6.
Gramophone. G. B. King. 1,815,777; July 21.
Gramophone-tone-arm joint. A. F. J. Wright. 1,792,957; Feb. 17.
Granite, Making artificial. H. B. Taft. 1,814,012; July 14.
Granular and pulverulent materials, Process and apparatus for continuously separating. J. C. Pearson and F. A. Hitchcock. 1,791,426; Feb. 3.
Granular body and making same. R. L. Seabury. 1,824,795; Sept. 29.
Granular mixtures, Molding. S. M. McAnulty. 1,818,234; Aug. 11.
Granule, Artificially-colored. H. L. Levin. 1,788,625; Jan. 13.
Granules and the article made thereby, Making colored. R. L. Atkinson. 1,792,058; Feb. 10.
Granules, etc., Colored. I. E. Sproat. 1,830,489; Nov. 3.
Grape huller. W. J. Stover. 1,802,225; Apr. 21.
Graphic meter. T. S. Perkins. 1,792,319; Feb. 10.
Graphical representations at a distance, Method and apparatus for making. D. Grimes. 1,822,866; Sept. 8.
Graphite, Grinding. G. Hanekop. 1,814,215; July 14.
Graphophone, Automatic. T. W. Small. 1,792,553; Feb. 17.
Grapple. H. C. Barbour and R. H. Zeilman. 1,828,919; Oct. 27.
Grapple. A. A. Munn. 1,831,573; Nov. 10.
Grapple. R. J. Stapf. 1,816,446; July 28.
Grapple, Expanding. E. H. Hazen and G. P. Wellington. 1,814,037; July 14.
Grapple for airplane package transfer apparatus. L. S. Adams. 1,818,956; Aug. 11.
Grapple for storage batteries and the like. H. E. Newton. 1,811,730; June 23.
Grapple, Lifting. F. H. Meyer. 1,807,124; May 26.
Grapple, Material handling. A. D. Canulette. 1,820,118; Aug. 25.
Grappling apparatus. V. G. Ellen. 1,809,622; June 9.
Grappling hook. A. Straka. 1,805,604; May 19.
Grass and the like, Eradication of quack. C. E. Carpenter. 1,803,838; May 5.
Grass and weed burner. W. Benien and E. Gislar. 1,799,035; Mar. 31.
Grass cutter, Electric. S. A. Wallace. 1,799,714; Apr. 7.
Grass destroyer, Quack-. D. Gilbertson. 1,794,607; Mar. 3.
Grass destroyer, Quack. J. N. Watkins. 1,817,450; Aug. 4.
Grass eradicator, Quack. A. Groop. 1,832,546; Nov. 17.
Grass trimmer. L. D. Albertson. 1,810,587; June 16.
Grass trimmer. L. D. Albertson. 1,815,817; July 21.
Grass trimmer. H. W. Biltz. 1,795,421; Mar. 10.
Grass trimmer. H. D. McBride and J. S. Campbell. 1,796,606; Mar. 17.
Grate. T. Goebel. 1,817,484; Aug. 4.
Grate. J. R. Hobbs. 1,795,127; Mar. 3.
Grate. V. J. Snyder. 1,795,902; Mar. 10.
Grate. J. S. Thompson. 1,803,152; Apr. 28.
Grate bar. C. and J. W. Hagedorn. 1,796,868; Mar. 17.
Grate bar. T. A. Jessen. 1,822,034; Sept. 8.
Grate bar. C. H. Waid. 1,800,488; Apr. 14.
Grate, Chain. A. W. Bennis. 1,807,502; May 26.
Grate construction. R. B. Parker. 1,818,744; Aug. 11.
Grate, Dumping. J. R. Forbes. 1,833,780; Nov. 24.
Grate, Extension. C. E. Harrison. 1,798,019; Mar. 24.
Grate for boiler and heating plants, Rotary. C. J. Sandoe. 1,801,694; Apr. 21.
Grate for ovens, Ash-removing. M. Landeck. 1,798,474; Mar. 31.
Grate for stoves, Removable. H. Herrenbruck. 1,791,813; Feb. 10.
Grate, Fuel. F. A. Austin. 1,825,040; Sept. 29.
Grate, Furnace. E. B. Priebe, and D. P. Miner. 1,833,952; Dec. 1.
Grate, Heater. G. Borgeson. 1,794,056; Feb. 24.
Grate, Incinerator. H. Ginnel. 1,807,064; May 26.
Grate making apparatus. W. A. Bates. 1,838,732; Dec 29.
Grate, Sawdust furnace. W. R. Thomas. 1,831,048; Nov. 10.
Grate shaking and dumping device. J. Murchie. 1,808,002; June 2.
Grate shaking and dumping device. O. P. Nystrom. 1,808,004; June 2.
Grate-shaking device. H. Drews. 1,797,078; Mar. 17.
Grate, Stove. A. G. Sherman. 1,832,142; Nov. 17.
Grate structure. J. B. Bleweft. 1,820,932; Sept. 1.
Grate structure. J. G. Gibson. 1,803,327; May 5.
Grate support. G. B. Ashworth. 1,805,477; May 19.
Grater, Vegetable. H. Epstein. 1,799,963; Apr. 7.
Grater, Vegetable. L. C. Notbohm. 1,814,844; July 14.
Grating. E. W. Utzler. 1,799,658; Apr. 7.
Grating and frame therefor. M. G. Werme. 1,807,718; June 2.
Grating, Protected. A. W. Greenley. 1,803,272; Apr. 28.
Grating, Protective. S. B. Hess. 1,812,293; June 30.
Grating structure, Continuous. P. L. Price. 1,817,463; Aug. 4.
Gratings by electric welding, Apparatus for the production of wire. V. Dobrick. 1,801,805; Apr. 21.
Grates, Cooling chain. B. H. Miller and R. M. Given. 1,798,747; Mar. 31.
Grave marker. J. J. Reinhold. Des. 85,886; Dec. 29.
Grave-vault handle. R. E. Smith. Des. 83,649; Mar. 10.
Gravel, Color coating. P. R. Schreurs. 1,838,287; Dec. 29.
Gravel or the like, Method and apparatus for cleaning. G. B. Bebout. 1,812,280; June 30.
Gravel spreader. W. G. Smith. 1,807,447; May 26.
Gravel well screen. T. B. Minyard. 1,839,044; Dec. 29.
Gravitometer for gases, Recording. D. A. Sillers, H. W. Price, and J. W. Bartlett. 1,824,305; Sept. 22.
Gravity at sea, Apparatus for determining the force of. H. C. Hayes. 1,792,013; Feb. 10.
Gravity-determining device. R. Hamer. 1,796,150; Mar. 10.
Gravity indicator or recorder, Specific. J. L. Hodgson. 1,838,399; Dec. 29.
Gravity return system. R. B. Hobson. 1,800,527; Apr. 14.
Gravity separating, Quality. F. D. Chapman. 1,835,634; Dec. 8.
Gravity variations, Method and apparatus for determining. H. C. Hayes. 1,787,536; Jan. 6.
Gray cast iron. P. D. Merica, J. S. Vanick, and T. H. Wickenden. 1,803,480; May 5.
Grease can coupling. C. G. Butler. 1,816,567; July 28.
Grease cup. Z. L. Card. 1,806,446; May 19.
Grease cup. J. F. MacIndoe. 1,793,108; Feb. 17.
Grease cup. O. V. Schauer and A. G. Daellenbach. 1,836,042; Dec. 15.
Grease cup, Reservoir. J. Gits. 1,802,051; Apr. 21.
Grease dispenser. O. Tervo. 1,834,321; Dec. 1.
Grease feeder. W. L. Morris. Re18,123; July 7.
Grease feeder. W. L. Morris. Re18,278; Dec. 8.
Grease feeder. W. L. Morris. 1,816,022; July 28.
Grease gun. V. A. Boker. 1,801,069; Apr. 14.
Grease gun. W. A. Chapman. Re17,974; Feb. 17.
Grease gun. E. H. Dammeyer. 1,829,789; Nov. 3.
Grease gun. G. W. Gille and C. G. Wilson. 1,834,698; Dec. 1.
Grease gun. C. F. Goddard. 1,787,783; Jan. 6.
Grease gun. R. J. Gray. 1,790,914; Feb. 3.
Grease gun. P. Gresser. 1,818,539; Aug. 11.
Grease gun. M. B. Linton. 1,833,528; Nov. 24.
Grease gun. R. Rapellin. 1,810,426; June 16.
Grease gun. E. P. Seghers. 1,789,536; Jan. 20.
Grease gun control mechanism. H. Albertine. 1,812,643; June 30.
Grease-gun coupling. C. G. Butler. 1,796,827; Mar. 17.
Grease-gun coupling. C. G. Butler. 1,799,279; Apr. 7.
Grease gun coupling. C. G. Butler. 1,825,939; Oct. 6.
Grease, gun, High power pedal operated. H. Albertine. 1,804,731; May 12.
Grease gun, High pressure. V. A. Boker. 1,803,312; May 5.
Grease gun or the like. B. J. Mahoney. 1,807,421; May 26.
Grease meter. A. J. Granberg. 1,836,238; Dec. 15.
Grease service rack. L. L. Gray. 1,810,826; June 16.
Grease, Slushing. A. H. Bransky. 1,795,993; Mar. 10.
Grease trap. E. W. N. Boosey. 1,801,262; Apr. 21.
Greasing apparatus, Pressure. J. W. Woodruff. 1,804,582; May 12.
Greasing device. E. V. Schultz. 1,787,999; Jan. 6.
Greasing device for animals. W. Morris. 1,837,571; Dec. 22.
Greasing device for outboard motors. V. J. Shack. 1,801,644; Apr. 21.
Greasing, lifting and rocking machine. A. W. Dainos. 1,808,596; June 2.
Greasing mechanism. J. T. Robinson. 1,820,251; Aug. 25.
Greasing rack, Automobile. S. C. Swindle. 1,833,979; Dec. 1.
Greenhouse bench. P. L. McKee. 1,809,055; June 9.
Greenhouse table. J. E. Gloekler. 1,833,676; Nov. 24.
Greenhouse ventilator. P. L. McKee. 1,838,184; Dec. 29.
Greensand, Treating. A. Lambert. 1,797,002; Mar. 17.
Green shades on materials made of or containing cellulose esters or ethers, Production of. A. Davidson. 1,836,155; Dec. 15.
Grid bias battery. W. E. Brindley. 1,801,843; Apr. 21.

Grid casting machine. A. D. Lund. 1,811,143; June 23.
Grid making machine. J. Flaws, jr. 1,838,819; Dec. 29.
Grid making machine. C. R. Schenk and S. W. Crowley. 1,814,770; July 14.
Grid, Resistance. E. Stranszky. 1,833.761; Nov. 24.
Grid winding machine. R. Brindle, jr. 1,807,892; June 2.
Grid winding machine, Automatic. J. Kirby. 1,835,114; Dec. 8.
Grids, Protecting storage battery. F. E. E. Booss and R. N. Chamberlain. 1,826,724; Oct. 13.
Grill for a radiator cabinet or similar article. H. Rodstein and I. Nathanson. Des. 84,548; June 30.
Grill or similar article, Electrical. A. A. Gratz. Des. 83,324; Feb. 17.
Grille. E. Russell. Des. 85,600; Nov. 17.
Grille, Door. M. Carter. Des. 83,894; Apr. 14.
Grille or screen for automobile radiators. L. B. Green. 1,820,614; Aug. 25.
Grille panel construction. O. K. Schneider. 1,822,909; Sept. 15.
Grille, Screen door. H. J. Lebherz. 1,814,317; July 14.
Grilling, toasting, and the like, Appliance for. F. Adami. 1,817,118; Aug. 4.
Grindstones, Device for surfacing. K. Jung. 1,827,659; Oct. 13.
Grinder. P. T. Lennon. 1,836,807; Dec. 15.
Grinder. R. Prater. 1,815,326; July 21.
Grinder. J. W. Smith. 1,815.014; July 14.
Grinder. E. L. Webb. 1,811,069; June 23.
Grinder and ensilage cutting machine, Built in. C. W. Eyres. 1,807,975; June 2.
Grinder and the like, Gear. O. Garrison. 1,823,734; Sept. 15.
Grinder, Brake drum. A. P. Steiner. 1,830,723; Nov. 3.
Grinder, Brake shoe. C. A. Bankhead. 1,830,868; Nov. 10.
Grinder, Centerless. C. Booth. 1,803,165; Apr. 28.
Grinder, Centerless. J. E. Caster and L. F. Nenninger. 1,791,713; Feb. 10.
Grinder, Combination feed. L. E. Larson. 1,801,929; Apr. 21.
Grinder, External center. C. T. Raule. 1,820,029; Aug. 25.
Grinder, Feed. R. B. Elderkin. 1,789,583; Jan. 20.
Grinder, Feed. E. R. Hobbs and A. V. Stombaugh. 1,828,143; Oct. 20.
Grinder, Lawn mower. V. L. Calhoun. 1,820,777; Aug. 25.
Grinder, Lawn-mower. H. H. Hardinge. 1,790,471; Jan. 27.
Grinder, Log bar. J. E. Caster. 1,814,367; July 14.
Grinder, Meat. H. L. Johnston. 1,807,574; May 26.
Grinder, Portable. R. E. Hollett. Des. 83,161; Jan. 27.
Grinder, Portable cylinder. M. N. Prange. 1,797,837; Mar. 24.
Grinder, Swing. F. W. and W. A. Marschke. 1,800,307; Apr. 14.
Grinder, Valve. C. Booth. 1,814,364; July 14.
Grinder, Valve. C. Booth. 1,816,171; July 28.
Grinder, Valve. P. O. Eckels. 1,793,308; Feb. 17.
Grinder, Valve. F. W. Miller. 1,808,856; June 9.
Grinder, Valve. J. Orawiec. 1,790,071; Jan. 27.
Grinder, Valve. D. T. Penman. 1,799,119; Mar. 31.
Grinder, Valve seat. W. Barber. 1,819.453; Aug. 18.
Grinder, Valve seat. J. E. Whitmill. 1,820,368; Aug. 25.
Grinder, Worm and tap. E. Buckingham. 1,798.832; Mar. 31.
Grinders, Adjusting device for cylinder. F. M. Kern. 1,811,943; June 30.
Grinders, Automatic feeder for centerless. J. M. Koch. 1,804,422; May 12.
Grinders, Control for internal. C. T. Raule. 1,799.763; Apr. 7.
Grinders, Sanitary cover ring for meat. J. A. Kubis. 1,803,261; Apr. 28.
Grinding. G. W. Binns. Re18,103; June 16.
Grinding. E. Kramer. 1,793,098; Feb. 17.
Grinding. A. L. Nelson. 1,818,084; Aug. 11.
Grinding and mixing pan. W. E. McMurray. 1,806,077; May 19.
Grinding and polishing device, Portable. E. S. Erickson. 1,829,440; Oct. 27.
Grinding and polishing machine. T. F. Philippi. 1,788,249; Jan. 6.
Grinding and resurfacing device, Portable. W. P. Meissner. 1,823,371; Sept. 15.
Grinding apparatus. W. N. Appleton. 1,828,212; Oct. 20.
Grinding apparatus. G. I. Theile. 1,788,783; Jan. 13.
Grinding, Apparatus for. G. T. Huxford and F. E. Stratton. 1,831,353; Nov. 10.
Grinding, Apparatus for. D. C. Page. 1,816,090; July 28.
Grinding attachment for milling machines. G. C. Reid. 1.832.997; Nov. 24.
Grinding ball. W. F. Clements. 1,823,351; Sept. 15.
Grinding, Centerless. G. W. Sinns, W. D. Archea, and L. F. Nenninger. 1,804,197; May 5.
Grinding fixture for thread cutting chasers. A. F. Breitenstein. 1,830,189; Nov. 3.
Grinding head or attachment. F. R. Moore. 1,825,883; Oct. 6.
Grinding machine. W. Arter and W. F. Fraser. 1,812,313; June 30.
Grinding machine. H. H. Asbridge. 1,794,271; Feb. 24.
Grinding machine. W. J. Baumberger. 1,828,384; Oct. 20.
Grinding machine. A. G. Belden and C. G. Trefethen. 1,806,664; May 26.
Grinding machine. A. J. Berg. 1,790,651; Feb. 3.
Grinding machine. C. Booth. 1,806,886; May 26.
Grinding machine. C. Booth. 1,828,387; Oct. 20.
Grinding machine. J. E. Caster. 1,791,442; Feb. 3.
Grinding machine. J. Cook, J. C. Spence, and R. A. Cole. 1,808,401; June 2.
Grinding machine. G. A. De Vlieg. 1,796.189; Mar. 10.
Grinding machine. V. E. Flodin. 1,835,291; Dec. 8.
Grinding machine. H. Ford. 1,797,857; Mar. 24.
Grinding machine. W. F. Fraser. 1,820,735; Aug. 25.
Grinding machine. W. J. Guild. 1,804,414; May 12.
Grinding machine. W. J. Guild. 1,812.003; June 30.
Grinding machine. W. J. Guild. 1,826,070; Oct. 6.
Grinding machine. W. J. Guild and A. P. Burns. 1,830,358; Nov. 3.
Grinding machine. W. J. Guild, R. A. Quimby, and F. D. Gibs. 1,819,091; Aug. 18.
Grinding machine. R. N. Heald. 1,819.094; Aug. 18.
Grinding machine. R. N. Heald and W. J. Guild. 1,816,082; July 28.
Grinding machine. J. H. Helms. 1,835,045; Dec. 8.
Grinding machine. C. W. Hopkins. 1,822,348; Sept. 8.
Grinding machine. C. W. Hopkins. 1,825,797; Oct. 6.
Grinding machine. J. Hüser. 1,809,414; June 9.
Grinding machine. G. V. Johnston. 1,834,158; Dec. 1.
Grinding machine. H. E. Kempton and K. F. Gallimore. 1,826,178; Oct. 6.
Grinding machine. E. Ley. 1,827,688; Oct. 13.
Grinding machine. C. H. Lyne. 1,799,109; Mar. 31.
Grinding machine. A. H. Lyon and H. T. R. Hanitz. 1,836,482; Dec. 15.
Grinding machine. M. I. Mathewson. 1,790,550; Jan. 27.
Grinding machine. M. I. Mathewson and A. Brown. 1,812,444; June 30.
Grinding machine. R. Mershon. 1,794,975; Mar. 3.
Grinding machine. H. G. Miller. 1,789,490; Jan. 20.
Grinding machine. C. H. Norton. 1,790,245; Jan. 27.
Grinding machine. C. H. Norton. 1,802,389; Apr. 28.
Grinding machine. C. H. Norton. 1,803,807; May 5.
Grinding machine. W. Peaslee. 1,835,668; Dec. 8.
Grinding machine. R. F. Peters and G. L. Davis. 1,800,102; Apr. 7.
Grinding machine. J. E. Peterson. 1,831,970; Nov. 17.
Grinding machine. J. C. and R. D. Shaw. 1,796,125; Mar. 10.
Grinding machine. T. C. Sheehan. 1,838,196; Dec. 29.
Grinding machine. O. Sheppard, jr. 1,803,148; Apr. 28.
Grinding machine. C. C. Stevens. 1,817,953; Aug. 11.
Grinding machine. E. M. Taylor. 1,805,056; May 12.
Grinding machine. H. E. Townsend. 1,803,492; May 5.
Grinding machine. E. A. Walker. 1,818,288; Aug. 11.
Grinding machine. R. Webster. 1,802,798; Apr. 28.
Grinding machine. H. H. Yerk and W. J. Baumberger. 1,799,461; Apr. 7.
Grinding machine, Centerless. S. Einstein. 1,814,209; July 14.
Grinding machine, Color-. G. A. Vasel. 1,788,964; Jan. 13.
Grinding machine, Crank. A. P. Steiner, P. Stoner, and C. P. Harrison. 1,816,750; July 28.
Grinding machine for grinding out bores accurately, Interior. K. Jung. 1,822,222; Sept. 8.
Grinding machine, Internal. A. M. Drake. 1,832,104; Nov. 17.
Grinding machine, Glass. H. Ford. 1,803,752; May 5.
Grinding machine, Metal ball. J. J. McIntyre. 1,805,878; May 19.
Grinding machine or the like, Mulfiple-spindle. W. L. Bryant. 1,794,440; Mar. 3.
Grinding machine, Portable. W. J. Irwin. 1,831,863; Nov. 17.
Grinding machine, Rag. E. Langer. 1,811,549; June 23.
Grinding machine, Rib. J. Behle. 1,819,353; Aug. 18.
Grinding machine, Roll. H. R. Williams. 1,831,085; Nov. 10.
Grinding machine, Speed control device for. A. G. Belden and G. C. Naromore. 1,811,873; June 30.
Grinding machine, Tool. K. Metzler. 1,815,112; July 21.
Grinding machine, Transportable. W. Rinau. 1,798,224; Mar. 31.
Grinding machinery. C. Booth. 1,814,361; July 14.
Grinding machinery. C. Booth. 1,814,363; July 14.
Grinding machinery. C. Booth. 1,814,365; July 14.
Grinding machinery. C. Booth. 1,816,170; July 28.
Grinding machinery. J. E. Caster. 1,814,431; July 14.
Grinding machinery. J. E. Caster. 1,822,337; Sept. 8.
Grinding machinery. G. E. Merryweather. 1,813,503; July 7.
Grinding machinery. F. J. Theler. 1,814,350–1; July 14.
Grinding machinery, Centerless. C. Booth. 1,814,362; July 14.
Grinding machines and the like, Fluid pressure controlling and reversing mechanism for. A. M. Drake and R. D. Hubbell. 1,832,365; Nov. 17.
Grinding machines, Automatic discharge device for. J. M. Koch. 1,824,159; Sept. 22.
Grinding machines, Backing off mechanism for. H. M. Allison. 1,835,687; Dec. 8.
Grinding machines, Backing off mechanism for. E. A. Walker and H. M. Allison. 1,835,733; Dec. 8.

Grinding machines, Centerless. H. W. Holmes. 1,837,821; Dec. 22.
Grinding machines, Feed mechanism for. C. E. Van Norman. 1,788,475; Jan. 13.
Grinding machines, Feed mechanism for bar and tube. A. J. Koon. 1,790,668; Feb. 3.
Grinding machines, Fluid pressure actuated. F. E. Stratton. Re. 18,149; Aug. 11.
Grinding machines, Mutual counterbalancing of tool holders of. L. Sichel. 1,839,002; Dec. 29.
Grinding machines, Sharpening mechanism for. R. E. Read. 1,803,487; May 5.
Grinding machines, Work head for. G. E. Garno and E. A. Engstrom. 1,823,893; Sept. 22.
Grinding machines, Work rest for bar and tube. A. J. Koon. 1,790,669; Feb. 3.
Grinding machines, Work size mechanism for. R. A. Cole. 1,815,049; July 21.
Grinding machines, Work supporting mechanism for. W. F. Fraser. 1,828,530; Oct. 20.
Grinding machines, Work supporting mechanism for. H. A. Silven and A. G. Belden. 1,837,342; Dec. 22.
Grinding material. G. A. Witte. 1,803,821; May 5.
Grinding method and apparatus. G. H. Carnahan. 1,807,383; May 26.
Grinding, Method of and machine for. G. A. De Vlieg. 1,789,544; Jan. 20.
Grinding mill. J. S. Fasting. 1,822,436; Sept. 8.
Grinding mill. H. Hardinge. 1,831,625; Nov. 10.
Grinding mill. R. S. Iglehart. 1,792,841; Feb. 17.
Grinding mill. R. S. Iglehart. 1,827,986; Oct. 20.
Grinding mill. J. R. Kueneman. 1,787,788; Jan. 6.
Grinding mill. E. C. Lesche. 1,832,403; Nov. 17.
Grinding mill. N. Nelson. 1,799,435; Apr. 7.
Grinding mill. V. Sahmel. 1,813,086; July 7.
Grinding mill. M. Treschow. 1,831,049; Nov. 10.
Grinding mill, Compartment tube. J. V. Durnin. 1,787,897; Jan. 6.
Grinding mill, Single-roll. A. E. G. MacCallum. 1,794,236; Feb. 24.
Grinding or honing device, Rotatable. A. M. Johnson. 1,832,635; Nov. 17.
Grinding, Oval. A. L. Nelson. 1,818,085; Aug. 11.
Grinding, smoothing, and polishing apparatus, Table feed mechanism for. S. Werotte. 1,830,895; Nov. 10.
Grinding wheel. A. P. Beebe. 1,812,076; June 30.
Grinding wheel. T. Larsson and H. W. H. Beth. 1,815,108; July 21.
Grinding wheel. F. J. Tone. 1,795,354; Mar. 10.
Grinding wheel. G. E. Vance. 1,826,907; Oct. 13.
Grinding wheel and making the same, Segmental. H. W. H. Beth. 1,806,665; May 26.
Grinding wheels, Mechanism for truing and dressing. F. J. Hohnhorst. 1,831,913; Nov. 17.
Grinding wheels, Method of and apparatus for trimming. J. Wilberz. 1,822,073; Sept. 8.
Grip and hook, Hog. C. H. Pladson. 1,822,822; Sept. 8.
Grip, Automobile hand. R. Broder. 1,822,881; Sept. 15.
Grip, Hand. B. J. Blue. 1,830,221; Nov. 3.
Grip, Heat insulating hand. G. O. Lory. 1,806,479; May 19.
Grip. L. E. Hornbeck. 1,838,400; Dec. 29.
Grip mechanism, Rotatable. A. H. Nisbet. 1,834,724; Dec. 1.
Grip testing machine. G. M. Ramsey. 1,813,816; July 7.
Gripper for tuft weaving. C. Alvord. 1,829,327; Oct. 27.
Gripper mechanism. C. L. Moyer. 1,808,783; June 9.
Gripper mechanism, Fore. W. Kolmer and E. Wirschinger. 1,806,856; May 26.
Gripper rest and clamping bar. O. W. Hammerquist. 1,790,917; Feb. 3.
Gripping and shock absorbing equipment for railway tracks. J. G. Mueller. 1,834,104; Dec. 1.
Gripping and work-positioning means, Fluid actuated. O. Onsrud. 1,822,501; Sept. 8.
Gripping device. O. Johnson. 1,793,856; Feb. 24.
Gripping device. E. Wildhaber. 1,813,372; July 7.
Gripping device, Expansile and contractile. V. Kellems. 1,802,657; Apr. 28.
Gripping device for praline and like wrapping machines. O. Lauenstein. 1,817,695; Aug. 4.
Gripping dog. J. E. Ott. 1,809,566; June 9.
Gripping machine. T. Patterson. 1,796,763; Mar. 17.
Gripping mechanism, Automatic. G. D. Gardner. 1,802,973; Apr. 28.
Grit in the paths of automobile drive wheels, Spreading. J. R. Schopp. 1,789,600; Jan. 20.
Grizzly and screen for grading materials. W. Ross. 1,823,126; Sept. 15.
Grizzly, Self-cleaning, nonclogging, traveling. J. Lien. 1,791,365; Feb. 3.
Grizzly, Self-cleaning, non-clogging traveling. J. Lien. 1,822,739; Sept. 8.
Grommet. E. F. Webb. 1,800,578; Apr. 14.
Grommet setting device. L. R. Wilder. 1,838,973; Dec. 29.
Grooving machine. A. T. Butkey. 1,806,235; May 19.
Grooving machine. L. R. Williams. 1,823,774; Sept. 15.
Grooving machine, Stump-. J. M. Herider. 1,800,181; Apr. 7.
Grooves in phonograph records, Device for cutting. C. H. Will. 1,801,404; Apr. 21.
Grooves in shoe heels, Machine for cutting. G. A. Vicherd. 1,821,594; Sept. 1.
Ground anchor and like anchoring device. E. C. Carver. 1,808,633; June 2.
Ground and similar masses, Solidifying layers of. C. Zemlin. 1,820,722; Aug. 25.
Ground clamp. E. L. Klingel. 1,830,947; Nov. 10.
Ground clamp. E. J. Noble. 1,830,331; Nov. 3.
Ground connecter. G. E. Andre. 1,809,009; June 9.
Ground connecter. E. J. Noble. 1,813,417; July 7.
Ground connection. W. Goetzelman. 1,823,139; Sept. 15.
Ground, Covering cultivated. O. Weber. 1,810,262; June 16.
Ground cultivating machine. F. V. Donald. 1,811,175; June 23.
Ground fitting, Adjustable. H. E. Zogg. 1,802,624; Apr. 28.
Grounding clamp. H. K. Caldwell. 1,805,804; May 19.
Grounding fitting for electric systems. P. N. Dann. 1,793,911; Feb. 24.
Grouser, Renewable. J. Edstedt. 1,832,926; Nov. 24.
Guanidines, Producing substituted. H. Schotte. 1,795,738; Mar. 10.
Guanidines, Producing substituted. E. Tschunkur and H. Meis. 1,794,875; Mar. 3.
Guard. W. S. Freeburg. 1,830,508; Nov. 3.
Guard. F. Klopp. 1,828,050; Oct. 20.
Guard, Adjustable road. S. M. McCurdy. 1,798,548; Mar. 31.
Guard and antiskid device, Combined safety. W. Tait. 1,823,070; Sept. 15.
Guard and hanger, Pulley. B. L. Polkosnik. 1,820,322; Aug. 25.
Guard and tile for forming the same, Splash. L. M. Sternbergh. 1,807,107; May 26.
Guard apron, Wheel. G. W. Hall. 1,830,940; Nov. 10.
Guard, Athletic. W. E. Bischoff. 1,812,579; June 30.
Guard attachment for wringers. W. F. Johnson. 1,830,109; Nov. 3.
Guard, Band saw. E. Andre. 1,811,906; June 30.
Guard, Burner. L. Merz. 1,831,362; Nov. 10.
Guard, Cattle. A. L. Jones. 1,816,807; July 28.
Guard, Cattle. C. Osako. 1,807,130; May 26.
Guard, Colter. H. C. Allen. 1,791,258; Feb. 3.
Guard device for wood shapers. R. A. Shaw. 1,812,452; June 30.
Guard, Dust. W. F. Cremean. 1,838,661; Dec. 29.
Guard, Dust. W. N. Thornburgh. 1,837,379; Dec. 22.
Guard, Fire hydrant. J. J. Cahill and G. R. Cargill. 1,814,664; July 14.
Guard for adzes. H. O. Swann. 1,809,319; June 9.
Guard for automobile fenders. M. Schaffer. 1,794,122; Feb. 24.
Guard for automobile fenders, Splash. M. and L. Zaiger. 1,800,273; Apr. 14.
Guard for automobile radiators, Ornamental. K. C. Berger. 1,810,748; June 16.
Guard for automobile rear fenders, Splash. F. A. Calkins. 1,821,690; Sept. 1.
Guard for automobiles, Mud. A. Carton. 1,811,112; June 23.
Guard for cable hooks and the like, Safety. C. V. Koons. 1,816,979; Aug. 4.
Guard for centrifugal extractors, Safety. T. A. Bryson. 1,797,602–3; Mar. 24.
Guard for centrifugal machines, Safety. T. A. Bryson. Re18,254; Nov. 24.
Guard for circular saws. H. G. Drysdale. 1,797,907; Mar. 24.
Guard for conveyors, Paint. H. H. Morgan. 1,812,112; June 30.
Guard for dry cleaning machines or the like, Space. E. B. Gross. 1,815,732; July 21.
Guard for guys and the like. E. St. John. 1,811,869; June 23.
Guard for heel trimming machines, Adjustable shoe heel cover. W. E. Mileham. 1,832,994; Nov. 24.
Guard for ice skates, Toe. C. I. Johnson. 1,832,866; Nov. 24.
Guard for journal boxes, Dust. W. N. Thornburgh. 1,816,704; July 28.
Guard for lawn mower wheels. H. W. Smith. 1,812,499; June 30.
Guard for machines, Safety. M. J. McIntyre. 1,794,469; Mar. 3.
Guard for mowing machines, reapers, harvesters, etc. J. S. Seidel. 1,789,781; Jan. 20.
Guide for paper cutters, Book. J. E. Lee. 1,795,611; Mar. 10.
Guard for planing machines. O Boisvert. 1,801,326; Apr. 21.
Guard for poultry cars. I. V. Edgerton. 1,838,175; Dec. 29.
Guard for presses. C. E. Marshall. 1,810,364; June 16.
Guard for printing press rolls. G. G. MacCafferty. 1,803,066; Apr. 28.
Guard for road vehicles, Flexible. W. B. Fageol. 1,825,344; Sept. 29.
Guard for rotary cultivators, Leaf. J. Mader. 1,822,993; Sept. 15.
Guard for shoe ornamenting devices, Hand. B. W. Freeman. 1,824,987; Sept. 29.
Guard for vehicles, Collision. J. W. Heagney. 1,800,142; Apr. 7.

Guard for windows, Ventilating. T. J. Nelson. 1,800,804; Apr. 14.
Guard for wood heel turning machines. W. J. Shaw. 1,828,089; Oct. 20.
Guard for wood-heel turning machines. W. J. Shaw, and M. E. Bastow. 1,824,375; Sept. 22.
Guard, Fruit. G. D. Bishop. 1,799,497; Apr. 7.
Guard, Gear. N. D. Levin. 1,832,991; Nov. 24.
Guard, Grinding wheel. G. E. Smith. 1,827,270; Oct. 13.
Guard, Highway. J. M. Dodridge. 1,826,998; Oct. 13.
Guard, Knife. H. C. Meyers. 1,838,492; Dec. 29.
Guard, Knife. A. Smiroldo. 1,813,868; July 7.
Guard, Lamp. H. A. Heinel. 1,829,927; Nov. 3.
Guard, Leaf. C. D. Ammon. 1,821,371; Sept. 1.
Guard, Lingerie. J. E. Romig. 1,797,200; Mar. 17.
Guard, Manger. J. B. Olson. 1,819,333; Aug. 18.
Guard, Pick-up. A. D. Braasch, L. McDow, and J. Twells. 1,815,491; July 21.
Guard, Reversible switch point. L. H. Fulton. 1,826,657; Oct. 6.
Guard, Safety-zone. A. G. Siefker. 1,790,602; Jan. 27.
Guard, Sanitary brush. W. W. Ozon. 1,834,726; Dec. 1.
Guard, Shaper. W. Auld. 1,801,256; Apr. 21.
Guard, Shaper. F. J. Potter. 1,823,375; Sept. 15.
Guard, Shaver. J. M. Lucarelle. 1,837,167; Dec. 15.
Guard, Splash. H. Keizer. 1,807,039; May 26.
Guard structure, Highway. L. A. Mayo. 1,789,243; Jan. 13.
Guard, Toggle press. F. H. Kunkel. 1,821,651; Sept. 1.
Guard, Truck wheel. F. T. Everson. 1,832,829; Nov. 17.
Guard, Window. A. T. McWane. Re17,978; Feb. 24.
Guard with covered crank hole, Front splash. H. J. Earl and J. F. Wilson. 1,826,393; Oct. 6.
Guarded cutter. W. Fairchild. 1,817,481; Aug. 4.
Guide. G. A. Reeve. 1,835,898; Dec. 8.
Guide arm, Flush. M. H. Martindell. 1,814,604; July 14.
Guide arm, Flush valve. A. T. Le Tarte. 1,832,714; Nov. 17.
Guide, Band saw. S. Doroghy. 1,828,131; Oct. 20.
Guide bar support for concrete gauges. C. Pilj. 1,838,635; Dec. 29.
Guide, Bow. F. J. Battams. 1,788,700; Jan. 13.
Guide, Conveyer. K. E. Peller. 1,821,664; Seut. 1.
Guide, Drawer. E. Ohnstrand. 1,832,729; Nov. 17.
Guide, Elevator. E. L. Dunn. 1,833,243; Nov. 24.
Guide, Film. A. Dina. 1,828,768; Oct. 27.
Guide for bag filling apparatus. L. H. Dietsch. 1,830,645; Nov. 3.
Guide for bias cutters, Fabric. E. D. Putt. 1,799,620; Apr. 7.
Guide for box-covering machines, Adjustable. J. F. Kachline. 1,800,219; Apr. 14.
Guide for dough molders, Adjustable. W. G. Krichhoff. 1,828,049; Oct. 20.
Guide for lettering. K. O. G. Wetterstrand. 1,821,369; Sept. 1.
Guide for pipe cleaning rods. E. Paul and J. Mantonya. 1,824,924; Sept. 29.
Guide for power reverse gear floating levers. W. H. Shaw. 1,819,795; Aug. 18.
Guide for rolling mills. J. R. George. 1,799,508; Apr. 7.
Guide for sewing machines, Work. C. A. Price. 1,833,855; Nov. 24.
Guide for slidable window screens. H. H. Everhard. 1,809,236; June 9.
Guide for sliding doors, Adjustable. F. L. Fry. 1,793,923; Feb. 24.
Guide for stop motions, Thread. A. Crawford. 1,816,765: July 28.
Guide for strip finishing machines. I. F. Dittmar. 1,819,081; Aug. 18.
Guide for the current supply cable of electric irons. C. Drüppel. 1,812,518; June 30.
Guide for traction chains, Wheel. J. T. Moore. 1,807,926; June 2.
Guide for tractor chains, Wheel. J. T. Moore. 1,830,910; Nov. 10.
Guide, Hose. M. Kakimoto. 1,831,306; Nov. 10.
Guide mechanism for reciprocatory element. F. A. Gerling. 1,831,490; Nov. 10.
Guide, Paper folding control. H. A. W. Wood. 1,831,220; Nov. 10.
Guide, Paper-hanger's straightedge and cutter. E. J. Woerner. 1,835,364; Dec. 8.
Guide, Plow line. D. H. Caison. 1,828,024; Oct. 20.
Guide, Polish rod. B. W. Shankland and A. T. Duncan. 1,837,839; Dec. 2.
Guide, Roll screen. N. Oldham. 1,833,226; Nov. 24.
Guide roller, Antifriction. W. L. Black. 1,827,835; Oct. 20.
Guide, Saw filing. T. W. Roach. 1,833,337-8; Nov. 24.
Guide, Shaving. F. Mason. 1,812,443; June 30.
Guide, Spacer. F. L. G. Straubel. 1,821,245; Sept. 1.
Guide, Sucker rod. H. J. Denney and J. Gaunt. 1,815,461; July 21.
Guide, Sucker rod. F. W. Sutton. 1,801,294; Apr. 21.
Guide, Thread. J. Amon. 1,838,245; Dec. 29.
Guide, Wheel. J. T. Moore. 1,828,375; Oct. 20.
Guide, Window screen. W. C. Ellis. 1,838,085; Dec. 29.
Guider. F. A. Lane. 1,820,980; Sept. 1.
Guitar construction. B. K. Puoina. 1,834,804; Dec. 1.
Guitar player, Mechanical. W. M. Hallbauer. 1,797,609; Mar. 24.
Guitar tone bar. M. F. Morgan. 1,834,252; Dec. 1.
Guitars, Construction of. J. Pastor. 1,804,802; May 12.
Gum and making the same, Chewing. A. Pappadis. 1,807,704; June 2.
Gum and producing, Ester. L. N. Bent and A. C. Johnston. 1,820,265; Aug. 25.
Gum confection, Chewing. R. B. Webster, A. Fagerlie, and I. C. Barager. 1,810,453; June 16.
Gum massaging device. J. A. Maker. 1,818,146; Aug. 11.
Gum-strip-removing device. R. S. Kirk. 1,800,182; Apr. 7
Gun. G. M. Barnes. 1,808,097; June 2.
Gun. R. S. Ellis. 1,787,939; Jan. 6.
Gun. G. M. McCann. 1,808,052; June 2.
Gun and automatic small arm, Gas operated machine. C. A. Larsson and P. R. Higson. 1,811,693; June 23.
Gun attachment. I. Andrews. 1,837,093; Dec. 15.
Gun barrel. J. D. Pedersen. 1,789,835; Jan. 20.
Gun barrels, Apparatus for rifling. J. L. Hatcher. 1,789,308; Jan. 20.
Gun carriage. E. C. Goebert and H. C. Zimmerman. 1,801,423; Apr. 21.
Gun casting rod. W. A. Milam. 1,810,779; June 16.
Gun clamping mechanism, Clay. K. H. McLaurin. 1,822,630; Sept. 8.
Gun, Double-barrel. R. Churchill. 1,835,469; Dec. 8.
Gun fire control system. M. F. Bates. 1,829,181; Oct. 27.
Gun for driving slugs. W. F. Oberhuber. 1,814,766; July 14.
Gun for recording on a target the result of sighting and firing, Automatic. E. A. Bowler. 1,833,820; Nov. 24.
Gun for shooting elastic bands, Repeating. J. R. McFarland. 1,809,208; June 9.
Gun, Grease. R. Rapellin. 1,821,404; Sept. 1.
Gun having a fuse-setting machine, Barrel recoil. H. Schuler and A. Gietmann. 1,789,779; Jan. 20.
Gun holding device. T. J. Zimmerman. 1,837,939; Dec. 22.
Gunlock. B. M. Crawford. 1,792,732; Feb. 17.
Gun, Lubricating. O. U. Zerk. 1,821,197; Sept. 1.
Gun, Machine. K. Danthine. 1,821,463; Sept. 1.
Gun, Magazine. T. E. Flowers. 1,828,108; Oct. 20.
Gun, Magazine. N. E. McCormick, F. J. Dearinger, and E. D. Stewart. 1,833,431; Nov. 24.
Gun more particularly applicable for firing against aircraft, Artillery. N. E. Methlin. 1,812,800; June 30.
Gun mount. W. L. Mackine. 1,821,521; Sept. 1.
Gun mount. H. C. Zimmerman. 1,810,001; June 16.
Gun mount for aircraft. W. Wait, jr. 1,806,724; May 26.
Gun mount, Machine. G. Ironside. 1,805,547; May 19.
Gun shell and follower, Shot. D. W. King. 1,831,010; Nov. 10.
Gun, Shot. R. Cosmi. 1,802,198; Apr. 21.
Gun sight. W. A. Caruth. 1,818,381. Aug. 11.
Gun sight. R. C. Coupland. 1,819,769; Aug. 18.
Gun sight. L. Levy. 1,814,756; July 14.
Gun sight. W. F. Lorenzen. 1,834,248; Dec. 1.
Gun sight, Vertically adjustable. J. E. Steward. 1,814,975; July 14.
Gun, Sporting. C. Levé. 1,814,937; July 14.
Gun stock. C. W. Kress. Des. 85,338; Oct. 13.
Gun, Toy. B. B. Gerken. 1,821,381; Sept. 1.
Gunnery, Apparatus for training in. J. C. Karnes and G. J. Kessenich. 1,803,064; Apr. 28.
Guns and automatic small arms, Drum magazine for machine. C. A. Larsson and P. R. Higson. 1,811,694; June 23.
Guns, Apparatus for use in the fire control of antiaircraft. P. W. Gray. 1,831,595; Nov. 10.
Guns, Apparatus for use in the laying of anti-aircraft. P. W. Gray. 1,811,688; June 23.
Guns, Belt feed mechanism for machine. J. I. Hatcher. 1,808,847; June 9.
Guns, Breech-bolt mechanism for sporting. R. Von Frommer. 1,790,612; Jan. 27.
Guns, Combined shooting and magazine barrel for spring air. C. F. Lefever. 1,825,190; Sept. 29.
Guns, Mechanism for automatically opening and closing the breech of. N. E. Methlin. 1,837,980; Dec. 22.
Guns mounted on board submersible craft and for other like uses, Disappearing carriage for. N. E. Methlin. 1,796,573; Mar. 17.
Guns, Operating mechanism for machine. R. C. Coupland. 1,799,284; Apr. 7.
Guns, Pointing mechanism for. E. Müller. 1,820,820; Aug. 25.
Guns, Recoil and counter recoil mechanism for. T. A. Conlon. 1,803,523; May 5.
Guns, Recoil pad for. A. H. Ammann. 1,805,273; May 12.
Guns, Reversible feed mechanism for machine. F. T. Moore. 1,803,351; May 5.
Guns, Safety for repeating. S. O. Carlson. 1,837,850; Dec. 22.
Guns, Variable recoil mechanism for. T. A. Conlon. 1,804,388; May 12.
Gutter hanger. M. Rachlin. 1,824,570; Sept. 22.
Gutter hanger circle. H. Shaw. 1,823,631; Sept. 15.
Guy guard. C. L. Matthews, L. P. Boll and L. L. Crump. 1,805,251; May 12.
Guy hook. G. E. Balch. 1,802,934; Apr. 28.
Guy rod. C. L. Peirce, jr. 1,794,495; Mar. 3.
Gymnastic instrument, Multiple. A. Raffo. 1,822,786; Sept. 8.
Gymnastics. Apparatus for finger. K. Lobosicky. 1,790,934; Feb. 3.
Gypsum, Continuous calcination of. A. W. Tyler. 1,798,857; Mar. 31.

Gypsum mixer. A. Olson. 1,801,685. Apr. 21.
Gypsum, Reducing. A. Hasselbach. 1,801,741; Apr. 21.
Gypsum, Transformation of. F. Rothe and H. Brenek. 1,790,023; Jan. 27.
Gyratory crusher. R. Bernhard. 1,837,102; Dec. 15.
Gyrocompass. J. B. Henderson. 1,831,598; Nov. 10.
Gyrocompass, Liquid controlled. P. E. Harris. 1,811,415; June 23.
Gyro-compass, Non-pendulous. E. A. Sperry, jr. 1,805,854; May 19.
Gyroscope flying machine with oscillating wings. J. de Korwin. 1,831,655; Nov. 10.
Gyroscopic apparatus. J. B. Henderson. 1,831,597; Nov. 10.
Gyroscopic device for the determination of planes or directions of reference, Compensated. J. Fieux. 1,825,345; Sept. 29.
Gyroscopic directional instrument. S. G. Brown. 1,811,300; June 23.
Gyroscopic instrument and apparatus. J. B. Henderson. 1,834,341; Dec. 1.
Gyroscopic system for controlling dirigible craft. P. A. Cooke. 1,825,994; Oct. 6.
Gyroscopic turn indicator. V. I. Zelov. 1,794,749; Mar. 3.
H-section. Rolled. J. H. Edwards and R. A. Millard. 1,818,121; Aug. 11.
Hack. J. O. Huxford. 1,818,398; Aug. 11.
Hacker for turpentine trees. E. A. McKoy. 1,818,906; Aug. 11.
Hæmacytometer, Non-breakable. H. W. George. 1,836,915; Dec. 15.
Hair and feathers from their natural, to another support, Transferring. B. Ditisheim. 1,832,363; Nov. 17.
Hair, Apparatus for permanent waving of the. I. C. F. Adam and R. A. Ragody. 1,824,799; Sept. 29.
Hair, Apparatus for treating. J. C. Brown. 1,797,318; Mar. 24.
Hair, Apparatus for waving or curling. H. V. Sonnen. 1,829,970; Nov. 3.
Hairbrush. J. Born. 1,837,250; Dec. 22.
Hair clamping device. S. Sommer. 1,833,056; Nov. 24.
Hair clasp. J. Kemper. 1,796,996; Mar. 17.
Hair clasp especially for making curls. B. Cahn. 1,836,899; Dec. 15.
Hair clip. H. Naito. 1,798,487; Mar. 31.
Hair clipper. J. Cordova. 1,795,836; Mar. 10.
Hair clipper. O. C. Foster. 1,794,761; Mar. 3.
Hair clipper. H. Kocourek. 1,794,410; Mar. 3.
Hair clipper. C. L. Redfield. 1,798,756; Mar. 31.
Hair clipper. F. F. Reich. 1,823,764; Sept. 15.
Hair clipper. H. Van Bree. 1,811,903; June 30.
Hair clipper, Electric. C. L. Volz. 1,810,152; June 16.
Hair clipper, Speed up. E. R. Potter. 1,825,818; Oct. 6.
Hair, Cleansing human. N. Sandor. 1,833,538; Nov. 24.
Hair curler. E. Burkhart. 1,794,755; Mar. 3.
Hair curler. N. Fulton. 1,824,883; Sept. 29.
Hair curler. T. S. Justus. 1,793,699; Feb. 24.
Hair curler. G. Ponarouse. 1,810,785; June 16.
Hair curler. G. O. Rowley. 1,820,498; Aug. 25.
Hair curling apparatus. P. Kunin and I. E. McElroy. 1,806,472; May 19.
Hair curling appliance. J. D. Percell. 1,824,497; Sept. 22.
Hair curling bar. O. Brosius. 1,819,731; Aug. 18.
Hair curling device. E. O. Frederics. 1,824,775; Sept. 29.
Hair-curling device. H. Hammond. 1,792,981; Feb. 17.
Hair curling device. N. Platel. 1,810,678; June 16.
Hair curling device. W. G. Shelton. 1,831,827; Nov. 17.
Hair curling heaters, Device for winding hair on the stems of. A. E. Pausser. 1,819,969; Aug. 18.
Hair curling machine. L. A. Carter. 1,809,961; June 16.
Hair cutter. F. Fewins. 1,832,289; Nov. 17.
Hair cutting device, Power driven. V. G. Apple. 1,822,262; Sept. 8.
Hair cutting machine. H. B. Roney. 1,811,760; June 23.
Hair cutting machine, Barber's. A. Adams. 1,809,008; June 9.
Hair, Device for use in dressing the. H. Freeman and H. D. Thurgar. 1,806,248; May 19.
Hairdresser's implement. A. Bertelsen and E. V. Bertelsen. 1,794,574; Mar. 3.
Hairdressing article. L. L. Hurst. 1,788,835; Jan. 13.
Hairdressing device. A. Aaronson. 1,819,667; Aug. 18.
Hair drier. E. O. Frederics. 1,832,899; Nov. 24.
Hair drier. W. Meyer. 1,794,860; Mar. 3.
Hair drier. E. Nielsen. 1,821,525; Sept. 1.
Hair drier. M. Pickard. 1,790,283; Jan. 27.
Hair drier. L. J. Wahl. 1,809,458; June 9.
Hair drier, Electric. T. Patermann. 1,799,060; Mar. 31.
Hair-drying apparatus. C. Fuchs. 1,793,313; Feb. 17.
Hair dyeing apparatus. G. M. Krag. 1,824,087; Sept. 22.
Hair in the making of permanent waves, Device for winding, combing, stretching and tying. H. Vogt and J. Heck. 1,820,513; Aug. 25.
Hair, Method and apparatus for waving. H. Bonat. 1,827,455; Oct. 13.
Hair net. L. Seidner. 1,817,713; Aug. 4.
Hair net. N. L. Solomon. Des. 84,553; June 30.
Hair net. N. L. Solomon. 1,813,897; July 7.
Hair net, Bather's. G. B. Rayburn. 1,792,033; Feb. 10.
Hair net, Bathing. G. B. Rayburn. 1,792,032; Feb. 10.
Hairpin. H. G. Blanchard. 1,802,133; Apr. 21.
Hair pin. P. L. Haims. 1,823,685; Sept. 15.
Hairpin or similar device. P. L. Haims. 1,834,153; Dec. 1.
Hair preparatory to treating or waving the same, Testing. C. Nessler. 1,837,577; Dec. 22.
Hair, Sectional treatment in permanent waving of. E. O. Frederics. 1,827,785; Oct. 20.
Hair slide. A. Mendel and E. Kleinmann. 1,828,254; Oct. 20.
Hair steamer. E. B. Clemenger. 1,832,360; Nov. 17.
Hair treating device. E. O. Frederics. 1,829,216; Oct. 27.
Hair treating method and composition. D. R. Pinnock. 1,827,801; Oct. 20.
Hair undulating apparatus. E. Thriene. 1,837,736; Dec. 22.
Hair wave pin clip. C. Chomette. 1,802,310; Apr. 21.
Hair wave placer. W. V. Fashing. 1,831,106; Nov. 10.
Hair waver. E. M. Adams. 1,805,507; May 19.
Hair waver. R. L. Evans. 1,792,214; Feb. 10.
Hair waver. N. Fulton. 1,795,598; Mar. 10.
Hair waver. J. Goodman. 1,816,480; July 28.
Hair waver. A. Kretschan. 1,813,243; July 7.
Hair waver. W. Majewski. 1,837,561; Dec. 22.
Hair waver. H. Rabbes. 1,791,637; Feb. 10.
Hair waver. W. G. Shelton. 1,790,727; Feb. 3.
Hair waver. V. Vryn. 1,823,434; Sept. 15.
Hair, Waving. W. S. Lewis. 1,812,442; June 30.
Hair waving apparatus. A. G. Borden. 1,823,023; Sept. 15.
Hair waving apparatus. J. L. Gaire. 1,829,826; Nov. 3.
Hair waving apparatus. C. Kleine. 1,809,977; June 16.
Hair-waving apparatus. W. G. Shelton. 1,793,754; Feb. 24.
Hair-waving apparatus, Permanent-. A. T. Wehner. 1,800,271; Apr. 14.
Hair waving appliance. O. J. Elam. 1,831,487; Nov. 10.
Hair-waving appliance. R. Lemaire. 1,800,866; Apr. 14.
Hair waving appliance. C. O. Long. 1,806,355; May 19.
Hair waving clamp. W. G. Shelton. 1,820,763; Aug. 25.
Hair waving comb. G. T. Allen. 1,825,170; Sept. 29.
Hair waving device. P. Chaumier. 1,812,081; June 30.
Hair-waving device. S. Cocroft. 1,793,061; Feb. 17.
Hair waving device. R. D'Orleans. 1,835,936; Dec. 8.
Hair-waving device. W. G. Shelton. 1,790,879; Feb. 3.
Hair waving device. J. A. H. Siers. 1,836,045; Dec. 15.
Hair waving device. S. B. Tusis. 1,824,641; Sept. 22.
Hair waving device. F. E. Wolcott. 1,831,615; Nov. 10.
Hair waving device, Hot air. H. Kahlhofer. 1,828,664; Oct. 20.
Hair waving heater. W. S. Lewis. 1,829,362; Oct. 27.
Hair-waving implement. M. E. Wood. 1,793,728; Feb. 24.
Hair waving machine, Casing for. H. A. Trafton. Des. 84,119; May 5.
Hair waving, Method and apparatus for. C. H. McIntire. 1,827,434; Oct. 13.
Hair-waving unit, Permanent-. M. D. Provost. 1,800,658; Apr. 14.
Hair waving wrapper. W. S. Watts. 1,806,007–8; May 19.
Hair winder. C. Mack. 1,815,266; July 21.
Hair winder, Curling rod. I. B. Kimmel. 1,072,291; Oct. 13.
Halide derivatives of cellulose and process of making, Cyanogen. J. Haller. 1,813,619; July 7.
Halide of a rare refractory metal, Preparation of an oxide-free. J. W. Marden and H. C. Rentschler. 1,826,806; Oct. 13.
Hall effect, System and apparatus employing the. P. H. Craig. 1,822,129; Sept. 8.
"Hall effect," System and apparatus employing the. P. H. Craig. 1,825,855; Oct. 6.
Halogen derivative of dibenzopyrenequinones. M. A. Kunz, K. Koeberle and E. Berthold. 1,804,880; May 12.
Halogen products of diaminopyridine, Obtaining. E. T. Tisza, and B. Joos. 1,830,301; Nov. 3.
Halter. O. C. Johnson. 1,793,488; Feb. 24.
Halter. K. Swanjord. 1,804,655; May 12.
Halter, Adjustable. I. Winslow. 1,796,698; Mar. 17.
Halving and pitting device. A. M. Swanson. 1,807,713; June 2.
Ham hanger. W. J. Vinson. 1,828,988; Oct. 27.
Ham press. C. Butz. 1,792,411; Feb. 10.
Hame bodies, Process and apparatus for forming. J. M. Glaser. 1,831,240; Nov. 10.
Hame lug bolt. W. H. Keene. 1,801,925; Apr. 21.
Hammer. F. H. Derby. 1,834,386; Dec. 1.
Hammer. W. Ferguson. 1,822,394; Sept. 8.
Hammer. R. Metzger and D. W. Kirkpatrick. 1,792,437; Feb. 10.
Hammer, Air. E. Selindler. 1,813,546; July 7.
Hammer and other like tools for extracting nails and the like, Claw. A. J. Collocott. 1,833,603; Nov. 24.
Hammer attachment. J. Evich. 1,792,153; Feb. 10.
Hammer attachment for electric drills. E. B. Grutzbach. 1,798,082; Mar. 24.
Hammer, Board. W. W. Criley. 1,798,310; Mar. 31.
Hammer, Board drop. H. G. Kimball. 1,809,300; June 9.
Hammer, Board drop. M. C. Talcott. 1,789,568; Jan. 20.
Hammer, Carpenter's. J. F. Ervay. 1,822,280; Sept. 8.
Hammer, Centrifugal. N. Georgevitch. 1,812,692; June 30.
Hammer crusher. W. A. Battey. 1,803,585; May 5.
Hammer crusher. W. A. Battey, J. E. Stine and G. W. Borton. 1,813,836; July 7.

Hammer crusher. G. W. Borton. 1,802,105; Apr. 21.
Hammer crusher. C. A. Jamison. 1,824,272; Sept. 22.
Hammer, Drop. F. C. Billings. 1,812,464; June 30.
Hammer, Drop. J. F. Cox. 1,800,339; Apr. 14.
Hammer, Drop. J. N. Scism. 1,810,536–7; June 16.
Hammer, Drop. G. E. Smith. 1,814,193; July 14.
Hammer, Drop. F. J. Vlchek. 1,809,805; June 9.
Hammer, Electric. J. E. Bryan. 1,827,611; Oct. 13.
Hammer, Electric. E. G. Quellhorst. 1,812,271; June 30.
Hammer, Electromagnetic. S. Berman. 1,837,197; Dec. 22.
Hammer, Foot controlled. W. M. Drennon. 1,801,806; Apr. 21.
Hammer for hammer mills. C. E. Spitzer. 1,791,007; Feb. 3.
Hammer, Forging. H. Terhune. 1,807,455; May 26.
Hammer, Four-roll. W. W. Criley. 1,798,309; Mar. 31.
Hammer, Interchangeable. F. Schweigert. 1,807,347; May 26.
Hammer, Internal combustion. S. R. Saunders. 1,813,513; July 7.
Hammer, Mechanical. F. Tauriac. 1,814,459; July 14.
Hammer mill. T. C. Alfred. 1,829,325; Oct. 27.
Hammer mill. W. J. Clement. 1,807,197; May 26.
Hammer mill. W. J. Clement. 1,828,490; Oct. 20.
Hammer mill. C. A. Jamison. 1,801,604; Apr. 21.
Hammer mill. M. McMillan and R. S. MacMillan. 1,832,468; Nov. 17.
Hammer mill. J. Mursch. 1,818,570; Aug. 11.
Hammer mill. C. F. Schutte. 1,821,482; Sept. 1.
Hammer, Pneumatic. J. C. Campbell. Des. 83,147; Jan. 27.
Hammer, Pneumatic. F. R. Robinson. 1,829,609; Oct. 27.
Hammer, Pneumatic. E. W. Stevens. 1,832,432; Nov. 17.
Hammer, Pneumatic. H. A. Stevens. 1,804,712; May 12.
Hammer, Pneumatic power. R. E. Bates. 1,793,206; Feb. 17.
Hammer, Portable power. J. A. Strakey and A. H. Bitner. 1,791,332; Feb. 3.
Hammer, Portable power operated. J. R. Hilstad. 1,809,340; June 9.
Hammer, Portable power operated. A. Ludwig. 1,820,081; Aug. 25.
Hammer, Power. J. H. Greenley. 1,812,650; June 30.
Hammer, Power. L. F. Kott. 1,798,378; Mar. 31.
Hammer, Power. J. H. Meeker and E. K. Skonberg. 1,827,877; Oct. 20.
Hammer, Power. F. P. Miller and L. Skeel. 1,800,465; Apr. 14.
Hammer, Rebounding. B. Becker. 1,825,331; Sept. 29.
Hammer, Rotary. N. P. Ridgway. 1,789,712; Jan. 20.
Hammer, Rotary drive trip. S. J. Boyd. 1,807,025; May 26.
Hammer stamp. W. J., jr. and O. M. Pannier. 1,789,832–3; Jan. 20.
Hammers and the like, Knock-off for board drop. H. Terhune. 1,833,800; Nov. 24.
Hammers, Attachment for pneumatic. J. Galaz. 1,827,647; Oct. 13.
Hammock. F. Ames. 1,814,579; July 14.
Hammock chamber for steam baths, Pliable. E. Gola. 1,798,080; Mar. 24.
Hammock, Couch. H. Mintz. 1,788,801; Jan. 13.
Hammock for automobiles, Baby. R. H. Brown. 1,807,234; May 26.
Hammock or glider seat frame. D. M. Lillibridge. 1,798,546; Mar. 31.
Hammocks, Weaving. Z. L. Chadbourne. 1,832,095; Nov. 17.
Hamper, Clothes. H. F. Shaw. 1,799,621; Apr. 7.
Hamper handle. S. H. Hunt. 1,831,304; Nov. 10.
Hamper, Laundry. A. J. Feltault. 1,800,825; Apr. 14.
Hamper or similar receptacle, Built-in laundry. A. J. Feltault. 1,800,826; Apr. 14.
Hand, Artificial. J. W. Baehr. 1,819,317; Aug. 18.
Hand, Artificial. H. C. Starkey. 1,821,081; Sept. 1.
Hand bag. W. C. Hiering. 1,815,912. July 28.
Hand bag, Lady's. A. Benforado. 1,793,899; Feb. 24.
Hand bag, Lady's. M. Berkowitz. Des. 84,128; May 12.
Hand bag, Lady's. D. Lewis. Des. 83,980; Apr. 21.
Hand bag. M. Sachs. 1,828,342; Oct. 20.
Handball, Safety. E. K. Wolfe. 1,800,811; Apr. 14.
Hand brake. G. F. Endicott. 1,809,836; June 16.
Hand brake. G. F. Endicott. 1,835,149; Dec. 8.
Hand brake. S. B. Haseltine. 1,831,910; Nov. 17.
Hand brake. G. A. Johnson. 1,788,525; Jan. 13.
Hand brake. A. F. O'Connor. 1,804,225; May 5.
Hand brake. A. F. O'Connor. 1,823,570; Sept. 15.
Hand brake. J. F. O'Connor. 1,796,617; Mar. 17.
Hand brake. J. F. O'Connor. 1,823,756; Sept 15.
Hand brake. J. F. O'Connor. 1,835,177; Dec. 8.
Hand brake. J. F. O'Connor. 1,837,475–7; Dec. 22.
Hand brake. R. J. Olander. 1,796,301; Mar. 17.
Hand brake. R. J. Olander. 1,831,927; Nov. 17.
Hand brake. R. J. Olander. 1,832,944; Nov. 24.
Hand brake, Railway car. H. E. Anderson. 1,810,116; June 16.
Hand brake, Railway car. W. D. Price. 1,826,636; Oct. 6.
Hand brake wheel. T. K. Cummins. 1,833,278; Nov. 24.
Hand brake wheel. A. F. O'Connor. 1,826,815; Oct. 13.
Hand coil spring making tool. J. W. Nunamaker. 1,831,777; Nov. 10.
Hand-cuff. A. Almqvist. 1,826,591; Oct. 6.
Hand cuff. E. E. Neal. 1,821,566; Sept. 1.
Handcuff handle. E. Stull and M. M. Kennedy. 1,803,280; Apr. 28.
Handcuffs. C. H. Nenstiehl. 1,823,697; Sept. 15.
Hand-grips comprising fittings of molded material, Manufacture of. L. Reinold. 1,831,752; Nov. 10.
Hand lamp switch. H. G. Graubner. 1,802,712; Apr. 28.
Hand opening can. J. F. Quinn. 1,809,451; June 9.
Hand pad. W. G. Voecks. 1,788,965; Jan. 13.
Handrack for adhesive tape. P. D. Prentiss. 1,838,866; Dec. 29.
Hand rest, Typist's. E. C. Hintz. 1,801,669; Apr. 21.
Handsaw, Electric. F. W. Wappat. 1,830,579–80; Nov. 3.
Hand split tapered shake. F. L. Dietz. 1,805,689 May 19.
Hand truck. G. F. Whiting. 1,795,812; Mar. 10.
Hand truck with tongue operated braking mechanism. D. E. Hennessy. 1,820,942; Sept. 1.
Hand washer. A. J. Warren. 1,820,853; Aug. 25.
Hand wheel. J. E. Whitfield. 1,808,485; June 2.
Handwheels, Locking. H. D. Geyer. 1,825,390; Sept. 29.
Handle: *See*—

Basket handle.	Luggage handle.
Brush handle.	Package handle.
Carrying handle.	Plane handle.
Casket handle.	Plow handle.
Crock handle.	Razor handle.
D-handle.	Sadiron handle.
Detachable handle.	Saw handle.
Dipper handle.	Shovel handle.
Door handle.	Split D handle.
Door lock handle.	Throttle handle.
File handle.	Tool handle.
Hamper handle.	Umbrella and parasol handle.
Handcuff handle.	Utensil handle.
Latch handle.	Valve handle.
Lifting-jack handle.	Welding handle.
Locking door handle.	

Handle. W. G. Dunn. 1,795,291; Mar. 10.
Handle. B. S. Floraday. 1,818,612; Aug. 11.
Handle. G. Graff. 1,795,554; Mar. 10.
Handle and cover. W. H. Raymond. 1,837,673; Dec. 22.
Handle and escutcheon assembly, Combined. F. C. Ruppel. Des. 85,771; Dec. 15.
Handle and filler, Sack. E. N. Malvern and W. W. Jones. 1,798,094; Mar. 24.
Handle and instrument holder, Switch. O. H. Pieper. 1,792,121; Feb. 10.
Handle and the like. F. J. Holmes. 1,800,254; Apr. 14.
Handle applying machine, Basket. C. O. Strombeck. 1,829,769; Nov. 3.
Handle-arresting and coin-returning mechanism. L. H. Larsen and C. W. Nixon. 1,800,546; Apr. 14.
Handle assembly. B. S. Floraday. 1,798,527; Mar. 31.
Handle assembly. E. N. Jacobi. 1,797,776; Mar. 24.
Handle assembly. H. W. Townsend. 1,830,862; Nov. 10.
Handle assembly, Locking. B. S. Floraday. 1,827,979; Oct. 20.
Handle-attaching means. E. A. Beste. 1,800,981; Apr. 14.
Handle-attaching means. C. Graff. 1,800,684; Apr. 14.
Handle attachment for cooking utensils. A. W. Nelson and W. Topping. 1,809,060; June 9.
Handle attachment for garden implements. J. McGuire. 1,836,609; Dec. 15.
Handle attachment, Mop. M. J. Welling. 1,789,328; Jan. 20.
Handle clamp. A. J. Hawkes. 1,828,250; Oct. 20.
Handle connection. R. K. Winning. 1,837,004; Dec. 15.
Handle construction. D. S. Anthony. 1,816,277; July 28.
Handle construction for culinary utensils. R. Washburn. 1,827,126; Oct. 13.
Handle construction for vacuum cleaners and the like, Detachable. F. Wardell. 1,836,348; Dec. 15.
Handle construction for vessels. H. H. Schott. 1,803,729; May 5.
Handle coupling and constructing the same. C. F. Smith. 1,807,559; May 26.
Handle device for utensils. W. A. Molyneux. 1,789,876; Jan. 20.
Handle for a door or analogous article. J. Teller and A. P. Schulz. Des. 85,498; Nov. 3.
Handle for a door of an automobile or the like. O. E. Uhlmann. Des. 84,769–70; July 28.
Handle for a razor. P. Herndon. Des. 83,198; Feb. 3.
Handle for air hoists, Safety. R. J. Williams. 1,795,985; Mar. 10.
Handle for containers, Wire. O. E. Florang. 1,808,650; June 2.
Handle for cooking utensils and the like. W. D. Hill. 1,831,111; Nov. 10.
Handle for cooking utensils, Detachable. P. W. Stephens. 1,818,284; Aug. 11.
Handle for door latches or the like. F. C. Ruppel. Des. 85,770; Dec. 15.
Handle for doors or the like. J. E. Bales. Des. 82,968; Jan. 6.
Handle for drifting drills, Spring. A. H. Katterjohn. 1,834,714; Dec. 1.
Handle for drills, Spring. M. O. Knutson. 1,791,061; Feb. 3.
Handle for flush tanks or the like. H. D. Clemmons. Des. 84,462; June 23.

Handle for folding oxford frames or the like. V. Tanasso and J. J. Pomeranz. Des. 85,557–8; Nov. 10.
Handle for forks and like implements. B. H. Smith. 1,809,254; June 9.
Handle for fruit baskets, Wire. F. B. Townsend. 1,815,125; July 21.
Handle for implements. D. F. Hervey. 1,798,534; Mar. 31.
Handle for instruments for making examinations. W. J. Cameron. 1,793,463; Feb. 24.
Handle for latches, control devices and the like. F. C. Ruppel. Des. 84,756; July 28.
Handle for laundry irons. C. T. Madsen. 1,817,924; Aug. 11.
Handle for motor boat engines, Control. W. R. Smith. 1,804,442; May 12.
Handle for movable stove parts. A. G. Sherman. Des. 85,601; Nov. 17.
Handle for rock drills. J. F. Mock. 1,809,141; June 9.
Handle for safe doors. F. A. Lundquist. 1,803,337; May 5.
Handle for shovels and other implements, Split-D. L. E. Webster. 1,822,761; Sept. 8.
Handle for steering wheels, Attachable. M. H. Shipley. 1,834,537; Dec. 1.
Handle for street car straps. E. Miller. 1,812,972; July 7.
Handle for valve stems. E. Price and W. A. Pfister. 1,796,721; Mar 17.
Handle for wooden baskets. R. P. Young. 1,824,319; Sept. 22.
Handle grip, Suction cleaner. E. F. Martinet. Des. 84,898; Aug. 18.
Handle light. A. J. Luchansky. 1,836,034; Dec. 15.
Handle manufacture, Bent wood. L. D. Miller. 1,825,409; Sept. 29.
Handle member for automobile steering wheels. L. H. Baruh. 1,799,774; Apr. 7.
Handle member for razor blades. A. W. Ericsson. 1,827,509; Oct. 13.
Handle or similar article, Automobile door. W. Schnell. Des. 83,701; Mar. 17.
Handle or similar article for an automotive vehicle, Outside door. W. Schnell. Des. 85,844; Dec. 22.
Handle or similar article, Motor-vehicle door. G. Graff. Des. 83,156–8; Jan. 27.
Handle structure, Door. L. A. Dexter. 1,825,264; Sept. 29.
Handle structure for children's vehicles. W. J. Baker. 1,790,195; Jan. 27.
Handle switch. J. E. Barrass. 1,815,041; July 21.
Handle wrench, Adjustable. O. Looft. 1,792,850; Feb. 17.
Handles and other implements, Making split-D. L. E. Webster. 1,835,545; Dec. 8.
Handles to trays and the like, Attaching. H. J. McCarthy. 1,808,503; June 2.
Handling and shipping apparatus. J. J. Steinharter. 1,792,715; Feb. 17.
Handling and storing, Apparatus for. P. Been. 1,828,307; Oct. 20.
Handling articles, Apparatus for. J. S. Stull. 1,806,131; May 19.
Handling system, Material. E. T. Bennington. 1,802,550; Apr. 28.
Handwriting machine. R. A. Flumm. 1,813,237; July 7.
Hangar for dirigibles. C. J. Carlotti. 1,829,503–4; Oct. 27.
Hangar or shed, Airplane. L. S. Adams. 1,818,957; Aug. 11.
Hanger: *See*—
Adjustable shaft hanger.
Apparel hanger.
Axle hanger.
Banana hanger.
Bar hanger.
Beam hanger.
Book hanger.
Closure hanger.
Clothes hanger.
Coat hanger.
Combined door bumper and coat hanger.
Control cable hanger
Curtain and shade hanger.
Curtain hanger.
Detachable hanger.
Door hanger.
Drapery hanger.
Dress hanger.
Erection hanger.
Extension hanger.
Form hanger
Fur-piece hanger.
Fur-scarf hanger.
Garment hanger.
Gutter hanger.
Ham hanger.
Meat smoking hanger.
Meter hanger.
Picture hanger.
Picture-frame hanger.
Pipe hanger.
Polish rod hanger.
Portière hanger.
Radiator hanger.
Shade and curtain hanger.
Shoe hanger.
Spring hanger.
Sucker rod hanger.
Swing hanger.
Swivel hanger.
Tie hanger.
Trouser hanger.
Tube hanger.
Tubing hanger.
Window curtain hanger.
Hanger. M. Bernhard. 1,797,815; Mar. 24.
Hangar. F. V. Ellsworth. 1,837,152; Dec. 15.
Hanger. S. Hirschberger. 1,837,046; Dec. 15.
Hanger. L. H. Hosbein. 1,794,381; Mar. 3.
Hanger. J. F. Kavanagh. 1,794,519; Mar. 3.
Hanger. H. F. Morse. 1,834,795; Dec. 1.
Hanger. C. A. Porter. 1,797,364; Mar. 24.
Hanger. E. Vail. 1,803,154; Apr. 28.
Hanger. R. F. Waite. 1,837,930; Dec. 22.
Hanger. C. J. Way. 1,816,413; July 28.
Hanger and hat brush, Combined coat. Y. Sumi. 1,836,942; Dec. 15.
Hanger and hinge, Combined door. W. D. Ferris. 1,821,697; Sept. 1.
Hanger and holder for emblems. Protective. F. N. Routman. 1,801,387; Apr. 21.
Hanger and packaging device, Combined garment. J. H. Vineberg. 1,838,597; Dec. 29.
Hanger clip, Garment-. S. A. Wilson. 1,799,717; Apr. 7.
Hanger device for electric fixtures. E. F. Smith and G. K. Wilson. 1,791,480; Feb. 3.
Hanger for articles to be plated. L. Lichtman. 1,827,478; Oct. 13.
Hanger for cabinet radiators, Adjustable. J. C. Willcox. 1,810,196; June 16.
Hanger for cables and the like. R. Fitzpatrick. 1,837,259; Dec. 22.
Hanger for concrete construction forms. H. M. Wooley, jr. 1,830,251; Nov. 3.
Hanger for continuous enameling furnaces. J. O'F. Clark. 1,822,012; Sept. 8.
Hanger for draperies. C. S. Nudelman and H. Kruglick. 1,819,379; Aug. 18.
Hanger for elongated articles. J. M. Ahn. 1,817,600; Aug. 4.
Hanger for fur scarfs or the like. J. H. Herrmann. 1,794,688; Mar. 3.
Hanger for mold tops. E. Gathmann. 1,833,709; Nov. 24.
Hanger for pipes. A. G. Siebenlist. 1,787,596; Jan. 6.
Hanger for radiators. I. T. Bennett and J. D. Soehner. 1,834,931; Dec. 8.
Hanger for roller shades, Supporting. C. W. Simpson. 1,799,137; Mar. 31.
Hanger for supporting strips of bacon. P. J. Louthian. 1,825,879; Oct. 6.
Hanger for suspension lighting fixtures. F. B. Nightingale. 1,813,863; July 7.
Hanger for towels and the like. J. L. Sjödin. 1,838,642; Dec. 29.
Hanger frame, Garment-. G. Subick. 1,790,604; Jan. 27.
Hanger loop, Fur. A. Novak. 1,837,059; Dec. 15.
Hanger or similar article, Coat and hat. J. A. Zareko. Des. 85,724; Dec. 8.
Hanger support, Garment. B. Neal. 1,821,722; Sept. 1.
Hangers, Clamping adjunct for coat. F. J. Henry. 1,791,496; Feb. 10.
Hangers, Sheath for garment. C. A. Smith, sr. 1,797,701; Mar. 24.
Hank bundling mechanism. W. H. Gosch. 1,817,618; Aug. 4.
Hanks on the reel, Device for skeining. F. Goldberger. 1,800,289; Apr. 14.
Harbor, Floating. C. W. King. 1,801,089; Apr. 14.
Harbor, Floating. C. W. King. 1,821,310; Sept. 1.
Hardening furnace with continuously operated charging device. E. Goerig and H. Lindhorst. 1,821,832; Sept. 1.
Hardness testing machine. H. H. La Vercombe. 1,830,842; Nov. 10.
Hardware, Builder's. E. H. Johnson. 1,808,897; June 9.
Hardware fixture. A. Ekman. 1,829,509; Oct. 27.
Harmonic analyzer and switching mechanism therefor. R. L. Wegel and C. R. Moore. 1,799,202; Apr. 7.
Harmonica. I. L. Stein and C. H. Benington. 1,817,109; Aug. 4.
Harmonica technique, Device for practicing. W. C. Peterson. 1,797,613; Mar. 24.
Harmony calculator. K. Ferguson-Roberts. 1,822,457; Sept. 8.
Harness, Adjustable dog. J. D. Wickersham and H. A. Huwer. 1,800,421; Apr. 14.
Harness for live bait. V. W. Schultz. 1,796,877; Mar. 17.
Harness leveling mechanism. H. A. Davis. 1,819,543; Aug. 18.
Harness, Safety child. N. Ritter. 1,816,262; July 28.
Harp. J. Miller. 1,799,696; Apr. 7.
Harp. C. Salzedo. Des. 83,925; Apr. 14.
Harp. E. O. Starke. 1,817,951; Aug. 11.
Harp, Trolley. W. J. Bauroth 1,821,423; Sept. 1.
Harp, Trolley. F. C. Coseo. 1,821,424; Sept. 1.
Harrow. H. E. Altgelt. 1,814,814; July 14.
Harrow. I. A. Babcock and A. W. Reynolds. 1,812,461; June 30.
Harrow. R. A. Isenberg. 1,800,634; Apr. 14.
Harrow. C. J. Knipp. 1,790,051; Jan. 27.
Harrow. R. Nygard, A. Finnila, and T. Lindell. 1,812,708; June 30.
Harrow. W. L. Paul. 1,820,541; Aug. 25.
Harrow. W. A. Stabenow. 1,796,629; Mar. 17.
Harrow cleaner. R. Janssen. 1,832,555; Nov. 17.
Harrow cleaner, Drag. W. J. Hurst. 1,804,100; May 5.
Harrow, Combination. G. C. Farrill. 1,739,919; Feb. 24.
Harrow, Disk. W. D. Dewend. 1,804,750; May 12.
Harrow drawbar and hinge therefor. E. J. Mason and H. L. Croft. 1,805,409; May 12.
Harrow evener, Folding. F. W. Cihak and W. D. Cihak. 1,812,138; June 30.
Harrow frame attachment, Wheeled. E. M. Smith. 1,812,904; July 7.
Harrow having spring teeth. J. R. and L. W. Kovar. 1,805,286; May 12.
Harrow hitch. C. H. Gemberling. 1,805,484; May 19.
Harrow hitch, Tractor. A. C. Lindgren. 1,790,061; Jan. 27.

Harrow, Multiple-gang disk. W. L. Paul. 1,798,899; Mar. 31.
Harrow, Offset tandem. W. D. Dewend. 1,834,519; Dec. 1.
Harrow, Power lift. S. S. Furrer. 1,838,176; Dec. 29.
Harrow, Rotary. G. A. Geffroy. 1,794,011; Feb. 24.
Harrow—rotary knife type. F. V. Burman. 1,822,920; Sept. 15.
Harrow, Spike tooth. J. V. Dyrr. 1,835,288; Dec. 8.
Harrow, Spring tooth. J. S. Stewart. 1,831,041; Nov. 10.
Harrow tooth. J. T. T. Kisinger. 1,802,385; Apr. 8.
Harrow tooth, Spring. J. V. Dyrr. 1,805,481; May 19.
Harrow, Wheeled. R. H. Johnson and O. E. Szekely. 1,830,761; Nov. 10.
Harrows, Lifting attachment for. E. C. Burr. 1,797,319; Mar. 24.
Harrows, Sharpening attachment for disk. F. M. Case. 1,838,657; Dec. 29.
Harrows. Turning device for offset. J. S. Stewart. 1,831,042; Nov. 10.
Harvester. E. A. Johnston. 1,819,605; Aug. 18.
Harvester. A. Kowalsky. 1,832,936; Nov. 24.
Harvester. E. E. Metcalf. 1,828,844; Oct. 27.
Harvester. H. C. Schueler. 1,794,646; Mar. 3.
Harvester. L. A. Shaw. 1,805,744; May 19.
Harvester. J. A. Walsh. 1,794,658; Mar. 3.
Harvester and thrasher, Combined. A. J. Conley. 1,791,714; Feb. 10.
Harvester and thrasher, Combined. E. F. Hogan. 1,812,532; June 30.
Harvester and thrasher, One man controlled combined. J. T. Ashton. 1,829,388; Oct. 27.
Harvester attachment. C. D. Maysent. 1,794,720; Mar. 3.
Harvester, Bean. R. L. Park. Re18,183; Sept. 8.
Harvester, Bean. R. L. Park. 1,828,437; Oct. 20.
Harvester, Beet. C. E. Imel and R. E. Barker. 1,813,354; July 7.
Harvester, Beet. A. E. Shinn. 1,824,376; Sept. 22.
Harvester, Beet. C. Siemiana. 1,813,967; July 14.
Harvester, Combination corn. W. F. MacGregor. 1,814,723; July 14.
Harvester, Combination tractor. A. Ronning and A. G. Ronning. 1,815,274; July 21.
Harvester, Combination tractor. A. and A. G. Ronning. 1,815,587; July 21.
Harvester construction, Corn. W. F. Whitaker. 1,822,328; Sept. 8.
Harvester, Corn. P. S. Bogatz. 1,821,374; Sept. 1.
Harvester, Corn. W. J. Coultas. 1,838,744; Dec. 29.
Harvester, Corn. W. A. Giermann. 1,810,600; June 16.
Harvester, Corn. R. Groves. 1,793,692; Feb. 24.
Harvester, Corn. F. Matoushek. 1,808,855; June 9.
Harvester, Cotton O. Dalke. 1,823,133; Sept. 15.
Harvester, Cotton. V. E. Hunter. 1,798,883; Mar. 31.
Harvester, Cotton. J. M. King. 1,800,145; Apr. 7.
Harvester, Ensilage. A. H. Krogan. 1,832,989; Nov. 24.
Harvester, Ensilage. W. B. Thiemann. 1,794,654; Mar. 3.
Harvester, Grain. C. J. Frederiksen. 1,823,036; Sept. 15.
Harvester, Potato. W. W. Firman. 1,808,133; June 2.
Harvester, Potato. H. E. Larinan. 1,789,527; Jan. 20.
Harvester, Potato. E. Sanders. 1,814,060; July 14.
Harvester, Seed. D. Borland. 1,809,544; June 9.
Harvester thrasher. C. R. Raney and A. E. W. Johnson. 1,838,451; Dec. 29.
Harvester-thrasher, Combination. N. R. Krause. 1,820,570; Aug. 25.
Harvester thrasher, Combination. W. F. MacGregor. 1,821,065; Sept. 1.
Harvester thrasher coupling. V. F. Lassagne. 1,832,033; Nov. 17.
Harvester-thrashers, Attachment to. W. Mickle. 1,819,432; Aug. 18.
Harvester thrashers, Tightening the platform canvas of combined. I. L. Stephenson. 1,796,127; Mar. 10.
Harvester, Tractor. A. Ronning, E. A. Hedenstrom and A. G. Ronning. 1,815,272; July 21.
Harvester, Walnut. A. W. La Forge. 1,791,362; Feb. 3.
Harvesters and analogous implements, Conveying and gathering mechanism for. H. H. Bardsley and W. J. Ehler. 1,809,542; June 9.
Harvesters, Beet. F. Siepp. 1,837,077; Dec. 15.
Harvesters, Pick-up for corn. T. O. Dugger. 1,800,058; Apr. 7.
Harvesters, Reel driving mechanism for. E. W. and G. D. Baldwin. 1,810,037; June 16.
Harvesters, Stone deflecting means for low cut. O. F. Carlson. 1,802,335; Apr. 28.
Harvesters, Tilting mechanism for. W. H. Worthington. 1,824,861; Sept. 29.
Harvesting and cotton cleaning machine, Combined. J. E. Mitchell. 1,814,761; July 14.
Harvesting and thrashing machine, Combined. A Herl. 1,837,906; Dec. 22.
Harvesting machine. R. P. Campbell. 1,832,094; Nov. 17.
Harvesting machine. L. R. Ewing and T. J. Mechling. 1,816,519; July 28.
Harvesting sugar beets, Two-row pulling and six-row piling apparatus for. B. P. Irvine. 1,806,974; May 26.
Hasp. J. P. Muzzio. 1,799,861; Apr. 7.
Hasp construction. K. J. Tobin and V. E. Edwards. 1,835,123; Dec. 8.
Hasp for trunk locks. A. J. Komenak. 1,827,319; Oct. 13.
Hasp plate for trunk locks. A. J. Komenak. 1,836,759; Dec. 15.
Hasp, Safety. E. K. Janney. 1,805,401; May 12.
Hasp, Snapper. M. S. Holman. 1,821,640; Sept. 1.
Hat. E. W. Bullard. 1,795,423; Mar. 10.
Hat. J. Cavanagh. 1,805,977; May 19.
Hat. J. Sill. Des. 83,180; Jan. 27.
Hat and coat rack. W. P. De Saussure, jr. 1,835,762; Dec. 8.
Hat and making it, Felt. F. J. Muhlfeld. 1,824,785; Sept. 29.
Hat and making the same, Knitted. E. N. Joha. 1,822,488; Sept. 8.
Hat attachment. R. F. Nelson. 1,831,776; Nov. 10.
Hat bearing indicating means. E. L. Cleveland. 1,825,052; Sept. 29.
Hatband, Fisherman's. E. T. Cooke. 1,787,568; Jan. 6.
Hatbands, Attachment means for. J. Cavanagh. 1,793,386; Feb. 17.
Hat block. J. D. Lundquist and J. Busbaum. 1,834,720; Dec. 1.
Hat blocker. R. G. Muller. 1,819,256; Aug. 18.
Hat blocking machine. P. De Simone. 1,813,795; July 7.
Hat-blocking machine. L. Martin. 1,797,832; Mar. 24.
Hat box. A. Droutman. 1,790,005; Jan. 27.
Hat box, Wardrobe. J. Ritter, jr. 1,827,542; Oct. 13.
Hat brim flanging machine. W. A. Leonard. 1,806,810; May 26.
Hat clipping machine. J. F. Doran. 1837,414; Dec. 22.
Hat construction. J. W. Keeshan, jr. 1,830,738; Nov. 3.
Hat construction and making the same. F. H. Lee. 1,813,861; July 7.
Hat extractor. R. H. Twist. 1,836,783; Dec. 15.
Hat, Flexible straw. B. E. Bronston. 1,791,554; Feb. 10.
Hat form. P. Hildreth. 1,787,727; Jan. 6.
Hat hanger. J. De George. Des. 84,569; July 7.
Hat hanger. J. De George. Des. 84,883; Aug. 18.
Hat holding device. R. A. Skoglund. 1,833,234; Nov. 24.
Hat, Knitted. E. N. Joha. Des. 84,700; July 21.
Hat, Lady's woven. F. A. Lacks. Des. 83,732; Mar. 24.
Hat press. G. Cipriano. 1,819,592; Aug. 18.
Hatrack. M. M. Studebaker. 1,806,578; May 19.
Hat, Safety. E. W. Bullard. 1,810,157; June 16.
Hat-shape retainer for use in men's soft hats. J. D. McGuigan. 1,789,188; Jan. 13.
Hat shaping and pressing mold. G. H. Edwards. 1,805,979; May 19.
Hat shaping machine. J. F. Roselle. 1,805,050; May 12.
Hat, Straw. J. Cavanagh. 1,811,001; June 23.
Hat, Straw. M. Salzman. 1,838,113; Dec. 29.
Hat stretching machine. C. E. Parkerton. 1,836,278; Dec. 15.
Hats, Imparting suede finish to woven paper. M. Silver. 1,821,854; Sept. 1.
Hats, Machine for use in the manufacture of. G. C. Reitter. 1,802,737; Apr. 28.
Hats, Manufacture of. R. G. Segsceneider. 1,813,088; July 7.
Hats, Manufacturing. M. Lenis. 1,798,744; Mar. 31.
Hats, Method of and apparatus for blocking. M. Miller. 1,805,220; May 12.
Hats, Sewing felt. R. Becker. 1,791,461; Feb. 3.
Hatch construction for upper decks. H. H. Fliegel. 1,835,855; Dec. 8.
Hatch construction for upper decks. H. H. Fliegel. 1,835,856; Dec. 8.
Hatch for ships and boats. R. B. Reith. 1,837,674; Dec. 22.
Hatch for submarines, Escape. H. E. Grieshaber. 1,802,943; Apr. 28.
Hatchet. J. J. R. Meyers. Des. 85,297; Oct. 6.
Hatchet, hammer, or similar tool. A. E. Keating and J. A. Anderson. 1,830,663; Nov. 3.
Hatchway frame and cover, Metal. E. A. Sweeley and T. Anderson. Re17,939; Jan. 27.
Haulage mechanism. M. P. Holmes. 1,820,191; Aug. 25.
Haulage or cable-way mechanism, Aerial. F. W. Reilly and D. C. Sherman. 1,829,873; Nov. 3.
Hay fork. C. B. Broughton, D. A. Leifheit, and C. A. Carlson. 1,797,633; Mar. 24.
Hay fork. G. Knott. 1,804,625; May 12.
Hay fork. J. M. Kyle. 1,820,279; Aug. 25.
Hay fork. A. W. Magnuson. 1,794,699; Mar. 3.
Hay pick-up. J. O. Murphy. 1,787,873; Jan. 6.
Hay press. G. W. Bowman. 1,808,832; June 9.
Hay press. A. J. Kruse. 1,796,205; Mar. 10.
Hayrack, Extensible. K. Lichtenthaler. 1,803,264; Apr. 28.
Hay rake. W. T. Rose. 1,833,860; Nov. 24.
Hay rake. P. A. Smith. 1,832,746; Nov. 17.
Hay rake, Sulky. O. F. Carlson. 1,812,035; June 30.
Hay rake, Sweep. G. A. Chadbourne. 1,839,141; Dec. 29.
Hay shocking machine. W. K. France. 1,833,282; Nov. 24.
Hay sling. H. H. Bergman. 1,796,881; Mar. 17.
Haystacker. F. Grabowska. 1,787,518; Jan. 6.
Hay stacker. H. F. Hutton. 1,795,722; Mar. 10.
Hay, Treating. O. Erf. 1,804,602; May 12.
Headache post. W. Eustice. 1,799,964; Apr. 7.
Headaches, Device for relieving. P. Hanke. 1,823,686; Sept. 15.
Head and casing for traffic signals, Combined. C. Adler, jr. Des. 84,726; July 28.

Head and tubing support, Casing. L. J. Mildren. 1,835,891; Dec. 8.
Head cape. C. H. Clarkson. 1,833,206; Nov. 24.
Head device for sand pumps and bailers. C. F. Rigby. 1,821,479; Sept. 1.
Headdress retaining device. J. E. Burns. 1,808,156; June 2.
Head, Drilling and swabbing. J. N. Hicks and C. Severns. 1 821,096; Sept. 1.
Head for a vault ventilator. O. B. McClintock. Des. 83,232–4; Feb. 3.
Head for can filling machines, Filling. J. Leonard. 1,814,168; July 14.
Head for the free ends of laces, Detachable. P. Schwarze. 1,823,412; Sept. 15.
Headgear and making the same. H. M. Lipper. Re18,081; May 26.
Headgear, Pneumatic. E. J. Ford. 1,833,708; Nov. 24.
Headlamp adjusting apparatus, Vehicle. C. E. Hunter. 1,808,039; June 2.
Headlamp construction. E. J. Whalen. 1,815,751; July 14.
Headlamp control. C. S. Ricker. 1,819,690; Aug. 18.
Headlamp, Fixed focus. S. F. Arbuckle. 1,826,712; Oct. 13.
Head lamp, Interior telescoping rim. S. W. Hyatt. 1,810,177; June 16.
Headlamp lens. A. Y. Dodge. 1,819,283; Aug. 18.
Headlamp locating and clamping band construction. F. W. C. Neuner. 1,813,755; July 7.
Headlamp, Motor vehicle. W. H. Chapman. 1,809,022; June 9.
Head-lamp mounting. E. W. Seaholm. 1,795,899; Mar. 10.
Head lamp, Vehicle. R. W. Johnson. 1,801,047; Apr. 14.
Headlamps for motor cars, Control for. W. E. Hutchison. 1,801,864; Apr. 21.
Headlight. G. H. Cushing. 1,796,322; Mar. 17.
Headlight. H. J. Godin. 1,803,900; May 5.
Headlight. F. C. Hacheney. Des. 83,803; Mar. 31.
Headlight. F. C. Hacheney. Des. 83,967; Apr. 21.
Headlight. F. C. Hacheney. 1,827,651; Oct. 13.
Headlight. R. M. Halbach. 1,798,083; Mar. 24.
Headlight. D. C. Hollister. Des. 83,900; Apr. 14.
Headlight. M. E. Luther. 1,793,233; Feb. 17.
Headlight. B. E. Melton. 1,814,326; July 14.
Headlight. P. Ring. 1,799,321; Apr. 7.
Headlight. C. K. Rizer. 1,805,886; May 19.
Headlight. H. Varder. 1,799,711; Apr. 7.
Headlight. J. B. Wardwell. 1,818,875; Aug. 11.
Headlight. R. F. Whittemore. 1,811,988; June 30.
Headlight. W. H. Wood. 1,793,662–3; Feb. 24.
Headlight, Adjustable. O. Anderson. 1,792,475; Feb. 17.
Headlight, Adjustable. H. L. Laipple. 1,795,565; Mar. 10.
Headlight adjusting device. E. Jenkins. 1,838,226; Dec. 29.
Headlight adjustments, Determining. S. L. Lebby. 1,829,097; Oct. 27.
Headlight attachment. W. A. Heller. 1,797,469; Mar. 24.
Headlight, Automobile. J. H. Coleman. 1,789,806; Jan. 20.
Headlight, Automobile. W. F. Doll. 1,796,191; Mar. 10.
Headlight, Automobile. R. Grubb. 1,788,191; Jan. 6.
Headlight, Automobile. C. A. Michel. 1,792,598; Feb. 17.
Headlight, Automobile. P. I. A. Runge. 1,807,102; May 26.
Headlight, Automobile. A. F. Schoen. 1,797,881; Mar. 24.
Headlight, Automobile. H. Siry. 1,806,424; May 19.
Headlight construction, Automobile. L. J. Toft. 1,793,569; Feb. 24.
Headlight control, Automobile. E. A. Jaen. 1,790,475;
Headlight dimmer. J. Maszni. 1,834,494; Dec. 1.
Headlight, Dirigible. J. M. Calkins. 1,798,062; Mar. 24. Jan. 27.
Headlight, Dirigible. J. M. Calkins. 1,820,117; Aug. 25.
Headlight, Dirigible. A. Chabrol. 1,822,882; Sept. 15.
Headlight, Dirigible. R. Heikens. 1,817,256; Aug. 4.
Headlight, Dirigible. G. S. Keck. 1,788,917; Jan. 13.
Headlight, Dirigible. J. Link. 1,809,173; June 9.
Headlight, Dirigible. A. B. McKay. 1,805,589; May 19.
Headlight, Dirigible. G. Z. Michaels. 1,792,503; Feb. 17.
Headlight, Dirigible. G. W. Wilson. 1,805,748; May 19.
Headlight, Dirigible. A. F. Wright and H. Houle. 1,798,051; Mar. 24.
Headlight-focusing device. L. C. Eichner. 1,791,891; Feb. 10.
Headlight for aircraft and the like. C. H. Larson. 1,800,301; Apr. 14.
Headlight for automobiles. E. S. Gerry. 1,806,897; May 26.
Headlight for automobiles, Dirigible. W. White. 1,833,100; Nov. 24.
Headlight for automobiles, Multiple-lamp. D. C. Morgan. 1,795,614; Mar. 10.
Headlight for automobiles, Steering. J. G. Holland. 1,812,336; June 30.
Headlight for motor vehicles. S. Cordes. 1,806,611; May 26.
Headlight for vehicles. G. Riess. 1,789,193; Jan. 13.
Headlight indicating device. W. F. Brown. 1,806,931; May 26.
Headlight, Locomotive. G. F. Miller. 1,817,091; Aug. 4.
Headlight, Motor vehicle. F. J. Jacobi. 1,819,682; Aug. 18.
Headlight, Nonglare. C. R. Pledger. 1,810,623; June 16.
Headlight of automobiles. J. Bayley. 1,823,249; Sept. 15.
Headlight-operating mechanism for motor cars and the like. J. Doms, H. Wolter, and R. Simon. 1,796,192; Mar. 10.
Headlight rim. E. L. Udell. 1,827,305; Oct. 13.
Headlight, Steering wheel operated. V. Krick. 1,821,220; Sept. 1.
Headlight structure. C. E. Moore. 1,818,735; Aug. 11.
Headlight, Vehicle. W. H. Wood. 1,788,934–5; Jan. 13.
Headlight, Vehicle. W. H. Wood. 1,788,937; Jan. 13.
Headlights and the like, Operating mechanism for dirigible. C. M. Cronkhite. 1,791,122; Feb. 3.
Headlights, Antiglare attachment for. H. P. Verdich. 1,805,606; May 19.
Headlights for automobiles and the like, Dimming device for. K. B. Karlebo. 1,834,542; Dec. 1.
Headlights, Illumination detector for. F. C. Kueppers. 1,802,976; Apr. 28.
Headlights of vehicles, Turning gear for the. F. R. Dietrich. 1,788,190; Jan. 6.
Headpiece, Meshed. H. Davis. 1,809,511; June 9.
Head rest. S. S. Campbell. 1,837,406; Dec. 22.
Headrest. C. I. Holmes. 1,817,625; Aug. 4.
Headrest. A. J. May. 1,817,755; Aug. 4.
Headrest. A. J. May. 1,821,560; Sept. 1.
Headrest. H. E. Weber. 1,814,876; July 14.
Headrest and invalid-raising mechanism for bedsteads and cots. L. R. Berry. 1,818.598; Aug. 11.
Headrest for bath tubs, Vacuum. C. E. Tyler. 1,806,103; May 19.
Headrest for beds. G. Herz. 1,818,395; Aug. 11.
Headrest for morticians, Adjustable. W. and C. G. Addington. 1,825,989; Oct. 6.
Headset. G. R. Lum. 1,835,792; Dec. 8.
Headwear. J. Emerson. 1,829,040; Oct. 27.
Headwear. A. M. Lowenthal. 1,804,356; May 5.
Headwear, knitted. H. Grumbach. 1,796,689; Mar. 17.
Header and support therefor. W. A. Jones. 1,804,780; May 12.
Header construction. J. Karmazin. 1,810,215; June 16.
Header for water tube boilers. B. B. Whittam. 1,821,683; Sept. 1.
Header, Grain. F. Gentry. 1,824,264; Sept. 22.
Header, Return. P. Y. Duffee. 1,826,999; Oct. 13.
Heading and trimming machine, Combined. R. H. Smith. 1,832,145; Nov. 17.
Heads and the like, Doll. A. Frisch. 1,807,207; May 26.
Heads of set screws and other articles, Finishing. G. A. Moore. 1,822,708; Sept. 8.
Hearing, Apparatus for and method of cultivating and improving the. J. W. MacDonald. 1,806,357; May 19.
Hearing, Apparatus to control. B. H. Ingebrigtsen. 1,837,868; Dec. 22.
Hearing device. C. Fensky. 1,824,427; Sept. 22.
Hearing tube. A. A. Johnson. 1,813,931; July 14.
Hearth. F. M. Simonds. 1,802,960; Apr. 28.
Hearth feeding mechanism, Scotch-. H. R. MacMichael. 1,791,628; Feb. 10.
Hearth furnace, Rotary-. E. G. de Coriolis, J. R. Moser, and A. L. Larsen. 1,796,144; Mar. 10.
Hearth furnace, Rotary. E. L. Smalley. 1,806,027; May 19.
Hearth-ring stand. J. Nowakowski. 1,798,622; Mar. 31.
Hearths, Charging machine for Scotch. H. R. MacMichael. 1,791,677; Feb. 10.
Heat absorption unit. D. H. Ebinger. 1,837,416; Dec. 22.
Heat abstraction. C. C. Heritage 1,817,983; Aug. 11.
Heat actuated mechanism. G. I. Rockwood. 1,819,124; Aug. 18.
Heat, Apparatus for generating. C. E. McCartney and R. Miller. 1,822,356; Sept. 8.
Heat. Apparatus for transmitting. C. C. Plumb. 1,790,555; Jan. 27.
Heat, apparatus for utilizing solar. C. G. Abbot. 1,801,710; Apr. 21.
Heat, Apparatus for utilizing solar. E. J. D. Coxe. 1,814,897; July 14.
Heat apparatus, Waste. R. P. Pescara. 1,813,543; July 7.
Heat conduit and protector therefor. A. Graziani. 1,806,455; May 19.
Heat conserving attachment for upright boilers. F. M. Simpson and R. Terry. 1,816,158; July 28.
Heat control apparatus. D. Firth. 1,819,284; Aug. 18.
Heat-control apparatus for intake gases of internal-combustion engines. A. Bachle. 1,800,426; Apr. 14.
Heat control for car heaters. A. H. Bates. 1,830,691; Nov. 3.
Heat control for radiators, Automatic. W. E. Roys. 1,789,911; Jan. 20.
Heat-control system. C. G. Preis. 1,796,766; Mar. 17.
Heat control system. W. L. Shafer. 1,831,929; Nov. 17.
Heat-control system, Electric. D. J. Stewart. 1,797,846; Mar. 24.
Heat control, System of. F. W. Obenhaus and G. R. Adams. Re18,289; Dec. 15.
Heat control, Thermostatic. D. Firth. 1,825,225; Sept. 29.
Heat controlling means for charge forming devices. W. G. Heginbottom. 1,801,918–19; Apr. 21.

Heat controlling means for charge forming devices. R. P. Wright. 1,803,784; May 5.
Heat controlling mechanism. H. L. Scott. 1,832,508; Nov. 17.
Heat controlling system. P. R. Owens. 1,812,897; July 7.
Heat-dissipating device for road vehicles. R. B. Day. 1,792,823; Feb. 17.
Heat dissipating device, Lubricant. G. A. Potter. 1,825,819; Oct. 6.
Heat distributor. W. M. Piggott. 1,820,826; Aug. 25.
Heat distributor and toaster. J. Ranz. 1,829,368; Oct. 27.
Heat distributor for cook stoves. C. A. Harpman. 1,808,550; June 2.
Heat distributor for floor registers. B. Klein. 1,835,953; Dec. 8.
Heat distributor plate for cook stoves. F. V. Detwiler. 1,810,132; June 16.
Heat economy method and apparatus. J. O. Ross. 1,819,265; Aug. 18.
Heat energy of fuel into useful working energy, Converting the. J. C. Groff. 1,804,413; May 12.
Heat equipment. O. S. Bowman. 1,813,228; July 7.
Heat exchange apparatus. D. W. Berlin. 1,804,083; May 5.
Heat-exchange apparatus. N. H. Gay. 1,789,739; Jan. 20.
Heat exchange apparatus. N. L. Hurd. 1,816,850; Aug. 4.
Heat-exchange apparatus. C. Leach. 1,799,471; Apr. 7.
Heat-exchange apparatus. A. E. Leek. 1,798,330; Mar. 31.
Heat-exchange apparatus. P. J. McIntyre. 1,789,591; Jan. 20.
Heat exchange apparatus. H. L. Miller. 1,803,435; May 5.
Heat exchange apparatus. C. D. Newton. 1,832,412; Nov. 17.
Heat exchange apparatus. W. H. Owen. 1,812,249; June 30.
Heat exchange apparatus. A. E. Paige. 1,826,950; Oct. 13.
Heat exchange apparatus. C. O. Sandstrom. 1,831,971; Nov. 17.
Heat exchange apparatus. E. Seaver. 1,807,638; June 2.
Heat exchange apparatus. D. J. Uble and J. V. Durin. 1,803,081; Apr. 28.
Heat exchange apparatus. R. J. Wightman and W. Astle. 1,822,915; Sept. 15.
Heat exchange apparatus and operating the same. G. C. Derry. 1,825,656; Oct. 6.
Heat exchange apparatus, Degreasing the interior of. S. B. Freeman. 1,832,697; Nov. 17.
Heat-exchange apparatus, Manufacture of. P. C. Kalloch, jr. 1,787,942; Jan. 6.
Heat exchange article. G. Shoop. 1,830,375; Nov. 3.
Heat exchange core assembling machine. E. H. Seelert. 1,802,929; Apr. 28.
Heat exchange device. D. W. Berlin. 1,804,083; May 5.
Heat exchange device. F. G. Cornell, jr. Re18,127; July 14.
Heat-exchange device. F. G. Cornell. 1,799,356; Apr. 7.
Heat-exchange device. H. V. Dalgliesh. 1,791,483; Feb. 3.
Heat exchange device. H. V. Dalgliesh. 1,834,604; Dec. 1.
Heat exchange device. N. Hubbard. 1,831,533; Nov. 10.
Heat exchange device. G. Kraenzlein. 1,833,291; Nov. 24.
Heat exchange device. A. B. Modine. 1,805,101; May 12.
Heat exchange device. A. B. Modine. 1,830,954; Nov. 10.
Heat exchange device. C. E. Safford. 1,825,209; Sept. 29.
Heat-exchange device. C. E. Scott. 1,788,068; Jan. 6.
Heat exchange device. M. S. Smith. 1,817,948; Aug. 11.
Heat exchange device. L. C. Soule. 1,832,147; Nov. 17.
Heat exchange device. F. W. Williams. 1,819,832; Aug. 18.
Heat exchange device. H. Zander. 1,823,481; Sept. 15.
Heat exchange, Effecting. W. D. La Mont. 1,825,321; Sept. 29.
Heat exchange element. H. V. Dalgliesh. 1,826,344; Oct. 6.
Heat exchange unit. A. B. Modine. 1,807,164; May 26.
Heat exchange unit. A. B. Modine. 1,836,271; Dec. 15.
Heat exchanger. J. B. E. Arnoult. 1,794,573; Mar. 3.
Heat exchanger. M. L. Benson. 1,812,509; June 30.
Heat exchanger. S. Brown. 1,790,897; Feb. 3.
Heat exchanger. C. T. Carlson. 1,828,799; Oct. 27.
Heat exchanger. W. M. Cross. 1,799,734; Apr. 7.
Heat exchanger. W. M. Cross. 1,820,349; Aug. 25.
Heat exchanger. H. C. Davis and W. H. Thompson. 1,826,747; Oct. 13.
Heat exchanger. W. Dyrssen. 1,835,148; Dec. 8.
Heat exchanger. K. N. Ehrhart. 1,788,386; Jan. 13.
Heat exchanger. O. Engler. 1,796,707; Mar. 17.
Heat exchanger. O. Engler. 1,802,413; Apr. 28.
Heat exchanger. C. R. Ewing and T. Montgomery. 1,833,871; Nov. 24.
Heat exchanger. H. M. Graham. 1,815,618; July 21.
Heat exchanger. I. Harter. 1,796,945; Mar. 17.
Heat exchanger. H. W. How. 1,790,151; Jan. 27.
Heat exchanger. P. C. Keith. 1,799,626; Apr. 7.
Heat exchanger. C. E. Lucke. 1,833,166; Nov. 24.
Heat exchanger. A. MacPhee. 1,810,286; June 16.
Heat exchanger. C. W. Metzgar. 1,813,754; July 7.
Heat exchanger. F. W. Ofeldt. 1,796,662; Mar. 17.
Heat exchanger. J. A. Potter. 1,803,034–5; Apr. 28.
Heat exchanger. J. Price. 1,809,910; June 16.
Heat exchanger. B. A. O. Prollius. 1,832,423; Nov. 17.
Heat exchanger. J. P. Rathbun. 1,799,391; Apr. 7.
Heat exchanger. K. E. Ris. 1,798,354; Mar. 31.
Heat exchanger. A. W. Ruff. 1,801,693; Apr. 21.
Heat exchanger. R. Uhde. 1,808,619; June 2.
Heat exchanger. J. E. Watson and V. S. Lewis. 1,833,666; Nov. 24.
Heat exchanger. J. N. and S. L. Wyndham. 1,824,107; Sept. 22.
Heat-exchanger apparatus. G. T. Jacocks. 1,794,336; Feb. 24.
Heat exchanger device. A. G. McKee. 1,835,074; Dec. 8.
Heat exchanger for mechanical refrigerating units. D. H. Ebinger. 1,825,265; Sept. 29.
Heat exchanger or desuperheater. W. H. Armacost. 1,829,846; Nov. 3.
Heat exchangers, Apparatus and method for. T. K. Sherwood. 1,838,043; Dec. 22.
Heat exchangers, Making. C. Steenstrup. 1,797,030; Mar. 17.
Heat exchangers, Manufacturing. J. O. Olson. Re18,078; May 19.
Heat exchanging, Apparatus for. F. E. Key. 1,813,057; July 7.
Heat exchanging, Apparatus for. G. T. Mott. 1,818,082; Aug. 11.
Heat exchanging device. W. A. Haven. 1,827,231; Oct. 13.
Heat-exchanging stone for air heaters and the like. O. Strack. 1,792,663; Feb. 17.
Heat exchanging tube. F. B. Allen. 1,829,731; Nov. 3.
Heat extractor. A. Conejos. 1,799,039; Mar. 31.
Heat from vapors produced in a process of decomposing petroleum oils, Returning and recovering. A. L. Strout. 1,834,228; Dec. 1.
Heat generating apparatus for heating and power purposes. C. M. Pattison. 1,832,786; Nov. 17.
Heat generating compound. J. R. Dulany. 1,814,741; July 21.
Heat generator. H. C. Caldwell. 1,789,543; Jan. 20.
Heat generator. P. M. Klein. 1,815,317; July 21.
Heat indicator, Motor. H. H. Boyce. Des. 85,806; Dec. 22.
Heat indicator. F. D. Smith, jr. 1,815,636; July 21.
Heat indicator. J. Zubaty. 1,815,642; July 21.
Heat indicator for automobiles. J. H. Athana. Des. 83,087; Jan. 20.
Heat indicator for motor vehicles. R. T. Hurley. 1,802,255; Apr. 21.
Heat indicator, Motor. H. C. Hebig. 1,811,468; June 23.
Heat in heating fluids, Apparatus for utilizing radiant. J. E. Bell and J. Anderson. 1,802,456; Apr. 28.
Heat insulating material. H. D. Geyer, A. H. Flower, and J. C. Housekeeper. 1,828,365; Oct. 20.
Heat insulating material, Refractory. D. W. Ross and J. M. Lamble. 1,812,376; June 30.
Heat-insulating ship surfaces, Method and equipment for. R. L. Hague. 1,835,646; Dec. 8.
Heat insulation. C. F. Fitter. 1,797,228; Mar. 24.
Heat insulation. E. R. Sitton. 1,832,143; Nov. 17.
Heat insulation material and composition. H. W. Greiber. 1,819,893; Aug. 18.
Heat intensifier for boilers. W. F. McPhee and H. C. Krueger. 1,827,033; Oct. 13.
Heat interchange and mixing apparatus. G. MacLean. 1,829,753; Nov. 3.
Heat interchange, Method of and apparatus for. H. H. Dow and G. H. Cannon. 1,823,033; Sept. 15.
Heat interchange, System of. G. T. Jacocks. 1,804,936; May 12.
Heat interchanger. C. K. Bennett. 1,831,337; Nov. 10.
Heat interchanger. H. Feldmeier. 1,821,934; Sept. 8.
Heat interchanger. O. E. Frank and H. P. Wilder. 1,810,165; June 16.
Heat interchanger, Rotary. A. Singrün. 1,839,057; Dec. 29.
Heat interchanging, Apparatus for. G. H. Horne and M. A. Lissman. 1,812,339; June 30.
Heat, Method and apparatus for exchanging. G. D. Dodd. 1,813,234; July 7.
Heat of an elastic fluid, Utilizing the. J. D. Houston. 1,788,673; Jan. 13.
Heat of incandescent coke or the like material, Utilization of the. E. Schumacher. 1,836,402; Dec. 15.
Heat or power generator, Internally fired. J. E. Shepherd. 1,811,654; June 23.
Heat, Process of applying. W. A. Darrah. 1,819,772; Aug. 18.
Heat processing machines, Platen mechanism for. C. A. Upson. 1,803,780; May 5.
Heat processing machines, Platen support for. J. A. Stevens. 1,803,779; May 5.
Heat producing element, Electrical. J. Ostrak. 1,809,565; June 9.
Heat recuperator or regenerator structure. V. W. Aubel and J. B. Fitz-Gibbon. 1,804,393; May 12.
Heat regulating device. D. G. Taylor. 1,827,340; Oct. 13.
Heat regulating device. W. E. Worth. 1,828,553; Oct. 20.
Heat regulator. D. J. Stewart. 1,812,668; June 30.
Heat-resisting surface. F. A. Fahrenwald. 1,798,460; Mar. 31.
Heat-retaining device. P. A. Rossi. 1,797,102; Mar. 17.

Heat steam-generating system, Waste-. W. D. La Mont. 1,801,013; Apr. 14.
Heat transfer. S. P. Burke. 1,835,557; Dec. 8.
Heat transfer. T. Midgley, jr., A. L. Henne, and R. R. McNary. 1,833,847; Nov. 24.
Heat transfer apparatus. C. J. Jones. 1,815,570; July 14.
Heat transfer at high temperatures. C. Field. 1,810,912; June 23.
Heat transfer device. I. Harter. 1,834,398; Dec. 1.
Heat transfer device. D. S. Jacobus. 1,808,169; June 2.
Heat transfer device. D. S. Jacobus. 1,810,178; June 16.
Heat-transfer device. W. A. Jones. 1,796,944; Mar. 17.
Heat transfer, Regulating and maintaining. H. R. Minor. 1,808,429; June 2.
Heat-transfer system, Liquid-circulating. D. J. Killen. 1,791,818; Feb. 10.
Heat transfer tube. F. X. Govers. 1,804,465; May 12.
Heat transference. E. Metcalfe-Shaw. 1,831,679; Nov. 10.
Heat transferrer. O. H. Hartmann and M. Hannig. 1,823,800; Sept. 15.
Heat transferrer. W. A. White. 1,816,757; July 28.
Heat transferring composition, Liquid. T. A. Moormann. 1,820,085; Aug. 25.
Heat transferring means. N. P. Setchkin. 1,818,762; Aug. 11.
Heat trap, Automatic. C. E. Peterson. 1,837,581; Dec. 22.
Heat treating. F. A. Fahrenwald. 1,828,036; Oct. 20.
Heat-treating apparatus. C. R. G. Stewart and C. J. Zern. 1,800,912; Apr. 14.
Heat treating, Apparatus for. F. L. Creager. 1,838,532; Dec. 29.
Heat-treating apparatus for canned goods. A. R. Thompson. 1,789,609; Jan. 20.
Heat-treating furnace. S. P. Axell. 1,795,819; Mar. 10.
Heat treating furnace. H. O. Breaker. 1,820,879; Aug. 25.
Heat-treating furnace. R. S. Cochran. 1,792,074; Feb. 10.
Heat-treating furnace. F. T. Cope. 1,794,151; Feb. 24.
Heat treating furnace. S. Kneass, jr. 1,837,779; Dec. 22.
Heat treating furnace. R. A. Vlieg. 1,805,360; May 12.
Heat treating metal parts. R. V. Wilson. 1,815,691; July 21.
Heat treating, System of. C. A. Martin. 1,808,241; June 2.
Heat treatment. C. I. Hayes. 1,808,721; June 2.
Heat treatment, Apparatus for. F. T. Cope and A. H. Vaughan. 1,799,957; Apr. 7.
Heat treatment, Apparatus for the control of industrial. T. C. Hazard. 1,804,378; May 5.
Heat treatment chamber. W. A. Morton and P. L. Geer. 1,828,904; Oct. 27.
Heat treatment of garnet abrasive. E. W. Colt. 1,836,448; Dec. 15.
Heat treatment of magnetic material. G. W. Elmen. 1,788,017; Jan. 6.
Heat treatment of metal articles. W. Beck. 1,799,945; Apr. 7.
Heat treatment of metalliferous materials, Apparatus for the. R. A. Stokes and E. G. L. Roberts. 1,788,351; Jan. 6.
Heat treatment of metals, Heating salt baths for. A. E. Bellis. 1,792,674; Feb. 17.
Heat treatment of pulverulent materials, Apparatus for the. J. N. Bailey. 1,829,495; Oct. 27.
Heat treatment of steel. W. M. Cross. 1,810,696; June 16.
Heat treatment, Rail. E. F. Kenney. 1,837,189; Dec. 22.
Heat utilizer. H. Weishaar. 1,809,538; June 9.
Heater; *See*—
Adjustable air blast heater.
Air heater.
Aquarium heater.
Auto heater.
Automobile heater.
Brooder heater.
Car heater.
Crank case and oil pump
Curling iron heater.
Domestic heater.
Down draft unit heater.
Electric heater.
Electric liquid heater.
Electric wall heater.
Electrical heater.
Electrical immersion heater.
Feed water heater.
Fireplace heater
Fluid heater.
Fuel heater.
Fuel oil heater.
Gas fired heater.
Gas heater.
Gas water heater.
Generator or water heater
Glass heater.
Hair waving heater.
Hot water heater.
Immersion heater.
Individual cup heater.
Induction heater.
Intake manifold heater.
Liquid heater.
Medical moxa heater.
Milk heater.
Oil burning heater.
Oil-discharge heater.
Oil heater.
Oil well heater.
Orchard heater.
Oven heater.
Plate air heater.
Radiant heater.
Radiator heater.
Sausage and roll heater.
Sectional heater.
Solar heater.
Space heater.
Steam heater.
Stovepipe heater
Tank heater.
Unit heater.
Vehicle heater.
Water heater.
Water supply heater.
Windshield heater.
Heater. A. H. Bates. 1,834,674; Dec. 1.
Heater. V. Boschetti. 1,827,639; Oct. 13.
Heater. L. S. Chadwick and C. J. Kessler. Des. 85,860; Dec. 29.
Heater. T. Ensel. 1,829,794; Nov. 3.
Heater. J. J. Goetz. Re18,218; Oct. 6.
Heater. K. W. Haupt. 1,792,090; Feb. 10.
Heater. J. L. Howard. 1,813,449; July 7.
Heater. B. B. Kahn. Des. 84,940–1; Aug. 25.
Heater. H. Lange. Des. 84,834; Aug. 11.
Heater. T. E. Murray, jr. 1,798,892; Mar. 31.
Heater. T. F. O'Brien. 1,796,761; Mar. 17.
Heater. G. Olson and E. H. Kehl. 1,835,323; Dec. 8.
Heater. C. B. Page and A. C. Kalk. 1,820,317; Aug. 25.
Heater. E. P. Plummer. 1,806,216; May 19.
Heater. L. E. Reiley. 1,814,335; July 14.
Heater. R. F. Schaber. 1,829,303; Oct. 27.
Heater. A. P. Schwalbach. 1,817,850; Aug. 4.
Heater. W. G. Wheeler. 1,797,627; Mar. 24.
Heater. J. W. White. 1,825,433; Sept. 29.
Heater and condenser, Water. H. J. Schneider. 1,828,344; Oct. 20.
Heater and exhaust manifold, Combined. R. B. Otwell. 1,803,436; May 5.
Heater and exhaust manifold for internal-combustion engines, Combined air. R. B. Otwell. 1,795,734; Mar. 10.
Heater and illuminator, Combined. E. L. Monnot. 1,805,291; May 12.
Heater and making the same, Air. H. J. Kerr. 1,817,987; Aug. 11.
Heater and mixer, Water. B. Lindberg. 1,801,513; Apr. 21.
Heater and operating the same, Air. G. D. Mantle and T. W. Munford. 1,790,870; Feb. 3.
Heater and pump, Locomotive feed water. E. H. Blunt. Re18,157; Aug. 18.
Heater and range, Combination. C. and C. Rogers. Des. 85,348; Oct. 13.
Heater and steam condenser, Water. J. H. Hudson. 1,790,306; Jan. 27.
Heater and steam generator, Combination hot-water. J. J. Gage. 1,794,953; Mar. 3.
Heater and storage device, Stack water. J. Digrius. 1,830,195; Nov. 3.
Heater and vaporizer, Film. C. W. Startford. 1,795,975; Mar. 10.
Heater and ventilator, Unit. E. L. Anderson. 1,823,579; Sept. 15.
Heater appliance. F. A. Gauger and R. W. Johnson. 1,796,286; Mar. 17.
Heater attachment. J. Gerhardt. 1,794,891; Mar. 3.
Heater attachment for automobiles. F. G. and W. M. Folberth. 1,811,829; June 23.
Heater attachment for windshields, Electric. J. Reig and A. Cruz. 1,802,271; Apr. 21.
Heater attachment, Water. L. Glashow. 1,834,699; Dec. 1.
Heater burner, Gas. W. B. Bastian. 1,801,946; Apr. 21.
Heater-circuit control. W. H. Harrington. 1,795,122; Mar. 3.
Heater construction, Coil. D. E. French. 1,787,444; Jan. 6.
Heater construction, Copper coil water. H. Howell. 1,827,581; Oct. 13.
Heater construction, Electric. J. H. Reichart. 1,813,767; July 7.
Heater construction for cathodes. A. N. Lucian. 1,797,990; Mar. 24.
Heater control. G. D. Barker. 1,833,888; Dec. 1.
Heater element and making it. S. Ruben. 1,829,237; Oct. 27.
Heater, Feed water. S. O. A. Fiedler. 1,804,214; May 5.
Heater for automobiles, Hot water. J. V. Harding and R. De Boer. 1,820,454; Aug. 25.
Heater for automotive shields. G. J. Creighton. 1,822,884; Sept. 15.
Heater for boilers of the horizontal type. J. W. Cannon. 1,795,832; Mar. 10.
Heater for boilers of the vertical type. J. W. Cannon. 1,816,110; July 28.
Heater for electric ranges, Water. W. Richardson and G. Steingruber. 1,813,124; July 7.
Heater for electrotype builders, Implement. W. W. McCarroll. 1,791,421; Feb. 3.
Heater for liquids, Electric. E. Rinderspacher and R. and C. Bergara. 1,805,885; May 19.
Heater for locomotives, Adjustable air blast. O. H. Stone and D. A. Cooper. 1,805,892; May 19.
Heater for motor driven vehicles. R. B. Otwell. 1,802,669; Apr. 28.
Heater for motor vehicles. R. B. Otwell. 1,827,998; Oct. 20.
Heater for permanent-wave machines, Multiplex. E. C. Auer and H. M. Hart. 1,800,712; Apr. 14.
Heater for preheating milk. R. B. Bagby. 1,797,312; Mar. 24.
Heater for shaping woods. T. T. Choy. 1,795,475; Mar. 10.
Heater for use with automobiles, Electric. O. L. and S. M. Peard and A. F. Harrison. 1,832,578; Nov. 17.
Heater for washing machines, Electric. L. Walle. 1,820,514; Aug. 25.
Heater for water bottles, Electric. W. K. Kise. 1,834,160; Dec. 1.
Heater for water-cooled engines. K. H. Bowen. 1,825,627; Sept. 29.
Heater for wrapping machines, Knife. F. R. Schmitt. 1,810,987; June 23.
Heater or cooler. D. R. McNeal. 1,811,402; June 23.
Heater or heat-transfer device, Auxiliary water. W. A. Daley. 1,796,509; Mar. 17.
Heater suspending reel. M. Salzman. 1,837,234; Dec. 24.

Heater system, Gas water. T. E. Perks. 1,831,879; Nov. 17.
Heaters, Air purge for water. F. O. Wallene. 1,799,715; Apr. 7.
Heaters and the like, Controller for automobile. P. F. Victor. 1,793,266; Feb. 17.
Heaters, Control for hot-water. R. H. Shadrick. 1,800,323; Apr. 14.
Heaters, Fusible air control for unit. L. D. Harnett. 1,787,623; Jan. 6.
Heaters, Method of and apparatus for cleaning feed water. E. L. Schellens. 1,824,505; Sept. 22.
Heaters, Regulating system for. R. W. Johnson. 1,835,307; Dec. 8.
Heating. C. C. Carson. 1,820,893; Aug. 25.
Heating agencies, Controlling system for. R. S. Blair. 1,787,434; Jan. 6.
Heating and cooling circulating drying mediums during drying by means of the same, Apparatus for alternately. J. G. Olsson and F. I. E. Stenfors. 1,795,094; Mar. 3.
Heating and cooling device for inclosed spaces. L. A. James. 1,826,471; Oct. 6.
Heating and cooling of buildings. J. L. Musgrave and E. Herring. 1,800,150; Apr. 7.
Heating and cooling system. L. L. Dollinger. 1,830,099; Nov. 3.
Heating and furnace used therewith. L. A. Mekler. 1,828,373; Oct. 20.
Heating and humidification system and apparatus. W. L. Fleisher. 1,821,886; Sept. 1.
Heating and humidifying unit. E. H. Holden. 1,825,116; Sept. 29.
Heating and illuminating device for fish aquariums. J. J. Ulman. 1,803,571; May 5.
Heating and supply of feed water in steam power plants. E. H. Smith. 1,838,007; Dec. 22.
Heating and ventilating and apparatus used therefor. F. A. Kitchen. 1,832,639; Nov. 17.
Heating and ventilating apparatus. G. E. Otis. Re18,109; June 23.
Heating and ventilating apparatus. J. C. Miles. 1,838,493; Dec. 29.
Heating and ventilating cars, Apparatus for. R. E. Bissell. 1,804,144; May 5.
Heating and ventilating furnace, Electric. T. A. Spalding. 1,829,765; Nov. 3.
Heating and ventilating system. W. Shurtleff. 1,838,504; Dec. 29.
Heating and ventilating unit. M. J. Callahan. 1,788,823; Jan. 13.
Heating and ventilating unit. W. Shurtleff. 1,838,505; Dec. 29.
Heating and ventilating unit. M. O. Snediker. 1,813,261; July 7.
Heating apparatus. B. R. Barber. 1,787,891; Jan. 6.
Heating apparatus. C. P. Bettenga. 1,803,690; May 5.
Heating apparatus. W. L. Clouse. 1,805,938; May 19.
Heating apparatus. H. R. and G. A. Humphrey. 1,788,158; Jan. 6.
Heating apparatus. R. Hutchinson. 1,791,504; Feb. 10.
Heating apparatus. A. T. Lewis. 1,819,608; Aug. 18.
Heating apparatus. S. J. Lonergan. 1,787,450; Jan. 6.
Heating apparatus. F. J. McAdams. 1,805,338; May 12.
Heating apparatus. S. H. McKnight. 1,790,828; Feb. 3.
Heating apparatus. R. L. Meyers. 1,838,430; Dec. 29.
Heating apparatus. A. B. Modine. 1,810,721; June 16.
Heating apparatus. J. P. Morley. 1,822,871; Sept. 8.
Heating apparatus. F. Puening. 1,799,702; Apr. 7.
Heating apparatus. W. A. Rember. 1,837,485; Dec. 22.
Heating apparatus. A. H. Robinson. 1,790,021; Jan. 27.
Heating apparatus. H. L. Schrankel. 1,805,556; May 19.
Heating apparatus. F. E. Sellman. 1,793,873; Feb. 24.
Heating apparatus. J. H. Sherts. 1,808,381; June 2.
Heating apparatus. M. M. Suppes. 1,802,095; Apr. 21.
Heating apparatus, Automobile. W. F. Pennock. 1,838,497; Dec. 29.
Heating apparatus, Automobile. C. W. Rundlett. 1,795,044; Mar. 3.
Heating apparatus, Automobile. C. B. Waters. 1,795,101; Mar. 3.
Heating apparatus, Electric. T. Okamoto. 1,792,390; Feb. 10.
Heating apparatus, Electric. E. L. Wiegand. 1,806,512; May 19.
Heating apparatus, Feed water. E. L. Schellens. 1,828,473; Oct. 20.
Heating apparatus for automotive vehicles. O. S. Caesar. 1,833,067; Nov. 24.
Heating apparatus for liquids. D. U. Powell. 1,810,185; June 16.
Heating apparatus for motor vehicles. A. R. Johnson. 1,833,903; Dec. 1.
Heating apparatus for railway cars. A. Franco. 1,816,369; July 28.
Heating apparatus for vehicles. Q. G. Noblitt. 1,818,268; Aug. 11.
Heating apparatus, Fuel control means for. L. E. Peters. 1,835,330; Dec. 8.
Heating apparatus having electrodes, Electrical water-. O. Graetzer. 1,788,669; Jan. 13.
Heating apparatus, Induction. O. Neiss. 1,814,225; July 14.
Heating apparatus, Milk-. C. E. North. 1,796,577; Mar. 17.
Heating apparatus, Oil-burning. A. J. Gilbert. 1,798,323; Mar. 31.
Heating apparatus particularly for use with incubators, Electrical. G. T. Church. 1,832,532; Nov. 17.
Heating apparatus, Pipe-. C. D. Barr. 1,788,611; Jan. 13.
Heating apparatus, Regulating means for gas-burning. N. T. Branche. 1,800,280; Apr. 14.
Heating apparatus, Steam turbine driven vacuum. I. C. Jennings. Re18,275; Dec. 8.
Heating appliance. F. M. Neff. 1,828,151; Oct. 20.
Heating appliance, Electric. J. A. Boyer. 1,818,191; Aug. 11.
Heating appliance, Electric. R. J. Carseth. 1,792,360; Feb. 10.
Heating appliance, Electrical. H. N. Shaw. 1,816,660; July 28.
Heating attachment for stoves, Air. T. A. Richards. 1,813,679; July 7.
Heating billets or the like. H. A. Dreffein. 1,803,007; Apr. 28.
Heating boiler. G. F. Bierbower. 1,830,635; Nov. 3.
Heating boiler. A. G. Cripps. 1,797,756; Mar. 24.
Heating boiler. G. T. Jacocks. 1,794,335; Feb. 24.
Heating boiler. J. M. Merz. 1,821,981; Sept. 8.
Heating boiler. L. Rainchon. 1,800,105; Apr. 7.
Heating buildings, Method and apparatus. R. A. Fessenden. 1,802,970; Apr. 28.
Heating-control attachment for hot-water boilers. R. F. Campbell. 1,790,533; Jan. 27.
Heating device. S. J. and P. P. Chlapowski. 1,828,644; Oct. 20.
Heating device. O. J. Fay, H. T. Heimberger, and E. Pugh. 1,810,164; June 16.
Heating device. R. M. Heames and H. Stark. 1,829,352; Oct. 27.
Heating device. C. B. Magrath. 1,831,816; Nov. 17.
Heating device. A. B. Modine. 1,800,842; Apr. 14.
Heating device. J. J. Parkinson. 1,834,070; Dec. 1.
Heating device. F. D. Rollins. 1,830,719; Nov. 3.
Heating device, Electric. F. E. Wolcott and L. V. Lucia. 1,824,585; Sept. 22.
Heating device, Electrical. R. M. Sparks. 1,820,842; Aug. 25.
Heating device, Electrical inductive and resistance. E. Fendt and K. Schörg. 1,805,908; May 19.
Heating device, Feed water. E. L. Schellens. 1,802,125; Apr. 21.
Heating device for internal-combustion engines, Catalytic. O. H. Wallin. 1,792,337; Feb. 10.
Heating device for motors. G. A. Paulson. 1,797,155; Mar. 17.
Heating device for the dry spinning method of producing artificial threads. A. Friederich. 1,804,530; May 12.
Heating device, Freezing tray. A. W. Berresford. 1,816,711; July 28.
Heating device, Windshield and car. J. S. Adams and B. Miller. 1,826,590; Oct. 6.
Heating device with heat accumulators. A. Pais. 1,817,394; Aug. 4.
Heating element. W. Hudson. 1,838,680; Dec. 29.
Heating element, Electric. H. H. Berry. 1,819,537; Aug. 18.
Heating element, Electrical. E. L. Wiegand. 1,795,628; Mar. 10.
Heating elements, Forming electrical. E. L. Wiegand. 1,821,822; Sept. 1.
Heating for drying, baking, distilling, and the like. A. R. Burnette. 1,801,263; Apr. 21.
Heating furnace. A. L. Culbertson. 1,789,966; Jan. 27.
Heating furnace. I. W. Frank, F. C. Biggert, jr., and T. J. Costello. 1,834,304; Dec. 1.
Heating furnace. A. W. Smith and R. B. Jones. 1,790,172; Feb. 10.
Heating furnace. A. Weigel. 1,818,661; Aug. 11.
Heating furnace, Continuous. F. J. Winder. 1,793,037; Feb. 17.
Heating in a gaseous atmosphere, particularly in a reducing or oxidizing atmosphere. H. Schaefer. 1,807,257; May 26.
Heating insulation. W. Pfeiffer. 1,815,115; July 21.
Heating means, Air-. J. P. Mauzey. 1,793,502; Feb. 24.
Heating means control for intake manifolds of internal combustion engines. W. G. Heginbottom and J. R. Francis. 1,812,950; July 7.
Heating means for airplane wings. P. W. Mellberg. 1,795,664; Mar. 10.
Heating means for casting pots. T. Bader. 1,808,718; June 2.
Heating or cooling device. G. and F. G. Winner. 1,798,290; Mar. 31.
Heating pack and composition therefor. V. R. Baysinger. 1,819,807; Aug. 18.
Heating plant. L. Losure. 1,797,096; Mar. 17.
Heating plant, Electric. E. Provencal. 1,828,294; Oct. 20.
Heating plants, Device for increasing the water circulation and for decreasing boiler resistances to flow in central. E. Schunemann. 1,824,574; Sept. 22.
Heating structure. P. Schaefer. 1,834,650; Dec. 1.
Heating substances, Method and apparatus for. S. E. Meyers. 1,792,918; Feb. 17.
Heating system. C. R. Baker. 1,798,923; Mar. 31.
Heating system. C. F. Brand. 1,808,761; June 9.

Heating system. N. L. Derby. 1,794,448; Mar. 3.
Heating system. S. E. Fouts 1,828,038; Oct. 20.
Heating system. R. E. Garvey. 1,789,678; Jan. 20.
Heating system and apparatus, Automobile. C. W. Rundlett. 1,795,045; Mar. 3.
Heating system and control mechanism therefor. E. J. Levy. 1,803,024; Apr. 28.
Heating system and heater, Automobile. V. G. Ellen. 1,814,744; July 14.
Heating system, Bus. L. P. Hynes. 1,804,875; May 12.
Heating system, Bus. L. P. Hynes. 1,824,820; Sept. 29.
Heating system, Diaphragm-controlled gas valve. P. F. Shivers. 1,796,544; Mar. 17.
Heating system and control therefor. D. J. Stewart. 1,826,100; Oct. 6.
Heating system, Electric. L. P. Hynes. 1,788,107; Jan. 6.
Heating system for automobiles. W. J. Wade. 1,828,989; Oct. 27.
Heating system for automobiles and coupling therefor. J. S. Douglass, jr. 1,826,169; Oct. 6.
Heating system for automobiles, Steam. J. S. Douglass, jr. 1,826,168; Oct. 6.
Heating system for automotive vehicles. A. H. Bates. 1,837,647; Dec. 22.
Heating system for fluids, Electric. H. Heroy. 1,825,793; Oct. 6.
Heating system for ironing machines. G. W. Akerlow. 1,819,534; Aug. 18.
Heating system for liquids. F. E. Lichtenthaeler. 1,819,517; Aug. 18.
Heating system for locomotives, Feed water. G. H. Emerson. 1,817,811; Aug. 4.
Heating system, Hot water. A. E. Klein. 1,807,481; May 26.
Heating system, Hot water. O. H. Schlemmer. 1,821,773; Sept. 1.
Heating system, House. H. L. Doherty. 1,819,459; Aug. 18.
Heating system, House. A. L. Klees. 1,819,560; Aug. 18.
Heating system, Intake mixture. H. L. Horning. 1,822,147; Sept. 8.
Heating system, Regenerative. W. Dyrssen. 1,811,459; June 23.
Heating system, Regenerative. W. Dyrssen. 1,835,210; Dec. 8.
Heating system, Steam. B. H. Jarvis. 1,802,383-4; Apr. 28.
Heating system, Steam. A. J. Larsson. 1,787,485; Jan. 6.
Heating system, Train. J. C. Stillman. 1,817,426; Aug. 4.
Heating system, Vacuum. R. N. Trane. 1,828,302; Oct. 20.
Heating system, Vacuum steam. I. C. Jennings. 1,832,398; Nov. 17.
Heating system, Vapor. T. B. Jarvies. 1,799,467; Apr. 7.
Heating systems, Bus. L. P. Hynes. 1,830,658; Nov. 3.
Heating unit. W. H. Hermsdorf. 1,832,389; Nov. 17.
Heating unit. A. B. Modine. 1,830,327; Nov. 3.
Heating unit, Electric. C. M. Brodnax and J. Loizzo. 1,797,712; Mar. 24.
Heating unit, Electric. J. C. Woodson. 1,823,925; Sept. 22.
Heating unit, Removable. R. S. Heise. 1,831,110; Nov. 10.
Heating, ventilating, and humidifying appliance. C. A. Moore. 1,789,560; Jan. 20.
Hectograph machines, Carriage roll release for. J. P. Pederson. 1,820,244; Aug. 25.
Heddle frame. J. J. Kaufmann. 1,821,647; Sept. 1.
Heddle frame. J. Walker, jr. 1,821,596; Sept. 1.
Hedge cutter. G. G. Masek. 1,832,993; Nov. 24.
Hedge trimmer. J. Altland. 1,799,721; Apr. 7.
Hedge trimmer. W. R. Bankson. 1,839,009; Dec. 29.
Hedge trimmer. C. C. Craft. 1,837,655; Dec. 22.
Hedge trimmer. M. Finocchiaro. 1,833,246; Nov. 24.
Hedge trimmer. I. Evans. 1,811,463; June 23.
Hedge trimmer. L. S. Peterson. 1,806,116; May 19.
Hedge trimmer. A. Thibault. 1,787,802; Jan. 6.
Hedge trimmer. E. L. Young. 1,805,323; May 12.
Hedge trimmer, Motor. J. and P. Lepiane. 1,838,690; Dec. 29.
Heel. J. Burger. 1,797,940; Mar. 24.
Heel. A. C. Hayden. 1,825,692; Oct. 6.
Heel. D. W. Lewis. 1,820,539; Aug. 25.
Heel. I. Simon. 1,813,515; July 7.
Heel and making and covering the same. N. H. Knowlton and W. H. Nutt. 1,820,915; Sept. 1.
Heel and method of knitting, Fashioned. W. S. Parker. 1,798,804; Mar. 31.
Heel, Anti-slip rubber. J. J. Murphy. 1,829,941; Nov. 3.
Heel assembling machine. E. R. Pope. 1,835,082; Dec. 8.
Heel attaching device. J. Wolf. 1,827,058; Oct. 13.
Heel base. J. B. Hadaway. 1,836,240; Dec. 15.
Heel base, Shoe. V. Meninno. 1,829,150; Oct. 27.
Heel, Boot and shoe. C. T. A. Shearer. 1,803,215; Apr. 28.
Heel brace. J. F. Cox. 1,830,091; Nov. 3.
Heel breasting machine. F. A. Day. Re118,199; Sept. 22.
Heel breasting machine. F. A. Day. 1,807,153; May 26.
Heel clamp for shoemakers, Adjustable. P. Kaplan and J. Kohn. 1,827,152; Oct. 13.
Heel, Composite shoe. B. Gilowitz. 1,821,633; Sept. 1.
Heel concaving machine, Wood. J. C. Shambow. 1,834,075; Dec. 1.
Heel covering machine. L. J. Bazzoni. 1,833,148; Nov. 24.
Heel covers, Trimming. C. G. Brostrom. 1,834,677; Dec. 1.
Heel cushion for automobiles. M. B. Jamieson. 1,809,706; June 9.
Heel, Detachable. A. C. Blackburn. 1,824,651; Sept. 22.
Heel, Detachable. J. Starks. 1,831,268; Nov. 10.
Heel, Detachable. J. D. Zubia and M. S. Gutierrez. 1,829,252; Oct. 27.
Heel, Detachable rubber. R. Bello. 1,800,590; Apr. 14.
Heel, Detachable rubber. P. Lee. 1,805,738; May 19.
Heel, Detachable shoe. J. D. Zubia and M. S. Gutiérrez. 1,829,253; Oct. 27.
Heel device, Shoe-. R. Caiazzo. 1,794,944; Mar. 3.
Heel drilling machine. F. E. Bertrand. 1,811,873; June 30.
Heel, Exchangeable resilient. F. Tager. 1,790,332; Jan. 27.
Heel for boots and shoes, Exchangeable. M. J. Jørgensen. 1,832,463; Nov. 17.
Heel for footwear. J. Crookshanks. 1,819,874; Aug. 18.
Heel for plumb bobs. J. A. Gilman. 1,826,465; Oct. 6.
Heel for shoes. H. B. Duysen. 1,823,134; Sept. 15.
Heel-grooving machine, Wood. N. W. Kinney. 1,790,925; Feb. 3.
Heel-lift-cementing machine. F. Ashworth and C. A. Newhall. 1,788,610; Jan. 13.
Heel lift, Removable. V. Marino. 1,808,963; June 9.
Heel, Loaded rubber. G. O'Gorman. 1,806,641; May 26.
Heel machine. F. Ashworth. 1,790,084; Jan. 27.
Heel making machine. F. Ashworth. 1,807,818; June 2.
Heel-making machine. C. I. Pollard. Re17,942; Jan. 27.
Heel-making machine. W. N. Sawyer. 1,787,642; Jan. 6.
Heel making, Wood-. A. F. Cook. 1,787,615; Jan. 6.
Heel member for boots and shoes. C. Roberts. 1,798,355; Mar. 31.
Heel nailing machine. J. F. Standish. 1,802,845; Apr. 28.
Heel pad. G. A. Richard. 1,816,495; July 28.
Heel plate clamp. F. D. Reynolds. 1,831,608; Nov. 10.
Heel, Pneumatic. C. M. McBride. 1,819,565; Aug. 18.
Heel protector. J. W. McDermott. 1,816,784; July 28.
Heel, Removable. M. Pudin. 1,825,202; Sept. 29.
Heel, Resilient. B. R. McKinney. 1,824,287; Sept. 22.
Heel, Resilient. M. Siegel. 1,832,744; Nov. 17.
Heel, Rubber. A. C. Bain. Des. 84,803; Aug. 11.
Heel, Rubber. C. F. Benz. 1,820,043; Aug. 25.
Heel, Rubber. J. F. Bradley. 1,821,878; Sept. 1.
Heel, Rubber. H. M. Tyner and B. L. Smith. 1,790,886; Feb. 3.
Heel-seat fitting machine. H. A. Ballard. 1,834,083; Dec. 1.
Heel-seat fitting machine. E. A. Bessom. 1,837,399; Dec. 22.
Heel shaping machine. H. A. Bertram. 1,803,587; May 5.
Heel, Shoe. J. Burger. 1,792,965; Feb. 17.
Heel, Shoe. C. H. Coulson. 1,803,236; Apr. 28.
Heel, Shoe. H. Crossman, A. Greenbaum, and M. J. Bernstein. Des. 83,150; Jan. 27.
Heel, Shoe. A Ehrenfried. 1,809,405; June 9.
Heel, Shoe. B. Gilowitz. 1,791,200; Feb. 3.
Heel, Shoe. B. Gilowitz. 1,838,824; Dec. 29.
Heel, Shoe. M. Q. Mancini. 1,818,233; Aug. 11.
Heel, Shoe. A. F. Niggle, jr. 1,831,925; Nov. 17.
Heel, Shoe. L. M. Oakley. Des. 83,639; Mar. 10.
Heel, Shoe. C. Sandler. 1,807,935; June 2.
Heel, Shoe. O. Teodorini. 1,834,748; Dec. 1.
Heel supporter for shoes. L. A. Cook. 1,792,677; Feb. 17.
Heel-tap trimmer. L. Schildknecht. 1,788,545; Jan. 13.
Heel, Wooden. P. T. Gabriel. 1,791,925; Feb. 10.
Heels, Covering. W. H. Nutt. 1,804,430; May 12.
Heels, Device for attaching. F. E. Bertrand. 1,805,539; May 19.
Heels, Forming composite. J. Jasus. 1,797,090; Mar. 17.
Heels, Making wood. A. F. Cook. 1,838,807; Dec. 29.
Heels, Method of and machine for building. D. Parks. 1,799,117; Mar. 31.
Heels, Method of and machine for nailing. A. H. Prenzel. 1,830,622; Nov. 3.
Heels to shoes, Apparatus for use in attaching. F. E. Bertrand. 1,826,723; Oct. 13.
Height gauge. J. H. Jacobs. 1,824,153; Sept. 22.
Height measuring device. B. W. Curry. 1,820,447; Aug. 25.
Helical springs, Interlocked crossed. D. Hanauer. 1,788,867; Jan. 13.
Helicoplane. R. Luzardo. 1,812,968; July 7.
Helicopter. M. B. Bleecker. 1,819,883; Aug. 18.
Helicopter. R. Chillingworth. 1,824,195; Sept. 22.
Helicopter. W. A. Clark. 1,816,315; July 28.
Helicopter. M. L. Darr. 1,819,075; Aug. 18.
Helicopter. R. Tarshis. 1,807,353; May 26.
Helicopter. H. Wettstein. 1,788,218; Jan. 6.
Helicopter. K. J. Yost. 1,801,184; Apr. 14.
Helium from other gases containing the same, Extraction of. R. R. Bottoms. 1,821,540; Sept. 1.
Helmet. J. M. Lewis. 1,835,883; Dec. 8.
Helmet, Aviator's. E. T. Allen. 1,810,549; June 16.
Helmet, Aviator's. G. W. Rogers. 1,788,320; Jan. 6.
Helmet, Communicating. A. A. Rodgers. 1,811,280; June 23.
Helmet, Knitted. H. Grumbach. 1,795,599; Mar. 10.
Helmet, Sand blast. F. M. Bowers. 1,838,611; Dec. 29.
Hemiglobinometer. H. L. Walter. 1,826,849; Oct. 13.
Hemmer. R. J. Sailer. 1,826,677; Oct. 6.
Hemstitching attachment. A. B. and S. E. Briggs. 1,818,035; Aug. 11.

Hen house. C. A. Thomas. Des. 83,707; Mar. 17.
Heterodyne detector, Oscillating. J. M. Grigg. 1,803,247; Apr. 28.
Heterodyne receiver arrangement, Beat frequency. S. Loewe. 1,819,609; Aug. 18.
Heterodyne receiving apparatus. H. Chireix. 1,794,365; Mar. 3.
Hexachlorethane, Making. G. M. Bartlett. 1,800,371; Apr. 14.
Hexamethylenetetramine and the product, Oxidizing and nitrating. E. L. D'Asteck. 1,835,697; Dec. 8.
Hides and skins, Tanning. J. Denniss and T. Reid. 1,828,130; Oct. 20.
Hides and skins, Tanning. A. Hoyt. 1,824,549; Sept. 22.
Hides for the production of leather, Treatment of. C. W. Nance. 1,832,235; Nov. 17.
Hides, skins and the like, Apparatus for fleshing. L. N. Henry. 1,806,258; May 19.
Hides, Tanning. J. M. Brown. 1,800,131; Apr. 7.
High chair. A. V. Shipman. Des. 85,119; Sept. 15.
High chair, Adjustable. P. A. Shaver. 1,800,668; Apr. 14.
High-frequency apparatus. E. Goebeler. 1,794,288; Feb. 24.
High frequency modulating system. F. Gerth. 1,835,388; Dec. 8.
High-frequency repeater. J. L. Woodworth. 1,796,071; Mar. 10.
High-frequency system. S. Turner. 1,794,391; Mar. 3.
High potential generator, Constant. A. Mutscheller. 1,823,463; Sept. 15.
High potential switch. H. B. Massey. 1,838,696; Dec. 29.
High pressure boiler. W. A. J. Kreager. 1,793,178; Feb. 17.
High-pressure boiler. E. W. Souter. 1,794,801; Mar. 3.
High pressure joint. W. I. Nevius. 1,835,963; Dec. 8.
High pressure joint. J. C. Woodruff. 1,835,921; Dec. 8.
High-tension switch. C. G. Koppitz. 1,793,177; Feb. 17.
High tension switch. F. H. Wappler. 1,809,366; June 9.
High voltage switch. W. R. Huttinger. 1,839,101; Dec. 29.
Highway control system for automobiles, Trackless. C. Adler, jr. 1,803,290; Apr. 28.
Hinge. G. W. Aldeen. 1,831,988; Nov. 17.
Hinge. R. A. Aldeen. 1,838,898; Dec. 29.
Hinge. A. Anderson. 1,821,606; Sept. 1.
Hinge. H. R. Bird. 1,805,324; May 12.
Hinge. G. C. Bohn. Des. 83,491; Mar. 3.
Hinge. G. C. Bohn. Des. 84,178; May 19.
Hinge. V. J. Bolakowski. 1,821,136; Sept. 1.
Hinge. E. Burton. Des. 84,460; June 23.
Hinge. W. M. Hanson. 1,810,888; June 16.
Hinge. B. S. Lewis. 1,788,490; Jan. 13.
Hinge. D. J. McEwan. 1,793,946; Feb. 24.
Hinge. J. P. McKinney, jr. 1,800,311; Apr. 14.
Hinge. N. A. Mears. 1,794,790; Mar. 3.
Hinge. N. A. Mears. 1,799,309–10; Apr. 7.
Hinge. R. N. Purdy. 1,830,885; Nov. 10.
Hinge. W. F. Robertson. 1,793,013; Feb. 17.
Hinge. H. F. L. J. Rocheron. 1,803,438; May 5.
Hinge. G. E. Roedding. Des. 85,058; Sept. 8.
Hinge. F. H. Schwartz. Des. 83,888; Apr. 7.
Hinge. H. E. Sipe. 1,817,773; Aug. 4.
Hinge. J. Soss. 1,824,451; Sept. 22.
Hinge. M. M. Suppes. 1,807,675; June 2.
Hinge. M. H. Toncray and J. W. Greig. 1,812,908; July 7.
Hinge. F. B. Walter. 1,810,508; June 16.
Hinge. H. E. Woernle. 1,800,238; Apr. 14.
Hinge and check, Door. J. M. Eva. 1,816,834; Aug. 4.
Hinge and doorcheck, Combination. J. Fabry. 1,823,263; Sept. 15.
Hinge and lock for dump bodies, Combined. H. A. Winter. 1,837,308; Dec. 22.
Hinge, Ball bearing. W. D. Ferris. 1,836,232; Dec. 15.
Hinge butts, Manufacturing. J. Soss. 1,830,006; Nov. 3.
Hinge, Closet seat. F. G. Brotz. 1,824,770; Sept. 29.
Hinge, Concealed. G. E. Pickup. 1,835,331; Dec. 8.
Hinge, Concealed. J. Soss. 1,797,802; Mar. 24.
Hinge, Concealed check toilet seat. W. A. Carmichael. 1,833,890; Dec. 1.
Hinge connection for airplane control surfaces, Concentric. B. S. Stewart. 1,804,520; May 12.
Hinge connection for water closet seats and covers. H. C. Leslie. 1,838,420; Dec. 29.
Hinge construction. W. H. Hart. 1,824,886; Sept. 29.
Hinge construction for stoves, Door. A. B. Herman. 1,819,644; Aug. 18.
Hinge construction, Multiple. J. Albrecht. 1,834,039; Dec. 1.
Hinge, Desk. C. E. Stevens. 1,791,690–1; Feb. 10.
Hinge, Door. F. Kreiner. 1,824,217; Sept. 22.
Hinge, Door. C. L. Phillips. 1,799,315; Apr. 7.
Hinge for electric grids. E. F. Reinhardt. 1,837,232; Dec. 22.
Hinge for foldable awning supports, Spring. L. B., N., W., and J. M. Goldberg. 1,815,199; July 21.
Hinge for gas ranges, Oven-door. W. D. Antrim. 1,798,114; Mar. 24.
Hinge for nonmetallic spectacle-frames, Metallic ball-head. H. Haase. 1,814,032; July 14.
Hinge for toilet seats and covers. J. Pudleiner. 1,804,114; May 5.
Hinge for vat covers. O. Larsen. 1,809,047; June 9.
Hinge for waffle irons. A. and M. Bersted. 1,801,260; Apr. 21.
Hinge for water closet seats and covers. W. A. Henn. 1,825,456; Sept. 29.
Hinge, Floor rack. M. S. Johnson. 1,835,221; Dec. 8.
Hinge, Friction. H. E. Woernle. 1,818,182; Aug. 11.
Hinge, Friction. H. E. Woernle. 1,835,129; Dec. 8.
Hinge, Friction pivot. A. C. Goddard. 1,825,147; Sept. 29.
Hinge, Hood. H. G. Kellogg. Des. 84,522; June 30.
Hinge or similar article. A. S. Katz. Des. 85,477; Nov. 3.
Hinge perforation, Loose-leaf. P. Cravitz. 1,797,900; Mar. 24.
Hinge, Pivot. F. C. Garrison. 1,807,063; May 26.
Hinge, Refrigerator. W. M. Myers. Des. 83,694; Mar. 17.
Hinge seat cutter. L. Bruun. 1,829,921; Nov. 3.
Hinge, Self locking. G. H. Chester. 1,837,204; Dec. 22.
Hinge, Spring. A. Rubin. 1,810,534; June 16.
Hinge, Spring pivot. W. J. Keene. 1,827,365; Oct. 13.
Hinge, Toilet-seat. H. Von Phul. 1,797,488; Mar. 24.
Hinge, Wardrobe-container disengageable. J. Ritter, jr. 1,796,962; Mar. 17.
Hinge, Window-sash. A. Mitchell and J. W. Smith. 1,799,859; Apr. 7.
Hinges, Manufacturing piano type hood. H. G. Kellogg. 1,801,559; Apr. 21.
Hinging means. H. I. Morris. 1,833,328; Nov. 24.
Hitch. R. R. Kluck. 1,835,880; Dec. 8.
Hitch, Automatic release implement. A. Lang. 1,830,739; Nov. 3.
Hitch connection. O. F. Carlson. 1,835,592; Dec. 8.
Hitch for farm machinery, Tractor. J. W. Rush. 1,803,770; May 5.
Hitch for plows, Four-horse. C. F. Ortman. 1,800,098; Apr. 7.
Hitch, Safety release. G. Grimsrud. 1,798,979; Mar. 31.
Hitch, Tractor. F. D. Helmke. 1,839,099; Dec. 29.
Hob. C. G. Olson. 1,787,590; Jan. 6.
Hob. C. G. Olson. 1,792,548; Feb. 17.
Hob grinding machine. J. Edgar. Re18,247; Nov. 10.
Hobby horse. B. H. Dunkley. 1,808,887; June 9.
Hobby horse. W. J. Frink. 1,800,013; Apr. 7.
Hobbing machines, Feeding mechanism for. E. A. Bayton. 1,804,303; May 5.
Hobs, Grinding. J. Edgar. Re18,246; Nov. 10.
Hobs, Grinding. C. G. Olson. 1,788,737; Jan. 13.
Hoe. E. W. Craig. 1,823,438; Sept. 15.
Hoe. S. Kuno. 1,805,289; May 12.
Hoe and rake, Combination. D. M. Fulknier, jr., and E. R. Stanley. 1,794,284; Feb. 24.
Hoe, Power. H. L. Mitchell. 1,832,911; Nov. 24.
Hoe, Power-driven. J. Major. 1,801,017; Apr. 14.
Hoe, Power operated. J. C. Ditlevsen. 1,827,074; Oct. 13.
Hoe, Rotary. G. E. Karl. Des. 83,811; Mar. 31.
Hoe, Rub. W. E. Chase. 1,809,743; June 9.
Hoe, Serrated-edge. C. Pleas. 1,793,290; Feb. 17.
Hoe, Trench. A. Orloff. 1,793,126; Feb. 17.
Hoe, Triangular garden. C. H. Ennis. 1,832,193; Nov. 17.
Hoe, Weeding. L. Koennecke. 1,787,687; Jan. 6.
Hoes, Rake attachment for. C. Coppock. 1,808,293; June 2.
Hoes, Traveling back post for power. W. W. Sayers. 1,816,701; July 28.
Hog house, Portable. H. Hoegermeyer. 1,823,940; Sept. 22.
Hog ringing device. N. Brown. 1,815,545; July 21.
Hoist. O. E. Clark. 1,817,736; Aug. 4.
Hoist. F. D. Foradas and T. Hasapes. 1,824,339; Sept. 22.
Hoist. E. S. Goodspeed. 1,835,563; Dec. 8.
Hoist. J. P. Johnson. 1,833,648; Nov. 24.
Hoist. S. Norman. 1,838,783; Dec. 29.
Hoist. R. Osgood. 1,834,598; Dec. 1.
Hoist apparatus. C. F. Osgood. 1,791,744; Feb. 10.
Hoist attachment for automobile trucks. J. G. Marish. 1,799,917; Apr. 7.
Hoist, Brick handling. R. A. Fontaine. 1,811,924; June 30.
Hoist, Curtain. V. S. McKenny and R. R. Crooke. 1,831,128; Nov. 10.
Hoist end gate, Mechanical. E. L. Fosdick. 1,826,513; Oct. 6.
Hoist, Fire hose. G. W. Gardner and J. R. Underhill. 1,826,658; Oct. 6.
Hoist, Fluid. J. F. Heil and E. B. Gruber. 1,819,167; Aug. 18.
Hoist, Horizontal. J. P. Heil and C. G. Eisenberg, jr. 1,798,469; Mar. 31.
Hoist-line sling. C. S. Nelson. 1,792,439; Feb. 10.
Hoist, Mast. C. G. Schmid. 1,834,652; Dec. 1.
Hoist, Mechanical. J. P. Heil and C. G. Eisenberg, jr. 1,789,975; Jan. 27.
Hoist or lifting mechanism. H. L. Campbell. 1,792,359; Feb. 10.
Hoist, Remote control. J. V. Dyrr. 1,805,482; May 19.
Hoist Rope. W. P. Radt. 1,796,875; Mar. 17.
Hoist, Screw. W. G. Weidner. 1,792,339; Feb. 10.
Hoist, Telescopic fluid. J. P. Heil and G. L. Landry. 1,819,168; Aug. 18.
Hoistway enclosure. F. A. Davidson. 1,799,959; Apr. 7.
Hoisting a floating object subject to wave action, Device for. T. S. Miller. 1,804,945; May 12.
Hoisting and hauling apparatus of the form commonly known as canyon skidders, Aerial. J. M. Meany and J. H. Dickinson. 1,789,472; Jan. 20.

Hoisting and hauling machines, Spar-supporting means for use on. K. Berger. 1,798,397; Mar. 31.
Hoisting apparatus. S. P. Carroll. 1,798,456; Mar. 31.
Hoisting apparatus. C. R. Pratt. 1,828,748; Oct. 27.
Hoisting apparatus. C. Zetterlund. 1,810,936; June 23.
Hoisting device. H. S. Geer. 1,833,484; Nov. 24.
Hoisting device. N. W. Kyle. 1,823,833; Sept. 15.
Hoisting device. L. A. Maxson. 1,791,733; Feb. 10.
Hoisting device. C. G. Wright. 1,836,218; Dec. 15.
Hoisting device, Safety. E. J. Hittle. 1,793,317; Feb. 17.
Hoisting device, Spring. T. A. Creighton. 1,796,981; Mar. 17.
Hoisting machine, Portable. F. J. Shepard, jr., and N. Warshaw. 1,789,025; Jan. 13.
Hoisting machinery for elevators. S. E. Buettell. 1,834,937; Dec. 8.
Hoisting mast. H. J. Powers. 1,816,654; July 28.
Hoisting mechanism. E. G. Gartin. 1,791,894; Feb. 10.
Hoisting mechanism. M. P. Holmes. 1,792,092; Feb. 10.
Hoisting mechanism. L. A. Maxson. 1,192,109; Feb. 10.
Hoisting mechanism. H. G. McIlvried. 1,822,629; Sept. 8.
Hoisting mechanism. C. F. Osgood. 1,791,742–3; Feb. 10.
Hoisting mechanism. R. C. Osgood. 1,791,745; Feb. 10.
Hoisting mechanism. R. C. Osgood. 1,792,115; Feb. 10.
Hoisting mechanism. C. F. Osgood. 1,792,116; Feb. 10.
Hoisting mechanism. C. F. Osgood. 1,792,467; Feb. 10.
Hoisting mechanism. F. F. Seaman. 1,802,091; Apr. 21.
Hoisting mechanism. T. Zetterlund. 1,788,938; Jan. 13.
Hoisting mechanism for concrete mixers, Skip. E. H. Lichtenberg. 1,814,564; July 14.
Hoisting rigging. C. F. Ellison. 1,802,886; Apr. 28.
Hoisting sling. A. Lundquist. 1,824,027; Sept. 22
Hoists, Sectional knockdown tower for. W. A. Kuhlman. 1,819,031; Aug. 18.
Hold-back means for curtains. G. W. Dover. 1,836,017; Dec. 15.
Holder. L. M. Kern. 1,828,668; Oct. 20.
Holder. T. G. McGirr. 1,817,262; Aug. 4.
Holder. N. C. Shipman. 1,800,362; Apr. 14.
Holder, Abrasive stone. F. J. Jeschke. 1,821,518; Sept. 1.
Holder, Adaptable wheel. H. R. Kennedy. 1,809,169; June 9.
Holder, Adjustable crayon. J. P. Nicholas. 1,798,029; Mar. 24.
Holder, Adjustable curtain. F. Breuer. 1,817,962; Aug. 11.
Holder, Adjustable necktie. P. Kraft. 1,837,325; Dec. 22.
Holder, Adjustable tail. F. B. Judy. 1,810,832–3; June 16.
Holder and clamp, Tooth band. A. E. Pock. 1,809,423; June 9.
Holder and ash tray, Combination cigarette. D. J. Slack. Des. 85,602; Nov. 17.
Holder and ash tray or similar article, Combination cigarette. L. Cross. Des. 85,165; Sept. 22.
Holder and base, Combination fountain pen. G. Graff. Des. 85,643–4; Dec. 1.
Holder and burnt match receiver, Combined match. E. M. Myers. 1,837,131; Dec. 15.
Holder and carrier for a riveting machine. A. R. Havener. 1,820,224; Aug. 25.
Holder and clamp. E. H. Wetherbee. 1,821,488; Sept. 1.
Holder and cutter, Combined thread. A. A. Gordon. 1,826,312; Oct. 6.
Holder and cutter therefor, Forming tool. J. M. Luers. 1,835,958; Dec. 8.
Holder and dispenser for cash drawers, Note. H. Levy. 1,821,350; Sept. 1.
Holder and dispenser, Straw. B. L. Forbes. 1,824,880; Sept. 29.
Holder and display rack, Map. F. Premo. 1,830,809; Nov. 10.
Holder and display rack, Rotary bottle. O. F. Fuller. 1,787,898; Jan. 6.
Holder and exhibitor, Card. G. C. Clark. 1,803,234; Apr. 28.
Holder and grab rail, Combination soap. S. D. Baker. Des. 85,459; Nov. 3.
Holder and humidor, Combined fountain pen. E. L. Ovington. 1,837,991; Dec. 22.
Holder and index, Combined order-sheet. W. A. Rowse. 1,787,735; Jan. 6.
Holder and lighter, Combination cigarette. R. L. Wilt and S. F. Rebora. 1,802,489; Apr. 28.
Holder and lighter, Combined cigarette. W. P. McCorkindale. Des. 83,333; Feb. 17.
Holder and letter clamp, Combined coin. C. K. Heistand. 1,808,601; June 2.
Holder and mold, Meat. H. Koch. 1,794,304; Feb. 24.
Holder and pipe anchor, Angle-cock. R. W. Burnett. 1,792,728; Feb. 17.
Holder and protector, License plate. G. A. Riley. 1,820,092; Aug. 25.
Holder and purse, Combined umbrella. A. A. Theodoropulos. 1,792,129; Feb. 10.
Holder and sample carrier, Combination pamphlet. H. Deutschmeister. 1,787,569; Jan. 6.
Holder and serving tray, Check. D. G. Allen. 1,826,037; Oct. 6.
Holder and similar article, Cigar and cigarette. J. E. Aster. 1,816,139; July 28.
Holder and spring washer, Adjustable ring. W. Cox. 1,789,170; Jan. 13.
Holder and stand. A. T. Smith. 1,814,342; July 14.
Holder and starter, Sash. R. T. Axe. 1,807,272; May 26.
Holder and sterilizer, Electric-clipper. M. E. Fowler. 1,789,648; Jan. 20.
Holder and trimmer for button sewing machines, Thread. A. F. Carlson. 1,820,557; Aug. 25.
Holder and wringer, Mop. A. Colangelo. 1,807,387; May 26.
Holder, Angle cock. H. E. Bartsch. 1,808,516; June 2.
Holder, Angle cock. T. L. Burton and C. C. Farmer. 1,801,844–5; Apr. 21.
Holder, Angle-cock. R. E. Powers. 1,795,885; Mar. 10.
Holder, Antiskid chain. J. S. Campbell. 1,806,840; May 26.
Holder, Apron. C. F. Berry, jr. 1,798,651; Mar. 31.
Holder, Article. R. Muhlichen. 1,824,562; Sept. 22.
Holder, Article. F. J. Schrank. 1,802,159; Apr. 21.
Holder, Article. E. G. Sturgis. 1,826,640; Oct. 6.
Holder, Artificial-bait. K. W. Hughes. 1,788,674; Jan. 13.
Holder, Automatic plate. L. H. Fusmer. 1,815,767; July 21.
Holder, Automatic stenotype-paper. W. G. Waggoner. 1,795,690; Mar. 10.
Holder, Automobile license tag. F. Kleinsmith. 1,816,289; July 28.
Holder, Automobile registration-plate. M. W. Gelette. 1,789,740; Jan. 20.
Holder, Baby-bottle. C. J. Smith. 1,790,490; Jan. 27.
Holder, Bag. S. Kleinberg. 1,832,561; Nov. 17.
Holder, Bag. R. H. McHugh. 1,802,437; Apr. 28.
Holder, Bag. H. Richardson. 1,822,747; Sept. 8.
Holder, Bait. M. E. Gaskins. 1,820,186; Aug. 25.
Holder, Basket. C. J. and J. James. 1,818,400; Aug. 11.
Holder, Bathroom paper. S. D. Baker. Des. 85,509; Nov. 10.
Holder, Bathroom toothbrush. S. D. Baker. Des. 84,728; July 28.
Holder, Bathroom toothbrush. S. D. Baker. Des. 85,850; Dec. 29.
Holder, Bath-sponge. S. J. Brown. 1,798,188; Mar. 31.
Holder, Bird-cage food. H. H. Hill. 1,820,802; Aug. 25.
Holder, Bird nest. E. Dumas. 1,819,877; Aug. 18.
Holder, Blade. H. J. Gaisman. 1,816,477; July 28.
Holder, Blade. L. W. Stetson. 1,813,606; July 7.
Holder, Blank. A. Novick. 1,827,901; Oct. 20.
Holder, Block-notes C. Sage in Bourdon del Monte. 1,790,325; Jan. 27.
Holder, Bobbin. J. A. Marsh. 1,831,502; Nov. 10.
Holder, Bobbin. E. C. Metcalf. 1,822,858; Sept. 8.
Holder, Book. L. Morris. 1,801,523; Apr. 21.
Holder, Book. K. Ruhnau. 1,790,487; Jan. 27.
Holder, Book. F. Skripkin. 1,805,191; May 12.
Holder, Book. W. A. Volkmar. 1,796,496; Mar. 17.
Holder, Boring tool. I. Drowns. 1,820,056; Aug. 25.
Holder, Bottle. R. Barbas. Des. 83,421; Feb. 24.
Holder, Box. W. L. Hood. 1,792,908; Feb. 17.
Holder, Brake shoe. L. J. Davis. 1,809,745; June 9.
Holder, Breast. H. Klopfer. 1,811,548; June 23.
Holder, Broom. J. C. Horn. 1,793,320; Feb. 17.
Holder, Broom. D. Nichtigal. 1,798,028; Mar. 24.
Holder, Broom. O. J. Poulin. 1,803,071; Apr. 28.
Holder, Broom and mop. K. H. Taylor. 1,803,569; May 5.
Holder, Broom-straw. E. W. Crane. Des. 83,314; Feb. 17.
Holder, Brush. H. D. Munday. 1,837,827; Dec. 22.
Holder, Brush. C. Ringwald. 1,792,244; Feb. 10.
Holder, Brush and mop. T. Dalton. 1,794,399; Mar. 3.
Holder, Bucket. V. N. Burrows. 1,827,221; Oct. 13.
Holder, Bust. V. Madsen. 1,792,384; Feb. 10.
Holder, Camera plate. B. B. Hammond. 1,823,321; Sept. 15.
Holder, Can. H. C. Clayburgh. 1,824,872; Sept. 29.
Holder, Candle. W. L. Orme. 1,817,834; Aug. 4.
Holder, Candle. C. E. Tebo. 1,831,518; Nov. 10.
Holder, Canvas. F. G. Diesch. 1,825,995; Oct. 6.
Holder, Card. C. A. Belash. 1,812,077; June 30.
Holder, Card. J. E. Bonander. 1,807,467; May 26.
Holder, Card. J. E. Bonander. 1,821,876; Sept. 1.
Holder, Card. S. N. Hope. 1,835,650; Dec. 8.
Holder, Card. A. E. McNabb. 1,832,941; Nov. 24.
Holder, Card. E. B. Stone. 1,807,804; June 2.
Holder, Card index reference. H. M. Crouse. 1,835,206; Dec. 8.
Holder, Cassetts. J. B. Wantz. 1,788,178; Jan. 6.
Holder, Certificate. E. A. Morris. 1,808,246; June 2.
Holder, Certificate. L. L. Sherwood. 1,829,193; Oct. 27.
Holder, Chalk line. B. Jacobsen. 1,814,389; July 14.
Holder, Chaser. J. G. Harper. 1,795,558; Mar. 10.
Holder, Christmas-tree. J. Gabel. 1,789,360; Jan. 20.
Holder, Christmas-tree. J. Hill. 1,799,513; Apr. 7.
Holder, Cigar and cigarette. W. Farris. 1,799,550; Apr. 7.
Holder, Cigar and cigarette. O. Foehr. 1,825,946; Oct. 6.
Holder, Cigar and cigarette. J. F. Hixon. 1,829,141; Oct. 27.
Holder, Cigar and cigarette. G. Lake. 1,815,919; July 28.
Holder, Cigarette. J. H. Abbott. 1,805,228; May 12.
Holder, Cigarette. J. Babor. 1,834,569; Dec. 1.
Holder, Cigarette. E. M. Brown. 1,798,654; Mar. 31.
Holder, Cigarette. M. F. Deach. 1,834,518; Dec. 1.
Holder, Cigarette. M. Kruggely. 1,792,379; Feb. 10.

Holder, Cigarette. M. Kruggely. 1,792,430; Feb. 10.
Holder, Cigarette. J. W. Schehl. 1,792,765; Feb. 17.
Holder, Cigarette. M. V. Tremblay. 1,825,490; Sept. 29.
Holder, Cigarette and cigar. E. Boeckel. 1,826,237; Oct. 6.
Holder, Cigarette or cigar. C. W. Loesch. 1,821,267; Sept. 1.
Holder, Citrus fruit. D. McKay. 1,829,664; Oct. 27.
Holder, Coin. E. Poeter. 1,833,037; Nov. 24.
Holder, Cleat stud. J. T. Riddell. 1,806,917; May 26.
Holder, Clock. C. J. Rishel. 1,792,186; Feb. 10.
Holder, Cloth. S. Picard. 1,838,107; Dec. 29.
Holder, Clothesline-prop. H. H. McKinney. 1,789,765; Jan. 20.
Holder, Coin. I. Tolkow. 1,814,064; July 14.
Holder, Collapsible tube. S. E. Gunnison. 1,833,608; Nov. 24.
Holder, Collapsible tube. I. E. Siqveland. 1,828,154; Oct. 20.
Holder, Collar. J. F. Allison. 1,817,662; Aug. 4.
Holder, Collar. A. Frech. Des. 83,531; Mar. 3.
Holder, Collar. S. Levinsky. 1,828,421; Oct. 20.
Holder, Combination adjustable mop and brush. F. N. Gilbert. 1,832,541; Nov. 17.
Holder, Combination collar button and tie. W. F. Scherer. 1,820,762; Aug. 25.
Holder, Combination tube and brush. W. E. Bracey and L. W. Bramblett. 1,807,083; May 26.
Holder, Combined bread box, slicer and knife. A. W. Brown. 1,822,581; Sept. 8.
Holder, Combined curtain and shade. J. Rasp. 1,790,389; Jan. 27.
Holder, Combined pocket flash light and key. L. H. Roddis. 1,834,805; Dec. 1.
Holder, Combined switch and brush. F. C. De Reamer. 1,813,889; July 7.
Holder, Condiment. G. F. Kraft. 1,807,160; May 26.
Holder, Condiment. A. Lollo. Des. 83,163; Jan. 27.
Holder, Condiment. P. D. MacLellan. 1,792,916; Feb. 17.
Holder, Condiment. J. Smagola. 1,835,247; Dec. 8.
Holder, Cooky. O. E. Lucht. 1,787,829; Jan. 6.
Holder, Cop. F. Mossberg. 1,828,337; Oct. 20.
Holder, Copy. W. Stott. 1,798,961; Mar. 31.
Holder, Copy. W. R. Wolf. 1,809,096; June 9.
Holder, Corn-ear. E. P. Dandridge. 1,801,192; Apr. 14.
Holder, Corn ear. H. Hunt. 1,831,665; Nov. 10.
Holder, Crayon. W. R. Porter. 1,816,545; July 28.
Holder, Crayon or pencil. W. W. Climenson. 1,820,782; Aug. 25.
Holder, Currency. W. H. Weaver. 1,832,161; Nov. 17.
Holder, Curtain or portière. D. S. Quintard. 1,835,521; Dec. 8.
Holder, Cutter. E. J. Ray. 1,797,296; Mar. 24.
Holder, Dental film. M. F. Elliott. 1,792,005; Feb. 10.
Holder, Dental floss. J. K. Jordan. 1,815,408; July 21.
Holder, Dental floss. M. Klinger. 1,792,429; Feb. 10.
Holder, Desk set pencil. W. Heagney. 1,801,310; Apr. 21.
Holder, Detachable milk pail. A. H. Palmbush. 1,820,485; Aug. 25.
Holder device for truing commutators, Brush. H. D. Munday. 1,835,513; Dec. 8.
Holder, Die. M. J. Foley. 1,830,268; Nov. 3.
Holder, Display. A. De Canio. Des. 83,664–7; Mar. 17.
Holder, Display. E. L. Toner. 1,801,027; Apr. 14.
Holder, Display card. L. Bailey. 1,823,778; Sept. 15.
Holder, Display-card. P. J. Timberlake. 1,798,564; Mar. 31.
Holder, Display-stand. V. Talabac. 1,797,884; Mar. 24.
Holder, Document. A. V. Bodine and J. M. Lucarelle. 1,804,455; May 12.
Holder, Door. S. V. Brooks. 1,833,773; Nov. 24.
Holder, Door. A. C. Cooper. 1,790,406; Jan. 27.
Holder, Door. C. J. Crawford. 1,828,242; Oct. 20.
Holder, Door. G. L. Fuller. 1,805,169; May 12.
Holder, Door. J. E. Hagstrom. 1,817,452; Aug. 4.
Holder, Door. H. C. Hogrefe. 1,789,073; Jan. 13.
Holder, Door. N. B. Hurd. 1,837,126; Dec. 15.
Holder, Door. D. R. Lasier and J. P. Hume. 1,834,163; Dec. 1.
Holder, Door. W. G. Lueters. 1,798,264; Mar. 31.
Holder, Door. J. Siino. 1,830,296; Nov. 3.
Holder, Door. E. Winegar and J. C. Shutt. 1,827,634; Oct. 13.
Holder, Dowel. W. F. Eyles. 1,797,525; Mar. 24.
Holder, Drawer pull and label. G. H. Dawson. 1,827,934; Oct. 20.
Holder, Dress. P. G. Parisette. 1,831,822; Nov. 17.
Holder, Drill. J. V. Ostlund. 1,789,830; Jan. 20.
Holder, Educational strip. W. H. Holmes. 1,826,934; Oct. 13.
Holder, Electrode. H. H. Heckman. 1,825,314; Sept. 29.
Holder, Electrode. W. H. Walter. 1,809,656; June 9.
Holder, Eraser. T. H. Jones. 1,812,701; June 30.
Holder, File. W. Ferguson. 1,831,590; Nov. 10.
Holder, Fish hook. W. A. Schneggenburger. 1,807,346; May 26.
Holder, Fishing-rod. L. E. Bergstrom. 1,789,509; Jan. 20.
Holder, Fishing rod. B. L. Parker. 1,831,190; Nov. 10.
Holder, Flag. A. H. Francis. 1,790,803; Feb. 3.
Holder, Flag. H. M. Siemann. 1,836,405; Dec. 15.
Holder, Flag. G. L. Smith. 1,828,851; Oct. 27.
Holder, Flag pole. J. A. Gerow and A. C. Cannon. 1,815,353; July 21.
Holder, Flashlight. J. R. Alexander. 1,807,501; May 26.
Holder, Floating reamer. G. H. Thomas. 1,810,503; June 16.
Holder, Floating-tool. A. F. Breitenstein. 1,787,932; Jan. 6.
Holder, Flower. H. G. Kuck. 1,831,308; Nov. 10.
Holder, Flower. W. O. Roy. 1,828,295; Oct. 20.
Holder, Flowerpot. P. Gits and E. L. Van Wezemael. 1,824,343; Sept. 22.
Holder, folder, supporter, and box strengthener, Garment. J. Hart. 1,805,363; May 12.
Holder for applying chucks, Shaft. R. L. Carter. 1,805,164; May 12.
Holder for automobiles, Emblem. W. F. Price. 1,792,445; Feb. 10.
Holder for automobiles, License-tag. F. F. Buchanan. 1,794,224; Feb. 24.
Holder for beds, Sheet. C. G. Oakey. 1,833,298; Nov. 24.
Holder for belt fastening means. J. C. Olsen. 1,801,566; Apr. 21.
Holder for beverage sets. H. Korn. Des. 84,895; Aug. 18.
Holder for books, Leaf. E. M. Kenna. 1,807,118; May 26.
Holder for box printing presses, Type. F. B. Jorgensen. 1,801,507; Apr. 21.
Holder for buckets. W. J. Penners. 1,833,690; Nov. 24.
Holder for bursting valves, Foil. F. E. Dyson. 1,836,528; Dec. 15.
Holder for cards, Display. W. C. Hoffman. 1,825,458; Sept. 29.
Holder for cards or the like. E. B. Benedict and A. S. Langbein. 1,791,703; Feb. 10.
Holder for clothes driers. E. Desrosiers. 1,792,574; Feb. 17.
Holder for collapsible containers. W. Behm. 1,839,079; Dec. 29.
Holder for collapsible tubes. S. W. Lawton. 1,790,929–30; Feb. 3.
Holder for collapsible tubes. F. Wolf. 1,811,220–1; June 23.
Holder for collapsible tubes, Dispensing. D. D. Devlin. 1,799,678; Apr. 7.
Holder for containers. M. D. Jeffries. 1,812,440; June 30.
Holder for containers or storage vessels. F. Wolf. 1,811,223; June 23.
Holder for creels of spinning frames and the like, Bobbin. J. V. Mann. 1,821,656; Sept. 1.
Holder for dentistry work. M. Fleischhacker. 1,824,398; Sept. 22.
Holder for desk telephones, Memorandum pad. G. H. Revelle. 1,825,204; Sept. 29.
Holder for display stands, Show card. M. M. Friedemann. 1,803,667; May 5.
Holder for double-acting lathes, Tool. F. S. Floeter. 1,799,893; Apr. 7.
Holder for egg beaters. E. V. Johnson. 1,822,035; Sept. 8.
Holder for electric arc welding, Weldrod. H. R. Bormann and A. Steinhart. 1,810,901; June 23.
Holder for electric lamps, Shade. P. Henningsen. 1,789,976; Jan. 27.
Holder for electric-light poles. W. F. Hogan. 1,788,157; Jan. 6.
Holder for emblems and the like. P. L. Russell. 1,794,034; Feb. 24.
Holder for facilitating distribution of accounts, Record sheet. N. E. Newman and F. A Niemann. 1,817,640; Aug. 4.
Holder for firearms. M. M. Arias. 1,827,182; Oct. 13.
Holder for flower containers. G. Hammond. 1,828,249; Oct. 20.
Holder for flower pots and cut flowers. J. Favata, jr. 1,815,195; July 21.
Holder for folded napkins and similar articles. E. Dahl. 1,793,682; Feb. 24.
Holder for freight cars, Card. A. O. Bradshaw. 1,820,776; Aug. 25.
Holder for full fashioned footing machines, Hosiery. F. E. Kramer. 1,834,030; Dec. 1.
Holder for globes of street lamps. B. H. Colbert. 1,798,013; Mar. 24.
Holder for hams or the like. J. N. Kalkanis. 1,823,608; Sept. 15.
Holder for honing tools, Stone. C. W. Floss. 1,800,213; Apr. 14.
Holder for incubators, Rotary egg. C. G. Mikkelsen. 1,801,679; Apr. 21.
Holder for ladders, Paintbrush and bucket. A. J. Trimble. 1,797,381; Mar. 24.
Holder for lighting fixtures, Shade. R. W. Schweiker. 1,801,113; Apr. 14.
Holder for lipsticks and the like. L. C. Ament. 1,801,464–5; Apr. 21.
Holder for material working apparatus, Work. W. Seligmann. 1,806,182; May 19.
Holder for metal wool or the like. C. Field. 1,821,505; Sept. 1.
Holder for milk bottles and the like. T. C. Rouse. 1,804,645; May 12.
Holder for mine dump cars, Check. J. Dropulich. 1,825,057; Sept. 29.
Holder for mirrors. C. F. Bostock. 1,821,137; Sept. 1.
Holder for motor vehicles, Waterproof license plate. F. J. Mauro. 1,807,246; May 26.

Holder for neon tubes and the like. J. Palmer. 1,822,980; Sept. 15.
Holder for non-fluid cosmetics. C. Weeks. 1,816,240; July 28.
Holder for paper cups and the like. O. H. Burdett. 1,808,763; June 9.
Holder for pens and pencils. L. Lischeid. 1,833,222; Nov. 24.
Holder for photographic apparatus, Roll. A. W. Caps. 1,811,779; June 23.
Holder for photographic color filters. F. Koster. 1,829,867; Nov. 3.
Holder for picture signs, Portable knockdown. P. Pierce. 1,799,178; Apr. 7.
Holder for pipe cleaners. C. V. Pohlson. Des. 83,748; Mar. 24.
Holder for price or advertising cards. J. L. Bredar. 1,796,587; Mar. 17.
Holder for printing presses, Paper roll. C. J. McGarry. 1,813,307; July 7.
Holder for process cameras, Silver nitrate. H. R. Hays. 1,804,982; May 12.
Holder for projection apparatus. A. B. Mueller. 1,818,499; Aug. 11.
Holder for razor blades and paper. Combination. H. B. Sherman and D. P. Ordway. 1,790,077; Jan. 27.
Holder for receptacles. W. E. Tremellen. 1,803,817; May 5.
Holder for reflectors. N. Lang. 1,808,501; June 2.
Holder for road maps or logs. S. E. Coughlin. 1,795,243; Mar. 10.
Holder for rubber stamps. S. Gilleland. 1,793,283; Feb. 17.
Holder for safety razor blades. C. J. Symmonds. 1,823,577; Sept. 15.
Holder for safety razor blades when sharpening the same. C. W. Jones. 1,820,666; Aug. 25.
Holder for screw threaded articles. M. J. Roche. 1,813,424; July 7.
Holder for shoe racks, Card. H. L. Glidden. 1,826,769; Oct. 13.
Holder for slicing machines, Work. H. Stukart. 1,801,250; Apr. 14.
Holder for small articles. C. W. Botsford. 1,828,456; Oct. 20.
Holder for spinner rings. H. C. Herr. 1,801,002; Apr. 14.
Holder for spools of thread and the like, Spool. P. Valerio. Des. 84,906; Aug. 18.
Holder for steel wool. J. R. Fish. 1,822,395; Sept. 8.
Holder for stenotype operators, Foldable note pad. A. C. Allen. 1,808,942; June 9.
Holder for stick material. C. N. Coryell. 1,790,263; Jan. 27.
Holder for store window decorations. D. A. Washburn. 1,829,884; Nov. 3.
Holder for thermos lunch kits, Cup. J. W. Gilson. 1,801,148; Apr. 14.
Holder for tools, Key. H. M. Toppin. 1,798,234; Mar. 31.
Holder for tools or implements. C. Vallone. 1,822,070; Sept. 8.
Holder for typewriters, Copy. O. Fischer. 1,811,118; June 23.
Holder for typewriters, Manuscript. L. Jones. 1,804,258; May 5.
Holder for use in stapling gear belts and the like, Staple. W. Stilzle. 1,787,557; Jan. 6.
Holder for vehicles and the like, Load. H. J. Bonham. 1,838,736; Dec. 29.
Holder for vertical files, Label. J. T. Quigley. 1,800,404; Apr. 14.
Holder for wall telephones, Memorandum-pad. G. H. Revelle. 1,789,264; Jan. 13.
Holder for wallets, Removable card. R. E. Clarke and R. B. Reeves. 1,822,843; Sept. 8.
Holder for watch movement, Desk. R. M. jr., and E. W. Overlander. 1,799,926; Apr. 7.
Holder for windows, Light. E. Cinquini. 1,813,911; July 14.
Holder for word and phrase cards. E. D. Stevens and J. C. Stradling. 1,790,287; Jan. 27.
Holder for wrenches and the like. C. Vallone. 1,830,577; Nov. 3.
Holder, Fountain-pen. W. R. Cuthbert. Des. 83,392; Feb. 17.
Holder, Fountain-pen. E. Fritsch. 1,789,522; Jan. 20.
Holder, Fountain-pen. A. J. Krueger. 1,799,049; Mar. 31.
Holder, Fountain pen. J. B. Platt. Des. 85,054; Sept. 8.
Holder, Free floating shuttle. G. A. Boettcher. 1,802,869; Apr. 28.
Holder, Fruit. M. Lasher. 1,806,631; May 26.
Holder, Fruit jar. C. M. Hagen and W. H. Prestidge. 1,831,659; Nov. 10.
Holder, Full floating universal tool. E. Gairing. 1,831,382; Nov. 10.
Holder, Garbage can. E. S. Cutter. 1,837,411; Dec. 22.
Holder, Gas. P. M. Kuehn. 1,802,261; Apr. 21.
Holder, Gas. J. R. L. Santos. 1,836,282–3; Dec. 15.
Holder, Globe. P. J. Pfeifer. 1,829,572; Oct. 27.
Holder, Globe. A. E. Shaw. 1,828,625; Oct. 20.
Holder, Globe. A. E. Shaw. 1,833,978; Dec. 1.
Holder, Globe or shade. N. C. Petrillo. 1,789,342; Jan. 20.
Holder, Golf-club. J. O. Stone and J. Patterson. 1,798,638; Mar. 31.
Holder, Golf score card. W. C. Foster. 1,815,024; July 14.
Holder, Grain bag. C. C. Tippett. 1,827,495; Oct. 13.
Holder, Hairpin. J. Hornicek. 1,813,622; July 7.
Holder, Harmonica. A. E. Overton. 1,793,823; Feb. 24.
Holder, Hat. J. De Carlo. 1,824,710; Sept. 22.
Holder, Hat and coat. L. Kimbrig and M. Galuten. 1,829,486; Oct. 27.
Holder, Head-rod. J. G. Baumbach. 1,799,839; Apr. 7.
Holder, Heel and shape. J. Strom and H. R. Anderson. 1,835,538; Dec. 8.
Holder, Hose. K. Farrar. 1,809,550; June 9.
Holder, Hose. F. S. Hyatt. 1,803,529; May 5.
Holder, Hot pan. W. M. Moore. 1,818,344; Aug. 11.
Holder, Ice. J. G., jr., and F. Bodenstein. 1,830,085; Nov. 3.
Holder, ice-card. W. R. Brock. 1,797,220; Mar. 24.
Holder, Ice-cream-cone cup. L. F. Shean. 1,800,759; Apr. 14.
Holder, Identification card and license. G. C. Clark. 1,819,870; Aug. 18.
Holder, Identification plate. W. B. Wood. 1,830,729; Nov. 3.
Holder, Indicator. A. T. Morrison and S. H. Couch. 1,791,682; Feb. 10.
Holder, Inner tube. G. L. Knapp. 1,803,065; Apr. 28.
Holder, Insectifuge. J. L. Cross. 1,831,654; Nov. 10.
Holder, Instrument. O. H. Pieper. 1,792,120; Feb. 10.
Holder, Inverted flatiron. E. E. McDowell. 1,814,517; July 14.
Holder, Illuminated license. D. Willman, Hartford City, Ind. 1,811,989; June 30.
Holder, Instrument mechanism. J. Zubaty. 1,808,198; June 2.
Holder, Iron. J. C. De Penning. 1,820,270; Aug. 25.
Holder, Jar. E. M. Walker. 1,826,486; Oct. 6.
Holder, Key. H. L. Cusick. 1,821,377; Sept. 1.
Holder, Key. A. F. Dodson. 1,793,594; Feb. 24.
Holder, Key. H. V. Ekstedt. Des. 85,035; Sept. 8.
Holder, Key. B. E. Moulton. 1,800,843; Apr. 14.
Holder, Key. J. P. Nikonow. 1,815,209; July 21.
Holder, Key. D. I. Reiter. 1,822,502; Sept. 8.
Holder, Key and license. C. A. Smith. 1,821,585; Sept. 1.
Holder, Key-ring. J. X. Minehart. 1,797,098; Mar. 17.
Holder, Label. J. E. Lee. 1,813,059; July 7.
Holder, Label. E. Ohnstrand 1,826,671; Oct 6.
Holder, Lamp. C. F. Capell. 1,808,400; June 2.
Holder, Lamp. B. E. Clarkson. 1,787,670; Jan. 6.
Holder, Lamp. F. H. Owens. 1,825,121; Sept. 29.
Holder, Lath. M. E. Hall. 1,834,026; Dec. 1.
Holder, Lathe tool. R. H. Brockman. 1,839,139; Dec. 29.
Holder, Laundry-bag. O. Jetel. 1,791,097; Feb. 3.
Holder, License. J. C. Davidson. 1,816,671; July 28.
Holder, License plate. M. H. Benson. 1,808,627; June 2.
Holder, License plate. D. J. Dolan and J. J. Quinn. 1,834,690; Dec. 1.
Holder, License plate. M. J. Forrester. 1,829,824; Nov. 3.
Holder, License plate. J. Orester and W. J. Gee. Des. 84,125; May 5.
Holder, License-plate. J. Orester and W. J. Gee. 1,787,545; Jan. 6.
Holder, Light globe. A. O. Deeter. 1,806,046; May 19.
Holder, Lighting fixture globe. E. T. Samuelson. 1,818,163; Aug. 11.
Holder, Lighting-fixture shade. I. Wolarsky. Re17,979; Feb. 24.
Holder, Line. E. E. Reid. 1,789,774; Jan. 20.
Holder, Lingerie. C. L. Hill. 1,810,014; June 16.
Holder, Lipstick. W. G. Kendall. 1,835,879; Dec. 8.
Holder, Lipstick. H. W. Wild. 1,835,580; Dec. 8.
Holder, Lip-stick. J. L. Younghusband. 1,825,895; Oct. 6.
Holder, Loose-leaf. J. C. Forman. 1,797,413; Mar. 24.
Holder, Loose sheet. J. Eifel. 1,815,351; July 21.
Holder, Mail box. O. Sanders. 1,809,726; June 9.
Holder, Manifolding paper. W. J. Wiswall. 1,827,448; Oct. 13.
Holder, Map. M. H. E. Beckley. 1,833,200; Nov. 24.
Holder, Match. H. W. Rose. 1,818,507; Aug. 11.
Holder, Match-book. J. Klecak. 1,794,303; Feb. 24.
Holder, Match-box. G. W. Wegner. 1,788,002; Jan. 6.
Holder, Match package. E. L. Grauel. 1,815,975; July 28.
Holder, Merchandise display. C. A. Fogel and F. O. Nelson. 1,814,440; July 14.
Holder, Milk bottle. J. G. Gavlak. 1,818,059; Aug. 11.
Holder, Milk bottle. C. Honey. 1,814,926; July 14.
Holder, Milk bottle. J. Larson. 1,815,514; July 21.
Holder, Milk bottle. J. B. Robson and J. M. Williams. 1,819,758; Aug. 18.
Holder, Milk-bottle. F. B. Williams and J. F. and L. H. Ledford. 1,791,993; Feb. 10.
Holder, Mop and brush. M. Redlinger. 1,807,434; May 26.
Holder, Moth ball. C. March. 1,831,677; Nov. 10.
Holder, Motor car memorandum. F. E. Blanc. 1,802,308; Apr. 21.
Holder, Multiple map. W. B. Wilson. 1,796,174; Mar. 10.
Holder, Music. A. Beyer. 1,813,111; July 7.
Holder, Nail. O. Breithaupt. 1,810,460; June 16.
Holder, Nail. M. R. Keleher. 1,828,417; Oct. 20.
Holder, Napkin. T. N. Deligianes. Des. 84,518; June 30.
Holder, Necktie. C. W. Gould. 1,803,110; Apr. 28.

Holder, Necktie. A. W. Lindquist. 1,815,477; July 21.
Holder, Necktie. W. Rosicky. 1,830,039; Nov. 3.
Holder, Necktie. E. S. Woolley. 1,800,921; Apr. 14.
Holder, Notebook. H. H. Harnsberger. 1,825,522; Sept. 29.
Holder, Nozzle. W. R. Stein. 1,812,064; June 30.
Holder, Nursing bottle. B. Morishita. 1,826,810; Oct. 13.
Holder operator, Slide-. V. M. Cave and S. T. Matthews. 1,792,412; Feb. 10.
Holder or analogous article, Milk-bottle. R. A. Isenberg. Des. 83,449; Feb. 24.
Holder or appliance for cosmetics or the like. R. T. Christy. Des. 85,162; Sept. 22.
Holder or appliance for cosmetics and the like. R. T. Christy. 1,821,141; Sept. 1.
Holder or article of analogous nature, Bathroom paper or sponge. S. D. Baker. Des. 85,508; Nov. 10.
Holder or container for concrete inserts. W. Clifford, jr. 1,801,723; Apr. 21.
Holder or similar article, Casserole. S. W. Farber. Des. 83,518; Mar. 3.
Holder or similar article, Flower. G. Holzworth. Des. 85,697–8; Dec. 8.
Holder or similar article, Pie-plate. S. W. Farber. Des. 83,517; Mar. 3.
Holder or similar, Golf-ball. J. H. Holm. Des. 83,254; Feb. 10.
Holder of straps of suspenders and similar articles. G. F. Essig. 1,804,158; May 5.
Holder or adapter, Broach. C. J. Halborg. 1,809,237; June 9.
Holder or similar article, Memorandum paper. D. Albritton. Des. 84,067; May 5.
Holder or similar article, Soap. S. D. Baker. Des. 85,150–1; Sept. 22.
Holder or similar article, Soap. S. D. Baker. Des. 85,849; Dec. 29.
Holder or socket, Electric lamp. H. E. Slade and J. Gehring. 1,806,314; May 19.
Holder or support, Gauze or screen catalyst. S. L. Handforth. 1,814,597; July 14.
Holder, Oscillograph film. J. W. Legg. 1,810,021; June 16.
Holder, Package. J. O. McKean. 1,795,877; Mar. 10.
Holder, Package. J. P. Nielsen. 1,838,860–1; Dec. 29.
Holder, Pad. J. B. Kemp. 1,807,158; May 26.
Holder, Paintbrush. D. E. Bostrom. 1,800,855; Apr. 14.
Holder, Paint brush. E. C. Hall. 1,830,200; Nov. 3.
Holder, Paint pot. J. S. Stroebel. 1,811,065; June 23.
Holder, Paper. A. H. Siple. 1,838,711; Dec. 29.
Holder, Paper. R. E. Wheat. 1,814,200; July 14.
Holder, Paper roll. R. R. Rundell. 1,825,822; Oct. 6.
Holder, Pen. W. H. Camfield. Des. 85,513; Nov. 10.
Holder, Pencil. Z. Linderman. 1,806,476; May 19.
Holder, Pencil. J. P. McEnery. 1,810,110; June 16.
Holder, Pencil. T. Rustad. 1,797,103; Mar. 17.
Holder, Pencil. L. Schmermund. Des. 83,700; Mar. 17.
Holder, Pencil. D. L. Troyer. 1,815,746; July 21.
Holder, Photograph. W. L. Daniel. 1,828,558; Oct. 20.
Holder, Piezo-electric crystal. A. M. Trogner. 1,800,577; Apr. 14.
Holder, Placard. C. H. Hagan. 1,787,678; Jan. 6.
Holder, Plate. T. Hill. 1,803,431; May 5.
Holder, Playing card. W. Givone and H. John. 1,828,735; Oct. 27.
Holder, Pocket pen. A. Burman. 1,819,225; Aug. 18.
Holder, Pocket pencil and pen. F. N. Gilbert. 1,827,466; Oct. 13.
Holder, Pot or vase. J. E. Rothermel. 1,830,769; Nov. 10.
Holder, Powder. C. Weeks. 1,816,241; July 28.
Holder, Price card. W. J. Dodd. 1,839,016; Dec. 29.
Holder, Price card display. F. O. Nelson and C. A. Fogel. 1,824,918; Sept. 29.
Holder, Price tag. C. H. Jarvis. 1,817,151; Aug. 4.
Holder, Price tag. A. H. Paschell. 1,837,288; Dec. 22.
Holder, Price tag. J. P. Siebe. 1,827,623; Oct. 13.
Holder, Price-ticket. H. Hopp. 1,795,210; Mar. 3.
Holder, Price ticket. L. Hopp. 1,807,213; May 26.
Holder, Price ticket. L. Hopp. 1,810,049; June 16.
Holder, Razor blade. C. Gorneman. 1,837,123; Dec. 15.
Holder, Razor blade. J. W. Griffin. 1,837,862; Dec. 22.
Holder, Razor blade. F. Rassier. 1,823,001; Sept. 15.
Holder, Razor blade. A. F. Sniegocki. 1,817,023; Aug. 4.
Holder, Receptacle. A. P. Tallmadge. 1,789,319; Jan. 20.
Holder, Receptacle handle. H. Boe. 1,800,773; Apr. 14.
Holder, Reel. H. F. Goldsmith. 1,802,343; Apr. 28.
Holder, Reference. A. G. Elder. 1,821,427; Sept. 1.
Holder, Reflector. D. M. Yaupp. 1,795,696; Mar. 10.
Holder, Road map. E. P. Thompson. 1,834,260; Dec. 1.
Holder, Rod. C. O. Merckel. 1,788,536; Jan. 13.
Holder, Roundel. R. E. Major. 1,806,209; May 19.
Holder, Running board ice. A. R. Dean. 1,835,935; Dec. 8.
Holder, Sack. W. Hanley. 1,820,135; Aug. 25.
Holder, Sack. C. E. Schindler. 1,799,537; Apr. 7.
Holder, Sack. W. S. Topper. 1,788,132; Jan. 6.
Holder, Sadiron. A. L. Schulze. 1,805,015; May 12.
Holder, Safety fire hose. W. MacGregor. 1,806,074; May 19.
Holder, Safety pack. F. L. Rousseau. 1,800,806; Apr. 14.
Holder, Safety razor blade. E. L. Arthur. 1,833,703; Nov. 24.
Holder, Safety-razor-blade. D. J. Price. 1,797,589; Mar. 24.
Holder, Sales slip pad. H. W. Johnson. 1,822,295; Sept. 8.
Holder, Sanitary milk bottle. H. Gurnsey. 1,825,348; Sept. 29.
Holder, Sanitary toothbrush. E. J. Jeannet. 1,795,723; Mar. 10.
Holder, Sash. J. D. Johnson. 1,823,363; Sept. 15.
Holder, Score pad. F. W. Riley. 1,829,455; Oct. 27.
Holder, Score sheet. C. F. Stone. 1,814,194; July 14.
Holder, Sectional knockdown. F. A. Wright. 1,832,801; Nov. 17.
Holder, Self inking stamp. E. J. McArdle. 1,834,629; Dec. 1.
Holder, Sewing. E. Bergstedt. 1,819,862; Aug. 18.
Holder, Shade. G. E. Glatthar and F. Wening. 1,810,520; June 16.
Holder, Shade. H. K. Wack. 1,803,574; May 5.
Holder, Shade or globe. F. Wening. 1,832,516; Nov. 17.
Holder, Shoulder-strap. J. F. Donahue. 1,801,074; Apr. 14.
Holder, Shutter. J. O. Wesner. 1,795,983; Mar. 10.
Holder, Sign. M. Zadek. 1,813,557; July 7.
Holder, Skirt. R. E. Alexander. 1,806,601; May 26.
Holder, Sleeve. J. C. Bollinger. 1,804,308; May 5.
Holder, Snare. J. A. Meyer. 1,789,319; Jan. 20.
Holder, Soft-collar. W. A. Ormsbee. 1,798,803; Mar. 31.
Holder, Soldering-iron. R. E. Powell. 1,789,475; Jan. 20.
Holder, Spring adjusting sash or door. C. C. Kolbuss. 1,836,539; Dec. 15.
Holder, Steel-wool. T. Cahill. 1,788,187; Jan. 6.
Holder, Stencil sheet. G. J. Evans. 1,820,968; Sept. 1.
Holder, Storm sash. L. Asper. 1,821,415; Sept. 1.
Holder, Storm sash. G. A. Awalt. 1,820,111; Aug. 25.
Holder, Stylus. F. L. Capps. 1,836,153; Dec. 15.
Holder, Switch box. P. L. Judd, E. B. Atkinson and R. A. Anderson. 1,820,309; Aug. 25.
Holder, Tabulating-card and sales-slip. F. M. Carroll. 1,800,374; Apr. 14.
Holder, Tag. E. A. Sutcliffe. 1,818,019; Aug. 11.
Holder, Tag or sign. J. Orester and W. J. Gee. 1,816,741; July 28.
Holder, Tap. B. L. Smeuninx. 1,793,259; Feb. 17.
Holder, Tape. F. I. Bennett, jr., and D. R. Knapp. 1,837,180; Dec. 15.
Holder, Tee. L. A. Guiterman. 1,806,797; May 26.
Holder, Telephone book. G. C. Sunde. 1,803,218; Apr. 28.
Holder, Telephone card. J. M. Hayward. 1,837,217; Dec. 22.
Holder, Telephone directory. C. M. Gillum. 1,835,037; Dec. 8.
Holder, Thermionic-tube. W. W. Robinson. 1,794,984; Mar. 3.
Holder, Thread. C. P. Bergstrom. 1,817,121; Aug. 4.
Holder, Threading die. H. D. Pennington. 1,814,492; July 14.
Holder, Ticket. C. O. Feddern. 1,802,339; Apr. 28.
Holder, Tie. L. H. McInnis. 1,823,949; Sept. 22.
Holder, Tire gauge. H. J. Wilkins. 1,803,046; Apr. 28.
Holder, Toilet paper. H. L. Goldbeck. 1,810,272; June 16.
Holder, Toilet paper. F. W. Kompa. 1,808,044; June 2.
Holder, Tool. R. W. Andreasson. 1,814,655; July 14.
Holder, Tool. B. T. Browand. 1,825,046; Sept. 29.
Holder, Tool. K. C. Council. 1,826,459; Oct. 6.
Holder, Tool. G. A. De Flieg. 1,823,032; Sept. 15.
Holder, Tool. F. Dustan. 1,797,944; Mar. 24.
Holder, Tool. J. Garbarak. 1,814,211; July 14.
Holder, Tool. H. M. Graul. 1,809,553; June 9.
Holder, Tool. F. C. King. 1,797,986; Mar. 24.
Holder, Tool. F. Mesinger. 1,801,443; Apr. 21.
Holder, Tool. P. L. Robertson. 1,824,623; Sept. 22.
Holder, Tool. D. L. Rouleau. 1,792,037; Feb. 10.
Holder, Tool. J. J. Zinslen. 1,814,882; July 14.
Holder, Toothbrush. A. M. Bernier. 1,821,924; Sept. 8.
Holder, Toothbrush J. H. Frierson. 1,797,084; Mar. 17.
Holder, Toothbrush. A. S. Levy. 1,823,153; Sept. 15.
Holder, Tooth paste tube. J. H. Lodge. 1,813,457; July 7.
Holder, Tooth paste tube. A. J. Shekter. 1,813,323; July 7.
Holder, Toothpick. W. G. Huseman. 1,800,074; Apr. 7.
Holder, Towel. J. S. Miller. 1,832,040; Nov. 17.
Holder, Towel. C. W. Thompson. 1,809,918; June 16.
Holder, Train order. L. Paulson and A. W. Roettger. 1,821,446; Sept. 1.
Holder, Transfer. A. E. Kaufman. 1,794,625; Mar. 3.
Holder, Tree. H. E. Butler. 1,792,629; Feb. 17.
Holder, Tree. L. D. Danforth. 1,792,968; Feb. 17.
Holder, Tree. J. E. Doyle and J. E. McWilliams. 1,794,107; Feb. 24.
Holder, Trimming knife and blade. G. C. Webster. 1,825,108; Sept. 29.
Holder, Trip-rope. H. H. Sass. 1,800,756; Apr. 14.
Holder, Tube. J. H. Schweer. 1,805,420; May 12.
Holder, Tube. J. B. Wantz and J. J. Grobe. 1,828,092; Oct. 20.
Holder, Type. W. L. Edgarton. 1,788,665; Jan. 13.
Holder, Twine. A. E. Humphrey. 1,818,894; Aug. 11.
Holder, Umbrella. W. D. Dunn. 1,823,648; Sept. 15.
Holder, Umbrella. F. Hilburger. 1,827,524; Oct. 13.
Holder, Universal drill. R. W. Andreasson. 1,837,392; Dec. 22.
Holder, Universally adjustable tool. E. P. McMurtry. 1,807,999; June 2.

Holder, Visible Index card. R. A. Furlong. 1,836,235; Dec. 15.
Holder, Visible label. F. W. and H. H. Panchot, 1,817,396; Aug. 4.
Holder, Wall pot. I. G. Scott and M. C. Fox. Des. 85,669; Dec. 1.
Holder, Watch. J. Gearing. 1,835,213; Dec. 8.
Holder, Watchmaker's and engraver's eyeglass. D. Gooch. 1,823,828; Sept. 15.
Holder, Waterless gas. F. H. Wagner. 1,838,016; Dec. 22.
Holder, Window shade. S. Jasgur. 1,802,819; Apr. 28.
Holder, Wing pocket for visible index card. L. Lombardini. 1,816,261; July 28.
Holder, Wire. T. J. King, jr., and I. H. Spoor. 1,834,159; Dec. 1.
Holder, Wire roll. H. Harvey. 1,836,593; Dec. 15.
Holder with dovetail lock, Tool. O. Severson. 1,793,564; Feb. 24.
Holder with pulley for drawing curtains. A. Rapp. 1,824,371; Sept. 22.
Holder, Work. B. T. Borden. 1,797,541; Mar. 24.
Holder, Work. W. H. Chapman and P. H. Hutchinson. 1,808,288 June 2.
Holder, Work. H. E. Kempton, K. F. Gallimore and R. M. Woytych. 1,800,540; Apr. 14.
Holder, Work. E. Paul. 1,797,836; Mar. 24.
Holder, Work. R. Tvestmann. 1,798,640; Mar. 31.
Holder, Wrench kit. A. I. Platt. 1,809,450; June 9.
Holder, Yarn. J. C. Hebden. 1,789,231; Jan. 13.
Holders for securing certificates to the steering columns of vehicles. A. O. Cobbs. 1,836,154; Dec. 15.
Holdfast, Metal. H. M. Bateman. 1,788,820; Jan. 13.
Holding device. G. T. Cousins. 1,808,452 June 2.
Holding device. F. Woodruff. 1,788,074; Jan. 6.
Holding device, Adjustable. E. Bruno. 1,806,887; May 26.
Holding device for chips or counters used in games and the like. R. S. Blair. 1,818,033; Aug. 11.
Holding device for flat cars, Log-. E. Korting. 1,796,204; Mar. 10.
Holding device, Plate. S. B. Harper. 1,822,809; Sept. 8.
Holding means for desk sets. W. R. Cuthbert and W. H. Lindemon. 1,793,910; Feb. 24.
Holding means for instruments. N. C. Shaw and T. J. O'Meara. 1,809,639; June 9.
Hold-up deterrent, Revolving. O. B. McClintock. Des. 83,985; Apr. 21.
Hole cutter. E. C. Swanson. 1,823,218; Sept. 15.
Hole cutter, Circle. E. C. Swanson. 1,809,993; June 16.
Hole digger, Power driven. W. Rhodes. 1,814,093; July 14.
Hole inclination recorder, Bore. E. A. Sperry. 1,812,994; July 7.
Hollow articles composed of flat rubber sheets, Inflatable. I. and L. Dorogi. 1,801,267; Apr. 21.
Hollow articles, Manufacturing. K. R. Hammerstrom 1,805,283; May 12.
Hollow block. W. R. D. Innes. 1,799,014; Mar. 31.
Hollow bodies formed by electrodeposition, Reenforcing. A. K. Laukel. 1,792,542; Feb. 17.
Hollow parts, Process of and apparatus for electroplating. E. Würth. 1,798,391; Mar. 31.
Hollow resilient articles, Method of and apparatus for manufacturing. W. H. Campbell. 1,792,813; Feb. 17.
Holly leaves and the leaves of like plants and products derived therefrom, Treating. S. M. Hoye. 1,830,275; Nov. 3.
Holster and belt, Combined toy pistol. E. J. Mordt. Des. 84,841; Aug. 11.
Hone, Automatic release. L. H. Hurm. 1,831,915; Nov. 17.
Hone, Cylinder. E. A. Hall. 1,796,842; Mar. 17.
Hone, Cylinder. E. A. Hall. 1,831,172; Nov. 10.
Hone for razors or the like. N. Mirabile. 1,836,765; Dec. 15.
Hone, Razor blade. P. Govoni. Des. 85,642; Dec. 1.
Hone, Rotary. W. R. Chermack. 1,819,408; Aug. 18.
Honey comb and comb foundation. C. F. Straban. 1,806,987; May 26.
Honeycomb foundation. G. D. C. Coddington. 1,830,592; Nov. 3.
Honey extractor. H. H. Root. 1,792,871; Feb. 17.
Honey extractor, Centrifugal. J. L. Snyder. 1,825,020; Sept. 29.
Honey, Packing. E. H. Reif. 1,797,021; Mar. 17.
Honey-section machine. C. Holm. 1,792,692; Feb. 17.
Honing and lapping machine, Hydraulic. T. F. Quigley. 1,818,098; Aug. 11.
Honing apparatus and method. A. Girtanner. 1,796,096; Mar. 10.
Hood catch. R. G. Moore. 1,789,828; Jan. 20.
Hood clamp. E. B. White. 1,793,267; Feb. 17.
Hood clamp, Automobile. R. G. Moore. 1,812,215; June 30.
Hood, Electrically operated welder's. J. S. Norton. 1,822,308; Sept. 8.
Hood for a hair drier or article of similar nature. P. Santurello. Des. 84,495; June 23.
Hood for gas or electric fusion welding, Heat retaining. S. W. Miller. 1,805,181; May 12.
Hood for motor cars and other vehicles. X. Seitz. 1,836,191; Dec. 15.
Hood for therapeutic lamp. L. F. Bird. 1,818,599; Aug. 11.
Hood, Hair drying. E. O. Frederics. 1,804,005; May 5.
Hood lock. W. G. R. Heine. 1,805,042; May 12.
Hood lock, Automatic. F. Vargo. 1,818,366; Aug. 11.
Hood, Motor vehicle. E. G. Purdy. Des. 84,105; May 5.
Hood pad. H. D. Randall. 1,813,678; July 7.
Hood sign. H. A. Baker. 1,821,609; Sept. 1.
Hood, Welder's. H. C. Greene. 1,800,623; Apr. 14.
Hood, Welder's. J. S. Norton. 1,800,656; Apr. 14.
Hood, Welder's. J. S. Norton. 1,833,257; Nov. 24.
Hoods, Operating mechanism for. E. J. Stanley and C. H. Taylor. 1,820,506; Aug. 25.
Hook: *See*—
Automatic hook.
Awning hook.
Belt-lacing hook.
Chain hook.
Coat and hat hook.
Coat hook.
Conductor hook.
Crane hook.
Door hook.
Draper hook.
Drapery hook.
Fish hook.
Frame hook.
Freight hook.
Gaff hook.
Gate hook.
Grappling hook.
Guy hook.
Key ring hook.
Landing hook.
Lifting hook.
Lock hook.
Locker hook.
Mail bag hook
Meat hook.
Register hook.
Rigging hook.
Rotary and casing hook.
Safety hook.
Sign hook.
Spoon hook.
Stock and poultry hook.
Tow hook.
Wall hook.
Wardrobe hook.
Wire contact hook.
Hook. J. J. Hooker. 1,793,615; Feb. 24.
Hook. F. W. Nilson. 1,790,831; Feb. 3.
Hook. W. A. Winder. 1,824,941; Sept. 29.
Hook and cross chain, Ice mud. C. R. Nelson. 1,830,556; Nov. 3.
Hook connection for footing machines. C. E. Boettger. 1,801,219; Apr. 14.
Hook device. A. Djidich. 1,798,403; Mar. 31.
Hook device, Safety. J. F. Moody. 1,790,056; Jan. 27.
Hook, Extension ladder. S. M. Peters and A. B. Rochester. 1,823,510; Sept. 15.
Hoop for barrels and other containers. E. P. Everett. 1,838,665; Dec. 29.
Hook for ceiling fans and the like. C. J. McKeegan, jr. 1,790,065; Jan. 27.
Hook for garments. L. Roseman. 1,795,619; Mar. 10.
Hook for hoisting machines, Safety. J. Bruel. 1,836,107; Dec. 15.
Hook for lockers, Clothes. G. B. Pickop. 1,810,928; June 23.
Hook for oil wells, Casing. B. Dedman. 1,815,290; July 21.
Hook for pull rods, Hand. P. E. Seckler. 1,798,001; Mar. 24.
Hooks, Apparatus for applying trouser. O. Kent. 1,803,970; May 5.
Hoop: *See*—
Train-order hoop.
Hop extract and products containing hop extract, Preparing. E. C. Horst. 1,800,632; Apr. 14.
Hopper. W. Prussing. 1,792,865; Feb. 17.
Hopper and check. F. C. Kummer. 1,804,788; May 12.
Hopper, Can. W. E. Burns. 1,822,336; Sept. 8.
Hopper, Car. M. H. Martin. 1,827,030; Oct. 13.
Hopper, Cigar feeding. R. J. Beutel and V. F. Spliid. 1,838,132; Dec. 29.
Hopper construction. M. C. Sherman. 1,819,486; Aug. 18.
Hopper, Drain. E. Duncan and J. R. W. Ambrose. 1,809,549; June 9.
Hopper feed. G. W. Binns. 1,814,279; July 14.
Hopper, Feed. C. T. Brennan. 1,803,993; May 5.
Hopper feed. F. E. Newton. 1,794,794; Mar. 3.
Hopper feed for coal stokers. W. M. Gross. 1,791,752; Feb. 10.
Hopper-feed mechanism. P. M. Arnold. 1,790,568; Jan. 27.
Hopper for fertilizer distributors. C. W. Robinson and W. C. Dwyer. 1,801,980; Apr. 21.
Hopper for plastic material. F. W. Harney. 1,835,043; Dec. 8.
Hopper gate. H. E. Hallenbeck. 1,808,953; June 9.
Hopper, Portable. R. P. Smilie. 1,836,046; Dec. 15.
Hopper, Poultry feed. J. L. Munson. 1,836,488; Dec. 15.
Hopper, Wheelbarrow. H. Tyson. 1,831,694; Nov. 10.
Hopple. W. E. Allen. 1,803,048; Apr. 28.
Hopple, Cow. J. Reichert. 1,817,845; Aug. 4.
Horizontal layers of articles, Apparatus for combining. R. W. Voigt. 1,805,119; May 12.
Hormone and producing the same, Prostate. F. R. Eldred. 1,835,853; Dec. 8.
Horn. J. M. Aufiero. 1,838,081; Dec. 29.
Horn. E. J. Gulick. 1,822,025; Sept. 8.
Horn. E. C. Horton and H. Hueber. 1,834,619; Dec. 1.
Horn. H. Hueber and E. C. Horton. 1,810,478; June 16.
Horn. S. A. Stoneback. 1,816,919; Aug. 4.
Horn. J. R. Thorp. 1,821,590; Sept. 1.
Horn, Acoustic. H. B. Ely. 1,792,634; Feb. 17.
Horn, Amplifying. J. J. Auerhaan. 1,832,851; Nov. 24.
Horn, Amplifying. F. W. Temple. 1,800,762; Apr. 14.
Horn, Amplifying. F. W. Temple. 1,811,598; June 23.
Horn attachment for string musical instruments. J. Ma Peña. 1,814,767; July 14.
Horn blowing attachment for steering wheels. G. Rechter. 1,819,572; Aug. 18.
Horn construction for tail-bleeding machines, Vacuum. W. G. Howe. 1,823,544; Sept. 15.

Horn for loud-speakers. A. J. Wiegand. 1,800,709; Apr. 14.
Horn for radio speakers. W. A. Brockway. 1,807,027; May 26.
Horn having resonating chambers at antinodal points. M. R. Hutchison. 1,814,554; July 14.
Horn, Loud speaker. J. W. Milnor. 1,801,521; Apr. 21.
Horn, Magnetic. F. F. Dorsey. 1,790,004; Jan. 27.
Horn, Motor. J. M. Aufiero. 1,829,494; Oct. 27.
Horn or amplifier. S. Rasmussen. 1,816,546; July 28.
Horn or similar article. J. M. Aufiero. Des. 85,457; Nov. 3.
Horn, Padded sound reproducing. L. L. Maxam. 1,808,174; June 2.
Horn, Production of artificial. F. Schmidt. 1,811,972; June 30.
Horn shuttle, Slanting. I. Snow. 1,821,729; Sept. 1.
Horn, Signal. H. L. Marindin. 1,794,308; Feb. 24.
Horn, Sound. J. B. Hawley. 1,809,035; June 9.
Horn, Sound amplifying. G. G. de Andia-Yrarrázaval 1,816,722; July 28.
Horn trainer. C. Achenbach. 1,836,830; Dec. 15.
Horn, Vacuum operated. A. R. Leukhardt. 1,837,454; Dec. 22.
Horns, Automatic pitch control for. M. A. Stover. 1,802,791; Apr. 28.
Horse. A. F. Linsner. 1,819,252; Aug. 18.
Horse, Adjustable. E. D. Anderson and I. E. Dearsley. 1,794,052; Feb. 24.
Horse bit. V. Meyer. 1,806,483; May 19.
Horse collar. J. A. Stensrud. 1,803,216; Apr. 28.
Horse head. J. P. Ratigan. 1,798,557; Mar. 31.
Horse or trestle. G. A. Willis. 1,818,516; Aug. 11.
Horseshoe. B. P. Gray. 1,817,814; Aug. 4.
Horseshoe. P. A. Harsem. 1,825,186; Sept. 29.
Horseshoes, Flexible rubber bar pad for. W. H. Krug. 1,795,868; Mar. 10.
Hose and making the same. C. W. Leguillon. 1,789,798; Mar. 31.
Hose, Armored. R. J. Stokes. 1,831,724; Nov. 10.
Hose bridge, Portable. G. L. Day. 1,838,746; Dec. 29.
Hose clamp. H. H. Bailey. 1,801,261; Apr. 21.
Hose clamp. H. H. Bailey and J. L. Thomas. 1,817,473; Aug. 4.
Hose clamp. J. W. Beard. 1,788,505; Jan. 13.
Hose clamp. R. L. Chapman. 1,802,499; Apr. 28.
Hose clamp. W. A. Crosta. 1,838,364; Dec. 29.
Hose clamp. H. E. Dennie. 1,796,006; Mar. 10.
Hose clamp. J. P. Eastman. 1,808,101; June 2.
Hose clamp. H. Embree. 1,815,145; July 21.
Hose clamp. C. C. Hansen. 1,792,221; Feb. 10.
Hose clamp. C. J. Sundell. 1,816,301; July 28.
Hose clamp. W. C. Walker. 1,804,725; May 12.
Hose clamp, Adjustable. J. F. Lyons and M. S. Perkins. 1,804,358; May 5.
Hose connection. G. F. Yackey. 1,808,094; June 2.
Hose coupling. D. Anderson. 1,822,259; Sept. 8.
Hose coupling. C. M. C. Baird. Des. 83,420; Feb. 24.
Hose coupling. A. L. Dold. 1,810,268; June 16.
Hose coupling. C. K. Huthsing. 1,836,716; Dec. 15.
Hose coupling. L. J. Jones. 1,815,407; July 21.
Hose coupling. C. S. Kelley. 1,797,423; Mar. 24.
Hose coupling. R. E. Kohr. 1,838,313; Dec. 29.
Hose coupling. H. Lange. 1,832,990; Nov. 24.
Hose coupling. E. C. Post. 1,791,284; Feb. 3.
Hose coupling. T. Slovinski. 1,816,058; July 28.
Hose coupling. C. T. Smith. 1,810,735; June 16.
Hose coupling. F. H. Smith. 1,811,283; June 23.
Hose coupling. R. H. Stone. 1,809,874; June 16.
Hose coupling. E. W. Sullivan. 1,819,448; Aug. 18.
Hose coupling. G. W. Wildin. 1,790,190; Jan. 27.
Hose coupling. H. C. Wright. 1,790,891; Feb. 3.
Hose coupling, Air-brake. G. D. Young. 1,797,630; Mar. 24.
Hose coupling and the like. J. A. Paasche. 1,836,986; Dec. 15.
Hose coupling device. T. C. Gray. 1,830,229; Nov. 3.
Hose coupling, Quick-acting. A. H. Roos. 1,793,015; Feb. 17.
Hose coupling, Threadless. E. F. Ross. 1,838,574; Dec. 29.
Hose end indicator and valve, Combination. A. C. Andreasen. 1,805,476; May 19.
Hose, Flexible. E. S. Culver. 1,828,101; Oct. 20.
Hose, Flexible armored. C. F. Ogren. 1,816,740; July 28.
Hose, Flexible gasoline proof. J. M. Oden. 1,836,489; Dec. 15.
Hose for filling stations, Heated water. C. R. Mathews. 1,809,714; June 9.
Hose, High pressure. C. G. Banks. 1,811,226; June 23.
Hose. Method of and apparatus for handling fire. W. H. Tobin. 1,825,488; Sept. 29.
Hose, Multiple toe. H. Aust. 1,814,885; July 14.
Hose narrowing device regulator and stop mechanism. J. Stasinski and H. Grotewold. 1,832,749; Nov. 17.
Hose, Oil. E. Schulthess. 1,810,032; June 16.
Hose press. R. W. Dinzl. 1,791,055; Feb. 3.
Hose reel. C. F. Moore. 1,799,599; Apr. 7.
Hose reel. E. Svade. 1,812,065; June 30.
Hose reel. C. Wagner. 1,814,872; July 14.
Hose, Self supporting. L. Woods. 1,806,963; May 26.
Hose, Self-supporting. L. Woods. 1,813,266; July 7.
Hose shut-off device, Automatic gas. S. Dickstein and L. H. Weinstein. 1,818,609; Aug. 11.
Hose, stockings, and the like, Producing knitted. J. Coury. 1,791,235; Feb. 3.
Hose washer. G. B. Lowery. 1,790,756; Feb. 3.
Hosiery. J. M. Allen. Re17,958; Feb. 10.
Hosiery. H. Branley. 1,805,035; May 12.
Hosiery. G. E. Fichtner and M. G. Van Arsdale. 1,791,405; Feb. 3.
Hosiery. N. J. Goodman. 1,823,736; Sept. 15.
Hosiery. E. G. Hecker. Des. 85,648; Dec. 1.
Hosiery. R. E. Tilles. 1,824,636; Sept. 22.
Hosiery. M. P. Vogler. Des. 85,677; Dec. 1.
Hosiery. O. U. Zerk. 1,817,053; Aug. 4.
Hosiery and making same, Circular-knit. R. H. Lawson. 1,795,131; Mar. 3.
Hosiery and making same, Split foot. J. and R. H. Lawson. 1,801,279; Apr. 21.
Hosiery and manufacturing same, Seamless. J. M. Allen. 1,810,098; June 16.
Hosiery and the like, Form for shaping. E. J. Berger, H. W. Matthews, and W. M. Schindler. 1,789,666; Jan. 20.
Hosiery, Apparatus for knitting full fashioned. E. J. Thompson and R. H. Hubler. 1,805,893; May 19.
Hosiery drier. E. H. Steere and C. C. Steed. 1,833,799; Nov. 24.
Hosiery drying and shaping structure. T. W. Prosser. 1,816,296; July 28.
Hosiery finishing apparatus. T. W. Prosser and J. H. Wahlbeck. 1,815,865; July 21.
Hosiery frame, High-speed flat-. A. Richter. 1,794,247; Feb. 24.
Hosiery, Full-fashioned. J. M. Botts. 1,833,705; Nov. 24.
Hosiery, Knit. R. W. Scott. 1,803,138; Apr. 28.
Hosiery, Knitting garter extensions for. P. R. Nestler. Re18,279; Dec. 8.
Hosiery knitting machines, Loop regulating mechanism for full fashioned. J. Haines, jr. 1,826,660; Oct. 6.
Hosiery machines, Method and apparatus for forming knitted loops in. R. Guillemot. 1,813,849; July 7.
Hosiery, Manufacture of. C. Dreyfus. 1,802,634; Apr. 28.
Hosiery on flat knitting machines, Knitting. W. Heinitz. 1,829,650; Oct. 27.
Hosiery or the like. J. A. Struthers. Des. 85,214; Sept. 22.
Hosiery press. E. J. Schremp. 1,828,345; Oct. 20.
Hosiery printing apparatus. W. D. Butz. 1,830,638; Nov. 3.
Hosiery protecting compound. R. M. Metcalfe. 1,814,221; July 14.
Hospital switch. C. T. Schirmer. 1,799,126; Mar. 31.
Hospital table. P. E. Graff. 1,817,186; Aug. 4.
Hot air furnace. J. Camire. 1,809,233; June 9.
Hot air furnace. A. Doyle. 1,811,616; June 23.
Hot air furnace. G. A. Tuck. 1,830,008; Nov. 3.
Hot air furnace. J. E. Witte. 1,804,851; May 12.
Hot air heater. C. L. Cutler, jr. 1,828,319; Oct. 20.
Hot-air motor. A. Baum. 1,788,558; Jan. 13.
Hotbed. W. McKee. 1,824,439; Sept. 22.
Hotbed. E. T. Peterson. 1,834,728; Dec. 1.
Hot frame. C. M. Watt. 1,802,452; Apr. 28.
Hot metal mixer. L. E. Allen. 1,815,605; July 21.
Hot plate. G. E. Almquist. 1,796,182; Mar. 10.
Hot plate, Electric. A. A. Gratz. Des. 85,096; Sept. 15.
Hot plate, Electric. A. O. Samuels. Des. 84,758; July 28.
Hot top. N. F. Egler. 1,794,840; Mar. 3.
Hot top. L. G. Firth and E. B. Welch. 1,819,364; Aug. 18.
Hot top. W. H. Ramage. 1,792,868; Feb. 17.
Hot top for ingot molds. M. G. Dumas. 1,852,445–6; Sept. 29.
Hot top for ingot molds. A. J. Mueller. 1,830,479; Nov. 3.
Hot water bag. H. Ziele. 1,822,190; Sept. 8.
Hot-water heater. C. K. Bros and O. J. Lenmark. 1,799,951; Apr. 7.
Hot water heater. L. S. Denney. 1,805,165; May 12.
Hot water heater. C. H. Morrow. 1,809,143; June 9.
Hound, Adjustable. C. C. Carter. 1,798,063; Mar. 24.
House: *See*—
Bath house. Poultry house.
Drying house. Switch house.
Hog house.
House construction, Steel frame. E. H. Millard. 1,818,418; Aug. 11.
House moving jack. G. A. Hansen. 1,832,023; Nov. 17.
House number, Electrically-illuminated. E. W. Storms. 1,792,517; Feb. 17.
House number plate. A. Fazekas. Des. 84,886; Aug. 18.
House numbering device. C. M. Koster. 1,831,181; Nov. 10.
House or similar structure, Bird. A. B. Cowles. 1,791,956; Feb. 10.
House, Tourist. W. M. Rowles. Des. 84,958; Aug. 25.
House ventilator, Poultry-. R. L. Bourke. 1,800,278; Apr. 14.
Household implement. E. Martin. 1,801,817; Apr. 21.
Household implement, Combination. J. Salomone. 1,805,011; May 12.
Household ozonizer. A. R. Speer. 1,837,296; Dec. 22.
Housing and locking device, Combined grate shaker. J. L. Hillan. 1,831,415; Nov. 10.
Housing, Burner. H. C. Little. Des. 85,657; Dec. 1.
Housing construction, Transmission-. H. E. Altgelt. 1,791,782; Feb. 10.

Housing, Conveyer. T. A. Keen. 1,801,558; Apr. 21.
Housing equipment for aircraft. W. V. N. Powelson and W. Travell. 1,823,289; Sept. 15.
Housing, Doorlock. W. R. Schlage. 1,829,815; Nov. 3.
Housing for cane mills or the like, Bearing. O. Faber. 1,810,102; June 16.
Housing for dual control switch and lock movement assembly for railways. E. G. Little. Des. 85,250; Sept. 29.
Housing for motion picture apparatus, Portable soundproof. J. Arnold. 1,831,797; Nov. 17.
Housing for radiators, Overall. C. C. Shipp. 1,791,981; Feb. 10.
Housing for writing instruments, Collapsible. A. Shatkin. 1,807,444; May 26.
Housing, Multiple gauge sectional extensible. C. D. Allen. 1,831,732; Nov. 10.
Housing, Pulley. J. H. and J. D. Remington and V. G. Grahn. 1,795,889; Mar. 10.
Housing, Transmission. N. Skillman. 1,816,661; July 28.
Housing, Vehicle lamp. S H H. Kuenzel. Des. 84,424; June 16.
Housing, Worm and gear. J. G. Baumbach. 1,833,480; Nov. 24.
H_2SO_4 from weak SO_2 gas, Manufacture of. H. F. Merriman. 1,822,447; Sept. 8.
Hub and brake-drum assembly, Vehicle wheel. W. N. Booth. 1,800,883; Apr. 14.
Hub, Arbor. J. L. Buckley. 1,833,203; Nov. 24.
Hub assembly, Disk wheel. E. K. Baker. 1,818,447; Aug. 11.
Hub cap. R. E. Cochran. 1,807,965; June 2.
Hub cap. W. Colina. 1,832,003; Nov. 17.
Hub cap. R. Loewy. Des. 84,896; Aug. 18.
Hub cap. J. J. Punke. Des. 83,699; Mar. 17.
Hub cap. J. R. Wolff. 1,831,941; Nov. 17.
Hub cap for automobile wheels and the like. G. W. Yanss. 1,836,424; Dec. 15.
Hub cap, Reflecting. H. W. Shryock. 1,791,093; Feb. 3.
Hub cap, Wheel. H. L. Joyce. 1,835,601; Dec. 8.
Hub cap wrench. M. Horeth. 1,808,462; June 2.
Hub connection. G. B. Reed. 1,828,340; Oct. 20.
Hub construction for truck wheels. L. D. Kay. 1,835,950; Dec. 8.
Hub extension, Temporary. C. L. Snyder. 1,824,634; Sept. 22.
Hub, Fan. E. F. Guth. 1,791,125; Feb. 3.
Hub plate, Hydraulic adjustable. A. J. Sams. 1,817,020; Aug. 4.
Hub, Propeller. F. W. Caldwell. 1,801,486; Apr. 21.
Hub, Propeller. D. G. Lillsey. 1,801,511; Apr. 21.
Hub, Propeller. J. W. Smith. 1,807,179; May 26.
Hubs, Making. C. L. Eksergian. 1,811,996; June 30.
Hubs, Wheel. E. Loock. 1,835,231; Dec. 8.
Hull. J. M. Miller. 1,809,306; June 9.
Hull construction. H. Ziegler. 1,831,697; Nov. 10.
Hull extractor and cleaner. E. L. Farley. 1,788,286; Jan. 6.
Hull extractor, Double action. A. L. Smith. 1,823,477; Sept. 15.
Hull for light boats, floats for aircraft and the like, Collapsible. R. J. H. Hudson. 1,828,805; Oct. 27.
Hull or body of craft. F. Melcher. 1,801,875; Apr. 21.
Hull or float, Form of. L. R. Grumman. 1,832,862; Nov. 24.
Hull structure for house-boats or the like, Sectional. W. Wilson. 1,810,742; June 16.
Huller: *See*—
Clover seed huller and scarifier.
Corn huller.
Grain huller.
Grape huller.
Oat huller.
Hulling machines, Separating attachment for. C. P. Bettenga. 1,789,996; Jan. 27.
Humidifier. A. A. Aitken. 1,806,729; May 26.
Humidifier. C. J. Cowman. 1,822,644; Sept. 8.
Humidifier. J. B. Fisher. 1,817,357; Aug. 4.
Humidifier. A. M. Goodloe. 1,789,625; Jan. 20.
Humidifier. D. Handelan. 1,822,656; Sept. 8.
Humidifier. A. U. Jones. 1,838,405; Dec. 29.
Humidifier. J. W. Martin, jr. 1,817,442; Aug. 4.
Humidifier. B. M. Mills. 1,812,356; June 30.
Humidifier. E. D. Norton. 1,801,565; Apr. 21.
Humidifier. K. D. Perkins. 1,806,021; May 19.
Humidifier. E. J. P. Planert. 1,808,935; June 9.
Humidifier. J. P. Samels. 1,801,057; Apr. 14.
Humidifier. S. Silvers. 1,836,193–4; Dec. 15.
Humidifier. E. A. Spaulding. 1,808,183; June 2.
Humidifier. F. E. Stover. 1,824,416; Sept. 22.
Humidifier. W. G. Wagenhals. 1,805,059; May 12.
Humidifier. R. G. Yost and C. G. Schelly. 1,837,936; Dec. 22.
Humidifier and dust collector. R. C. Bender. 1,799,494; Apr. 7.
Humidifier and smoke-consumer system. E. B. Jarvis. 1,791,816; Feb. 10.
Humidifier, Automatic L. S. Foo. 1,828,702; Oct. 20.
Humidifier, Automatically-operative. W. F. Hillpot. 1,791,313; Feb. 3.
Humidifier, Centrifugal. F. B. Comins. 1,799,955; Apr. 7.
Humidifier, Electric. M. Katzman. 1,802,654; Apr. 28.
Humidifier, Electric. C. C. McCloud. 1,811,727; June 23.
Humidifier for explosive engines, Charge. C. E. Ennis and H. W. Crawford. 1,806,049; May 19.
Humidifier for explosive engines, Charge. C. E. Ennis and H. W. Crawford. 1,822,962; Sept. 15.
Humidifier for gas engines. K. Issar. 1,806,293; May 19.
Humidifier for internal-combustion engines. J. B. Lund. 1,789,148; Jan. 13.
Humidifier for refrigerators. F. G. Slagel. 1,800,846; Apr. 14.
Humidifying and air washing system. R. T. Cornelius. 1,835,760; Dec. 8.
Humidifying apparatus. W. Bock. 1,812,131; June 30.
Humidifying device. E. A. Grapp. 1,836,239; Dec. 15.
Humidifying device. E. C. Rosenow. 1,817,648; Aug. 4.
Humidifying device for internal combustion engines. W. G. Critchlow. 1,803,097; Apr. 28.
Humidifying system. A. E. Wigelsworth. 1,815,385; July 21.
Humidistat. E. A. Porter. 1,791,375; Feb. 3.
Humidity in air or other gas, Producing a constant degree of. J. Obermiller. 1,812,548; June 30.
Humidor. L. L. Clark. 1,830,591; Nov. 3.
Humidor. S. E. Guinn. Des. 85,042; Sept. 8.
Humidor. E. A. Porter. 1,791,376; Feb. 3.
Humidor. C. A. Ziebarth. 1,826,115; Oct. 6.
Humidor. R. D. Zucker. Re17,927; Jan. 13.
Humidor rack. G. P. Alexander. 1,836,892; Dec. 15.
Hurdle, Diving. B. W. Oertel. 1,808,371; June 2.
Hutch, Rabbit. A. D. Stoner. 1,825,557–8; Sept. 29.
Hydrant, Fire. D. Emerson. 1,800,010; Apr. 7.
Hydraulic apparatus. H. E. Grau and A. J. Colmerauer. 1,790,913; Feb. 3.
Hydraulic apparatus. D. H. Montgomery. 1,796,936; Mar. 17.
Hydraulic apparatus. L. F. Moody. 1,833,529; Nov. 24.
Hydraulic apparatus. F. Nagler. 1,823,624; Sept. 15.
Hydraulic brake. Burns Dick. 1,835,763; Dec. 8.
Hydraulic brake. M. M. Fisher. 1,821,178; Sept. 1.
Hydraulic brake. C. L. Jolly. 1,805,985; May 19.
Hydraulic brake. P. R. Kauffman. 1,837,446; Dec. 22.
Hydraulic brake. M. Loughead. 1,807,851; June 2.
Hydraulic brake. J. C. Monn and W. H. Miller. 1,820,362; Aug 25.
Hydraulic brake. A. D. Pentz. 1,805,256; May 12.
Hydraulic brake. W. G. Price. 1,787,796; Jan. 6.
Hydraulic brake. E. Wieczorek. 1,800,036; Apr. 7.
Hydraulic brake for aeroplanes. E. B. Boughton, W. Emmott, D. T. Brock, and A. C. Burden. 1,821,419; Sept. 1.
Hydraulic brake, Four-wheel. C. L. Eddy. 1,795,299; Mar. 10.
Hydraulic brakes, Mechanism for. F. L. Allred and L. E. Pritz. 1,795,818; Mar. 10.
Hydraulic clamp for rotary car dumpers. H. C. Heaton and F. H. Armstrong. 1,821,217; Sept. 1.
Hydraulic control, Apparatus for distant. A. Huguenin. 1,829,655; Oct. 27.
Hydraulic device for emptying furnaces. O. Uhde and V. Kolb. 1,838,014; Dec. 22.
Hydraulic drill. I. B. Humphreys. 1,828,604; Oct. 20.
Hydraulic elevator. L. C. Stukenborg. 1,834,506; Dec. 1.
Hydraulic engine. C. J. Spies. 1,787,737; Jan. 6.
Hydraulic jack. H. W. Bolens. 1,793,462; Feb. 24.
Hydraulic jack. B. Goldman. 1,813,700; July 7.
Hydraulic jack. B. Goldman. 1,836,962; Dec. 15.
Hydraulic jack. A. C. Hopkins. 1,811,085; June 23.
Hydraulic jack. R. E. Manley. 1,805,588; May 19.
Hydraulic jack. F. J. May. 1,788,027; Jan. 6.
Hydraulic jack. H. C. Miller and G. P. Sumner. 1,816,736; July 28.
Hydraulic jack. W. W. Smeak. 1,832,664; Nov. 17.
Hydraulic lift. E. W. Holmes. 1,800,020; Apr. 7.
Hydraulic machine. J. J. Ring. 1,823,702; Sept. 15.
Hydraulic machine, Continuous automatic. R. M. Galloway. 1,817,552; Aug. 4.
Hydraulic mechanism. S. V. E. Taylor. 1,831,690; Nov. 10.
Hydraulic mechanism for driving motor vehicles. G. W. Dooley. 1,803,932; May 5.
Hydraulic operating mechanism. E. Cannon. 1,828,643; Oct. 20.
Hydraulic operating mechanism. W. K. Rankin. 1,836,813; Dec. 15.
Hydraulic press. A. G. and J. L. Du Frane. 1,803,845; May 5.
Hydraulic press. W. E. McCullough. 1,808,244; June 2.
Hydraulic products from anhydrite, Making. J. E. Butler. 1,821,961; Sept. 8.
Hydraulic prospecting, Method of and apparatus for. E. A. Adler. 1,823,965; Sept. 22.
Hydraulic ram press, Inverted. A. C. Wisner. 1,801,893; Apr. 21.
Hydraulic regulator. R. Carlstedt. 1,827,067; Oct. 13.
Hydraulic suction device. J. G. Stamm. 1,812,724; June 30.
Hydraulic system. H. Ernst and L. F. Nenninger. 1,835,977; Dec. 8.
Hydraulically-operated shovel. W. Ferris. 1,793,438; Feb. 17.
Hydroairplane. V. J. Burnelli 1,838,297; Dec. 29.
Hydroairplane station. P. Gerli. 1,791,305; Feb. 3.
Hydroaryl amino anthraquinone compounds and making same. K. Weinand. 1,821,043; Sept. 1.
Hydrocarbon burner. G. B. Johnson. 1,804,469; May 12.
Hydrocarbon burner. R. L. Meridith. 1,807,247; May 26.

Hydrocarbon compounds, Composition of and method for the treatment of. W. E. Elliott. 1,814,745; July 14.
Hydrocarbon compounds from aqueous halogen acids, Removing volatile. M. E. Putnam. 1,822,372; Sept. 8.
Hydrocarbon, Desulphurizing liquid. H. H. Wilson. 1,805,444; May 12.
Hydrocarbon distillates, Polymerizing. R. C. Osterstrom, J. Hyman, and C. R. Wagner. 1,789,413; Jan. 20.
Hydrocarbon distillates, Sweetening. T. B. Kimball. 1,831,916; Nov. 17.
Hydrocarbon, Distilling. E. Piron. 1,794,542; Mar. 3.
Hydrocarbon fuel for internal-combustion engines, Carburetion of. G. Hamilton-Grapes. 1,795,855; Mar. 10.
Hydrocarbon material, Treatment of heavy. C. W. Andrews and R. D. Rogers. 1,805,711; May 19.
Hydrocarbon motor. R. M. Dilworth. 1,791,490; Feb. 10.
Hydrocarbon motor. J. G. Vincent. 1,802,544; Apr. 28.
Hydrocarbon motor. L. M. Woolson. 1,820,106; Aug. 25.
Hydrocarbon products, Apparatus for cracking. G. Egloff and H. P. Benner. 1,805,615; May 19.
Hydrocarbon vapors and the like, Apparatus for condensing. J. C. Swan. 1,829,424; Oct. 27.
Hydrocarbon vapors, Apparatus for treating. W. F. Sims and V. U. Cloer. 1,821,116; Sept. 1.
Hydrocarbon vapors, Rectifying and treating. P. L. Magill. 1,807,924; June 2.
Hydrocarbon vapors, Resolution of. F. A. Howard and N. E. Loomis. 1,797,145; Mar. 17.
Hydrocarbon with metallic halides, Treating. R. W. Hanna. 1,803,670; May 5.
Hydrocarbons and apparatus therefor, Producing liquid. J. Maruhn and L. Tubben. 1,807,122; May 26.
Hydrocarbons and extraction of the oxidized products, Oxidation of. M. Luther, and H. Wille. 1,823,983; Sept. 22.
Hydrocarbons and apparatus used in the said art, Treating the gum. F. F. von Wilmowsky. 1,808,191; June 2.
Hydrocarbons and their derivatives from mixtures containing the same, Recovery of unsaturated. H. S. Davis. 1,790,519; Jan. 27.
Hydrocarbons and treatment of residues, Cracking of. E. W. Isom. 1,811,272; June 23.
Hydrocarbons, Apparatus and process for treating. G. Egloff. 1.810,700; June 16.
Hydrocarbons, Apparatus for cracking. N. E. Loomis. 1,812,658; June 30.
Hydrocarbons, Apparatus for distilling and cracking. J. H. Anderson. 1,800.672; Apr. 14.
Hydrocarbons, Apparatus for fractionation of. C. P. Dubbs. 1,804,553; May 12.
Hydrocarbons, Apparatus for fractionation of certain. H. S. Davis and W. J. Murray. 1,824,947; Sept. 29.
Hydrocarbons, Apparatus for producing lower-boiling-point. C. P. Dubbs. 1,799,413; Apr. 7.
Hydrocarbons, Apparatus for the depolymerization of. J. Mercier. 1,831.185; Nov. 10.
Hydrocarbons, Chlorination of aliphatic. L. F. Martin and A. R. Lux. 1,801,873; Apr. 21.
Hydrocarbons, Converting. C. P. Dubbs. 1,820,057; Aug. 25.
Hydrocarbons, Converting. C. P. Dubbs. 1,829,637; Oct. 27.
Hydrocarbons, Converting. J. J. Jakowsky. 1,792,744; Feb. 17.
Hydrocarbons, Converting. N. E. Loomis. 1,809,174; June 9.
Hydrocarbons, Converting. C. W. Watson. 1,823,922; Sept. 22.
Hydrocarbons, Cracking. E. C. Herthel. 1,789,072; Jan. 13.
Hydrocarbons, Cracking. E. C. Herthel. 1,809,297; June 9.
Hydrocarbons, Cracking. E. C. Herthel. 1,810,048; June 16.
Hydrocarbons, Cracking. E. C. Herthel and H. L. Pelzer. 1,787,981; Jan. 6.
Hydrocarbons, Cracking. E. C. Herthel and H. L. Pelzer. 1,826,782; Oct. 13.
Hydrocarbons, Converting. C. J. Pratt. 1,827,908; Oct. 20.
Hydrocarbons, Cracking. G. H. Taber, jr. 1,805,113; May 12.
Hydrocarbons, Dehydrogenating. M. B. Hopkins. 1,808,168; June 2.
Hydrocarbons, Desulphurizing. J. L. Cooley and L. C. McCloud. 1,839,087; Dec. 29.
Hydrocarbons, Desulphurizing cracked. G. Egloff. 1,803,964; May 5.
Hydrocarbons, Device for treating. R. Cross. 1,816,827; Aug. 4.
Hydrocarbons. Distillation of. I. C. Carpenter and A. R. Moorman. 1,797,715; Mar. 24.
Hydrocarbons, Electric arc treatment of liquid. Y. Mercier. 1,830,615; Nov. 3.
Hydrocarbons from gases, Extracting benzene. T. Schneider. 1,822,751; Sept. 8.
Hydrocarbons from gases, Removal of mono-cyclic aromatic. M. Pier, W. Boesler, and A. Eisenhut. 1,818,158; Aug. 11.
Hydrocarbons from oil shales, Increasing the yield of light. P. S. Danner and E. E. Lyder. 1,833,155; Nov. 24.
Hydrocarbons, Gum inhibitor for. W. S. Calcott and I. E. Lee. 1,789,302; Jan. 20.
Hydrocarbons, Halogenation or multinuclear aromatic. E. C. Britton and W. C. Stoesser. 1,835,754; Dec. 8.
Hydrocarbons into lighter ones, Apparatus for converting heavy. W. Landes. 1,792,912; Feb. 17.
Hydro-carbons, liquids and fluids, Apparatus for the conversion and transformation of. J. H. Adams. 1,811,834; June 30.
Hydrocarbons, Manufacture of unsaturated. A. Mittasch, W. Frankenburger, and G. Wietzel. 1,823,503; Sept. 15.
Hydrocarbons, Method and apparatus for fractionation of. C. P. Dubbs. 1,804,554; May 12.
Hydrocarbons, Method of and composition for increasing the conductivity of. W. Kritchevsky and E. Morrill. 1,810,660; June 16.
Hydrocarbons, Obtaining aromatic. A. S. Ramage. 1,812,372; June 30.
Hydrocarbons of high boiling point into others of low boiling point, Conversion of. E. Galle and H. Zorn. 1,812,398; June 30.
Hydrocarbons of high-boiling-point range, Production of. R. Wietzel, W. Speer, and H. Kaehler. 1,798,288; Mar. 31.
Hydrocarbons of high molecular weight, Production of. C. Krauch and Mü-Conradi. 1,823,495; Sept. 15.
Hydrocarbons of the butadienne series, Polymerizing. K. Schirmacher and L. van Zütphen. 1,838,234; Dec. 29.
Hydrocarbons, Oxidation of. J. W. Pugh, E. Tauch, and T. E. Warren. 1,812,714; June 30.
Hydrocarbons, Polymerization of butadiene. H. Lecher and A. Koch. 1,789,873; Jan. 20.
Hydrocarbons, Preventing decomposition of halogenated. E. C. Zuckermandel. 1,819,505; Aug. 18.
Hydrocarbons, Process and apparatus for converting. W. M. Cross. 1,818,674; Aug. 11.
Hydrocarbons, Process and apparatus for converting. W. M. Cross. 1,825,338; Sept. 29.
Hydrocarbons, Process and apparatus for cracking and treating. H. T. Darlington. 1,832,100; Nov. 17.
Hydrocarbons, Process and apparatus for producing light. H. Butler. 1,817,672; Aug. 4.
Hydrocarbons, Process and apparatus for treating. L. Kirschbraum. 1,791,566; Feb. 10.
Hydrocarbons, Process and apparatus for treating. C. P. Dubbs. 1,827,076; Oct. 13.
Hydrocarbons, Process and apparatus for treating heavier. C. H. Jenkins. 1,827,018; Oct. 13.
Hydrocarbons, Process of and apparatus for converting heavy into lighter. C. P. Dubbs. 1,806,284; May 19.
Hydrocarbons, Producing low boiling point. C. P. Dubbs. 1,806,616; May 26.
Hydrocarbons, Production of. R. Wietzel and K. Fischer. 1,801,382; Apr. 21.
Hydrocarbons, Production of unsaturated. P. Feiler. 1,799,787; Apr. 7.
Hydrocarbons, Production or recovery of lighter. A. Clarke and H. Butler. 1,813,024; July 7.
Hydrocarbons, Purification of halogenated. E. C. Britton. 1,804,458; May 12.
Hydrocarbons, Purification of solid aromatic. J. B. Hill. 1,819,680; Aug. 18.
Hydrocarbons, Refining. F. A. Apgar. 1,795,067; Mar. 3.
Hydrocarbons, Refining. F. A. Apgar. 1,797,255; Mar. 24.
Hydrocarbons, Refining. F. A. Apgar. 1,812,426; June 30.
Hydrocarbons, Refining. T. T. Gray. 1,825,861; Oct. 6.
Hydrocarbons, Refining. E. C. Herthel. 1,795,124; Mar. 3.
Hydrocarbons, Refining. E. C. Herthel. 1,797,262; Mar. 24.
Hydrocarbons, Refining. E. W. Isom. 1,812,439; June 30.
Hydrocarbons, Refining. W. Mendius. 1,812,446; June 30.
Hydrocarbons, Refining. J. G. Stafford. 1,823,175; Sept. 15.
Hydrocarbons, Separation of gaseous or low boiling unsaturated. O. Schmidt and O. Grosskinsky. 1,832,428; Nov. 17.
Hydrocarbons, Testing the purity of solid or liquid. A. Esau. 1,836,316; Dec. 15.
Hydrocarbons, Thermal decomposition of. G. O. Curme, jr. Re18,148; Aug. 11.
Hydrocarbons, Treating. J. C. Black. 1,789.510; Jan. 20.
Hydrocarbons, Treating. R. F. Davis. 1,829,213; Oct. 27.
Hydrocarbons, Treating. V. N. Jenkins and C. P. Wilson, jr. 1,825,270; Sept. 29.
Hydrocarbons, Treating. L. Kirschbraun. 1,824,215; Sept. 22.
Hydrocarbons, Treating. J. D. Seguy. 1,827,915; Oct. 20.
Hydrocarbons, Treating. E. R. Wolcott. 1,825,294; Sept. 29.
Hydrocarbons, Treating liquid. G. Van Senden. 1,819,348; Aug. 18.
Hydrocarbons, Treatment of. J. C. Clancy. 1,822,127; Sept. 8.
Hydrocarbons, Treatment of. L. de Florez. 1,806.597; May 26.
Hydrocarbons, Treatment of aliphatic. G. W. Howlett. 1,826.787; Oct. 13.
Hydrocarbons, Treatment of liquid. S. J. M. Auld, A. E. Dunstan, and P. H. Herring. 1,798,054; Mar. 24.

Hydrocarbons, Vaporization of heavy. A. Joseph. 1,806,997; May 26.
Hydroelectric generating station, Automatic. R. J. Wensley. 1,829,427; Oct. 27.
Hydroelectric plant, Increasing the useful low flow capacity of a. F. A. Allner. 1,813,107; July 7.
Hydrogen and apparatus therefor, Producing. M. K. Vinther. 1,817,726; Aug. 4.
Hydrogen and carbon from hydrocarbons, Production of. A. W. Burwell. 1,819,732; Aug. 18.
Hydrogen and gases containing hydrogen, Production. K. Gordon. 1,836,659; Dec. 15.
Hydrogen and nitrogen, Producing mixtures of. R. Linde. 1,830,610; Nov. 3.
Hydrogen, Device for continuously producing pure. J. Bellay. 1,815,090; July 21.
Hydrogen from gases, Eliminating sulphureted. W. Gluud. 1,818,615; Aug. 11.
Hydrogen from steam and carbon monoxide, Producing. J. S. Beekley. 1,789,538; Jan. 20.
Hydrogen in aircraft, Utilizing. C. L. Stokes. 1,802,586; Apr. 28.
Hydrogen, Manufacture of. A. T. Larson. 1,797,426; Mar. 24.
Hydrogen, Obtaining substantially pure. G. Cicali. 1,807,897; June 2.
Hydrogen, Producing. J. S. Beekley. 1,799,452; Apr. 7.
Hydrogen, Producing. W. A. Dew. 1,837,254; Dec. 22.
Hydrogen, Producing. R. Williams. 1,826,974; Oct. 13.
Hydrogen, Producing. R. Williams. 1,830,010; Nov. 3.
Hydrogen, Producing. R. Williams. 1,834,115–6; Dec. 1.
Hydrogen, Producing. A. T. Larson. 1,809,978; June 16.
Hydrogen, Production of. R. E. Battig. 1,831,943; Nov. 17.
Hydrogen, Production of. L. Casale. 1,793,677; Feb. 24.
Hydrogen, Production of. W. Cluud, K. Keller, R. Schönfelder, and W. Klempt. 1,816,523; July 28.
Hydrogen, Production of. F. Hansgirg. 1,836,919; Dec. 15.
Hydrogen, Production of. D. Tyrer. 1,803,221; Apr. 28.
Hydrogen, Purifying. O. Gross and F. Jost. 1,812,526–7; June 30.
Hydrogen sulfide and ammonia from gases, Absorption of. C. Hansen. 1,795,121; Mar. 3.
Hydrogen sulfide in fuel gas, Elimination of. F. W. Sperr, jr. 1,815,933; July 28.
Hydrogen sulphide from oils and other substances, Removing. L. Rosenstein. 1,827,912; Oct. 20.
Hydrogen sulphide, Purifying air containing. F. W. Sperr, jr. 1,817,778; Aug. 4.
Hydrogen sulphide, Removing. L. Rosenstein. 1,832,325; Nov. 17.
Hydrogenation products of carbonaceous material, Purification of. C. Krauch, M. Pier, and A. Eisenhut. 1,822,351; Sept. 8.
Hydrometer. S. J. Dunkley. 1,827,841; Oct. 20.
Hydrometer. L. Edelmann. 1,800,139; Apr. 7.
Hydrometer. C. E. Linebarger. 1,796,379; Mar. 17.
Hydrometer floats, Manufacturing. H. E. Christie and K. W. Couse. 1,813,384; July 7.
Hydrometer for liquids. H. Howard. 1,800,532; Apr. 14.
Hydrometer, Syringe. L. Edelmann. 1,800,138; Apr. 7.
Hydrometric recorder. A. A. Lanaux. 1,838,845; Dec. 29.
Hydroxy aldehydes, Manufacture of aromatic. F. Boedecker. 1,816,248; July 28.
Hydroxyanthraquinones, Preparing. I. Gubelmann and H. J. Weiland. 1,790,915; Feb. 3.
Hydroxy-derivatives of the diphenyl series and process for making, Hydrogenated. E. Korten. 1,809,204; June 9.
Hydroxy-phenyl-azo-alpha-alpha-diamino-pyridines, Obtaining. E. T. Tisza and B. Joos. 1,830,300; Nov. 3.
Hydroxythionaphthenes, Preparing. K. Schirmacher and E. Fischer. 1,797,104; Mar. 17.
Hygrometer. R. B. Somers. 1,809,426; June 9.
Hygroscopic products with brooms, Utilizing. H. Trepade. 1,822,831; Sept. 8.
Hygro-thermostat. C. C. Bradbury. 1,814,585; July 14.
Hypnotic and sedative, Synergized. M. L. Crossley. 1,830,313; Nov. 3.
Hypodermic bullet. B. Harris. 1,819,415; Aug. 18.
Hypodermic bullet. B. W. Harris. 1,815,300; July 21.
Hypodermic equipment. W. H. H. Bixler. 1,818,670; Aug. 11.
Hypochlorites of the form NaOCl, Production of alkali metal. P. R. Hershman. 1,834,210; Dec. 1.
I-beam base, Adjustable. A. Alsaker. 1,831,798; Nov. 17.
Ice, Apparatus for making carbon dioxide. N. M. Thomas. 1,814,195; July 14.
Ice, Apparatus for molding. H. R. Van Deventer. 1,828,693; Oct. 20.
Ice, Apparatus for producing small cubes of. M. J. Uline. 1,789,505; Jan. 20.
Ice adhesion breaker for aeroplanes. L. P. Barlow. 1,836,432; Dec. 15.
Ice-box and water cooler, Combination. S. W. Frechou. 1,812,777; June 30.
Ice by fluid pressure, Scoring. R. H. Roark. 1,805,296; May 12.
Ice can. L. S. Morse. 1,817,263; Aug. 4.
Ice can filler. T. J. Byrnes. 1,826,704; Oct. 13.
Ice carrier. W. L. Belgard. 1,817,056; Aug. 4.
Ice carrier, Running-board. H. L. Brown. 1,795,540; Mar. 10.
Ice cream and apparatus therefor, Making, freezing and hardening. W. F. Paradise. 1,822,170; Sept. 8.
Ice cream and the like, Process and apparatus for freezing. C. W. Vogt. 1,791,774; Feb. 10.
Ice cream and the like, Process and apparatus for cooling or freezing. C. W. Vogt. 1,828,853; Oct. 27.
Ice-cream cone. A. D. Niemeyer. Des. 83,742; Mar. 24.
Ice cream cone. W. W. Turnbull. 1,829,201; Oct. 27.
Ice-cream-cone carrier. T. J. Adams. 1,789,508; Jan. 20.
Ice-cream cutter. J. N. Mocking and M. Indech. 1,798,551; Mar. 31.
Ice cream cutter. C. Pace. 1,806,704; May 26.
Ice cream cutting machine. J. Schultz. 1,833,266; Nov. 24.
Ice-cream dipper. C. R. Hitz. 1,799,791; Apr. 7.
Ice-cream disher. J. Brezin. 1,789,065; Jan. 13.
Ice cream disher. H. D. Flegel. 1,829,442; Oct. 27.
Ice-cream disher. T. Jameson. 1,789,588; Jan. 20.
Ice-cream disher. G. T. Parr. 1,798,490; Mar. 31.
Ice-cream dispenser. P. D. Pearce. Re17,922; Jan. 6.
Ice-cream dispensing. E. L. Hatcher. 1,797,417; Mar. 24.
Ice-cream freezer. J. R. Green. 1,790,373; Jan. 27.
Ice-cream freezer. J. E. Parker. 1,798,219; Mar. 31.
Ice-cream freezer. M. A. Rollman. 1,793,964; Feb. 24.
Ice-cream handling machine for filling confection shells. W. Stevens. 1,801,578; Apr. 21.
Ice-cream holder or cone. R. E. McKibben. 1,794,238; Feb. 24.
Ice cream making unit. W. G. Smith. 1,817,498; Aug. 4.
Ice cream or analogous material, Apparatus for continuous production of bricks of. C. W. Vogt. 1,810,740; June 16.
Ice cream or the like, Density control and delivery of. C. W. Vogt. 1,810,862; June 16.
Ice cream, Preparing. G. D. Turnbow. 1,818,364; Aug. 11.
Ice cream, Process and apparatus for continuous manufacture of. C. W. Vogt. 1,791,772; Feb. 10.
Ice creeper. J. Dumas. 1,826,511; Oct. 6.
Ice cube forming assembly. H. Wardman. 1,802,190; Apr. 21.
Ice-cubing machine. A. Happel. 1,796,151; Mar. 10.
Ice-cutting machine. B. McDaniels and W. C. Brooks. 1,787,636; Jan. 6.
Ice jacket. P. E. Thrower. 1,802,290; Apr. 21.
Ice making and shaving machine. C. C. Spreen. 1,823,806; Sept. 15.
Ice-making apparatus. H. L. and R. Kelley. 1,790,426; Jan. 27.
Ice making apparatus. J. B. Rochelle. 1,833,129; Nov. 24.
Ice-making system. A. M. Lee. 1,796,568; Mar. 17.
Ice manufacture and refrigeration, System of. G. L. Vail. 1,805,932; May 19.
Ice manufacturing apparatus. G. Lange. 1,804,220; May 5.
Ice melting device. A. R. Towers. 1,824,638; Sept. 22.
Ice, Production of carbon dioxide. J. R. Donald. 1,806,240; May 19.
Ice removing system. S. E. Norton. 1,828,613; Oct. 20.
Ice scoring machine. J. O. Daugherty. 1,813,149; July 7.
Ice scoring machine. G. Komp, sr. 1,820,464; Aug. 25.
Ice scoring machine, Rotary. F. C. Westman. 1,812,731; June 30.
Ice shaver. S. T. Echols. 1,797,643; Mar. 24.
Ice-shaving machine. E. C. Sauls. 1,789,776; Jan. 20.
Ice skate. E. M. Squires. Des. 85,009; Sept. 1.
Ice-splitting machine. W. D. Phenix. 1,795,142; Mar. 3.
Ice system, Raw-water. J. A. Martocello. 1,796,759; Mar. 17.
Ice, Treating. H. T. Barnes. 1,816,511; July 28.
Ice vending machine. A. Happel. 1,818,325; Aug. 11.
Icing machine for cakes. O. E. Segrin. 1,802,842; Apr. 28.
Ice-rotting composition. A. C. White and C. E. Clason. 1,787,887–8; Jan. 6.
Ice sawing machine. J. C. Babst, J. H. Fisch, and J. Bauer. 1,820,340; Aug. 25.
Ice scoring machine. R. S. Cowan. 1,802,404; Apr. 28.
Ice scoring machine. R. S. Cowan. 1,831,057; Nov. 10.
Identification device. C. A. Williams. 1,788,004; Jan. 6.
Identification device, Automobile. F. A. Failing. 1,820,788; Aug. 25.
Identification mark. N. Saccoccia. 1,825,649; Sept. 29.
Identification means for ribbons and the like. J. Grossgebauer. 1,827,744; Oct. 20.
Identification plate, Automobile. J. F. Brand. 1,788,273; Jan. 6.
Identification plate for motor driven vehicles. O. Rommel. 1,835,087; Dec. 8.
Identification seal. D. D. Levy. 1,836,253; Dec. 15.
Identification seal. A. Messer. 1,810,493; June 16.
Identification system for keys. H. H. Fetter. 1,816,642; July 28.
Identification tag. H. C. Fowler. 1,831,854; Nov. 17.
Identification tag. J. Haas. 1,838,760; Dec. 29.
Identifier for toothbrushes and the like. H. Bausher. 1,811,660; June 23.
Identifying apparatus. H. S. Satterlee. 1,835,340; Dec. 8.
Identifying device, Laundry-. F. M. Steiner. 1,788,211; Jan. 6.
Identifying elements, Apparatus for. M. E. Simon and John A. O'Connor. 1,793,970; Feb. 24.
Identifying mechanism. A. F. Hanney. 1,836,165; Dec. 15.

Idler for conveyer belts, Training. S. D. Robins. 1,833,180; Nov. 24.
Idler for conveyor belts, Troughing. S. D. Robins. 1,833,179; Nov. 24.
Idler roll. W. E. Philips. 1,793,190; Feb. 17.
Idol. W. G. Huff. Des. 85,699; Dec. 8.
Igniter. F. R. Belt. Des. 84,730; July 28.
Igniter. H. P. Sparkes. 1,823,217; Sept. 15.
Igniter amplifier, High tension. P. O. Stewart. 1,839,004; Dec. 29.
Igniter, Gas stove. E. F. Gehrig. 1,823,538; Sept. 15.
Igniting composition. J. Parsons and J. H. Stover. 1,826,819; Oct. 13.
Igniting composition. A. Wieben. 1,831,760; Nov. 10.
Igniting device, Dynamo-electric. K. Schaffler-Glössl. 1,788,892; Jan. 13.
Igniting device for flame-throwing apparatus, Automatic. P. Grund. 1,797,654; Mar. 24.
Ignition amplifier, High tension. P. O. Stewart. Re18,092; June 9.
Ignition and valve mechanism of internal combustion engines for speed and power, Mechanism for automatically and synchronously adjusting the. H. L. Duncan. 1,819,743; Aug. 18.
Ignition apparatus. J. L. Arthur. 1,800,492; Apr. 14.
Ignition apparatus. J. L. Arthur. 1,813,900; July 14.
Ignition apparatus. W. A. Chryst. 1,792,072; Feb. 10.
Ignition apparatus. W. A. Chryst. 1,815,496; July 21.
Ignition apparatus. W. A. Chryst and J. L. Arthur. 1,798,726; Mar. 31.
Ignition apparatus. J. T. Fitzsimmons. 1,801,600; Apr. 21.
Ignition apparatus. J. T. Fitzsimmons. 1,825,388; Sept. 29.
Ignition apparatus. H. E. Norviel. 1,828,378; Oct. 20.
Ignition apparatus. J. Viramontes. 1,798,712; Mar. 31.
Ignition apparatus, Electric. T. L. Lee. 1,801,608; Apr. 21.
Ignition apparatus for oil burners. L. L. Scott. 1,835,097; Dec. 8.
Ignition apparatus, Intensity of. P. P. Quayle. 1,824,407; Sept. 22.
Ignition apparatus, Magneto-electric. W. Walther. 1,798,571; Mar. 31.
Ignition apparatus, Shielding means for. H. Rabezzana. 1,806,548; May 19.
Ignition coil. A. Ellwanger. 1,812,520; June 30.
Ignition coil. W. A. Chryst and R. I. Bates. 1,792,730; Feb. 17.
Ignition coil for battery ignition apparatus. J. Bohli. 1,798,060; Mar. 24.
Ignition-control device. J. B. Dyer. 1,789,938; Jan. 20.
Ignition device. J. L. Arthur and D. L. Hittle. 1,801,584; Apr. 21.
Ignition device. A. Ciraolo. 1,806,574; May 19.
Ignition device. C. H. Davis, jr. 1,836,451; Dec. 15.
Ignition device. F. J. Hardman. 1,792,089; Feb. 10.
Ignition device. D. L. Hittle. 1,807,624; June 2.
Ignition device. F. H. Prescott. 1,797,838; Mar. 24.
Ignition device, Electric safety. F. McKenzie. 1,801,519; Apr. 21.
Ignition device, Electrical. J. Fischer-Hinnen. Des. 18,136; July 28.
Ignition device for gas burners. C. E. Methudy. 1,823,621; Sept. 15.
Ignition device for oil burners and the like. C. Johnson. 1,822,777; Sept. 8.
Ignition device, Incandescent. I. E. McCabe. 1,834,289; Dec. 1.
Ignition flashes for gas engines, Producing. M. J. Dikeman. 1,788,356; Jan. 6.
Ignition indicator. A. H. Giusti. 1,809,750; June 9.
Ignition lock. R. Benjamin. 1,834,891; Dec. 1.
Ignition lock, Auto. B. B. and B. L. Hart. 1,790,007; Jan. 27.
Ignition lock, Automobile. E. N. Jacobi. 1,835,303; Dec. 8.
Ignition mechanism. J. N. Macrae. 1,830,326; Nov. 3.
Ignition mechanism for oil burners. J. N. Macrae. 1,811,274; June 23.
Ignition meter. E. E. Maxwell. Des. 83,462; Feb. 24.
Ignition roof for traveling grate boiler plants. R. Poth. 1,806,022; May 19.
Ignition switch. F. W. Andrew and W. Hemingway, jr. 1,839,171; Dec. 29.
Ignition switch. H. E. Norviel. 1,814,258; July 14.
Ignition system. H. Ford. 1,816,215; July 28.
Ignition system, Electric. W. H. Hutchins and W. Carlson. 1,801,603; Apr. 21.
Ignition system for internal combustion engines, Electric. M. Rall. 1,828,620; Oct. 20.
Ignition timer. J. T. Fitzsimmons. 1,825,720; Oct. 6.
Ignition timer. C. H. Kindl. Re18,276; Dec. 8.
Ignition timer and fuel pump unit. W. A. Chryst and H. C. Walters. 1,807,650; June 2.
Ignition timers, Apparatus for locking. H. E. Norviel. 1,820,243; Aug. 25.
Ignition timing, Device for automatically controlling. F. H. Williams. 1,789,573; Jan. 20.
Illuminated character. T. C. Prouty. 1,833,498; Nov. 24.
Illuminated fountain. H. Kloppe. 1,802,082; Apr. 21.
Illuminated fountain. R. R. Stabler. 1,837,732; Dec. 22.
Illuminated motion effects, Producing. H. B. Barker. 1,821,538; Sept. 1.
Illuminated transparency. R. E. Hallings. 1,809,382; June 9.
Illuminating apparatus. G. H. Cushing. 1,827,141; Oct. 13.
Illuminating apparatus. A. Nyman. 1,811,861; June 30.
Illuminating apparatus for photographic use. L. G. Simjian. 1,790,250; Jan. 27.
Illuminating appliance. N. C. Amen. 1,791,697; Feb. 10.
Illuminating arrangement. W. Bauersfeld and H. Hartinger. 1,822,076; Sept. 8.
Illuminating device. C. A. Barbian. 1,835,745; Dec. 8.
Illuminating device. S. W. Fullerton. 1,826,389; Oct. 6.
Illuminating device. J. F. Holzman. 1,824,270; Sept. 22.
Illuminating device. B. A. Morton. 1,793,818; Feb. 24.
Illuminating device. E. H. Odenheimer. 1,796,614; Mar. 17.
Illuminating device. J. F. Seitz. 1,834,428; Dec. 1.
Illuminating device. J. J. Wompey. 1,827,963; Oct. 20.
Illuminating globe. H. Aglow. Des. 83,384; Feb. 17.
Illuminating means. L. V. Foster. 1,788,712; Jan. 13.
Illuminating means for telephone calling devices. J. G. Strock. 1,833,135; Nov. 24.
Illuminating means, Horizontal. K. R. Crumpton. 1,823,728; Sept. 15.
Illuminating paraphernalia, Dancer's. J. Schmalbach. 1,820,681; Aug. 25.
Illuminating system for regulating traffic. W. V. Roberts. 1,824,572; Sept. 22.
Illuminating system for tile-mounting machine. L. S. Jones, G. W. Fisher, C. G. Henrikson, and N. C. Butler. 1,832,558; Nov. 17.
Illuminating unit for swimming pools. E. M. Rothen. 1,792,398; Feb. 10.
Illumination. H. M. Rasmussen. 1,811,333; June 23.
Illumination control system. R. B. Hunter. 1,825,316; Sept. 29.
Illumination control system. A. Simon. 1,827,043; Oct. 13.
Illuminator for license plates. S. Caccamo. 1,821,420; Sept. 1.
Illuminator for water gauges. A. E. McGruer. 1,802,122; Apr. 21.
Illustrating apparatus. E. Altenburg. 1,791,994; Feb. 10.
Image and making the same. A. B. Howell. 1,801,200; Apr. 14.
Image producing system. H. E. Ives. 1,815,203; July 21.
Images at a distance, Method and apparatus for reproducing. P. Chalfin and B. Chalfin. 1,790,038; Jan. 27.
Immersing apparatus. G. H. Lewis. 1,790,010; Jan. 27.
Immersion device, Successive. L. Gross. 1,795,167; Mar. 3.
Immersion heater. G. E. Feldman. 1,801,307; Apr. 21.
Impact bit. J. H. Granger. 1,821,212; Sept. 1.
Impact recorder. J. B. Baskerville. 1,820,770; Aug. 25.
Impact separator. C. G. Hawley. 1,800,831; Apr. 14.
Impaling pin. H. A. W. Wood. 1,816,947; Aug. 4.
Impedance element. W. P. Mason. 1,795,874; Mar. 10.
Impedance equalizer for any smooth line. R. S. Hoyt. 1,815,255; July 21.
Impedance, Measurement of mechanical. H. C. Harrison. 1,832,901; Nov. 24.
Impedance modifying device. W. H. Edwards. 1,836,109; Dec. 15.
Impeller. H. E. Bucklen and H. O. Putt. 1,792,212; Feb. 10.
Impeller. J. B. Sperry. 1,839,126; Dec. 29
Impeller locating and locking means, Centrifugal. A. R. Weis. 1,822,945; Sept. 15.
Impelling apparatus. G. F. Wilson. 1,795,588; Mar. 10.
Implement bag, Respirating. Gerhard K. E. H. Stampe. 1,791,229; Feb. 3.
Implement coupling, Straight line. A. E. Botsford. 1,837,526; Dec. 22.
Implement, Cutting. W. P. Melcher. 1,821,718; Sept. 1.
Implement for marking objects. A. C. Christopherson. 1,800,209; Apr. 14.
Implement for processing fur. J. H. Herrmann. 1,789,869; Jan. 20.
Implement retainer. F. A. Jimerson. 1,795,306; Mar. 10.
Implement retriever. H. Jaffé. 1,799,688; Apr. 7.
Implements, Adjusting means for agricultural. A. W. Reynolds. 1,813,511; July 7.
Impregnating apparatus. C. Koops. 1,805,145; May 12.
Impression adjusting mechanism. F. Lamatsch. 1,824,436; Sept. 22.
Impression seal, Pocket. H. Levy and S. Lonschein. 1,794,337; Feb. 24.
Impressions, Apparatus for translating. R. E. Naumberg. 1,828,198; Oct. 20.
Impressions, dentures, and the like, Appliance for and method of boxing-in. E. R. Stealy. 1,834,980; Dec. 8.
Imprint device. I. T. Fisk. 1,808,536; June 2.
Imprinting device. J. W. Lysons. 1,831,459; Nov. 10.
Impulse coupling. J. K. Lencke and H. Schmid. 1,814,318; July 14.
Impulse coupling. J. F. Martin. 1,788,062; Jan. 6.
Impulse coupling. C. F. Reis. 1,805,598; May 19.
Impulse emitter. A. Domaschko. 1,788,988; Jan. 13.
Impulse-metering system. D. R. Price. 1,801,106; Apr. 14.
Impulse sender. H. Sengebusch. 1,837,236; Dec. 22.
Impulse transmitter. H. W. Goff. 1,799,686; Apr. 7.
Impulse variable-selecting device, Single-. D. E. Wescott. 1,800,810; Apr. 14.

Impurities from grain, Apparatus for separating. C. Droin. 1,793,844; Feb. 24.
Incandescent bulb attachment. W. L. Withrow. 1,832,171; Nov. 17.
Incense burner. B. O. Briscoe. 1,801,538; Apr. 21.
Incense burner. J. E. Newton. 1,824,055; Sept. 22.
Inchoately marked articles of manufacture. E. H. Huntress. 1,822,148; Sept. 8.
Incinerator. A. R. Acheson. 1,824,974; Sept. 29.
Incinerator. J. A. Bean. 1,798,362; Mar. 31.
Incinerator. E. Breitwieser. 1,789,893; Jan. 20.
Incinerator. A. F. Carr. Des. 85,160; Sept. 22.
Incinerator. E. P. Cole. 1,835,635; Dec. 8.
Incinerator. A. A. Golovtchikoff. 1,795,771; Mar. 10.
Incinerator. E. H. Graver. 1,817,033; Aug. 4.
Incinerator. A. E. Miller and C. H. Johnson. 1,799,829; Apr. 7.
Incinerator. J. A. Owen. 1,797,670; Mar. 24.
Incinerator. J. W. Stokes. 1,837,594; Dec. 22.
Incinerator. E. W. Strube. 1,832,949; Nov. 24.
Incinerator and process, Garbage. H. M. Delacour. 1,821,620; Sept. 1.
Incinerator and water heater, Combined. W. C. Epstein. 1,794,947; Mar. 3.
Incinerator, Garbage. M. A. Kohn. 1,808,234; June 2.
Incinerator, Garbage. E. M. Owens. 1,803,206; Apr. 28.
Incinerator, Garbage. D. M. Reese. 1,811,562; June 23.
Incinerator, Garbage or refuse. W. F. Drew. 1,835,147; Dec. 8.
Inclined elevator. H. A. W. Wood. 1,838,204; Dec. 29.
Inclinometer. M. D. Hettrick. 1,829,990; Nov. 3.
Inclinometer. M. M. Titterington. 1,812,503; June 30.
Inclosed switch. H. J. Hammerly. 1,835,981–2; Dec. 8.
Inclosed switch. H. J. Hammerly. 1,838,020; Dec. 22.
Inclosure for rumble seats, Collapsible. F. E. Hartman. 1,809,034; June 9.
Incombustibles from stokers, Apparatus for removing. H. C. Carter. 1,828,700; Oct. 20.
Incubator. W. E. Bundy. 1,800,208; Apr. 14.
Incubator. L. De Vries. 1,811,685; June 23.
Incubator. W. Hanson. 1,808,107; June 2.
Incubator. W. F. Hillpot. 1,792,907; Feb. 17.
Incubator. W. F. Hillpot. 1,799,514; Apr. 7.
Incubator. H. M. Lackie. 1,820,311; Aug. 25.
Incubator. J. F. MacKay. 1,830,171; Nov. 3.
Incubator. C. D. McLean. 1,815,927; July 28.
Incubator. A. Seiling. 1,802,092; Apr. 21.
Incubator. F. E. Stover. 1,826,438; Oct. 6.
Incubator. T. K. Tiffany. 1,814,419; July 14.
Incubator, Cabinet. J. O. Gross. 1,823,395; Sept. 15.
Incubator hatching compartment. W. F. Hillpot. 1,833,020; Nov. 24.
Incubator mechanism. W. F. Hillpot. 1,797,503; Mar. 24.
Incubator mechanism. W. F. Hillpot. 1,827,984; Oct. 20.
Incubators, Automatic regulator for. F. S. McKibben. 1,794,412; Mar. 3.
Incubators, Disinfecting. J. H. Hackley. 1,837,264; Dec. 22.
Indenturing apparatus. H. W. Larson. 1,826,795; Oct. 13.
Index and signal. L. E. Hutchings. 1,817,564; Aug. 4.
Index, Cabinet. S. Anthony. 1,811,838; June 30.
Index, Card. S. Anthony. 1,791,297; Feb. 3.
Index, Card. R. Campbell. 1,801,623; Apr. 21.
Index, Card. F. P. Gorin. 1,832,295; Nov. 17.
Index device. L. E. Hutchings. 1,838,681; Dec. 29.
Index device. J. H. Rand, jr. 1,819,621; Aug. 18.
Index device. J. H. Rand. 1,830,886; Nov. 10.
Index elements, Apparatus for cutting. F. D. Powell. 1,804,642; May 12.
Index file, Card-. F. V. Shotwell. 1,796,055; Mar. 10.
Index for machine tools. D. C. Klausmeyer. 1,788,163; Jan. 6.
Index or file. W. H. Day. 1,817,031; Aug. 4.
Index or file. W. H. Day. 1,821,293; Sept. 1.
Index or file. W. H. Day. 1,837,019; Dec. 15.
Index or record device, Card. J. H. Rand, jr. 1,827,999; Oct. 20.
Index or record system, Visible. F. D. Powell. 1,809,066; June 9.
Index, Overlapping visible. G. H. Dawson. 1,834,204; Dec. 1.
Index, Rotary. G. L. Hinman. 1,803,553; May 5.
Index sheet Visible. F. C. Bingham. 1,827,638; Oct. 13.
Index, Sliding desk leaf. M. Maeder. 1,827,027; Oct. 13.
Index strip. R. F. Taber. 1,801,401; Apr. 21.
Index system, Card. D. A. Casey. 1,821,459; Sept. 1.
Index system, Visible. H. L. Matthes. 1,838,562; Dec. 29.
Index tab for loose-leaf sheets. F. S. Schade. 1,795,046; Mar. 3.
Index, Visible. G. H. Dawson. 1,801,804; Apr. 21.
Index, Visible. J. J. MacFadden. 1,802,348; Apr. 28.
Indexes, System of. E. Strassel. 1,835,678; Dec. 8.
Indexing mechanism. M. H. Hill. 1,827,007; Oct. 13.
Indexing mechanism. C. I. Wren. 1,789,485; Jan. 20.
Indexing mechanism, Automatic. F. Hunziker. 1,801,601; Apr. 21.
Indexing table. R. D. Easton. 1,811,882; June 30.
Indicating and controlling mechanism. C. W. Harris. 1,826,280; Oct. 6.
Indicating and recording instrument for testing piston rings and the like. J. H. Holloway. 1,816,532; July 28.
Indicating and recording system. J. F. Dahl and R. C. Davis. 1,823,091; Sept. 15.
Indicating apparatus. J. R. Beard and G. L. Porter. 1,814,278; July 14.
Indicating apparatus, Train. P. P. Stoker. 1,821,039; Sept. 1.
Indicating device. C. D. Bolin. 1,795,422; Mar. 10.
Indicating device. G. M. Eaton. 1,813,991; July 14.
Indicating device. G. Father. 1,789,732; Jan. 20.
Indicating device. J. W. Flenniken. 1,791,056; Feb. 3.
Indicating device. W. T. Henry. 1,793,800; Feb. 24.
Indicating device. C. S. Johnson. 1,802,150; Apr. 21.
Indicating device. H. Leveen. 1,797,004; Mar. 17.
Indicating device. C. B. Mills. 1,815,575; July 21.
Indicating device. A. B. Moulton. 1,809,637; June 9.
Indicating device. C. Pokora. 1,807,172; May 26.
Indicating device. J. A. Smith. 1,803,658; May 5.
Indicating device. J. J. N. Van Hamersveld. 1,817,722; Aug. 4.
Indicating device. J. J. N. Van Hamersveld. 1,817,724; Aug. 4.
Indicating device, Duplex. S. R. Cave. 1,806,785; May 26.
Indicating device for the power consumption in motor cars and the like. H. A. Dutschke. 1,812,868; July 7.
Indicating device responsive to temperature and pressure for internal combustion engines. H. Schlaich. 1,824,372; Sept. 22.
Indicating instrument. J. D. Peace, jr. 1,812,549; June 30.
Indicating instrument. B. W. St. Clair. 1,823,707; Sept. 15.
Indicating instrument. H. Schlaich. 1,803,211; Apr. 28.
Indicating instrument H. Schlaich. 1,838,962; Dec. 29.
Indicating instruments, Making. O. Sieper. 1,838,005; Dec. 22.
Indicating means. R. Hawkins. 1,805,244; May 12.
Indicating means. H. Schlaich. 1,802,278; Apr. 21.
Indicating means for wells. F. M. Collins. 1,822,203; Sept. 8.
Indicating mechanism for weighing apparatus. R. Joksch. 1,827,848; Oct. 20.
Indicating system. A. C. Finney. 1,817,744; Aug. 4.
Indicating system. R. A. Heising and J. P. Kendall. 1,832,116; Nov. 17.
Indicator; *See*—
- Automobile indicator.
- Balance indicator.
- Brake indicator.
- Call-number indicator.
- Camera-level indicator.
- Changeable indicator.
- Circuit indicator.
- Compass course and ground speed indicator.
- Crooked hole indicator.
- Current indicator.
- Depth cut indicator.
- Differential indicator.
- Direction indicator.
- Fare indicator.
- Flow indicator.
- Fluid flow indicator.
- Frequency indicator.
- Fuel loss indicator.
- Fuse indicator.
- Game indicator.
- Game-scoring indicator.
- Geographic station indicator.
- Grade indicator.
- Gyroscopic turn indicator.
- Heat indicator.
- Ignition indicator.
- Key indicator.
- Level indicator.
- Liquid level indicator.
- Lubricator indicator.
- Motor heat indicator.
- Photographic focus indicator.
- Oil and gas indicator.
- Overload indicator.
- Piston-position indicator.
- Position indicator.
- Pressure indicator.
- Price indicator.
- Radio indicator.
- Radio tuning indicator.
- Sheet-end indicator.
- Signal distortion indicator.
- Signal indicator.
- Smoke indicator.
- Speed indicator.
- Street and station indicator.
- Street indicator.
- Temperature indicator.
- Tension indicator.
- Time indicator.
- Traffic indicator.
- Traffic signal indicator.
- Trouble indicator.
- Vehicle indicator.
- Vibration indicator
- Water level indicator.
- Weight indicator

Indicator. D. Benjamin. 1,815,004; July 14.
Indicator. G. C. Fairbairn. 1,806,750; May 26.
Indicator. J. B. Glennon. 1,809,934; June 16.
Indicator. O. S. Hershey. 1,828,896; Oct. 27.
Indicator. P. Kollsman. Re18,072; May 19.
Indicator. P. Kollsman. Re18,306; Dec. 29.
Indicator. F. A. Kolster. 1,800,455; Apr. 14.
Indicator. J. D. Langdon. 1,823,746; Sept. 15.
Indicator. A. Meissner and O. von Bronk. 1,814,399; July 14.
Indicator. J. B. Mills. 1,815,722; July 21.
Indicator. N. A. Naddaff. 1,809,723; June 9.
Indicator. J. I. Parrish. 1,813,420; July 7.
Indicator. W. Pfab. 1,800,748; Apr. 14.
Indicator. J. J. N. Van Hamersveld. 1,796,639; Mar. 17.
Indicator. J. J. N. Van Hamersveld. 1,813,002; July 7.
Indicator. J. J. N. Van Hamersveld. 1,817,723; Aug. 4.
Indicator adapted chiefly for high pressure boilers, Level. B. A. Guy. 1,823,397; Sept. 15.
Indicator and stop, Liquid level. H. A. Jewett. 1,806,804; May 26.
Indicator apparatus for steam power plants, Water level. C. A. French and R. R. Waterman. 1,824,988; Sept. 29.
Indicator device. E. A. Niele. 1,797,553; Mar. 24.
Indicator for aeroplane fields, Direction. La V. R. Jones. Des. 85,437; Oct. 27.
Indicator for aircraft, Angle. R. J. Forrest. 1,820,791; Aug. 25.
Indicator for automobile headlights. J. M. Murray and B. P. Hoar. 1,832,317; Nov. 17.

Indicator for automobiles, Overflow and steam. W. H. Muzzy. 1,834,797; Dec. 1.
Indicator for carpet looms. C. E. Barrett. 1,815,822; July 21.
Indicator for concrete roads. W. R. Harris. 1,835,217; Dec. 8.
Indicator for cooling system of automobiles. H. E. Christie and K. W. Couse. 1,817,676; Aug. 4.
Indicator for cotton presses. W. J. Fouse. 1,816,252; July 28.
Indicator for elevators. E. L. Dunn. 1,821,500; Sept. 1.
Indicator for fallen drop wires. O. V. Payne. 1,826,326; Oct. 6.
Indicator for fluids in closed conduits, Flow. S. Larson. 1,795,340; Mar. 10.
Indicator for hydraulic turbines, Flow. I. A. Winter and A. M. Kennedy. 1,831,218; Nov. 10.
Indicator for internal combustion engines. M. B. Bleecker. 1,823,883; Sept. 22.
Indicator for mail boxes. A. Lutz. 1,814,941; July 14.
Indicator for motion-picture cameras, Footage. A. F. Victor. 1,812,068; June 30.
Indicator for motor cars and the like, Road. T. Taliani. 1,831,725; Nov. 10.
Indicator for motor vehicles, Turn. S. Beppu. 1,836,150; Dec. 15.
Indicator for oil display pumps, Flow. R. W. Nichols. 1,809,350; June 9.
Indicator for pastries and the like. W. Broad. 1,807,146; May 26.
Indicator for radio tubes. W. M. Stone. 1,838,716; Dec. 29.
Indicator for radio-receiver, Tuning. A. J. Neef. 1,821,568; Sept. 1.
Indicator for storage batteries. G. Yull. 1,818,185; Aug. 11.
Indicator for tires, Adjustable pressure. C. E. Stille. 1,806,372; May 19.
Indicator for vehicles, Direction. L. P. Petit. 1,791,683; Feb. 10.
Indicator for vehicles, Direction and movement. H. R. Pollock. 1,823,985; Sept. 22.
Indicator gauge. L. Scusa. 1,791,043; Feb. 10.
Indicator mechanism. W. C. Moran. 1,809,525; June 9.
Indicator or gauge, Automobile tire. M. J. Poster. 1,807,752; June 2.
Indicator or marker for football gridirons, Yardage. F. A. Warren and E. A. Hornby. 1,824,643; Sept. 22.
Indicator switch. T. Heap. 1,789,548; Jan. 20.
Indicator switch. C. T. Siebs. 1,820,990; Sept. 1.
Indicator system. E. J. Murphy. 1,814,842; July 14.
Indicator with several measuring ranges, Speed. E. Horn. 1,808,112; June 2.
Indicator with signaling device, Maximum energy demand. R. Pudelko. 1,789,685; Jan. 20.
Indices of fire control systems, Registering. J. C. Karnes. 1,804,992; May 12.
Indigo and making the same, Bromination products of 4, 4'-dimethyl-6, 6-dichloro-thio. I. Gubelmann, J. B. Oesch, and E. Havas. 1,821,705; Sept. 1.
Indigo powder and making same. C. J. Strosacker, H. Kendall, C. C. Kennedy, and E. L. Pelton. 1,794,805; Mar. 3.
Indigo powder and making the same. T. L. Masterson. 1,827,757; Oct. 20.
Individual chair. A. B. Bell. 1,819,808; Aug. 18.
Indoxyl, Treatment of. W. L. Spalding. 1,827,828; Oct. 20.
Inductance and coupling system, Adjustable. L. A. Gebhard. 1,809,932; June 16.
Inductance device. E. B. Wheeler. 1,837,245; Dec. 22.
Inductance, Shielded. W. L. Casper. 1,827,191; Oct. 13.
Inductance system. L. A. Gebhard. Re18,070; May 19.
Inductance system. L. A. Gebhard. 1,794,606; Mar. 3.
Inductance system. L. A. Gebhard. 1,809,933; June 16.
Inductance system. L. A. Gebhard. 1,817,247; Aug. 4.
Inductance system. L. A. Gebhard. 1,818,316; Aug. 11.
Inductance system. E. L. Powell. 1,801,455; Apr. 21.
Inductance system. A. M. Trogner. 1,818,363; Aug. 11.
Inductance system, Adjustable. L. A. Gebhard. 1,817,248; Aug. 4.
Induction furnace. P. H. Brace. 1,795,926; Mar. 10.
Induction furnace. P. H. Brace. 1,802,701; Apr. 28.
Induction furnace. P. H. Brace. 1,823,873–4; Sept. 22.
Induction furnace. J. V. Breisky and T. H. Long. 1,801,790; Apr. 21.
Induction furnace. N. R. Davis. 1,795,842; Mar. 10.
Induction furnace. N. R. Davis. 1,795,935; Mar. 10.
Induction furnace. N. R. Davis. 1,823,970; Sept. 22.
Induction furnace. N. R. Davis and C. R. Burch. 1,795,934; Mar. 10.
Induction furnace. N. R. Davis and P. G. H. Burbridge. 1,802,707; Apr. 28.
Induction furnace. N. R. Davis, M. J. Marchbanks, and J. H. Ludlow. 1,810,820; June 16.
Induction furnace. T. H. Long. 1,823,908; Sept. 22.
Induction furnace. C. S. Williams. 1,810,866; June 16.
Induction-furnace coil. P. H. Brace. 1,795,827; Mar. 10.
Induction furnace, Electric. E. F. Northrup. 1,795,136; Mar. 3.
Induction furnace, Electric. E. F. Northrup. 1,828,291; Oct. 20.
Induction heater. W. H. Spire. 1,821,530; Sept. 1.
Induction heating. E. F. Northrup. 1,791,934; Feb. 10.
Induction heating, High frequency. J. M. Fagan. 1,803,500; May 5.
Induction machines, Control system for. E. Reimann. 1,835,968; Dec. 8.
Induction meter. W. Beusch. 1,826,447; Oct. 6.
Induction meter. W. Beusch. 1,835,750; Dec. 8.
Induction meter. A. Callsen. 1,806,331; May 19.
Induction meter. H. Fröhlich. 1,812,331; June 30.
Induction meter. H. Fröhlich and T. Hausch. 1,812,332; June 30.
Induction meter. P. Paszkowski. 1,810,028; June 16.
Induction meter. R. Pudelko. 1,812,371; June 30.
Induction motor. B. F. Bailey. 1,837,394; Dec. 22.
Induction motor. F. W. Gay. 1,798,598; Mar. 31.
Induction motor. D. J. Stewart and E. D. Lilja. 1,822,679; Sept. 8.
Induction motor. J. W. Swendsen. 1,829,686; Oct. 27.
Induction motor, Reversing single phase. A. W. Haydon. 1,801,958; Apr. 21.
Induction ventilator. F. R. Kelley. 1,792,308; Feb. 10.
Inductive artificial line. M. I. Pupin. 1,834,735; Dec. 1.
Inductive coupling device. E. S. Dobson. 1,837,413; Dec. 22.
Inductor compass generator. M. M. Titterington. 1,819,488; Aug. 18.
Inductor for train control systems. P. X. Rice. 1,834,904; Dec. 1.
Inductor type furnace. E. F. Northrup. 1,805,150; May 12.
Inductor winding and method of making same. E. M. Fraser. 1,813,394; July 7.
Industrial product based upon Paraguayan tea. M. G. Veiga. 1,802,292; Apr. 21.
Inelastic laminated fabric, Narrow. W. C. Fisher. 1,802,243; Apr. 21.
Infant's band. W. A. Alexander. 1,792,563; Feb. 17.
Inflating and deflating device. W. L. Donkin and W. G. McCarty. 1,814,206; July 14.
Inflating and deflating device, Automatic. W. L. Donkin and W. G. McCarty. 1,814,207; July 14.
Inflating apparatus. A. A. T. Creser. 1,831,379; Nov. 10.
Inflating device, Automatic. D. H. Spicer. 1,830,249; Nov. 3.
Inflating inflatable bodies, such for example as inflatable boats, Method of and apparatus for. H. Meyer. 1,805,370; May 12.
Infolding machine. W. L. Dixon. 1,797,641; Mar. 24.
Infusions, Method and apparatus for making. L. H. Englund. 1,789,334; Jan. 20.
Infusions, particularly for preparing coffee, Apparatus for preparing. U. Paolini. 1,797,672; Mar. 24.
Ingot making. S. B. Sheldon. 1,795,519; Mar. 10.
Ingot material for use in drain opening compounds and making it, Prepared. W. C. Gangloff. 1,816,805; July 28.
Ingot, Metallic. E. Gathmann. 1,810,041; June 16.
Ingot mold. E. Gathmann. 1,806,753; May 26.
Ingot mold. E. Gathmann. 1,819,705; Aug. 18.
Ingot mold. T. McNally. 1,818,236; Aug. 11.
Ingot mold. W. H. Ramage and E. J. Kauffman. 1,813,508; July 7.
Ingot mold. E. R. Williams. 1,795,065; Mar. 3.
Ingot mold construction. R. G. Redmann. 1,804,275; May 5.
Ingot molds, Core box for. J. E. Perry. 1,814,185; July 14.
Ingot stripper. C. L. Bigler and J. Kloos. 1,807,275; May 26.
Ingot turning machine. F. L. Sabin. 1,829,573; Oct. 27.
Ingots, Manufacturing. Z. Colwell. 1,820,597; Aug. 25.
Ingots, Method of and apparatus for handling. A. R. Keller. 1,822,930; Sept. 15.
Ingots, Method of and apparatus for producing. E. Gathmann. 1,793,314; Feb. 17.
Ingredients of paving materials prior to the mixing thereof, Apparatus for weighing the. J. W. Davitt. 1,832,775; Nov. 24.
Inhaler. C. F. Adam. 1,789,921; Jan. 20.
Inhaler. J. Dylong. 1,823,094; Sept. 15.
Inhaler, Nasal. A. M. Allen. 1,818,028; Aug. 11.
Inhibitor. H. P. Corson. 1,809,621; June 9.
Inhibitor. R. L. Jenkins, J. H. Karrh, and C. R. McCullough. 1,809,041; June 9.
Inhibitor. J. M. Leaper. 1,832,781; Nov. 17.
Initial or monogram cap for golf club shafts. S. Faith. 1,830,936; Nov. 10.
Initiating apparatus. M. H. Spaulding. 1,801,885; Apr. 21.
Injecting and delivering machines for mortar and other materials. E. Fraenkel. 1,810,271; June 16.
Injection engine. H. M. Leonard. 1,835,504; Dec. 8.
Injector. F. J. Marty. 1,837,459; Dec. 22.
Injector. F. J. Marty and H. D. Yoder. 1,836,262; Dec. 15.
Injector. J. D. McClintock. 1,830,476; Nov. 3.
Injector. P. L. Scott. 1,816,157; July 28.
Injector and aspirator. W. Dwyer. 1,806,845; May 26.
Injector, Exhaust steam. J. F. Griffin, and A. Williams. 1,821,153; Sept. 1.
Injector for feeding water to steam boilers. B. T. Williston, F. W. Walch, and C. D. Allen. 1,828,633; Oct. 20.
Injectors, Operating mechanism for. D. S. Beattie. 1,787,432; Jan. 6.

Ink. E. W. Hill. 1,824,995; Sept. 29.
Ink base, Printing. G. D. Knight. 1,816,978; Aug. 4.
Inkbottle. C. D. Comstock. 1,798,067; Mar. 24.
Ink bottle pen filing protector. C. W. MacMillan. 1,811,361; June 23.
Ink distributing mechanism for printing presses. A. J. Daane. 1,817,677; Aug. 4.
Ink eliminator and doctor blade, Combined. R. B. Leech. 1,812,884; July 7.
Ink equalizer for printing presses. S. B. Lestner. 1,802,026; Apr. 21.
Ink for cellulose esters. J. H. Clewell. 1,806,965; May 26.
Ink for photographic films. E. B. Middleton. 1,833,086; Nov. 24.
Ink from paper, Removing printing. M. E. and B. W. Kinyon. 1,826,179; Oct. 6.
Ink impressions in web presses, Drying. C. F. Dausmann. 1,834,147; Dec. 1.
Ink pad, Fountain. C. H. Bright. 1,818,531; Aug. 11.
Ink pad with reversible plate. C. H. Bright, jr. 1,837,251; Dec. 22.
Ink, Printing. F. G. Lasher. 1,822,533; Sept. 8.
Ink remains from the printing plate of the form cylinder of rotary intaglio printing machines, Apparatus for removing any. K. Debus. 1,814,024; July 14.
Ink ribbon winding and measuring mechanism. A. L. Foster. 1,812,588; June 30.
Ink roller, Printing-. M. J. Troy and F. Libby. 1,790,124; Jan. 27.
Ink to inking ribbons, Supplying. G. E. Pelton. 1,826,568; Oct. 6.
Ink transfer member and making the same. G. E. Pelton. 1,830,559; Nov. 3.
Ink transfer member and making same. G. E. Pelton. 1,830,620; Nov. 3.
Inkstand and penwiper, Combination. K. Ohler. 1,800,699; Apr. 14.
Inkstand and writing implement, Combination. U. Pineda. Des. 83,173; Jan. 27.
Inkwell. F. D. Conderman. 1,798,014; Mar. 24.
Inkwell. R. S. Huss. 1,830,943; Nov. 10.
Inkwell and penholder, Combined. H. Barnes. 1,801,188; Apr. 14.
Inkwell and pen support, Combined. J. F. Gail. 1,821,179; Sept. 1.
Inkwell attachment for school desks. S. J. Roberts. 1,832,582; Nov. 17.
Inkwell, Automatic. J. P. Clary. Des. 85,030; Sept. 8.
Inkwell, Ready dip. J. P. Clary. 1,811,745; June 23.
Inker. J. V. Pacher. 1,801,877; Apr. 21.
Inking apparatus for printing machines. E. W. Smith. 1,798,042; Mar. 24.
Inking device. W. H. Young and E. O. Eckland. 1,807,562; May 26.
Inking device for marking machines. P. R. Glass. 1,808,812; June 9.
Inking device, Ribbon. J. G. Fortier. 1,804,976; May 12.
Inking device, Type-. L. Wetter. 1,788,816; Jan. 13.
Inking embossed work, Process and apparatus for. M. W. Canfield. 1,797,323; Mar. 24.
Inking machine, Ribbon-. C. H. Babb. 1,791,549; Feb. 10.
Inking means. T. Wakabayashi. 1,821,777; Sept. 1.
Inking mechanism. E. F. Dudley. 1,798,147; Mar. 31.
Inking mechanism. E. F. Dudley. 1,802,596; Apr. 28.
Inking mechanism. H. Fankboner. 1,825,999; Oct. 6.
Inking mechanism. J. J. Halliwell. 1,839,028; Dec. 29.
Inking mechanism. L. F. Pfister. 1,801,935; Apr. 21.
Inking mechanism for addressing machines. P. A. Gollnick and F. W. Broderick. 1,818,706; Aug. 11.
Inking mechanism for printing presses. W. F. Huck. 1,799,466; Apr. 7.
Inking mechanism for printing machines. E. T. Morris. 1,791,508; Feb. 10.
Inking mechanism for printing machines. E. W. Smith and T. E. Phythian. 1,799,027; Mar. 31.
Inking mechanism for printing presses. H. Lang. 1,809,632; June 9.
Inking mechanism for rotary printing machines. C. G. Quick and E. T. Morris. 1,799,703; Apr. 7.
Inking mechanism of intaglio-printing machines. S. Newton. 1,794,316; Feb. 24.
Inking pad. C. H. Bright, jr. 1,831,651; Nov. 10.
Inking pad. W. L. Edgarton. 1,815,371; July 21.
Inking roller. E. E. Edmiston and W. B. Read. 1,788,455; Jan. 13.
Inking roller. H. C. Schroeder. 1,829,189; Oct. 27.
Inks, Manufacture of printing. W. P. Price. 1,817,522; Aug. 4.
Inlay pad and making the same. H. P. McGovern 1,838,102; Dec. 29.
Inlay pad and making the same. W. J. McNally. 1,838,103; Dec. 29
Inlays, Forming. C. W. Scott. 1,816,915; Aug. 4.
Inn, Wayside. H. I. Lease. Des. 83,733; Mar. 24.
Innersole, Pigskin. H. M. Gusdorf. 1,821,213; Sept. 1.
Inner tube and valve stem, Pneumatic. F. H. Watson. 1,804,294; May 5.
Inner tube, Puncture self sealing. F. G. Carnahan. 1,836,902; Dec. 15.
Inner tubes for pneumatic tires, Cracking. J. Cooper. 1,813,027; July 7.
Inscription attachment for cameras. J. A. Smurthwaite. 1,821,408; Sept. 1.
Insect catcher. G. C. Van Kessel and M. E. Lindgren. 1,809,766; June 9.
Insect control device. A. E. Simpson. 1,815,595; July 21.
Insect destroyer and gatherer, Boll weevil. A. J. Dupont. 1,822,277; Sept. 8.
Insect exterminator. H. N. Sweet. 1,807,076; May 26.
Insect exterminator. R. Watson. 1,813,648; July 7.
Insect poison feeder. G. W. Gring. 1,815,652; July 21.
Insect protector. G. R. and E. L. Pendarvis. 1,805,415; May 12.
Insect trap. R. J. Armstrong. 1,823,777; Sept. 15.
Insect trap. R. J. Carballo. 1,812,512; June 30.
Insect trap. W. M. Frost. Re18,294; Dec. 22.
Insect trap. G. R. Galbraith. 1,823,892; Sept. 22.
Insect trap. L. Kozlowski. 1,823,365; Sept. 15.
Insect trap. C. H. Nixon. 1,802,774; Apr. 28.
Insect trap. W. E. Ramsey. 1,788,325; Jan. 6.
Insect trap. L. J. L. Rector. 1,807,550; May 26.
Insect trap. H. B. Wesson. 1,797,743; Mar. 24.
Insect trap. F. H. Wolf. 1,833,699; Nov. 24.
Insects, Device for trapping and exterminating. F. W. Loomis. 1,820,813; Aug. 25.
Insects, Eradicating. W. B. Hill. 1,795,488; Mar. 10.
Insects, Method and apparatus for capturing. G. Gourdon. 1,819,551; Aug. 18.
Insects, Trapping. H. B. Smith. 1,815,122; July 21.
Insecticide. L. C. Heckert. 1,808,893; June 9.
Insecticide. W. Moore. 1,797,877; Mar. 24.
Insecticide. A. P. Sachs. 1,789,565; Jan. 20.
Insecticide. F. W. Sullivan, jr., and E. W. Adams. 1,830,969; Nov. 10.
Insecticide. H. W. Walker. 1,807,078; May 26.
Insecticide. H. Wesche, K. Brodersen, and W. Ext. 1,794,046; Feb. 24.
Insecticide. H. Wesche, K. Brodersen, and W. Ext. 1,815,816; July 21.
Insecticide and deodorizing tablet. F. J. Curran. 1,803,238; Apr. 28.
Insecticide and fumigant. G. H. Buchanan. 1,795,593; Mar. 10.
Insecticide and fumigant. R. C. Roark and R. T. Cotton. 1,791,429; Feb. 3.
Insecticide and fungicide. I. G. McBeth and J. R. Allison. 1,787,585–6; Jan. 6.
Insecticide and fungicide. F. W. Sullivan, jr. 1,800,114; Apr. 7.
Insecticide and fungicide mixture. K. H. Fulton and M. T. Inman, jr. 1,826,065; Oct. 6.
Insecticide applying apparatus. J. C. Hewitt. 1,825,648; Sept. 29.
Insecticide, fungicide, and disinfectant. C. H. Peet. 1,816,441; July 28.
Insecticide package. F. G. Hollis. 1,801,921; Apr. 21.
Insecticides to vegetable matter, Applying. J. D. Neuls. 1,792,860; Feb. 17.
Insert for molded parts and making the same, Metal. F. C. De Reamer. 1,827,565; Oct. 13.
Insert for preserve tins for sausages. H. Fricke. 1,822,138; Sept. 8.
Insert for underfloor wiring ducts or the like. H. F. Richardson. 1,824,571; Sept. 22.
Inserting device for closures of containers. O. L. Bartlett. 1,837,891; Dec. 22.
Insole, Auxiliary. R. Sato. 1,829,612; Oct. 27.
Insole for boots and shoes, Cushioning. M. C. Messler. Re18,237; Oct. 27.
Insole for boots and shoes, Cushioning. M. C. Messler. 1,807,341; May 26.
Insole for boots and the like. J. Benda. 1,808,943; June 9.
Insole. C. N. Prouty. 1,822,981; Sept. 15.
Insoles, Manufacture of. E. A. Ellis. 1,830,428; Nov. 3.
Inspirator. J. L. Jones. 1,822,992; Sept. 15.
Instrument. R. H. Owens. 1,815,161; July 21.
Instrument. S. L. Ruskin. 1,832,879; Nov. 24.
Instrument attachment, Stringed-. S. Sieja. 1,797,592; Mar. 24.
Instrument board. H. Bernard and B. V. Ronco. 1,835,456; Dec. 8.
Instrument calibrating apparatus. T. de Koning. 1,809,783; June 9.
Instrument case. L. C. Shippy. 1,825,426; Sept. 29.
Instrument case, Interchangeable. I. F. Kinnard. 1,806,195; May 19.
Instrument-control element. D. R. De Tar. 1,800,055; Apr. 7.
Instrument-control means. C. A. Brokaw. 1,792,272; Feb. 10.
Instrument for aligning automobile wheels. A. Limpert. 1,810,429; June 16.
Instrument for detecting irregularities in the bores of pipes and the like. J. A. Robbins. 1,805,343; May 12.
Instrument for determining the quality of balls for games and components therefor. T. Cropper. 1,819,232; Aug. 18.
Instrument for exhibiting a function of a variable. E. Buckingham. 1,830,087; Nov. 3.
Instrument for locating storm zones. P. Wright. 1,836,423; Dec. 15.
Instrument for measuring irregularities of the spine. H. W. Christoph. 1,797,047; Mar. 17.
Instrument for measuring or comparing the tension of wires and cables. J. J. Albright, jr. 1,833,195; Nov. 24.

Instrument for measuring variable forces. J. G. Paulin. 1,791,246; Feb. 3.
Instrument for measuring venous pressure. J. A. E. Eyster. 1,830,829; Nov. 10.
Instrument for obtaining dynamically-symmetrical ratios. F. Robbins. 1,790,074; Jan. 27.
Instrument for recording deviations and vertical corrections in bore holes. B. Jones. 1,815,672; July 21.
Instrument for stringing and slicing beans. A. H. F. Perl. 1,795,231; Mar. 3.
Instrument for treating teeth. R. M. Kerr. 1,818,627; Aug. 11.
Instrument, Navigating. H. Addison, and W. B. Luard. 1,821,870; Sept. 1.
Instrument panel illumination. J. Zubaty. 1,823,868; Sept. 15.
Instrument panel with spaced cushioning devices. M. V. Terry. 1,835,577; Dec. 8.
Instrument test switch. W. H. Schramm. 1,834,184; Dec. 1.
Instrumentalities for annexing tips to tooth facings. P. Joffé. 1,814,044; July 14.
Installation, Rectifying. J. G. W. Mulder and E. Oesterhuis. 1,829,603; Oct. 27.
Insulated case. M. L. Webster. 1,813,786; July 7.
Insulated, conduit, etc., and making, Nonsticky water and flame resistant. J. A. Kennedy. 1,787,629; Jan. 6.
Insulated coupling. E. J. Schneider and M. B. Bradt. 1,797,263; Mar. 24.
Insulating blocks in the field, Making. H. S. Ashenhurst. 1,805,069; May 12.
Insulating board, Manufacturing. W. H. Mason. 1,812,970; July 7.
Insulating board with hard welded surfaces, Making integral. W. H. Mason. 1,812,969; July 7.
Insulating bodies and more particularly of insulators for spark plugs, Manufacture of. R. Reichmann. 1,803,355; May 5.
Insulating bushing. G. A. Burnham. 1,788,380; Jan. 13.
Insulating bushing. O. A. Pearson. 1,809,864; June 16.
Insulating case, Heat. M. L. Webster. 1,813,787; July 7.
Insulating clamp. C. B. Johnson. 1,818,714; Aug. 11.
Insulating covering for flexible pipe conduits. W. W. Knight. 1,824,601; Sept. 22.
Insulating device. F. G. Baum. 1,811,530; June 23.
Insulating jacket. O. F. Mottweiler and D. C. Drill. 1,827,035; Oct. 13.
Insulating jacket for hot water tanks. L. J. Henshaw. 1,813,995; July 14.
Insulating layers of different dielectric coefficient. H. Meurer. 1,802,030; Apr. 21.
Insulating mat. C. H. Fix. 1,837,422; Dec. 22.
Insulating material. A. F. Hill and D. C. Lenihan. 1,795,577; Mar. 10.
Insulating material. A. J. Russ. 1,812,306; June 30.
Insulating material. H. F. Winkelmann. 1,822,636; Sept. 8.
Insulating material and making same. G. B. Stryker, jr. 1,796,631; Mar. 17.
Insulating material and making the same. B. B. Paul. 1,828,292; Oct. 20.
Insulating material and making the same. C. A. Upson. 1,802,543; Apr. 28.
Insulating material, Composite. C. A. Upson and H. M. Spencer. 1,796,675; Mar. 17.
Insulating material, Electrical. J. E. G. Lahousse. 1,802,517; Apr. 28.
Insulating material, Making. A. J. Russ. 1,799,255; Apr. 7.
Insulating material, Sound deadening and heat, and making the same. H. B. Lindsay and A. L. Clements. 1,817,086; Aug. 4.
Insulating materials, Methods of and apparatus for treating. O. F. Mottweiler and D. C. Drill. 1,818,346; Aug. 11.
Insulating member for high tension construction. C. L. Stroup. 1,815,598; July 21.
Insulating pads, Producing thermal and electrical. B. Stone, H. Redshaw, and J. W. Nunns. 1,829,685; Oct. 27.
Insulating panel. G. A. Young. 1,826,114; Oct. 6.
Insulating refractory. E. B. Forse. 1,798,934; Mar. 31.
Insulating structure. O. F. Mottweiler and D. C. Drill. 1,818,345; Aug. 11.
Insulating structure, Laminated. J. E. Whittlesey. 1,804,043; May 5.
Insulating unit. W. E. Nelson. 1,801,525; Apr. 21.
Insulating wall structure. P. E. Klopsteg. 1,797,265; Mar. 24.
Insulation. C. R. Boggs. 1,829,209; Oct. 27.
Insulation. F. R. Leslie. 1,806,946; May 26.
Insulation, Cold-molded. R. E. Coleman. 1,799,004; Mar. 31.
Insulation, Colored cold molded. R. E. Coleman. 1,825,620; Sept. 29.
Insulation fabric, Reenforced. S. A. Williams. 1,811,416; June 23.
Insulation for field windings. L. C. Goad. 1,797,768; Mar. 24.
Insulation from wires, Apparatus for removing. J. Q. Holmes. 1,831,115; Nov. 10.
Insulation material and making the same, High temperature heat. C. E. Miller. 1,811,516; June 23.
Insulation, Monolithic underground. E. R. Powell. 1,797,443; Mar. 24.
Insulation of electrolytic cells, Thermal. J. N. Smith. 1,797,374; Mar. 24.
Insulation testing system. L. W. Brehman. 1,824,802; Sept. 29.
Insulator. A. O. Austin. 1,836,743; Dec. 15.
Insulator. G. M. Barrow. 1,824,766; Sept. 29.
Insulator. J. D. Beebe. 1,815,044; July 21.
Insulator. E. Burke. 1,799,580; Apr. 7.
Insulator. G. A. Burnham. 1,798,367; Mar. 31.
Insulator. S. L. Case. 1,802,704; Apr. 28.
Insulator. A. C. Earhart. 1,810,950; June 23.
Insulator. H. C. Eddy. 1,807,781; June 2.
Insulator. W. Estorff. 1,795,939; Mar. 10.
Insulator. K. A. Hawley. 1,822,485; Sept. 8.
Insulator. K. A. Hawley and D. H. Osborne. 1,819,748; Aug. 18.
Insulator. R. B. Hesson. 1,806,854; May 26.
Insulator. V. F. Houde. 1,829,354; Oct. 27.
Insulator. G. Jansson. 1,811,887; June 30.
Insulator. G. Jansson. 1,816,852; Aug. 4.
Insulator. P. J. Kayatt. 1,825,319; Sept. 29.
Insulator. H. M. Kraner. 1,813,172; July 7.
Insulator. W. D. Kyle. 1,821,222; Sept. 1.
Insulator. L. H. Lee. 1,790,273; Jan. 27.
Insulator. C. E. Miller. 1,838,319; Dec. 29.
Insulator. G. Polak. 1,818,931; Aug. 11.
Insulator. H. L. Schermerhorn. 1,796,052; Mar. 10.
Insulator. C. B. Van Atta. 1,832,157; Nov. 17.
Insulator and clamp for use in electrical work. E. F. Hogan. 1,811,083; June 23.
Insulator and core. R. Murray. 1,787,453; Jan. 6.
Insulator and terminal. W. D. Kyle. 1,821,221; Sept. 1.
Insulator, Building. J. C. Forster. 1,830,831; Nov. 10.
Insulator caps, Making. F. D. Wenn. 1,806,726; May 26.
Insulator clevis. M. W. Cooke. 1,819,500; Aug. 18.
Insulator connecter. G. M. Barrow. 1,824,767; Sept. 29.
Insulator coupling. J. R. Kearney. 1,800,643; Apr. 14.
Insulator cutter and treating insulators. M. F. H. Gouverneur. 1,808,105; June 2.
Insulator, Electrical. A. Nyman. 1,823,502; Sept. 15.
Insulator, Electrical. G. W. Bower. 1,832,804; Nov. 17.
Insulator fitting, Link-. A. O. Austin. 1,796,428; Mar. 17.
Insulator for automobile hoods. E. Bollinger. 1,826,046; Oct. 6.
Insulator for crank cases and oil pans. W. F. Walters. 1,788,605; Jan. 13.
Insulator for electric switchgear and the like, Oil jacketed. J. Christie. 1,830,870; Nov. 10.
Insulator for electron discharge devices, Refractory. F. H. Driggs. 1,826,510; Oct. 6.
Insulator for handled vessels. B. Church, jr. 1,799,782; Apr. 7.
Insulator, Leading-in. A. Imhof. 1,825,905; Oct. 6.
Insulator link connector. M. F. H. Gouverneur. 1,831,765; Nov. 10.
Insulator, Multiple-skirt. K. A. Hawley. 1,794,111; Feb. 24.
Insulator pin. K. A. Hawley. 1,829,926; Nov. 3.
Insulator pin. B. A. Plimpton. 1,793,191; Feb. 17.
Insulator pin and making same. B. A. Plimpton. 1,832,240; Nov. 17.
Insulator post. H. J. Cudney. 1,797,899; Mar. 24.
Insulator rack. R. M. Kerschner. 1,794,520; Mar. 3.
Insulator rack. C. L. Peirce, jr. 1,811,211; June 23.
Insulator racks, Making. R. M. Kerschner. 1,822,037; Sept. 8.
Insulator, Spark-plug. E. 7. Huntington. 1,792,985; Feb. 17.
Insulator, Strain. W. H. Kempton. 1,806,294; May 19.
Insulator support. E. W. Brady. 1,802,965; Apr. 28.
Insulator support. G. W. Brady. 1,802,966; Apr. 28.
Insulator support for electron discharge devices, Refractory. C. V. Iredell. 1,838,766; Dec. 29.
Insulator-supporting fixture. G. R. Bennett. 1,797,219; Mar. 24.
Insulator, Wheel torque. A. H. Leipert. 1,790,614; Jan. 27.
Insulator with nested parts. A. O. Austin. 1,823,676; Sept. 15.
Insulators, Apparatus for testing. A. O. Austin. 1,796,429; Mar. 17.
Insulators, Manufacturing. D. H. Osborne. 1,816,023; July 28.
Insulators, Method and apparatus for locating defective. T. F. Johnson, jr. 1,797,346; Mar. 24.
Insulators, Process and apparatus for testing. A. O. Austin. 1,796,427; Mar. 17.
Insulators, Sealing. K. A. Hawley. 1,810,424; June 16.
Intaglio machines, Wiping and scraping mechanism of. F. Waite. 1,818,441; Aug. 11.
Intaglio printing machine. K. Albrecht. 1,809,466; June 9.
Intaglio printing machine. A. Egli. 1,810,470; June 16.
Intaglio printing method. L. Freuder. 1,817,435; Aug. 4.
Intake for internal combustion engines, Cooling. F. S. Lockhart. 1,807,042; May 26.
Intake manifold heater. W. R. Strickland. 1,803,950; May 5.
Integrating device. L. A. Biehler. 1,829,036; Oct. 27.
Integrating device, Mechanical. A. C. Hardy. 1,799,134; Mar. 31.
Intelligence, Imparting. E. A. Sperry. 1,830,041; Nov. 3.

Intensity control. O. von Bronk and H. Rukop. 1,820,335; Aug. 25.
Interest calculator. E. G. Rice. 1,819,921; Aug. 18.
Interference elimination. G. von Arco. 1,829,204; Oct. 27.
Interference, Preventing. F. H. Kroger. 1,829,523; Oct. 27.
Interference, Reduction of. J. Herman. 1,795,393; Mar. 10.
Interferometer for the testing of optical elements. J. W. Hasselkus and O. G. Hay. 1,824,668; Sept. 22.
Interior collar can. A. L. Kronquest 1,825,596; Sept. 29.
Interlacing machines, Feeding mechanism for. G. W. Mudd. 1,805,528; May 19.
Interleaving sheet. W. G. D. Orr. 1,803,033; Apr. 28.
Interlinings and filler therefor, Producing. C. H. Rayner. Re18,001; Mar. 17.
Interlock, Electromechanical. T. Brady. 1,816,072; July 28.
Interlock for gear shift slip rods. A. M. Craig. 1,802,909; Apr. 28.
Interlock for truck tanks. A. Davis, jr. 1,799,288; Apr. 7.
Interlocking elements from sheet material, Making. W. H. Cobb. 1,814,244; July 14.
Interlocking member for slide fasteners. M. Laguzzi. 1,824,672; Sept. 22.
Interlocking system. S. H. B. Kidd. 1,789,261; Jan. 13.
Interlocking system for high frequency transmitters. L. A. Gebhard. 1,826,766; Oct. 13.
Interlocking system for railroads. F. L. Dodgson. 1,824,127; Sept. 22.
Interlocking system for railroads. N. L. Donovan. 1,824,748; Sept. 22.
Interlocking system for railroads. W. K. Howe. 1,824,146; Sept. 22.
Interlocking system for railroads. W. K. Howe. 1,824,148–9; Sept. 22.
Interlocking system for railroads. W. K. Howe. 1,824,151; Sept. 22.
Intelocking system for railroads. J. C. Lindner; 1,824,162; Sept. 22.
Interlocking system for railroads. S. N. Wight. 1,824,181; Sept. 22.
Intermediates and making them, New. G. Kalischer and W. Zerweck. 1,833,290; Nov. 24.
Intermittent actuating mechanism and method. D. R. Yarnall and T. P. Tapper. 1,816,886; Aug. 4.
Intermittent motion sprinkler. W. Van E. Thompson. 1,806,100; May 19.
Intermittently operating mechanism. W. F. Fraser. 1,837,319; Dec. 22.
Internal brake. G. L. Rothrock. 1,798,954; Mar. 31.
Internal-casing wrench. C. A. Rasmussen. 1,795,575; Mar. 10.
Internal combustion and steam engine, Combination. P. E. Perrenoud. 1,802,828; Apr. 28.
Internal-combustion engine. E. T. Adams. 1,790,892; Feb. 3.
Internal combustion engine. R. W. Bailey. 1,814,781; July 14.
Internal combustion engine. R. W. Bailey. 1,824,528; Sept. 22.
Internal combustion engine. S. G. Baits and R. H. Whisler. 1,802,495; Apr. 28.
Internal-combustion engine. O. G. Barnum. 1,792,062; Feb. 10.
Internal-combustion engine. F. G. Baum. 1,795,466; Mar. 10.
Internal combustion engine. O. Baur. 1,832,758; Nov. 17.
Internal combustion engine. L. N. Beytes and H. Bain. 1,829,780; Nov. 3.
Internal combustion engine. M. Birkigt. 1,834,893; Dec. 1.
Internal combustion engine. L. M. Bowman. 1,835,138; Dec. 8.
Internal combustion engine. H. H. Brackman. 1,807,725; June 2.
Internal combustion engine. M. Brau. 1,802,902; Apr. 28.
Internal combustion engine. C. S. Brown. 1,823,027; Sept. 15.
Internal combustion engine. R. N. Brown. 1,803,317; May 5.
Internal combustion engine. S. B. Brown. 1,805,540; May 19.
Internal combustion engine. J. Bryant. 1,806,608; May 26.
Internal combustion engine. F. A. Bullington. 1,821,139; Sept. 1.
Internal combustion engine. J. P. Burke. 1,812,859; July 7.
Internal combustion engine. W. M. Burns. 1,812,860; July 7.
Internal combustion engine. C. S. Burnett. 1,830,088; Nov. 3.
Internal-combustion engine. E. R. Burtnett. 1,794,829; Mar. 3.
Internal combustion engine. E. R. Burtnett. 1,813,276; July 7.
Internal-combustion engine. C. S. Busque. 1,798,587; Mar. 31.
Internal-combustion engine. H. Caminez. 1,793,904; Feb. 24.
Internal-combustion engine. G. E. Chédru. 1,798,967; Mar. 31.
Internal-combustion engine. V. Cizek. 1,790,198; Jan. 27.
Internal combustion engine. C. P. Clark and C. A. Bjornsson. 1,835,932; Dec. 8.
Internal combustion engine. D. F. Clarke. 1,812,862; July 7.
Internal combustion engine. C. H. Claudel. 1,803,461; May 5.
Internal-combustion engine. F. L. Coker. 1,800,677; Apr. 14.
Internal-combustion engine. D. F. Cook. 1,792,145; Feb. 10.
Internal-combustion engine. H. E. Curtis. 1,788,563; Jan. 13.
Internal combustion engine. H. H. Cutler. 1,824,536; Sept. 22.
Internal-combustion engine. J. D'Agostino. 1,789,579; Jan. 20.
Internal combustion engine. F. M. Dainton. 1,802,881; Apr. 28.
Internal combustion engine. C. D. Davis. 1,825,263; Sept. 29.
Internal combustion engine. J. R. Davis. 1,807,832; June 2.
Internal combustion engine D. A. Davison and G. E. Davison. 1,812,323; June 30.
Internal combustion engine. R. E. Deeble. 1,832,282; Nov. 17.
Internal combustion engine. W. P. Deppé. 1,811,540; June 23.
Internal combustion engine. W. P. Deppé. 1,815,432; July 21.
Internal combustion engine. P. Dugelay. 1,826,306; Oct. 6.
Internal combustion engine. E. P. Dumanois. 1,825,658; Oct. 6.
Internal combustion engine. E. P. du Pont and L. F. Hosley. 1,837,255; Dec. 22.
Internal combustion engine. H. W. Earl. 1,804,598; May 12.
Internal combustion engine. J. F. Edgar. 1,808,028; June 2.
Internal-combustion engine. A. T. Egolf. 1,789,225; Jan. 13.
Internal combustion engine. K. Eltze. 1,809,477; June 9.
Internal combustion engine. A. C. Estep. 1,814,676; July 14.
Internal-combustion engine. W. V. Falcon. 1,798,837; Mar. 31.
Internal combustion engine. J. P. Farnam and E. R. Stone. 1,813,730; July 7.
Internal combustion engine. G. T. Felbeck. 1,830,197; Nov. 3.
Internal combustion engine. F. Feyens. 1,818,796; Aug. 11.
Internal combustion engine. H. A. Finke. 1,807,087; May 26.
Internal-combustion engine. J. H. Geisse. 1,795,551; Mar. 10.
Internal-combustion engine. E. E. Goehler. 1,796,453; Mar. 17.
Internal combustion engine. M. J. Goldberg. 1,836,236; Dec. 15.
Internal combustion engine. W. R. Griswold. 1,817,187; Aug. 4.
Internal-combustion engine. S. S. Guy. 1,792,980; Feb. 17.
Internal-combustion engine. C. W. Hall. 1,792,689; Feb. 17.
Internal combustion engine. E. S. Hall. 1,825,691; Oct. 6.
Internal combustion engine. A. M. Harris. 1,838,256; Dec. 29.
Internal combustion engine. R. W. Harroun. 1,824,992; Sept. 29.
Internal combustion engine. R. V. L. Hartley. 1,817,747; Aug. 4.
Internal combustion engine. T. V. Hemmingsen. 1,803,250; Apr. 28.
Internal combustion engine. J. L. Henderson. 1,827,006; Oct. 13.
Internal combustion engine. K. J. E. Hesselman. 1,835,490; Dec. 8.
Internal combustion engine. F. R. Higley. 1,817,624; Aug. 4.
Internal combustion engine. F. R. Higley. 1,817,919; Aug. 11.
Internal combustion engine. F. R. Higley. 1,826,424; Oct. 6.
Internal combustion engine. G. D. Higman. 1,838,308; Dec. 29.
Internal combustion engine. W. H. Hill. 1,816,432; July 28.
Internal combustion engine. N. C. Hoch. 1,831,664; Nov. 10.
Internal combustion engine. Z. S. Hoffman. 1,813,925; July 14.
Internal combustion engine. H. L. Horning. 1,822,097; Sept. 8.
Internal combustion engine. H. L. Horning. 1,835,302; Dec. 8.
Internal combustion engine. A. W. Hubbell. 1,830,321; Nov. 3.
Internal combustion engine. W. J. Hunter. 1,802,382; Apr. 28.

Internal combustion engine. L. Imblum. 1,817,375; Aug. 4.
Internal combustion engine. F. T. Irgens. 1,827,818; Oct. 20.
Internal combustion engine. H. Johnson. 1,819,897; Aug. 18.
Internal-combustion engine. R. Johnson. 1,793,444; Feb. 17.
Internal combustion engine. H. M. Jones. 1,830,796; Nov. 10.
Internal-combustion engine. O. E. Jorgensen. 1,795,088; Mar. 3.
Internal combustion engine. J. W. Kabitzke. 1,823,903; Sept. 22.
Internal combustion engine. E. Kägi. 1,805,698; May 19.
Internal-combustion engine. M. Kahr. 1,788,576; Jan. 13.
Internal combustion engine. C. L. Kinder. 1,817,153; Aug. 4.
Internal combustion engine. A. H. King and E. A. Ryder. 1,838,408–9; Dec. 29.
Internal combustion engine. H. L. Kline. 1,832,562; Nov. 17.
Internal combustion engine. F. Koschka. 1,808,664; June 2.
Internal combustion engine. O. C. Kreis. 1,810,917; June 23.
Internal combustion engine. F. Land. 1,818,339; Aug. 11.
Internal-combustion engine. R. C. Macumber. 1,795,726; Mar. 10.
Internal combustion engine. W. W. Marvin. 1,825,278; Sept. 29.
Internal combustion engine. E. Maye. 1,808,675; June 2.
Internal-combustion engine. J. F. Mayer. 1,790,013; Jan. 27.
Internal combustion engine. J. J. McCarthy. 1,823,500; Sept. 15.
Internal combustion engine. F. W. McConnel. 1,815,572; July 21.
Internal combustion engine. H. E. McCray. 1,803,120; Apr. 28.
Internal combustion engine. A. J. Meyer. 1,817,390; Aug. 4.
Internal combustion engine. A. J. Michael. 1,828,060; Oct. 20.
Internal combustion engine. R. Miller. 1,805,670; May 19.
Internal-combustion engine. A. Moorhouse. 1,791,280; Feb. 3.
Internal-combustion engine. A. Moorhouse. 1,793,186; Feb. 17.
Internal combustion engine. A. Moorhouse. 1,830,124; Nov. 3.
Internal-combustion engine. K. E. Moree. 1,790,674; Feb. 3.
Internal-combustion engine. L. H. Morrill. 1,793,713; Feb. 24.
Internal combustion engine. L. H. Morrill. 1,838,436; Dec. 29.
Internal combustion engine. C. A. Muller. 1,821,662; Sept. 1.
Internal combustion engine. L. Myrick, jr. 1,827,482; Oct. 13.
Internal combustion engine. E. C. Newcomb. 1,832,726; Nov. 17.
Internal-combustion engine. A. M. Niven. 1,788,929–30; Jan. 13.
Internal combustion engine. A. M. Niven. 1,806,175; May 19.
Internal combustion engine. A. M. Niven. 1,820,630; Aug. 25.
Internal combustion engine. A. M. Niven. 1,832,573–4; Nov. 17.
Internal-combustion engine. W. Noble. 1,789,190; Jan. 13.
Internal combustion engine. W. Noble. 1,815,445; July 21.
Internal combustion engine. P. A. O'Neill. 1,838,495; Dec. 29.
Internal-combustion engine. V. H. Palm. 1,799,927; Apr. 7.
Internal combustion engine. H. A. Palmer. 1,832,575; Nov. 17.
Internal combustion engine. W. H. Parker. 1,808,146; June 2.
Internal combustion engine. T. J. Parker. 1,814,333; July 14.
Internal combustion engine. C. R. Paton. 1,824,732; Sept. 22.
Internal-combustion engine. J. G. Pew. 1,799,761; Apr. 7.
Internal combustion engine. A. Pfluger and K. Haage. 1,834,729; Dec. 1.
Internal combustion engine. J. H. Pierce. 1,805,843; May 19.
Internal-combustion engine. A. W. Pope, jr. 1,787,760; Jan. 6.
Internal-combustion engine. A. W. Pope, jr. 1,787,794; Jan. 6.
Internal combustion engine. G. R. Poyer. 1,819,825; Aug. 18.
Internal combustion engine. E. Rector. 1,817,208; Aug. 4.
Internal combustion engine. E. Rector. 1,824,297; Sept. 22.
Internal combustion engine. E. Rector. 1,827,108; Oct. 13.
Internal combustion engine. C. Reineke. 1,803,145; Apr. 28.
Internal combustion engine. H. R. Ricardo. 1,834,473; Dec. 1.
Internal combustion engine. W. Riehm. 1,825,545; Sept. 29.
Internal combustion engine. G. Riley. 1,813,258; July 7.
Internal-combustion engine. F. Rochefort. 1,798,033; Mar. 24.
Internal-combustion engine. H. M. Rockwell. 1,792,658; Feb. 17.
Internal combustion engine. H. M. Rockwell. 1,801,287; Apr. 21.
Internal combustion engine. H. M. Rockwell. 1,830,483; Nov. 3.
Internal combustion engine. W. F. Ross. 1,802,577; Apr. 28.
Internal combustion engine. W. F. Ross. 1,831,263; Nov. 10.
Internal combustion engine. C. D. Salisbury. 1,834,224; Dec. 1.
Internal combustion engine. E. Schattanek. 1,835,971; Dec. 8.
Internal combustion engine. A. Schwarz. 1,835,096; Dec. 8.
Internal-combustion engine. F. Schwarz. 1,798,037; Mar. 24.
Internal combustion engine. C. R. Short. 1,824,630; Sept. 22.
Internal-combustion engine. L. M. Shoup. 1,791,846; Feb. 10.
Internal-combustion engine. R. L. Skinner. 1,800,480–1; Apr. 14.
Internal combustion engine. R. L. Skinner. 1,830,136; Nov. 3.
Internal-combustion engine. W. F. Smith. 1,794,928; Mar. 3.
Internal-combustion engine. J. R. S. Smith. 1,798,043; Mar. 24.
Internal-combustion engine. B. C. Stickney. 1,787,599; Jan. 6.
Internal combustion engine. C. L. Stokes. 1,802,585; Apr. 28.
Internal combustion engine. L. Stork. 1,813,328; July 7.
Internal combustion engine. J. B. Strauss. 1,816,161; July 28.
Internal-combustion engine. J. Stuart, 2d. 1,795,099; Mar. 3.
Internal combustion engine. A. Swingle. 1,804,521; May 12.
Internal combustion engine. W. C. Tapp. 1,812,456; June 30.
Internal combustion engine. F. F. Taylor. 1,805,931; May 19.
Internal-combustion engine. C. H. Taylor and A. Hafner. 1,799,397; Apr. 7.
Internal combustion engine. C. A. Thomas. 1,810,193; June 16.
Internal combustion engine. E. Thomas and R. Stuhr. 1,813,781; July 7.
Internal combustion engine. S. W. Thompson. 1,819,137; Aug. 18.
Internal combustion engine. M. Tibbetts. 1,808,083; June 2.
Internal-combustion engine. O. D. Treiber. 1,792,201; Feb. 10.
Internal-combustion engine. A. B. Tucker. 1,798,508; Mar. 31.
Internal-combustion engine. C. F. Usborne, jr. 1,789,283; Jan. 13.
Internal combustion engine. S. J. Velton. 1,831,150; Nov. 10.
Internal-combustion engine. J. G. Vincent. 1,789,397; Jan. 20.
Internal combustion engine. J. G. Vincent. 1,823,714; Sept. 15.
Internal combustion engine. A. Welling. 1,836,635; Dec. 15.
Internal-combustion engine. R. Wehr. 1,787,649; Jan. 6.
Internal-combustion engine. R. A. Weinhardt. 1,792,520; Feb. 17.
Internal combustion engine. I. M. Wherry. 1,803,783; May 5.
Internal combustion engine. F. White. 1,830,046; Nov. 3.
Internal-combustion engine. A. Widmann and L. M. Woolson. 1,791,991; Feb. 10.
Internal combustion engine. W. P. Wiemann. 1,811,771; June 23.
Internal combustion engine. W. W. Williams. 1,838,974; Dec. 29.
Internal combustion engine. L. J. Wolff. 1,809,577; June 9.
Internal-combustion engine. L. M. Woolson. 1,788,140; Jan. 6.
Internal-combustion engine. L. M. Woolson. 1,793,150; Feb. 17.
Internal-combustion engine. L. M. Woolson. 1,794,047; Feb. 24.
Internal-combustion engine. L. M. Woolson. 1,799,271; Apr. 7.

Internal combustion engine. L. M. Woolson. 1,836,217; Dec. 15.
Internal combustion engine. L. M. Woolson. 1,836,637; Dec. 15.
Internal-combustion engine. C. R. Wright. 1,790,256; Jan. 27.
Internal-combustion engine. W. M. Zaikowsky. 1,788,076; Jan. 6.
Internal-combustion engine. A. Zeman. Re18,003; Mar. 17.
Internal combustion engine, Air-cooled. B. H. Morgan and G. F. Jones. 1,827,700; Oct. 13.
Internal combustion engine, Cooling. N. B. Wales. 1,802,744; Apr. 28.
Internal combustion engine, Double acting. V. O. Lacambra. 1,825,961; Oct. 6.
Internal-combustion engine, Double-acting. O. Petersen. 1,792,444; Feb. 10.
Internal combustion engine, Double acting. M. Trechsel. 1,806,319; May 19.
Internal combustion engine, Double piston single cylinder. H. A. Johnston. 1,837,870; Dec. 22.
Internal-combustion engine, Four-stroke-cycle. F. De Lautour. 1,790,799; Feb. 3.
Internal combustion engine, Radial. C. S. McCann. 1,827,094; Oct. 13.
Internal combustion engine, Radial-cylinder. F. W. Highfield. 1,819,097; Aug. 18.
Internal combustion engine, Reciprocatory. H. Karl. 1,837,620; Dec. 22.
Internal combustion engine, Rotary. P. J. Ashworth. 1,817,663; Aug. 4.
Internal combustion engine, Rotary. A. Barreaux and G. Sarrazin. 1,825,571; Sept. 29.
Internal combustion engine, Rotary. F. A. Bullington. 1,829,391; Oct. 27.
Internal combustion engine, Rotary. M. J. Cunningham. 1,823,132; Sept. 15.
Internal combustion engine, Rotary. J. I. Haynes. 1,825,791; Oct. 6.
Internal-combustion engine, Rotary. H. E. Nichols. 1,792,026; Feb. 10.
Internal-combustion engine, Rotary. W. I. Staaf, sr. 1,793,875; Feb. 24.
Internal-combustion engine, Rotary. H. F. Wolstenholme. 1,795,750; Mar. 10.
Internal combustion engine, Rotary valve. P. Thomson. 1,824,697; Sept. 22.
Internal combustion engine, Scavenging two-cycle. F. Sass, J. Radloff, and J. Gerstmayr. 1,833,861; Nov. 24.
Internal combustion engine, Sleeve valve. J. A. Anglada. 1,811,450; June 23.
Internal combustion engine, Two cycle. H. Andresen. 1,816,276; July 28.
Internal combustion engine, Two stroke cycle. J. Dap. 1,827,932; Oct. 20.
Internal combustion engine, Two stroke cycle. H. Schlüpmann. 1,834,651; Dec. 1.
Internal combustion engine, Two stroke cycle. P. Schmaljohann. 1,822,750; Sept. 8.
Internal-combustion engine, Valveless. M. Chevallier and G. Poulain. 1,790,534; Jan. 27.
Internal combustion engine, Vertical opposed cylinder. J. L. Bogert. 1,819,730; Aug. 18.
Internal-combustion motor. J. F. Bleser. 1,798,866; Mar. 31.
Internal combustion motor. J. F. Bleser. 1,828,353; Oct. 20.
Internal combustion motor. D. E. Carpenter. 1,835,692; Dec. 8.
Internal combustion motor. C. H. Ericson. 1,827,938; Oct. 20.
Internal-combustion motor. R. W. Judson. 1,791,133; Feb. 3.
Internal combustion motor. A. F. and A. E. McFarland. 1,836,081; Dec. 15.
Internal combustion motor, Triple cam. C. A. Toce and A. Clark. 1,810,688; June 16.
Internal combustion motor, Two cycle. E. C. Wyckoff. 1,806,138; May 19.
Internal expansion brake. G. H. Stoner. 1,810,092; June 16.
Interpolating sytem. W. A. Knoop. 1,832,308; Nov. 17.
Interpole for rotary converters. E. Sauter. 1,820,398; Aug. 25.
Interpreting machine. J. M. Cunningham. 1,791,753; Feb. 10.
Intestinal lavage, Apparatus for submerged. A. Brosch. 1,813,608; July 7.
Iodates, Production of. H. Heimann and H. B. Seebohm. 1,800,630; Apr. 14.
Iodides of 2-aminopyridine and its derivatives and making same. M. Dohrn and R. Dirksen. 1,793,683; Feb. 24.
Iodine addition products of quinoline carboxylic acids and derivatives thereof. J. Ebert. 1,828,525; Oct. 20.
Iodine as iodide from iodine containing adsorption carbon, Obtaining. F. Ellinger. 1,810,039; June 16.
Iodine from aqueous solutions, Extracting. C. W. Jones. 1,837,777; Dec. 22.
Iodine in the form of rods, pencils, or the like, Preparing compressed. F. Hammer. 1,812,238; June 30.
Iodine solutions in pencil form as a substitute for tincture of iodine, Production of solid alcoholic. K. Jungmann and O. Kolbert. 1,806,260; May 19.
Ions, Apparatus for producing. R. H. Goddard. 1,809,115; June 9.
Iron: *See*—
Electric iron.
Gray cast iron.
Marcel iron.
Pressing iron.
Safety throw-off iron.
Soldering iron.
Waffle iron.
Iron. G. C. Watson. 1,831,215; Nov. 10.
Iron alloys free from gases, especially oxygen, Process and device for the production of. C. Brackelsberg. 1,807,468; May 26.
Iron and article of manufacture produced thereby, Externally hardening cast. A. Fry. 1,826,656; Oct. 6.
Iron and steel and product, Making. J. A. Carson. 1,813,437; July 7.
Iron and steel, Cementation of. H. Freudenberg. 1,796,248; Mar. 10.
Iron and steel, Determining the tensile strength of. B. D. Enlund. 1,829,793; Nov. 3.
Iron and steel, Purification of. M. Jager, E. Pokorny, and G. Gossrau. 1,818,556; Aug. 11.
Iron and steel sheets, Heat treating. H. M. Cox and C. M. Smith. 1,792,573; Feb. 17.
Iron and steel, Treatment of. C. M. Dennis. 1,827,223; Oct. 13.
Iron, Annealing and heat treating cast. P. S. Menough. 1,803,340; May 5.
Iron, Annealing gray. R. J. Cowan. 1,789,136; Jan. 13.
Iron article and method, Welded cast. G. H. Phelps. 1,802,778; Apr. 28.
Iron band, Corrugated. W. S. Dorset. 1,809,679; June 9.
Iron carbonyl composition, Stable. M. Muller-Cunradi and A. Kossuth. 1,802,155; Apr. 21.
Iron carbonyl, Manufacture of. A. Mittasch and C. Muller. 1,816,122; July 28.
Iron carbonyl, Manufacture of. M. Müller-Cunradi. 1,828,376; Oct. 20.
Iron-core static frequency changer. N. E. Lindenblad. 1,787,948; Jan. 6.
Iron, Extracting of. A. Langer. 1,815,946; July 28.
Iron for boots and shoes, Shank. R. A. Selby. 1,798,173; Mar. 31.
Iron from Bessemer steel, Manufacture of wrought. J. Aston and A. H. Beale. 1,820,177; Aug. 25.
Iron from materials, Removing. W. Gauls. 1,789,813; Jan. 20.
Iron in iron oxides to its metallic form, Reducing the. W. W. Percy. 1,792,507; Feb. 17.
Iron in the converter, and carrying out said process, Dephosphorizing. F. Bicheroux. 1,826,497; Oct. 6.
Iron ingots, Producing puddled. A. H. Beale. 1,820,175; Aug. 25.
Iron, Making malleable. I. R. Valentine. 1,830,630; Nov. 3.
Iron, Manufacture of stainless. A. L. Feild. 1,812,941; July 7.
Iron, Manufacturing gray pig. F. Greiner. 1,826,211; Oct. 6.
Iron-nickel-copper alloy. N. B. Pilling. 1,805,049; May 12.
Iron or ladder rung, Grab. G. S. Chiles. 1,813,114; July 7.
Iron or steel and making or treating same. J. R. C. Marsh. 1,838,425; Dec. 29.
Iron or steel or their alloys, Decarbonizing. W. Schottky. 1,821,407; Sept. 1.
Iron or the like, Soldering. E. Lütgert. 1,808,562; June 2.
Iron ore, Treatment of. H. A. Brassert. 1,815,899; July 28.
Iron ores, Beneficiating. R. F. Meyer. 1,833,686; Nov. 24.
Iron ores, Electrothermic reduction of. S. T. Wiles. 1,837,696; Dec. 22.
Iron ores, Treatment of. H. J. Pardee. 1,832,731; Nov. 17.
Iron-oxide pigment and producing the same as by-products of the reduction of aromatic nitro compounds. J. Laux. 1,793,941–2; Feb. 24.
Iron oxide pigments, Production of. J. Laux. 1,835,409; Dec. 8.
Iron plumbing fixture, Enameled. C. R. Crane, 2d. 1,815,705; July 21.
Iron, Producing pure. W. G. Clark. 1,792,967; Feb. 17.
Iron, Producing pyrophoric. H. L. Hartenstein. 1,819,164; Aug. 18.
Iron rest. F. R. Plaxco and I. L. Foster. 1,812,270; June 30.
Iron, Riveting. C. E. Sweeney. 1,803,368; May 5.
Iron, Rolling out sheet and hoop or band. F. Jordan. 1,792,377; Feb. 10.
Iron sheet-piling wall. K. Nolte. 1,790,438; Jan. 27.
Iron slag, Preparing or remelting wrought. E. L. Ives. 1,820,179; Aug. 25.
Iron stand, Pressing-. F. W. Rogers. 1,799,705; Apr. 7.
Iron sulphates. Dehydration and decomposition of. P. Weise. 1,813,649; July 7.
Iron with other metals and elements, Uniting. W. H. Smith. 1,793,757; Feb. 24.
Iron, wood, or other material, Coating bodies of. W. Baur. 1,795,703; Mar. 10.
Ironer. H. Hill. 1,825,350; Sept. 29.
Ironer, Laundry. F. J. Kahn. 1,824,435; Sept. 22.
Ironers, Stripping means for flat work. F. J. Couch. 1,808,764; June 9.

Ironing and wall table. B. J. Triller. 1,802,291; Apr. 21.
Ironing apparatus. F. Booth. 1,822,269; Sept. 8.
Ironing apparatus. J. Pullman and E. Gross. 1,789,638; Jan. 20.
Ironing board. K. Bakke. 1,814,109; July 14.
Ironing board. H. E. Bradstreet. 1,827,218; Oct. 13.
Ironing board. B. Bryan. 1,803,167; Apr. 28.
Ironing board. J. P. Doman. 1,794,838; Mar. 3.
Ironing board. J. P. Doman. 1,803,844; May 5.
Ironing board. R. L. Dorsey. 1,802,503; Apr. 28.
Ironing board. T. Evanoff. 1,822,281; Sept. 8.
Ironing board. G. W. Gomber. 1,801,151; Apr. 14.
Ironing board. A. E. James. 1,796,714; Mar. 17.
Ironing board. F. Knorr. 1,828,051; Oct. 20.
Ironing board. W. L. Kullberg. 1,819,821; Aug. 18.
Ironing board. T. C. and D. W. Petri. 1,827,670; Oct. 13.
Ironing board. B. S. Vaughan. 1,831,896; Nov. 17.
Ironing board. V. Wysong. 1,797,971; Mar. 24.
Ironing board and case therefor. S. Madsen. 1,796,569; Mar. 17.
Ironing board, Collapsible. E. Porter. 1,793,826; Feb. 24.
Ironing board construction. C. M. Morris. 1,810,722; June 16.
Ironing board, Disappearing. J. T. Batsell. 1,803,162; Apr. 28.
Ironing board, Folding. C. A Forney. 1,836,913; Dec. 15.
Ironing board, Folding. S. F. Slawski. Re18,223; Oct. 6.
Ironing board structure, Folding. C. A. Keebler. 1,833,997; Dec. 1.
Ironing device. W. H. Kelsey. 1,803,622; May 5.
Ironing device for the folds of collars. L. Santens.
Ironing machine. W. J. Asher. 1,809,467; June 9.
Ironing machine. F. M. Case. 1,796,505; Mar. 17.
Ironing machine. F. M. Case. 1,797,521; Mar. 24.
Ironing machine. T. S. Davis and L. Houston. 1,790,976; Feb. 3.
Ironing machine. J. Gordon. 1,795,023; Mar. 3.
Ironing machine A. Hammer. 1,812,263; June 30.
Ironing machine. H. A. W. Howcott. 1,811,793; June 23.
Ironing machine. F. T. Johnson. 1,792,167; Feb. 10.
Ironing machine. C. E. Reddig. 1,837,584; Dec. 22.
1,833,539; Nov. 24.
Ironing machine. C. O. Reeps. 1,823,469; Sept. 15.
Ironing machine. R. M. Sargent. 1,821,670; Sept. 1.
Ironing machine. O. E. Szekely. 1,790,684; Feb. 3.
Ironing machine and the like, Hat. J. F. Doran. 1,835,146; Dec. 8.
Ironing machine and utility table, Combined. A. J. Rothmann. 1,789,987; Jan. 27.
Ironing machine, Collar and cuff. A. L. Bausman. 1,823,482; Sept. 15.
Ironing machines, Attachment for. I. Goldman and J. Cohen. 1,793,791; Feb. 24.
Ironing table. J. C. De Penning. 1,792,969; Feb. 17.
Ironing table. R. F. Schulzke. 1,810,407; June 16.
Ironing table. B. S. Vaughan. 1,804,573; May 12.
Ironing table, Foldable. G. W. Lewis. 1,824,025; Sept. 22.
Ironing table, Folding. C. T. Gilbert. 1,834,488; Dec. 1.
Irons, Cord adjuster for electric. A. Morawski. 1,806,487; May 19.
Irradiating apparatus. C. E. Bills. 1,808,760; June 9. June 30.
Irrigating device. E. P. Neiman. 1,791,873; Feb. 10.
Irrigation gate. W. M. Harwood. 1,830,999; Nov. 10.
Irrigation tube. J. W. Oneill. 1,824,951; Sept. 22.
Irrigator. M. H. Kowan. 1,820,076; Aug. 25.
Irrigator, Dilating. G. E. Stevens. 1,828,986; Oct. 27.
Isatin and derivative thereof, Preparing. G. Kränzlein, A. Wolfram, and E. Hausdörfer. 1,792,170; Feb. 10.
Isoalkylene phenols, Production of. W. Schoeller, H. Jordan, and R. Clere. 1,798,813; Mar. 31.
Isoeugenol, Obtaining. T. S. Carswell. 1,789,352; Jan. 20.
Isopropyl acetate, Making. H. E. Buc. 1,808,155; June 2.
Isopropyl ether of para-acetyl amino phenol. L. Thorp. 1,793,030; Feb. 17.
Jack: *See*—

Automobile jack.	Runway jack
Car jack.	Screed jack.
Chain jack.	Screw jack.
Climbing or lifting jack.	Service jack.
Floor jack.	Shackle jack.
House moving jack.	Spring jack.
Hydraulic jack.	Telescopic jack.
Journal box jack.	Timber jack.
Journal jack.	Tool jack.
Lifting jack.	Track jack.
Magnetic jack.	Treeing jack.
Pedal jack.	Universal jack.
Planetary gear operated	Vehicle jack.
Portable jack.	Vehicle lifting jack.
Pump jack.	Well casing jack.
Rail and tie holding jack.	Wood heel jack.
Ratchet jack.	

Jack. W. E. Ahola and N. O. Holmsten. 1,791,396; Feb. 3.
Jack. C. L. Anderson and G. H. Young. 1,838,168; Dec. 29.
Jack. G. A. Collison. 1,796,084; Mar. 10.
Jack. A. V. Jordan. 1,810,425; June 16.
Jack. J. H. Kohler. 1,810,657; June 16.
Jack. W. E. Larson and R. S. Harvey. 1,810,667; June 16.
Jack. G. L. Nolette. 1,814,226; July 14.
Jack. E. E. Sarr. 1,794,798; Mar. 3
Jack. M. C. Supan. 1,807,351; May 26.
Jack. G. E. Weaver and H. C. Buffington. 1,825,495; Sept. 29.
Jack. G. E. Weaver and A. J. Vettel. 1,795,583; Mar. 10.
Jack abutment. H. C. Quesenberry. 1,793,415; Feb. 17.
Jack and post puller, Combination. C. Achenbach 1,807,142; May 26.
Jack and wheel, Rotary lifting. H. E. Nehin. 1,823,660; Sept. 15.
Jack attachment for automobiles. F. T. Roberts, jr. 1,814,570; July 14.
Jack clip. L. A. Rawson. 1,838,788; Dec. 29.
Jack for balloon tires, Flexible rack. A. L. Johnson. 1,822,969; Sept. 15.
Jack for motor vehicles. C. E. Williams. 1,794,661; Mar. 3.
Jack for reciprocating pumps. L. C. West. 1,833,344; Nov. 24.
Jack handle. W. E. Larson and J. H. Kohler. 1,810,715; June 16.
Jack knife mine post. W. V. O'Bryan. 1,835,515; Dec. 8.
Jack mechanism. W. N. Squires. 1,802,790; Apr. 28.
Jack motion. A. Richter. 1,830,718; Nov. 3.
Jack multiplier, swing, and hold-up, Pumping-. B. G. Goble. 1,792,297; Feb. 10.
Jack or shock absorber for vehicles, Hydraulic. A. McNab. 1,829,451; Oct. 27.
Jack panel unit. E. A. Demonet. 1,817,738; Aug. 4.
Jack post. R. C. Rumbaugh. 1,826,574; Oct. 6.
Jack, Stanchion. E. R. Sage. 1,803,810; May 5.
Jack structure, Hydraulic. L. D. Nilson. 1,811,556; June 23.
Jack switch. V. A. Johnson. 1,839,034; Dec. 29.
Jack-top. E. R. Pope. 1,807,795; June 2.
Jack with automatic wheel retainer. S. W. L. Johnson and C. Zarembinsky. 1,813,164; July 7.
Jacket for coverings for steam or other pipes. P. M. Taft. 1,811,984; June 30.
Jacket, Umpire's signal. W. D. Mitchell and R. C. Albury. 1,839,113; Dec. 29.
Jacking device for road vehicles. W. Hall. 1,817,190; Aug. 4.
Jacking device for road vehicles. J. F. Stevenson. 1,834,295; Dec. 1.
Jacks, Automobile attachment for. F. T. Roberts, jr. 1,814,569; July 14.
Jacks, Safety attachment for automobile. J. D. Budds. 1,798,965; Mar. 31.
Jacquard apparatus. G. Nobst, and E. Ulbricht. 1,821,766; Sept. 1.
Jacquard mechanism. J. Morton. 1,828,336; Oct. 20.
Jail construction. H. D. Garber. 1,830,431; Nov. 3.
Jamb construction, Reenforced metal. I. A. Baum. 1,805,031; May 12.
Jamb, Metal. I. A. Baum. 1,807,959; June 2.
Jar: *See*—

Drilling jar.	Self-sealing jar.
Radium emanating jar.	Thermos jar.
Rotary drilling jar.	

Jar. T. W. Bell. 1,813,015; July 7.
Jar. A. C. Ebbesen. Des. 84,278; June 2.
Jar. E. W. Fuerst. Des. 84,333; June 9.
Jar. E. W. Fuerst. Des. 84,690; July 21.
Jar. E. W. Fuerst. Des. 85,471; Nov. 3.
Jar. S. V. Knepper. Des. 85,247; Sept. 29.
Jar. F. S. Maddaford. Des. 84,531; June 30.
Jar. D. Tappan. Des. 85,894; Dec. 29.
Jar. H. P. Wickersham. 1,833,144; Nov. 24.
Jar closure. A. M. Algeo. 1,812,873; June 30
Jar closure. L. O. Culver. 1,837,410; Dec. 22.
Jar closure, Metal. T. L. Taliaferro. 1,806,425; May 19.
Jar for drilling operations. L. W. Newcom. 1,798,337; Mar. 31.
Jar, Glass. H. R. McDonald. Des. 84,948; Aug. 25.
Jar lifter. E. W. Wheeler. 1 826,194; Oct. 6.
Jar opening device. W. S. Halstead and C. E. Cleeton. 1,834,307; Dec. 1.
Jar or similar article. R. P. Enderlin. Des. 85,690; Dec. 8.
Jar or similar article. O. C. Noble. Des. 85,838; Dec. 22.
Jar or similar article. T. J. Piazzoli. Des. 84,593; July 7.
Jar or similar article. T. J. Piazzoli. Des. 85,712; Dec. 8.
Jar or similar receptacle. L. Nejelski. Des. 84,098; May 5.
Jar washer. G. Morgan. 1,799,525; Apr. 7.
Jar wrench. A. Ragonese fu Mario. 1,812,705; June 30.
Jardiniere. D. H. Ross. Des. 84,847; Aug. 11.
Jarring machine. F. R. Wallace. 1,797,182; Mar. 17.
Jaw. R. E. Manley. 1,819,428; Aug. 18.
Jelly preparation. A. Leo. Re18,085; June 2.
Jelly preparation. A. Leo. 1,827,794; Oct. 20.
Jelly preparation. A. Leo. 1,827,991; Oct. 20.
Jelly preparation and making the same. A. Leo. 1,818,263; Aug. 11.
Jet device. H. D. Yoder. 1,806,187; May 19.
Jet flusher. C. G. Cramer, C. W. Meloney, and M. Urban. 1,795,763; Mar. 10.
Jewel mounted on a deformable basket-work, Malleable. L. J. Cartier. 1,821,791; Sept. 1.
Jewel or similar article, Precious or a semiprecious. L. M. Zell. Des. 85,505; Nov. 3.
Jewel setting. M. J. Schless. 1,811,520; June 23.

Jewelry. L. J. Cartier, and J. Coussaint. 1,821,792; Sept. 1.
Jewelry, Article of. J. W. Germain. 1,792,534; Feb. 17.
Jewelry, Article of. M. C. Meyer. 1,791,567; Feb. 10.
Jewelry, Article of. H. W. Peters. 1,810,291; June 16.
Jewelry Box, or article of similar nature. E. J. Gross. Des. 83,964; Apr. 21.
Jewelry clasp. H. A. Heugas. 1,823,043; Sept. 15.
Jewelry clasp. T. A. Mountford. 1,814,486; July 14.
Jewelry clasp, Costume. M. Lucomlin. Des. 84,787; Aug. 4.
Jig. F. U. Paulins. 1,792,506; Feb. 17.
Jig. G. E. Swartz. 1,833,695; Nov. 24.
Jig for boring connecting rods. A. Storm and T. Thorsen. 1,830,724; Nov. 3.
Jig, Semiautomatic, drill and tapping. E. L. Oberly and H. Hansen. 1,791,532; Feb. 10.
Jig, Separation. P. Maradeo. 1,811,756; June 23.
Jig, Slate. S. J. Kerrigan. 1,822,298; Sept. 8.
Jigger and shaper for grain thrashing machines, Sack. G. L. Oliver. 1,834,472; Dec. 1.
Jogging machine. J. F. King. 1,823,744; Sept. 15.
Joiner, Adjustable. H. C. Cattell. 1,809,401; June 9.
Joiner guard. L. Garbarino. 1,829,827; Nov. 3.
Joining articles, Device for. L. F. Lamplough. 1,818,560; Aug. 11.
Joint: *See*—

Antifriction joint.	Lubricated expansion joint.
Ball and socket joint.	Pipe connection joint.
Ball joint.	Pipe joint.
Box joint.	Pipe or tube joint.
Cable joint.	Pivot joint.
Compensating joint.	Rail joint.
Corner joint.	Roof joint.
Disk pipe joint.	Roofing joint.
Expansion joint.	Safety joint.
Fan-pivot joint.	Separable joint.
Flexible joint.	Sleeve joint.
Fluid-tight joint.	Spigot and socket joint.
Fusion welded joint.	Sucker rod joint.
Gramophone-tone-arm joint.	Swinging joint.
High pressure joint.	Tool joint.
Locking joint.	Universal joint.
Locking joint for folding	Wedge coupled joint.

Joint. W. A. Flumerfelt. 1,806,286; May 19.
Joint. H. Junkers. 1,831,416; Nov. 10.
Joint. C. R. Kilburn. 1,823,274; Sept. 15.
Joint. H. C. Lord. 1,794,782; Mar. 3.
Joint and anchorage therefor, Expansion. G. F. Murphy. 1,805,102; May 12.
Joint and fastener construction for bracelets, Extensible. C. Kliem. 1,801,963; Apr. 21.
Joint and making the same. S. H. Caldwell. 1,823,028; Sept. 15.
Joint and making the same. W. G. Christopherson. 1,828,925; Oct. 27.
Joint and making the same, Paving. E. L. Benedict and R. L. Close. Re18,188; Sept. 15.
Joint and reenforcing the same, Expansion. C. E. Greene. 1,835,298; Dec. 8.
Joint bar, Rail. G. Langford. 1,814,835; July 14.
Joint bar, Railway. C. W. Breed and G. R. Burkhardt. 1,809,104; June 9.
Joint bars, Reforming old rail. W. P. Thomson. 1,829,247; Oct. 27.
Joint boot, Universal. R. H. Urschel. 1,808,798; June 9.
Joint chair and rail lock. S. Nagy. 1,805,590; May 19.
Joint connection. B. Smith. 1,814,415; July 14.
Joint connection of the rods in structures, girders, and the like. K. Bohac. 1,821,736; Sept. 1.
Joint connection, Rail. F. Kötteritzsch. 1,804,056; May 5.
Joint construction for head-free rails, Insulated. E. F. Schermerhorn. 1,800,475; Apr. 14.
Joint cutter, Inside casing or tool. R. A. Lincoln. 1,814,048; July 14.
Joint fitting. W. L. Gilmore. 1,792,489; Feb. 17.
Joint for artificial legs, Knee. J. H. Jepson. 1,834,540; Dec. 1.
Joint for artificial limbs, Knee. W. H. Wambsgans. 1,829,551; Oct. 27.
Joint for bridges and the like, Expansion. H. E. Ward. 1,799,574; Apr. 7.
Joint for concrete or like structures, Expansion. E. J. Green. 1,793,083; Feb. 17.
Joint for concrete slabs. B. F. Friberg. 1,815,373; July 21.
Joint for concrete slabs. B. F. Friberg. 1,836,160; Dec. 15.
Joint for electrical cables. L. Emanueli. 1,799,158; Apr. 7.
Joint for folding rules. E. J. Witchger. 1,829,975; Nov. 3.
Joint for high tension electric cables. L. L. Phillips. 1,834,864; Dec. 1.
Joint for iron and steel pipes and tubes. J. C. Siegle. 1,810,091; June 16.
Joint for laminated panels. G. K. Lewis. 1,828,285; Oct. 20.
Joint for pipe lines, Expansible. R. Stresau. 1,837,490; Dec. 22.
Joint for pipes. L. Billé. 1,817,870; Aug. 4.
Joint for pipes, Swivel. S. G. Plummer. 1,808,066; June 2.
Joint for plural conduits, Swivel. W. C. Uhri, jr. 1,788,500; Jan. 13.
Joint for rotary well drilling, Slips and tool. F. M. Allison. 1,819,056; Aug. 18.
Joint for socket pipes, Reenforced. G. Reichenbecher. 1,824,500; Sept. 22.
Joint for the springs of automobiles, Cushion. H. S. Powell. 1,800,355; Apr. 14.
Joint-forming machine, Lap-. A. B. Johnson. 1,795,953; Mar. 10.
Joint installing device, Expansion. A. C. Fischer. 1,804,215; May 5.
Joint lock. T. W. Bell. 1,837,648; Dec. 22.
Joint lock. A. F. Miller. 1,791,680; Feb. 10.
Joint making device. V. E. Johnson. 1,830,702; Nov. 3.
Joint material, Expansion. A. C. Fischer. 1,803,178; Apr. 28.
Joint means, Knuckle. R. W. Miller. 1,824,028; Sept. 22.
Joint or coupling, Expansion. B. W. Dennis. 1,803,665; May 5.
Joint or coupling for air ducts. A. McCall. 1,796,529; Mar. 17.
Joint or coupling, Universal. J. Knight. 1,802,899; Apr. 28.
Joint plate, Two-tie. R. Faries. 1,793,167; Feb. 17.
Joint recorder, Low rail. L. F. Carter. 1,827,190; Oct. 13.
Joint structure for pipes and the like. W. G. Wilson. 1,821,867; Sept. 1.
Joint system for tubular framework or similar metal constructions. A. van Hattum. 1,828,235; Oct. 20.
Joint with unsaturated filler, Expansion. A. C. Fischer. 1,838,036; Dec. 22.
Jointer. A. A. Dennis. 1,805,906; May 19.
Jointer and attachment therefor. L. A. Wallisch and B. U. Hill. 1,791,335; Feb. 3.
Jointer machines, Foldable guard for. I. P. De May. 1,788,663; Jan. 13.
Jointing element for pipe and other tubular members. W. C. Ferguson. 1,823,974; Sept. 22.
Joints and supports, Manufacture of elastic. L. Thiry. 1,803,491; May 5.
Joints, Apparatus for making and breaking. J. B. Kinser. 1,802,210; Apr. 21.
Joints for cables, Drying out and impregnating. B. Zeiss and A. Moll. 1,835,922; Dec. 8.
Joints in sewer or drain pipes, Making. E. W. Clarke. 1,787,971; Jan. 6.
Joints, Making expansion. G. J. Ulrich. 1,818,874; Aug. 11.
Joints, Making high pressure steam. W. F. Oberhuber. 1,816,293; July 28.
Joints, Making resilient. C. R. Short. 1,827,267; Oct. 13.
Joints, Making tight threaded. G. M. Eaton. 1,817,808; Aug. 4.
Joints, Method of and machine for manufacturing expansion. A. E. Brown. 1,826,985; Oct. 13.
Joist. A. J. and A. J. Bates, jr. 1,790,495; Jan. 27.
Joist and floor construction, Arch. H. F. Frease. 1,812,690; June 30.
Joist, Bar. T. A. Lucy. 1,791,278; Feb. 3.
Joist bridging. A. J. Bates, jr. 1,822,332; Sept. 8.
Joist, Expanded metal. A. J. Bates, jr. 1,822,331; Sept. 8.
Joist, Metal. E. W. Rebman. 1,839,178; Dec. 29.
Joists, Fabricating truss type. G. F. Pawling. 1,803,070; Apr. 28.
Journal box. R. J. Brittain, jr. 1,807,026; May 26.
Journal box. A. O. Buckius. 1,828,312–3; Oct. 20.
Journal box. V. J. Burry. 1,805,073; May 12.
Journal box. L. L. Cogan. 1,806,044; May 19.
Journal box and axle. H. W. Sanford and H. W. Jones. 1,834,035; Dec. 1.
Journal box and bearing. T. Bird. 1,824,702; Sept. 22.
Journal-box and car-frame construction. R. J. Brittain, jr. 1,797,043; Mar. 17.
Journal box construction. A. O. Buckius. 1,828,314; Oct. 20.
Journal-box dust guard. C. T. Ripley. 1,788,494; Jan. 13.
Journal box for railroad vehicles. C. H. Apps. 1,789,092; Jan. 13.
Journal box jack. T. Cardwell. 1,810,893; June 23.
Journal-box lubricator. W. C. Rockenstire. 1,789,266; Jan. 13.
Journal boxes, Method and apparatus for casting. L. W. Melcher. 1,817,388; Aug. 4.
Journal for textile rolls, Interchangeable. A. M. Guillet. 1,808,813; June 9.
Journal jack, Portable. J. D. Stewart, jr., and W. M. Cavin. 1,838,715; Dec. 29.
Journal lubricator. J. J. Hennessy. 1,794,457; Mar. 3.
Jug. W. S. Viele. Des. 84,964; Aug. 25.
Jug or similar article, Water. J. C. Kelly. Des. 84,482; June 23.
Juice extractor. A. L. Gross. 1,809,410; June 9.
Juice extractor, Orange-. A. C. Gilbert. 1,797,190; Mar. 17.
Juice from cane stalks, Apparatus for and method of extracting. W. H. Morgan, sr. Re18,022; Mar. 31.
Junction box. E. M. Glasgow. 1,829,896; Nov. 3.
Junction box. J. R. Townsend. 1,818,177; Aug. 11.
Jute fiber, Treatment of. J. Viallet. 1,817,279; Aug. 4.
K-stropanthidine and producing same, Acylated. W. Neumann. 1,825,812; Oct. 6.
Katopter. F. McFadden. 1,827,250; Oct. 13.

Kapok product and making the same. J. E. Dillard. 1,821,378; Sept. 1.
Keg, Pressed metal. E. J. Eriksson. 1,802,638; Apr. 28.
Kerr cell. A. Narath. 1,814,843; July 14.
Kerr cell and control means therefor. G. M. Wright. 1,834,117; Dec. 1.
Kerr cell, High frequency control of a. T. W. Case. 1,803,278; Apr. 28.
Keto acid esters, Producing. P. Halbig, F. Kaufler, and P. Schmitz. 1,798,937; Mar. 31.
Ketones of the benzophenone type, Making. G. Dougherty. 1,814,025; July 14.
Ketones, Production of. W. Reppe. 1,813,953; July 14.
Kettle alarm. G. Landman. 1,811,853; June 30.
Kettle, Vacuum. A. Hock. 1,814,927; July 14.
Key: *See*—
Coupling key. Separable key.
Firing key.
Key and actuator lock for writing adding machines. H. A. Foothorap. 1,811,227; June 23.
Key assembly, Interlocking. P. P. Horni. 1,810,399; June 16.
Key case. T. Kahn. 1,838,554; Dec. 29.
Key case. H. Wiener. 1,833,507; Nov. 24.
Key blank. R. Simon. 1,795,318; Mar. 10.
Keyboard, Auxiliary. S. T. y Bonilla. 1,795,468; Mar. 10.
Keyboard for calculating machines. J. Bricken. 1,801,484; Apr. 21.
Keyboard for musical instruments. E. Moor. 1,788,775; Jan. 13.
Key board for perforating, adding, and calculating machines. C. D. Williams. 1,815,997; July 28.
Keyboard device for illuminating luminous signals for motor cars, motor trucks and other similar vehicles. J. Chiappa and M. Bernasconi. 1,838,742; Dec. 29.
Keyboard for pianos, Auxiliary. A. Frascani. 1,812,524; June 30.
Keyboard for typographical machines. S. E. Sperry. 1,792,332; Feb. 10.
Keyboard. Manually-operated electric. H. Kinney. 1,799,425; Apr. 7.
Keyboard mechanism. C. H. Sampson. 1,819,975; Aug. 18.
Keyboard. Practice. R. A. Ostburg, jr. 1,815,579; July 21.
Keyboard transmitters, Coupon-feed-control mechanism for. J. W. Long. 1,800,190; Apr. 7.
Key bolt. F. B. Bell. 1,799,404; Apr. 7.
Key bolt. F. B. Bell. 1,803,090; Apr. 28.
Key bolt. K. F. W. Kempf. 1,796,793; Mar. 17.
Key bolt. J. P. Northey and R. V. Northey. 1,812,216; June 30.
Key busher, Musical instrument. T. J. Malcolm. 1,813,751; July 7.
Key bushing for rock-bit reamer pins. W. Brauer. 1,812,681; June 30.
Key can opener. H. Mock. 1,812,111; June 30.
Key carrier. L. L. Salfisberg. 1,797,999; Mar. 24.
Key case. C. Lorber. 1,800,650; Apr. 14.
Key case. G. E. Prentice. 1,808,434; June 2.
Key case. E. W. Smith. 1,789,373; Jan. 20.
Key control for liquid registers. O. Asper. 1,808,447; June 2.
Key cutting machine. M. Falk. 1,811,922; June 30.
Key die. A. L. Carter. 1,792,481; Feb. 17.
Key dipping machine. G. A. and G. V. Bardet. 1,818,524; Aug. 11.
Key-dipping machines, Feed slide for. G. A. and G. V. Bardet. 1,789,722; Jan. 20.
Key duplicating device. C. M. Wells and E. Cook. 1,820,518; Aug. 25.
Key escutcheon. M. Leventhal. 1,811,141; June 23.
Key for car couplers, Draft. E. H. Schmidt. 1,807,345; May 26.
Key for closure plugs, Locking. A. R. Soderquist. 1,810,795; June 16.
Key for coin delivery machines. E. J. Brandt. 1,822,560; Sept. 8.
Key for different locks. E. Hansen and I. Poderzag. 1,826,615; Oct. 6.
Key for locks, Safety. E. Schmid. 1,819,059; Aug. 18.
Key guard. T. W. Kupfer. 1,808,141; June 2.
Keyholder and record device, Combined. A. F. Dodson. 1,837,810; Dec. 22.
Key holding device. J. Komorous. 1,814,710; July 14.
Keyhole guard. A. L. Brewer. 1,811,742; June 23.
Keyhole guard. J. Q. Sherman. 1,794,481; Mar. 3.
Keyhole illuminating means. L. Martin. 1,810,775; June 16.
Keyhole lock, Nonpickable. F. T. Hughes. 1,810,400; June 16.
Key indicator, Tune sheet. A. C. Refsgaard. 1,838,284; Dec. 29.
Keying. C. W. Hansell. 1,808,220; June 2.
Keyless lock. E. M. Miller. 1,825,467; Sept. 29.
Keyless lock. W. J. Pataky. 1,832,651; Nov. 17.
Key lock, Interchangeable. E. M. Benham. 1,826,595; Oct. 6.
Key mechanism for calculating machines. F. Dame 1,791,265; Feb. 3.
Key mechanism, Total. T. O. Mehan. 1,835,170; Dec. 8.
Key-opening can. W. E. Burns. 1,788,702; Jan. 13.
Key plate, Swivel. C. Lorber. 1,797,664; Mar. 24.
Key pressure gauge. F. E. Walters. 1,825,491; Sept. 29.
Key reel. W. Best. 1,802,402; Apr. 28.
Key retainer. R. R. Getts. 1,800,064; Apr. 7.
Key retainer. A. H. Lake. 1,801,092; Apr. 14.
Key retainer, Draft. D. S. Barrows. 1,816,356; July 28.
Key retainer, Draft. D. S. Barrows. 1,827,132; Oct. 13.
Key ring. L. S. Faircloth. 1,796,751; Mar. 17.
Key ring holding device. S. C. Jacobia. 1,831,666; Nov. 10.
Key ring hook. F. F. Palmore. 1,834,863; Dec. 1.
Key ring, Lockable. M. C. Gardine. 1,817,246; Aug. 4.
Key ring retainer. E. P. Halley. 1,829,136; Oct. 27.
Key set tabulating mechanism. R. W. Elliott. 1,836,456; Dec. 15.
Key slot. G. T. Johnson. 1,838,261; Dec. 29.
Key spatule for musical instruments. R. Kerr. 1,836,256; Dec. 15.
Key tag. H. N. Ridgway. 1,794,498; Mar. 3.
Keys in tubular shaft, Affixing. R. Stresau. 1,792,196; Feb. 10.
Keys, Producing winding. M. H. Kaefer. 1,823,547; Sept. 15.
Keys to tearing strip cans, Spotwelding. C. Stollberg. 1,823,068; Sept. 15.
Kickback for bowling alleys. G. O. Wardrop. 1,815,686; July 21.
Kiln and cooler, Rotary. P. T. Lindhard. 1,813,061; July 7.
Kiln and cooler, Rotary. L. S. Petersen. 1,830,959; Nov. 10.
Kiln and method of burning, Brick. A. J. Therrien. 1,790,882; Feb. 3.
Kiln and process of heating ceramic articles, Tunnel. I. Harter, A. M. Kohler, and F. H. Norton. 1,799,296; Apr. 7.
Kiln and the like. H. Kronstad. 1,793,408; Feb. 17.
Kiln and the like, Rotary. J. S. Fasting. 1,793,471; Feb. 24.
Kiln brace. C. A. Nelson. 1,831,316; Nov. 10.
Kiln, Cement. J. C. Buckbee. 1,800,247; Apr. 14.
Kiln construction, Dry-. A. Armstrong. 1,793,892; Feb. 24.
Kiln cooler, Rotary-. F. Luther. 1,797,831; Mar. 24.
Kiln, Dry. H. L. Henderson. 1,829,139; Oct. 27.
Kiln, Dry. J. A. Rankin. 1,815,798; July 21.
Kiln, Drying. H. F. Hagen. 1,833,397; Nov. 24.
Kiln, Electric. J. L. Merrill. 1,829,290; Oct. 27.
Kiln for burning cement, ore, and similar materials, Rotary. L. D. Parker. 1,791,282; Feb. 3.
Kiln for burning of bricks and similar articles, Brick. A. Habla. 1,809,336; June 9.
Kiln for decorating ceramic ware and other purposes. H. M. Robertson. 1,827,543; Oct. 13.
Kiln for manufacturing lime or the like. G. Martin. 1,804,362; May 5.
Kiln for the production of cement. H. Engel. 1,827,144; Oct. 13.
Kiln, Gas fired. P. J. Lengsholz. 1,810,616; June 16.
Kiln, Gravity-feed tunnel. T. G. McDougal. 1,788,885; Jan. 13.
Kiln heating. P. d'H. Dressler. 1,828,492; Oct. 20.
Kiln, Lime. A. Ackerman. 1,812,672; June 30.
Kiln, Lime. R. T. Haslam. 1,832,552; Nov. 17.
Kiln, Lime. W. J. Kuntz. 1,808,851; June 9.
Kiln, Lime. E. T. Reed. 1,805,151; May 12.
Kiln, Mechanical. G. Balz. 1,787,504; Jan. 6.
Kiln, Pan rotary. L. B. McDaniel. 1,807,069; May 26.
Kiln, Rotary. J. Andrews. 1,828,727; Oct. 27.
Kiln, Rotary. L. S. Petersen. 1,796,664; Mar. 17.
Kiln, Rotary. E. Roser. 1,798,500; Mar. 31.
Kiln, Tunnel. A. M. Duckham. 1,814,906; July 14.
Kiln, Tunnel. W. L. Hanley, jr. 1,838,672; Dec. 29.
Kiln, Tunnel. T. Talbot. 1,804,657; May 12.
Kilns and furnaces, Operation of lime and dolomite. R. Clément and W. Voss. 1,836,526; Dec. 15.
Kilns, Firing. H. G. Lykken. 1,803,806; May 5.
Kilns, Floor for. V. C. Patton. 1,793,129; Feb. 17.
Kindling device. F. Engert. 1,792,899; Feb. 17.
Kinetoscopy, Method of and apparatus for. F. R. Moulton. 1,801,969; Apr. 21.
King bolt. T. R. Smith. 1,820,840; Aug. 25.
Kit, Cantilever. H. P. Shriver. 1,800,186; Apr. 7.
Kit case. M. Goldsmith. 1,792,582; Feb. 17.
Kit, Electric heater. M. A. Rollman. 1,828,257; Oct. 20.
Kit, Folding shoe blacking. R. Winship. 1,828,854; Oct. 27.
Kit, Golf ball paint. H. S. Boylan and G. F. Bretz. 1,805,801; May 19.
Kit, Lunch. H. L. Hill. 1,831,663; Nov. 10.
Kit, Lunch. A. E. Remington. 1,798,497; Mar. 31.
Kit, Lure. J. D. Bigelow. 1,827,929; Oct. 20.
Kit, Measuring-gauge. E. J. Witchger. 1,797,279; Mar. 24.
Kit, Sewing. J. F. Klatt. 1,794,776; Mar. 3.
Kit, Shaving. F. Bosanac. 1,807,724; June 2.
Kit, Shaving. G. Flintermann. 1,810,652; June 16.
Kit, Shaving. J. D. Langdon. 1,790,311; Jan. 27.
Kit, Shaving. H. R. Priest. 1,833,333; Nov. 24.
Kit, Shaving. H. R. Priest. 1,833,436; Nov. 24.
Kit, Socket-wrench. N. F. McNaught and E. H. Peterson. 1,788,535; Jan. 13.
Kit, Sterilizer. R. A. Barnes. Des. 85,276; Oct. 6.
Kit, Toilet. L. E. Goeller. 1,796,519; Mar. 17.
Kit, Toilet. L. E. Goeller. 1,834,023; Dec. 1.
Kitchen appliance. O. R. Deckert. 1,791,161; Feb. 3.

Kitchen appliance machine. E. C. Brewer. 1,823,314; Sept. 15.
Kitchen arrangement. C. G. Hall. 1,820,564; Aug. 25.
Kitchen implement. S. E. Agnew. 1,790,399; Jan. 27.
Kitchen implement. E. Middleton. 1,791,826; Feb. 10.
Kitchen ventilator, Automatic. P. Andres. 1,828,016; Oct. 20.
Kitchenette, Portable. E. L. McMichael. 1,801,874; Apr. 21.
Kite. J. and R. Kramer. 1,814,811; July 14.
Kite. F. W. Kreft. Des. 83,551; Mar. 3.
Kite. O. Nye. Des. 84,536; June 30.
Kite. O. E. Bradford. 1,824,324; Sept. 22.
Kite, Aeroplane. C. F. Dysert. 1,821,465; Sept. 1.
Kite string reel. H. Root. 1,826,481; Oct. 6.
Kneeling bench. E. T. Kelly. 1,798,472; Mar. 31.
Knickeralls. L. C. Robertson. 1,804,516; May 12.
Knickers. L. Lauer. 1,835,502; Dec. 8.
Knife. R. Beaver. 1,813,723; July 7.
Knife. J. G. Coleman. 1,816,422; July 28.
Knife. E. W. Ericsson. 1,803,176; Apr. 28.
Knife. O. W. Hamel. 1,814,596; July 14.
Knife. C. W. Lambert. 1,824,022; Sept. 22.
Knife. G. E. Leach. Des. 85,481; Nov. 3.
Knife. B. Rocklin. 1,819,623; Aug. 18.
Knife. H. W. Tittle. 1,834,555; Dec. 1.
Knife. L. Tyreman. 1,795,527; Mar. 10.
Knife. W. S. Warren. Des. 84,665; July 14.
Knife. C. A. Xardell. Des. 85,503; Nov. 3.
Knife adapted for multiple uses and comprising a monkey wrench. J. A. Soustre. 1,811,982; June 30.
Knife blade. W. Grant. 1,793,171; Feb. 17.
Knife, Cable. M. F. Toles. 1,813,368; July 7.
Knife-coating machine. L. B. Case. 1,799,002; Mar. 31.
Knife, Draw-and-push. S. A. Hall. 1,799,045; Mar. 31.
Knife, Fly open. R. E. Brown. 1,810,999; June 23.
Knife for cutting shoes. O. Michaud. 1,806,484; May 19.
Knife for hullers. O. G. Simmons. 1,811,282; June 23.
Knife for lawn mowers, Stationary. H. T. Coldwell. 1,809,810; June 9.
Knife for lifting inside cord layers of casings. W. Mikitta. 1,790,014; Jan. 27.
Knife, Fruit cutting. K. Ichijyo. 1,821,971; Sept. 8.
Knife, Fur. W. Boos. 1,829,499; Oct. 27.
Knife fur-cutting machine, Multiple. K. Shopis and D. Mamarcheff. 1,825,132; Sept. 29.
Knife, Hay. J. W. Jensen. 1,826,250; Oct. 6.
Knife holding attachment for grinders. W. R. Smout. 1,836,292; Dec. 15.
Knife or similar article, Table. E. Saarinen. Des. 84,654–5; July 14.
Knife, Peeling. J. T. Beechlyn. 1,794,823; Mar. 3.
Knife, Photographer's dark-room safety. M. J. Leclerc. 1,796,847; Mar. 17.
Knife, Pocket. R. E. Brown. Des. 83,791; Mar. 31.
Knife, Pocket or folding. O. Altenbach. 1,787,424; Jan. 6.
Knife, Surgical. A. A. S. Stuart. 1,804,959; May 12.
Knife, Surgical. R. E. Thompson. 1,813,782; July 7.
Knife switch. H. J. Hammerley. 1,799,625; Apr. 7.
Knife, Table. S. L. Hansen. Des. 83,442; Feb. 24.
Knife, Table. G. P. Ittig. Des. 84,638; July 14.
Knife tang. E. Echikson. 1,806,244; May 19.
Knife tripper, Filling-feeler-. T. A. Adams. 1,800,275; Apr. 14.
Knife, Vegetable. J. Northcutt. 1,793,003; Feb. 17.
Knife with adjustable blades, Multiple blade. L. J. Purcell. 1,814,528; July 14.
Knives for typographical line-casting machines, Slug-trimming. C. Muehleisen. 1,811,145; June 23.
Knives of slicing and other machines, Device for sharpening the rotary circular. C. F. M. Van Berkel. 1,821,280; Sept. 1.
Knives, Peeler attachment for. E. Rohde. 1,830,133; Nov. 3.
Knit article and knitting the same. A. E. Page. 1,789,494; Jan. 20.
Knitted articles, Needle for repairing. M. Vitoux. 1,811,524; June 23.
Knitted fabric. J. C. Decker and H. Aull. 1,802,337; Apr. 28.
Knitted fabric. M. Gross. Des. 84,415; June 16.
Knitted fabric. M. Gross. Des. 85,523; Nov. 10.
Knitted fabric. H. Hemmerich. Des. 85,453–5; Oct. 27.
Knitted fabric. H. Hemmerich. Des. 85,506; Nov. 3.
Knitted fabric. V. Lombardi. 1,817,199; Aug. 4.
Knitted fabric. V. Lombardi. 1,831,963–4; Nov. 17.
Knitted fabric. W. S. Parker. Des. 83,344–5; Feb. 17.
Knitted fabric. W. S. Parker. Des. 84,433–4; June 16.
Knitted fabric. W. J. Schubert. 1,810,580; June 16.
Knitted fabric. J. H. Wilson. 1,816,709; July 28.
Knitted fabric, Plaited. H. E. Houseman. 1,816,221; July 28.
Knitting and in knitting machines. W. Bock and H. W. Matthews. 1,828,220; Oct. 20.
Knitting and other machines, Thread-twisting device for. M. Schoenfeld. 1,795,683; Mar. 10.
Knitting fabric and making same. W. L. Houseman. 1,820,975; Sept. 1.
Knitting machine. T. Ashby and W. H. Boaler. 1,796,642; Mar. 17.
Knitting machine. P. A. Bentley, C. F. Manger, and C. H. Wainwright. 1,838,651; Dec. 29.
Knitting machine. N. A. Berner. 1,837,101; Dec. 15.
Knitting machine. W. F. Bolston. 1,802,395; Apr. 28.
Knitting machine. S. D. Cohen. 1,824,260; Sept. 22.
Knitting machine. E. L. Floyd. 1,828,999; Oct. 27.
Knitting machine. H. Göpfert. 1,822,024; Sept. 8.
Knitting machine. A. Hofmann. 1,817,822; Aug. 4.
Knitting machine. W. A. Ingalls. 1,829,094; Oct. 27.
Knitting machine. T. H. Jones. 1,808,232; June 2.
Knitting machine. P. P. La Montagne. 1,791,467; Feb. 3.
Knitting machine. F. Lässig. 1,825,746; Oct. 6.
Knitting machine. V. Lombardi. 1,792,647; Feb. 17.
Knitting machine. V. Lombardi. 1,797,006; Mar. 17.
Knitting machine. V. Lombardi. 1,803,336; May 5.
Knitting machine. H. McAdams. 1,801,167; Apr. 14.
Knitting machine. H. McAdams. 1,805,339; May 12.
Knitting machine. M. C. Miller. 1,790,940; Feb. 3.
Knitting machine. M. C. Miller. 1,797,435–6; Mar. 24.
Knitting machine. M. C. Miller. 1,805,000; May 12.
Knitting machine. M. C. Miller. 1,809,057; June 9.
Knitting machine. M. C. Miller. 1,830,069; Nov. 3.
Knitting machine. J. A. Mills. 1,794,415; Mar. 3.
Knitting machine. C. E. Mincemoyer. 1,805,440; May 12.
Knitting machine. N. J. Perry. Re18,044; Apr. 14.
Knitting machine. W. F. Rolston. 1,800,265; Apr. 14.
Knitting machine. W. L. Smith, jr. 1,825,370; Sept. 29.
Knitting machine. A. E. Stewart. 1,835,994; Dec. 8.
Knitting machine. R. I. Weidner. 1,790,632; Jan. 27.
Knitting machine. E. Wildt and H. H. Holmes. 1,811,700; June 23.
Knitting machine. B. Willingham. 1,816,416; July 28.
Knitting machine. M. Zimic. 1,824,320; Sept. 22.
Knitting machine and producing split fabric. F. E. Jones. 1,796,202; Mar. 10.
Knitting machine attachment. C. W. Minton and T. H. Price. 1,831,129; Nov. 10.
Knitting machine, Circular-. F. Attenborough. 1,798,514; Mar. 31.
Knitting machine, Circular. F. Attenborough. 1,811,289; June 23.
Knitting machine, Circular. W. T. Barratt. 1,803,833; May 5.
Knitting machine, Circular. T. S. Grieve. 1,806,996; May 26.
Knitting machine, Circular-. J. Haas and R. Evans. 1,798,601; Mar. 31.
Knitting machine, Circular. C. Hilscher. 1,831,773; Nov. 10.
Knitting machine, Circular-. T. H. Jones. 1,789,002; Jan. 13.
Knitting machine, Circular. T. H. Jones. 1,817,565–6; Aug. 4.
Knitting machine, Circular. E. T. May and A. Sherriff. 1,808,242; June 2.
Knitting machine, Circular. P. E. B. Sander. 1,820,989; Sept. 1.
Knitting machine, Circular. F. H. Schabacker. 1,814,265; July 14.
Knitting machine, Circular. O. Seifert. 1,828,878; Oct. 27.
Knitting machine, Circular. E. Spiers. 1,827,677; Oct. 13.
Knitting machine, Circular. H. Swinglehurst. 1,809,762; June 9.
Knitting machine, Circular. F. Wagner. 1,829,691; Oct. 27.
Knitting machine, Circular rib. J. H. G. Bales. 1,817,285; Aug. 4.
Knitting machine, Flat-. W. Heinitz. 1,801,156; Apr. 14.
Knitting machine for producing patterns in plated work, Circular-. J. and R. H. Lawson. 1,792,231; Feb. 10.
Knitting machine, Full fashioned. K. Howie. 1,813,163; July 7.
Knitting machine, Hosiery. C. Hilscher. 1,837,867; Dec. 22.
Knitting machine, Straight-bar. W. Corah. 1,793,587; Feb. 24.
Knitting machine. Tapered-splice-. H. McAdams. 1,790,588; Jan. 27.
Knitting machine, Terry loop fabric. H. McAdams. 1,814,944; July 14.
Knitting machine with auxiliary device, Flat. O. Rottloff. 1,833,536; Nov. 24.
Knitting machines. V. Lombardi. 1,820,982; Sept. 1.
Knitting machines. Attachment for. C. F. Johnson. 1,812,700; June 30.
Knitting machines, Attachment for spring-beard-needle. W. and F. Tait, jr., and C. A. Scott. 1,789,058; Jan. 13.
Knitting machines, Auxiliary needle helper for jacquard. S. Worms, J. Kellner and F. Hug. 1,788,502; Jan. 13.
Knitting machines, Cam-shaft control for straight-bar. P. Lieberknecht. 1,799,429; Apr. 7.
Knitting machines, Control for. H. Weinrub. Re18,074; May 19.
Knitting machines, Device for reproducing designs upon. Y. Ruinnet. 1,795,235; Mar. 3.
Knitting machines, Fabric take off device for full fashioned. G. Gastrich. 1,826,872; Oct. 13.
Knitting machines, Fabric take-off device for full fashioned. E. Richter. 1,824,501; Sept. 22.
Knitting machines, Fabric take-up for. F. H. Fulmer, jr. 1,838,055; Dec. 22.
Knitting machines, Hydraulic friction device for. J. Gift. 1,813,351; July 7.
Knitting machines, Loop regulating mechanism for. G. Gastrich. 1,837,214; Dec. 22.
Knitting machines, Loop-regulating mechanism for full-fashioned. G. Bitzer. 1,793,669; Feb. 24.

Knitting machines, Needle arresting means for. L. N. D. Williams. 1,817,116; Aug. 4.
Knitting machines, Power drive for flat. J. G. Müller. 1,805,315; May 12.
Knitting machines, Reenforcing mechanism for rotary. A. Gagné. 1,788,514; Jan. 13.
Knitting machines, Reversible plating yarn feed for circular. K. Howie. 1,837,712; Dec. 22.
Knitting machines, Stop mechanism for. N. J. Perry. 1,803,558; May 5.
Knitting machines, Stop mechanism for. S. R. Shelmire. 1,831,200; Nov. 10.
Knitting machines, Transfer mechanism for circular. A. E. Page. 1,807,008; May 26.
Knitting machines, Transfer ring for circular. A. E. Page. 1,807,431; May 26.
Knitting machines, Weight-releasing device for the draw-off mechanism of full-fashioned-. E. C. Sanders. 1,795,682; Mar. 10.
Knitting machines, Welt closing mechanism for full fashioned. J. Haines, jr. 1,826,661; Oct. 6.
Knitting machines, Yarn carrier control mechanism for flat. A. Gee. 1,809,969; June 16.
Knitting machines, Yarn-carrier guide and transfer mechanism for straight-. W. F. Rolston. 1,800,320; Apr. 14.
Knitting machines, Yarn changing means for circular. A. W. Kent. 1,827,660; Oct. 13.
Knitting machines, Yarn changing mechanism for. M. C. Miller. 1,837,470; Dec. 22.
Knitting machines, Yarn controlling mechanism for. G. P. Bosworth. 1,816,630; July 28.
Knitting mechanism. W. L. Houseman. 1,805,625; May 19.
Knitting process. W. L. Houseman. 1,838,994; Dec. 29.
Knob. W. D. Ferris. 1,798,409; Mar. 31.
Knob construction. A. M. Holstein. 1,832,554; Nov. 17.
Knob for condenser, Control. T. J. Scofield. 1,815,165; July 21.
Knob for framing devices, Adjusting. K. Hoffmann. 1,804,501; May 12.
Knob lock, Combination. H. L. Munson. 1,813,813; July 7.
Knob, Molded. D. R. Parks. 1,795,280; Mar. 3.
Knob or handle lock. I. S. Keeler. 1,804,781; May 12.
Knockdown box. R. T. Creason. 1,794,153; Feb. 24.
Knockdown box. W. A. Finnegan. 1,803,385; May 5.
Knockdown box. J. R. Van Wormer. 1,835,729; Dec. 8.
Knockdown mold. E. Anderson. 1,838,518; Dec. 29.
Knocker. I. G. Davis. Des. 83,093; Jan. 20.
Knock-off for electric warp stop motion. A. A. Gordon. 1,826,310; Oct. 6.
Knock-off mechanism for slubbers and roving frames. J. C. Nunnally. 1,811,404; June 23.
Knock-out switch. R. D. Conklin. 1,835,014; Dec. 8.
Knot removing and repairing machine. G. Maurer. 1,838,426; Dec. 29.
Knotter. E. E. Boyce. 1,813,725; July 7.
Knotter. H. V. Lewis. 1,829,047; Oct. 27.
Knotting together strands, Mechanism for. F. Klein. 1,815,849; July 21.
Knots, Tying weaver's. T. Brownlee. 1,815,546; July 21.
Label attaching device. C. L. Larson. 1,815,154; July 21.
Label, Container. C. E. Ridgway. 1,792,511; Feb. 17.
Label, Designation. L. S. Neeb. 1,790,069; Jan. 27.
Label or similar article. E. W. Gilbert. Des. 85,821; Dec. 22.
Label pasting machine. M. Voli. 1,822,467; Sept. 8.
Label retaining device. J. Borovicka. 1,817,229; Aug. 4.
Label-securing device, Metal-. J. P. P. Burtey. 1,795,007; Mar. 3.
Label wiping device. C. H. Oslund and J. E. Johnson. 1,806,911; May 26.
Labeling. L. W. Dixon. 1,805,308; May 12.
Labeling and banding. O. Muller. 1,821,564; Sept. 1.
Labeling machine. C. H. Oslund. 1,830,289; Nov. 3.
Labeling machine. J. R. Tindal and F. H. Mayoh. 1,800,485; Apr. 14.
Labeling machine, Wiping rolls for. C. H. Oslund. 1,810,619; June 16.
Labeling machinery. W. E. Molins and J. W. Chalmers. 1,830,882; Nov. 10.
Labeling means. M. F. Baldwin. 1,792,477; Feb. 17.
Labels, Affixing. J. E. Snyder. 1,815,365; July 21.
Labels, Wiping device for. C. H. Oslund. 1,790,594; Jan. 27.
Lace. W. R. Adair. Des. 84,175; May 19.
Lace. B. A. Ball. Des. 84,177; May 19.
Lace. H. Bekkens. Des. 84,617; July 14.
Lace. M. H. Daudy. Des. 85,465; Nov. 3.
Lace. F. Deguines. Des. 83,151; Jan. 27.
Lace. G. Delahaye. Des. 83,393; Feb. 17.
Lace. A. Delahaye. Des. 84,884–5; Aug. 18.
Lace. B. Edson. Des. 84,185–7; May 19.
Lace. B. Edson. Des. 84,407; June 16.
Lace. H. M. Fils. Des. 84,710; July 21.
Lace. H. W. Hucknall. Des. 83,969–73; Apr. 21.
Lace. H. W. Hucknall. Des. 84,079–81; May 5.
Lace. H. W. Hucknall. Des. 84,193–4; May 19.
Lace. H. W. Hucknall. Des. 84,242–6; May 26.
Lace. H. W. Hucknall. Des. 84,344–7; June 9.
Lace. H. W. Hucknall. Des. 84,478; June 23.
Lace. H. W. Hucknall. Des. 84,745; July 28.
Lace. G. M. King. Des. 85,290; Oct. 6
Lace. G. M. King. Des. 85,654; Dec. 1.
Lace. J. Moosherr. Des. 83,693; Mar. 17.
Lace. J. Moosherr. Des. 85,257–8; Sept. 20.
Lace. J. Moosherr. Des. 85,619; Nov. 24.
Lace. S. H. Page. Des. 84,202; May 19.
Lace. G. Wasselin. Des. 83,782; Mar. 24.
Lace. G. Wasselin. Des. 85,269; Sept. 29.
Lace article, Simulated. A. E. Van Melle. 1,836,052; Dec. 15.
Lace edging. H. W. Hucknall. Des. 84,783–4; Aug. 4.
Lace edging, Embroidered. F. Fehr. Des. 85,370–8; Oct. 20.
Lace edging, Embroidered. H. Schwarber. Des. 83,013–6; Jan. 6.
Lace edging, Embroidered. H. Schwarber. Des. 84,109–11; May 5.
Lace, Embroidered. E. W. Freudenberg. Des. 84,236; May 26.
Lace for footwear. C. Marx. 1,823,057; Sept. 15.
Lace machine. L. H. Debaene. 1,826,996; Oct. 13.
Lace making. J. F. X. Harold. 1,835,866; Dec. 8.
Lace medallion. E. Lorenz. Des. 82,206; Feb. 3.
Lace trimming or the like. M. Sadinoff. Des. 84,221–2; May 19.
Lacing cutter. B. Schmitt. 1,788,333; Jan. 6.
Lacing machine, Skein. R. P. Drake. 1,821,545; Sept. 1.
Laces or the like, Tip for. O. I. and B. B. Hoppe. 1,792,640; Feb. 17.
Laces, Process and apparatus for tipping. G. H. Armitage. 1,807,886; June 2.
Laces, Tipped. J. Schwarz. 1,814,859; July 14.
Lacquer. I. W. Humphrey. 1,817,561; Aug. 4.
Lacquer and producing same, Nonexplosive fire-resisting. F. S. Vivas. 1,800,120; Apr. 7.
Lacquer and varnish thinner. J. D. Davidson. 1,834,050; Dec. 1.
Lacquer base, Pigmented. H. J. Hemingway and W. A. Weidlich. 1,798,840; Mar. 31.
Lacquer, Cellulose ester. H. Finkelstein. 1,812,145; June 30.
Lacquer, Cellulose nitrate. H. Finkelstein. 1,801,340; Apr. 21.
Lacquer composition. J. G. Davidson. 1,838,368; Dec. 29.
Lacquer, Finishing applied. J. Snukiskis. 1,813,823; July 7.
Lacquer for application by brushing. H. Finkelstein. 1,801,341; Apr. 21.
Lacquer for application by brushing. H. Finkelstein. 1,818,547; Aug. 11.
Lacquer thinner, Nitrocellulose. G. Bloomfield, J. Martin, and I. J. Krchma. 1,835,927; Dec. 8.
Lacquer, Wood oil. L. Rosenthal and W. Kropp. 1,836,620; Dec. 15.
Lacquering composition and employing same. C. L. Gabriel. 1,813,735; July 7.
Lacquers, Noninflammable nitrocellulose. M. Thau. 1,793,726; Feb. 24.
Lactones having 14 to 18 ring members, Preparation of the monocyclic. L. Ruzicka. 1,799,536; Apr. 7.
Lactones, Production of. R. Pasternack and G. O. Cragwall. 1,830,618; Nov. 3.
Lactose, Preparing. P. F. Sharp. 1,810,682; June 16.
Ladder. C. B. Burgess. 1,829,980; Nov. 3.
Ladder. H. H. Busby. 1,806,145; May 19.
Ladder. E. W. Carlson. 1,815,236; July 21.
Ladder. W. H. Kimberlin. 1,811,722; June 23.
Ladder. C. G. Kingsbury. 1,815,316; July 21.
Ladder. J. M. Parry. 1,814,960; July 14.
Ladder. H. Rosenberg. 1,806,502; May 19.
Ladder. H. A. Thompson. 1,800,117; Apr. 7.
Ladder and cage construction, Detachable. L. A. Rawson. 1,820,289; Aug. 25.
Ladder and carrier therefor. W. Barnett. 1,829,468; Oct. 27.
Ladder and ironing board, Combination. W. Campbell. 1,826,504; Oct. 6.
Ladder, Car. J. J. Tatum. 1,820,848; Aug. 25.
Ladder, Collapsible concealing. R. B. Marschke. 1,805,829; May 19.
Ladder, Convertible. P. H. Allen. 1,837,187; Dec. 22.
Ladder, Convertible. C. E. White. 1,822,947; Sept. 15.
Ladders, Equalizer for. T. F. Morgan. 1,832,648; Nov. 17.
Ladder, Extension. H. E. Skeels. 1,806,185; May 19.
Ladder, Fire escape. J. Reese. 1,813,865; July 7.
Ladder, Fire escape. J. L. Small. 1,816,702; July 28.
Ladder rung, Replaceable. S. M. Peters and A. B. Rochester. 1,823,509; Sept. 15.
Ladder, skid, and bridge, Combination. E. A. Sprague. 1,791,330; Feb. 3.
Ladder structure. F. N. Clark. 1,799,089; Mar. 31.
Ladder, Universal. J. C. Ruse. 1,812,119; June 30.
Ladder web for Venetian blinds. G. F. and R. French. 1,815,196; July 21.
Ladders, Safety attachment for. A. H. Hansen. 1,800,792; Apr. 14.
Ladders, Step attachment for. C. F. Miller. 1,820,315; Aug. 25.
Ladders, Step construction for. A. J. Tingleaf. 1,838,796; Dec. 29.
Ladle. A. G. A. Chamberlain. 1,836,014; Dec. 15.
Ladle actuating mechanism. J. B. Ladd. 1,804,471; May 12.
Ladle, Casting. F. G. Carrington. 1,813,381; July 7.

Ladle stopper construction. A. J. Jackman. 1,824,019; Sept. 22.
Lakes, Making. T. A. Martone. 1,820,540; Aug. 25.
Lambrequin. M. R. Oberting. Des. 84,537; June 30.
Lambskins and sheepskins, Lustering and improving the quality of. M. Laskin. 1,788,026; Jan. 6.
Laminate lock. J. G. Sabo. 1,837,071; Dec. 15.
Laminated construction. P. S. Eckland. 1,795,716; Mar. 10.
Laminated glass. F. Fraser. 1,815,884; July 21.
Laminated glass. W. C. McDaniel. 1,818,235; Aug. 11.
Laminated glass. G. B. Watkins. 1,821,598; Sept. 1.
Laminated spring. J. S. Fries. 1,813,617; July 7.
Laminated spring. A. E. Frost. 1,814,682; July 14.
Laminated spring. S. Gross. 1,814,214; July 14.
Lamination for dynamo-electric machines. R. H. Jordan. 1,823,979; Sept. 22.
Lamp. S. F. Arbuckle. 1,791,298; Feb. 3.
Lamp. F. L. Bamford. 1,820,112; Aug. 25.
Lamp. F. L. Bamford and A. L. Martinek. 1,832,348; Nov. 17.
Lamp. C. M. Becker. Des. 84,315; June 9.
Lamp. A. Bornstein. Des. 84,921; Aug. 25.
Lamp. C. T. Brady. 1,832,475; Nov. 17.
Lamp. W. L. Burgess. 1,813,905; July 14.
Lamp. S. E. Burnfield. Des. 85,365; Oct. 20.
Lamp. B. E. Carrm. Des. 85,281; Oct. 6.
Lamp. L. Cecio and S. Buonamano. Des. 84,871; Aug. 18.
Lamp. P. Cricchio. Des. 84,681; July 21.
Lamp. R. A. Currie. 1,809,831; June 16.
Lamp. R. D. Evans. 1,793,227; Feb. 17.
Lamp. J. C. Filipiak. Des. 83,959; Apr. 21.
Lamp. G. E. Glatthar. Des. 84,737–8; July 28.
Lamp. S. Goldfinger. 1,824,047; Sept. 22.
Lamp. N. T. Gordon. 1,812,745; June 30.
Lamp. F. A. Gritt. Des. 84,740; July 28.
Lamp. G. I. Jordan. Des. 84,350; June 9.
Lamp. M. Jyumi. 1,788,058; Jan. 6.
Lamp. O. M. King. 1,791,674; Feb. 10.
Lamp. R. Kurokawa. Des. 838,65; Apr. 7.
Lamp. P. N. Landine. 1,831,959; Nov. 17.
Lamp. E. McClintock. 1,820,027; Aug. 25.
Lamp. R. Moore. Des. 85,537; Nov. 10.
Lamp. E. B. Neil. 1,802,524; Apr. 28.
Lamp. J. Redwine. Des. 83,643; Mar. 10.
Lamp. A. Rimberg. Des. 84,301; June 2.
Lamp. A. Sabath. Des. 84,165–7; May 12.
Lamp. F. K. Seydler. Des. 84,446; June 16.
Lamp. W. H. Shlesinger. Des. 84,060; Apr. 28.
Lamp. W. H. Shlesinger. Des. 84,206; May 19.
Lamp. W. H. Shlesinger. Des. 84,447; June 16.
Lamp. W. H. Shlesinger. Des. 84,713; July 21.
Lamp. W. H. Shlesinger. Des. 84,854; Aug. 11.
Lamp. A. von Frankenberg. Des. 85,896; Dec. 29.
Lamp. T. K. Webster, jr. Des. 85,069; Sept. 8.
Lamp. W. R. Williamson. Des. 85,627; Nov. 24.
Lamp. W. H. Wood. 1,793,661; Feb. 24.
Lamp. W. E. Wuelker. 1,821,955; Sept. 8.
Lamp, Acetylene. J. H. Horsley. 1,790,709; Feb. 3.
Lamp and apparatus, Mercury vapor. L. J. Buttolph. 1,809,265; June 9.
Lamp and clock or similar article, Combined. J. Kohut. Des. 84,195; May 19.
Lamp and clockcase, Combined. F. Lo Castro. Des. 83,981; Apr. 21.
Lamp and heater. J. S. Scharf. 1,817,040; Aug. 4.
Lamp and high tension insect destroyer, Electric. W. F. Folmer and H. L. Chapin. Des. 85,817; Dec. 22.
Lamp and killing device, Combined insect catching. E. Oppenländer. 1,816,396; July 28.
Lamp and light screen, Combined table. G. Winchester. Des. 83,418; Feb. 17.
Lamp and light screen, Combined table. G. Winchester. Des. 83,885; Apr. 7.
Lamp and mounting therefor, Incandescent. J. D. Ceader and C. Severin. 1,788,231; Jan. 6.
Lamp and radiocabinet, Combined. E. Ufert. Des. 85,215; Sept. 22.
Lamp and reflector, Combination. V. L. Oestnaes. 1,814,328; July 14.
Lamps and similar articles, Method and apparatus for making incandescent. R. G. Phelps. 1,788,957; Jan. 13.
Lamp and similar device, Incandescent. R. G. Phelps. 1,795,181; Mar. 3.
Lamp and smoking set, Combination floor. R. Pendleton. Des. 83,172; Jan. 27.
Lamp and starting means therefor, Vapor arc. L. J. Buttolph. 1,831,998; Nov. 17.
Lamp and stop light, Combined tail. H. C. White. 1,787,843; Jan. 6.
Lamp and support therefor, Tubular incandescent. F. Jacopozzi. 1,792,374; Feb. 10.
Lamp and supporting base, Combined. A. von Frankenberg. Des. 85,310; Oct. 6.
Lamp and system, Ultra-violet. P. H. Craig. 1,798,658; Mar. 31.
Lamp and ventilator, Combination. G. S. Birch. 1,824,388; Sept. 22.
Lamp apparatus, Therapeutic. J. W. D. Chesney and H. P. MacLagen. 1,813,383; July 7.
Lamp, Arc. H. J. Brunk. 1,812,469; June 30.
Lamp, Arc. H. Kocourek. 1,823,656; Sept. 15.
Lamp, Arc. A. F. Martin. 1,814,321; July 14.
Lamp, Arc. O. F. Spahr. 1,810,299; June 16.
Lamp, Arc. J. H. Wagenhorst. 1,816,554; July 28.
Lamp, Arc. J. H. Wagenhorst. 1,817,955; Aug. 11.
Lamp arm and base, Combined. G. A. Marks. Des. 85,252; Sept. 29.
Lamp attachment. S. M. Kenerson. 1,823,049; Sept. 15.
Lamp, Automatically-adjusted carbon-arc. A. Hjelm. 1,796,601; Mar. 17.
Lamp, Automobile. J. T. Smallwood. 1,796,485; Mar. 17.
Lamp, Automobile head. P. A. Bredsvold. 1,798,132; Mar. 31.
Lamp, Automobile signal. E. A. Laurent. 1,818,857; Aug. 11.
Lamp base. C. A. Burke. Des. 84,563–5; July 7.
Lamp base. D. S. Gustin. 1,813,572; July 7.
Lamp base and switch, Combined. W. Nakahara. Des. 83,241; Feb. 3.
Lamp base or article of analogous nature. S. Cantor. Des. 83,308; Feb. 17.
Lamp base or article of analogous nature. M. Kiwad. Des. 83,976–8; Apr. 21.
Lamp base or article of analogous nature. M. Kiwad. 84,087; May 5.
Lamp base or article of analogous nature. M. Kiwad. Des. 84,248; May 26.
Lamp base or article of analogous nature. M. Kiwad. Des. 84,422; June 16.
Lamp base or similar article. F. Pallone. Des. 85,491; Nov. 3.
Lamp, Battery hand. H. W. Jones and H. G. Graubner. 1,788,575; Jan. 13.
Lamp, Battery hand. B. S. Reynolds. 1,792,185; Feb. 10.
Lamp, Battery hand. R. R. Smith. 1,831,514; Nov. 10.
Lamp, Bed. E. Ecker. Des. 85,517; Nov. 10.
Lamp black, Manufacture of. G. C. Lewis. 1,801,436; Apr. 21.
Lamp, Boudoir. G. J. Bamberger. Des. 85,460; Nov. 3.
Lamp bracket. J. K. Russell. 1,816,233; July 28.
Lamp bracket, Flexible. M. F. Rosacker. 1,818,582; Aug. 11.
Lamp bulb. T. G. Melish. 1,796,530; Mar. 17.
Lamp bulb, Coated. D. S. Gustin. 1,830,165; Nov. 3.
Lamp bulb, Electric. S. Lyman. Des. 85,726; Dec. 8.
Lamp bulb, Incandescent electric. A. Bonney, jr. Des. 84,723; July 21.
Lamp bulb, Projecting. G. H. Cushing. 1,829,475; Oct. 27.
Lamp bulb removing mechanism. H. D. Grinnell. 1,806,557; May 19.
Lamp bulbs, Tubulating. J. S. Van Horne. 1,808,729; June 2.
Lamp, Carbon or arc. L. B. Spinney. 1,802,680; Apr. 28.
Lamp casing. J. Templeton. Des. 84,501; June 23.
Lamp, Casket. G. H. Endsley. Re18,271; Dec. 8.
Lamp, chair, and cabinet furniture unit, Combined. E. O. Klemm and N. L. Pollard. Des. 83,452; Feb. 24.
Lamp charged from accumulators, Electric. P. Wolf. 1,806,869; May 26.
Lamp, Child's. G. E. Meissner. Des. 83,739; Mar. 24.
Lamp, Clock. S. M. Hallam. Des. 84,141–2; May 12.
Lamp, Color. E. F. Oliver. 1,833,122; Nov. 24.
Lamp, Combination mirror and electric. W. A. Schurmann. Des. 85,668; Dec. 1.
Lamp, Combined smoker's stand. J. J. Rowbottom. Des. 84,598; July 7.
Lamp construction. F. Buchanan and R. E. Crossley. 1,796,318; Mar. 17.
Lamp construction. R. A. Mullaney. 1,804,566; May 12.
Lamp construction. J. F. Schmidt. 1,837,886; Dec. 22.
Lamp construction for airplanes. S. W. Hyatt. 1,787,823; Jan. 6.
Lamp construction, Head. E. J. Whalen. 1,810,235; June 16.
Lamp construction, Theftproof. E. Wanamaker. 1,794,877; Mar. 3.
Lamp-control means, Oscillograph-. J. W. Legg. 1,790,158; Jan. 27.
Lamp, Electric. B. Claus. 1,804,049; May 5.
Lamp, Electric. A. H. Compton. 1,830,312; Nov. 3.
Lamp, Electric. W. Dawson. 1,806,843; May 26.
Lamp, Electric. H. A. Douglas. 1,817,975; Aug. 11.
Lamp, Electric. H. A. Douglas. 1,824,804; Sept. 29.
Lamp, Electric. J. Hamberger. 1,793,398; Feb. 17.
Lamp, Electric. R. S. Johnson. Des. 84,830; Aug. 11.
Lamp, Electric. J. Moarles. 1,809,790; June 9.
Lamp, Electric. R. Tucker. Des. 83,379; Feb. 17.
Lamp, Electric. R. Tucker. Des. 84,310; June 2.
Lamp, Electric. D. K. Wright. 1,809,661; June 9.
Lamp, Electric arc. C. T. Crocker. 1,837,897; Dec. 22.
Lamp, Electric arc. O. Krell and H. Gerdien. 1,808,558; June 2.
Lamp, Electric arc. T. C. Russell. 1,827,374; Oct. 13.
Lamp, Electric floor. H. S. Siegel. Des. 83,928; Apr. 14.
Lamp, Electric mine. J. G. Daloz. 1,833,318; Nov. 24.
Lamp, Electric reflector. P. Rathmann. 1,823,762–3; Sept. 15.
Lamp, Electric table. F. S. Parmenter. Des. 84,539; June 30.
Lamp electrode, Gaseous conduction. F. Schaefer and O. S. Duffendack. 1,813,320; July 7.
Lamp fixture. S. A. Pettibone. 1,830,072; Nov. 3.
Lamp fixture, Electric-. C. I. Brown. 1,800,857; Apr. 14.
Lamp fixture, Electric-. M. Guett. 1,797,983; Mar. 24.
Lamp fixture, Electric. C. A. B. Halvorson. 1,813,738; July 7.

Lamp fixture, Twin socket. L. W. Andersen. 1,829,328; Oct. 27.
Lamp, Flash. G. A. Drucker. 1,814,299; July 14.
Lamp, Flashing. M. H. Shoenberg and L. Schon. 1,795,740; Mar. 10.
Lamp, Flood-light. J. A. O'Neil. Des. 83,058; Jan. 13.
Lamp, Floodlight. J. A. O'Neil. Des. 83,208; Feb. 3.
Lamp, Floor. L. C. Doane and G. P. Norton. 1,808,296; June 2.
Lamp, Floor. J. W. Gosling. Des. 83,532; Mar. 3.
Lamp, Focusing hand. H. W. Jones. 1,825,354; Sept. 29.
Lamp focusing mechanism. S. F. Arbuckle. 1,804,665; May 12.
Lamp for motor vehicles, Head. E. G. E. Vives. 1,804,965; May 12.
Lamp for producing illuminated motion effects. F. Gritt. 1,809,164; June 9.
Lamp for projecting-motion-picture machines. G. P. Martinez. 1,796,954; Mar. 17.
Lamp for projection apparatus, Incandescent electric. J. Marette. 1,825,078; Sept. 29.
Lamp for vehicles, Head. H. C. Mead. 1,788,728; Jan. 13.
Lamp for vehicles, Signal. J. L. McGrath. 1,797,782; Mar. 24.
Lamp for vehicles, Spot. R. H. Hummert. 1,794,960; Mar. 3.
Lamp for vehicles, Spot. R. H. Hummert. 1,811,502; June 23.
Lamp, Gaseous conduction. D. M. Moore. 1,816,690; July 28.
Lamp globe, Electric. E. Langert. 1,831,456; Nov. 10.
Lamp, Glow. F. Schröter. 1,834,072; Dec. 1.
Lamp, Glow discharge. J. L. Baird. 1,800,926; Apr. 14.
Lamp, Glow discharge. F. Gray. 1,830,163; Nov. 3.
Lamp, Glow-discharge. E. A. Lederer. 1,787,689; Jan. 6.
Lamp, Hand. H. F. Nygard. 1,792,547; Feb. 17.
Lamp hanger structure. A. J. Thompson. 1,819,529; Aug. 18.
Lamp, Head. E. P. Bone. 1,787,470; Jan. 6.
Lamp hood, Arc. J. G. H. Liebel and E. S. Flarsheim. Des. 85,533; Nov. 10.
Lamp housing. L. C. Kuehner. 1,788,723; Jan. 13.
Lamp, Incandescent. O. Conradty. 1,806,787; May 26.
Lamp, Incandescent. J. W. Gilleland, C. A. McHenry, and H. G. Krueger. 1,835,705; Dec. 8.
Lamp, Incandescent. W. C. Goss. 1,824,429; Sept. 22.
Lamp, Incandescent. I. Langmuir. 1,804,349; May 5.
Lamp, Incandescent. E. G. Ramsey. 1,800,903; Apr. 14.
Lamp, Incandescent. Y. Sakakura. 1,802,838; Apr. 28.
Lamp, Incandescent electric. A. D. de Castro. 1,838,372; Dec. 29.
Lamp, Incandescent electric. G. Main. 1,796,468; Mar. 17.
Lamp, Incandescent gas tight miner's. W. Gosmann. 1,803,756; May 5.
Lamp, Indirect lighting. A. A. Witz. 1,831,402; Nov. 10.
Lamp, Interior-telescoping-rim head. S. W. Hyatt. 1,793,805; Feb. 24.
Lamp making machine, Electric incandescent. R. W. Conn. 1,813,565; July 7.
Lamp, Marine. F. Perkins. 1,815,582; July 21.
Lamp, Marine. L. E. Perkins. 1,827,207; Oct. 13.
Lamp, Marker. J. P. Johns. 1,796,655; Mar. 17.
Lamp, Mercury vapor. M. Morrison. 1,807,927; June 2.
Lamp, Mercury vapor. M. Morrison. 1,813,580; July 7.
Lamp, Metal arc. H. Stammreich. 1,828,346; Oct. 20.
Lamp, Miner's. P. Wolf. 1,806,868; May 26.
Lamp, Motor car head. H. Workman. 1,831,279; Nov. 10.
Lamp, Motor vehicle head. J. G. Davis. 1,812,935; July 7.
Lamp mounting for instrument boards. A. Urfer. 1,798,049; Mar. 24.
Lamp, Multiple-compartment. F. W. C. Neuner. 1,789,152; Jan. 13.
Lamp, Nonhardening vacuum tube. L. L. Beck. 1,826,395; Oct. 6.
Lamp or analogous article. C. M. Becker. Des. 85,227; Sept. 29.
Lamp or analogous article. P. W. Grounds. Des. 85,749–52; Dec. 15.
Lamp or analogous article. R. H. Rick. Des. 84,955; Aug. 25.
Lamp or analogous article. J. Schwartz. Des. 85,716; Dec. 8.
Lamp or article of analogous nature. H. Brettler. Des. 83,304; Feb. 17.
Lamp or article of similar nature, Automobile roof rail. P. L. Davis and J. J. Raphael. Des. 83,662; Mar. 17.
Lamp or article of similar nature, Table. G. Danker. Des. 83,034; Jan. 13.
Lamp or article of similar nature, Table. C. Shulman. Des. 84,378; June 9.
Lamp or similar article. L. Cross. Des. 84,978; Sept. 1.
Lamp or similar article. A. von Frankenberg. Des. 83,183; Jan. 27.
Lamp or similar article. A. von Frankenberg. Des. 83,839; Mar. 31.
Lamp or similar article, Incandescent. P. A. Campbell. 1,832,689; Nov. 17.
Lamp or similar article, Table. A. Levy. Des. 83,553; Mar. 3.
Lamp, Parking. G. H. Cushing. 1,814,669; July 14.
Lamp, Photographic electric. W. R. Gruber. 1,823,320; Sept. 15.
Lamp, Pillar roof. R. W. Johnson. Des. 84,746; July 28.
Lamp, Portable electric. S. H. Nuckolls. 1,807,129; May 26.
Lamp, Portable electric. S. H. Nuckolls. 1,814,056; July 14.
Lamp, Portable electric arc. W. R. Gruber. 1,808,164; June 2.
Lamp post. G. G. King. 1,807,413; May 26.
Lamp, Projection. G. Arano. 1,838,170; Dec. 29.
Lamp, Projection. R. E. Miesse. 1,822,360; Sept. 8.
Lamp, Reading. C. W. Neill. 1,825,085; Sept. 29.
Lamp receptacle. R. H. Olley. 1,796,120; Mar. 10.
Lamp receptacle. W. Saymon. Des. 84,853; Aug. 11.
Lamp replacer. N. J. Birong and J. Miller. 1,831,477; Nov. 10.
Lamp-rim remover, Head-. P. D. Burgin. 1,788,507; Jan. 13.
Lamp screen. M. Kornblum. Des. 83,814–17; Mar. 31.
Lamp screen. M. Kornblum. Des. 83,841; Mar. 31.
Lamp setting device. O. Werner. 1,810,036; June 16.
Lamp, Signal. L. S. Brach. 1,796,917; Mar. 17.
Lamp, Signal. M. E. Johnson. 1,800,078; Apr. 7.
Lamp, Signal. L. O. Parker. 1,802,392; Apr. 28.
Lamp, Signal. L. O. Parker. 1,826,220; Oct. 6.
Lamp, Smoker's stand. J. J. Rowbottom. Des. 84,055; Apr. 28.
Lamp socket, Multiple. R. L. Johnson. 1,809,753; June 9.
Lamp, Spectrum. C. Loeb. 1,810,669; June 16.
Lamp stand. C. A. Egli. Des. 84,685; July 21.
Lamp stand. F. B. Price. Des. 84,437; June 16.
Lamp stand. G. M. Riggle. Des. 85,545; Nov. 10.
Lamp stand. W. H. States. Des. 83,933; Apr. 14.
Lamp-stand and plant holder, Combined. E. Barkley. Des. 84,616; July 14.
Lamp stand, Electric candle. A. G. Rossig. Des. 85,714; Dec. 8.
Lamp standard. L. R. Need. Des. 85,442; Oct. 27.
Lamp, Stop and back-up. R. N. Falge. 1,787,443; Jan. 6.
Lamp supporting and controlling means for lighthouses and the like. G. Goodwin. 1,802,145; Apr. 21.
Lamp, Table. O. R. Fandrey. Des. 84,813; Aug. 11.
Lamp, Table. D. S. Foley. Des. 85,468–9; Nov. 3.
Lamp, Table. M. Kornblum. Des. 83,049; Jan. 13.
Lamp, Therapeutic. N. Frutkow and A. J. Viken. 1,823,535; Sept. 15.
Lamp, Therapeutic. N. E. Goodrich. 1,811,883; June 30.
Lamp, Therapeutic. N. E. Goodrich and J. Connor. Des. 84,636; July 14.
Lamp tip. S. P. Hull. 1,834,403; Dec. 1.
Lamp, Trip. E. R. Henningsen. 1,791,358; Feb. 3.
Lamp, Tubular incandescent. K. Wiegand. 1,800,037; Apr. 7.
Lamp unit, Therapeutic. F. A. Anderson. 1,817,027; Aug. 4.
Lamp, Vehicle. F. L. Bamford. 1,797,540; Mar. 24.
Lamp, Vehicle. F. W. C. Neuner. 1,820,477; Aug. 25.
Lamp, Vehicle. W. H. Wood. 1,818,183; Aug. 11.
Lamp, Vehicle head. F. C. McElroy. 1,801,357; Apr. 21.
Lamp, Vehicle tail. B. L. Bobroff. Des. 83,948; Apr. 21.
Lamp, Water-cooled. L. J. Buttolph. 1,799,352; Apr. 7.
Lamp with shade, Shadowless portable. A. L. Arenberg. 1,802,493; Apr. 28.
Lamps and like devices, Manufacture of electric incandescent. L. D. Lockwood. 1,795,785; Mar. 10.
Lamps and similar articles, Automatic mount making machine for incandescent. Y. Otaka. 1,821,894; Sept. 1.
Lamps and the like, Apparatus for actuating rotary movements of. R. L. Davis. 1,833,156; Nov. 24.
Lamps, Arrangement for searchlight. J. Krös. 1,799,911; Apr. 7.
Lamps, Blue flame mantle. C. W. Davis. Re18,061; May 5.
Lamps, Controlling means for spot. E. G. K. Anderson. 1,794,133; Feb. 24.
Lamps, Cut-out for incandescent electric. H. Rau, jr. 1,803,486; May 5.
Lamps, Cutout for series. H. E. Butler. 1,839,084; Dec. 29.
Lamps, Dimming. W. Dubilier. 1,830,531; Nov. 3.
Lamps, Focusing adjustment for. A. L. Martinek. 1,803,433; May 5.
Lamps in cinematographic apparatus, Arrangement of electric. A. N. Merle. 1,796,038; Mar. 10.
Lamps, Method and apparatus for coloring. J. T. Fagan. 1,830,598; Nov. 3.
Lamps on electric signs, System for controlling the energizing of. G. Maurer. 1,788,727; Jan. 13.
Lamps or similar devices, Manufacture of electric incandescent. H. Gooskens and P. Leydens. 1,799,743; Apr. 7.
Lamps, Reflector-attaching structure for. W. E. Krueger. 1,794,523; Mar. 3.
Lamps to and from sockets, Device for inserting and removing electric. L. Schulz. 1,823,170; Sept. 15.
Lampblack, Apparatus for producing. B. W. Rumbarger. 1,797,368; Mar. 24.
Land clearing machine. J. H. Caldwell. 1,807,150; May 26.
Land leveling instrument. M. Thornton. 1,811,811; June 23.
Land packer. L. E. Bissell. 1,827,726; Oct. 20.
Land packer. R. S. Reeves. 1,795,505; Mar. 10.

Land roller. C. M. Anderson and J. H. Cope. 1,798,393; Mar. 31.
Landing hook, Sliding oleo. R. J. Minshall. 1,816,228; July 28.
Landing light, Aeroplane. E. Van Horn. 1,793,656; Feb. 24.
Landing light, Aeroplane. E. Van Horn. 1,804,572; May 12.
Landing wheel. W. Brown. 1,829,500; Oct. 27.
Lantern. J. H. Allen. Des. 84,914; Aug. 25.
Lantern. J. H. Allen. Des. 85,024; Sept. 8.
Lantern. H. W. Bishop. 1,831,090; Nov. 10.
Lantern. R. A. Currie. 1,795,542; Mar. 10.
Lantern. J. B. Harley. 1,790,376; Jan. 27.
Lantern. D. N. Holland. 1,810,767; June 16.
Lantern, Advertising. M. W. Bowen. Des. 84,324; June 9.
Lantern burner. E. Shepard. 1,828,080; Oct. 20.
Lantern, Electric hand. W. F. Geist. 1,797,499; Mar. 24.
Lantern fixture, Electric. G. E. McFadden. Des. 83,236–8; Feb. 3.
Lantern, Hand. C. L. Cobb. 1,837,808; Dec. 22.
Lantern, Hand. W. B. Schulte. Des. 85,115; Sept. 15.
Lantern, Multiple lens signal. C. O. Harrington. 1,833,160; Nov. 24.
Lantern, Railway. W. J. Spence. 1,822,910; Sept. 15.
Lantern, Signal. J. S. Pixley. 1,797,178; Mar. 17.
Lantern, Signal. J. S. Pixley. 1,801,021; Apr. 14.
Lantern, Walk and driveway. L. De Vos. Des. 85,688; Dec. 8.
Lap. E. Anstett. 1,835,257; Dec. 8.
Lap table. W. Hanley. 1,827,518; Oct. 13.
Lap table. O. K. and O. Mitchell. 1,838,856; Dec. 29.
Lapping device. C. F. Birgbauer. 1,792,800; Feb. 17.
Lapping head. K. E. Summers. 1,796,060; Mar. 10.
Lapping machine. S. Holt. 1,815,104; July 21.
Lapping-machine. W. P. Hunt. 1,793,486; Feb. 24.
Lapping machine. H. S. Indge and S. Player. 1,831,958; Nov. 17.
Lapping machine, Internal. H. S. Indge. 1,836,121; Dec. 15.
Lard filling machine. J. W. Hubbard. 1,804,772; May 12.
Larynx, Artificial. R. R. Riesz. 1,836,816; Dec. 15.
Last. P. F. W. C. Krippendorf. 1,833,116; Nov. 24.
Last. J. J. Mahler. 1,790,064; Jan 27.
Last. R. B. McCarthy. 1,795,661; Mar. 10.
Last. R. D. Poole. 1,806,417; May 19.
Last. R. L. Stanley. 1,806,720; May 26.
Last. W. J. Vernier and L. H. Cooley. 1,793,344; Feb. 17.
Last for turn shoes. J. V. Reed. 1,819,121; Aug. 18.
Last, Hinge. C. L. Sturgis. 1,811,901; June 30.
Last, Shoe. A. Barna. 1,813,378; July 7.
Last, Shoe. W. M. Biddle. 1,827,777; Oct. 20.
Last, Shoe. I. Moskow. 1,817,639; Aug. 4.
Lasting and fastening machine. F. W. Merrick. 1,788,841; Jan. 13.
Lasting jack positioning device. E. E. Foster. 1,829,000; Oct. 27.
Lasting machine. F. C. Eastman. 1,825,857; Oct. 6.
Lasting machine. G. Goddu. 1,796,451; Mar. 17.
Lasting machine. B. Jorgensen. 1,831,120; Nov. 10.
Lasting machine. A. F. Pym. 1,833,092; Nov. 24.
Lasting machine. R. J. Rice. 1,834,109; Dec. 1.
Latch. G. W. Aldeen. 1,811,449; June 23.
Latch. F. E. Bessler. 1,802,401; Apr. 28.
Latch. E. Burton. Des. 84,461; June 23.
Latch. R. Calpin. 1,821,879; Sept. 1.
Latch. O. P. Cramer. 1,832,004; Nov. 17.
Latch. P. S. Dunn. 1,826,868; Oct. 13.
Latch. A. Ekman. 1,798,148–9; Mar. 31.
Latch. W. D. Ferris. 1,830,786; Nov. 10.
Latch. V. S. Firestone and D. Sward. 1,796,923; Mar. 17.
Latch. B. Hall. 1,808,219; June 2.
Latch. M. H. Kashian. 1,804,382; May 5.
Latch. F. Netschert. 1,814,954; July 14.
Latch. E. W. North and L. Anderson. 1,807,668; June 2.
Latch. W. Parks. 1,797,362; Mar. 24.
Latch. Z. Polaire. 1,821,847; Sept. 1.
Latch. F. A. Porell. 1,795,502; Mar. 10.
Latch. S. J. Purnell. 1,817,939; Aug. 11.
Latch. G. E. Roedding. Des. 85,057; Sept. 8.
Latch. G. E. Roedding. 1,794,206; Feb. 24.
Latch. G. E. Roedding. 1,798,170; Mar. 31.
Latch. G. E. Roedding. 1,836,554; Dec. 15.
Latch. B. Rohe. 1,810,087; June 16.
Latch. L. C. Vanderlip. 1,796,548; Mar. 17.
Latch (an improvement for dry gas meters), Antireverse. G. Kuwada. 1,787,633; Jan. 6.
Latch, Automatic window. H. W. Gilbert. 1,813,287; July 7.
Latch, Bird cage. E. W. Little. Des. 85,833; Dec. 22.
Latch, Bird-cage. E. W. Little. 1,794,718; Mar. 3.
Latch, Burial vault. E. Hedeen. 1,825,397; Sept. 29.
Latch, Camera. A. Stuber. 1,823,299; Sept. 15.
Latch, Combination window. H. L. Roby. 1,817,101; Aug. 4.
Latch construction. J. E. Gloekler. 1,812,334; June 30.
Latch device. K. D. Langley. 1,792,173; Feb. 10.
Latch device. W. A. Scott. 1,822,424; Sept. 8.
Latch device, Door. F. D. Grund. 1,806,940; May 26.
Latch device, Safety. C. J. Bristol. 1,824,866; Sept. 29.
Latch, Door. I. E. Beeler. 1,834,819; Dec. 1.
Latch, Door. W. C. Devereaux. 1,807,776–7; June 2.
Latch, Door. H. H. Dodd, jr. 1,789,619; Jan. 20.
Latch, Door. E. Ellingson. 1,822,279; Sept. 8.
Latch, Door. J. Galamb. 1,800,619; Apr. 14.
Latch, Door. J. Galamb. 1,821,148; Sept. 1.
Latch, Door. F. D. Grund. 1,830,654; Nov. 3.
Latch, Door. M. Hansen. 1,789,405; Jan. 20.
Latch, Door. R. Kielsmeier. 1,791,898; Feb. 10.
Latch, Door. T. Kromer. 1,829,938; Nov. 3.
Latch, Door. O. E. Magnuson. 1,835,660; Dec. 8.
Latch, Door. C. M. Norton. 1,812,411; June 30.
Latch, Door. L. Ottinger. 1,787,591; Jan. 6.
Latch, Door. J. J. Piper. 1,827,400; Oct. 13.
Latch, Door. J. Prentice. 1,825,283; Sept. 29.
Latch, Door. W. R. Schlage. 1,829,814; Nov. 3.
Latch, Door. F. Schmidgall. 1,814,636; July 14.
Latch, Door. P. W. Sullivan. 1,787,707; Jan. 6.
Latch, Door. D. W. Wood. 1,816,134; July 28.
Latch for automobile lifts, Safety. C. J. Bristol. 1,827,966; Oct. 20.
Latch for barn doors. A. Holien. 1,830,513; Nov. 3.
Latch for breakdown firearms, Locking-bolt. F. F. Burton. 1,816,312; July 28.
Latch for doors. J. P. Burt. 1,805,129; May 12.
Latch for dump car doors. W. J. Hosceit. 1,809,850; June 16.
Latch for heddle frames. J. Walker, jr. 1,830,684; Nov. 3.
Latch for hinged doors. H. E. Olson. 1,830,288; Nov. 3.
Latch for hooks of harrows, Gravity. O. Arkema. 1,837,094; Dec. 15.
Latch for oil breakers. H. G. MacDonald. 1,802,768; Apr. 28.
Latch for passenger-vehicle bodies, Rear door. J. H. Levitt, G. E. Stringer, and E. H. Gielow. 1,790,104; Jan. 27.
Latch for refrigerators and the like. G. E. Roedding. Des. 85,494; Nov. 3.
Latch for tool handles. C. A. Bryant. 1,802,904; Apr. 28.
Latch for vacuum cleaners, Handle. G. Meier. 1,791,423; Feb. 3.
Latch for vanity cases, cigarette cases, and the like. W. E. Evans. 1,792,685; Feb. 17.
Latch for vehicle doors. R. Marple. 1,801,439–40; Apr. 21.
Latch for windows. C. E. McGuire. 1,799,523; Apr. 7.
Latch, Gate. W. A. McCulloch. 1,787,869; Jan. 6.
Latch, Gate. C. E. Way. 1,823,303; Sept. 15.
Latch handle. J. F. Bentley. 1,797,282; Mar. 24.
Latch handle. W. B. Jarvis. Des. 83,809; Mar. 31.
Latch, Hood. F. L. Cummins. 1,793,778; Feb. 24.
Latch, Hood. C. B. Gilmore. 1,790,660; Feb. 3.
Latch, Hood. D. P. Hynes. 1,824,895; Sept. 29.
Latch, Hood. D. P. Hynes. 1,829,447; Oct. 27.
Latch, Hood. D. P. Hynes and E. R. Johnson. 1,820,665; Aug. 25.
Latch, Hood. D. P. Hynes and N. A. Mears. 1,831,494; Nov. 10.
Latch, Hood. N. A. Mears. 1,824,912; Sept. 29.
Latch, Hood. N. A. Mears and D. P. Hynes. 1,809,720; June 9.
Latch, Hood. N. A. Mears and D. P. Hynes. 1,820,238; Aug. 25.
Latch, Hood. N. A. Mears and D. P. Hynes. 1,829,601; Oct. 27.
Latch, Hook. E. R. Prow. 1,790,765; Feb. 3.
Latch lock fastener, Adjustable. H. A. Borresen. 1,805,356; May 12.
Latch lock, Mortise. E. Ellingson. 1,822,278; Sept. 8.
Latch, Locking. G. E. Keeler. 1,826,472; Oct. 6.
Latch, Locking. G. E. Keeler and A. L. Birdsall. 1,828,468; Oct. 20.
Latch mechanism. G. Dickerson. 1,833,209; Nov. 24.
Latch mechanism. C. B. Lowe. 1,837,560; Dec. 22.
Latch mechanism, Door. W. C. Devereaux. 1,828,927; Oct. 27.
Latch mechanism, Door-. F. D. Grund. 1,796,841; Mar. 17.
Latch mechanism, Door. G. J. Janonis. 1,833,945; Dec. 1.
Latch mechanism, Door-. C. B. Lowe. 1,791,872; Feb. 10.
Latch mechanism, Door. S. L. Rhiner. 1,805,997; May 19.
Latch mechanism. L. Edelson. 1,820,058; Aug. 25.
Latch needles, Making. G. W. Mayo and D. F. Morse. 1,798,890; Mar. 31.
Latch operating means for directory boards, etc. G. S. Rider. 1,809,804; June 9.
Latch or the like. M. Leventhal. 1,800,690; Apr. 14.
Latch, Poultry coop gate. E. R. Carr. 1,825,504; Sept. 29.
Latch, Post anchored door. W. R. Schlage. 1,826,093; Oct. 6.
Latch, Press box. J. Behle, T. W. Aven, and H. Linnartz. 1,804,854; May 12.
Latch, Push button. W. B. Nonamaker. 1,828,152; Oct. 20.
Latch, Refrigerator. C. Geske. 1,816,184; July 28.
Latch, Refrigerator. C. Geske. 1,831,299; Nov. 10.
Latch, Refrigerator. W. M. Myers. Des. 83,695; Mar. 17.
Latch, Refrigerator. A. Rubin. 1,810,530–3; June 16.
Latch, Refrigerator. O. M. Summers. 1,789,394; Jan. 20.
Latch release, Dipper door. L. R. Culver. 1,821,499; Sept. 1.
Latch release, Dipper door. L. R. Culver. 1,827,420; Oct. 13.
Latch, Sash. W. A. Smith. Des. 85,350; Oct. 13.
Latch-shaft-fastening means. W. C. Devereaux. 1,800,818; Apr. 14.
Latch structure. L. Bittorf. 1,832,615; Nov. 17.

Latch structure. W. A. Scott. 1,802,784; Apr. 28.
Latch, Tail gate. G. F. Becker. 1,828,797; Oct. 27.
Latch, Toggle. H. J. Lingal. 1,807 041; May 26.
Latch trip, Power dipper door. L. R. Culver. 1,807,028; May 26.
Latch, Tubular night. F. E. Best and F. H. Harp. 1,811,110; June 23.
Latch, Whorl. R. J. Bartholomew. 1,828,993; Oct. 27.
Latch, Window. F. Kilberg. 1,806,978; May 26.
Latch, Window. H. Lorenzen. 1,815,787; July 21.
Latches, Dog releasing device for door. F. D. Grund. 1,827,982; Oct. 20.
Latching and seal receiving structure. D. T. Wadsworth. 1,807,261; May 26.
Latching device, Automatic. M. J. Cherry and C. A. Barth. 1,808,635; June 2.
Latching device, Combined antirattle and window-. J. M. Enders. 1,788,666; Jan. 13.
Latching device for split rims. A. W. Woodward. 1,805,062; May 12.
Latching device, Lever-. L. R. Shaffer. 1,797,623; Mar. 24.
Latching device, Window. J. H. Sheard and H. S. Getty. 1,823,173; Sept. 15.
Latching means for drop and gondola cars. K. J. Tobin and A. Wasberg. 1,829,073; Oct. 27.
Latching means for dumb waiter doors. I. Fried. 1,813,734; July 7.
Latching means for house car doors. K. J. Tobin and W. J. Beauchamp. 1,834,508; Dec. 1.
Latching means for removable crank case covers. A. A. Eklund. 1,808,403; June 2.
Latching, Mechanism for hopper doors. K. J. Tobin and A. Wasberg. 1,811,902; June 30.
Latches and window regulators, Operating means for automobile door. L. Ottinger. 1,803,675; May 5.
Latches for vehicle doors, Assembling. W. C. Devereaux. 1,799,503; Apr. 7.
Lateral-motion device. S. S. Riegel. 1,789,690; Jan. 20.
Lateral motion mechanism. T. H. Symington. 1,806,097; May 19.
Latex and conditioned product, Conditioning of. F. W. Vogel, P. Brown, and R. B. Hill. 1,834,481; Dec. 1.
Latex and conditioned product, Conditioning of alkali-preserved. R. B. Hill. 1,834,490; Dec. 1.
Latex and product, Thickening and stabilizing. M. C. Teague. 1,826,192; Oct. 6.
Latex applying machine. H. R. Polleys. 1,804 481; May 12.
Latex by centrifugal action, Concentration of. C. C. Loomis and H. E. Stump. 1,816,018; July 28.
Latex composition and process of making. W. B. Van Arsdel and R. B. Hill. 1,831,895; Nov. 17.
Latex compositions, Production of. D. F. Twiss and E. A. Murphy. 1,793,265; Feb. 17.
Latex, Device for spraying. C. E. Maynard. 1,795,875; Mar. 10.
Latex, Increasing the stability and filter-ability of. S. M. Cadwell and E. Hazell. 1,802,753; Apr. 28.
Latex, Preservation and treatment of. F. Günther, H. Hopff, and C. Schuster. 1,838,826; Dec. 29.
Latex, Preservation of. A. A. Nikitin. 1,801,754; Apr. 21.
Latex, Preservation of. A. A. Nikitin. 1,823,119; Sept. 15.
Latex, Processing of. R. F. Elder and R. B. Hill. 1,804,157; May 5.
Latices, particularly rubber latex, by the so-called creaming process, Concentrating. E. A. Hauser. 1,831,492; Nov. 10.
Lath and making same, Metal. W. M. Goldsmith. 1,792,492; Feb. 17.
Lath attaching clip. D. H. Bitney. 1,820,688; Aug. 25.
Lath clip and installing the same. W. E. White. 1,824,315; Sept. 22.
Lath, Expanded metal. F. C. Arey. 1,837,393; Dec. 22.
Lath for use in constructing surfaces impervious to X-rays. S. Lapof. 1,815,922; July 28.
Lath, Insulating metal. D. B. Arnold. 1,828,351; Oct. 20.
Lath machine, Expanded metal. E. T. Redding. 1,826,286; Oct. 6.
Lath, Making coves and corners for plaster. W. B. Thurman. 1,819,345; Aug. 18.
Lath, Metal. N. H. Nelson. 1,819 377; Aug. 18.
Lath panels, Forming. G. A. Buttress. 1,791,792; Feb. 10.
Lath panels, Producing fabricated. G. A. Buttress. 1,791,791; Feb. 10.
Lath, Reenforced metal. W. G. Hurlbert, jr., and W. and W. J. Purser. 1,791,210; Feb. 3.
Lath structure. J. Kahn and H. E. White. 1,824,274; Sept. 22.
Lath structure. H. E. White and W. H. Fishel. 1,820,896–7; Aug. 25.
Lath support. E. G. Appleton. 1,800,924; Apr. 14.
Lath to studding, Applying plaster. W. B. Thurman and M. W. Hild. 1,793,341; Feb. 17.
Lathing, Metal. J. B. Hernandez. 1,824,082; Sept. 22.
Lathing to studding Attaching. W. B. Thurman and M. W. Hild. 1,787,804; Jan. 6.
Lathing unit. W. W. Blackburn. 1,826,499; Oct. 6.
Lathing unit. F. M. Jacobs. 1,824,210; Sept. 22.
Lathe. J. M. Christman. 1,818,042; Aug. 11.
Lathe. G. T. Williams. 1,802,164; Apr. 21.
Lathe and blank-feeding means therefor, Automatic. E. R. Smith and A. Schinkez. 1,790,848; Feb. 3.
Lathe attachment. H. L. Dardelet. 1,798,143; Mar. 31.
Lathe, Automatic. A. d'Halloy. 1,822,805; Sept. 8.
Lathe, Automatic. W. F. Groene. 1,818,128; Aug. 11.
Lathe, Cam-actuated. E. R. Smith. 1,794,423; Mar. 3.
Lathe center. W. R. Fisher. 1,788,621; Jan. 13.
Lathe, Center drive. E. F. Batterman and J. Verderber. 1,833,601; Nov. 24.
Lathe chuck. M. P. Hubbell. 1,814,699; July 14.
Lathe chuck. O. C. Kavle. 1,802,655; Apr. 28.
Lathe dog. C. R. Taggart. 1,812,180; June 30.
Lathe, Elbow. H. Parker. 1,813,419; July 7.
Lathe-feed mechanism. C. W. Cherry. 1,799,038; Mar. 31.
Lathe for car wheel axles and the like, Hydraulically driven. W. J. F. Forward and S. A. Harding. 1,825,722; Oct. 6.
Lathe for shaping fiber conduits. R. F. Freeman. 1,835,485; Dec. 8.
Lathe, Grinding and polishing. R. C. Mitchell. 1,808,728; June 2.
Lathe having front and rear tool slides. W. Heinemann. 1,788,294; Jan. 6.
Lathe or the like, Device for use on a. W. E. Hayward. 1,814,087; July 14.
Lathe, Vertical turret. E. P. Bullard, jr. 1,794,441; Mar. 3.
Lather, Device for producing and dispensing. F. P. Gallipoli and T. A. Kingsley, sr. 1,827,649; Oct. 13.
Lathes and machine tools, Device for automatically controlling the slide rests of. G. Cuttat. 1,836,648; Dec. 15.
Lathes, Apron mechanism for. A. Trosch. 1,794,657; Mar. 3.
Lathes, Automatic work feeding and chucking means for multiple spindle. E. P. Bullard. 1,835,591; Dec. 8.
Lathes, Centering device for. E. N. Broden. 1,824,769; Sept. 29.
Lathes, Chasing attachment for. T. A. Wettig and C. Meier. 1,823,242; Sept. 15.
Lathes, Feed mechanism for. E. J. Svenson. 1,797,704; Mar. 24.
Lathes, Feed-screw-limit gauge for. C. E. Moore. 1,799,311; Apr. 7.
Lathes, Hydraulic speed control for. W. H. Foster. 1,795,018; Mar. 3.
Lathes, Motor traverse for. W. F. Groene. 1,791,270; Feb. 3.
Lathes, Relieving mechanism for. F. O. Hoagland. 1,790,543; Jan. 27.
Lathes, Supporting attachment for. W. W. Bulifant. 1,801,719; Apr. 21.
Lathes, Tailstock attachment for. L. C. Reis. 1,799,179; Apr. 7.
Lathes, Tool-feed device for crank-pin-turning. F. S. Floeter. 1,793,789; Feb. 24.
Lather-forming device. R. H. Wager. 1,798,345–6; Mar. 31.
Lattice beam. C. L. Wooldridge. 1,813,373; July 7.
Lattice brace. W. N. Vance. 1,795,060; Mar. 3.
Laundering, Apparatus for. T. L. Lowe. 1,838,559; Dec. 29.
Laundries, Distributing and feeding means for. E. J. Carroll. 1,791,488; Feb. 10.
Laundry and garment pressing, Pressing element for. E. Davis. 1,805,570; May 19.
Laundry apparatus. G. J. Qualman. 1,837,482; Dec. 22.
Laundry, Apparatus for sorting and tagging. M. Troy. 1,823,773; Sept. 15.
Laundry articles, Assorting and classifying. C. E. Constable. 1,813,229; July 7.
Laundry checking and assembling apparatus. E. L. Hurd. 1,808,405; June 2.
Laundry checking device. J. H. Todd. 1,820,101; Aug. 25.
Laundry device. H. Hirsch. 1,817,821; Aug. 4.
Laundry device. N. Stramaglia. 1,827,678; Oct. 13.
Laundry drier. J. P. Bethke. 1,792,137; Feb. 10.
Laundry equipment, Domestic. T. W. Chadburn. 1,812,430; June 30.
Laundry flat spreader and rack piece. L. R. Sager. 1,827,336; Oct. 13.
Laundry, Handling. C. O. Reeps. 1,796,666; Mar. 17.
Laundry ironing and pressing apparatus. A. H. Adams. 1,834,365; Dec. 1.
Laundry list. E. L. McCook. 1,790,994; Feb. 3.
Laundry machine. C. B. Askew. 1,796,914; Mar. 17.
Laundry machine. R. C. Gleaves. 1,814,031; July 14.
Laundry machine. J. J. O'Shea. 1,788,321–2; Jan. 6.
Laundry machine. J. Sekavec. 1,802,541; Apr. 28.
Laundry machine. I. H. Wilsey. 1,816,033; July 28.
Laundry-machine casing. W. E. Bock. Des. 82,969; Jan. 6.
Laundry marking and assorting apparatus. J. McB. Garvey. 1,836,113; Dec. 15.
Laundry net, Metallic. H. A. Gilbertson, R. J. Curtin, and R. C. Jacobs. 1,814,378; July 14.
Laundry rack, Flat piece. L. R. Sager. 1,836,938; Dec. 15.
Laundry shaking out table. J. A. Hunkele. 1,827,985; Oct. 20.
Laundry sorting and assembling device. W. F. Kruschwitz. 1,816,331; July 28.
Laundry tag marking machines, Ribbon actuating device for. C. E. Constable. 1,822,339; Sept. 8.

Laundry tagging machine. E. Lane. 1,818,408; Aug. 11.
Lavatory. C. J. Steele. Des. 84,498–9; June 23.
Lavatory. E. G. Watrous. 1,788,216; Jan. 6.
Lavatory. E. G. Watrous. 1,814,352; July 14.
Lavatory. R. H. Zinkil. Des. 84,065; Apr. 28.
Lavatory. C. H. Zwermann. Des. 83,025; Jan. 6.
Lavatory closet. J. Lewis. 1,810,280; June 16.
Lavatory construction. C. C. Veneman. 1,827,053; Oct. 13.
Lavatory fixture. R. M. Leland. 1,836,854; Dec. 15.
Lavatory, Swinging. E. G. Watrous. 1,831,937; Nov. 17.
Lawn and hedge trimmer, Combined. F. W. Wade. 1,814,649; July 14.
Lawn edge trimmer. E. Eiermann. 1,825,146; Sept. 29.
Lawn rake. F. C. Bell and S. Skelly. Re17,980; Feb. 24.
Lawn rake, Self-cleaning. G. De Vries. 1,797,333; Mar. 24.
Lawn sprinkler. A. P. Green. 1,830,833; Nov. 10.
Lawn sprinkler. T. Mayerhofer. Des. 83,690–2; Mar. 17.
Lawn sprinkler. L. R. Nelson. 1,831,540; Nov. 10.
Lawn sprinkler. H. K. Rader. 1,821,579; Sept. 1.
Lawn sprinkler. W. Steininger. 1,827,339; Oct. 13.
Lawn sprinkler. W. Steininger. 1,830,448; Nov. 3.
Lawn sprinkler. C. S. Wert. 1,825,640; Sept. 29.
Lawn sprinkler, Rotary. W. F. Ware. 1,791,294; Feb. 3.
Lawn trimmer. O. Karcher. 1,794,178; Feb. 24.
Lawn trimmer. R. Wallen. 1,800,166; Apr. 7.
Lawn trimming device. F. Rossman. 1,833,535; Nov. 24.
Laws of centrifugal force, Apparatus for investigating and demonstrating the. P. L. Tea. 1,829,311; Oct. 27.
Layout for restaurants. C. G. Hall. 1,825,952; Oct. 6.
Leaching and treating apparatus. L. C. Karrick and D. Gould. 1,835,878; Dec. 8.
Leaching, Method of and apparatus for. J. M. Coahran. 1,793,465; Feb. 24.
Lead alloy. R. J. Shoemaker. 1,813,324; July 7.
Lead and compositions containing the same, Stabilization of tetra alkyl. W. S. Calcott and A. E. Parmelee. 1,835,140–1; Dec. 8.
Lead and rule cutter. F. Meese. 1,808,054; June 2.
Lead clamp. F. B. Shepard. 1,798,815; Mar. 31.
Lead columns, pipes or the like, Dismounting device for, E. Voituron. 1,819,983; Aug. 18.
Lead compound. S. H. Diggs and F. S. Campbell. 1,830,984; Nov. 10.
Lead, Dezincing. J. O. Betterton. 1,792,210; Feb. 10.
Lead for sounding purposes. W. Rudolph and B. Settegast. 1,789,158; Jan. 13.
Lead from cables, Method and machine for stripping. C. H. Slugg. 1,791,106; Feb. 3.
Lead-in device. H. M. Finn. 1,791,666; Feb. 10.
Lead oxides, Manufacture of. C. J. Wright. 1,800,239; Apr. 14.
Lead peroxide, Coating with. J. Fischer. 1,795,941; Mar. 10.
Lead peroxide, Electrolytic production of. W. Birett. 1,800,206; Apr. 14.
Lead, Preparation of tetra alkyl. H. W. Daudt. 1,798,593; Mar. 31.
Lead-purifying process. J. B. Schuettenhelm. 1,794,647; Mar. 3.
Lead pusher for mechanical pencils. H. L. Fischer. 1,820,130; Aug. 25.
Lead, Refining. P. W. Davis. 1,809,835; June 16.
Leader strap, Adjustable ornamental. C. A. Meunier. 1,789,906; Jan. 20.
Leads, Method of and apparatus for forming. F. M. Mayhew, V. N. Reiff, and G. E. Kelly. 1,835,801; Dec. 8.
Leaf flipper. P. O. Unger. 1,832,824; Nov. 17.
Leaf supporting arrangement, Loose. S. D. Light. 1,836,979; Dec. 15.
Leak detector for autos, High pressure. W. A. Winder. 1,825,839; Oct. 6.
Leak detector for cans in cartridges. A. R. Thompson. 1,832,062; Nov. 17.
Leak gauge. T. Capparella. 1,797,071; Mar. 17.
Leak prevention device for vents. F. Parizek. 1,798,350; Mar. 31.
Leak stopping device for pipes. F. Welsh. 1,806,867; May 26.
Leakage in valves, Preventing. W. D. La Mont. 1,826,941; Oct. 13.
Leaks, Apparatus for locating. P. H. Granger. 1,796,464; Mar. 17.
Leaks, Apparatus for locating. P. H. Granger. 1,822,925; Sept. 15.
Leaks in well casings, Indicating and cementing off. P. H. Granger. 1,812,944; July 7.
Leaks in well casings, Locating and cementing off. P. H. Granger. 1,812,945; July 7.
Leaks in well tubing, Locating. P. H. Granger. 1,812,943; July 7.
Leaning wheel. E. C. Gledhill. 1,834,239–40; Dec. 1.
Leather and dried hides, Moistening and wetting out. F. Pospiech. 1,794,920; Mar. 3.
Leather composition. G. D. Fortman. 1,829,511; Oct. 27.
Leather-cutting machine. C. Unruh. 1,791,253; Feb. 3.
Leather, Decorating. M. J. Dwyer. 1,813,390; July 7.
Leather, fabric, or paper rolling machine, Hydraulic. J. Kleinewefers. 1,808,356; June 2.
Leather-finishing method and composition. J. T. Burke. 1,800,776; Apr. 14.
Leather grading machine. D. E. Harding. 1,806,756; May 26.
Leather, leather board, waxed cloth and the like, Manufacturing artificial. E. Czapek and R. Weingand. 1,806,841; May 26.
Leather, Lustering. G. R. Pensel and S. H. Friestedt. 1,827,163; Oct. 13.
Leather, Making. C. Nitta. 1,823,754; Sept. 15.
Leather, Making plaited. F. Barber. 1,805,478; May 19.
Leather, Manufacture of patent. A. S. Hubbard. 1,789,550; Jan. 20.
Leather or similar article. J. Contessa. Des. 83,312; Feb. 17.
Leather or similar article. K. D. Robinson. Des. 85,272; Sept. 29.
Leather or similar article, Embossed. C. Fleissner, jr. Des. 83,038; Jan. 13.
Leather-plaiting apparatus. F. Barber. 1,796,314; Mar. 17.
Leather, Process and apparatus for tanning. R. Chavand. 1,812,257; June 30.
Leather stretching machine. J. H. Harrison. 1,807,660; June 2.
Leather, Stuffing of. A. Thauss and A. Dahl. 1,800,574; Apr. 14.
Leather, Tanning sole. C. Kannel. 1,789,629; Jan. 20.
Leather working machine. J. H. Connor. 1,815,140; July 21.
Leather-working machine. G. A. Schettler. 1,798,228; Mar. 31.
Leathers, Making patent, japan, and enamel. S. S. Sadtler and E. F. Cayo. 1,829,302; Oct. 27.
Leavened product and composition of matter. A. D. Blank, H. A. Kohman, and A. Schultz. 1,803,588; May 5.
Leaves and binding mechanism therefor, Cutting. R. F. Power. 1,790,441; Jan. 27.
Ledger and index therefor. F. H. Crump. 1,824,659; Sept. 22.
Ledger rack. S. G. Twait. 1,830,815; Nov. 10.
Leer. G. W. Batchell and F. G. Schwalbe. 1,800,203; Apr. 14.
Leer. V. Mulholland. 1,798,552; Mar. 31.
Leer, Annealing. J. L. Drake. 1,818,201; Aug. 11.
Leer, Electric. V. Mulholland. 1,833,090; Nov. 24.
Leer feeder. A. N. Cramer. 1,827,738; Oct. 20.
Leer feeder. H. L. Wittman. 1,832,343–4; Nov. 17.
Leer feeder attachment. I. H. Freese. 1,838,936; Dec. 29.
Leer for annealing glassware. V. Mulholland. 1,790,434; Jan. 27.
Leer for annealing glassware. J. N. Wilson. 1,836,054; Dec. 15.
Leer, Glass annealing. E. A. C. Pryor and F. A. Hurlbut. 1,828,070; Oct. 20.
Leer loader. E. H. Lorenz. 1,835,570; Dec. 8.
Leer stacker. G. E. Rowe. 1,809,989; June 16.
Leers, Drift control for. H. A. Wadman. 1,808,192; June 2.
Leg, Detachable. C. Mahoney, W. J. Conwell and G. L. Sellers. 1,800,148; Apr. 7.
Leg for one-rail trucks. T. J. Lynch. 1,794,468; Mar. 3.
Leg for sinks and the like, Adjustable. W. J. Kohler, jr. 1,806,169; May 19.
Leg for tables, show cases, or the like. W. T. Hormes. Des. 83,199; Feb. 3.
Leg or similar article, Cabinet. H. E. Blood. Des. 85,570; Nov. 17.
Leg, Supporting. J. A. Hoegger. 1,792,223; Feb. 10.
Leggings. M. W. Anderson. 1,794,506; Mar. 3.
Legs to platforms, Attaching. H. T. Hallowell and F. Bennett. 1,832,771; Nov. 17.
Leguminous flakes, Making. F. R. Bachler. 1,813,268; July 7.
Lehr with insulated tunnel, Glass annealing. A. W. Russell and H. A. Wadman. 1,827,673; Oct. 13.
Lens. D. C. Smith. 1,828,233; Oct. 20.
Lens. W. H. Wood. 1,788,936; Jan. 13.
Lens-attachment mount for photographic apparatus. D H. Stewart. Re17,937; Jan. 20.
Lens, Automobile headlight. M. A. Smith. Des. 84,112; May 5.
Lens combination. W. F. Bielicke. 1,839,011; Dec. 29.
Lens cutter. E. M. Long. 1,789,942; Jan. 20.
Lens edging machine. A. E. Maynard. 1,827,368; Oct. 13.
Lens focusing mechanism of moving picture projecting machines, Manipulating attachment for the. N. J. Northington. 1,804,268; May 5.
Lens for reading scale charts, Compound. J. W. Bryce. 1,788,011; Jan. 6.
Lens for vehicle lamps. R. W. Johnson. Des. 84,747–8; July 28.
Lens grinding and polishing machine. I. G. Vetter. 1,811,219; June 23.
Lens, Head-lamp. R. W. Johnson. Des. 83,045; Jan. 13.
Lens, Head-lamp. T. Kobatake. 1,799,377; Apr. 7.
Lens, Headlight. L. M. Montgomery. 1,797,012; Mar. 17.
Lens inspecting and layout device. L. W. Bugbee, jr. 1,790,572; Jan. 27.
Lens mount. K. Kruening. 1,792,171; Feb. 10.
Lens mount. K. Kruening. 1,831,626–7; Nov. 10.

Lens mount. F. H. Owens. 1,819,476; Aug. 18.
Lens mount, Focusing. F. H. Owens. 1,820,484; Aug. 25.
Lens of photographic cameras, picture projecting apparatus, and other like optical devices. C. J. Coleman. 1,813,439; July 7.
Lens, Photographic. W. Merte. 1,826,362; Oct. 6.
Lens, Photographic. P. Rudolph. 1,833,593; Nov. 24.
Lens, Photographic. A. Sonnefeld. 1,825,828; Oct. 6.
Lens shifting mechanism for projecting machines. A. Tondreau. 1,822,551; Sept. 8.
Lens-surfacing machine. A. E. Maynard. 1,800,308; Apr. 14.
Lens surfacing machine. J. J. McCabe. 1,824,559; Sept. 22.
Lens system. P. Rudolph. 1,812,717; June 30.
Lens testing device. G. S. Johnston. 1,803,473; May 5.
Lens unit, Reflecting. C. C. Dodge. 1,807,472; May 26.
Lens, Wide angle. W. G. Wolfe. 1,802,100; Apr. 21.
Lenses and apparatus therefor, Manufacturing. F. J. G. B. Watson, E. Culver, and A. H. Emerson. 1,822,606; Sept. 8.
Lenses, Apparatus for grinding and polishing spherical. A. J. Holman. 1,827,748; Oct. 20.
Lenses of optical instruments, Preventing dew formation upon the. R. von Brockdorff. 1,791,254; Feb. 3.
Let-off mechanism for novelty fabric looms. J. Giardino. 1,822,696; Sept. 8.
Letter folding machine. R. N. Pierson and C. H. Carlson. 1,811,964; June 30.
Letterheads, Apparatus and process for printing. A. Rosenthal. 1,825,821; Oct. 6.
Letterpress, Method and apparatus for printing variable. G. Corse. 1,825,510; Sept. 29.
Letter sheet and envelope, Combined. W. Zabek. 1,794,223; Feb. 24.
Letter sheet or similar article. J. M. Smith. Des. 85,892; Dec. 29.
Lettering device. F. X. Malocsay. 1,792,233; Feb. 10.
Letters, figures, and signs for exhibition from aircraft. F. Neumeyer. 1,805,002; May 12.
Letters, Metallic. R. T. Keller. 1,830,112; Nov. 3.
Lettuce, Disposing of cull. H. Paxton. 1,819,480; Aug. 18.
Leuco compounds of the triaryl methane series, Oxidation of. K. Schmidt. 1,805,925; May 19.
Level. M. Dill. 1,818,843; Aug. 11.
Level, Adjustable. B. Atkinson. 1,792,266; Feb. 10.
Level, Adjustable. O. Marischal. 1,815,949; July 28.
Level, Adjustable. A. B. Walters. 1,830,009; Nov. 3.
Level and inclinometer, Combined. A. E. Best and J. C. Zook. 1,829,257; Oct. 27.
Level and pressure indicating mechanism, Combined liquid. H. Hastings. 1,822,735; Sept. 8.
Level and protractor, Combined. G. S. Wright. 1,802,131; Apr. 21.
Level, Axle. C. H. Phelps. 1,821,319; Sept. 1.
Level crossing gate. R. Daering. 1,827,782; Oct. 20.
Level, Extensible. F. Simon. 1,789,344; Jan. 20.
Level indicating apparatus, Distant liquid. J. P. Remington. 1,823,377; Sept. 15.
Level indicator. A. R. Le Bailly. 1,811,946; June 30.
Level indicator for liquid tanks. J. Paproth. 1,802,670; Apr. 28.
Level-indicator mechanism, Engine oil-. I. W. Brogger. 1,796,919; Mar. 17.
Level, Plumb. L. B. Ries and J. B. Dickerson. 1,820,365; Aug. 25.
Level, Spirit. L. B. Beecher and P. Ahern. 1,823,524; Sept. 15.
Level, Spirit. E. C. Chatham. 1,826,731; Oct. 13.
Level, Spirit. J. F. Weber. 1,821,534; Sept. 1.
Leveler. H. R. Lytle. 1,822,051; Sept. 8.
Leveling and finishing machine, Shoulder. E. S. Lucas. 1,821,843; Sept. 1.
Leveling attachment for thrashing and other machines. N. R. White. 1,787,807; Jan. 6.
Leveling device. H. S. Benjamin. 1,825,848; Oct. 6.
Leveling device. O. A. Stromer. 1,814,976; July 14.
Leveling device for elevators, Automatic. C. R. Callaway. 1,821,613; Sept. 1.
Leveling instrument. A. Langsner. 1,799,801; Apr. 7.
Leveling instrument. A. Langsner. 1,809,855; June 16.
Leveling instrument. W. C. Sherwood. 1,794,254; Feb. 24.
Leveling machine. A. F. Pym. 1,802,833; Apr. 28.
Leveling rod. A. Langsner. 1,788,771; Jan. 13.
Leveling rod. A. Langsner. 1,824,023; Sept. 22.
Leveling rod, Self computing. C. H. Mills. 1,811,859; June 30.
Lever. J. C. Brand. 1,806,783; May 26.
Lever action waste. R. H. Zinkil and O. C. Osterhage. 1,816,458; July 28.
Lever and bulb, Flush. R. R. Smith. 1,833,725; Nov. 24.
Lever booster. E. E. Wemp. 1,804,903; May 12.
Lever, Brake testing. W. H. Watrous. 1,809,087; June 9.
Lever connection. R. S. Sanford. 1,821,452; Sept. 1.
Lever detent mechanism. H. R. Traphagen. 1,824,515; Sept. 22.
Lever for cultivators and the like, Adjusting. B. T. Spry. 1,820,097; Aug. 25.
Lever for fountain pens. L. Morrison. Des. 83,908; Apr. 14.
Lever for loose leaf binders, Locking. C. H. Franz, jr. 1,801,956; Apr. 21.

Lever for planes, Clamping. C. H. Fox. 1,822,520; Sept. 8.
Lever for shaking grates. H. A. Hoke. 1,824,892; Sept. 29.
Lever for telescoping elements, Lock. J. Schade. 1,822,670; Sept. 8.
Lever for testing machine weighing systems. T. Olsen. 1,811,210; June 23.
Lever grip. A. C. Klopping. 1,818,992; Aug. 18.
Lever lock, Gear shift. E. C. Moulton. 1,818,241; Aug. 11.
Lever, Master. A. R. Locke. 1,826,079; Oct. 6.
Lever mechanism. H. B. Tarbox. 1,810,990; June 23.
Lever mechanism for interlocking machines. A. H. Maranda. 1,791,469; Feb. 3.
Lever mechanism for operating automobile clutch and brake pedals, Hand. F. P. Giuffrè. 1,833,458; Nov. 24.
Lever mechanism for tractor mowers. C. Pearson. 1,790,072; Jan. 27.
Lever mechanism, Gear shift. H. C. Lord. 1,824,090; Sept. 22.
Lever, Ratchet. N. F. McNaught and E. H. Peterson. 1,798,481–2; Mar. 31.
Lever, Skew. W. T. Reid. 1,825,285; Sept. 29.
Lever system. C. Chapuis and P. Dessaules. 1,787,666; Jan. 6.
Lever system for testing machines. W. C. Moran. 1,798,949; Mar. 31.
Library or book stack, Metallic. J. G. L. Skar. 1,821,990; Sept. 8.
License carrier and key ring, Combined. F. M. Greenwood. 1,795,555; Mar. 10.
License-plate and sign-display unit. A. G. Jasinski. 1,791,274; Feb. 3.
License plate apparatus for automobiles. O. S. Gropper. 1,792,635; Feb. 17.
License plate attaching device, Automobile. W. H. Carman and V. K. Davison. 1,830,348; Nov. 3.
License plate clamp. G. Kapp and J. T. Dillon. 1,797,091; Mar. 17.
License plate construction, Illuminated. G. J. Lapierre. 1,815,854; July 21.
License plate for motor vehicles, Day and night. J. M. Moore. 1,798,483; Mar. 31.
License plate for motor vehicles, Day and night. J. M. Moore. 1,809,524; June 9.
License plate, Illuminated. C. A. Carlson. 1,800,603; Apr. 14.
License plate, Illuminated. F. W. and W. L. Kuemmerlein. 1,792,018; Feb. 10.
License plates, Attachment for. J. R. Jones. 1,804,013; May 5.
Lid and lock therefor, Meter box. P. McAfee. 1,824,092; Sept. 22.
Lid, Box. A. A. Adamson. 1,814,071; July 14.
Lid construction, Cabinet-. A. C. Smith. 1,799,652; Apr. 7.
Lid device for frying pans, Absorbent. A. E. Zimmermann. 1,794,940; Mar. 3.
Lid for receptacles. J. F. Mullaney. 1,822,366; Sept. 8.
Lid for refrigerator cabinets. N. M. Vandegrift. 1,819,851; Aug. 18.
Lid, Journal box. H. J. Stewart. 1,801,462; Apr. 21.
Lid remover, Jar. J. L. Gowen. 1,838,141; Dec. 29.
Lid-retaining means, Egg-crate. I. O. Frye. 1,793,078; Feb. 17.
Lid, Tire-patch-container. C. F. Bezpalec. 1,797,816; Mar. 24.
Life belt. J. V. Abramowitz. 1,831,472; Nov. 10.
Life belt. S. D. Wills. 1,827,057; Oct. 13.
Lifeboat. C. I. Nielsen. 1,795,437; Mar. 10.
Lifeboat holding and releasing mechanism. G. R. Fennema. 1,796,648; Mar. 17.
Lifeboat-launching device. A. E. Hall. 1,799,847; Apr. 7.
Lifeboat-releasing device. W. M. Simms. 1,791,576; Feb. 10.
Life from drowning, Device for saving. L. K. Richey. 1,807,754; June 2.
Life preserver. M. Margolith. 1,798,479; Mar. 31.
Life preserver, Valve controlled. O. Hellrich. 1,811,847; June 30.
Life preserving device. F. Kogl.. 1,805,721; May 19.
Life saving and salvage apparatus for use with submarines. W. H. Mills. 1,803,944; May 5.
Life saving and salvaging device, Submarine. J. B. Foltz. 1,814,375; July 14.
Life-saving apparatus. H. E. McGee. 1,800,310; Apr. 14.
Life saving appliance. I. Wosk. 1,837,089; Dec. 15.
Life saving device. L. Bulgarini. 1,805,803; May 19.
Life saving device. G. F. Dillow. 1,824,198; Sept. 22.
Life-saving device. L. Paston. 1,796,762; Mar. 17.
Life saving device. D. Ward. 1,822,120; Sept. 8.
Life saving device. D. B. Zigtema. 1,834,885; Dec. 1.
Life saving equipment. P. E. Beagle. 1,833,199; Nov. 24.
Life saving means for ships. W. T. Marstrander. 1,801,516; Apr. 21.
Lift, Automatic. A. E. Krick. 1,833,292; Nov. 24.
Lift, Automobile. W. A. Box. 1,820,267; Aug. 25.
Lift, Combined screen and window. C. Greenblatt. 1,796,148; Mar. 10.
Lift device. N. Stevelman. 1,839,127; Dec. 29.
Lift, Hydraulic oil well. E. Curnutt. 1,815,399; July 21.
Lift mechanism, End door. J. J. Wallace. 1,809,537; June 9.

Lift mechanism for agricultural implements. B. W. Willig. 1,809,500; June 9.
Lifter: *See*—
Battery lifter
Can lifter.
Core lifter.
Cover lifter.
Jar lifter.
Pan lifter.
Plant lifter.
Plate lifter.
Smudge pot lifter.
Snow fence lifter.
Tank lifter.
Tool lifter.
Valve lifter.
Valve spring lifter.
Well casing lifter.
Window lifter.
Lifter. J. Hofstede. 1,801,860; Apr. 21.
Lifter and carrier device. Invalid. F. K. Davis. 1,823,425; Sept. 15.
Lifter and holder, Log. W. B. Parrish. 1,829,490; Oct. 27.
Lifter for automobile wheel rims, Wheel. L. E. Loomis and E. Root. 1,829,804; Nov. 3.
Lifter for baths, lavatories, and the like, Valve. R. Stöhr. 1,826,639; Oct. 6.
Lifter for corn picking machines, Plant. H. Synck. 1,833,137; Nov. 24.
Lifter for roasters, Cover. L. L. Kole. 1,808,357; June 2.
Lifting and lowering mechanism. J. C. Dawley. 1,799,581; Apr. 7.
Lifting and transferring device. W. S. Carmody. 1,805,653; May 19.
Lifting and transferring device. C. W. Nickerson. 1,817,264; Aug. 4.
Lifting and transporting device, Combined. W. C. Yentsch. 1,804,299; May 5.
Lifting apparatus for motor cars or other vehicles. A. E. Hedges. 1,823,449; Sept. 15.
Lifting appliance. G. E. Weaver and A. R. Squyer. 1,806,323; May 19.
Lifting device. R. E. Manley. 1,799,307; Apr. 7.
Lifting device. E. Oehmichen. 1,828,783; Oct. 27.
Lifting device. R. C. Penfield. 1,808,175; June 2.
Lifting device. W. Schroeder. 1,818,584; Aug. 11.
Lifting device. O. H. Schuh. 1,811,652; June 23.
Lifting device. J. Sylvester. 1,838,592; Dec. 29.
Lifting device. C. G. Weinreich. 1,807,361; May 26.
Lifting device, Automatic. A. H. E. Liberge. 1,794,306; Feb. 24.
Lifting hook. J. B. Chalmers. 1,836,576; Dec. 15.
Lifting jack. H. Albertine. 1,812,577; June 30.
Lifting jack. G. A. Bonge. 1,808,629; June 2.
Lifting jack. E. Bootz. 1,821,737; Sept. 1.
Lifting jack. F. L. Gormley. 1,798,878; Mar. 31.
Lifting jack. A. C. Hopkins. 1,807,914; June 2.
Lifting jack. A. L. Johnson. 1,822,970; Sept. 15.
Lifting jack. A. L. Johnson. 1,829,656; Oct. 27.
Lifting jack. J. Klee and A. Schneider. 1,833,082; Nov. 24.
Lifting jack. W. F. Krenzke. 1,829,662; Oct. 27.
Lifting jack. E. L. Leinbach. 1,809,979; June 16.
Lifting jack. E. Leipert. 1,789,106; Jan. 13.
Lifting jack. M. B. Lucker. 1,794,525; Mar. 3.
Lifting jack. J. J. Mizer. 1,791,828; Feb. 10.
Lifting jack. H. E. Newton. 1,825,702; Oct. 6.
Lifting jack. E. D. Paéz, jr. 1,806,413; May 19.
Lifting jack. C. J. Rodman and H. W. Clark. 1,791,975; Feb. 10.
Lifting jack. E. J. Van Fleet. 1,816,625; July 28.
Lifting jack, Electrically operated. I. V. K. Hott. 1,811,629; June 23.
Lifting-jack handle. W. F. Krenzke. 1,801,012; Apr. 14.
Lifting jack, Hydraulic. V. Jakob. 1,799,298; Apr. 7.
Lifting jack, Hydraulic. L. D. Nilson. 1,834,547; Dec. 1.
Lifting jack, Planetary gear operated. L. D. Nilson. 1,805,841; May 19.
Lifting jack, Traveling. G. A. Sexton. 1,813,429; July 7.
Lifting jack, Vehicle. A. Schneider. 1,802,840; Apr. 28.
Lifting machinery, especially for the ends of pivot bridges. F. Duwe. 1,807,780; June 2.
Lifting mechanism. I. V. K. Hott. 1,811,630; June 23.
Lifting mechanism for traversing hoists. G. A. Grab. 1,838,939; Dec. 29.
Ligature for reed instruments. W. Gemeinhardt. 1,801,421; Apr. 21.
Ligature holding and tying instrument. G. E. Bergman. 1,816,952; Aug. 4.
Light: *See*—
Aeo light.
Aisle light.
Automobile light.
Avigation light.
Beacon light.
Buoy light.
Dirigible light.
Electric flashlight.
Flash light.
Handle light.
Landing light.
Navigation light.
Night light.
Pistol light.
Running-board light.
Safety traffic light.
Signal light.
Tail and stop light.
Telephone light.
Theater light.
Vacuum tube light.
Vehicle light.
Wall light.
Light. G. Graff. Des. 84,077; May 5.
Light. J. D. Hudson. 1,824,208; Sept. 22.
Light aggregates, Apparatus for producing. H. H. Smith. 1,805,020; May 12.
Light and illuminating lamp, Combined safety. J. T. and E. T. Powell. 1,825,088; Sept. 29.
Light and signal switch. C. E. Olson. 1,835,894; Dec. 8.
Light and speech transmission device, Combined dome. J. J. McCarthy. Des. 84,789; Aug. 4.
Light and switch therefor, Portable physician's and dentist's. E. Vajda. 1,838,202; Dec. 29.
Light assembly, Retractable. H. A. Beilgard. 1,801,537; Apr. 21.
Light assembly, Show case. L. W. Kennedy. 1,827,022; Oct. 13.
Light bulb and manufacturing the same, Electric. J. A. Heany. 1,833,487; Nov. 24.
Light bulb, Electric-. N. Fabricant. Des. 83,153; Jan. 27.
Light bulbs, Apparatus for manufacturing electric. J. A. Heany. 1,833,488; Nov. 24.
Light cluster, Electric-. V. R. Despard and H. C. R. Popp. 1,797,607; Mar. 24.
Light condensing optical system. J. H. Emmerich. 1,821,623; Sept. 1.
Light control. F. Michelssen. 1,792,752; Feb. 17.
Light control, Automatic traffic. W. Jacobson and S. Schiller. 1,836,973; Dec. 15.
Light control device. E. Rupp. 1,823,703; Sept. 15.
Light control, Electric. 1,838,654; Dec. 29.
Light control for printers. G. Lowkrantz. 1,803,398; May 5.
Light control, Poultry. J. B. Harriman. 1,806,395; May 19.
Light control system. R. H. Ranger. 1,811,895; June 30.
Light controlling system, Automobile. G. Z. Michaels. 1,812,355; June 30.
Light-diffusing panels, Making. F. Collins. 1,795,294; Mar. 10.
Light directing means. S. E. Brown. 1,822,839; Sept. 8.
Light director, Vehicle. E. S. Timmons. 1,804,719; May 12.
Light fixture, Electric-. G. J. Henry and K. A. Sawin. 1,794,687; Mar. 3.
Light fixture, Electric-. I. Leviton. 1,790,933; Feb. 3.
Light fixture, Electric. G. E. McFadden. Des. 85,707; Dec. 8.
Light fixture, Electric. H. K. Wack. 1,810,507; June 16.
Light fixture, Electric-. B. L. Watkin. Des. 83,228; Feb. 3.
Light fixture hanger. F. C. Winkler. Des. 84,909; Aug. 18.
Light for airplanes and the like, Landing. C. W. Dake. 1,799,285–6; Apr. 7.
Light for airplanes, Running. E. A. Sipp. 1,790,251; Jan. 27.
Light for automobiles, Side. W. A. Rosenberger. 1,793,871; Feb. 24.
Light for automobiles, Side. M. E. Welch. 1,802,398; Apr. 28.
Light for automobiles, Stop. A. Kotlan. Des. 85,291; Oct. 6.
Light for gas burners, Self re-lighting pilot. H. A. Atwater. 1,820,724; Aug. 25.
Light for radiators, Novelty. J. Seegelken. 1,839,055; Dec. 29.
Light guard for motion picture projection machines. A. Dina. 1,820,054; Aug. 25.
Light indicating system and method. G. R. Fisher. 1,821,698; Sept. 1.
Light intensities, Measuring. W. Van B. Roberts. 1,822,061; Sept. 8.
Light intensities, System and apparatus for comparing. H. H. Sheldon. 1,834,905; Dec. 1.
Light mounting mechanism for automobiles, Dirigible guide. W. V. Van Etten. 1,812,418; June 30.
Light of different colors, Producing. G. Zecher. 1,792,347; Feb. 10.
Light or illumination, Apparatus for producing a varying. J. L. Baird. 1,800,044; Apr. 7.
Light projecting and dispersing device. G. Robinson and F. A. and L. A. Kmieske. 1,817,100; Aug. 4.
Light projection apparatus. G. B. Reed. 1,820,543; Aug. 25.
Light projection display apparatus. T. Wilfred. 1,825,497; Sept. 29.
Light projector. W. M. Cassetty, jr., F. L. Ross, and W. C. Alford. 1,815,831; July 21.
Light projector. T. P. Duncan, jr. 1,811,782; June 23.
Light projector. M. Exelmans. 1,826,927; Oct. 13.
Light projector. C. A. B. Halvorson, jr. 1,810,604; June 16.
Light projector. C. A. Halvorson, jr. 1,836,845; Dec. 15.
Light projector. W. D. Ryan. 1,815,801; July 21.
Light projector. W. G. Wood. 1,819,728; Aug. 18.
Light projector, Spot and flood. J. Levy. 1,806,906; May 26.
Light-ray projection apparatus. R. P. De Vault. 1,800,211; Apr. 14.
Light rays, Apparatus for projecting. E. W. Boerstler. 1,790,086; Jan. 27.
Light rays, Control of. S. A. Sollie. 1,787,647; Jan. 6.
Light rays from a cone of light, Arrangement for singling out parallel monochromatic. 1,792,046; Feb. 10.
Light reflecting device. H. J. Sauer. 1,834,647; Dec. 1.
Light relays, Method to control. F. Schroeter. 1,821,948; Sept. 8.
Light screen. J. W. Beattie. Des. 83,028; Jan. 13.
Light screen. H. W. Lawrence. Des. 84,995; Sept. 1.
Light sense, Apparatus for testing. W. Bauersfeld and H. Hartinger. 1,795,752; Mar. 10.
Light-sensitive bridges, Controlling the illumination of. P. S. Heaton. 1,789,230; Jan. 13.
Light sensitive device. H. E. Ives. 1,837,365; Dec. 22.

Light sensitive element. V. K. Zworykin. 1,807,056; May 26.
Light sensitive layer. M. P. Schmidt, W. Neugebauer, and R. Franke. 1,816,989; Aug. 4.
Light-sensitive layers by means of diazo compounds and the products obtainable thereby, Preparing. M. P. Schmidt and W. Spietschka. 1,811,029; June 23.
Light-sensitive layers, Process and appparatus for developing. E. Gronau. 1,798,414; Mar. 31.
Light-sensitive surfaces, Apparatus for copying on. A. Syhre. 1,795,185; Mar. 3.
Light signal. O. S. Field. 1,794,600; Mar. 3.
Light signal. O. S. Field. 1,835,150; Dec. 8.
Light signal. A. W. Fisher and W. B. Wells. 1,806,051; May 19.
Light signal. J. C. Mock. 1,802,568; Apr. 28.
Light signal apparatus, Gas. G. Dalen and S. A. Eskilson. 1,819,676; Aug. 18.
Light signal, Electric-. O. Schirm. 1,797,880; Mar. 24. 1,796,148; Mar. 10.
Light signal, Highway dual. W. R. Allen. 1,819,316; Aug. 18.
Light signal system for railroads. J. E. Willing. 1,824,186; Sept. 22.
Light source. T. W. Case. 1,788,355; Jan. 6.
Light source for photographic printing machines, Adjustable. R. S. Hopkins. 1,804,771; May 12.
Light switch, Signal-. C. F., R. M., and H. E. Nickell. 1,787,833; Jan. 6.
Light system, Time. T. H. Mapel. 1,816,686; July 28.
Light timing device, Parking. A. J. Farrar. 1,826,870; Oct. 13.
Light unit for reflected illumination. E. F. Guth. Des. 85,382; Oct. 20.
Light unit, Reflecting. W. V. Bergen and A. C. Shute. Des. 85,360; Oct. 13.
Light waves, Apparatus for producing. O. T. McIlvaine. 1,821,442; Sept. 1.
Lights, Directing means for automobile spot. A. Reese. 1,831,137; Nov. 10.
Lighter. L. C. Ament. 1,811,103; June 23.
Lighter. L. V. Aronson. 1,792,350; Feb. 10.
Lighter. A. M. Franklin. 1,830,967; Nov. 10.
Lighter. B. S. Franklin. 1,830,968; Nov. 10.
Lighter. R. R. Hutcheson. Des. 85,827; Dec. 22.
Lighter. G. Kollstede. Des. 84,526; June 30.
Lighter. A. Pollak. 1,800,957; Apr. 14.
Lighter. E. I. Rogers, jr. 1,822,505; Sept. 8.
Lighter. S. Segal. 1,793,515; Feb. 24.
Lighter. S. Segal. 1,834,007; Dec. 1.
Lighter. J. B. Stern and B. S. Franklin. 1,830,965–6; Nov. 10.
Lighter and the like, Gas. H. Christiansen. 1,835,142–3; Dec. 8.
Lighter and tray, Combined. M. W. McArdle. Des. 83,231; Feb. 3.
Lighter and watch, Combined cigar. L. F. Maisto. Des. 85,589; Nov. 17.
Lighter, Cigar. J. H. Cohen. Des. 84,463–4; June 23.
Lighter, Cigar. J. H. Cohen. 1,834,122; Dec. 1.
Lighter, Cigar. H. Esterow. 1,835,768; Dec. 8.
Lighter, Cigar. J. Sinko. 1,837,496; Dec. 22.
Lighter, Cigar. J. C. Stearns. 1,803,361; May 5.
Lighter, Cigar. F. E. Williams. 1,801,473; Apr. 21.
Lighter, Cigar. W. M. Wolf. Des. 84,451; June 16.
Lighter, Cigar and cigarette. L. D. Bell and J. C. Rombach. 1,819,319; Aug. 18.
Lighter, Cigar and cigarette. J. C. Fishel. 1,788,093; Jan. 6.
Lighter, Cigar and cigarette. I. Florman. Des. 84,736; July 28.
Lighter, Cigar and cigarette. H. B. Ivey. 1,826,789; Oct. 13.
Lighter, Cigar and cigarette. J. C. Rombach. 1,788,544; Jan. 13.
Lighter, Cigar and cigarette. S. Summer. 1,813,715; July 7.
Lighter, Cigar and cigarette. E. Worthington. Des. 85,073; Sept. 8.
Lighter, Cigar or cigarette. J. J. Liss. 1,818,724; Aug. 11.
Lighter, Cigarette. A. H. Fox. 1,836,312; Dec. 15.
Lighter, Cigarette. L. H. Offutt. 1,813,312; July 7.
Lighter, Cigarette. E. T. Patnaude. 1,792,924; Feb. 17.
Lighter, Cigarette and cigar. W. G. Bryant. 1,833,931; Dec. 1.
Lighter construction. L. V. Aronson. 1,800,334; Apr. 14.
Lighter construction. L. V. Aronson. 1,817,335; Aug. 4.
Lighter construction. L. V. Aronson. 1,828,887; Oct. 27.
Lighter, Electric cigar. H. Agatz. 1,810,065; June 16.
Lighter, Electric gas stove. R. C. Le Jeune. 1,831,126; Nov. 10.
Lighter, Electrical cigar. L. V. Lucia. 1,819,610; Aug. 18.
Lighter filling station. J. C. Griesemer. 1,813,398; July 7.
Lighter, Fire. B. K. Boyd and H. Kirsch. 1,802,626; Apr. 28.
Lighting fixture. G. H. Cole. 1,824,873; Sept. 29.
Lighting fixture. J. J. Desmond. 1,822,019; Sept. 8.
Lighting fixture. A. J. Hixon. 1,822,527; Sept. 8.
Lighting fixture. H. Schreibman. Des. 85,116; Sept. 15.
Lighter for burners. D. F. McFarland and R. E. Davis. 1,836,268; Dec. 15.
Lighter for gas burners and stoves. F. A. Rump. 1,826,576; Oct. 6.
Lighter, Gas. G. Davies, A. H. Ridge, and G. Royer. 1,811,306; June 23.
Lighter, Gas. H. W. Jones. 1,787,530; Jan. 6.
Lighter, Pipe. S. Yankauer. 1,834,756; Dec. 1.
Lighter, Pocket. W. J. Butler. 1,809,548; June 9.
Lighter, Pocket. H. L. Fischer. 1,820,131; Aug. 25.
Lighter, Pocket cigar. C. Hardy. 1,828,111; Oct. 20.
Lighter, Table. H. J. Goldblatt. Des. 84,472; June 23.
Lighter, Table. R. R. Hutcheson. Des. 84,335; June 9.
Lighters, Carbureting apparatus for. S. Rasmussen. 1,832,503; Nov. 17.
Lighters for coal or other fuel, Production of fire. E. B. Munchow. 1,817,458; Aug. 4.
Lighting apparatus. E. E. Holmqvist. 1,811,084; June 23.
Lighting apparatus. F. W. E. Richards. 1,790,557; Jan. 27.
Lighting apparatus, Shadowless. H. L. M. J. Bénard. 1,806,384; May 19.
Lighting appliance. L. C. Doane. 1,818,120; Aug. 11.
Lighting appliance. M. H. Greenewalt. 1,820,899; Aug. 25.
Lighting appliance. H. L. Logan. 1,799,304; Apr. 7.
Lighting arrangement for automobiles. J. W. Jackson. 1,816,224; July 28.
Lighting attachment for telephones, Dial-. R. and H. L. Gilreath. 1,799,742; Apr. 7.
Lighting bracket. J. Dym. 1,795,543; Mar. 10.
Lighting bracket. N. W. Hall. Des. 83,397; Feb. 17.
Lighting device. H. J. Flaherty. 1,792,292; Feb. 10.
Lighting device, Color. E. M. Jensen. 1,815,874; July 21.
Lighting device, Decorative. M. Goldman. 1,831,443; Nov. 10.
Lighting device for key rings. A. L. Jeanneret. 1,816,779; July 28.
Lighting device for retort stoves. M. Desek. 1,791,226; Feb. 3.
Lighting device, Piano. C. E. Cameron, jr. 1,805,973; May 19.
Lighting effecting device. A. C. Loewer. 1,811,723; June 23.
Lighting fixture. R. B. Benjamin. Des. 83,485; Feb. 24.
Lighting fixture. G. H. Cole. 1,797,050; Mar. 17.
Lighting fixture. J. M. Colucci. 1,791,886; Feb. 10.
Lighting fixture. L. C. Doane. 1,794,837; Mar. 3.
Lighting fixture. C. W. Flood, jr. Des. 83,530; Mar. 3.
Lighting fixture. C. W. Flood, jr. Des. 83,853; Apr. 7.
Lighting fixture. E. F. Guth. 1,791,126; Feb. 3.
Lighting fixture. R. Haley. 1,806,251; May 19.
Lighting fixture. H. Heile. 1,799,899; Apr. 7.
Lighting fixture. H. Heine. 1,818,252; Aug. 11.
Lighting fixture. A. Hempel. Des. 83,536; Mar. 3.
Lighting fixture. A. J. Hixon. 1,788,056; Jan. 6.
Lighting fixture. P. M. Hotchkin. 1,796,330; Mar. 17.
Lighting fixture. J. C. Lowry. Des. 84,251; May 26.
Lighting fixture. G. P. Norton. Des. 83,638; Mar. 10.
Lighting fixture. A. J. D. Ohm. Des. 84,589–90; July 7.
Lighting fixture. J. E. Primakow. Des. 84,648; July 14.
Lighting fixture. J. E. Primakow. Des. 85,443–5; Oct. 27.
Lighting fixture. F. W. Roettges. Des. 83,572; Mar. 3.
Lighting fixture. O. S. Strom. 1,803,568; May 5.
Lighting fixture. W. Symmes. 1,790,179; Jan. 27.
Lighting fixture. W. Symmes. 1,793,725; Feb. 24.
Lighting fixture. N. L. Ureles. 1,807,641; June 2.
Lighting fixture. W. S. Waters. 1,806,773; May 26.
Lighting fixture. C. G. Wing. Des. 83,935; Apr. 14.
Lighting fixture. C. G. Wing. Des. 84,122–3; May 5.
Lighting fixture. C. G. Wing. Des. 84,174; May 12.
Lighting fixture. C. G. Wing. Des. 85,628–9; Nov. 24.
Lighting fixture body or article of analogous nature. E. A. Walker. Des. 84,171; May 12.
Lighting-fixture bowl or similar article. N. Kopp. Des. 83,683; Mar. 17.
Lighting fixture bowl or similar article. N. Kopp. Des. 84,351; June 9.
Lighting fixture bowl or similar article. N. Kopp. Des. 85,384; Oct. 20.
Lighting fixture bracket. H. Tauber. Des. 83,288–90; Feb. 10.
Lighting fixture bracket or article of similar nature. F. W. Roettges. Des. 84,164; May 12.
Lighting fixture, Ceiling. B. Stange. Des. 84,763–5; July 28.
Lighting fixture construction. P. D. Phillips. 1,834,318; Dec. 1.
Lighting fixture, Dental. J. Hansen. Des. 84,780; Aug. 4.
Lighting fixture for mirrors, Adjustable. H. G. Corwin, G. D. Blair, and C. W. Gilman. 1,820,348; Aug. 25.
Lighting fixture, Highway. C. A. B. Halvorson. 1,813,800; July 7.
Lighting fixture member or article of similar nature. I. Rosenblatt. Des. 84,597; July 7.
Lighting fixture member or article of similar nature. G. E. Villaret. Des. 84,267–8; May 26.
Lighting fixture or article of similar nature. J. J. Blumenthal. Des. 83,187; Feb. 3.
Lighting fixture or article of similar nature. J. J. Blumenthal. Des. 84,069; May 5.
Lighting fixture or article of similar nature. J. J. Blumenthal. Des. 84,675; July 21.
Lighting fixture or article of similar nature. F. W. Roettges. Des. 84,957; Aug. 25.

Lighting fixture or article of similar nature. I. Rosenblatt. Des. 83,995–6; Apr. 21.
Lighting fixture or article of similar nature. I. Rosenblatt. Des. 84,372–3; June 9.
Lighting fixture or article of similar nature. W. Van Nessen. Des. 84,169; May 12.
Lighting fixture or the like. P. P. Schultz. Des. 83,471; Feb. 24.
Lighting fixture part. S. Perla. 1,805,996; May 19.
Lighting fixture, Semi-indirect. E. C. Gerard. 1,801,858; Apr. 21.
Lighting fixture, Signboard-. P. D. Phillips. 1,794,201; Feb. 24.
Lighting fixture strap or article of similar nature. G. E. Villaret. Des. 84,266; May 26.
Lighting fixture, Submarine. R. B. Everson. 1,788,509; Jan. 13.
Lighting fixture suspension loop or article of similar nature. I. Rosenblatt. Des. 83,994; Apr. 21.
Lighting fixture, Wall bracket electric. G. E. McFadden. Roettges. Des. 84,957; Aug. 25.
Lighting fixture wall bracket or article of analogous nature. B. Stange. Des. 84,762; July 28.
Lighting outfit, Portable electric. R. Eckstein. 1,818,884; Aug. 11.
Lighting plant for air port landing lights. V. Kolár. 1,817,827; Aug. 4.
Lighting plants, Control system for farm. T. W. Drury. 1,805,207; May 12.
Lighting post. W. Underwood. Des. 84,555; June 30.
Lighting system. W. W. Adams. 1,837,091; Dec. 15.
Lighting system. K. A. Simmon. 1,792,251; Feb. 10.
Lighting system, Automobile anti-glare. E. Germain. 1,818,126; Aug. 11.
Lighting system, Cove and other. P. M. Hotchkin. 1,817,034; Aug. 4.
Lighting system, Stage-. W. C. Gwynne. 1,799,789; Apr. 7.
Lighting system, Street-. D. D. Knowles. 1,788,111; Jan. 6.
Lighting unit. A. Y. Dodge. 1,805,690; May 19.
Lighting unit. C. A. B. Halvorson. 1,805,485; May 19.
Lighting unit. J. A. O'Neill. 1,837,989; Dec. 22.
Lighting unit. H. P. Smith. Des. 85,845; Dec. 22.
Lighting unit. O. Werner. 1,792,260; Feb. 10.
Lighting unit. O. Werner. 1,806,435; May 19.
Lighting unit, Head for a. C. F. Haas. Des. 83,105; Jan. 20.
Lighting unit, Inclosed. L. C. Doane. 1,830,263; Nov. 3.
Lighting unit, Push-on. J. C. Smith. 1,787,496; Jan. 6.
Lighting units, Focusing mechanism for. O. Werner. 1,790,185; Jan. 27.
Lighting units, Shock absorber for. A. J. Thompson. 1,802,589; Apr. 28.
Lightning arrester. C. M. Wray. 1,808,876; June 9.
Lightning arrester and making the same, Improved. J. R. McFarlin. 1,788,437; Jan. 13.
Lightning arrester or surge absorber. V. Z. de Ferranti. 1,794,590; Mar. 3.
Lightning rod point connection. L. M. Mershimer. 1,818,494; Aug. 11.
Lily pool tank. C. G. Watson. 1,825,894; Oct. 6.
Limb, Artificial. J. A. Collins. 1,804,915; May 12.
Limb, Artificial. L. L. Hoy. 1,818,893; Aug. 11.
Lime and magnesia, Separating and preparing. H. N. Barrett. 1,816,996; Aug. 4.
Lime and the like products, Hardening and water proofing composition for. D. M. Harrison. 1,829,746; Nov. 3.
Lime, Device for slaking. H. Spoerri. 1,832,148; Nov. 17.
Lime in oil, Producing a slurry of. E. E. Bartels. 1,823,582; Sept. 15.
Lime, Manufacturing chloride of. A. Carughi and C. Paoloni. 1,824,656; Sept. 22.
Lime, Producing. G. H. Hunt. 1,824,351; Sept. 22.
Lime-slacking machine. E. J. Shaut. 1,796,411; Mar. 17.
Limed bandage or ring for fruit trees and the like. C. Thorbecke. 1,790,605; Jan. 27.
Line and rack supported thereby, Oven. I. V. Brumbaugh. 1,800,052; Apr. 7.
Line and sheave means for use in connection with hoisting and hauling machines, Guy. K. Berger. 1,824,978; Sept. 29.
Line, Artificial. A. W. Horton, jr. 1,799,794; Apr. 7.
Line, Artificial. K. S. Johnson. 1,788,526; Jan. 13.
Line-casting machine. L. M. Walden. 1,830,146; Nov. 3.
Line changing reel. L. D. Barner and G. O. Shelander. 1,804,585; May 12.
Line coupling, Air train-. H. Johnson. 1,794,077; Feb. 24.
Line fastener. A. N. Abelson and M. T. Johnson. 1,821,601; Sept. 1.
Line finder, Automatic. C. D. Hevenor. 1,800,071; Apr. 7.
Line guide, Plumb. F. G. Baker. 1,824,321; Sept. 22.
Line or cable connecter. E. C. Smith. 1,814,609; July 14.
Line retriever. C. W. Huff. 1,790,666; Feb. 3.
Lineswitch driving arrangement for motor and hand operation. A. B. De Giorgi. 1,832,189; Nov. 17.
Line tightener. R. C. Sheckels and G. R. Carson. 1,792,468; Feb. 10.
Liner. C. J. Gates, jr., C. S. Nathan, and A. A. McDonough. 1,803,696; May 5.
Liner and divider for cartons. P. Walker. 1,812,126; June 30.
Liner, Auxiliary. F. E. Crotto. 1,798,311; Mar. 31.
Liner for the cylinders of reciprocating engines. W. Hefti. 1,836,798; Dec. 15.
Liner puller. J. J. Santiago. 1,804,843; May 12.
Lining and making same, Socket. L. D. Christie. 1,836,360; Dec. 15.
Lining and making the same, Shoe. M. J. McGrail. 1,814,528; July 14.
Lining apparatus, Receptacle closure. J. A. Johnson. 1,833,946; Dec. 1.
Lining, Automobile hood. R. J. Stephenson. 1,804,895; May 12.
Lining, Crucible furnace. H. E. White. 1,829,320; Oct. 27.
Lining, Cylinder. C. C. Pittman. 1,825,678; Oct. 6.
Lining for bearings. G. E. Larrabee. 1,832,488; Nov. 17.
Lining for caskets, Metallic. F. Newkirk. 1,794,793; Mar. 3.
Lining for containers, Laminated waterproof. R. E. Pierce. 1,834,802; Dec. 1.
Lining for hats. J. H. Erstein. 1,829,269; Oct. 27.
Lining for high temperature vessels, Metallic. S. T. McDermott. 1,825,154; Sept. 29.
Lining for hot tops. W. M. Charman. 1,804,205; May 5.
Lining for metal parts of oil-cracking apparatus. L. C. Huff. 1,799,234; Apr. 7.
Lining for railway and other brakes in general, Lava-earthenware or mineral friction element or. C. De Lukacsevics. 1,823,591; Sept. 15.
Lining for range oven, Special construction for. I. V. Brumbaugh. 1,807,470; May 26.
Lining for rubber articles. C. E. Bradley and C. D. Mason. Re18,058; May 5.
Lining for shoes, Protecting. P. L. Schönfeld. 1,794,035; Feb. 24.
Lining for tanks, Protective. J. Poberejsky. 1,804,274; May 5.
Lining, Furnace. H. W. Wildish. 1,813,790; July 7.
Lining machine, Compound. G. C. Erb. 1,798,407; Mar. 31.
Lining, Mold. J. B. Grenagle. 1,827,742; Oct. 20.
Lining, Protective. J. D. O'Brien. 1,806,494; May 19
Lining, Shoe. M. Feinstein. 1,833,564; Nov. 24.
Linings for shoes and the like. W. C. Bennett. 1,823,721; Sept. 15.
Linings, Making refractory. S. Westberg. 1,827,446; Oct. 13.
Linings or sleeves, Making bearing. B. Stockfleth. 1,803,513; May 5.
Lines, Apparatus for feeding. P. Okey. 1,810,143; June 16.
Lines on roads, tennis courts, and the like, Marking. W. T. Bell and J. F. Bennett. 1,837,099; Dec. 15.
Linear displacements and in photographical typesetting machines in connection with them, Mechanism for producing. E. Uher, jr. 1,812,276; June 30.
Lingerie clasp. L. V. Rooney. 1,808,436; June 2.
Lingerie pad. A. Adler. 1,816,714; July 28.
Link. T. W. Bell and T. C. Rogers. 1,806,733; May 26.
Link. A. J. Loepsinger. 1,816,017; July 28.
Link. J. Sneed. 1,824,450; Sept. 22.
Link and other dress fastening, Cuff. T. Morton. 1,833,585; Nov. 24.
Link, Artificial. A Pecorella. 1,792,183; Feb. 10.
Link body for jewelry purposes. H. Stockert. 1,829,880; Nov. 3.
Link conveyer. H. H. Harris. 1,787,980; Jan. 6.
Link conveyer. G. H. Kunz. 1,794,182; Feb 24
Link, Cuff. K. O. Gober. 1,837,039; Dec. 15.
Link, Cuff. J. D. Keillor. 1,815,624; July 21.
Link, Emergency repair. C. L. Hoff and G. G. Naugle. 1,803,187; Apr. 28.
Link for chain grate stockers. J. E. Trainer. 1,812,125; June 30.
Link, Forming a permanent connecting. N. Skillman. 1,817,529; Aug. 4.
Link, Frangible. I. W. Knight. 1,816,016; July 28.
Link, Fusible. R. H. Russell. 1,834,319; Dec. 1.
Link, Repair. P. McLoughlin. 1,798,849; Mar. 31.
Link, Replacement. J. O'F. Clark. 1,824,330; Sept. 22.
Link, Shock absorber connecting. G. H. Hufferd and M. P. Graham. 1,830,062; Nov. 3.
Link switch. C. M. Lefkowitz. 1,804,425; May 12.
Link, Tenter chain. W. A. Stelling. 1,822,676; Sept. 8.
Link, Tractor belt. C. A. Henneuse. 1,825,693; Oct. 6.
Linoleum edging. R. Corson. 1,790,618; Jan. 27.
Linoleum, Making. J. B. Thompson. 1,826,155; Oct. 6.
Linoleum, Manufacture of. A. A. Godfrey. 1,827,145; Oct. 13.
Linoleum, Manufacturing. F. M. Allen. 1,835,741; Dec. 8.
Linoleum or similar hard-surface floor covering. M. Amiel. Des. 83,842; Apr. 7.
Linoleum product and making same. M. S. McConoughey. 1,826,217; Oct. 6.
Linoleum, Tile. A. C. McKissock. 1,808,116; June 2.
Linoxyn or materials similar to linoxyn, Preparing. V. Scholz. 1,794,325; Feb. 24.
Linseed cake discharger. A. J. Johnson. 1,833,363; Nov. 24.
Lint collector. J. T. and L. J. La Measure. 1,792,313; Feb. 10.
Lintels to concrete spandrels, Attaching. A. C. Heitmann. 1,807,405; May 26.
Lip stick. J. L. McAtree. 1,794,385; Mar. 3.
Lip stick. W. Poranski. 1,793,192; Feb. 17.

Lip-stick mold. G. Morgan. 1,799,524; Apr. 7.
Lip turning and setting machine. F. Ricks and A. E. Richards. 1,799,320; Apr. 7.
Lipoids, Isolating active. H. Iscovesco. 1,796,027; Mar. 10.
Liquefaction apparatus. J. W. Davis and W. L. De Baufre. 1,823,388; Sept. 15.
Liquefiable constituents from a gaseous mixture, Process of and apparatus for separating desired. E. H. Leslie and E. M. Baker. 1,808,420; June 2.
Liquid agitator. M. S. Scofield. 1,797,622; Mar. 24.
Liquid-air engine. E. Landt. 1,798,126; Mar. 24.
Liquid and gas separator. C. O. Lee. 1,834,065; Dec. 1.
Liquid, Apparatus for deaerating. W. S. Elliott. 1,800,724; Apr. 14.
Liquid, Apparatus for delivering measured quantities of. J. Muller. 1,815,875; July 21.
Liquid, Apparatus for determining the frictional qualities of a. J. G. Dintilhac. 1,817,739; Aug. 4.
Liquid, Apparatus for evaporating. R. N. Ehrhart. 1,831,233–4; Nov. 10.
Liquid, Apparatus for storing. J. H. Wiggins. 1,810,741; June 16.
Liquid, Apparatus for successively distributing variable and adjustable quantities of any. J. Kiener. 1,818,225; Aug. 11.
Liquid atomizing and aerating device. P. L. Geer. 1,790,804; Feb. 3.
Liquid brake. W. Seipel. 1,799,872; Apr. 7.
Liquid carbonator. S. M. Dick. 1,816,144; July 28.
Liquid circulating plant. A. G. McGregor. 1,833,400; Nov. 24.
Liquid coating composition and making same. J. E. Booge. 1,825,935; Oct. 6.
Liquid control. J. W. Cuthbert. 1,793,064; Feb. 17.
Liquid cooling apparatus. H. H. Marshall. 1,826,253; Oct. 6.
Liquid cooler. H. E. Cann. 1,797,128; Mar. 17.
Liquid cooler. H. O. Lindgren. 1,822,534; Sept. 8.
Liquid cooler. H. W. Taylor and J. T. Smith. 1,802,396; Apr. 28.
Liquid cooler. G. W. Williams. 1,821,489; Sept. 1.
Liquid delivery line. R. P. Steckel. 1,838,290; Dec. 29.
Liquid-depth-indicating device. W. E. Bandemer. 1,789,166; Jan. 13.
Liquid depth indicating device. H. W. King. 1,816,932; Aug. 4.
Liquid, Depurating. A. Guadagnini. 1,798,792; Mar. 31.
Liquid dispenser, Portable. J. N. Schien. Des. 83,998; Apr. 21.
Liquid dispensing apparatus. C. H. Arnold. 1,820,931; Sept. 1.
Liquid dispensing apparatus. G. R. Bartlett. 1,802,324; Apr. 28.
Liquid dispensing apparatus. E. E. Brown. 1,830,693; Nov. 3.
Liquid dispensing apparatus. H. E. Frye. 1,836,313; Dec. 15.
Liquid dispensing apparatus. A. L. Grisé. 1,816,900–01; Aug. 4.
Liquid dispensing apparatus. H. F. Jackson and C. O. Straub. 1,819,330; Aug. 18.
Liquid dispensing apparatus. W. H. Parker and F. W. Delanoy. 1,816,609; July 28.
Liquid dispensing apparatus. M. Selig and W. Greenberg. 1,836,879; Dec. 15.
Liquid dispensing apparatus. W. S. Townsend. 1,816,623; July 28.
Liquid dispensing can. V. W. Thomson. 1,838,468; Dec. 29.
Liquid-dispensing device. J. L. Carson, jr. Des. 83,428; Feb. 24.
Liquid-dispensing device. A. E. Payson and M. P. Wetmore. 1,794,641; Mar. 3.
Liquid-dispensing machine, Coin-operated. R. E. Collins. 1,787,723; Jan. 6.
Liquid distributor. R. D. Simpson. 1,805,582; May 19.
Liquid distributor, Oscillatory. R. D. Simpson. 1,815,658; July 21.
Liquid dripping device. L. D. Crane. 1,824,394; Sept. 22.
Liquid electrode devices, Method of and apparatus for making. W. R. Walker. 1,831,935; Nov. 17.
Liquid elevating device. A. C. Wood. 1,817,052; Aug. 4.
Liquid elevator. E. Caretta. 1,799,086; Mar. 31.
Liquid feeding apparatus. I. Sablik. 1,816,025; July 28.
Liquid feeding device, Barometric. F. T. Williams and H. E. Ellis. 1,835,362; Dec. 8.
Liquid filling machine, Light. E. Scholz and E. J. Stalder. 1,835,676; Dec. 8.
Liquid-flow meter. E. Nuebling. 1,799,635; Apr. 7.
Liquid-flow switch. W. R. Walker. 1,791,945; Feb. 10.
Liquid from wells, Raising. N. H. Ricker. 1,836,873; Dec. 15.
Liquid from well tubing, Draining. P. H. Granger. 1,826,210; Oct. 6.
Liquid fuel burner. M. Good. 1,826,423; Oct. 6.
Liquid-fuel burner. M. Knupffer. 1,793,326; Feb. 17.
Liquid-fuel burner. C. F. Lambert. 1,791,727; Feb. 10.
Liquid-fuel burner. E. F. White. 1,791,181; Feb. 3.
Liquid fuel burner, Low pressure. S. E. Major and E. F. Baker. 1,803,067; Apr. 28.
Liquid-fuel system. C. L. Stokes. 1,797,485; Mar. 24.
Liquid gauge. J. J. Wilt. 1,794,815; Mar. 3.
Liquid gun or pistol. W. F. Schmidt. 1,817,769; Aug. 4.
Liquid handling means. E. W. Davis. 1,812,864; July 7.
Liquid heater. J. B. Dudley. 1,833,562; Nov. 24.
Liquid heater. A. C. Engelhart. 1,795,253; Mar. 3.
Liquid heater. H. D. Lathrop. 1,803,628; May 5.
Liquid heater, Electrical. H. H. Cushman. 1,834,269; Dec. 1.
Liquid heating apparatus. R. J. Wightman and C. N. Nellis, jr. 1,837,306; Dec. 22.
Liquid identification. F. C. Reilly. 1,787,995; Jan. 6.
Liquid-level control. C. W. Stratford and W. S. James.
Liquid level gauge. C. H. Cuno and S. L. Wolfson. 1,827,192; Oct. 13.
Liquid level gauge. G. G. Heghinian. 1,823,491; Sept. 15. 1,795,974; Mar. 10.
Liquid level gauge. C. Knobloch. 1,804,695; May 12.
Liquid level gauge. J. Kruft. 1,830,116; Nov. 3.
Liquid level gauge. H. Lundquist. 1,819,373; Aug. 18.
Liquid level indicating means for multiple cell storage batteries. E. L. Beecher. 1,821,958; Sept. 8.
Liquid level indicating system. J. D. Santakoff. 1,805,849; May 19.
Liquid level indicator. E. L. Beecher. 1,815,001; July 14.
Liquid level indicator. F. J. Brannen. 1,835,007; Dec. 8.
Liquid level indicator. M. E. Cheney. 1,835,995; Dec. 8.
Liquid level indicator. J. A. Dienner. 1,808,023; June 2.
Liquid-level indicator. C. A. de Giers. 1,791,489; Feb. 10.
Liquid level indicator. C. A. de Giers. 1,818,972; Aug. 18.
Liquid level indicator. H. Lundquist. 1,830,473; Nov. 3.
Liquid-level indicator. D. D. Myers. 1,792,754; Feb. 17.
Liquid level indicator. P. J. Seferlis. 1,801,643; Apr. 21.
Liquid level indicator, Thermoelectro. T. R. Harrison. 1,833,112; Nov. 24.
Liquid levels, Apparatus for controlling. H. M. Le Fever. 1,820,981; Sept. 1.
Liquid materials, Apparatus for screening. R. O. Wood and B. L. West. 1,810,935; June 23.
Liquid measure. H. B. Donley. 1,808,024; June 2.
Liquid measure. A. J. Frame. 1,808,029; June 2.
Liquid measuring and indicating means and bearing. M. J. Huggins. 1,792,641; Feb. 17.
Liquid measuring apparatus. B. T. Ballard and F. J. Gough. 1,813,834; July 7.
Liquid measuring system. A. T. Wakefield. 1,814,065; July 14.
Liquid measuring device. J. S. C. Marshall and G. S. Clayton. 1,834,628; Dec. 1.
Liquid meter. R. S. Bassett. 1,832,852; Nov. 24.
Liquid meter. M. Carbonaro. 1,808,734; June 2.
Liquid meter. J. W. Ledoux. 1,810,141; June 16.
Liquid meter. D. H. McGogy. 1,814,725; July 14.
Liquid, Noninflammable. G. O. Curme, jr. 1,817,893; Aug. 4.
Liquid or semiliquid materials, Atomizing or distribution of. E. Rotheim. 1,800,156; Apr. 7.
Liquid or semiliquid substances, Method and apparatus for whisking. J. W. and J. Morton. 1,801,101; Apr. 14.
Liquid, plastic, granular, and other similar substances, Device for measuring and depositing measured quantities of. J. Morton. 1,811,957; June 30.
Liquid pumping apparatus. J. Good and E. H. Olsen. 1,820,612; Aug. 25.
Liquid-purification apparatus. W. H. Foster. 1,800,517; Apr. 14.
Liquid purification system. C. C. Reynolds. 1,810,789; June 16.
Liquid purifying device. J. H. Stockholder. 1,813,687; July 7.
Liquid reagent feeder. C. E. Steere. 1,834,435; Dec. 1.
Liquid residue from vaporizers, Apparatus for maintaining a constant flow of variable. W. A. Peters, jr. 1,837,834; Dec. 22.
Liquid sampling device. W. H. Andrews. 1,838,729; Dec. 29.
Liquid sampling device. C. A. Berggren. 1,811,255; June 23.
Liquid screen, Revolving. B. Welser. 1,838,046; Dec. 22.
Liquid storage or tempering apparatus. H. Feldmeier. 1,817,978; Aug. 11.
Liquid substances, Determining the viscosity of. R. von Dallwitz-Wagner. 1,810,992; June 23.
Liquid-supply device. A. E. Krick. 1,793,809; Feb. 24.
Liquid supply system and oil burning apparatus incorporating same. M. Resek. 1,821,769; Sept. 1.
Liquid to be used as heat transferring medium. W. S. Sherman. 1,805,500; May 19.
Liquid trap, Sanitary. R. A. Greenwood. 1,810,240; June 16.
Liquid treating apparatus. H. Bergquist. 1,818,188; Aug. 11.
Liquid treating apparatus. O. I. Chormann and J. N. Jacobsen. 1,825,443; Sept. 29.
Liquid-treating apparatus and treating liquids. W. S. Elliott. 1,800,723; Apr. 14.
Liquid-treating method and apparatus. H. L. Shuldener. 1,796,407; Mar. 17.
Liquid treatment comb. J. Henige. 1,826,541; Oct. 6.
Liquid under pressure, Controlling flow of. G. M. Agee. 1,829,818; Nov. 3.
Liquid under pressure, Device for injecting. F. L. van Weenen. 1,806,770; May 26.
Liquid under pressure, Process and apparatus for utilizing the energy of a. H. S. Loud. 1,820,236; Aug. 25.

Liquid vending apparatus, Coin controlled. E. E. Rice. 1,815,740; July 21.
Liquid vending device. F. Drummond. 1,837,764; Dec. 22.
Liquids, Aeration of. H. E. Keyes. 1,823,831; Sept. 15.
Liquids and apparatus for accomplishing the same, Purifying. F. W. Isles. 1,838,029; Dec. 22.
Liquids and apparatus therefor, Evaporating. D. D. Peebles. 1,799,478; Apr. 7.
Liquids and for other purposes, Apparatus for emulsifying. H. L. Symons. 1,812,727; June 30.
Liquids and gases, Apparatus for and method of combining. S. G. Ketterer. 1,808,956; June 9.
Liquids and solids, Separation of. W. L. Spalding. 1,800,965; Apr. 14.
Liquids, Apparatus for aerating. M. A. Güggenbuhl. 1,799,295; Apr. 7.
Liquids, Apparatus for boiling. E. Altenkirch. 1,788,818; Jan. 13.
Liquids, Apparatus for carbonating and dispensing. P. C. Rudat. 1,838,286; Dec. 29.
Liquids, Apparatus for continuous clarification of. P. E. J. Gratama. 1,831,170; Nov. 10.
Liquids, Apparatus for desludging. H. H. Cannon. 1,804,743; May 12.
Liquids, Apparatus for dispensing. J. A. Bolton. 1,827,555; Oct. 13.
Liquids, Apparatus for distilling. F. N. Holmquist. 1,827,846; Oct. 20.
Liquids, Apparatus for distilling and coking heavy hydrocarbon. A. S. Knowles and C. W. Andrews. 1,805,720; May 19.
Liquids, Apparatus for evaporating and concentrating. M. J. Kermer. 1,791,317; Feb. 3.
Liquids, Apparatus for handling volatile. R. J. Anschicks. 1,815,342; July 21.
Liquids, Apparatus for heating. E. Darby. 1,809,744; June 9.
Liquids, Apparatus for indicating the consumption of. W. E. Favre. 1,833,832; Nov. 24.
Liquids, Apparatus for indicating the level of. A. Mohr. 1,819,655; Aug. 18.
Liquids, Apparatus for making precipitable the solids held in solution in. G. W. Gane. 1,789,738; Jan. 20.
Liquids, Apparatus for measuring the turbidity of. D. J. Middendorp. 1,803,269; Apr. 28.
Liquids, Apparatus for mixing. E. W. Butler and J. C. Mann. 1,809,672; June 9.
Liquids, Apparatus for pumping. E. R. Wolcott. 1,794,431; Mar. 3.
Liquids, Apparatus for pumping. E. R. Wolcott. 1,827,925; Oct. 20.
Liquids, Apparatus for purifying. C. J. Rodman and R. P. Dunmire. 1,836,338; Dec. 15.
Liquids, Apparatus for recording the delivery of measured quantities of. D. L. Wray and H. G. Chrismas. 1,812,576; June 30.
Liquids, Apparatus for the sterilization of. W. Matzka. 1,812,105; June 30.
Liquids, Apparatus for treating. J. Astrom. 1,789,961; Jan. 27.
Liquids, Apparatus for the treatment of hydrocarbonaceous. W. F. Bleecker. 1,837,519; Dec. 22.
Liquids, Apparatus for use in the analysis of volatile. V. Henri. 1,835,985; Dec. 8.
Liquids, coffee making, and the like, Apparatus for heating. H. K. Kouyoumjian. 1,831,013; Nov. 10.
Liquids, Coring freezing. H. E. Strunk. 1,833,502; Nov. 24.
Liquids, Desiccating. F. F. Pease. 1,794,978; Mar. 3.
Liquids from gases and apparatus therefor, Separating finely divided. W. H. Kniskern. 1,803,854; May 5.
Liquids from metallic drums, tins, and the like, Device for withdrawing. A. Howie and J. M. Henry. 1,795,430; Mar. 10.
Liquids, Heating. E. R. Case. 1,802,967; Apr. 28.
Liquids, Holding process for sterilizing or pasteurizing. R. Seligman. 1,792,328; Feb. 10.
Liquids in measured quantities, Apparatus for delivering. J. C. Ljungman. 1,791,452; Feb. 3.
Liquids in tanks, Indicating the height of. W. P. Dalrymple. 1,831,803; Nov. 17.
Liquids in tanks, Maintaining a substantially constant level of. E. E. Johnson. 1,794,962; Mar. 3.
Liquids in tanks or other containers, Apparatus for indicating the depth of. L. Murphy. 1,811,801; June 23.
Liquids in vacuum pans and the like, Apparatus for testing the density of. J. M. McClatchie. 1,801,168; Apr. 14.
Liquids, Method and apparatus for concentrating. H. W. Thompson. 1,831,892; Nov. 17.
Liquids, Method and apparatus for obtaining average samples and temperature of tank. R. B. Spikes. 1,828,753; Oct. 27.
Liquids, Method and apparatus for the treatment of. W. S. Elliott. 1,809,441; June 9.
Liquids, Method and apparatus for treating. J. R. McDermet. 1,830,764; Nov. 10.
Liquids, Method of and apparatus for the evaporation of. R. A. Stokes and E. G. L. Roberts. 1,788,352; Jan. 6.
Liquids, Mixing. E. W. Butler and J. C. Mann. 1,826,598; Oct. 6.
Liquids, Mixing. E. Johnson. 1,806,904; May 26.
Liquids obtained by subjecting pyrites cinder to chloridizing roasting and lixiviating the roasted material, Utilizing the. A. G. Sundberg. 1,800,761; Apr. 14.
Liquids of suspended matter and the like, Apparatus for cleaning. E. R. Schofield and R. Kramaroff. 1,801,111; Apr. 14.
Liquids on surfaces, Apparatus for applying thin even layers of. A. K. G. Hingst. 1,821,306; Sept. 1.
Liquids or liquefiable solids, Apparatus for regulating the flow of. A. T. Prentice. 1,793,747; Feb. 24.
Liquids, Process and appliance for fermenting sacchariferous. E. Stich. 1,792,450; Feb. 10.
Liquids, Process of and apparatus for drying. F. H. Douthitt. 1,829,477; Oct. 27.
Liquids, Purification and concentration of. W. G. Laird. 1,833,717; Nov. 24.
Liquids, Purification of. C. J. Rodman and R. P. Dunmire. 1,824,498; Sept. 22.
Liquids, Purifying dielectric. L. H. Clark. 1,829,712; Oct. 27.
Liquids, Removing scale matter from. G. S. Meeley. 1,831,075; Nov. 10.
Liquids, Safety control device for. A. W. Ferrin. 1,788,827; Jan. 13.
Liquids, Spraying. T. W. James. 1,827,583; Oct. 13.
Liquids, Sterilizing and pasteurizing. H. Stassano. 1,790,117; Jan. 27.
Liquids, Storage of volatile. S. T. Trezise. 1,808,618; June 2.
Liquids, such as mineral oils and the like, Fractionating. A. R. Earl and T. W. Reeves. 1,799,414; Apr. 7.
Liquids to moving bands of material, Process and device for the application of. J. J. F. Stock. 1,801,374; Apr. 21.
Liquids, Treating. J. J. Naugle. 1,794,916; Mar. 3.
Liquids under high vacuum, Refining hydrocarbon. W. W. Grimm. 1,832,202; Nov. 17.
Liquor for the production of sulphite cellulose, Preparing a. G. Haglund. 1,811,268; June 23.
Liquor for the production of sulphite pulp, Cooking. G. A. Richter. 1,821,322; Sept. 1.
Liquor from wood pulp digestors, Removing. E. Morterud. 1,836,862; Dec. 15.
Liquor in wood pulp digesters, Arrangement for the circulating of digesting. E.Morterud. 1,831,748; Nov. 10.
Liquor obtained in the soda pulp process, Treating black. Hägglund. 1,795,557; Mar. 10.
Liquor preparation system, Digesting and cooking. A. D. Merrill. 1,807,320; May 26.
Liquor, Production of sodium-carbonate. H. W. Morse. 1,791,281; Feb. 3.
Liquor spirit, Treating sulphite. M. Gade. 1,827,080; Oct. 13.
Liquor, Treating waste sulphite. G. C. Howard. Re18,268; Dec. 1.
Liquor, Treatment of black. L. Bradley and E. P. McKeefe. 1,821,138; Sept. 1.
Liquors and the recovery of ammonium salts and phenols from said liquors, Elimination of waste. W. R. Knapp. 1,823,364; Sept. 15.
Liquors containing alkali salts and organic matter, Regenerating. A. H. White. 1,801,945; Apr. 21.
Liquors, Distilling ammoniacal. F. W. Sperr, jr. 1,838,587; Dec. 29.
Liquors for treating substances to form colloid gels and preparing such liquors. R. G. Tellier. 1,839,061; Dec. 29.
Liquors from gas purification, Treatment of waste. H. McCormack. 1,831,968; Nov. 17.
Liquors, Purifying industrial waste. J. T. Travers. 1,824,936; Sept. 29.
Liquors, Purifying technical ammonium chloride. W. T. Grace. 1,823,097; Sept. 15.
Liquors, Recovering and utilizing the valuable compounds in spent cooking. G. A. Richter. 1,815,328; July 21.
Liquors, Recovery of crystallizable constituents from. R. W. Mumford. 1,790,436; Jan. 27.
Liquors, System and process of treating waste. D. D. Peebles. 1,797,585; Mar. 24.
Liquors, Treating alkaline. H. A. Curtis and R. L. Copson. 1,802,806; Apr. 28.
Liquors, Treatment of phenol-bearing. J. A. Shaw. 1,832,140; Nov. 17.
Liquors, Treatment of residual. L. Bradley and E. P. McKeefe. 1,833,313; Nov. 24.
Liquors, Treatment of waste. R. S. Jones and S. Pearson. 1,834,845; Dec. 1.
Lister. C. T. Peacock. 1,814,848; July 14.
Lister. W. H. Silver. 1,813,207; July 7.
Listing and checking machine. C. A. Berry. 1,787,715; Jan. 6.
Listing and checking machine. A. E. Gray. 1,835,390; Dec. 8.
Listing, counting, and printing machine. W. C. Bull. 1,799,408; Apr. 7.
Listing machine. O. D. Johantgen. 1,788,916; Jan. 13.
Literation upon bottles, Saddling. F. S. Newbery. 1,815,268; July 21.
Lithographer's glass. E. A. Zeh. 1,803,519; May 5.
Lithographer's squaring-up device. F. W. Danat. 1,831,381; Nov. 10.
Lithographic plate and process of preparation. M. Beebe and H. V. Herlinger. 1,820,593; Aug. 25.
Lithogprahic printing machine. A. J. Graf. 1,836,023; Dec. 15.

Lithographs with notches for centering, Providing mounted. J. Regenstein. 1,822,373; Sept. 8.
Lithopone and making same. M. L. Hanahan. 1,826,131; Oct. 6.
Lithopone and preparing same. J. E. Booge. 1,818,190; Aug. 11.
Lithopone, Light resistant. J. A. Singmaster and H. S. Colton. 1,826,153; Oct. 6.
Lithopone manufacture. H. H. Morris. 1,822,933; Sept. 15.
Lithopone. Manufacture of. C. W. Farber. 1,817,183; Aug. 4.
Lithopone-oil pulp or paint mixtures, Preparation of. J. F. Broeker. 1,832,476; Nov. 17.
Lithopone pigment suitable for flat wall paints and enamels. M. L. Hanahan. 1,826,132; Oct. 6.
Lithopone, Producing improved. W. J. O'Brien. 1,836,275; Dec. 15.
Lithopone, Soft textured. F. G. Breyer. 1,832,355; Nov. 17.
Lithopones of high zinc sulphide content, Making. T. G. Stephens. 1,822,911; Sept. 15.
Litter remover. F., H. W., and A. F. Johnson. 1,827,236; Oct. 13.
Liver extract for secondary anemia and making it. G. B. Walden. 1,813,788; July 7.
Livestock for conveyance in transport vehicles, Packing. E. F. Mitchell. 1,824,225; Sept. 22.
Load bar. E. W. Bereit. 1,833,514; Nov. 24.
Load blocking device for freight cars and the like. R. W. Barrett. 1,813,269; July 7.
Load blocking device for freight cars and the like. R. W. Barrett. 1,838,472; Dec. 29.
Load bracing device. C. A. Chandler. 1,825,992; Oct. 6.
Load brake, Automatic mechanical. J. S. Townsend. 1,795,058; Mar. 3.
Load brake for hoists. W. H. Juergens. 1,821,838; Sept. 1.
Load brake, Variable. S. G. Down. 1,824,039; Sept. 22.
Load brake, Variable. T. H. Thomas. 1,832,920; Nov. 24.
Load brake, Variable-. U. A. Whitaker. 1,793,573; Feb. 24.
Load carrying and launching device. A. D. McKenzie. 1,827,534; Oct. 13.
Load engaging device. B. F. Fitch. 1,802,888; Apr. 28.
Load-handling mechanism. E. H. Remde. 1,795,443; Mar. 10.
Load-handling mechanism. E. H. Remde. 1,796,397; Mar. 17.
Load handling method and apparatus. E. J. Abbe. 1,813,597; July 7.
Load indicator for spring vehicles. T. J. Walsh. 1,787,884; Jan. 6.
Load lifting device, Hand operated. J. Bates. 1,815,825; July 21.
Load limiting method and apparatus. R. Mayne. 1,808,563; June 2.
Load-regulating means. C. O. Guernsey. 1,799,096; Mar. 31.
Load securing device. G. C. Fedderman and G. W. Marlin. 1,816,897; Aug. 4.
Loader. H. H. Barber. 1,821,536; Sept. 1.
Loader. F. H. Kraus. 1,815,780; July 21.
Loader, Alfalfa. L. F. Sommerfeld. 1,834,477; Dec. 1.
Loader and car unloader, Combination portable. G. P. Ball. 1,793,987; Feb. 24.
Loader and excavator, Wagon. R. C. Haiss. 1,790,810; Feb. 3.
Loader and stacker, Vacuum. E. S. Hayes. 1,800,385; Apr. 14.
Loader and unloader machine, Egg. M. Kasser. 1,798,608; Mar. 31.
Loader, Automatic. W. W. Sayers. 1,814,769; July 14.
Loader, Automatic ash truck. J. Goodman. 1,820,698; Aug. 25.
Loader, Coal. P. E. Smith. 1,818,168; Aug. 11.
Loader for muzzle-loading mortars, Mechanical. L. M. McBride. 1,827,031; Oct. 13.
Loader, Hand portable gutter manure. H. F. Fuerstenau. 1,788,995; Jan. 13.
Loader, Hay. J. Grafmiller. 1,806,875; May 26.
Loader, Hay. D. A. Willerton. 1,799,033; Mar. 31.
Loader, Incubator egg tray. W. F. Hillpot. 1,808,552; June 2.
Loader, Manure. E. H. Donnan. 1,798,315; Mar. 31.
Loader, Manure. R. H. Frisbie. 1,788,097; Jan. 6.
Loader, Manure. R. H. Frisbie. 1,805,818; May 19
Loader, Open retort crate. M. S. Canday. 1,825,048; Sept. 29.
Loader, Oven. F. A. Hoppe and J. Cryns. 1,826,885; Oct. 13.
Loader particularly for use in mines, Mechanical. A. Y. Hoy. 1,796,459; Mar. 17.
Loader, Stuffing box. F. H. Brown. 1,822,562; Sept. 8.
Loader, Wagon. W. H. Bosworth. 1,790,789; Feb. 3.
Loader, Wagon. W. H. Bosworth. 1,810,069; June 16.
Loader, Wagon. R. C. Haiss. 1,790,811; Feb. 3.
Loaders, Feeder for bucket. H. H. Barber. 1,817,474; Aug. 4.
Loading and transporting device. A. H. de Rocher. 1,793,545; Feb. 24.
Loading and unloading device. D. E. Gray. 1,818,475; Aug. 11.
Loading and unloading device. B. A. Moore. 1,804,266; May 5.
Loading and unloading means for fluid compressors. F. H. Parke. 1,793,633; Feb. 24.
Loading apparatus. C. E. Davis. 1,791,662; Feb. 10.
Loading apparatus. G. V. R. Rodriguez. 1,808,995; June 9.
Loading apparatus. E. G. Stone and H. M. Rutherford. 1,797,558; Mar. 24.
Loading apparatus, Material. F. M. McClure. 1,822,598; Sept. 8.
Loading block. C. B. Parsons. 1,819,967; Aug. 18.
Loading chute, Car-. F. and F. Pardee, jr. 1,788,202; Jan. 6.
Loading deck for automobiles. S. Hice. 1,807,529; May 26.
Loading device. H. K. Boling. 1,834,822; Dec. 1.
Loading device. G. M. Kilcarr. 1,834,787; Dec. 1.
Loading device. J. F. Rebuck. 1,794,321; Feb. 24.
Loading device for automobile vehicles. H. F. Deutscher and J. C. Bolton. 1,802,409; Apr. 28.
Loading device for machine tools. F. H. Bogart. 1,817,669; Aug. 4.
Loading device for view-taking cinematographic apparatus. A. N. Merle. 1,829,103; Oct. 27.
Loading equipment. H. L. Williams. 1,838,975; Dec. 29.
Loading limiting device. F. Hodgkinson. 1,826,884; Oct. 13.
Loading machine. F. E. Christopher. 1,832,965; Nov. 24.
Loading machine. F. A. Halleck. 1,811,927; June 30.
Loading machine. F. A. Halleck. 1,834,587; Dec. 1.
Loading machine. R. E. Jenkins. 1,819,515; Aug. 18.
Loading machine. W. K. Liggett. 1,808,421; June 2.
Loading machine. E. C. Morgan. 1,790,279; Jan. 27.
Loading machine. C. A. Pratt. 1,796,943; Mar. 17.
Loading machine. M. Strom and O. Jager. 1,799,710; Apr. 7.
Loading machine. W. H. Wineman. 1,834,584; Dec. 1.
Loading machine, Corn-. F. Wolf. 1,799,543; Apr. 7.
Loading mechanism for trucks and other carriers. G. Grimm. 1,813,158; July 7.
Loading skip. R. A. Beckwith. 1,787,716; Jan. 6.
Loading-spout device. H. G. Onstad. 1,791,371; Feb. 3.
Loads in railway cars and the like, Preventing shifting of. J. B. Chalmers. 1,820,829; Aug. 25.
Loaf forming machine. G. Rausch. 1,824,408; Sept. 22.
Loaf molder feeding device. E. T. Parsons. 1,801,286; Apr. 21.
Loaf forming machine. G. Rausch. 1,805,706; May 19.
Local distant switch for super-heterodyne receivers. H. C. Allen. 1,821,780; Sept. 1.
Locater and recovery for sunken vessels, Automatic. W. O. Morey. 1,811,241; June 23.
Locator for lost ships. G. W. Paulson. 1,836,495; Dec. 15.
Lock: *See*—

Antitheft lock.
Aroma tight lock.
Auto ignition lock.
Automobile hood lock.
Automobile lock.
Bank lock.
Bicycle lock.
Bolt lock.
Bottle lock.
Box lock.
Burglar-proof lock.
Cam snap lock.
Cap lock.
Casement lock.
Centering lock.
Chain lock.
Closure lock.
Coach lock.
Coincidental lock.
Coin control lock.
Coin-controlled lock.
Combination lock.
Crib lock.
Cylinder lock.
Desk drawer lock.
Dial telephone lock.
Door lock.
Electrical lock.
Emergency lock.
Envelope lock.
Fastener lock.
Gas lock.
Gas tank lock.
Gauge lock.
Gear shift lock.
Hood lock.
Ignition lock.
Joint chair and rail lock.
Joint lock.
Key lock.
Keyhole lock.
Keyless lock.
Knob lock.
Knob or handle lock.
Laminate lock.
Latch lock.
Lever lock.
Lock-switch mechanism.
Mortise bolt lock.
Motor lock.
Nut lock.
Oar lock.
Permutation lock.
Push button window lock.
Rim and tire lock.
Safety lock.
Safety tubing lock.
Sash lock.
Screw lock.
Shipper and gear casing lock.
Socket lock.
Spare-tire lock.
Spare wheel lock.
Spindle lock.
Spring lock.
Spring nut lock.
Starter mechanism lock.
Steering-post lock.
Submarine air lock.
Suit case lock.
Switch lock.
Switch stand lock.
Table lock.
Tank lock.
Telephone dial lock.
Tire and wheel lock.
Tire carrier lock.
Tire-chain lock.
Tire lock.
Trailer wheel lock.
Transmission and ignition lock.
Tumbler lock.
Turntable lock.
Two hand lock.
Umbrella lock.
Unit lock.
Valve lock.
Vehicle lock.
Vise grip lock.
Voting-machine lock.
Wheel, rim, and tire lock.
Wheel rim lock.
Window lock.

Lock. W. Aaltonen. 1,836,425; Dec. 15.
Lock. G. A. Añez Añez. 1,816,951; Aug. 4.

Lock. A. de Armas y Manrique and F. G. del Valle. 1,789,171; Jan. 13.
Lock. R. L. Bache. 1,797,937; Mar. 24.
Lock. O. Banker. 1,811,291; June 23.
Lock. R. L. Benson. 1,794,055; Feb. 24.
Lock. J. C. Breker. 1,835,691; Dec. 8.
Lock. S. F. Briggs. 1,826,649; Oct. 6.
Lock. C. C. Cartia. 1,822,611; Sept. 8.
Lock. C. V. Doyle. 1,810,468; June 16.
Lock. J. Friedman. 1,810,760; June 16.
Lock. W. Ganz. 1,790,656; Feb. 3.
Lock. W. Ganz. 1,796,517; Mar. 17.
Lock. O. Harders. 1,793,440; Feb. 17.
Lock. F. S. Hardy. 1,796,098; Mar. 10.
Lock. W. F. Hausmann. 1,821,155; Sept. 1.
Lock. J. Hines. 1,820,565; Aug. 25.
Lock. J. Hines. 1,833,994; Dec. 1.
Lock. N. B. Hurd. 1,788,834; Jan. 13.
Lock. N. B. Hurd. 1,795,859; Mar. 10.
Lock. N. B. Hurd. 1,829,713; Oct. 27.
Lock. N. B. Hurd. 1,837,441; Dec. 22.
Lock. E. N. Jacobi. 1,789,754; Jan. 20.
Lock. E. N. Jacobi. 1,789,756; Jan. 20.
Lock. E. N. Jacobi. 1,797,725; Mar. 24.
Lock. E. N. Jacobi. 1,831,118; Nov. 10.
Lock. E. N. Jacobi. 1,835,304; Dec. 8.
Lock. T. H. Joseph. 1,813,240; July 7.
Lock. T. Kromer. 1,803,531; May 5.
Lock. G. Lality and N. Karpati. 1,829,596; Oct. 27.
Lock. H. Lande. 1,816,259; July 28.
Lock. M. Leventhal. 1,791,900; Feb. 10.
Lock. M. Leventhal. 1,813,302; July 7.
Lock. F. Lindquist and O. L. Nave. 1,814,938; July 14.
Lock. P. Markovich. 1,832,134; Nov. 17.
Lock. R. Metz and W. J. Quirk. 1,805,779; May 19.
Lock. J. C. Ralls. 1,828,544; Oct. 20.
Lock. A. B. Russ and R. W. Hepler. 1,789,775; Jan. 20.
Lock. W. Schlumpf. 1,804,955; May 12.
Lock. S. Segal. 1,796,221; Mar. 10.
Lock. S. Segal. 1,812,988; July 7.
Lock. O. A. Shann. 1,793,254; Feb. 17.
Lock. J. H. Shaw. 1,804,956; May 12.
Lock. M. Sheinman. 1,814,771; July 14.
Lock. L. B. Shinn. 1,805,891; May 19.
Lock. W. C. Shinn. Re17,936; Jan. 20.
Lock. E. B. Stone. 1,792,403; Feb. 10.
Lock. F. J. Sullivan. 1,796,490; Mar. 17.
Lock. G. R. Terrill. 1,814,646; July 14.
Lock. A. Wartian. 1,800,707; Apr. 14.
Lock. J. M. Weaver. 1,838,340; Dec. 29.
Lock. H. Weissenboeck. 1,792,949; Feb. 17.
Lock. J. J. Wharam. 1,821,130; Sept. 1.
Lock. S. Wise. 1,814,356; July 14.
Lock. W. E. Wread. 1,835,130; Dec. 8.
Lock and catch, Combined. I. S. Keeler. 1,799,908; Apr. 7.
Lock and cover, Faucet. E. E. Cooper. 1,817,802; Aug. 4.
Lock and door operating mechanism. L. J. White and J. A. Pegues. 1,836,697; Dec. 15.
Lock and door operating mechanism. L. J. White and D. F. Youngblood. 1,836,698; Dec. 15.
Lock and fastener, Window. C. N. Wizek. 1,837,604; Dec. 22.
Lock and key therefor, Tumbler. J. A. Muzzio. 1,832,498; Nov. 17.
Lock and latch mechanism. E. Flagg. 1,788,287; Jan. 6.
Lock and the like, Ignition. I. D. Perry. 1,828,747; Oct. 27.
Lock assembly for vehicles. J. B. Flyn. 1,811,004; June 23.
Lock chuck for stopers. G. M. Nell. 1,832,470; Nov. 17.
Lock, Closure. H. J. Hansen. 1,807,033; May 26.
Lock construction. W. C. Devereaux. 1,807,778; June 2.
Lock construction. J. Fetyk. 1,824,045; Sept. 22.
Lock cylinder, Pneumatic door. H. D. Mallison. 1,813,943; July 14.
Lock device for dial telephones. E. I. Landress. 1,835,064; Dec. 8.
Lock for an artificial leg, Knee. J. H. Jepson. 1,834,491; Dec. 1.
Lock for automobile tires, wheels, and other devices. C. Ferro. 1,805,083; May 12.
Lock for automobiles. E. H. Webb and C. C. Berry. 1,822,681; Sept. 8.
Lock for automobiles, Hood. W. Kannenberg. 1,839,035; Dec. 29.
Lock for automobiles, Ignition-switch. F. W. Andrew. 1,796,976; Mar. 17.
Lock for bedsteads and the like, Side rail. W. H. Parry, sr. 1,827,330; Oct. 13.
Lock for bottle refrigerators. C. A. Frick. 1,812,826; June 30.
Lock for collapsible cots. W. Secunda. 1,823,768; Sept. 15.
Lock for demountable rims. J. N. Burkle. 1,801,952; Apr. 21.
Lock for door latches, Permutation. G. D. Full. 1,816,575; July 28.
Lock for doors, Safety. M. F. Ruiz. 1,804,277; May 5.
Lock for electric fans, Support. C. Ringwald. 1,814,854; July 14.
Lock for firearms, Safety. A. R. Brinkerhoff. 1,807,727; June 2.
Lock for fire plug caps. W. Modra. 1,837,881; Dec. 22.
Lock for folding doors. T. Laurent. 1,805,249; May 12.
Lock for gas cocks, Safety. D. Selkow. 1,798,039; Mar. 24.
Lock for gas valve, Safety. S. A. Wilde. 1,806,775; May 26.
Lock for heads of Knowles looms. P. C. Hering. 1,834,310; Dec. 1.
Lock for jarring rollover molding machines, Automatic. J. T. Ramsden. 1,813,509; July 7.
Lock for lamp sockets. R. H. Olley. 1,796,118; Mar. 10.
Lock for liquid dispensing apparatus, Safety. L. Gusmus. 1,817,409; Aug. 4.
Lock for loom reversing mechanism, Protective. L. M. Rogers. 1,810,679; June 16.
Lock for motor cars, Mechanism. A. M. Craig. 1,800,678; Apr. 14.
Lock for necklaces. C. Madsen. 1,794,384; Mar. 3.
Lock for pairs, Cover. V. P. Wendle. 1,791,180; Feb. 3.
Lock for plows, Caster wheel. A. A. Scarlett. 1,815,332; July 21.
Lock for poultry cars, Compartment. I. V. Edgerton. 1,818,052; Aug. 11.
Lock for printers' forms, Page. H. B. Ohlson. 1,823,060; Sept. 15.
Lock for producing purl work on flat knitting machines. E. O. Born. 1,828,240; Oct. 20.
Lock for railroad rails, Splice. D. J. McGuigan. 1,832,230; Nov. 17.
Lock for rod couplings. W. K. Edwards. 1,808,299; June 2.
Lock for roller beds, Safety. G. W. Barnes. 1,812,853; July 7.
Lock for screens and storm windows, Cam. H. L. Johnson and J. H. Grant. 1,804,877; May 12.
Lock for spare rims. S. Wise. 1,832,076; Nov. 17.
Lock for tilting body. L. E. Williams. 1,816,882; Aug. 4.
Lock for tilting bodies, Automobile. C. G. Clement. 1,811,995; June 30.
Lock for track doors. E. M. Johnson. 1,823,104; Sept. 15.
Lock for vehicles, Door. S. Armitage. 1,826,117; Oct. 6.
Lock for vulcanizers, Fluid. E. Hutchens. 1,801,555; Apr. 21.
Lock for vulcanizers, Fluid. J. C. Jennejohn. 1,801,605; Apr. 21.
Lock for window blinds, Cable. W. E. Rosel. 1,804,811; May 12.
Lock for window sashes, Burglarproof. G. Rudder. 1,799,480; Apr. 7.
Lock for window screens and the like. I. Abrams and I. Sager. 1,813,652; July 7.
Lock frame. M. Leventhal. Des. 85,702; Dec. 8.
Lock frame or similar article. M. Leventhal. Des. 83,114; Jan. 20.
Lock hook. C. G. H. Deppe. 1,814,900; July 14.
Lock joint folding attachment for cigar enveloping machines. F. C. Gladeck. 1,805,693; May 19.
Lock key. J. H. Shaw. 1,821,361; Sept. 1.
Lock means, Nut. H. D. Campbell. 1,801,846; Apr. 21.
Lock mechanism. C. L. Johnson. 1,801,628; Apr. 21.
Lock mechanism. E. E. Neal. 1,821,567; Sept. 1.
Lock mechanism. H. J. Gordon. 1,823,650; Sept. 15.
Lock mechanism, Drawer. C. E. Tannewitz. 1,829,770; Nov. 3.
Lock nut. A. d'Halloy. 1,820,965; Sept. 1.
Lock-operating mechanism. H. T. Thomas. 1,787,803; Jan. 6.
Lock or coupling, Safety. W. H. Bryant. 1,834,678; Dec. 1.
Lock replacer, Split-. J. Sunnen. 1,789,482; Jan. 20.
Lock ring C. H. Cleveland. 1,820,268; Aug. 25.
Lock seal bag. A. C. Strayer. 1,803,217; Apr. 28.
Lock-stitch machines, Bobbin-thread pull-off for. W. N. Parkes. 1,792,237; Feb. 10.
Lock switch. H. E. Norviel. 1,806,307; May 19.
Lock-switch mechanism. J. R. Bingaman. 1,798,186; Mar. 31.
Lock switch, Railroad. A. N. F. Mohr. 1,816,337; July 28.
Lock transmission, Marine gear-. W. L. Mantha. 1,800,946; Apr. 14.
Lock up for rolls. H. A. W. Wood. 1,816,948; Aug. 4.
Lock washer. H. D. Bowman. 1,801,999; Apr. 21.
Lock washer. W. Dieter. 1,810,644; June 16.
Lock-washer. J. M. Gribbie. 1,824,991; Sept. 29.
Lock washer. R. T. Hosking. Re18,227; Oct. 20.
Lock washer. N. R. Lillig. 1,821,312; Sept. 1.
Lock washer. N. R. Lillig. 1,834,247; Dec. 1.
Lock washer, Spring nut-. A. E. H. Barili. 1,793,453; Feb. 24.
Lock washer untangling device. A. O. Brooke. 1,812,468; June 30.
Lock with annular grooves, Cylinder. J. Croning. 1,797,075; Mar. 17.
Lock with toggle-lever driving mechanism for the switch rod, Switch. E. Besag. 1,798,058; Mar. 24.
Locker. E. D. Kaser. 1,791,134; Feb. 3.
Locker. J. K. Reed. 1,789,083; Jan. 13.
Locker. W. N. Vance. 1,817,785; Aug. 4.
Locker hook. W. N. Vance. 1,798,768; Mar. 31.
Locking and operating mechanism. Cell door. L. J. White and G. L. Youngblood. 1,836,696; Dec. 15.
Locking and operating mechanism, Door A. Perlman. 1,828,721; Oct. 20.

Locking and releasing mechanism for centrifugal extractors, Cover. M. Romanske. 1,829,811; Nov. 3.
Locking and sealing device for container openings. H. E. Lake. 1,820,949; Nov. 10.
Locking and unlocking mechanism, Gripper. C. C. Alvord. 1,829,326; Oct. 27.
Locking apparatus for doors. C. E. Finkenbinder. 1,819,410; Aug. 18.
Locking apparatus, Selective. C. R. Beall. 1,795,420; Mar. 10.
Locking attachment for windows. J. Grutel. 1,794,171; Feb. 24.
Locking bar for bushings. L. E. Zerbe. 1,825,930; Oct. 6.
Locking clasp. J. Schierer. 1,807,557; May 26.
Locking cooperating threaded element. J. B. Ladd. 1,809,301; June 9.
Locking device. H. T. Anderson. 1,798,578–9; Mar. 31.
Locking device. R. Bienaimé. 1,815,181; July 21.
Locking device. F. D. Hardesty. 1,833,572; Nov. 24.
Locking device. R. D. Hyatt. 1,793,804; Feb. 24.
Locking device. R. S. Inglehart. 1,816,222; July 28.
Locking device. E. N. Jacobi. 1,835,305; Dec. 8.
Locking device. H. C. Nagel. 1,811,474; June 23.
Locking device. C. J. Symmonds. 1,826,841; Oct. 13.
Locking device. J. R. Thorp. 1,816,268; July 28.
Locking device. W. N. Vance. 1,820,715; Aug. 25
Locking device. A. Wartian. 1,800,708; Apr. 14.
Locking device, Apparel-. K. Reinhold. 1,800,873; Apr. 14.
Locking device, Automatic. S. T. Smith. 1,835,349; Dec. 8.
Locking device, Auto pedal. F. H. Kampman. 1,802,114; Apr. 21.
Locking device, Bearing. J. B. Hawley, jr. 1,812,784; June 30.
Locking device, Body. C. N. Fairchild. 1,796,514; Mar. 17.
Locking device, Casing cover. H. Hollerith, jr. 1,811,628; June 23.
Locking device, Doorknob. E. Ellingson. 1,810,909; June 23.
Locking device for blackboards. J. M. Tracy and F. R. Scherer. 1,810,305; June 16.
Locking device for bolts. J. A. Rutter. 1,814,858; July 14.
Locking device for cameras, Shutter. E. C. Thompson. 1,812,181; June 30.
Locking device for doors. W. T. Hormes. 1,817,689; Aug. 4.
Locking device for doors of baling presses. H. Jacobson and K. Aichelen. 1,826,936; Oct. 13.
Locking device for envelopes. F. J. Wilkins. 1,787,925; Jan. 6.
Locking device for fluid-pressure tools. E. W. Stevens. 1,822,248; Sept. 8.
Locking device for fudge mandrels. H. E. Sloan. 1,800,702; Apr. 14.
Locking device for gear shift levers. H. A. Miller. 1,815,417; July 21.
Locking device for loose-leaf binders. A. G. Lotter. 1,798,478; Mar. 31.
Locking device for loose leaf binders, Automatic. M. W. and J. D. Federbush. 1,832,195; Nov. 17.
Locking device for motor vehicles. A. Weiss. 1,810,381; June 16.
Locking device for nuts and screws. N. D. Nilson. 1,795,570; Mar. 10.
Locking device for rail joints, Spring nut-. H. G. Norwood. 1,793,745; Feb. 24.
Locking device for rail joints, Spring nut. H. G. Norwood. 1,805,412–13; May 12.
Locking device for rim-expanding wedges. J. L. Hecht. 1,800,795; Apr. 14.
Locking device for semitrailers. F. M. Reid. 1,838,868; Dec. 29.
Locking device for shafts of clockworks. H. Junghans. 1,788,110; Jan. 6.
Locking device for sound disk records. C. W. Ebeling. 1,789,810; Jan. 20.
Locking device for speedometers for vehicles. P. A. Kourtzman. 1,827,990; Oct. 20.
Locking device for spring hooks. S. W. Long. 1,806,908; May 26.
Locking device for the steering mechanism of automobiles. H. M. Kirton. 1,790,427; Jan. 27.
Locking device for throttle valves. F. M. Slater. 1,800,231; Apr. 14.
Locking device for tool retainers. D. J. Hafford. 1,811,389; June 23.
Locking device for vacuum-cleaner handles. A. C. McLaren. 1,787,696; Jan. 6.
Locking device for window screens. G. Boden. 1,788,855; Jan. 13.
Locking device, Nut. E. Brandt. 1,815,095; July 21.
Locking device, Plate. H. A. W. Wood. 1,831,219; Nov. 10.
Locking device, Printer's chase-. J. E. Lee, F. Barney, and P. J. Beatty. 1,794,021; Feb. 24.
Locking device, Rail. J. R. Schalk. 1,834,425; Dec. 1.
Locking device, Rotary machine. J. S. Morgan. 1,819,193; Aug. 18.
Locking device, Self. W. F. Heckman. 1,831,001; Nov. 10.
Locking device, Spare wheel. B. S. Moore. 1,806,764; May 26.
Locking device, Trunk. C. P. Albert. 1,827,060; Oct. 13.
Locking door handle. R. Simon. 1,820,504; Aug. 25.
Locking extension, Shade roller. R. S. Bushnell. 1,830,223; Nov. 3.
Locking guide for swingable doors. A. E. Small. 1,837,295; Dec. 22.
Locking joint. H. Hurason. 1,800,349; Apr. 14.
Locking joint for folding jack handles. W. F. Krenzke. 1,798,163; Mar. 31.
Locking means. D. W. Perin. 1,804,542; May 12.
Locking means for car doors. K. J. Tobin and C. E. Eklind. 1,828,912; Oct. 27.
Locking means for casement windows. T. Johnson. 1,837,445; Dec. 22.
Locking means for electrical apparatus. E. Wanamaker. 1,794,876; Mar. 3.
Locking means for fluid pressure brakes. N. A. Christensen. 1,823,588; Sept. 15.
Locking means for stringed instrument tuning pins. G. Tadgell. 1,825,560; Sept. 29.
Locking means for the doors of elevators. H. C. Werner. 1,835,544; Dec. 8.
Locking means, Rail. J. R. Schalk. 1,805,014; May 12.
Locking means, Railway switch. T. E. Blackwell and L. T. Smith. 1,802,696; Apr. 28.
Locking means, Sheet metal. R. F. Carpenter and T. F. Anderson. 1,826,452; Oct. 6.
Locking means, Tank-cap-. A. Miller. 1,794,386; Mar. 3.
Locking mechanism. H. L. Bone. 1,807,618; June 2.
Locking mechanism. W. F. Diesel. 1,813,441; July 7.
Locking mechanism. J. F. Fetyk. 1,806,991; May 26.
Locking mechanism. B. S. Floraday. 1,798,528; Mar. 31.
Locking mechanism. H. Junghans. 1,799,017; Mar. 31.
Locking mechanism. H. F. Keil. 1,805,451; May 12.
Locking mechanism. R. A. Lavender. 1,799,593; Apr. 7.
Locking mechanism. C. J. Markson. 1,806,694; May 26.
Locking mechanism. P. Vignos. 1,805,031; May 19.
Locking mechanism. H. F. Walker. 1,813,473; July 7.
Locking mechanism, Automobile. C. W. Blossom and E. C. Peterson. 1,820,428; Aug. 25.
Locking mechanism, Automobile. L. L. Chessman. 1,829,784; Nov. 3.
Locking mechanism, Automobile. E. J. Martel. 1,818,997; Aug. 18.
Locking mechanism, Auxiliary. A. S. Ailes. 1,791,996; Feb. 10.
Locking mechanism, Clamping and platform. E. H. Kidder. 1,793,622; Feb. 24.
Locking mechanism, Door-. W. T. Pierce. 1,789,113; Jan. 13.
Locking mechanism, Dump car door. J. P. Anderson. 1,834,366; Dec. 1.
Locking mechanism, Elevator door. F. G. Chapin. 1,828,316; Oct. 20.
Locking mechanism for cake former end gates. F. C. Simon. 1,817,946; Aug. 11.
Locking mechanism for extractor covers. A. Partlow. 1,824,565; Sept. 22.
Locking mechanism for freight-car doors. J. P. Ward, R. E. Hyde, and H. J. Green. 1,797,384; Mar. 24.
Locking mechanism for lockers. C. W. Austin. 1,790,130; Jan. 27.
Locking mechanism for printing presses, Plate. W. Durrant. 1,805,134; May 12.
Locking mechanism for reverse gears of locomotives. G. W. Harward. 1,815,301; July 21.
Locking mechanism for switches. W. S. Mayer. 1,791,279; Feb. 3.
Locking mechanism for vehicle fuel tanks. L. R. Smith. 1,788,473; Jan. 13.
Locking mechanism, Motor vehicle hood. L. R. Smith. 1,808,265; June 2.
Locking mechanism, Overdraft numeral key. F. W. Bernau. 1,819,066; Aug. 18.
Locking mechanism, Safety. F. K. Fildes. 1,802,416; Apr. 28.
Locking mechanism, Vehicle. E. C. Peterson. 1,820,491; Aug. 25.
Locking mechanism, Wrist pin. A. K. Kusebauch. 1,824,021; Sept. 22.
Locking plate. J. E. Phillips. 1,814,961; July 14.
Locking reminder. C. N. Fairchild. 1,832,540; Nov. 17.
Locking sheave. T. S. Opheim. 1,809,179; June 9.
Locking structure, Wheel-rim. J. W. Holt. 1,790,421; Jan. 27.
Locking system for containers. W. H. Smith. 1,806,124; May 19.
Lockout switch. H. E. White. 1,801,829; Apr. 21.
Locks and latches. Attachment for door. F. C. Rush. 1,800,662; Apr. 14.
Locks, Keeper for sliding-door. F. E. Howard. 1,796,025; Mar. 10.
Locomotive. J. G. Blunt and H. S. Burnham. 1,809,399; June 9.
Locomotive. A. W. Bruce. 1,792,889; Feb. 17.
Locomotive. A. W. Bruce. 1,836,747; Dec. 15.
Locomotive. M. C. M. Hatch. 1,829,044; Oct. 27.
Locomotive. H. L. Ingersoll. 1,810,709; June 16.
Locomotive. F. P. Roesch. 1,808,256; June 2.
Locomotive. W. E. Woodard. 1,838,725; Dec. 29.
Locomotive and like wheel. F. J. Black. 1,788,079; Jan. 6.

Locomotive and tender. E. A. Turner. 1,829,425; Oct. 27.
Locomotive arch construction. A. H. Willett. 1,815,387; July 21.
Locomotive, Articulated. J. B. Ennis. 1,833,673; Nov. 24.
Locomotive, Attachment for smoke boxes of. H. P. Anderson. 1,798,053; Mar. 24.
Locomotive auxiliaries, Supporting. J. G. Blunt. 1,832,276; Nov. 17.
Locomotive bed. A. W. Bruce. 1,820,215; Aug. 25.
Locomotive bed. J. B. Ennis. 1,831,806; Nov. 17.
Locomotive bed. J. E. Muhlfeld. 1,829,962; Nov. 3.
Locomotive boiler. T. H. Alfreds. 1,803,685; May 5.
Locomotive boiler. C. E. Brooks. 1,820,296; Aug. 25.
Locomotive boiler. A. W. Bruce. 1,805,072; May 12.
Locomotive boiler. A. W. Bruce. 1,816,468; July 28.
Locomotive boiler. G. H. Emerson and W. B. Whitsitt. 1,789,037; Jan. 13.
Locomotive boiler. C. G. Hawley. 1,821,637–8; Sept. 1.
Locomotive boiler. W. H. Hinsch. 1,808,223; June 2.
Locomotive boiler. B. E. Larson. 1,801,434; Apr. 21.
Locomotive boiler. B. E. Larson. 1,803,714; May 5.
Locomotive boiler. B. E. Larson. 1,807,416; May 26.
Locomotive boiler. B. E. Larson. 1,821,555; Sept. 1.
Locomotive boiler. C. W. Lester. 1,813,939; July 14.
Locomotive boiler. A. W. Nelson. 1,813,074; July 7.
Locomotive boiler. E. J. Noel. 1,813,077; July 7.
Locomotive boiler. E. J. Noel. 1,814,257; July 14.
Locomotive boiler. E. J. Reardon. 1,821,527; Sept. 1.
Locomotive boiler. H. E. Yarrow. 1,795,241; Mar. 3.
Locomotive booster. F. R. Peters. 1,832,137; Nov. 17.
Locomotive booster apparatus. M. T. Forker. 1,813,392; July 7.
Locomotive booster entraining and idling mechanism. F. R. Peters. 1,813,421; July 7.
Locomotive booster frame. J. A. McGrew. 1,827,665; Oct. 13.
Locomotive booster suspension. A. W. Bruce. 1,793,049; Feb. 17.
Locomotive cab. W. F. A. Benger. 1,796,357; Mar. 17.
Locomotive cab. J. S. Keen. 1,799,048; Mar. 31.
Locomotive, Cable-reel. W. W. Sloane. 1,787,597; Jan. 6.
Locomotive, Combustion engine. E. A. Sperry. 1,803,876; May 5.
Locomotive construction A. H. Fetters. 1,820,654; Aug. 25.
Locomotive construction. L. P. Michael. 1,827,666; Oct. 13.
Locomotive construction. W. L. Reid. 1,822,420; Sept. 8.
Locomotive construction. H. S. Vincent. 1,795,456; Mar. 10.
Locomotive construction. W. E. Wooward. 1,805,125; May 12.
Locomotive crosshead. H. S. Burnham. 1,795,759; Mar. 10.
Locomotive, Diesel-electric. E. Atteslander. 1,828,992; Oct. 27.
Locomotive draft inducer. L. G. Kunzer. 1,824,355; Sept. 22.
Locomotive driving box cellar. C. J. Scudder. 1,813,712; July 7.
Locomotive driving plates, Elevator plate for. G. R. Wilcox and W. T. Morley. 1,797,065; Mar. 17.
Locomotive, Electric. H. L. Ingersoll. 1,827,817; Oct. 20.
Locomotive, Electric. J. S. Keen and F. B. Deans. 1,823,610; Sept. 15.
Locomotive feed water apparatus. E. L. Schellens and R. P. Peckett, jr. 1,828,474; Oct. 20.
Locomotive frame. J. G. Blunt. 1,812,582; June 80.
Locomotive frame. W. F. Kiesel, jr. 1,828,418; Oct. 20.
Locomotive frame. W. M. Sheehan. 1,833,094; Nov. 24.
Locomotive front end construction. J. S. Coffin, jr. 1,803,793; May 5.
Locomotive furnace. C. J. Surdykowski. 1,825,135; Sept. 29.
Locomotive, Gasoline. J. H. Elliott and R. A. Norbom. 1,787,617; Jan. 6.
Locomotive, Gasoline-engine. W. C. Armstrong. 1,800,241; Apr. 14.
Locomotive having power cylinders connected to the driving mechanism, Diesel. J. Geiger. 1,826,873; Oct. 13.
Locomotive, Internal combustion engine-operated. C. N. Scott. 1,812,834; June 30.
Locomotive, Mine. C. O. Wood. 1,808,277; June 2.
Locomotive, Motor-generator-type. N. W. Storer. 1,831,044; Nov. 10.
Locomotive, Pulverized-coal-burning. V. Z. Caracristi. 1,789,697; Jan. 20.
Locomotive refilling apparatus. F. W. Miller. 1,822,233; Sept. 8.
Locomotive sanding device. V. L. Frantz. 1,806,052; May 19.
Locomotive smoke box construction. J. R. Wheary and G. J. Lucas. 1,812,912; July 7.
Locomotive-smoke-box structure. W. L. Bean. 1,788,559; Jan. 13.
Locomotive spring equalizing system. J. C. Travilla, jr. 1,828,003; Oct. 20.
Locomotive, Steam. C. Halder. 1,824,541; Sept. 22.
Locomotive steam distribution. H. W. Snyder and R. B. Krueger. 1,826,290; Oct. 6.
Locomotive structure. J. G. Blunt. 1,807,334; May 26.
Locomotive structure. C. F. Frede and E. G. Hallquist. 1,836,159; Dec. 15.
Locomotive structure. C. W. Tood. 1,805,115; May 12.
Locomotive structure, Railway-. W. M. Sheehan. 1,793,517; Feb. 24.
Locomotive tender. H. O. Havemeyer, jr. 1,832,632; Nov. 17.
Locomotive tender. H. Miller. 1,833,466; Nov. 24.
Locomotive-tender structure. G. E. Jones. 1,793,490; Feb. 24.
Locomotive terminal. G. E. Murray. 1,788,064; Jan. 6.
Locomotive throttle and drifting valve mechanism. J. E. McDaniel. 1,793,371; Feb. 17.
Locomotive, Turbine driven. J. MacLeod. 1,807,485; May 26.
Locomotive-valve action, Link-block-controlling means for. F. H. Benton. 1,798,863; Mar. 31.
Locomotives, Balancing steam. E. L. Thearle. 1,828,627; Oct. 20.
Locomotives, Drum support for. W. A. Bardsley. 1,806,516; May 19.
Locomotives, Lateral motion device for. S. S. Riegel. 1,808,818; June 9.
Locomotives, Main crank pin collar for. J. S. Keen. 1,827,587; Oct. 13.
Locomotives, Protective system for. C. C. Whittaker and W. H. Smith. 1,794,937; Mar. 3.
Log, Automatic tourist. W. H. Fitch. 1,817,979; Aug. 11.
Log-barging machine. F. Himmelsbach and H. Tormin. 1,791,242; Feb. 3.
Log barker. C. B. Thorne. 1,796.632–3; Mar. 17.
Log barker. C. B. Thorne. 1,827,052; Oct. 13.
Log bunk. A. Sturrock. 1,814,232; July 14.
Log carriage. C. W. Willette. 1,798,770; Mar. 31.
Log carrier. A. W. Lewis. 1,837,165; Dec. 15.
Log decker. A. Veilleux. 1,796,495; Mar. 17.
Log rafting device. J. M. Chevalier. 1,824.982; Sept. 29.
Log sawing device. N. A. Boyette. 1,820,775; Aug. 25.
Log-skidding apparatus. G. L. Gum. 1,793,395; Feb. 17.
Log-sorting apparatus. J. Daw, C. A. Johnson, and M. Packard. 1,792,482; Feb. 17.
Log structure. H. B. Lawton. 1,813,455; July 7.
Log trimming machine. W. T. Rich. 1,811,155; June 23.
Logging block. J. E. Holden. 1,807,038; May 26.
Lollypop. B. Mintz. Des. 85,536; Nov. 10.
Loom. H. Baader. 1,820,424; Aug. 25.
Loom. E. Bloom. 1,831,944; Nov. 17.
Loom. S. Bolin. 1,822,334; Sept. 8.
Loom. C. L. Fetterly and W. E. Smith. 1,805,331; May 12.
Loom. B. C. Goodman. 1,809,588; June 9.
Loom. V. Lindsjo. 1,802,820; Apr. 28.
Loom. I. O. Moberg. 1,832,496; Nov. 17.
Loom. K. Mutter. 1,799,860; Apr. 7.
Loom. O. Primavesi. 1,787,491; Jan. 6.
Loom apparatus, Bullion-fringe. T. Klahre. 1,797,473; Mar. 24.
Loom attachment. W. R. Cartwright. 1,836,309; Dec. 15.
Loom attachment. W. C. Gilmore. 1,797,652; Mar. 24.
Loom, Automatic. W. J. Lemieux and J. Hood. 1,805,525; May 19.
Loom, Automatic pick-and-pick. A. A. Gordon. 1,803,181; Apr. 28.
Loom, Axminster. E. R. Holmes. 1,830,274; Nov. 3.
Loom beam structure. E. Uff. 1,816,503; July 28.
Loom cam shaft bearing lifter and supporter. H. P. Lovett. 1,815,789; July 21.
Loom chain pegging machine, Dobby. F. Uttley. 1,802.128; Apr. 21.
Loom, Circular weaving. T. David. 1,831,482; Nov. 10.
Loom, Cross wire carpet. W. Hall. 1,811,008; June 23.
Loom dobbies, Driving connection for. W. E. Lundgren. 1,826,318; Oct. 6.
Loom dobby. C. D. Brown. 1,804,368; May 5.
Loom dobby. A. A. Gordon. 1,817,139; Aug. 4.
Loom dobby. A. A. Gordon. 1,826,311; Oct. 6.
Loom dobby. W. E. Lundgren. 1,793,182; Feb. 17.
Loom, Double shuttle. R. G. Turner. 1,832,596; Nov. 17.
Loom, Feeler to stop. H. Howarth. 1,803,188; Apr. 28.
Loom filling fork and protector controlling mechanism. A. E. Benson. 1,826,685; Oct. 6.
Loom, Filling replenishing. P. J. St. Jean. 1,827,717; Oct. 13.
Loom for manufacturing hats and the like, Circular. H. Wismer. 1,830,454; Nov. 3.
Loom for the manufacture of pile fabrics, Power. P. Venail. 1,803,222; Apr. 28.
Loom for weaving, Circular. J. B. Jabouley. 1,822,292; Sept. 8.
Loom for weaving fiber reed. G. E. Nordstrom. 1,832,943; Nov. 24.
Loom for weaving having stationary weft supplies. W. Gledhill. 1,802,311; Apr. 21.
Loom for weaving pile carpets, Jacquard. C. C. Brinton. 1,835.555; Dec. 8.
Loom for weaving pile fabrics, Double-shuttle. R. W. Knowlton and H. C. Bennett. 1,793,324; Feb. 17.
Loom for weaving, Shuttleless. O. Shimwell. 1,812,562; June 30.
Loom for weaving, Shuttleless. O. Shimwell. 1,815,118; July 21.
Loom for weaving thick and thin striped fabric. H. H. Burdett. 1,833.046; Nov. 24.
Loom for weaving thick and thin striped fabrics. C. H. Draper. 1,833,884; Nov. 24.

Loom for weaving tufted pile fabric. E. F. Clark. 1,814,294; July 14.
Loom for weaving Wilton and other carpets, Mechanical. G. J. Gilbet. 1,799,226; Apr. 7.
Loom harness. F. G. Cobb. 1,817,292; Aug. 4.
Loom harness mechanisms, Dobby spring for. H. F. Livermore. 1,794,911; Mar. 3.
Loom, Jacquard type. E. Hall. 1,817,818; Aug. 4.
Loom lay, Box guide for. C. P. Bergstrom and C. J. Lindegren. 1,803,164; Apr. 28.
Loom let-off mechanism. O. V. Payne. 1,803,143; Apr. 28.
Loom mechanism. L. Childress. 1,797,046; Mar. 17.
Loom, Narrow fabric. H. Baader. 1,820,422; Aug. 25.
Loom, Needle. J. C. Brooks. 1,789,512; Jan. 20.
Loom, Needle. F. W. Merrick. 1,797,962; Mar. 24.
Loom, Needle. E. W. Stone. 1,823,298; Sept. 15.
Loom picker. W. V. Wynne. 1,801,064; Apr. 14.
Loom picker spindles, Supporting means for. J. Bernini. 1,811,488; June 23.
Loom, Pile fabric. J. A. Coyle. 1,825,110; Sept. 29.
Loom, Power. C. P. Bergstrom and C. J. Lindegren. 1,811,705; June 23.
Loom, Power. A. B. Weissenborn. 1,790,335; Jan. 27.
Loom reed motion and mechanism. H. Haywood. 1,812,481; June 30.
Loom, Rug or carpet weaving. W. B. Greaves and W. M. Stevenson. 1,804,008; May 5.
Loom, Shifting shuttle box. C. D. Brown. 1,804,369; May 5.
Loom, Shutterless. R. G. Moya. 1,804,890; May 12.
Loom shuttle. L. Gauvin. 1,838,387; Dec. 29.
Loom shuttle, Automatically-threading. H. A. Davis. 1,791,805; Feb. 10.
Loom shuttle, Automatically threading. A. Hannah. 1,838,393; Dec. 29.
Loom shuttle, Automatically threading. V. Lindsjo. 1,837,166; Dec. 15.
Loom shuttle, Automatically-threading. M. L. Stone. 1,791,853; Feb. 10.
Loom, Shuttle changing. A. J. Chevrette. 1,834,302; Dec. 1.
Loom, Shuttle changing pick and pick. A. A. Gordon. 1,817,138; Aug. 4.
Loom, Stationary wire Wilton. E. J. Dacey. 1,811,427; June 23.
Loom stop mechanism. E. F. Baldwin. 1,823,720; Sept. 15.
Loom stopping and starting mechanism. W. Seville. 1,834,352; Dec. 1.
Loom stopping mechanism, Pile wire. R. Spendlove. 1,815,277; July 21.
Loom temple. W. H. Bahan. 1,817,336; Aug. 4.
Loom temple. L. P. Batson. 1,826,862; Oct. 13.
Loom temple. J. J. Roberts. 1,830,677; Nov. 3.
Loom temple, Intermittent thread cutting. C. H. Draper. 1,813,888; July 7.
Loom temple roll. A. La Gasse. 1,798,847; Mar. 31.
Loom, Tuft pile fabric. E. W. Stone. 1,813,714; July 7.
Loom warp beam, Adjustable. W. G. Trautvetter. 1,824,639; Sept. 22.
Loom, Weft replenishing. C. E. Brown. 1,817,124; Aug. 4.
Loom, Weft replenishing double shuttle. L. W. Balser and E. E. Clark. 1,807,722; June 2.
Loom, Weft replenishing double shuttle. R. G. Turner. 1,807,764; June 2.
Looms, Adjustable pitman for lays of. J. H. Kelley. 1,788,766; Jan. 13.
Looms and the like, Pattern control means for. J. L. Reynolds and J. M. McKelvey. 1,837,487; Dec. 22.
Looms, Automatic shuttle-changing mechanism for double. R. W. Knowlton and H. C. Bennett. 1,793,325; Feb. 17.
Looms, Automatic spool change device for power. G. Bertuletti. 1,832,760; Nov. 17.
Looms, Batten construction for narrow fabric. H. Baader. 1,820,423; Aug. 25.
Looms, Battery-feed mechanism for. J. Northrop. 1,790,017; Jan. 27.
Looms, Beam hoist for. H. A. Davis. 1,817,894; Aug. 4.
Looms, Bobbin support for wert replenishing. C. P. Bergstrom. 1,826,298; Oct. 6.
Looms, Buffing device in power. K. Toyoda. 1,192,131; Feb. 10.
Looms by the weft guard, Device for stopping electrically driven. K. Lenzkes. 1,811,239; June 23.
Looms, Cloth splitting attachment for. C. D. Brown. 1,809,619; June 9.
Looms, Cloth splitting attachment for. F. K. Brown. 1,835,556; Dec. 8.
Looms, Cloth-splitting attachment for. H. A. Davis. 1,792,460; Feb. 10.
Looms, Controller for ejected bobbins for weft replenishing. A. A. Gordon. 1,832,544; Nov. 17.
Looms, Controlling weft ends in weft replenishing. R. G. Turner. 1,834,357; Dec. 1.
Looms, Dobby finger for. A. A. Gordon. 1,826,313; Oct. 6.
Looms, Dobby for. A. D. Gargolinski. 1,811,431; June 23.
Looms, Electric feeler for drop box. W. H. Wakefield. 1,835,358; Dec. 8.
Looms, Electric feeler mechanism for. S. O. Dodge. 1,791,557; Feb. 10.
Looms, Electric feeler mechanism for. J. B. Jackson, 1,833,610; Nov. 24.
Looms, Electrical warp stop motion for. W. H. Wakefield. 1,793,147; Feb. 17.
Looms, Electrical weft detector for. E. D. MacArthur. 1,834,315; Dec. 1.
Looms, Electrical weft detector for cam box. W. H. Wakefield. 1,834,360; Dec. 1.
Looms, Fabric take-up for. E. McKnight. 1,815,793; July 21.
Looms, Feeler mechanism for. A. E. Stafford. 1,791,852; Feb. 10.
Looms, Feeler motions for automatic silk. G. W. Nicely. 1,811,590; June 23.
Looms, Filling-feeler mechanism for. J. Northrop. 1,790,018; Jan. 27.
Looms, Filling fork and grid mechanism for. H. A. Davis. 1,795,841; Mar. 10.
Looms, Filling stop mechanism for. H. H. Burdett. 1,791,789; Feb. 10.
Looms, Filling stop motion for. M. H. Feehan. 1,830,266; Nov. 3.
Looms, Filling stop motion for. A. A. Gordon. 1,832,543; Nov. 17.
Looms, Filling stop motion for. E. D. MacArthur. 1,832,567; Nov. 17.
Looms for weaving Brussels carpets and like fabrics, Jacquard for. R. Britton. 1,797,069; Mar. 17.
Looms for weaving, Driving and controlling mechanism of. J. H. and T. Hindle. 1,812,206; June 30.
Looms for weaving preparatory chenilles. Picking the weft threads in. J. Menschner. 1,805,046; May 12.
Looms for weaving, Weft-feeler mechanism for. D. M. Hollins. 1,790,214; Jan. 27.
Looms, Fork attachment for. H. C. Bausinger, jr., and H. D. Barnes. 1,796,858; Mar. 17.
Looms, Gripper for tuft weaving. H. W. Shannon. 1,816,938; Aug. 4.
Looms, Harness connecter for. V. R. Maynard. 1,828,058; Oct. 20.
Looms, Harness connecter for. A. Seymour. 1,797,556; Mar. 24.
Looms, Harness cord for. H. F. Livermore. 1,835,068; Dec. 8.
Looms, Harness mechanism for. E. W. Stone. 1,803,539; May 5.
Looms, Harness retractor for. M. C. Kirkpatrick. 1,815,847; July 21.
Looms, Harness stop motion for. G. W. Whitehead. 1,802,855; Apr. 28.
Looms, Intermittent feeler mechanism for. E. D. MacArthur. 1,791,823; Feb. 10.
Looms, Let off device for. C. Hakemeyer. 1,822,286; Sept. 8.
Looms, Let-off for. V. A. Foisy and C. J. Lindegren. 1,807,733; June 2.
Looms, Let off mechanism for. H. A. Davis. 1,827,712; Oct. 13.
Looms, Let-off mechanism for. J. Northrop. 1,790,016; Jan. 27.
Looms, Let-off mechanism for. W. S. Wells. 1,795,584; Mar. 10.
Looms, Let-off motion for. O. V. Payne. 1,803,142; Apr. 28.
Looms, Loose reed for. E. R. Holmes. 1,826,314; Oct. 6.
Looms, Lug strap for. W. Anderson. 1,790,966; Feb. 3.
Looms, Mat-up-removing mechanism for. F. W. Swearington. 1,795,744; Mar. 10.
Looms, Motion transmitting device for. A. Sagar. 1,803,509; May 5.
Looms, Mounting and let-off for beams of. R. Krenz. 1,832,310; Nov. 17.
Looms, Multicolor-weft-replenishing mechanism for. V. A. Foisy and C. Lindegren. 1,793,168; Feb. 17.
Looms, Picker check for. F. Szczesny and A. Przekop. 1,807,018; May 26.
Looms, Picker spindle mounting for. C. J. Lindegren. 1,807,743; June 2.
Looms, Positive let-back mechanism for. H. H. Burdett. 1,828,957; Oct. 27.
Looms, Positive let back mechanism for. C. H. Draper. 1,833,883; Nov. 24.
Looms, Protector mechanism for. A. D. Gargolinski. 1,807,735; June 2.
Looms, Protector mechanism for narrow ware. E. R. Holmes. 1,807,739; June 2.
Looms, Reed holder for. W. E. Lundgren and J. G. Soderberg. 1,826,319; Oct. 6.
Looms, Reed positioning device for. L. L. Davis. 1,833,279; Nov. 24.
Looms, Set-back mechanism for. J. Robellard. 1,794,420; Mar. 3.
Looms, Shed forming mechanism for. H. W. Thatcher. 1,836,136; Dec. 15.
Looms, Shuttle actuating mechanism for narrow ware. E. R. Holmes. 1,817,146; Aug. 4.
Looms, Shuttle box for drop box. C. J. Lindegren. 1,826,317; Oct. 6.
Looms, Shuttle box for weft-replenishing. R. G. Turner. 1,793,144; Feb. 17.
Looms, Shuttle box motion for. H. W. Thatcher. 1,827,272; Oct. 13.
Looms, Shuttle feeler for. E. C. Nichols. 1,820,821; Aug. 25.

Looms, Shuttle-guard for. E. Egli and E. Schoch. 1,812,236; June 30.
Looms, Shuttle motion for narrow ware. M. J. Flynn. 1,826,394; Oct. 6.
Looms, Spit shed motion for. H. L. Betzler. 1,800,772; Apr. 14.
Looms, Stop motion for. A. Rigby. 1,799,250; Apr. 7.
Looms, Stopping mechanism for. W. H. Baker. 1,826,444; Oct. 6.
Looms, Stopping mechanism for narrow ware. E. R. Holmes. 1,811,432; June 23.
Looms, Take-up mechanism for. A. E. Brickman. 1,807,726; June 2.
Looms, Take-up mechanism for. C. D. Brown. 1,790,617; Jan. 27.
Looms, Take-up mechanism for. E. W. Stone. 1,820,846; Aug. 25.
Looms, Temple thread cutter for. W. I. Stimpson. 1,838,588; Dec. 29.
Looms, Thin-place preventer for. W. A. Tebo. 1,799,995; Apr. 7.
Looms, Thin-place preventer for. W. A. Tebo. 1,800,115; Apr. 7.
Looms, Thread cutter for. O. V. Payne. 1,835,324; Dec. 8.
Looms, Thread cutting mechanism for double shuttle. R. G. Turner. 1,817,112; Aug. 4.
Looms, Thread extractor for weft replenishing. A. A. Gordon. 1,817,136; Aug. 4.
Looms, Thread holder for. A. A. Gordon. 1,817,137; Aug. 4.
Looms, Thread holder for weft-replenishing. H. Gerber. 1,793,170; Feb. 17.
Looms, Thread holding and trimming attachment for. W. J. Ingham and J. Larouche. 1,802,020; Apr. 21.
Looms, Tube frame for Axminster. A. Cederlund. 1,797,942; Mar. 24.
Looms, Tube frame for Axminster. W. E. McCleary. 1,826,320; Oct. 6.
Looms, Tube frame for Axminster. O. V. Payne. 1,807,705; June 2.
Looms, Tube frame for Axminster. O. V. Payne. 1,807,748–9; June 2.
Looms, Tuft cutting mechanism of Axminster carpet and other tufted fabric. C. C. Brinton. 1,828,921; Oct. 27.
Looms, Warp moistening device for. T. and A. Winstanley. 1,801,830; Apr. 21.
Looms, Weft and control for magazine. W. M. Wattie. 1,807,768; June 2.
Looms, Weft and remover for automatic. W. H. Banagan. 1,808,127; June 2.
Looms, Weft detector for. G. A. Buffington. 1,807,730; June 2.
Looms, Weft detector for. A. J. Chevrette. 1,832,530; Nov. 17.
Looms, Weft detector for drop box. S. A. Nelson. 1,817,164; Aug. 4.
Looms, Weft feeler for. C. D. Brown. 1,829,260; Oct. 27.
Looms, Weft replenishing mechanism for. W. M. Wattie. 1,832,597; Nov. 17.
Looms, Whip-roll construction for. H. A. Davis. 1,790,201; Jan. 27.
Loop control mechanism. C. A. Sentou and E. Jacquet. 1,802,621; Apr. 28.
Loop for buttons or the like, Fastening. G. H. Francisco. 1,812,330; June 30.
Loop for clothes lines, cables, etc., Attaching. F. E. Bankwitz. 1,836,744; Dec. 15.
Loop forming machine. B. H. Foster and K. B. Cook. 1,830,463; Nov. 3.
Loop, Garment. D. G. Butts. 1,822,724; Sept. 8.
Loop regulating mechanism for full fashioned knitting machines, Electrically controlled. C. F. Meyer. 1,821,982; Sept. 8.
Looper. J. T. Leach. 1,791,090; Feb. 3.
Looper operating mechanism for sewing machines. F. Lutz. 1,827,594; Oct. 13.
Looping device. G. A. Boettcher. 1,796,236; Mar. 10.
Loose leaf device. J. L. Burgoyne. 1,811,348; June 23.
Loose leaf device, Visible. C. A. Finley. 1,806,529; May 19.
Loose material, Apparatus for hoisting and distributing. J. P. Faber. 1,812,328; June 30.
Loose material, Handling. J. D. and O. M. Colby. 1,796,747; Mar. 17.
Loose materials, Apparatus for handling. A. B. Esseltine. 1,791,665; Feb. 10.
Loud speaker. C. A. Bergmann. 1,810,337; June 16.
Loud speaker. H. Chireix. 1,838,743; Dec. 29.
Loud speaker. J. T. Corrigan. 1,803,892; May 5.
Loud-speaker. G. G. Cromartie. Des. 83,849; Apr. 7.
Loud-speaker. L. F. Curtis and M. E. Bond. 1,792,822; Feb. 17.
Loud speaker. B. Dempster and J. C. Koonz. 1,808,297; June 2.
Loud speaker. P. W. Gumaer. 1,815,944; July 28.
Loud-speaker. C. R. Hanna. 1,788,103; Jan. 6.
Loud speaker. M. C. Hopkins. 1,815,945; July 28.
Loudspeaker. C. Midhat. 1,829,910; Nov. 3.
Loud speaker. J. P. Minton. 1,812,213; June 30.
Loud speaker. J. P. Minton. 1,827,994; Oct. 20.
Loud-speaker. H. Munsch. 1,790,437; Jan. 27.
Loud speaker. W. D. Pack. 1,807,168; May 26.
Loud speaker. E. S. Pridham. 1,811,867; June 23.
Loud speaker. A. Ringel. 1,823,512; Sept. 15.
Loud speaker. H. J. Round. 1,809,571; June 9.
Loud-speaker. L. Stevens. Des. 83,705; Mar. 17.
Loud-speaker. A. A. Thomas. 1,790,120; Jan. 27.
Loud speaker. A. A. Thomas. 1,819,210; Aug. 18.
Loud speaker. R. E. Tolerton. 1,820,585; Aug. 25.
Loud speaker. G. von Arco. 1,820,956; Sept. 1.
Loud-speaker and radiocabinet, Combined. P. L. Jensen. Des. 83,620; Mar. 10.
Loud speaker and the like, Wireless. G. G. de Andia-Yrarrgzaval. 1,817,354; Aug. 4.
Loud-speaker, Auditorium. F. Thorington. 1,791,173; Feb. 3.
Loud speaker, Cone type. W. H. and F. B. Bristol. 1,809,578; June 9.
Loud speaker, Cone-type. J. S. Timmons. 1,825,561; Sept. 29.
Loud speaker device. I. Ludlow. 1,819,103; Aug. 18.
Loud-speaker device. A. F. Wood. 1,793,889; Feb. 24.
Loud speaker, Double reentrant cone. A. M. Nicolson. 1,809,597; June 9.
Loud speaker, Eccentric drive cone. A. M. Nicolson. 1,823,118; Sept. 15.
Loud speaker, Electrostatic. A. A. Thomas. 1,839,130; Dec. 29.
Loud-speaker for wireless apparatus or the like. G. R. Searle. 1,826,226; Oct. 6.
Loud-speaker motor. W. Aull, jr., and H. W. Houck. 1,788,557; Jan. 13.
Loud speaker motor. C. W. Peterson. 1,806,914; May 26.
Loudspeaker, Stringed. C. Midhat. 1,829,909; Nov. 3.
Loud-speaker, Telephonic. A. Wunner. 1,839,137; Dec. 29.
Loud speaker unit and drive mechanism therefor. J. R. Barnhart. 1,828,122; Oct. 20.
Loud speakers, Vibrating member for. G. H. de Jongh. 1,802,910; Apr. 28.
Loud speaking apparatus. C. C. Bradbury. 1,814,119; July 14.
Louver for windows. C. Samberg. 1,830,487; Nov. 3.
Low-temperature burner. F. C. Carter. 1,798,785; Mar. 31.
Low water alarm. F. M. Roby. 1,831,884; Nov. 17.
Lowering apparatus. W. Hodnett. 1,805,177; May 12.
Lowering device. R. D. Delamere. 1,814,131; July 14.
Lowering machine. O. Birmann. 1,820,427; Aug. 25.
Lubricant. D. P. Barnard. 1,796,857; Mar. 17.
Lubricant. A. E. Becker. 1,812,766; June 30.
Lubricant. M. O. Edmiston. 1,810,555; June 16.
Lubricant. J. W. Moorehead. 1,824,443; Sept. 22.
Lubricant. F. W. Sullivan, jr. 1,830,970; Nov. 10.
Lubricant and carbon remover. P. N. Elderkin. 1,822,886; Sept. 15.
Lubricant cases, Apparatus for cleaning. C. M. Oles. 1,824,095; Sept. 22.
Lubricant demonstration can. H. H. Cross and G. F. Fox. 1,804,210; May 5.
Lubricant dispensing apparatus. L. W. Pierce. 1,816,987; Aug. 4.
Lubricant dispensing device. W. S. Taber. 1,821,587; Sept. 1.
Lubricant distributing means, Automatic. B. B. West. 1,813,005; July 7.
Lubricant, Emulsifiable. E. W. Adams and F. W. Kittrell. 1,817,599; Aug. 4
Lubricant flow meter. A. B. Pearson. 1,793,007; Feb. 17.
Lubricant for hot surfaces. M. R. Wolfard, A. A. Morton, and R. H. Hussey. 1,825,256; Sept. 29.
Lubricant, Gear. S. D. White and C. L. Knopf. 1,789,614; Jan. 20.
Lubricant, Gear. S. D. White and C. L. Knopf. 1,831,614; Nov. 10.
Lubricant level gauge. O. W. Phifer. 1,802,124; Apr. 21.
Lubricant protecting structure for internal brakes of vehicle wheel. W. N. Booth. 1,816,172-3; July 28.
Lubricant, Pumping. H. B. Sheppard. 1,837,590; Dec. 22.
Lubricant purifier for connecting rod bearings. G. Cattaneo. 1,807,830; June 2.
Lubricant, Transferring. C. T. Myers. 1,830,480; Nov. 3.
Lubricants, Treating. W. O. Stevens. 1,796,310; Mar. 17.
Lubricating apparatus. I. S. Carpenter. 1,821,828; Sept. 1.
Lubricating apparatus. E. W. Davis. 1,807,899; June 2.
Lubricating apparatus. E. W. Davis. 1,830,643; Nov. 3.
Lubricating apparatus. C. Lea. Re18,277; Dec. 8.
Lubricating apparatus. W. Z. Linders. 1,812,798; June 30.
Lubricating apparatus. H. J. Murphy. 1,795,034; Mar. 3.
Lubricating apparatus. H. J. Murphy. 1,799,433; Apr. 7.
Lubricating apparatus. H. J. Murphy. 1,821,230; Sept. 1.
Lubricating apparatus. H. J. Murphy. 1,825,972; Oct. 6.
Lubricating apparatus. H. J. Murphy. 1,837,576; Dec. 22.
Lubricating apparatus. D. C. Peck. 1,830,674; Nov. 3.
Lubricating apparatus. C. B. and W. C. Pierce. 1,824,364; Sept. 22.
Lubricating apparatus. A. W. Reader. 1,809,865; June 16.
Lubricating apparatus. G. F. Thomas. 1,797,277; Mar. 24.
Lubricating apparatus. F. Wilkes. 1,788,072; Jan. 6.
Lubricating apparatus. O. U. Zerk. 1,797,280; Mar. 24.

Lubricating apparatus. O. U. Zerk. 1,803,520; May 5.
Lubricating apparatus for automobiles and the like. G. Kramer. 1,828,934; Oct. 27.
Lubricating apparatus, High pressure. J. W. Woodruff. 1,804,449; May 12.
Lubricating apparatus, Pneumatically-operated. C. G. Butler. 1,796,259; Mar. 10.
Lubricating apparatus, Track. J. T. McGarry. 1,831,313; Nov. 10.
Lubricating arrangement for plate straightening or rolling machines. F. Ungerer. 1,804,571; May 12.
Lubricating bar. B. F. Clarke and W. J. McDonald. 1,793,907; Feb. 24.
Lubricating compound. R. L. Newbern. 1,839,159; Dec. 29.
Lubricating device. G. J. Bancroft. 1,811,343; June 23.
Lubricating device. L. Bonham. 1,790,222; Jan. 27.
Lubricating device. M. Christman. 1,803,746; May 5.
Lubricating device. M. A. Defibaugh. 1,837,020; Dec. 15.
Lubricating device. A. E. Horman. 1,836,597; Dec. 15.
Lubricating device. J. O. Lewis. 1,791,416; Feb. 3.
Lubricating device. T. Maney. 1,820,815; Aug. 25.
Lubricating device. B. S. Minor. 1,794,725; Mar. 3.
Lubricating device. E. R. Mundis. 1,833,402; Nov. 24.
Lubricating device. R. C. Osgood. 1,834,172; Dec. 1.
Lubricating device. C. A. Schellens. 1,808,792; June 9.
Lubricating device. W. J. Seele. 1,795,684; Mar. 10.
Lubricating device. E. C. Walker. 1,819,663; Aug. 18.
Lubricating device. W. H. Wineman. 1,834,600; Dec. 1.
Lubricating device. C. L. Zabriskie. 1,794,131; Feb. 24.
Lubricating device, Automatic. E. J. Serpas. 1,799,026; Mar. 31.
Lubricating device, Automatic. E. J. Serpas. 1,830,374; Nov. 3.
Lubricating device for bolts. C. F. Kellom. 1,792,694; Feb. 17.
Lubricating device for clutch pilot bearing. B. Loeffler. 1,834,285; Dec. 1.
Lubricating device for clutch throw out bearing. B. Loeffler. 1,820,748; Aug. 25.
Lubricating device for elevator guide rail. T. Brady. 1,805,305; May 12.
Lubricating device for the ways of lathes. G. M. Class. 1,797,547; Mar. 24.
Lubricating device, Motor. R. E. Langmack. 1,805,826; May 19.
Lubricating device, Rail-. F. Gust and E. W. Hamann. 1,789,100; Jan. 13.
Lubricating device, Vehicle. L. Ketchum. 1,795,955; Mar. 10.
Lubricating film forming composition. D. W. Carter. 1,810,905; June 23.
Lubricating friction plate for driving boxes. J. A. Rounds. 1,794,734; Mar. 3.
Lubricating gun. H. Kreidel. 1,793,492; Feb. 24.
Lubricating installation. J. Bijur. 1,797,203; Mar. 17.
Lubricating material and making the same, Sulfonic. H. L. Johnson. 1,795,491; Mar. 10.
Lubricating means. W. E. Hann. 1,820,616; Aug. 25.
Lubricating means. W. B. Hill and V. M. Watt. 1,810,175; June 16.
Lubricating means for bearing surfaces. E. Traub. 1,809,649; June 9.
Lubricating means for braiding machines. H. G. Robinson. 1,791,286; Feb. 3.
Lubricating mechanism, Elevator guide rail. C. R. Callaway. 1,810,695; June 16.
Lubricating mechanism for deep well drills. F. L. O. Wadsworth. 1,819,532; Aug. 18.
Lubricating pad. J. M. M. A. Steurs. 1,810,443; June 16.
Lubricating spindle and twisting rings. G. H. Gilligan. 1,815,502; July 21.
Lubricating system. H. Albertine. 1,820,109; Aug. 25.
Lubricating system. A. U. Ayres. 1,805,230; May 12.
Lubricating system. F. S. Barks. 1,805,303; May 12.
Lubricating system. Y. V. Carpenter. 1,807,059; May 26.
Lubricating system. E. W. Davis. 1,803,601; May 5.
Lubricating system. E. W. Davis. 1,818,464; Aug. 11.
Lubricating system. E. W. Davis. 1,819,280; Aug. 18.
Lubricating system. J. W. W. Drysdale. 1,807,515; May 26.
Lubricating system. E. E. Eickmeyer. 1,822,960; Sept. 15.
Lubricating system. D. F. Fesler. 1,787,439; Jan. 6.
Lubricating system. E. E. Hans. 1,818,392; Aug. 11.
Lubricating system. C. A. Hanson. 1,803,703; May 5.
Lubricating system. F. Hodgkinson. 1,800,941; Apr. 14.
Lubricating system. G. L. Moore. 1,813,122; July 7.
Lubricating system. H. J. Murphy. 1,811,958; June 30.
Lubricating system. H. J. Murphy. 1,818,347; Aug. 11.
Lubricating system. H. J. Murphy. 1,825,973; Oct. 6.
Lubricating system. W. W. Nugent. 1,796,531; Mar. 17.
Lubricating system. C. H. Ramsey. 1,794,921; Mar. 3.
Lubricating system. H. G. Sanger. 1,809,357; June 9.
Lubricating system. L. E. Simmons. 1,820,201; Aug. 25.
Lubricating system. T. Wilson. 1,805,609; May 19.
Lubricating system. O. U. Zerk. 1,787,741; Jan. 6.
Lubricating system and lubricator therefor. E. W. Davis. 1,819,359; Aug. 18.
Lubricating system, Automatic. J. Amon. 1,790,639; Feb. 3.
Lubricating system, Cooled. H. V. Dalgliesh. 1,822,726; Sept. 8.
Lubricating system, Engine-. J. Good. 1,790,372; Jan. 27.
Lubricating system for deep well tools. F. L. O. Wadsworth. 1,838,045; Dec. 22.
Lubricating system for internal-combustion engines. E. J. Sweetland. 1,787,961; Jan. 6.
Lubricating system for internal combustion engines. E. C. Piper. 1,825,889; Oct. 6.
Lubricating system for motor vehicles. A. C. Menges. 1,797,358; Mar. 24.
Lubricating system for quilling machines. G. Sipp. 1,820,402; Aug. 25.
Lubricating system for shop machinery. V. M. Dirkes. 1,795,297; Mar. 10.
Lubricating system for sleeve valve engines. C. A. Fleming. 1,812,825; June 30.
Lubricating system for vertical shafts. A. Minet. 1,822,817; Sept. 8.
Lubricating system, Pressure. J. B. McFerran, jr. 1,811,240; June 23.
Lubricating system, Top. F. M. Kincaid. 1,820,705; Aug. 25.
Lubricating tip and employing the same. J. J. Magnuson. 1,823,618; Sept. 15.
Lubrication of gears and the like. F. P. Dahlstrom. 1,832,099; Nov. 17.
Lubrication, Oil bearing. O. Wilde. 1,816,507; July 28.
Lubrication, Rear axle wheel bearing. C. J. Bock. 1,823,422; Sept. 15.
Lubrication, Shaft. C. A. Johnson. 1,787,986; Jan. 6.
Lubrication system for internal combustion engines. M. J. Schenk. 1,815,868; July 21.
Lubrication system, Internal-combustion engine. A. A. Woodward. 1,821,999; Sept. 8.
Lubrication system, Pressure. E. W. Davis. 1,812,084; June 30.
Lubricator: *See*—

Air-line lubricator.	Packing lubricator.
Automatic lubricator.	Piston lubricator.
Automatic piling lubricator	Pump lubricator.
Driving box lubricator.	Rail lubricator.
Elevator lubricator.	Spring leaf lubricator.
Fan lubricator.	Switch lubricator.
Gear and pinion lubricator.	Thread lubricator.
Journal-box lubricator.	Valve lubricator.
Journal lubricator.	Wheel and rail lubricator.

Lubricator. E. Baber. 1,792,564; Feb. 17.
Lubricator. K. S. Clapp. 1,828,317; Oct. 20.
Lubricator. J. S. Craib. 1,791,300; Feb. 3.
Lubricator. V. R. Decrow. 1,834,092; Dec. 1.
Lubricator. L. C. Dutro. 1,821,010; Sept. 1.
Lubricator. A. C. Fox. 1,807,691; June 2.
Lubricator. J. J. Hennessy. 1,836,799; Dec. 15.
Lubricator. R. P. F. Liddell. 1,838,100; Dec. 29.
Lubricator. H. M. Ludwick. 1,806,545; May 19.
Lubricator. H. H. Mercer. 1,815,111; July 21.
Lubricator. G. C. Pearson. 1,804,182; May 5.
Lubricator. H. T. Scott. 1,814,970; July 14.
Lubricator. E. F. Terry, jr. 1,804,186; May 15.
Lubricator construction. F. W. Martin. 1,813,413; July 7.
Lubricator for internal combustion engines. S. D. Ross and C. F. Edwards. 1,833,913; Dec. 1.
Lubricator for pumps. E. J. Codner. 1,830,424; Nov. 3.
Lubricator indicator. P. Shapiro. 1,806,423; May 19.
Lug fastening means. F. H. Olthoff. 1,828,815; Oct. 27.
Lug folding machine. E. W. Sibley. 1,802,357; Apr. 28.
Lug for domes, Support. W. M. Goldsmith. 1,824,816; Sept. 29.
Lug for railway telltale rods, Holding. F. H. Rasmussen. 1,799,805; Apr. 7.
Lug for wheel chains. A. Gerth. 1,810,075; June 16.
Lug for wheels. L. B. Neighbour. 1,810,219; June 16.
Lug strap. J. H. Chadbourne. 1,795,272; Mar. 3.
Luggage. G. H. Wheary and B. M. Hamlin. 1,830,582; Nov. 3.
Luggage carrier. W. A. Bryant. 1,834,825; Dec. 1.
Luggage carrier. E. V. Carrier. Des. 84,867; Aug. 18.
Luggage carrier. H. J. Criner. 1,828,128; Oct. 20.
Luggage carrier. L. Edelmann and H. W. Eden. 1,822,480; Sept. 8.
Luggage carrier. N. M. Gage. 1,804,868; May 12.
Luggage carrier. C. W. Gardner. 1,837,539; Dec. 22.
Luggage carrier. C. Haffke. 1,809,119; June 9.
Luggage carrier. R. Pownall. 1,810,786; June 16.
Luggage carrier. O. Ruth. 1,792,039; Feb. 10.
Luggage carrier. O. B. Welker. 1,798,239; Mar. 31.
Luggage carrier. G. H. Wheary and B. M. Hamlin. 1,812,185; June 30.
Luggage carrier, Adjustable. G. C. Kennedy. 1,808,042; June 2.
Luggage carrier, Automobile. C. E. Glenn. 1,815,943; July 28.
Luggage carrier, Detachable and folding. C. E. Fendorf. 1,835,480; Dec. 8.
Luggage carrier, Foldable. J. F. Martin. 1,822,975; Sept. 15.
Luggage clamp. M. F. Desmond. 1,814,371; July 14.
Luggage, Hand. B. M. Hamlin. 1,815,908; July 28.
Luggage, Hand. G. H. Wheary and B. M. Hamlin. 1,799,877; Apr. 7.
Luggage handle. F. C. Williams. 1,793,575; Feb. 24.
Luggage lock. O. A. Boesel. Des. 83,387; Feb. 17.
Luggage rack. F. F. Hopf. 1,838,021; Dec. 22.
Lumber and other moisture-containing materials, Drying. H. W. Cowan. 1,796,141; Mar. 10.

Lumber, Apparatus for treating. H. B. Clark. 1,789,999; Jan. 27.
Lumber carrier. R. B. Moore. 1,818,420; Aug. 11.
Lumber drying apparatus for yard use. M. L. Mueller. 1,804,107; May 5.
Lumber from cornstalks, Relating to the production of synthetic. O. R. Sweeney. 1,803,737; May 5.
Lumber from redwood bark, Manufacture of sheathing. E. R. Darling. 1,797,901; Mar. 24.
Lumber, Jointed. J. K. Gruner. 1,823,039; Sept. 15.
Lumber-loading device. E. McKuen. 1,800,555; Apr. 14.
Lumber, Manufacture of metal. W. O. Sheldon. 1,833,043; Nov. 24.
Lumber, Method of and apparatus for making composite. A. E. Cranston. 1,799,958; Apr. 7.
Lumber positioning mechanism. E. F. and N. E. E. Sorensen. 1,824,381; Sept. 22.
Lumber, Waterproof and dielectric asbestos. E. J. Buczkowski. 1,804,740; May 12.
Luminair. W. A. Dorey. 1,794,839; Mar. 3.
Luminair. S. English. 1,799,290; Apr. 7.
Luminair. A. Froget. 1,839,022; Dec. 29.
Luminair. T. W. Rolph. Re18,187; Sept. 15.
Luminair, Reflecting. T. W. Rolph. 1,791,936; Feb. 10.
Luminescent tube. G. E. Teasdale. 1,808,825; June 9.
Luminescent tube. C. J. Wamser. 1,824,452; Sept. 22.
Luminous device. J. E. Paul. 1,812,058; June 30.
Luminous discharge device. L. de Forest. 1,806,746; May 26.
Luminous display, Changeable. F. Hotchner. 1,816,220; July 28.
Luminous tube. J. E. Gross. 1,797,683; Mar. 24.
Luminous tube. H. W. Howard. 1,809,447; June 9.
Luminous tube. R. R. Machlett. 1,789,557; Jan. 20.
Luminous tube. T. K. Peters. 1,813,759; July 7.
Luminous tube, High frequency. R. R. Machlett and J. F. Stokes. 1,819,105; Aug. 18.
Lump and granular material, Apparatus for depositing. O. C. Doblhoff. 1,802,633; Apr. 28.
Lunch box. L. and E. Scherz. 1,811,439; June 23.
Lunch carrier, Portable. A. De Freitas. 1,829,636; Oct. 27.
Lure. S. F. Davenport. 1,836,650; Dec. 15.
Lure attachment. S. F. Davenport. 1,832,768; Nov. 17.
Lure carrier. H. Overberg. 1,814,490; July 14.
Lure, Floating. P. A. Haberl. 1,834,277; Dec. 1.
Macaroni, Manufacture of. F. Penza. 1,822,904; Sept. 15.
Macaroni, Method and apparatus for making. F. Penz. 1,788,689; Jan. 13.
Machine and method for assembling springs. G. A. Stackhouse. 1,812,611; June 30.
Machine and method for forming and attaching rands. F. Ashworth. 1,825,688; Oct. 6.
Machine and method for forming French felled seams. J. P. Weis. 1,809,463; June 9.
Machine and method for making wall board. M. Kliefoth. 1,829,802; Nov. 3.
Machine and method for removing valve stems from inner tubes. E. Hutchens. 1,804,419; May 12.
Machine and method for repairing knitted fabrics. J. S. Pecker. 1,811,330; June 23.
Machine and method for stitching shoe uppers. J. P. Weis. 1,809,462; June 9.
Machine and method for unfolding paper trays. S. Bergstein. Re17,975; Feb. 24.
Machine and method of assembling springs. G. A. Stackhouse. 1,835,819; Dec. 8.
Machine and method of flattening flanges of banjo frames. G. Spatta. 1,830,488; Nov. 3.
Machine and tool for shaving gear teeth. E. W. Miller. 1,807,665; June 2.
Machine bed, Reciprocating. N. H. Klages. 1,811,508; June 23.
Machine casing, Amusement-. J. F. Meyer. Des. 83,560; Mar. 3.
Machine casing, Weighing-. D. C. Rockola. Des. 83,280; Feb. 10.
Machine element. E. Jacobus. 1,804,935; May 12.
Machine element. A. Stoll. 1,793,141; Feb. 17.
Machine for and method of assembling chains. R. F. Dow. 1,835,111; Dec. 8.
Machine for and method of assembling springs. J. F. Gail. 1,813,993; July 14.
Machine for and method of dyeing cloth and otherwise treating textiles. W. P. Cohoe. 1,803,664; May 5.
Machine for and method of forming weather stripping. M. E. Bosley. 1,832,524; Nov. 17.
Machine for and method of heel seat fitting. S. J. Finn. 1,805,039; May 12.
Machine for and method of heel-seat fitting. E. E. Sabin. 1,787,640; Jan. 6.
Machine for and method of making continuous cushions. M. J. Stack. 1,793,139; Feb. 17.
Machine for and method of sizing textiles. J. J. Sussmith. 1,822,425; Sept. 8.
Machine for and method of treating material. R. F. Knight. 1,831,918; Nov. 17.
Machine for applying caps to bottles. H. W. Goewey. 1,826,930; Oct. 13.
Machine for applying characters to sheets. R. E. Bohrer. 1,797,973; Mar. 24.
Machine for applying characters to sheets or forms. W. B. Payne. 1,823,161; Sept. 15.
Machine for applying confectory material to biscuits. E. M. Crosland. 1,830,425; Nov. 3.
Machine for applying pressure to shoes. F. D. Kinney. 1,822,039; Sept. 8.
Machine for applying reenforcing wire to clothespins. J. R. Nolan. 1,799,698; Apr. 7.
Machine for applying shredded material to confection coated wafers and the like. F. G. Salerno. 1,801,572; Apr. 21.
Machine for applying strips of piping to sheet material. T. P. Hall. 1,819,024; Aug. 18.
Machine for applying strips to blanks. H. J. Goss. 1,803,699; May 5.
Machine for applying transfer stamps. C. G. Richardson. 1,810,294; June 16.
Machine for automatically baking waffles and the like. O. G. L. Danger. 1,822,803; Sept. 8.
Machine for automatically forming and dividing plastic masses. H. A. L. and A. G. H. Swärd. 1,814,496; July 14.
Machine for automatically playing phonograph records. G. H. Pittman. 1,802,830; Apr. 28.
Machine for automatically printing photographic proofs. P. A. M. Priou. 1,807,547; May 26.
Machine for automatically spreading and cutting bar-shaped length of dough-pieces. J. Uhl. 1,833,923; Dec. 1.
Machine for back lining books. C. Schramm and E. W. Clark. 1,824,506; Sept. 22.
Machine for baking cakes. F. J. Vierling and J. Jessen. 1,809,004; June 9.
Machine for baking pastry shells. L. H. Lanier. 1,823,151; Sept. 15.
Machine for bending and tempering leaf-springs. P. Hobracht. 1,816,377; July 28.
Machine for bending corrugations in metal. L. F. Clausing. 1,808,019; June 2.
Machine for bending sheet metal. R. M. Hinrich. 1,815,102; July 21.
Machine for bending sheet metal shapes. A. Rafter. 1,812,982; July 7.
Machine for bending sheet metal shapes. A. Rafter. 1,813,951; July 14.
Machine for bending trouser hooks. O. Kent. 1,788,241; Jan. 6.
Machine for blowing hollow glass articles. R. G. Allen. 1,832,080; Nov. 17.
Machine for boring cylinders. C. B. Cole and O. L. Lewis. 1,814,078; July 14.
Machine for boring metal. H. J. Longley. 1,794,080; Feb. 24.
Machine for breaking and separating cocoa beans. S. Bramley-Moore. 1,788,683; Jan. 13.
Machine for buffing air bags. G. G. Andrews. 1,827,637; Oct. 13.
Machine for building tire bands. H. T. Kraft. 1,789,143; Jan. 13.
Machine for building rubber conduits. J. I. Haase. 1,827,650; Oct. 13.
Machine for candy making. W. G. Lloyd. 1,823,498; Sept. 15.
Machine for casting articles from plastic or liquid masses. J. J. Jensen. 1,798,326; Mar. 31.
Machine for casting stereo-plates. C. Winkler. 1,802,300; Apr. 21.
Machine for centerless grinding. A. G. E. Hultgren. 1,789,408; Jan. 20.
Machine for classing bed feathers. H. Bauer. 1,800,493; Apr. 14.
Machine for cleaning golf and other balls. E. G. Brewer. 1,792,211; Feb. 10.
Machine for cleaning ham-boiling molds. C. S. Ott and J. R. Lewis. 1,795,671; Mar. 10.
Machine for cleaning seed cotton. S. Williams. 1,787,740; Jan. 6.
Machine for cleaning timbers especially boards, beams or the like. W. Grinke. 1,816,969; Aug. 4.
Machine for cleaning tin cans. B. E. Taylor. 1,833,007; Nov. 24.
Machine for cleaning trouser cuffs. J. T. and L. J. La Measure. 1,804,791; May 12.
Machine for closing cans. A. J. Sprague. 1,829,199; Oct. 27.
Machine for coating and glazing biscuits. E. Savy. 1,818,911; Aug. 11.
Machine for coating can ends. J. Coyle. 1,838,082; Dec. 29.
Machine for coating strips of lumber. I. F. Dittmar. 1,802,410; Apr. 28.
Machine for cold rolling conduits. H. P. Birckmayer. 1,835,002; Dec. 8.
Machine for constructing concrete pipe. A. W. Schultz. 1,813,772; July 7.
Machine for continuously making compressed slabs or floor tiles with colored designs, Rotary. H. Druart. 1,815,668; July 21.
Machine for controlling railway traffic governing apparatus. W. C. McWhirter. 1,823,058; Sept. 15.
Machine for cooking sausages. C. Offenhauser. 1,827,902; Oct. 20.
Machine for coping corner beads. A. G. Siebenlist. 1,798,957; Mar. 31.
Machine for copying shoe lasts and other irregular articles. C. Black and C. Benscheidt, jr. 1,798,926; Mar. 31.

Machine for coring and slicing citrus fruits. C. Floyd and D. M. Smalle. 1,825,628; Sept. 29.
Machine for counting restaurant checks and adding highest amounts indicated thereon. M. P. Golod. 1,829,925; Nov. 3.
Machine for covering boxes. R. P. Seckendorf. 1,829,063; Oct. 27.
Machine for covering irregularly shaped paper box cover plates and the like. L. Tacke. 1,823,632; Sept. 15.
Machine for crimping pipe sleeves. A. J. Bulger. 1,810,342; June 16.
Machine for cutting and panning biscuits. C. Becker. 1,827,133; Oct. 13.
Machine for cutting and skiving soles of shoes. C. A. Haberman. 1,796,020; Mar. 10.
Machine for cutting border slugs. A. Carson. 1,814,366; July 14.
Machine for cutting cardboard for book covers or the like. A. Kolbus. 1,829,937; Nov. 3.
Machine for cutting coffee and the like. B. A. O'Neill. 1,824,681; Sept. 22.
Machine for cutting designs in glass. P. H. James and H. C. Woodsmall. 1,812,485; June 30.
Machine for cutting gear teeth. W. E. Sykes. 1,814,348; July 14.
Machine for cutting gears. H. E. Taylor. 1,798,230; Mar. 31.
Machine for cutting magnetic circuit laminæ. O. A. Pearson. 1,819,481; Aug. 18.
Machine for cutting off pipe, bar stock, and the like. R. E. Hyde and D. Schappi. 1,828,371; Oct. 20.
Machine for cutting pearl button stock. S. Butsko. 1,814,240; July 14.
Machine for cutting slate, roofing tile, and the like. G. F. Neumann, jr. 1,838,782; Dec. 29.
Machine for cutting threads on tubes. P. Taurel. 1,817,111; Aug. 4.
Machine for decorating fabrics. R. Reisley. 1,804,435; May 12.
Machine for deforming pipes. C. F. Schultis. 1,804,815; May 12.
Machine for developing aluminum into particles. W. C. Gangloff and M. A. Conner. 1,816,806; July 28.
Machine for disintegrating waste-wood. J. Bing. 1,803,230; Apr. 28.
Machine for displaying advertising. T. S. S. Wagner. 1,832,336; Nov. 17.
Machine for dissolving xanthates. R. Thurm and E. Schmierer. 1,794,214; Feb. 24.
Machine for distributing manure or other material. J. and C. J. Bamford. 1,829,627; Oct. 27.
Machine for dividing fruit. C. Floyd. 1,825,629; Sept. 29.
Machine for drawing and trimming poultry. S. Bookheim. 1,798,585; Mar. 31.
Machine for drawing threads in fabrics. H. Corrall. 1,827,706; Oct. 13.
Machine for drilling valve guides. J. C. Ertel, jr. 1,837,419; Dec. 22.
Machine for drying and curing macaroni and other products made from a paste of flour and water. A. W. Quiggle and A. S. T. Lagaard. 1,822,313; Sept. 8.
Machine for drying random colored yarn on the cone. W. N. Gere. 1,836,531; Dec. 15.
Machine for dyeing fabrics. W. E. Caffray. 1,791,954; Feb. 10.
Machine for embossing curtain-pole rings. C. W. Kirsch and A. A. Allen. 1,800,350; Apr. 14.
Machine for embossing sheet material. C. B. Maxson. 1,800,867; Apr. 14.
Machine for evening surfaces of articles. O. H. Brown. 1,796,824; Mar. 17.
Machine for examination and treatment of eye conditions. C. W. Williams. 1,795,587; Mar. 10.
Machine for exhausting, bombarding and sealing off radiotubes, lamp bulbs, and the like, Combined. C. Eisler. 1,819,597; Aug. 18.
Machine for expanding cylinders. G. G. McKay. 1,825,081; Sept. 29.
Machine for expanding cylinders. H. G. Vaughn. 1,825,030; Sept. 29.
Machine for expanding metal. W. W. Galbreath. 1,818,246; Aug. 11.
Machine for expanding slitted metal sheets. T. A. Sindelar. 1,838,197; Dec. 29.
Machine for expressing liquids from solids. H. J. L. Dunlop and A. J. Sibbald. 1,820,226; Aug. 25.
Machine for extracting fluid from cloth or other material. 1,789,132; Jan. 13.
Machine for extruding ophthalmic mountings. R. A. Boswell. 1,814,819; July 14.
Machine for feeding biscuits and the like. J. H. L. Boettcher. 1,801,997; Apr. 21.
Machine for feeding mixed stock. C. G. Sargent and F. L. Furbush. 1,823,955; Sept. 22.
Machine for feeding tacky glutinous material. A. C. Day. 1,795,012; Mar. 3.
Machine for filling containers. R. N. Cundall. 1,826,926; Oct. 13.
Machine for filling flasks for founding. W. F. Piper. 1,816,612; July 28.
Machine for filling molding flasks. L. A. Carter. 1,806,042; May 19.
Machine for finishing the pallets of watch movements. R. Schwaar. 1,831,972; Nov. 17.
Machine for finishing the shanks of shoes. E. F. Hodgkins. 1,806,626; May 26.
Machine for fixing tubular mouthpieces to cigarettes. H. Schünemann. 1,830,446; Nov. 3.
Machine for flanging pipes. F. C. Fantz. 1,804,002; May 5.
Machine for flattening filamentary wire. S. Wadsten. 1,813,592; July 7.
Machine for flipping covers on belts. J. A. Shively. 1,827,674; Oct. 13.
Machine for fluxing and coating electrical conductors. L. E. Poole. 1,789,709; Jan. 20.
Machine for folding and scalloping paper sheets. S. J. Campbell. 1,805,510; May 19.
Machine for folding comb honey sections and applying foundation starters thereto. W. D. Ridgway. 1,837,371; Dec. 22.
Machine for folding or plaiting fabrics. J. Nanterme. 1,827,160; Oct. 13.
Machine for forming and stacking ice cream cones. H. G. Tatosian. 1,804,039; May 5.
Machine for forming and wrapping plastic materials. N. Beatty. 1,834,997; Dec. 8.
Machine for forming bead wires. C. De Puy and R. Brindle, jr. 1,811,457; June 23.
Machine for forming can bodies. M. A. Seaholm. 1,798,439; Mar. 31.
Machine for forming cattle food into compressed bodies. F. E. Johnston. 1,800,890. Apr. 14.
Machine for forming coat hangers. C. H. Baldwin. 1,835,839; Dec. 8.
Machine for forming composite can bodies. V. Hendrickson. 1,807,843; June 2.
Machine for forming electrical coils, etc. E. C. Willy. 1,833,010; Nov. 24.
Machine for forming electrical heating elements. E. L. Wiegand. 1,809,090; June 9.
Machine for forming gear guards. W. H. Wakefield. 1,817,115; Aug. 4.
Machine for forming glassware. L. D. Soubier. 1,834,433; Dec. 1.
Machine for forming heel blocks. N. L. Gulliford. 1,829,711; Oct. 27.
Machine for forming heel seat parts on high heeled shoe soles. E. J. Goodwin. 1,835,489; Dec. 8.
Machine for forming hemispherical caps with sealing lips. W. H. Carson. 1,814,546; July 14.
Machine for forming hollow glass articles. B. McGovern. 1,789,471; Jan. 20.
Machine for forming openings in piping. W. L. Enghauser. 1,813,152; July 7.
Machine for forming ovals. E. Laffineur and L. Collin. 1,836,853; Dec. 15.
Machine for forming paper, cardboard or like blanks. J. W. Chalmers. 1,833,410; Nov. 24.
Machine for forming pastry cups. E. Hamwi. 1,809,848; June 16.
Machine for forming toilet seat covers. W. Stahly. 1,835,439; Dec. 8.
Machine for forming tubular fabrics. H. M. Bunker. 1,828,554; Oct. 20.
Machine for forming wafer cornets. C. Winzer. 1,800,852; Apr. 14.
Machine for forming yarn packages. A. L. Remington and A. J. Javery. 1,808,573; June 2.
Machine for gluing cartons. C. G. G. Schmidt. 1,812,666; June 30.
Machine for grinding and polishing floors. N. Ivanovici. 1,787,528; Jan. 6.
Machine for grinding and refining paint, cellulose, chocolate, chemicals, and such like materials. J. McIntyre. 1,838,565; Dec. 29.
Machine for grinding and sanding rubber printing rollers. G. C. Spicer. 1,836,941; Dec. 15.
Machine for grinding or buffing annular articles. E. D. Putt. 1,816,494; July 28.
Machine for grinding saws. E. Stauder. 1,813,825; July 7.
Machine for grinding simultaneously two opposed surfaces of articles of prismatic or other shape, especially nuts. A. Jopp. 1,828,663; Oct. 20.
Machine for handling fibrous material. A. H. Olson. 1,812,412; June 30.
Machine for handling molding sand. E. O. Beardsley. 1,804,394; May 12.
Machine for handling slabs. A. E. Appleyard. 1,837,846; Dec. 22.
Machine for hardening the bearing points of driving shafts and the like. F. Klopp. 1,801,090; Apr. 14.
Machine for harvesting sugar cane, Motor-driven. J. J. M. Elias. 1,790,204; Jan. 27.
Machine for hulling nuts and the like. O. A. Milam. 1,837,369; Dec. 22.
Machine for indicating weight and functions of weight. R. Craig. 1,813,029; July 7.
Machine for inserting fastenings. G. Goddu. 1,796,452; Mar. 17.
Machine for inserting fastenings. G. Goddu. 1,815,295; May 19.
Machine for inspecting, splicing, and rewinding motion picture films. A. C. Hayden. 1,809,339; June 9.
Machine for interfolding sheets of cigarette papers. R. Braunstein. 1,809,671; June 9.

Machine for kneading and pulling out dough-like masses. H. Thürlings. 1,833,727; Nov. 24.
Machine for knitting pile fabrics. C. H. Breaithwaite. 1,838,739; Dec. 29.
Machine for knitting spliced fabrices and knitting the same. A. E. Page. 1,803,865; May 5.
Machine for knitting terry looped fabric. H. McAdams. 1,800,092; Apr. 7.
Machine for knitting tubular envelopes. F. Meiwald. 1,814,324; July 14.
Machine for lacing shoe uppers. H. D. Elliott. 1,831,348; Nov. 10.
Machine for lasting shoes. F. Sahr. 1,833,229; Nov. 24.
Machine for laying breast covers on heels. N. H. Knowlton. 1,799,302; Apr. 7.
Machine for making absorbent pads. K. Wandel. 1,825,492; Sept. 29.
Machine for making and setting one piece can liners. A. Yancey. 1,802,229; Apr. 21.
Machine for making articles from pulpous material. J. S. Little. 1,831,018; Nov. 10.
Machine for making artificial building stone. J. Knecht. 1,792,844; Feb. 17.
Machine for making blue prints and other photoprints. H. J. Brunk. 1,804,739; May 12.
Machine for making blue prints and other photoprints. T. Lord and H. J. Brunk. 1,804,796; May 12.
Machine for making boxes. F. M. Joslin. 1,814,043; July 14.
Machine for making boxes. E. Craig. 1,836,226; Dec. 15.
Machine for making cases for books. W. Steinmann. 1,838,464; Dec. 29.
Machine for making clothes pegs. K. Prönnecke. 1,811,559; June 23.
Machine for making coat hangers. W. J. Rehrig. 1,820,249; Aug. 25.
Machine for making composite boards. G. W. Swift, jr. 1,837,841; Dec. 22.
Machine for making composite material. L. T. Frederick. 1,831,064; Nov. 10.
Machine for making composite sheets. H. W. Cooper. 1,830,522; Nov. 3.
Machine for making compresses. W. C. Henderson. 1,802,814; Apr. 28.
Machine for making containers. A. Schroeder. 1,827,545; Oct. 13.
Machine for making cream caramels and other caramels. M. Pönisch. 1,839,050; Dec. 29.
Machine for making cup washers. W. S. Griffith. 1,830,272; Nov. 3.
Machine for making diapers. A. E. Clark. 1,826,925; Oct. 13.
Machine for making D-handles. W. A. Ready. 1,829,809; Nov. 3.
Machine for making fabric. C. F. Kappler. 1,803,476; May 5.
Machine for making frame parts for hand bags. D. Karron. 1,790,506; Jan. 27.
Machine for making glassware. P. Arbeit. 1,805,796; July 14.
Machinery for making hollow rubber balls. W. E. Humphrey. 1,801,085; Apr. 14.
Machine for making infusions of coffee and other material. H. A. Medin. 1,837,368; Dec. 22.
Machine for making inlaid floor coverings. G. V. Anderson. 1,810,869; June 16.
Machine for making insulated wire. B. H. Reeves. 1,789,881–2; Jan. 20.
Machine for making insulated wire. B. H. Reeves. 1,836,771; Dec. 15.
Machine for making insulating bats. F. W. Harney. 1,834,309; Dec. 1.
Machine for making multiple seams. J. P. Weis. 1,809,460; June 9.
Machine for making multiply building board. H. A. Cumfer. 1,802,878; Apr. 28.
Machine for making paper boxes. H. A. Gustafson. 1,801,739; Apr. 21.
Machine for making paper boxes or the like. S. Bergstein. 1,808,014; June 2.
Machine for making paper covered incense cords. C. Horiguchi. 1,808,111; June 2.
Machine for making paper covered ironing boards. J. E. Kalgren. 1,806,205; May 19.
Machine for making pile fabrics. P. S. Smith. 1,822,509–10; Sept. 8.
Machine for making pivot pins. J. Q. Holmes. 1,814,250; July 21.
Machine for making plaster bases or supports. E. S. Hall. 1,798,531; Mar. 31.
Machine for making printers' leads, slugs, and rules. A. H. Hedly. 1,800,938; Apr. 14.
Machine for making printer's leads, slugs, and rules. A. H. Hedly. 1,806,257; May 19.
Machine for making printing plates. J. S. Duncan and H. E. Hubbard. 1,831,103; Nov. 10.
Machine for making radiating tubes. J. W. Vance. 1,829,202; Oct. 27.
Machine for making rotors. H. Gilgram and M. F. Hill. 1,798,059; Mar. 24.
Machine for making rugs, coverings, and the like. R. B. Kalbach. 1,832,636; Nov. 17.
Machine for making sandwiches. M. Joachimson. 1,816,536; July 28.
Machine for making shells for automobile heaters and the like. T. H. Roberts and J. R. Holmes. 1,805,261; May 12.
Machine for making spirally-wound tubes. C. F. Smith. 1,798,909; Mar. 31.
Machine for making spirally-wound tubes. C. F. Smith. 1,833,378; Nov. 24.
Machine for making stereotype plates for printing for the blind. J. R. Atkinson, R. Goodell, and J. K. Stege. 1,832,683; Nov. 17.
Machine for making tiles. C. E. Stockdale. 1,835,914; Dec. 8.
Machine for making twisted brushes. H. Hertzberg. 1,824,140; Sept. 22.
Machine for making wafer biscuits and the like. J. H. Bates. 1,798,515; Mar. 31.
Machine for making wire strands, ropes, and cables. E. A. Conner. 1,823,424; Sept. 15.
Machine for making wreaths. B. A. Smyser. 1,796,899; Mar. 17.
Machine for manufacture of rotary cutting tools. A. Tscherne. 1,799,608; Apr. 7.
Machine for manufacturing book backs. A. Vidor. 1,795,187; Mar. 3.
Machine for manufacturing building material. H. A. Toulmin, jr. 1,796,636; Mar. 17.
Machine for manufacturing bushings. G. F. Yager. 1,821,199; Sept. 1.
Machine for manufacturing floor mats for motor vehicles. W. H. Leavenworth. 1,827,709; Oct. 13.
Machine for manufacturing heat-radiating elements. W. J. Still. 1,788,895; Jan. 13.
Machine for manufacturing multiple course papers, cardboards, and the like. G. Knopp. 1,829,660; Oct. 27.
Machine for manufacturing prepared roofing. R. Maclean. 1,794,719; Mar. 3.
Machine for manufacturing receptacles. J. J. Bacon. 1,828,636; Oct. 20.
Machine for manufacturing rubber belts. R. M. Johnson. 1,809,803; June 9.
Machine for marking articles. D. D. Vandercook, E. O. Vandercook, and F. R. Vandercook. 1,789,851; Jan. 20.
Machine for marking, ornamenting and cementing shoes. B. W. Freeman, W. S. Herschel, and H. E. Patterson. 1,817,359; Aug. 4.
Machine for measuring and feeding granular material. T. Martin. 1,815,321; July 21.
Machine for measuring unbalance in a rotative body. H. B. McCabe. 1,800,553; Apr. 14.
Machine for mending knitted, woven, or similar articles. D. Torgersen. 1,836,296; Dec. 15.
Machine for mending runs in fabrics. R. M. Markus. 1,825,806; Oct. 6.
Machine for mending runs in knitted fabrics. R. M. Markus. 1,832,939; Nov. 24.
Machine for milling and planing profiled elements of wood, leather, and the like. P. Bastian, jr. 1,810,811; June 16.
Machine for milling bearing balls. G. Vuille. 1,835,830; Dec. 8.
Machine for mixing concrete and the like. A. G. Reed. 1,819,756; Aug. 18.
Machine for mixing or masticating rubber and like material. D. R. Bowen. 1,787,507; Jan. 6.
Machine for molding and shaping rolls and the like. J. von Berg. 1,798,007; Mar. 24.
Machine for molding pie casings. E. Christiansen. 1,813,907; July 14.
Machine for molding plastic material. N. L. Bigton and L. X. Garfunkel. 1,836,006–7; Dec. 15.
Machine for opening, scutching, and similarly treating cotton and other fibrous materials. C. Schofield. 1,815,593; July 21.
Machine for operating on fruits and the like. J. H. Stansbury. 1,835,190; Dec. 8.
Machine for operating on heels. T. Lund. 1,818,142; Aug. 11.
Machine for operating on welting. J. Gouldbourn and R. B. Woodcock. 1,815,471; July 21.
Machine for operating upon boot and shoe soles. W. Holmes and C. H. James. 1,796,103; Mar. 10.
Machine for operating upon heels. J. H. Pope. 1,800,568; Apr. 14.
Machine for operating upon heel blanks. W. C. Baxter. 1,799,275; Apr. 7.
Machine for operating upon hides, skins, and leather. G. E. McLaughlin. 1,816,154; July 28.
Machine for operating upon hides, skins, and leather. J. W. O'Donnell. 1,807,669; June 2.
Machine for operating upon soles. C. J. Meek. 1,824,962; Sept. 29.
Machine for operating upon soles. A. F. Pym. 1,790,837; Feb. 3.
Machine for operating upon ticket strips. F. W. Iaencher. 1,799,912; Apr. 7.
Machine for ornamenting shoe parts. A. W. Altvater. 1,834,919; Dec. 8.
Machine for packaging straws and the like. A. M. Goldstein and M. Garfinkel. 1,825,058; Sept. 29.
Machine for pasting hinges on book covers. J. Taupin. 1,792,664; Feb. 17.
Machine for perforating rim lugs. W. N. Booth. 1,812,133; June 30.

Machine for perforating sheets of paper and fastening the same together. A. Parker. 1,800,101; Apr. 7.
Machine for picking poultry. H. Grathwohl. 1,833,571; Nov. 24.
Machine for placing rings in envelopes. E. R. Hellman. 1,794,517; Mar. 3.
Machine for placing rings on bobbins. M. W. Hambleton and B. F. Morrill. 1,793,285; Feb. 17.
Machine for planing the surfaces of pavements. C. R. Blood and H. J. Humbert. 1,812,771; June 30.
Machine for polishing or glossing collars, cuffs, and the like. F. Greenwood and S. J. Appleyard. 1,789,741; Jan. 20.
Machine for preparing cutter disks. H. A. Kessler. 1,831,869; Nov. 17.
Machine for preparing slices of bread and butter. W. Steinkellner. 1,796,412; Mar. 17.
Machine for preparing typewritten copy. E. L. Morss, A. W. Buckwell, and C. G. Smith. 1,829,233; Oct. 27.
Machine for pressing books. P. A. Frazier. 1,815,372; July 21.
Machine for printing floor coverings. A. Jones and H. A. Webster. 1,788,397; Jan. 13.
Machine for processing and washing eggs. L. W. Finley. 1,814,374; July 14.
Machine for processing fabric. G. Heberlein. 1,803,968; May 5.
Machine for processing fibrous filling materials. M. Goldberg. 1,802,249; Apr. 21.
Machine for processing materials. C. W. Vogt. 1,791,773; Feb. 10.
Machine for producing channel strips. E. W. Livensparger. 1,818,227; Aug. 11.
Machine for producing coiled bodies. J. W. Ekstedt. 1,795,767; Mar. 10.
Machine for producing gears. B. E. Shlesinger. 1,797,372; Mar. 24.
Machine for producing insulating lumber. O. R. Sweeney. 1,814,268; July 14.
Machine for producing paper signatures. R. Hitchcock. 1,831,245; Nov. 10.
Machine for producing spiral bevel gears. E. L. Fickett. 1,796,515; Mar. 17.
Machine for producing stamped impressions, marks, and the like. U. Kohler. 1,791,451; Feb. 3.
Machine for producing tape loops. M. Cotte. 1,804,916; May 12.
Machine for producing wood pulp. J. A. Wiener. 1,795,063; Mar. 3.
Machine for producing wooden blocks. L. E. Blood. 1,801,244; Apr. 14.
Machine for producing yarns or threads of fibrous substances. A. Stell. 1,795,351; Mar. 10.
Machine for profiling gear teeth. C. H. Schurr. 1,832,507; Nov. 17.
Machine for pulling and grinding stalks. J. B. Bailey. 1,821,131; Sept. 1.
Machine for rebabbiting connecting rods. C. A. Brown. 1,830,423; Nov. 3.
Machine for refining paper and pulp. L. H. Wessel and H. N. Booker. 1,806,272; May 19.
Machine for removing and replacing piston wrist pins. E. O. Minor. 1,810,884; June 16.
Machine for removing box covers. C. J. Carlson. 1,837,015; Dec. 15.
Machine for removing skins from pork bellies. G. Morrison. 1,790,592; Jan. 27.
Machine for removing the surface scale from metal plates. W. Meacher. 1,804,537; May 12.
Machine for repairing knitted fabrics. A. C. Parlini. 1,818,745; Aug. 11.
Machine for repairing knitted fabrics. A. C. Parlini. 1,818,747; Aug. 11.
Machine for repairing knitted fabrics. J. S. Pecker. 1,811,329; June 23.
Machine for repairing knitted fabrics. J. S. Pecker. 1,811,331; June 23.
Machine for repairing runs in fabrics. W. H. Leavin. 1,824,437; Sept. 22.
Machine for rewinding webs of papers applicable for similar purposes. C. H. Webster. 1,806,774; May 26.
Machine for riveting lugs to a tire carrying rim. W. N. Booth. 1,825,175; Sept. 29.
Machine for riveting spokes of vehicle wire wheels. W. N. Booth. 1,812,032; June 30.
Machine for roller leveling and stretching steel sheets. T. L. Thomas. 1,811,599; June 23.
Machine for rolling metallic disks. J. W. Smith. 1,788,550; Jan. 13.
Machine for rolling sheet-metal shapes. A. Rafter. 1,792,122; Feb. 10.
Machine for rolling tapered disks. J. W. Smith. 1,788,551; Jan. 13.
Machine for rolling tubes. C. Mehlum. 1,837,879; Dec. 22.
Machine for rounding and jointing the backs of books. C. Schramm. 1,802,355; Apr. 28;
Machine for routing stair stringers. G. Mackay. 1,808,962; June 9.
Machine for sawing materials at various angles. R. E. Johnson. 1,807,216; May 26.
Machine for sawing under water. J. G. De Kater. 1,806,013; May 19.
Machine for scattering grass and hay, Transportable. S. Siegenthaler. 1,790,447; Jan. 27.
Machine for sealing containers. W. E. Molins and J. W. Chalmers. 1,817,831; Aug. 4.
Machine for seaming can heads. P. Kruse. 1,805,288; May 12.
Machine for separating liquids from solid bodies mixed or suspended therein. R. E. Wagner and J. D. Ullgren. 1,817,594; Aug. 4.
Machine for separating wires of cables. J. Q. Holmes. 1,831,114; Nov. 10.
Machine for severing composite glass sheets and the like. W. Owen. 1,825,886; Oct. 6.
Machine for shaping and renovating hats. J. H. Johnson. 1,822,971; Sept. 15.
Machine for shaping uppers over lasts. A. Bates. 1,813,983; July 14.
Machine for shaping uppers over lasts. G. Goddu. 1,815,297; July 21.
Machine for sharpening wooden toothpicks and other similar articles. M. Etchart. 1,789,682; Jan. 20.
Machine for sizing and punching vehicle wheel rims. W. N. Booth. 1,807,824; June 2.
Machine for slicing fresh meat. J. A. Rankin. 1,811,186; June 23.
Machine for snelling fishhooks. L. E. Baltzley. 1,814,464; July 14.
Machine for sorting and counting paper money. A. E. Lard. 1,803,624; May 5.
Machine for sorting feathers. H. Bauer. 1,833,927; Dec. 1.
Machine for spinning, doubling, twisting, and the like, yarns, fibers, and the like. T. E. Andrew, M. Langstreth, and J. Bancroft. 1,823,638; Sept. 15.
Machine for splitting open, cleaning, and boning fish. R. Baader. 1,819,060; Aug. 18.
Machine for spreading and surfacing construction material. J. H. Mosel and C. I. Bohmer. 1,817,161; Aug. 4.
Machine for spreading bituminous mixtures. G. H. Perkins and R. C. Shoemaker. 1,794,317; Feb. 24.
Machine for stamping marks on wire or the like. F. E. Stahl. 1,800,704; Apr. 14.
Machine for stamping rear ends of boxes. J. S. Phelps. 1.838,153; Dec. 29.
Machine for straightening rods and pipes. T. W. Hartley. 1,832,631; Nov. 17.
Machine for stretching and drying skins. L. H. Hamel. 1,830,359; Nov. 3.
Machine for stretching coils. R. Brindle, jr. 1,830,222; Nov. 3.
Machine for stripping tobacco leaves. C. G. B. Rothelius. 1,810,792; June 16.
Machine for stripping tobacco leaves. F. W. Wehmann and E. R. Dahlström. 1,826,376; Oct. 6.
Machine for surfacing hat bodies. F. E. Kauffmann. 1,809,709; June 9.
Machine for the manufacture of airscrews. F. W. Dose. 1,825,182; Sept. 29.
Machine for the manufacture of glued shoes. H. Walther. 1,828,265; Oct. 20.
Machine for the manufacture of hollow articles. J. J. Jensen. 1,812,242; June 30.
Machine for the manufacture of steel chain. G. Barkstrom. 1,792,061; Feb. 10.
Machine for the mechanical extraction of bast from stalks of plants, such as ramie, jute, and mallows. M. Einstein. 1,797,763; Mar. 24.
Machine for the polishing of finger nails, Coin-in-the-slot. L. W. Schaaff. 1,821,034; Sept. 1.
Machine for the production of artificial flowers. G. Bontempi. 1,820,524; Aug. 25.
Machine for the production of cinematograph and other films. J. E. Thornton. 1,834,355; Dec. 1.
Machine for the production of expanded metal. H. A. Kessler. 1,797,506; Mar. 24.
Machine for the reproduction of sculpture. E. Quattrocchi. 1,795,887; Mar. 10.
Machine for the treatment of rubber forming devices. Y. H. Kurkjian. 1,814,712; July 14.
Machine for the wet treatment of textile material. A. Perl. 1,836,086; Dec. 15.
Machine for thrashing and scutching flax. H. C. Watson and M. Waddell. 1,795,530; Mar. 10.
Machine for trade-marking and grade-marking lumber. J. J. Miller. 1,796,609; Mar. 17.
Machine for treating hat bodies. G. W. Cuming. 1,823,880; Sept. 22.
Machine for treating webs of fabrics in the open state. H. Karrer. 1,814,706; July 14.
Machine for treating wood to produce a weathered or antique appearance. E. Schmid. 1,802,069; Apr. 21.
Machine for trimming abrasive wheels. H. G. Weinland and G. E. Vance. 1,833,667; Nov. 24.
Machine for trimming and hemming fabric sections. A. S. Riviere. 1,807,552; May 26.
Machine for trimming heel-breast coverings. N. H. Knowlton. 1,832,130; Nov. 17.
Machine for trimming heel covers. W. H. Nutt and N. H. Knowlton. 1,836,185; Dec. 15.
Machine for trimming the capsules or sealing covers of bottles, jars, or like containers. J. E. Lee. 1,806,475; May 19.
Machine for trimming the tuft yarns of tube frames. G. H. Simonson. 1,825,617; Sept. 29.
Machine for truing automobile brake drums. C. N. Wise. 1,791,546; Feb. 10.

Machine for truing brake band segments. H. F. Scruby. 1,823,065; Sept. 15.
Machine for tubular weaving. A. Poncet. 1,813,762; July 7.
Machine for turning manure piles. J. Giletti. 1,827,358; Oct. 13.
Machine for typewriting music. L. Aillaud. 1,827,451; Oct. 13.
Machine for undulating wire. C. H. Solá. 1,811,098; June 23.
Machine for use in finishing woolen or worsted fabrics. D. Gessner. 1,832,377; Nov. 17.
Machine for use in the manufacture of boots and shoes. N. H. Knowlton. 1,824,959; Sept. 29.
Machine for use in the manufacture of shoes. F. Hume. Re18,179; Sept. 8.
Machine for use in the manufacture of shoes. A. F. Pym. 1,833,123; Nov. 24.
Machine for vending articles. G. Morrison. 1,827,900; Oct. 20.
Machine for vending stamps and the like. A. L. Zent. 1,822,258; Sept. 8.
Machine for washing rugs and the like. H. Klein. 1,813,297; July 7.
Machine for washing tumblers and like liquid receptacles. A. Griffiths. 1,838,940; Dec. 29.
Machine for washing wool and other fibrous materials. T. W. Hawkins. 1,820,798; Aug. 25.
Machine for welding flues. W. A. Duncan. 1,798,074; Mar. 24.
Machine for winding cone warps. J. V. Moore and C. Jenisch. 1,834,961; Dec. 8.
Machine for winding elastic or other thread around spherical bodies. G. E. Turpin. 1,795,381; Mar. 10.
Machine for winding hollow bodies under abnormal pressure. A. C. Badger. 1,790,787; Feb. 3.
Machine for winding spiral springs and inserting the wound springs in drums. J. P. Appleby. 1,790,218; Jan. 27.
Machine for working wood. W. T. Aubertin. 1,789,398; Jan. 20.
Machine for wrapping cigars and other elongated bodies. F. Groer. 1,811,751; June 23.
Machine for writing a plurality of signatures. D. W. Hemming. 1,802,651; Apr. 28.
Machine frame, Photographic-printing-. C. D. Newton and R. De Silva. 1,796,213; Mar. 10.
Machine head, Adjustable. R. E. De Walt. 1,813,568; July 7.
Machine head, Universal. J. Kis. 1,834,716; Dec. 1.
Machine serving to determine or verify the position of the filament of an electric lamp. A. J. B. Marsat. 1,815,109; July 21.
Machine transmission, Milling. F. A. Parsons. 1,818,089; Aug. 11.
Machine wrench. W. Ferris. 1,823,426; Sept. 15.
Machinery for making barrels. E. Craig. 1,831,653; Nov. 10.
Machines and for the increasing the thickness of sheets emanating therefrom, Device for increasing the capacity of wet. S. Norman. 1,801,238; Apr. 14.
Machines or cylinders, Sealing ring for rotating. B. E. Green. 1,794,454; Mar. 3.
Magazine. S. G. Green. 1,808,106; June 2.
Magazine binder. H. T. Arends. 1,791,784; Feb. 10.
Magazine, Camera. A. Briechle. 1,835,457; Dec. 8.
Magazine, Cigarette. A. Friedrichs. 1,835,595; Dec. 8.
Magazine feed for cone winders. R. C. Jordan. 1,818,223; Aug. 11.
Magazine feed mechanism for machine guns. J. M. Browning. 1,800,595; Apr. 14.
Magazine, Film. E. Goldberg. 1,802,598; Apr. 28.
Magazine for machine pistols. H. Schmeisser. 1,833,862; Nov. 24.
Magazine for rapid-fire guns. T. M. Jervey. 1,790,867; Feb. 3.
Magazine for shuttle bobbins for automatic looms. E. Egli. 1,823,791; Sept. 15.
Magazine for stacked articles. E. L. Bouton. 1,803,052; Apr. 28.
Magazine, Music roll. J. H. Dickinson. 1,808,808; June 9.
Magazine, Pin-paper. W. E. Winn. 1,787,848; Jan. 6.
Magazine rack. A. B. Wendel. 1,797,032; Mar. 17.
Magazine rack, Linotype-. J. F. Bangert. 1,793,540; Feb. 24.
Magazine talking machine. R. F. Mallina. 1,838,101; Dec. 29.
Magazines and matrices, Cleaning. H. R. Freund. 1,804,331; May 5.
Magic tank. P. Herbst. 1,796,566; Mar. 17.
Magnesia mixture, Plastic. H. S. Lukens and N. H. Smith. 1,838,147; Dec. 29.
Magnesium alloys, Improving. H. Menking. 1,802,265; Apr. 21.
Magnesium and alloys thereof, Casting. J. E. Hoy. 1,802,946; Apr. 28.
Magnesium and alloys thereof, Electroplating. I. A. Kenaga. 1,801,629; Apr. 21.
Magnesium and its high-percentage alloys, Treating molten. A. Beck, W. Schmidt, and G. Schreiber. 1,788,185; Jan. 6.
Magnesium chloride and other magnesium salts of high purity, Making. R. C. Lord. 1,808,362; June 2.
Magnesium chloride, Concentrating solutions of. S. B. Heath. 1,789,385; Jan. 20.
Magnesium chloride content in air dried magnesium chloride, Increasing anhydrous. E. O. Barstow. 1,837,353; Dec. 22.
Magnesium chloride, Dehydration of. A. K. Smith and W. R. Veazey. 1,835,818; Dec. 8.
Magnesium chloride from chlorine and magnesium base, Making. W. R. Collings. 1,801,661; Apr. 21.
Magnesium compounds from potash salts, Separating. F. Rusberg. 1,820,160; Aug. 25.
Magnesium, Cyclic process for producing. E. O. Barstow and S. B. Heath. 1,800,589; Apr. 14.
Magnesium directly, by electrolysis, of a fused bath, Producing substantially pure metallic. R. M. Hunter. 1,820,022; Aug. 25.
Magnesium in vacuum, Method and arrangement for dispersing. S. Loewe. 1,833,117; Nov. 24.
Magnesium, Manufacture and purification of. A. Jessup. 1,816,972; Aug. 4.
Magnesium oxide in tablet form, Preparing. F. Crossley. 1,831,409; Nov. 10.
Magnesium oxychloride mixture and making the same. H. S. Lukens. 1,811,799; June 23.
Magnesium-tin-zinc alloy. R. T. Wood. 1,831,987; Nov. 17.
Magnesium, Treating. E. C. Burdick. 1,795,473; Mar. 10.
Magnet and relay. H. K. Kouyoumjian. 1,790,271; Jan. 27.
Magnet coil and making same. R. A. Connor. 1,819,638; Aug. 18.
Magnet core. W. Ehlers. 1,812,740; June 30.
Magnet core. G. A. Kelsall. 1,809,042; June 9.
Magnet core. P. N. Roseby. 1,789,477; Jan. 20.
Magnet for turbo-generators, Rotating field. O. T. Blathy. 1,822,723; Sept. 8.
Magnet, Polyphase. O. F. Shepard. 1,789,417; Jan. 20.
Magnet, Solenoid. P. Trombetta. 1,830,628; Nov. 3.
Magnet system for converting electrical into mechanical energy or inversely. R. Vermeulen and A T. van Urk. 1,817,787; Aug. 4.
Magnetic body. H. Lathrop. 1,818,070; Aug. 11.
Magnetic brake. C. C. Farmer. 1,790,208; Jan. 27.
Magnetic brake. C. C. Farmer. 1,824,043; Sept. 22.
Magnetic chuck and circuits therefor. W. Arter, H. Arter, and S. T. Webster. 1,816,888; Aug. 4.
Magnetic control for antennæ. E. H. Hand. 1,801,042; Apr. 14.
Magnetic core for coils and the like. S. Beckinsale and H. J. Allcock. 1,836,746; Dec. 15.
Magnetic core for electrical apparatus. M. O. Troy. 1,805,534; May 19.
Magnetic cores, Making. R. C. Shermund. 1,827,376; Oct. 13.
Magnetic declination, deviation, and drift, Device for correcting for. D. M. Wolf and J. O. York. 1,833,345; Nov. 24.
Magnetic device. R. R. Batcher. 1,805,459; May 12.
Magnetic device. D. D. Miller and E. J. Pratt. 1,795,499; Mar. 10.
Magnetic device. H. F. Porter. 1,803,868; May 5.
Magnetic device. H. F. Porter and D. M. Scott. 1,815,380; July 21.
Magnetic device. E. J. Pratt. 1,795,439; Mar. 10.
Magnetic field, Device for determining the direction of the flow of a. W. A. Loth. 1,796,295; Mar. 17.
Magnetic field generator, Electric. F. M. Henry. 1,835,870; Dec. 8.
Magnetic field intensities, Process and apparatus for measuring. P. E. Klopsteg. 1,832,128; Nov. 17.
Magnetic handling apparatus. H. H. Raymond. 1,798,629; Mar. 31.
Magnetic material. G. W. Elmen. 1,792,483; Feb. 17.
Magnetic material. G. W. Elmen. 1,818,054; Aug. 11.
Magnetic material. R. Goldschmidt and H. Sprung. 1,801,150; Apr. 11.
Magnetic material. J. E. Harris. 1,790,704; Feb. 3.
Magnetic material. J. H. White and V. E. Legg. 1,787,606; Jan. 6.
Magnetic material, Conveying. R. O. Wertz. 1,812,505; June 30.
Magnetic materials and separating them from other materials, Collecting. J. N. McCracken. 1,804,998; May 12.
Magnetic modulator. N. E. Lindenblad. 1,794,717; Mar. 3.
Magnetic motor, Permanent magnet. A. Powell. 1,835,721; Dec. 8.
Magnetic pickup. R. T. Cloud. 1,831,589; Nov. 10.
Magnetic pick up. H. P. Donle. 1,822,841; Sept. 8.
Magnetic pick-up device. V. H. Emerson. 1,807,654; June 2.
Magnetic pick-up device. S. McClatchie. 1,830,801; Nov. 10.
Magnetic product and making the same. T. D. Yensen. 1,807,021; May 26.
Magnetic punchings, Annealing. L. E. Hildebrand. 1,813,802; July 7.
Magnetic saturation control of electric circuits. F. W. Lee. 1,838,315; Dec. 29.
Magnetic separating composition. E. Brandus. 1,823,852; Sept. 15.
Magnetic separating machine. G. Ullrich. 1,797,597; Mar. 24.
Magnetic separating machine. G. Ullrich. 1,816,305; July 28.

Magnetic separator. F. R. Johnson. 1,836,252; Dec. 15.
Magnetic structure. J. C. Chaston and J. P. Johns. 1,795,639; Mar. 10.
Magnetic structure. E. Fischer. 1,832,290; Nov. 17.
Magnetic structures, Making. J. W. Andrews. 1,826,711; Oct. 13.
Magnetic structures, Supporting. L. L. Jones. 1,808,778; June 9.
Magnetic testing apparatus. J. A. Rodgers. 1,819,201; Aug. 18.
Magnetic testing, Method of and apparatus for. C. Kinsley. 1,790,819; Feb. 3.
Magnetic testing, Method of and apparatus for. C. Kinsley. 1,813,746; July 7.
Magnetically operated switch. F. A. Boedtcher. 1,823,252; Sept. 15.
Magnetizable material, Apparatus for testing. C. W. Burrows. 1,801,328; Apr. 21.
Magnetizable objects, Apparatus for testing. C. W. Burrows and E. S. Imes. 1,800,676; Apr. 14.
Magnetizable objects, Method of and apparatus for testing. E. S. Imes. 1,807,411; May 26.
Magnets, Pale shader for alternating current. P. Trombetta. 1,837,928; Dec. 22.
Magnets together, Securing damping. F. P. Lauffer. 1,834,409; Dec. 1.
Magneto. P. Brown. 1,803,543; May 5.
Magneto. T. G. Louis. 1,827,323; Oct. 13.
Magneto. A. T. Murray and J. F. Martin. 1,837,231; Dec. 22.
Magneto. J. Struthers. 1,795,282; Mar. 3.
Magneto. E. A. Watson. 1,838,339; Dec. 29.
Magneto. E. F. Weston. 1,805,608; May 19.
Magneto breaker adjustment. G. F. Kuehn. 1,813,809; July 7.
Magneto electric machine. J. M. Heinrich. 1,817,410; Aug. 4.
Magneto generator. E. A. Johnston. 1,832,934; Nov. 24.
Magneto mounting attachment. G. J. Lang and J. F. Martin. 1,818,721; Aug. 11.
Magneto ventilation. G. F. Kuehn. 1,813,808; July 7.
Magnetometer. S. Shimizu. 1,819,797; Aug. 18.
Magnetos, Adjusting device for. J. F. Martin. 1,810,367; June 16.
Magnifier. R. Richter. 1,794,419; Mar. 3.
Magnifying apparatus. A. Konieczny. 1,793,623; Feb. 24.
Magnifying device. F. L. Fuller. 1,804,464; May 12.
Magnifying device. O. Rennicke. 1,798,953; Mar. 31.
Magnifying glass. W. Märtens. 1,804,105; May 5.
Magnifying glass. E. H. Storm. 1,830,377; Nov. 3.
Magnifying glass. W. D. Teague. Des. 85,791; Dec. 15.
Magnifying measuring instrument. D. H. O'Meara. 1,803,483; May 5.
Mail, Apparatus for stacking. R. Hill. 1,819,556; Aug. 18.
Mail bag. G. McBride. 1,797,961; Mar. 24.
Mail bag carrier. K. J. Evans and A. O. Williams. 1,819,598; Aug. 18.
Mail bag, Fireproof. H. B. Peyton. 1,811,150; June 23.
Mail bag hook. R. A. Taylor. 1,822,830; Sept. 8.
Mail bags and other loads from aircraft, Apparatus for lowering. H. E. S. Holt. 1,834,840; Dec. 1.
Mail box. H. H. Cook. 1,792,821; Feb. 17.
Mail box. J. A. Horch. 1,791,243; Feb. 3.
Mail box. F. I. Jaden. 1,810,769; June 16.
Mail box. D. Quinn. 1,810,058; June 16.
Mail box. G. H. Reimer. Des. 83,008; Jan. 6.
Mail box. G. H. Reimer. Des. 84,494; June 23.
Mail box. D. H. Templeton. 1,813,516; July 7.
Mail box. A. Zapart. 1,807,611; June 2.
Mail box, Adjustable. W. D. Redrup and J. C. Gustafson. 1,819,790; Aug. 18.
Mail box, Adjustable. W. F. Wemhoener. 1,797,489; Mar. 24.
Mail box, Illuminated. J. Rentler. 1,797,793; Mar. 24.
Mail box, Illuminated built-in. J. H. Wegehoft. 1,819,398; Aug. 18.
Mail box. Magazine. W. H. Reimer. Des. 84,371; June 9.
Mail box, Rural. J. S. Swanlund. 1,817,718; Aug. 4.
Mail box station. M. M. Harmony. 1,817,191; Aug. 4.
Mail box switch. S. Lang. 1,808,235; June 2.
Mail boxes, Coin holder for. D. A. Lighty. 1,803,715; May 5.
Mail, Device for transferring aeroplane. L. O. Miller. 1,802,730; Apr. 28.
Mail distributing device. J. Weiner. 1,812,419; June 30.
Mail distributing machine. A. Ielfield. 1,823,741; Sept. 15.
Mail or the like, Salvaging device for. M. Vukovich and W. E. Berry. 1,835,731; Dec. 8.
Mail receiver. Z. L. Fanchier. 1,805,393; May 12.
Mail-receiving device for doors. B. F. Foss. 1,824,881; Sept. 29.
Mail separating and distributing machine. D. G. Werner. 1,832,517; Nov. 17.
Mail unloading and pick up apparatus, Air. F. W. Weidman. 1,821,599; Sept. 1.
Mailing case. C. W. Cannon. 1,796,320; Mar. 17.
Mailing machine. R. Cossock. 1,823,644; Sept. 15.
Mailing machine. B. Garilus. 1,822,282; Sept. 8.
Mainspring barrel. A. F. Kendle. 1,796,374; Mar. 17.
Making glass, Method and apparatus for. J. K. B. Raeder. 1,820,247; Aug. 25.
Mallet and metal hammer, Combination rubber. J. Widman. 1,823,016; Sept. 15.
Mallet, Automatic surgical. D. Reiter. 1,837,067; Dec. 15.
Mandrel. J. W. Howell. 1,810,275; June 16.
Mandrel de-corer. G. St. Peter. 1,838,011; Dec. 22.
Mandrel, Expanding. C. J. Shenk. 1,825,925; Oct. 6.
Mandrel, Expansion. S. L. Hays. 1,825,865; Oct. 6.
Mandrel for tube rolling mills. P. Multhaupt. 1,819,257; Aug. 18.
Mandrel, Sectional. R. Schroeder. 1,823,956; Sept. 22.
Manfolding device for writing machines. J. S. Fleming. 1,801,493; Apr. 21.
Manganese as a cement for tungsten carbide, Use of. F. C. Kelley. 1,831,567; Nov. 10.
Manganese, Recovery of. C. S. Vadner. 1,807,642; June 2.
Manhole. C. A. Glass. 1,788,998; Jan. 13.
Manhole construction. L. G. Zimmerman. 1,793,038; Feb. 17.
Manhole form of adjustable sections. A. J. Penote. 1,814,738; July 14.
Manicure, Electric. I. M. Eldridge. 1,814,372; July 14.
Manicure set. A. Surdock. 1,831,327; Nov. 10.
Manicure set, Pocket. A. E. Adam and R. Janning. 1,828,121; Oct. 20.
Manicuring appliance. H. Bruninghaus. 1,837,849; Dec. 22.
Manicuring appliance. E. Soreny. 1,816,876; Aug. 4.
Manicuring instrument. H. J. Stevenson and M. Kessler. 1,832,260; Nov. 17.
Manifold. E. M. Beebe. Re17,982; Feb. 24.
Manifold. G. Kingston. 1,809,242; June 9.
Manifold. O. C. Kreis. 1,802,024; Apr. 21.
Manifold. O. C. Kreis. 1,817,382; Aug. 4.
Manifold. F. Purdy. 1,793,509; Feb. 24.
Manifold clamp. S. I. Fekete. 1,799,360; Apr. 7.
Manifold, Engine inlet. O. H. Spencer. 1,818,283; Aug. 11.
Manifold, Exhaust. G. M. Bellanca. Re18,115; June 30.
Manifold for internal-combustion engines. B. Stockfleth and F. W. Burger. 1,793,527; Feb. 24.
Manifold for internal combustion engines, Exhaust. E. R. Godward. 1,828,774; Oct. 27.
Manifold for internal combustion engines, Intake. G. R. Welch. 1,816,163; July 28.
Manifold for supply of supplemental gases to internal combustion engines. A. Moore. 1,808,713; June 2.
Manifold, Hot spot. H. B. Petit. 1,818,270; Aug. 11.
Manifold, Intake. A. W. Frehse. 1,792,828; Feb. 17.
Manifolding. C. W. Brenn. 1,821,905; Sept. 1.
Manifolding. C. W. Brenn. 1,834,138; Dec. 1.
Manifolding. A. A. Johnson. 1,832,305; Nov. 17.
Manifolding apparatus. J. Q. Sherman and A. W. Metzner. 1,807,604; June 2.
Manifolding device. W. O. Critchfield. 1,822,764; Sept. 8.
Manifolding device. G. Q. Degener. 1,836,906; Dec. 15.
Manifolding device. J. S. Fleming. 1,801,491; Apr. 21.
Manifolding device. C. H. James. 1,831,495; Nov. 10.
Manifolding device. W. E. Oliver. 1,836,546; Dec. 15.
Manifolding device with record books. E. K. Bottle. 1,795,470; Mar. 10.
Manifolding machine. W. C. Borchers. 1,803,093; Apr. 28.
Manifolding machine. H. W. Carroll, jr. 1,806,041; May 19.
Manifolding machine. A. A. Johnson. 1,811,636; June 23.
Manifolding machine. J. Q. Sherman and A. W. Metzner. 1,788,252; Jan. 6.
Manifolding machine. J. Q. Sherman and A. W. Metzner. 1,790,680; Feb. 3.
Manifolding machine, Multiple. J. Q. Sherman. 1,825,706; Oct. 6.
Manifolding process. J. Q. Sherman and A. W. Metzner. 1,817,399; Aug. 4.
Manifolding register. A. A. Johnson. 1,815,063; July 21.
Manifolding writing machine. J. S. Fleming. 1,801,495; Apr. 21.
Manikin. H. E. Luhrs. 1,809,635; June 9.
Manikin, Supported. A. M. Sumner. 1,833,503; Nov. 24.
Manikin toy. L. E. Lindgard. 1,834,165; Dec. 1.
Manipulator for ingots, blooms, and the like. J. D. Pugh. 1,828,619; Oct. 20.
Manipulator for rolling mills. A. T. Keller. 1,820,622; Aug. 25.
Manometer. W. A. Baum. 1,821,902; Sept. 1.
Manometer. F. S. Dickinson. 1,819,282; Aug. 18.
Manometer. C. B. Francis. 1,790,044; Jan. 27.
Manometer. L. H. Hill. 1,834,400; Dec. 1.
Manometer. W. B. Weyrick. 1,832,826; Nov. 17.
Manometer gauge. M. O. Jensen. 1,812,152; June 30.
Mantel. S. E. Sloss. 1,830,964; Nov. 10.
Mantel, English. G. A. Simons and G. Freeberg. Des. 83,065; Jan. 13.
Manually operated brake. R. J. Olander. 1,836,276; Dec. 15.
Manufacturing process. C. C. Ritter and H. M. Williams. 1,818,008; Aug. 11.
Manure disposal base, Sanitary poultry and pet stock. E. D. Craig. 1,815,467; July 21.
Manure loader. C. A. Peters. 1,821,074; Sept. 1.
Manure spreader. F. S. Furman. 1,834,022; Dec. 1.
Manure spreader. C. H. Gamble. 1,838,755; Dec. 29.

Manure spreaders, Attachment for. H. Synck. 1,790,730; Feb. 3.
Manure spreaders, Lime spreading attachment for. H. Claar. 1,820,528; Aug. 25.
Manures, Manufacture of. F. Rothe and H. Brenek. 1,823,849; Sept. 15.
Maps, Apparatus for drawing topographic. P. R. Van Buskirk. 1,826,375; Oct. 6.
Map construction. R. S. Blair. 1,820,115; Aug. 25.
Map device, Automobile traveling road. J. S. McNeil. 1,823,209; Sept. 15.
Map display and preservation, Apparatus for. F. H. Swanson. 1,823,996; Sept. 22.
Map folder. F. J. Taylor. 1,809,876; June 16.
Map for automobiles, Road. O. V. Edgerton. 1,823,825; Sept. 15.
Map, Novelty. D. Scoates. 1,823,916; Sept. 22.
Mapping. S. M. Fairchild. 1,822,650; Sept. 8.
Maps, Locating device for. A. H. Pleasants. 1,795,796; Mar. 10.
Maps, Method of and apparatus for making. L. T. Eliel. 1,816,181; July 28.
Marcel iron, Steam. H. Rothman. 1,798,760; Mar. 31.
Marcel wave wrapper clamp. N. F. Clayborn. 1,821,738; Sept. 1.
Marcel waver. J. J. Ryan. 1,819,389; Aug. 18.
Margarin and process, Improved. M. C. Reynolds and A. K. Epstein. 1,815,739; July 21.
Margarine, Handling and wrapping. M. E. Weland. 1,807,458; May 26.
Margin bar. L. J. Sauer. 1,817,168; Aug. 4.
Marginal reenforcement for pockets of rubber balls. W. J. Voit. 1,829,380; Oct. 27.
Marine, Bearing packing and lubricating device. H. C. Eliason. 1,838,053; Dec. 22.
Marine cage. A. T. Cassiere. 1,807,962; June 2.
Marine elevator. H. Barlow. 1,802,042; Apr. 21.
Marine growths impeding navigation, Destroying. E. B. Allen. 1,795,003; Mar. 3.
Marine motor. H. L. Johnson. 1,824,213; Sept. 22.
Marine propulsion device. J. H. Pierce. Re18,118; July 7.
Marine salvage device. F. G. Preston. 1,810,084; June 16.
Marine signal. R. J. Anderson. 1,815,226; July 21.
Marine vessel. W. R. Mestice. 1,813,248; July 7.
Marine way, Floating. F. Bitte. 1,804,667; May 12.
Marker and advertising device, Combination green. S. F. Ratliff. 1,827,826; Oct. 20.
Marker, Book. E. Dittmann. 1,805,732; May 19.
Marker, Book. P. Ockenden. 1,809,943; June 16.
Marker, Cable. J. L. Schork, jr. 1,830,411; Nov. 3.
Marker clip, Price. W. Hoffmann. 1,802,016; Apr. 21.
Marker, Doorlock. J. Perkin. 1,825,474; Sept. 29.
Marker, Dovetail. A. O. Martin. 1,827,156; Oct. 13.
Marker, Floor. J. S. George. 1,816,839; Aug. 4.
Marker, Flue. C. E. Ferguson and C. E. Shockency. 1,817,243; Aug. 4.
Marker for athletic fields. I. A. Palmer. 1,792,441; Feb. 10.
Marker for athletic fields, Line. A. D. Finfrock. 1,835,641; Dec. 8.
Marker for goods, Price. C. W. Skogh. 1,817,105; Aug. 4.
Marker for marking container covers. M. M. Sedwick. 1,807,558; May 26.
Marker for pavements. L. G. Woods. 1,822,916; Sept. 15.
Marker for plants or flowers. D. S. Coppersmith. 1,808,292; June 2.
Marker, Golf. S. P. Sears and J. A. Sullivan. 1,832,947; Nov. 24
Marker, Golf ball. C. R. Long. 1,814,170; July 14.
Marker, Golf ball. J. E. McGinness. 1,817,317; Aug. 4.
Marker, Golf course. J. B. Parsons and J. J. King. 1,807,089; May 26.
Marker, Grave. F. O. Hager. 1,830,836; Nov. 10.
Marker, Grave. W. E. Swift. Des. 85,674; Dec. 1.
Marker, Highway. T. A. Kirton. 1,837,127; Dec. 15.
Marker, Highway. F. Schultz and R. Kuntz. 1,807,015; May 26.
Marker, Land. I. Moore. 1,801,680; Apr. 21.
Marker, Lumber. N. Panabaker. 1,804,801; May 12.
Marker, Meat. J. O. Ker. 1,815,716; July 21.
Marker, Meat. H. H. McKee. 1,806,076; May 19.
Marker, Pavement. M. E. Hartzler and E. P. Romilly. 1,798,467; Mar. 31.
Marker, Pavement. M. E. Hartzler and E. P. Romilly. 1,830,319; Nov. 3.
Marker, Pie and cake. S. W. and M. P. Lastomirsky. 1,834,718; Dec. 1.
Marker plant. P. P. Gredell. 1,814,380; July 14.
Marker, Plant. A. V. Hart and D. B. Thoms. 1,819,708; Aug. 18.
Marker, Planter. C. H. White. 1,805,505; May 19.
Marker post. F. D. Kerr. 1,801,962; Apr. 21.
Marker, Road. J. R. O'Brien. 1,789,446; Jan. 20.
Marker, Road. J. H. Holmgreen and R. H. Glenney. 1,835,218; Dec. 8.
Marker, Road. J. S. Littleford, jr. 1,826,801; Oct. 13.
Marker, Road. H. E. Raife. 1,804,230; May 5.
Marker, Self-setting book. H. G. Heazlewood. 1,789,744; Jan. 20.
Marker, Sewing machine tuck. H. Maashoff. 1,838,694; Dec. 29.
Marker, Sign painter's. C. E. Fridolph. 1,838,383; Dec. 29.
Marker, Street. H. L. Bateman. 1,833,198; Nov. 24.
Marker, Street. L. A. Johnson. 1,825,667; Oct. 6.
Marker, Street. W. M. Powers. 1,811,595; June 23.
Marker, Street. J. Q. Shunk. 1,804,281; May 5.
Marker, Tattoo. H. J. Divekey. 1,798,729; Mar. 31.
Marker, Traffic. J. A. Ledoux. 1,825,003; Sept. 29.
Marker, Traffic. G. D. Myers. 1,802,924; Apr. 28.
Marker, Traffic. G. D. Myers, W. A. Edwards and J. W. Hobing. 1,803,635; May 5.
Marker, Traffic. W. H. Theel. 1,816,502; July 28.
Market quotations, Device for indicating. E. C. Furrer. 1,788,100; Jan. 6.
Market quotations, Device for indicating. E. C. Furrer. 1,800,286; Apr. 14.
Marking device. H. E. Edwards. 1,796,686; Mar. 17.
Marking device. E. H. Huntress. 1,822,098; Sept. 8.
Marking device. W. W. Lasker, jr. 1,831,359; Nov. 10.
Marking device. L. Murnahan. 1,814,488; July 14.
Marking device. G. Serapin. 1,799,570; Apr. 7.
Marking device for vehicle runways. R. Stearns. 1,836,823; Dec. 15.
Marking device for wrapping machines. H. E. Goerke. 1,810,959; June 23.
Marking gauge. K. E. Velling. 1,796,227; Mar. 10.
Marking implement. J. P. Nissen, jr. 1,839,160; Dec. 29.
Marking machine. H. A. Clarke. 1,823,030; Sept. 15.
Marking machine. H. R. Fletcher. 1,817,358; Aug. 4.
Marking machine. F. A. Putman and C. H. Cheeseman. 1,803,132; Apr. 28.
Marking machine, Fruit-. T. R. Brown. 1,790,972; Feb. 3.
Marking means. G. W. Heene. 1,814,312; July 14.
Marking means for electric conduits. H. Bokelmann and H. Gastrow. 1,799,881; Apr. 7.
Marking pin, Laundry-. A. F. Hanney. 1,798,732; Mar. 31.
Marking plate and reflecting light standard, Combination. G. A. Rebentisch. Des. 84,711; July 21.
Marking roll. C. E. Youngchild, J. K. Vanatta, and J. W. Youngchild. 1,820,338; Aug. 25.
Marquise. G. B. Bannister. Des. 83,944; Apr. 21.
Marquise. W. O. Prouty. Des. 85,764; Dec. 15.
Mash feeder, Collapsible. W. D. Harvey. 1,790,045; Jan. 27.
Mask. F. J. McMichael. 1,828,427; Oct. 20.
Mask for animals, particularly horses, Gas protective. H. Stelzner. 1,812,380; June 30.
Mask for cylinder molds. M. O. Schur. 1,805,499; May 19.
Mask, Rubber. R. D. Lancaster. 1,810,486; June 16.
Mask, Surgeon's protective. L. L. Blanco. 1,800,051; Apr. 7.
Mask, Welding. W. E. Johnston. 1,793,286; Feb. 17.
Masking machine. E. T. Bleecker. 1,835,004; Dec. 8.
Masking machine. E. T. Bleecker. 1,836,436; Dec. 15.
Masonry bolt. A. C. Kerwin. 1,802,560; Apr. 28.
Masonry wall and damp proof insert therefor. E. Weil. 1,833,925; Dec. 1.
Mason's leveling table. E. J. Carlson. 1,820,436; Aug. 25.
Mass and making same, Artificial. H. Hönel. 1,800,296; Apr. 14.
Massage and exercise machine. F. A. Anderson. 1,830,380; Nov. 3.
Massage and exercise machine, Portable. F. A. Anderson. 1,808,333; June 2.
Massage apparatus. J. G. De Remer. 1,818,465; Aug. 11.
Massage apparatus. F. Hochmayr. 1,818,479; Aug. 11.
Massage applicator. R. H. Van Sant. 1,819,628; Aug. 18.
Massage device. L. V. Aronson. 1,833,105; Nov. 24.
Massage device. A. P. Rudolph. 1,805,675; May 19.
Massage device. W. M. F. Sherwood. 1,811,764; June 23.
Massage instrument. A. Gehm. 1,815,560; July 21.
Massage machine, Portable. J. G. De Remer. 1,802,140; Apr. 21.
Massage machine, Vibratory. K. Stoye. 1,836,733; Dec. 15.
Massaging and exercising apparatus. W. A. Matheson. 1,836,981; Dec. 15.
Massaging and vibrating machine. A. M. Webb. 1,797,306; Mar. 24.
Massaging and washing fixture. P. O. Sichert. 1,799,807; Apr. 7.
Massaging device. G. Deyo. 1,838,094; Dec. 29.
Massaging machine. N. E. Goodrich. 1,789,584; Jan. 20.
Massaging machine. N. E. Goodrich. 1,817,553; Aug. 4.
Massaging machine. N. E. Goodrich. 1,830,317; Nov. 3.
Massaging machine. P. L. Hemp. 1,827,874; Oct. 20.
Massaging machine. J. T. Welch. 1,794,879; Mar. 3.
Masses, Manufacture of inorganic active. F. Stöwener. 1,832,153; Nov. 17.
Mast arm. N. C. Husted. 1,796,994; Mar. 17.
Mast for airships, Mooring. W. V. N. Powelson and W. Travell. 1,823,287; Sept. 15.
Mast for airships, Mooring. J. B. Strauss. 1,816,936; July 28.
Mast, Mooring. P. Traver. 1,806,655; May 26.
Masts, poles, sleepers, and the like, Protecting wooden. M. Bock. 1,800,593; Apr. 14.
Masterstat. P. F. Shivers. 1,795,149; Mar. 3.
Mat: *See*—
Floor mat. Table mat.
Insulating mat.
Mat. E. W. Derr. 1,805,038; May 12.
Mat. L. T. Hand and J. Wight. 1,796,783; Mar. 17.

Mat and border, Link. M. H. O'Toole. 1,804,027; May 5.
Mat for billiard or pool tables. A. B. Crosthwait. 1,801,142; Apr. 14.
Mat for bowling alleys. Pit. F. Ksellmann. 1,838,947; Dec. 29.
Mat from worn-out tires. J. B. Kiefer. 1,799,616; Apr. 7.
Mat or similar article. J. Drenthe. Des. 84,573; July 7.
Mat or similar article, Tub. E. M. Capouch. Des. 85,859; Dec. 29.
Mat with foldable sun-blind, Reposing. J. Kotausek. 1,827,477; Oct. 13.
Match book. C. J. Langley. 1,817,009; Aug. 4.
Match book. S. M. Moriya. 1,824,404; Sept. 22.
Match book. A. C. Potter. Des. 84,546; June 30.
Match book and golf tee holder, Combined. H. C. Traute. 1,788,177; Jan. 6.
Match books, Making. C. J. Langley. 1,829,994; Nov 3.
Match box. L. Berry. 1,828,698; Oct. 20.
Match box. M. N. Drew. 1,828,962; Oct. 27.
Match box. P. F. Kurtenbach. 1,798,685; Mar. 31.
Match package. E. L. Grauel. 1,815,973-4; July 28.
Match packet. J. O. Trautwein. 1,819,395; Aug. 18.
Match stand. A. Kassler. 1,819,645; Aug. 18.
Match striker for match folders. F. W. Mostertz. 1,801,170; Apr. 14.
Matchmaking machine. H. Kugler and G. Fischer. 1,797,350; Mar. 24.
Matches, Making. C. K. Light. 1,805,827; May 19.
Matches, Process and apparatus for the manufacturing of cardboard. E. F. Satz. 1,830,856; Nov. 10.
Material adapted for bearings and bearings thereof. C. F. Noftzger. 1,791,834; Feb. 10.
Material and coloring embossed surfaces, Method of and apparatus for embossing. F. D. Fowler. 1,790,233; Jan. 27.
Material and forming the same, Deoxidizing. C. A. Styer. 1,838,968; Dec. 29.
Material and making same, Artificial. L. Lilienfeld. 1,820,811; Aug. 25.
Material and making same, Filamentous. J. K. Toles. 1,834,556; Dec. 1.
Material and making same, Silicate bonded. L. L. Wagner. 1,831,982; Nov. 17.
Material and process, Moldable. R. E. Coleman and F. J. Groten. 1,808,529; June 2.
Material and production of photographic prints, Light-sensitive. M. Raeck. 1,830,854; Nov. 10.
Material, Apparatus for and method of moving. J. H. Meister. 1,797,063; Mar. 17.
Material, Apparatus for cutting sheet. E. C. Otis. 1,831,422; Nov. 10.
Material, Apparatus for demagnetizing magnetically conveyed. W. McKee. 1,824,403; Sept. 22.
Material, Apparatus for distributing finely divided. F. C. Atwood. 1,838,648; Dec. 29.
Material, Apparatus for drying liquid or pulpy. W. Sasse. 1,827,617; Oct. 13.
Material, Apparatus for feeding and cutting. J. Van Buren. 1,828,793; Oct. 27.
Material, Apparatus for handling loose. C. E. Davis. 1,838,214; Dec. 29.
Material, Apparatus for roasting. C. J. Schifferle. 1,830,002; Nov. 3.
Material, Apparatus for saturating sheet. D. Low. 1,830,741; Nov. 3.
Material, Apparatus for supplying. R. R. Nydegger. (See Blair, George W., assignor.)
Material, Apparatus for transferring. W. R. Jones. 1,823,148; Sept. 15.
Material, Apparatus for use in connection with strip. A. Potdevin. 1,836,279; Dec. 15.
Material, Apparatus for the continuous weighing of. R. T. Knapp. 1,793,701; Feb. 24.
Material by weight measurement, Apparatus for proportioning the components of aggregate. C. V. Weir. 1,829,026; Oct. 27.
Material check. C. Epstein. 1,789,431; Jan. 20.
Material classifying device. H. G. Lykken. 1,835,886; Dec. 8.
Material, Coated and moldable. E. Thomas. 1,836,346; Dec. 15.
Material, Composition. P. Bechtner. 1,830,253; Nov. 3.
Material, Concentration of phosphate bearing. J. W. Littleford and F. F. Johnston. 1,838,422; Dec. 29.
Material containing asbestos fiber, Atomizing and spraying semifluid. K. A. Milar. 1,805,632; May 19.
Material containing combustible carbonaceous material, Distilling solid. C. T. Loughrey. 1,824,282; Sept. 22.
Material conveying system. R. H. Moore. 1,827,326; Oct. 13.
Material, Drying. C. B. Carr. 1,793,275; Feb. 17.
Material facing for embellishing articles. L. Rado. 1,802,066; Apr. 21.
Material, Feeder for pulverized. O. A. Kreutzberg. 1,823,905; Sept. 22.
Material-feeding and weighing apparatus, Combination. E. E. Harper. 1,831,596; Nov. 10.
Material feeding device. J. E. Lodge. 1,809,983; June 16.
Material feeding machine, Automatic. J. J. Miller and G. A. Weigt. 1,838,780; Dec. 29.
Material feeding mechanism. C. R. Raney and A. E. W. Johnson. 1,811,064; June 23.
Material for and making ornamental devices. L. W. F. Carstein. 1,826,928; Oct. 13.
Material for food stuff containers and preparing the same. S. D. Wells. 1,801,704; Apr. 21.
Material for forming coatings, for use as impregnating agents, or for like purposes. G. King and R. Threlfall. 1,809,755; June 9.
Material for killing insects. R. C. Roark and R. T. Cotton. 1,789,322; Jan. 20.
Material for lamp shades and the like, Producing ornamental. F. D. Penney. 1,789,449; Jan. 20.
Material for selectively controlling metal-pickling baths. J. H. Gravell and A. Douty. 1,796,839; Mar. 17.
Material for shoes, Antisqueak. A. Thoma. 1,831,269; Nov. 10.
Material for the purification of gaseous mixtures, Making. G. E. Seil. 1,809,990; June 16.
Material forming apparatus. C. E. Nelson. 1,833,656–7; Nov. 24.
Material forming apparatus. C. E. Nelson and J. S. Stull. 1,833,616; Nov. 24.
Material forming apparatus. J. F. Pullan. 1,833,658; Nov. 24.
Material from aerial or other craft, Apparatus for use in the formation of trails of visible, luminous, or poison laden. J. C. Savage. 1,835,970; Dec. 8.
Material, Gauging. F. C. Biggert, jr. 1,816,464; July 28.
Material grip, Flexible. W. A. Smith and H. A. Belden. 1,825,165; Sept. 29.
Material handling. C. G. Kiplinger. 1,794,714; Mar. 3.
Material handling apparatus. J. M. Amsden. 1,833,102; Nov. 24.
Material handling apparatus. J. E. Boynton. 1,831,992; Nov. 17.
Material handling apparatus. E. E. Brosius. 1,828,762; Oct. 27.
Material handling apparatus. E. W. Larsen. 1,816,909; Aug. 4.
Material handling apparatus. A. Shelburne. 1,828,751; Oct. 27.
Material handling apparatus. E. W. Shinn, W. J. Crowley and R. H. Scott. 1,809,076; June 9.
Material handling apparatus. J. W. Spry. 1,804,287; May 5.
Material-handling apparatus. W. C. Wilcoxen. 1,792,953; Feb. 17.
Material handling equipment. M. R. Butler. 1,820,297; Aug. 25.
Material handling equipment. M. R. Butler. 1,828,458; Oct. 20.
Material handling machine. C. H. Bebinger. 1,810,119; June 16.
Material-handling machine. C. H. Bebinger and G. R. Whitnall. 1,800,428; Apr. 14.
Material handling plant. C. F. Bledsoe. 1,817,343; Aug. 4.
Material-handling roll. R. V. Judson. 1,798,741; Mar. 31.
Material, Improving vegetable textile. L. Lilienfeld. 1,831,745; Nov. 10.
Material in prescribed proportions, Apparatus for apportioning or dividing. H. O. G. Schilling. 1,830,720; Nov. 3.
Material in storage, Preservation of vegetable. T. B. Munroe and E. C. Lathrop. 1,833,493; Nov. 24.
Material in the manufacture of Pottery, Method of and apparatus for feeding and forming plastic. W. J. Miller. 1,827,759; Oct. 20.
Material injector. A. B. Schupp. 1,795,236; Mar. 3.
Material into a liquid, Pneumatically feeding granular. R. G. Mansfield. 1,835,070; Dec. 8.
Material into strips, Method and apparatus for cutting sheet. J. R. Gammeter. 1,822,209; Sept. 8.
Material, Making moldable. L. T. Frederick. 1,831,063; Nov. 10.
Material, Manufacture of sheet. R. P. Rose. 1,825,422; Sept. 29.
Material, Manufacturing gas tight. H. Strobl. 1,827,213; Oct. 13.
Material, Marking rubberized. C. E. Maynard. 1,837,461; Dec. 22.
Material measuring and handling apparatus. M. G. Martin, and F. Voelker, jr. 1,822,446; Sept. 8.
Material, Measuring characteristics of. A. Allen. 1,824,745; Sept. 22.
Material, Mechanism for connecting pieces of. S. M. Straus. 1,828,347; Oct. 20.
Material, Melting oxidizable. C. Tama. 1,827,174; Oct. 13.
Material, Method and apparatus for conveying shrinking. C. W. Leguillon. 1,792,316; Feb. 10.
Material, Method and apparatus for determining the result of treatment of. B. Johnsen. 1,827,658; Oct. 13.
Material, Method of and apparatus for controlling the working of. H. W. Jespersen. 1,800,389; Apr. 14.
Material, Method of and apparatus for distributing. C. W. Waterman, jr. 1,833,192; Nov. 24.
Material, Method of and apparatus for working. H. D. Piper. 1,793,247; Feb. 17.
Material preparation. A. S. Behrman. 1,819,354; Aug. 18.
Material preparatory to hydrolysis, Activating cellulose bearing. J. Perl. 1,828,982; Oct. 27.
Material receiving means, Portable. H. P. Paris. 1,806,644; May 26.
Material rich in xylan, Producing. E. R. Darling. 1,825,307; Sept. 29.

Material, Sound absorbing. J. H. Nash. 1,832,571; Nov. 17.
Material spray apparatus. J. P. Rosenfeld. 1,811,969; June 30.
Material spreader. G. J. Koch. 1,800,298; Apr. 14.
Material to be used in the formation of roadways and the like, Production of. E. B. Hack. 1,806,250; May 19.
Material transfer apparatus. H. H. Weiss and H. R. Emerson. 1,833,627; Nov. 24.
Material treating apparatus. C. D. Chase. 1,813,728; July 7.
Material treating device. H. G. Lykken. 1,807,923; June 2.
Material treating machine. A. R. Teare. 1,809,363; June 9.
Material, Treatment of cadmium bearing. G. N. Kirsebom. 1,827,755; Oct. 20.
Material-unwinding apparatus. T. McD. Yancey. 1,800,922; Apr. 14.
Material upon cores, Apparatus for serving. C. E. McCoy. 1,795,876; Mar. 10.
Material working apparatus. J. S. Stull. 1,827,302; Oct. 13.
Materials and products, Making rubberized sheet. H. D. Rice. 1,817,323; Aug. 4.
Materials and products therefrom, Ornamenting textile. A. Bodmer. 1,829,849; Nov. 3.
Materials, Apparatus for applying inking. M. W. Canfield. 1,837,702; Dec. 22.
Materials, Apparatus for collecting and conveying. G. R. Sylvester. 1,826,840; Oct. 13.
Materials, Apparatus for detecting a difference in the thickness of. E. A. Guilemin. 1,815,710; July 21.
Materials, Apparatus for handling. D. S. Baker. 1,837,605; Dec. 22.
Materials, Apparatus for handling. J. H. Vickers. 1,833,385; Nov. 24.
Materials, Apparatus for measuring fineness of finely divided. R. T. Knapp. 1,838,628; Dec. 29.
Materials, Apparatus for mixing. F. C. Overbury. 1,789,320; Jan. 20.
Materials, Apparatus for projecting. B. H. Schieldrop. 1,826,483; Oct. 6.
Materials, Apparatus for testing physical properties of. R. Esnault-Pelterie. 1,825,387; Sept. 29.
Materials, Apparatus for the determination of the damping capacity of. E. Pertz. 1,831,320; Nov. 10.
Materials, Apparatus for the measurement of stiffness of flexible. T. Dantzig and E. C. Peterson. 1,824,395; Sept. 22.
Materials, Chloridizing metalliferous. R. F. Meyer. 1,833,685; Nov. 24.
Materials, Conditioning. G. D. Harris. 1,815,669; July 21.
Materials consisting substantially of cellulose and the production of cellulose esters therefrom, Treatment of. H. Dreyfus. 1,831,101; Nov. 10.
Materials containing bitumen, Producing felted. C. L. Keller. 1,825,869; Oct. 6.
Materials containing lead sulphide to oxygenated compounds, Converting. A. Holmes and L. Burgess. 1,832,461; Nov. 17.
Materials containing lead, Treating. C. R. Hayward. 1,804,054; May 5.
Materials containing lignin and cellulose, Working up. O. A. Müller. 1,816,394; July 28.
Materials, Decomposing organic. R. J. Dearborn. 1,828,998; Oct. 27.
Materials, Heating decomposable. J. R. Schonberg. 1,821,326; Sept. 1.
Materials made with or containing cellulose derivatives. Treatment of. G. H. Ellis. 1,817,741; Aug. 4.
Materials, Mechanism and process of separating intermixed divided. K. Davis. 1,819,995; Aug. 18.
Materials, Mechanism for separating intermixed divided. K. Davis. 1,819,996; Aug. 18.
Materials, Method and apparatus for drying. J. P. Brown. 1,798,718; Mar. 31.
Materials, Method of and apparatus for freezing. R. E. Kolbe. 1,835,881; Dec. 8.
Materials, Method and apparatus for hydraulically separating. F. Pardee. 1,825,157; Sept. 29.
Materials, Method and apparatus for projecting comminuted. H. A. Mulvany. 1,836,272; Dec. 15.
Materials, Method and mechanism for separating intermixed divided. K. Davis. 1,817,296; Aug. 4.
Materials on road and other surfaces, Apparatus for distributing. C. G. Fox. 1,822,207; Sept. 8.
Materials, Plastic. A. Hawerlander. 1,837,216; Dec. 22.
Materials, Preparing moistureproof. W. H. Charch and K. E. Prindle. 1,826,699; Oct. 6.
Materials, Process and mechanism for separating intermixed divided. K. Davis. 1,817,297–8; Aug. 4.
Materials, Process and mechanism for separating intermixed divided. K. Davis. 1,822,840; Sept. 8.
Materials, Process and mechanism for separating intermixed divided. K. Davis. 1,823,848; Sept. 15.
Materials, Process and mechanism for separating intermixed divided. R. Peale. 1,832,048; Nov. 17.
Materials, Production of finely divided materials. A. B. Cummins. 1,813,916; July 14.
Materials, Reduction of zinciferous. E. H. Bunce. 1,838,296; Dec. 29.
Materials, Refining. R. Cross. 1,836,577; Dec. 15.
Materials, Revivifying adsorbent. E. B. Miller. 1,822,303; Sept. 8.
Materials to obtain fats or oils therefrom, Treating fatty. H. Bull. 1,828,591; Oct. 20.
Materials, Treating. P. P. Zimmerman. 1,826,856; Oct. 13.
Materials, Treating carbonaceous. H. I. Waterman. 1,831,759; Nov. 10.
Materials, Treating fatty raw. J. A. S. Van Deurs. 1,833,061; Nov. 24.
Materials, Treating fibrous. C. Leyst-Küchenmeister. 1,827,710; Oct. 13.
Mathematics, Apparatus to facilitate instrument in. H. W. Chesham. 1,836,643; Dec. 15.
Matrices for stereotype plates, Method of and apparatus for preparing. B. Mackley. 1,809,052; June 9.
Matrix-aligning means. S. E. Sperry. 1,789,201; Jan. 13.
Matrix, Aluminum type. W. W. Wentz. 1,823,179; Sept. 15.
Matrix assembling mechanism for typographical machines. S. E. Sperry. 1,812,808; June 30.
Matrix bar for type line setting and casting machines. J. Dorneth. 1,833,830; Nov. 24.
Matrix for typographical machines. L. W. Willis. 1,829,695; Oct. 27.
Matrix for use in dentistry. R. Fust. 1,833,247; Nov. 24.
Matrix operating device, Double. H. A. W. Wood. 1,805,272; May 12.
Matrix roller. H. A. Wood. 1,820,551; Aug. 25.
Matrix setting mechanism. H. A. W. Wood. 1,816,945; Aug. 4.
Matrix strip for type-casting machines. C. A. Macomic. 1,790,161; Jan. 27.
Mats on running boards of automotive vehicles, Securing foot. J. B. Menton. 1,833,584; Nov. 24.
Mats, Ornamenting rubber. P. M. Weamer. 1,827,127; Oct. 13.
Mats, Placing revetment. B. A. Ross. 1,822,603; Sept. 8.
Matte, Desulphurizing nickel-containing. A. S. Shoffstall, W. A. Mudge, A. B. Bagsar, and C. G. Bieber. 1,828,752; Oct. 27.
Matter and its preparation, Composition of. C. Martell. 1,829,997-8; Nov. 3.
Matter and making same, Composition of. W. F. Zimmerli and W. L. Semon. 1,829,029; Oct. 27.
Matter, Apparatus for extruding. J. E. Boynton. 1,789,457; Jan. 20.
Matter, Composition of. G. J. Comstock. 1,826,454; Oct. 6.
Matter, Composition of. G. J. Comstock and E. B. Welch. 1,826,455; Oct. 6.
Matter, Composition of. G. J. Comstock and E. B. Welch. 1,826,457; Oct. 6.
Matter containing a bromo compound, Cellulosic composition of. S. J. Carroll. 1,826,688; Oct. 6.
Matter containing acetyl phenyl glycine, Cellulosic composition of. S. J. Carroll. 1,826,687; Oct. 6.
Matter containing anisidine, Cellulosic composition of. T. F. Murray, jr., and C. J. Staud. 1,826,668; Oct. 6.
Matter containing chloro-cyclohexane, Cellulosic composition of. S. J. Carroll. 1,826,689; Oct. 6.
Matter containing ethyl-A-bromo-propionate, Cellulosic composition of. S. J. Carroll. 1,826,691; Oct. 6.
Matter containing ethyl chloro-carbonate, Cellulosic composition of. S. J. Carroll. 1,826,690; Oct. 6.
Matter containing mercury, Composition of. M. Pacella. 1,822,709; Sept. 8.
Matter containing methyl anisate, Cellulosic composition of. S. J. Carroll. 1,826,692; Oct. 6.
Matter containing piperidine, Cellulosic composition of. T. F. Murray, jr., and C. J. Staud. 1,826,667; Oct. 6.
Matter containing triporprionin, Cellulosic composition of. S. J. Carroll. 1,826,693; Oct. 6.
Matter for putty, Composition of. L. Weisberg. 1,828,885; Oct. 27.
Matter from waste rubber tires, Method and apparatus for the recovery of. J. W. Ames. 1,821,049; Sept. 1.
Matter, Making a composition of. E. B. Welch. 1,833,099; Nov. 24.
Mattes and slags, Dezincing. M. G. Fowler, and D. Niconoff. 1,822,396; Sept. 8.
Matting, Rubber. R. K. Lee. Des. 84,586; July 7.
Mattress. O. M. Burton. 1,801,411; Apr. 21.
Mattress. C. Z. Edelson, J. Goldeen, and M. D. Tarlow. 1,791,237; Feb. 3.
Mattress. D. Micon. 1,834,546; Dec. 1.
Mattress. C. H. Van Tassel. 1,829,620; Oct. 27.
Mattress and cushion. L. A. Suekoff. Re18,101; June 16.
Mattress and cushion filling machine. D. Micon. 1,834,531; Dec. 1.
Mattress border. H. Perlesz. Des. 84,491; June 23.
Mattress box. C. W. Tannery. 1,827,858; Oct. 20.
Mattress, etc., Spring. D. T. Owen. 1,789,154; Jan. 13.
Mattress, Heated. P. S. Dunbar. 1,837,117; Dec. 15.
Mattress picker and renovator. D. F. Dougan. 1,814,670; July 14.
Mattress retainer. N. Goldberg. 1,810,601; June 16.
Mattress, Reversible spring center. Del R. F. Fowler. 1,835,212; Dec. 8.
Mattress, Roll-edge. L. A. Suekoff. 1,823,669; Sept. 15.
Mattress, Spring. E. B. Birkenbeuel. 1,829,083; Oct. 27.
Mattress, Spring. E. Sjostrand and L. J. Seymour. 1,838,455; Dec. 29.
Mattress, Stuffed. L. Joseph. 1,791,725; Feb. 10.

Mattress tick. R. K. Miller, jr. 1,835,075; Dec. 8.
Mattress ticking or the like. C. Lofman. Des. 84,836; Aug. 11.
Mattress, Tufted. L. E. Pittoni. 1,823,700; Sept. 15.
Mattresses and other devices for repose of the body, Elastic. H. C. Piccolini. 1,808,679; June 2.
Mausoleum, Individual. W. I. Davis. 1,815,883; July 21.
Mayonnaise, Making. S. B. Drucker. 1,820,909; Sept. 1.
Meal-manufacturing process, Semicontinuous dry-rendering and. W. B. Allbright. 1,791,439; Feb. 3.
Measure, Gasoline. P. A. Holm. 1,815,713; July 21.
Measure, Oil. H. B. Donley. 1,805,813; May 19.
Measuring a plurality of values, Apparatus for. H. Grüss. 1,818,847; Aug. 11.
Measuring and apparatus therefor, Automatically. W. A. Darrah. Re18,005; Mar. 24.
Measuring and circulating device. J. H. McLellan. 1,808,117; June 2.
Measuring and cutting device. F. Stout and G. R. O'Daniell. 1,803,878; May 5.
Measuring and cutting machine, Plastic. G. K. Bainbridge. 1,824,110; Sept. 22.
Measuring and delivering apparatus, Liquid. M. Coupler. 1,824,261; Sept. 22.
Measuring and delivering milk or other liquids, Apparatus for automatically. A. G. Enock. 1,809,163; June 9.
Measuring and description device, Garment. E. Guillot. 1,790,416; Jan. 27.
Measuring and dispensing apparatus for cans and the like. S. B. Lindley. 1,833,028; Nov. 24.
Measuring and dispensing device. W. Stoddard. 1,802,284; Apr. 21.
Measuring and dispensing device, Liquid. P. S. Shield. 1,795,802; Mar. 10.
Measuring and examining device. H. P. Luhn. 1,831,536; Nov. 10.
Measuring and filling apparatus for ice cans. W. B. Kirkpatrick. 1,795,431; Mar. 10.
Measuring and filling device, Automatic. B. O. Opitz. 1,789,051; Jan. 13.
Measuring and filling machine, Automatic. B. O. Opitz. 1,789,018; Jan. 13.
Measuring and indicating means, Electric liquid. M. J. Huggins. 1,827,525; Oct. 13.
Measuring and mixing machine. W. T. Morgan. 1,814,483; July 14.
Measuring and protecting device, Electric. A. D. Iliovici. 1,816,778; July 28.
Measuring and receptacle-filling apparatus. H. O. Berg. 1,796,279; Mar. 17.
Measuring and tagging device. P. Lungstras. 1,808,144; June 2.
Measuring and weighing device for concrete mixers. S. L. Walker. 1,820,547; Aug. 25.
Measuring apparatus. C. G. Bliss. 1,826,919; Oct. 13.
Measuring apparatus. F. A. Furlong. 1,838,018; Dec. 22.
Measuring apparatus. S. Newall. 1,827,602; Oct. 13.
Measuring apparatus. D. H. Rowland and J. C. Robertson. 1,822,458; Sept. S.
Measuring apparatus. F. Wagner, H. C. Mitchell. 1,830,413; Nov. 3.
Measuring apparatus. A. E. Young. 1,802,963; Apr. 28.
Measuring apparatus. A. E. Young. 1,803,085; Apr. 28.
Measuring apparatus. A. E. Young. 1,816,949–50; Aug. 4.
Measuring apparatus. A. E. Young. 1,819,313; Aug. 18.
Measuring apparatus and method, Fabric. E. D. Walen. 1,829,318; Oct. 27.
Measuring apparatus, Electrical. P. H. Geiger. 1,799,683; Apr. 7.
Measuring apparatus, Liquid. W. C. Guest and R. S. Pruitt. 1,835,039; Dec. 8.
Measuring appliance, Stereophotogrammetric. W. Bauersfeld and O. von Gruber. 1,798,396; Mar. 31.
Measuring attachment for receptacles. M. Doyen. 1,798,073; Mar. 24.
Measuring cup, Adjustable syrup. F. E. Fowler. 1,811,785; June 23.
Measuring deviations of drilled wells, Device for. A. I. Shakhnazarov. 1,823,336; Sept. 15.
Measuring device. D. Desmond. 1,804,749; May 12.
Measuring device. S. Favro. 1,815,468; July 21.
Measuring device. A. Frisch. 1,798,076; Mar. 24.
Measuring device. A. E. Glancy. 1,838,616; Dec. 29.
Measuring device. C. J. Fechheimer. 1,834,392; Dec. 1.
Measuring device. A. Morra. 1,835,804; Dec. 8.
Measuring device. D. D. Price. 1,799,566; Apr. 7.
Measuring device. A. S. Walker. 1,829,771; Nov 3.
Measuring device, Bulk. J. A. Lavin. Des. 84,090; May 5.
Measuring device, Cloth-. A. S. LaFollette. 1,790,103; Jan. 27.
Measuring device, Concrete-hopper valve. O. W. Phifer. 1,799,928; Apr. 7.
Measuring device, Dovetail. C. O. Knuuti. 1,809,044; June 9.
Measuring device, Fluid. A. W. Rybeck. 1,819,267; Aug. 18.
Measuring device for liquids. J. L. Patterson. 1,825,200; Sept. 29.
Measuring device for precision grinders. F. H. Whitman. 1,834,231; Dec. 1.
Measuring device, Foot-. E. J. Bliss. 1,790,458; Jan. 27.
Measuring device for filling machines. L. W. Duer. 1,819,361; Aug. 18.
Measuring device, Key operated foot. G. Engelhardt and H. G. Siebeneichner. 1,823,793; Sept. 15.
Measuring device, Liquid-. E. S. Lamar. 1,788,465; Jan. 13.
Measuring device, Liquid-. T. J. C. Schirrmacher. 1,792,933; Feb. 17.
Measuring device, Liquid-. P. Voglsamer. 1,794,995; Mar. 3.
Measuring device, Precision. J. B. Elfring and C. G. Schiele. 1,799,739; Apr. 7.
Measuring device, Pressure-. H. E. Sturcke. 1,796,489; Mar. 17.
Measuring dispenser. C. Burkart. 1,818,460; Aug. 11.
Measuring electric conductivity of fluid. E. A. Keeler. 1,826,886; Oct. 13.
Measuring high resistances, Device for. S. Strauss. 1,813,778; July 7.
Measuring implement, Foot-. J. L. Cobb and H. C. Ogle. 1,792,892; Feb. 17.
Measuring instrument. F. De Guerre. 1,839,014; Dec. 29.
Measuring instrument. D. O. Johnson. 1,793,404; Feb. 17.
Measuring instrument. E. O. Loeser and G. B. Gallasch. 1,822,740; Sept. 8.
Measuring instrument. J. J. McCabe. 1,827,093; Oct. 13.
Measuring instrument. E. J. Ohnell. 1,797,441; Mar 24.
Measuring instrument. F. W. Roller. 1,804,953; May 12.
Measuring instrument. E. R. Smith. 1,800,325; Apr. 14.
Measuring instrument, Electric. H. T. Faus. 1,804,330; May 5.
Measuring instrument, Electric. T. R. Harrison. 1,826,879; Oct. 13.
Measuring instrument, Electric. W. R. Matthews. 1,792,385; Feb. 10.
Measuring instrument, Electrical. S. Aronoff. 1,822,075; Sept. 8.
Measuring instrument, Electrical. H. H. Lyon. Re17,966; Feb. 17.
Measuring instrument, Electrical. E. L. Mabie. 1,835,658; Dec. 8.
Measuring instrument, Electrical. G. Sperti. 1,817,537; Aug. 4.
Measuring instrument, Pressure. R. W. Brown. 1,804,970; May 12.
Measuring instrument, Precision. E. Letsch. 1,822,662; Sept. 8.
Measuring instrument, Vacuum. F. Sieber. 1,833,233; Nov. 24.
Measuring instruments and meters to electrical alternating-current installations, Device for connecting. A. Egger. 1,788,567; Jan. 13.
Measuring machine. R. F. Knight. 1,816,153; July 28.
Measuring machine. J. W. Parker. 1,835,807; Dec. 8.
Measuring machine. F. J. Tillman. 1,802,320; Apr. 21.
Measuring machine, Liquid. W. W. Leinert. 1,836,978; Dec. 15.
Measuring machine, Tobacco-scrap-. J. A. Allen and H. E. Dowell. 1,798,775; Mar. 31.
Measuring mechanism. A. Allen. 1,824,746; Sept. 22.
Measuring nipple for lubricating systems. A. M. Farmer. 1,837,811; Dec. 22.
Measuring or dispensing apparatus, Liquid. P. S. Shield. 1,794,209; Feb. 24.
Measuring proteolytic activity. H. C. Gore and C. N. Frey. 1,815,709; July 21.
Measuring slight forces, Device for. H. Gornick. 1,819,089; Aug. 18.
Measuring system. R. W. Deardorff. 1,814,898; July 14.
Measuring system, Electrical. L. A. Gebhard. 1,820,018; Aug. 25.
Measuring temperature in bore holes. F. W. Huber. 1,818,221; Aug. 11.
Measuring the amount of water contained in moist sand or gravel. T. Collins. 1,806,538; May 19.
Measuring the contents of moisture in chemical and mechanical wood pulp, Apparatus for. A. C. Andersen. 1,821,605; Sept. 1.
Measuring the freeness of pulp. F. L. Simons, H. J. Skinner, and R. M. Fuoss. 1,822,604; Sept. 8.
Measuring the hardness of material, Apparatus for. A. F. Shore. 1,806,767; May 26.
Measuring unit for lubricating systems. G. L. Moore. 1,821,314; Sept. 1.
Measuring values into corresponding electrical measuring values, Device for the conversion of mechanical. E. P. G. Wünch. 1,822,184; Sept. 8.
Meat and the like, Apparatus for slicing. E. B. Scott and J. H. Davies. 1,798,038; Mar. 24.
Meat chopper. C. W. Asbury. 1,811,740; June 23.
Meat chopper. J. W. Brown, jr. 1,815,829; July 21.
Meat chopper. W. Gumprich. 1,835,864; Dec. 8.
Meat cure and manufacturing the same. E. H. Wright. 1,792,561; Feb. 17.
Meat cutter. C. G. Biro. 1,793,461; Feb. 24.
Meat cutter. J. N. Monterio. 1,805,411; May 12.
Meat cutting device. C. A. Dunseth. 1,817,678; Aug. 4.
Meat-cutting machine. A. C. Van Hooydonk. 1,788,214; Jan. 6.
Meat from backbones of fishes, Apparatus for the recovery of. A. Peters. 1,793,189; Feb. 17.
Meat grinder cleaner. A. P. Erickson. 1,801,547; Apr. 21.
Meat, Handling. J. C. Agar. 1,817,541; Aug. 4.
Meat hook, Trolley. C. C. Holley. 1,828,603; Oct. 20.

Meat loaf packing machine. R. Punzmann. 1,830,335; Nov. 3.
Meat pack. H. Rumsey, jr. 1,838,000; Dec. 22.
Meat package and forming same. H. J. Riha. 1,813,769; July 7.
Meat, Packing ground. G. C. Gochnauer. 1,797,137; Mar. 17.
Meat slicing machine. A. C. Van Hooydonk. 1,817,658; Aug. 4.
Meat smoking hanger. I. N. Jordan. 1,823,149; Sept. 15.
Meat tenderer. M. Lowenthal. 1,810,719; June 16.
Meat trimming apparatus. R. G. Reynoldson. 1,825,205; Sept. 29.
Meats, Apparatus for pressing and cooking. A. E. Ozouf. 1,804,227; May 5.
Meats, Condimentation of ground. H. E. Allen. 1,829,431; Oct. 27.
Mechanical battle royal. H. A. Bunte. 1,789,723; Jan. 20.
Mechanical coupling. L. A. Elmer. 1,832,285; Nov. 17.
Mechanical jack. R. E. Manley and F. T. Flinchbaugh. 1,818,077; Aug. 11.
Mechanical movement. L. H. Adamson. 1,804,488; May 12.
Mechanical movement. L. Alig. 1,810,154; June 16.
Mechanical movement. A. Andrews. 1,788,609; Jan. 13.
Mechanical movement. E. Belin. 1,807,889; June 2.
Mechanical movement. W. C. Brumder. 1,790,654; Feb. 3.
Mechanical movement. M. Caruso. 1,802,459; Apr. 28.
Mechanical movement. A. Dina. 1,808,454; June 2.
Mechanical movement. A. E. Drissner. 1,825,056; Sept. 29.
Mechanical movement. F. B. Fuller. 1,788,098; Jan. 6.
Mechanical movement. L. B. Green. 1,796,753; Mar. 17.
Mechanical movement. M. P. Holmes. 1,792,094; Feb. 10.
Mechanical movement. A. Moore. 1,800,467; Apr. 14.
Mechanical movement. R. C. Roebling. 1,820,033; Aug. 25.
Mechanical movement. C. H. Sampson. 1,807,375; May 12.
Mechanical movement. H. I. Wilber. 1,799,663; Apr. 7.
Mechanical movement. C. C. Williams. 1,789,207; Jan. 13.
Mechanical shovel. R. M. Baker. 1,828,095; Oct. 20.
Mechanical system. A. Dina. 1,818,048; Aug. 11.
Mechanical work. Process of and arrangement for performing. F. Hübl. 1,820,619; Aug. 25.
Mechanism. J. D. Carley. 1,836,748; Dec. 15.
Mechanism and method for controlling business. H. R. Brand. 1,803,522; May 5.
Mechanism and method for separating intermixed divided material. K. Davis. 1,799,289; Apr. 7.
Mechanism for effecting reverse plating. J. and R. H. Lawson. 1,790,623; Jan. 27.
Mechanism for feeding metal blanks. R. S. Crosby and F. E. Newton. 1,802,631; Apr. 28.
Mechanism for opening and closing garage doors, Car-operated. H. Eggers. 1,789,674; Jan. 20.
Medallion, Head-lamp. H. J. Earl. Des. 83,095; Jan. 20.
Media for combating animal and vegetable pests. G. Wesenberg. 1,819,399; Aug. 18.
Medical injections, Device for performing. E. Wassmer. 1,830,453; Nov. 3.
Medical moxa heater. K. Ito. 1,817,823; Aug. 4.
Medicaments, Device for administering. E. F. Ellzey 1,815,902; July 28.
Medicated solutions, Method of and apparatus for injecting. P. Titus. 1,794,215; Feb. 24.
Medicinal preparation. W. J. Horn. 1,824,018; Sept. 22.
Medicine. C. R. Brown. 1,800,502; Apr. 14.
Melting finely divided materials, Apparatus for. A. Dawans. 1,807,307; May 26.
Melting furnace. W. Buess. 1,801,792; Apr. 21.
Melting furnace. S. W. Crawford. 1,836,791; Dec. 15.
Melting furnace. H. M. Thompson. 1,832,063; Nov. 17.
Melting pot. J. H. Pettus. 1,813,196; July 7.
Member or structure vibrated by energy impulses. F. A. Mallina. 1,813,579; July 7.
Member or structure vibrated by energy impulses. F. A. Stapler. 1,813,588–9; July 7.
Members, Supplementing the frictional resistance of relatively movable. J. M. Crawford. 1,833,415; Nov. 24.
Memo desk machine. M. B. Levy. 1,793,496; Feb. 24.
Memo device, Telephone and desk. B. Fleigel. 1,790,343; Jan. 27.
Memorandum and filing device, Combined. B. E. Switzler. 1,830,774; Nov. 10.
Memorandum device. O. Aebi and R. Dinichert. 1,817,793; Aug. 4.
Memorandum pad. R. Shoemaker, jr. 1,835,909; Dec. 8.
Mending. C. R. Dunn and A. E. Rahn. 1,193,225; Feb. 17.
Menthol and its isomers, Producing. H. Jordan, W. Schoeller, and R. Clerc. 1,802,055; Apr. 21.
Menthol, Making synthetic. J. W. Blagden. 1,811,711; June 23.
Menthol, Making synthetic. J. W. Blagden. 1,811,777; June 23.
Menthol, Producing. J. Jordan. 1,797,612; Mar. 24.
Menthol, Producing. W. Schoeller, H. Jordan and R. Clerc. 1,793,020; Feb. 17.
Mercaptans and mercaptides, Production of. P. S. Wisson and M. R. Mandelbaum. 1,836,183; Dec. 15.
Mercaptans, Preparation of. E. M. Johansen. 1,836,171; Dec. 15.
Mercaptans, Preparation of. G. L. Wendt. 1,791,179; Feb. 3.
Mercapto-benzo-thiazoles, Manufacturing substituted. A. H. Ney. 1,788,585; Jan. 13.
Mercapto thiazol derivatives, Manufacture of. W. P. ter Horst. 1,792,096; Feb. 10.
Merchandise-handling apparatus. J. J. Schermack. 1,790,725; Feb. 3.
Merchandising establishment. H. E. White and H. D James. 1,819,491; Aug. 18.
Merchandising system and mechanism. A. T. Hackl. 1,795,365; Mar. 10.
Mercurial printing surface. A. R. Trist. Re18,290; Dec. 15.
Mercury arc rectifier. J. C. Read. 1,802,185; Apr. 21.
Mercury compound, Making an organic. E. Scheitlen. 1,802,036; Apr. 21.
Mercury compound of para-nitro-aniline and making the same. M. S. Kharasch. 1,787,630; Jan. 6.
Mercury compound, Organic. A. Albert and J. Pfleger. 1,815,604; July 21.
Mercury from gases containing the same together with corrosive substances, Apparatus for condensing and collecting. K. I. Marshall. 1,835,169; Dec. 8.
Mercury from mercury-bearing ores or products, Extraction of. S. Croasdale. 1,827,971; Oct. 20.
Mercury in blue neon tubes, Deadening. L. L. Beck. 1,826,387; Oct. 6.
Mercury pressure gauge. G. B. Ireland. 1,811,178; June 23.
Mercury salts, Manufacture of. H. S. Reid and A. H. Maude. 1,808,253; June 2.
Mercury spark gap. W. F. G. Swann. 1,834,809; Dec. 1.
Mercury switch. P. K. Cramblet. 1,820,300; Aug. 25.
Mercury switch. P. K. Cramblet. 1,826,993; Oct. 13.
Mercury switch. P. K. Cramblet. 1,827,072; Oct. 13.
Mercury switch. P. K. Cramblet. 1,831,845; Nov. 17.
Mercury switch. R. D. Mailey. 1,804,017; May 5.
Mercury switch metal clip type. P. K. Cramblet. 1,827,071; Oct. 13.
Mercury tube switch. W. G. Hartwig. 1,797,574; Mar. 24.
Mercury vapor boiler. W. E. Trent. 1,792,784; Feb. 17.
Merry-go-round. C. H. Adams. 1,797,392; Mar. 24.
Merry-go-round. R. E. Miller. 1,798,098; Mar. 24.
Merry-go-round. K. Pronnecke. 1,818,647; Aug. 11.
Merry-go-round. P. C. Russell. 1,791,227; Feb. 3.
Merry-go-round. F. and S. H. Sucher. 1,813,210; July 7.
Merry-go-round. O. J. Watts. Re17,921; Jan. 6.
Mesh attaching machine. R. H. Berkley. 1,812,078; June 30.
Mesh fabric. S. G. Mandalian. 1,817,519; Aug. 4.
Mesh fabric. R. H. Smith. Des. 83,282; Feb. 10.
Mesh fabric, Metal-. H. B. Rowan. Des. 83,752; Mar. 24.
Message-register system, Party-line. C. B. Fowler. 1,799,223; Apr. 7.
Message transmission. A. B. Clark. 1,805,390; May 12.
Messages, Device for insuring privacy of reception of printing telegraph. P. Hitt. 1,834,278; Dec. 1.
Meta-cresol from phenolic mixtures, Separating. H. Schotte and H. Priewe. 1,830,859; Nov. 10.
Meta-hydroxy-diphenylamine compounds and making same. L. Laska and A. Werdermann. 1,822,974; Sept. 15.
Metal against corrosion and particularly of iron and steel against rust, Proofing of. W. H. Cole. 1,826,866; Oct. 13.
Metal aggregate. G. J. Comstock. 1,826,456; Oct. 6.
Metal alkyl compounds, Making. E. C. Britton. 1,805,756; May 19.
Metal alloy, Light. J. Weiss. 1,831,584; Nov. 10.
Metal alloys, Producing articles of refractory. H. Voigtländer and O. Kaufels. 1,800,122; Apr. 7.
Metal and metalliferous material, Furnace treatment of. D. H. Meloche. 1,831,254; Nov. 10.
Metal and plate, Cast. G. G. Gilpin. 1,826,875; Oct. 13.
Metal and brazing process therefor, Composite. C. Steenstrup. 1,804,237; May 5.
Metal and other materials, Apparatus for cutting. J. Jamieson. 1,815,736; July 21.
Metal and the like, Device for stacking sheet. J. H. Young and W. G. Frink. 1,807,816; June 2.
Metal and wood frame. I. A. Baum. 1,813,223; July 7.
Metal, Apparatus and method for shipping. R. T. Romine. 1,830,292; Nov. 3.
Metal, Apparatus for casting. C. E. Becker. 1,797,041; Mar. 17.
Metal, Apparatus for casting. A. W. Morris and S. P. Wetherill, jr. 1,815,361; July 21.
Metal, Apparatus for forming sheet. W. E. Richter. 1,831,033; Nov. 10.
Metal, Apparatus for handling sheet. W. E. Watkins. 1,811,374; June 23.
Metal, Apparatus for lithographing strip. C. Powers and B. M. Crum. 1,832,655; Nov. 17.
Metal, Apparatus for shaping sheet. O. J. Groehn and L. S. Lamb. 1,809,944; June 16.
Metal, Apparatus for shaping sheet. O. J. Groehn and L. S. Lamb. 1,812,045; June 30.
Metal article and making the same, Composite. R. Hervig and R. Jardine. 1,826,543; Oct. 6.
Metal article, Protected. J. H. Young. 1,812,732; June 30.
Metal articles electrolytically, particularly sheets, Producing. J. R. Cain and G. Yungblut. 1,834,203; Dec. 1.

Metal articles, Making. A. Kadow. 1,825,958; Oct. 6.
Metal articles such as table requisites, Production of silver plated. G. Henke. 1,823,938; Sept. 22.
Metal bars, Apparatus for cooling and annealing. J. R. George. Re18,152; Aug. 18.
Metal, Bearing. R. J. Shoemaker. 1,808,793; June 9.
Metal bending apparatus. L. E. Poole. 1,836,501–2; Dec. 15.
Metal-bending machine, Strip-. D. Smith. 1,795,151; Mar. 3.
Metal binding machine. M. M. Balsam. 1,806,277; May 19.
Metal blanks, Apparatus for forming scroll-edge. C. D. McDonald. 1,819,431; Aug. 18.
Metal body, Coated. E. R. Wehr and C. C. Mahlie. 1,788,755; Jan. 13.
Metal bodies, Apparatus for treating flexible. F. M. Dorsey. 1,793,914; Feb. 24.
Metal bodies, Hardening the inner surface of cylindrical. F. C. Langenberg. 1,833,025; Nov. 24.
Metal bodies, Method and apparatus for improving the texture of hollow. F. C. Langenberg. 1,834,128; Dec. 1.
Metal, Carbon free. P. D. Merica and A. E. Kayes. 1,811,696; June 23.
Metal carbonyls, Production of. W. Gaus, A. Mittasch, and L. Schlecht. 1,812,399; June 30.
Metal carbonyls, Production of. E. Keunecke. 1,836,474; Dec. 15.
Metal, Case-hardening. P. W. and E. B. Shimer. 1,789,257–8; Jan. 13.
Metal, Casting. E. C. Smith. 1,802,582; Apr. 28.
Metal, Casting molten. J. G. Collins and W. J. Reardon. 1,800,983; Apr. 14.
Metal-casting process and apparatus. M. E. Evans. 1,800,249; Apr. 14.
Metal cell. D. F. Youngblood. 1,818,522; Aug. 11.
Metal channel members, Apparatus for closing sheet-. L. S. Lamb. 1,793,222; Feb. 17.
Metal chlorides and hydrogen chloride, Anhydrous. J. Brode and C. Wurster. 1,809,158; June 9.
Metal cleaning compound. G. Jones. 1,836,665; Dec. 15.
Metal-coated articles, Fabricating. F. V. Knauss. 1,793,936; Feb. 24.
Metal-coated articles to insure uniformity of coating, Apparatus for treating. J. W. Moon. 1,799,760; Apr. 7.
Metal, Coating. V. M. Darsey. 1,791,715; Feb. 10.
Metal-coating apparatus. B. P. Finkbone. 1,789,172; Jan. 13.
Metal coatings, Method and apparatus for determining thickness of. W. A. Richards and P. H. Kramer. 1,792,606; Feb. 17.
Metal coatings, Producing protective. C. G. Fink and C. H. Eldridge. 1,813,842; July 7.
Metal, Composite. H. von Forster and E. Lay. 1,804,899; May 12.
Metal composition. R. R. Walter. 1,803,882; May 5.
Metal composition, Hard. S. L. Hoyt. 1,803,189; Apr. 28.
Metal composition, Hard. F. C. Kelley. 1,794,300; Feb. 24.
Metal compositions, Making hard. S. L. Hoyt. 1,794,229; Feb. 24.
Metal compositions, Producing openings through hard. G. F. Taylor. 1,823,709; Sept. 15.
Metal compounds, Recovery of alkali. C. A. Grondona. 1,808,773; June 9.
Metal compounds, Reduction of. G. N. Kirsebom. 1,827,821; Oct. 20.
Metal concrete for hearth plates and the like. H. H. Harris. 1,829,218; Oct. 27.
Metal construction, Sheets-. R. F. Carpenter and T. F. Anderson. 1,791,522; Feb. 10.
Metal cutting instrument. R. Heinrich. 1,831,447; Nov. 10.
Metal, Decorating rolled. E. A. Parker. 1,802,033; Apr. 21.
Metal, Device for use in forming undercut sections of rolled. H. Oberschulte. 1,826,813; Oct. 13.
Metal-drawing press. M. R. Hatch. 1,796,786; Mar. 17.
Metal drilling machinery, Drill arm for. A. E. Robinson and W. L. Schellenbach. 1,814,963; July 14.
Metal, Electrodeposition of. W. H. Hannay and F. E. Lee. 1,821,970; Sept. 8.
Metal, Expanding. H. M. Gersman. 1,802,811; Apr. 28.
Metal, Fastening nonmetallic elements to. W. V. Hershey. 1,834,706; Dec. 1.
Metal flanging or cutting and flanging machine. N. T. Willis. 1,821,457; Sept. 1.
Metal flashing. G. W. Orth. 1,799,637; Apr. 7.
Metal foils, Forming. G. Yungblut and H. C. Fisher. 1,811,485; June 23.
Metal for casting, Preparing. J. E. Linabury. 1,835,791; Dec. 8.
Metal for painting, Preparing. J. H. Gravell. 1,837,430; Dec. 22.
Metal for pouring, Preparing. A. A. Holbeck. 1,823,604; Sept. 15.
Metal frame. I. A. Baum. 1,837,747; Dec. 22.
Metal from corroding, Method of and material for preventing. J. H. Gravell. 1,805,982; May 19.
Metal from crude ores, Producing molten and refined. W. E. Goldsborough, J. D. Morgan, and G. H. Wyckoff. 1,804,161; May 5.
Metal from its ore, Extracting a. A. Schwarz. 1,814,062; July 14.
Metal grains, Manufacturing foil-shaped. E. Kramer. 1,832,868; Nov. 24.
Metal having high emissivity, Manufacture of. C. G. Fink. 1,808,889; June 9.
Metal, Heat-treating. J. J. Bowden. 1,824,865; Sept. 29.
Metal, Heat treating. A. T. Kathner. 1,810,612; June 16.
Metal hydraulically, Mechanism for machining. R. M. Galloway. 1,834,694; Dec. 1.
Metal hydrides, Preparation of. F. H. Driggs. 1,816,830; Aug. 4.
Metal hydrides, Preparation of. F. H. Driggs. 1,835,024; Dec. 8.
Metal in a part of ferrous metal, Brazing a part of nonferrous. G. W. Smith, jr. 1,838,160; Dec. 29.
Metal in molds, Apparatus for pouring. F. G. Carrington. 1,792,069; Feb. 10.
Metal in the production of commercial bars, Method of and apparatus for utilizing waste. J. W. Ames. 1,792,349; Feb. 10.
Metal lining, Crucible. W. J. Hawkins. 1,810,913; June 23.
Metal manufacture, Apparatus for roller spun. W. R. Harrison. 1,836,921; Dec. 15.
Metal manufacture, Roller spun. W. R. Harrison. 1,828,464; Oct. 20.
Metal, Method and apparatus for cleaning sheet. H. E. McCrery. 1,829,599; Oct. 27.
Metal, Method and apparatus for forming sheet. A. R. Curtis. 1,811,259; June 23.
Metal, Method and apparatus for preventing adherence of molten. H. V. Leckie. 1,812,409; June 30.
Metal, Method and apparatus for working. G. E. Neuberth. 1,810,886; June 16.
Metal, Method of and apparatus for flanging. C. J. Anchor. 1,827,452; Oct. 13.
Metal, Method of and apparatus for processing strip. J. H. Fellows. 1,837,159; Dec. 15.
Metal, Molding sheet. E. B. Carns. 1,793,054; Feb. 17.
Metal of pointed fastening devices, Manufacture from sheet. F. Humphris. 1,815,805; July 7.
Metal, Open annealing sheet. A. T. Kathner. 1,817,152; Aug. 4.
Metal or material, Sheet of. F. Humphris. 1,823,802; Sept. 15.
Metal or metallic parts, Testing. G. B. Ward. 1,831,783; Nov. 10.
Metal, Ornamenting strip. L. S. Howe. 1,789,273; Jan. 13.
Metal oxides, Producing finely divided. A. Mittasch, R. Lucas, and R. Greissbach. 1,816,388; July 28.
Metal package, Sheet. H. Kielberg. 1,811,506–7; June 23.
Metal-panel construction. M. S. Hart and G. H. Anderson. 1,801,080; Apr. 14.
Metal panels, Joining. M. W. Moesta. 1,789,109; Jan. 13.
Metal panels, Producing wood effects upon. H. C. Miller. 1,794,528; Mar. 3.
Metal particles, Reworking finely divided. J. Schmeller, sr. 1,810,535; June 16.
Metal parts, Machine for trimming. A. H. Wadell. 1,820,717; Aug. 25.
Metal parts, Making flanged cup-shaped. C. Schmidt. 1,795,379; Mar. 10.
Metal parts, Uniting. P. P. Alexander. 1,839,185; Dec. 29.
Metal-pattern equipment, Making. A. K. Laukel. 1,794,627; Mar. 3.
Metal phosphates by converting ferrophosphorus with alkali metal sulphates, Producing alkali. F. Ullmann, J. Breslauer, and E. Lie. 1,817,858; Aug. 4.
Metal pickling process. G. L. Magoun and D. H. Tompkins. 1,816,860; Aug. 4.
Metal pipe, Sheet-. C. J. Holub. 1,789,941; Jan. 20.
Metal plank, Sheet. F. Rauwald. 1,837,794; Dec. 22.
Metal plates, Electrically welding thick. R. Stresau. 1,812,123; June 30.
Metal plates, Shearing. F. C. Biggerts and L. J. Ingram. 1,819,635; Aug. 18.
Metal plates, Welding thick. B. T. Andren. 1,790,738; Feb. 3.
Metal, Plating. W. E. Watkins. 1,815,638; July 21.
Metal powders, Forming flotant. J. R. Cain. 1,794,585; Mar. 3.
Metal, Preparation of colloidal. G. Alleman. 1,805,199; May 12.
Metal, Process and apparatus for treating sheet. W. E. Watkins. 1,789,853; Jan. 20.
Metal, Producing differentially-tempered. J. C. Davis. 1,794,445; Mar. 3.
Metal, Production of expanded. H. A. Kessler. 1,795,493; Mar. 10.
Metal products, Apparatus for widening rolled-. H. M. Gersman. 1,814,594; July 14.
Metal products, Widening rolled. H. M. Gersman. 1,814,593; July 14.
Metal recovering apparatus. C. E. Bowers. 1,831,091; Nov. 10.
Metal recovering furnace. T. D. Stay and H. O. Burrows. 1,797,276; Mar. 24.
Metal-reduction bomb. W. P. Kiernan. 1,795,780; Mar. 10.
Metal, Reeling and rolling multiple strip. B. R. Shover. 1,838,330; Dec. 29.
Metal rings, Device for annealing. F. Linnhoff. 1,818,341; Aug. 11.

Metal rod for building construction, etc. W. S. Edge. 1,821,696; Sept. 1.
Metal rods, Production of drawn. J. T. Moltrup. 1,812,359; June 30.
Metal, Rolling. M. C. Corrigan and D. E. Jenkins. 1,829,339; Oct. 27.
Metal, Rolling. J. R. George. 1,810,167; June 16.
Metal screen. W. P. Chamberlain, jr. 1,827,382; Oct. 13.
Metal shapes, Manufacture of hollow sheet. O. Reifurth. 1,816,298; July 28.
Metal shapes, Treating. G. Kerékyártó, 1,830,550; Nov. 3.
Metal shearing apparatus. A. W. Phelps. 1,807,671; June 2.
Metal-sheet furnace. W. A. Blockinger. 1,788,977; Jan. 13.
Metal-sheets and processing the same, Member for use in the production of convex. A. Paterson. 1,833,035; Nov. 24.
Metal sheets, Apparatus for cleansing. C. H. Manion and C. W. Kinter. 1,791,101; Feb. 3.
Metal sheets, Apparatus for coating. E. W. Shinn and R. H. Scott. 1,794,093; Feb. 24.
Metal Sheets, Apparatus for slitting. T. Sindelar. 1,815,487; July 21.
Metal sheets, Apparatus for treating. E. R. Knapp. 1,806,805; May 26.
Metal sheets, Method of and apparatus for separating. P. E. Hunter and L. E. Endsley. 1,830,794; Nov. 10.
Metal sleeper. G. Ysehoedt. 1,788,040; Jan. 6.
Metal, Smelting. C. Brackelsberg. 1,797,125; Mar. 17.
Metal-spraying apparatus. W. S. Rice and C. M. Saeger, jr. 1,792,551; Feb. 17.
Metal-stamping press. A. H. Schloz. 1,801,024; Apr. 14.
Metal stiffeners, Making pronged sheet-. W. H. Nickerson. 1,801,018; Apr. 14.
Metal stock, Coiling hot. J. R. George and F. P. Dahlstrom. 1,822,589; Sept. 8.
Metal stock preparatory to its reduction by rolling, Handling of hot. J. R. George and J. A. Buell. 1,808,033; June 2.
Metal strips, Making. W. C. Coryell. 1,825,854; Oct. 6.
Metal structure, Expanded-. W. A. Bates. 1,788,145; Jan. 6.
Metal structure, Expanded-. W. A. Bates. 1,796,978; Mar. 17.
Metal structure for railway cars. W. E. Van Dorn. 1,809,611; June 9.
Metal structure, Trussed. H. J. Asleson. 1,788,183; Jan. 6.
Metal structures, Laying out sheet-. H. E. White. 1,788,179; Jan. 6.
Metal sulphides and making sulphur dioxide, Process of and apparatus for oxidizing. H. Freeman. 1,812,397; June 30.
Metal surfaces, Manufacturing veneered metal. M. Linse. 1,810,281; June 16.
Metal surfaces, Protecting. S. R. Mason. 1,827,204; Oct. 13.
Metal surfaces, Protecting. S. R. Mason. 1,827,247; Oct. 13.
Metal surfaces to receive permanent coatings, Preparing. R. Z. Hopkins, A. E. Fellers, and O. T. Coffelt. 1,814,600; July 14.
Metal to metal joint. O. T. Nelson. 1,807,003; May 26.
Metal transfer and heating mechanism. W. H. Holt. 1,801,349; Apr. 21.
Metal treating apparatus. C. Schumacher. 1,817,902; Aug. 4.
Metal-treating composition. D. Lamon. 1,788,876; Jan. 13.
Metal-treating machine. C. T. Willard and R. Kaier. 1,792,456; Feb. 10.
Metal, Treatment of. F. J. Carolius and R. W. Stuler 1,813,840; July 7.
Metal-trimming method. J. C. Cromwell. 1,787,513; Jan. 6.
Metal tubing, Welding. E. Riemenschneider. 1,810,112; June 16.
Metal turning machine, Multiple spindle. J. C. Potter. 1,827,485; Oct. 13.
Metal vapor rectifier. R. G. Berthold. 1,808,517; June 2.
Metal wall construction. M. Milleville. 1,807,667; June 2.
Metal-ware cleaning. E. R. Zademach. 1,788,353; Jan. 6.
Metal welding, Electric. E. Bornand and H. A. Schlaepfer. 1,809 468; June 9.
Metal wheel. E. E. Walker. 1,812,226; June 30.
Metal wheel. G. Walther. 1,809,655; June 9.
Metal wheel. G. Walther. 1,837,694; Dec. 22.
Metal wheel and making the same. E. H. Arnold. 1,821,782; Sept. 1.
Metal with a cutting gas, Cutting. C. J. Coberly. 1,799,613; Apr. 7.
Metal work, Apparatus for treating. H. Rosenberg. 1,806,503; May 19.
Metal working apparatus. W. R. Hume. 1,806,855; May 26.
Metal working machine. G. F. Bryant. 1,836,954; Dec. 15.
Metal-working machine. G. O. Gridley. 1,796,867; Mar. 17.
Metal working machine. C. C. Grotnes. 1,807,980; June 2.
Metal-working machine. A. W. Happel. 1,793,611; Feb. 24.
Metal working machine. H. G. Kellogg. 1,807,847; June 2.
Metal working machine. H. M. Lucas. 1,813,355; July 7.
Metal-working machine. J. W. Mullin. 1,790,943; Feb. 3.
Metal working machine. L. E. Poole. 1,828,379; Oct. 20.
Metal-working machine. H. W. Rupple. 1,796,538; Mar. 17.
Metal working machine, Sheet. P. R. Hahnemann. 1,812,479; June 30.
Metal working machine, Sheet. P. R. Hahnemann. 1,822,697; Sept. 8.
Metal working machines, Automatic feeding apparatus for sheet. C. L. Eksergian. 1,816,319; July 28.
Metal working mechanism. R. S. Allyn. 1,830,778; Nov. 10.
Metal, Working normally-brittle sheet. W. E. Ruder. 1,801,110; Apr. 14.
Metal working press. F. J. Rode. 1,834,111; Dec. 1.
Metallic and nonmetallic matter, Apparatus for mechanically combining. E. Meier. 1,797,992; Mar. 24.
Metallic articles, Producing. C. L. Gebauer. 1,809,780; June 9.
Metallic articles, Treating. O. A. Bassett. 1,811,909; June 30.
Metallic bodies, Apparatus for measuring variations in thickness of. H. E. Kranz. 1,815,717; July 21.
Metallic colloid and producing the same. F. E. Bischoff. 1,787,659; Jan. 6.
Metallic composition and process of preparing the same. Le R. L. Wyman. 1,822,720; Sept. 8.
Metallic compounds and production of arsenates, Reduction of. G. N. Kirsebom. 1,827,754; Oct. 20.
Metallic fabric, Composite. R. L. Hartwell. 1,811,081; June 23.
Metallic leaf applying device. S. H. Swallow. 1,809,875; June 16.
Metallic ores or other metallic products, Process and apparatus for the treatment of. T. Rowlands. 1,795,681; Mar. 10.
Metallic plates, Embossing. A. D. Wood. 1,807,141; May 26.
Metallic powders, Manufacture of. E. Drouilly. 1,799,157; Apr. 7.
Metallic powders, Producing. E. Fitzpatrick, C. W. Clark, and P. A. Tiernan. 1,804,924; May 12.
Metallic refractory material. J. G. Donaldson and H. L. Coles. 1,820,966; Sept. 1.
Metallic resistor. F. T. Cope. 1,827,508; Oct. 13.
Metallic resistor element. T. F. Baily. 1,809,227; June 9.
Metallic sheets, Manufacture of. J. R. Cain and G. Yungblut. 1,818,379; Aug. 11.
Metallic strap, Flexible. W. Forstner. 1,808,920; June 9.
Metallic structural unit. V. Von Forster. 1,823,416; Sept. 15.
Metallic structure for jewelry and the like, Fabricated. H. Miller. 1,797,583; Mar. 24.
Metallic structure for railway cars. W. E. Van Dorn. 1 809,612; June 9.
Metallic surfaces, Cleaning and preserving of. T. W. Bartram and D. H. Tompkins. 1,808,200; June 2.
Metallic surfaces, Cleaning and preserving of. D. H. Tompkins. 1,808,184–7; June 2.
Metallic surfaces, Method and apparatus for plating. E. O. Dunkley. 1,793,069; Feb. 17.
Metallic surfaces, Treating. S. R. Mason. 1,837,721; Dec. 22.
Metallic tag strip. W. J. Pannier, jr. 1,815,632; July 21.
Metallic tantalum, Obtaining. C. W. Balke. 1,799,403; Apr. 7.
Metallic vapors, Condensing. G. T. Mahler, E. C. Handwerk, and E. H. Bunce. 1,790,012; Jan. 27.
Metallic window frame and sash. H. C. Hasselbusch. 1,821,511; Sept. 1.
Metalliform carbonitrides and for superficial nitrification of Tungsten, Producing homogeneous. R. R. Walter. 1,803,276; Apr. 28.
Metallurgical apparatus. A. P. Roux. 1,829,158; Oct. 27.
Metallurgical furnace. F. A. Fahrenwald. 1,828,836; Oct. 27.
Metallurgical furnace. J. Harrington. 1,792,638; Feb. 17.
Metallurgical furnace. F. H. Loftus. 1,792,021; Feb. 10.
Metallurgical furnace. H. Navratiel. 1,825,011; Sept. 29.
Metallurgical furnace. W. H. Smith. 1,789,847; Jan. 20.
Metallurgical-furnace process. T. B. Stillman. 1,800,669; Apr. 14.
Metallurgical process. R. F. Meyer. 1,822,995; Sept. 15.
Metallurgical process. R. F. Meyer. 1,833,683–4; Nov. 24.
Metallurgical process. K. M. Simpson. 1,812,563; June 30.
Metallurgical process. L. A. Wilson. 1,829,124; Oct. 27.
Metallurgical process and apparatus. F. Lawaczeck. 1,824,960; Sept. 29.
Metallurgical slimes, Treating. H. Lehrecke. 1,826,183; Oct. 6.
Metallurgical, smelting, and molding operations, Apparatus for performing. W. A. Loth. 1,839,106; Dec. 29.
Metallurgical treatment. C. Thurneyssen. 1,826,583; Oct. 6.
Metallurgy of ores or materials containing tin. E. A. Ashcroft. 1,817,865; Aug. 4.

Metals and alloys, Method of and apparatus for testing. M. A. Miller. 1,814,522; July 14.
Metals and alloys, Producing. T. R. Haglund. 1,794,401; Mar. 3.
Metals and alloys, Purification of. A. Hanak. 1,837,432; Dec. 22.
Metals and alloys therefor, Casting. W. C. Smith. 1,812,992; July 7.
Metals and apparatus for practicing the same, Method of electro-depositing precious. B. Bart. 1,837,193; Dec. 22.
Metals and apparatus therefor, Electrodepositing. M. J. Udy. 1,830,343; Nov. 3.
Metals and apparatus therefor, Rolling. K. Karius. 1,804,879; May 12.
Metals and ceramic masses according to the centrifuging method, Process and apparatus for casting. C. Fritzsche. 1,823,037; Sept. 15.
Metals and compositions therefor, Treating. J. C. Vignos. 1,817,500; Aug. 4.
Metals and metal compounds soluble in ammoniacal liquors, Recovery of. L. Schlecht, W. Schubardt, and F. Duftschmid. 1,825,211; Sept. 29.
Metals and/or their compounds, Treatment of. G. N. Kirsebom. 1,827,820; Oct. 20.
Metals and oxides from boiler ash, Recovering. T. F. Baily. 1,815,888; July 28.
Metals, and product thereof, Improving. E. S. Fisher. 1,828,701; Oct. 20.
Metals and the product produced thereby, Purifying. W. J. Merten. 1,790,164; Jan. 27.
Metals and treating agent therefor, Treating. F. J. Wilson and A. S. Evans. 1,825,565; Sept. 29.
Metals, Apparatus for amalgamating. E. W. Myers. 1,794,090; Feb. 24.
Metals, Apparatus for casting alkaline earth. H. S. Cooper. 1,834,049; Dec. 1.
Metals, Apparatus for recovering easily fusible. W. F. Eppenstelner and H. Morecroft. 1,826,755; Oct. 13.
Metals, Apparatus for testing. J. A. Sams and V. F. Shaw. 1,789,196; Jan. 13.
Metals, Bright annealing of. R. G. Guthrie and O. J. Wozasek. 1,815,505; July 21.
Metals by electrolysis, Obtaining light. E. Steinbuch and G. Füllemann. 1,820,844; Aug. 25.
Metals by electrolysis, Preparing rare refractory. F. H. Driggs and W. C. Lilliendahl. 1,835,025; Dec. 8.
Metals by sublimation, Separating volatile. H. E. Bakken. 1,814,072; July 14.
Metals, Case carburizing and heat treating. P. V. Brower. 1,817,345; Aug. 4.
Metals, Case carburizing and heat treating. P. V. Brower. 1,817,407; Aug. 4.
Metals, Casting. H. L. Coles. 1,815,186; July 21.
Metals, Casting. A. W. Morrie and S. P. Wetherill, jr. 1,815,360; July 21.
Metals, Cleaning. H. S. George. 1,832,979; Nov. 24.
Metals, Cleaning and pickling. W. L. Semon. 1,830,566; Nov. 3.
Metals, Coating. F. R. Glenner, 1,830,652; Nov. 3.
Metals, Coating and coloring. A. Pacz. 1,798,218; Mar. 31.
Metals, Electrolytic deposit of heavy. M. Schlotter. 1,824,100; Sept. 22.
Metals, Flotation of. G. G. Thomas. 1,802,989; Apr. 28.
Metals from ores, Recovery of. A. L. J. Queneau. 1,816,743; July 28.
Metals from ores, Recovery of refractory. C. V. Iredell. 1,791,272; Feb. 3.
Metals from ores, Reduction of. L. G. Jenness. 1,834,622; Dec. 1.
Metals from refractory ores, Recovery of precious. R. F. Meyer. 1,824,093; Sept. 22.
Metals from solutions as sulphides, Precipitating. N. C. Christensen. 1,793,906; Feb. 24.
Metals from the slimes or residues of electrolytic lead refining operations, Extracting or recovering. J. J. Fingland, A. D. Turnbull, and P. F. McIntyre. 1,801,339; Apr. 21.
Metals from their carbonyls, Production of. A. Mittasch and L. Schlecht. 1,825,241; Sept. 29.
Metals from their oxide ores, Producing. W. E. Trent. 1,814,461; July 14.
Metals in pickling baths, Preventing the dissolution of. L. B. Sebrell. 1,805,052; May 12.
Metals into sponge or spongy masses, Converting. H. G. Flodin. 1,792,532; Feb. 17.
Metals, Manufacture of difficultly melting heavy. H. Voigtlander. and O. Kaufels. 1,829,950; Nov. 3.
Metals, Manufacture of powdered. J. H. Davis. 1,834,687; Dec. 1.
Metals, Manufacturing of finely subdivided. K. Marx, H. Behncke, and H. Zobel. 1,815,790; July 21.
Metals, Melting. L. E. Zifferer. 1,825,841; Oct. 6.
Metals, Obtention of sodium or potassium. J. Ylla-Conte. 1,837,935; Dec. 22.
Metals or alloys with layers of metallic beryllium, Covering. H. Fischer. 1,801,808; Apr. 21.
Metals or metal-metal compounds and resulting product, Preparing. W. C. Wilson. 1,792,262; Feb. 10.
Metals or other electric conductors, Applying protective layers on. J. H. Mellquist. Re18,030; Apr. 7.
Metals, Pickling. D. H. Tompkins. 1,808,188; June 2.
Metals, Pickling. V. Voorhees. 1,793,146; Feb. 17.
Metals, Pickling of. E. Chapman. 1,836,445; Dec. 15.
Metals, Plating. W. E. Watkins. 1,810,409; June 16.
Metals, Plating. W. E. Watkins. 1,825,763; Oct. 6.
Metals, Preparing rare refractory. F. H. Driggs and J. W. Marden. 1,821,176; Sept. 1.
Metals, Process and bath for pickling. V. Voorhees. 1,838,338; Dec. 29.
Metals, Production of finely divided. L. Schlecht and W. Schubardt. 1,836,732; Dec. 15.
Metals, Purification of. A. C. Jessup. 1,820,141; Aug. 25.
Metals, Purifying. C. W. Carman. 1,809,436; June 9.
Metals, Purifying ferrous. C. T. Henning. 1,826,880; Oct. 13.
Metals, Recovering. W. F. Bleecker. 1,800,500; Apr. 14.
Metals, Recovery of. P. Robinson. 1,806,310; May 19.
Metals, Recovery of volatile. E. Klepetko. 1,836,975; Dec. 15.
Metals, Refining. W. C. Smith. 1,812,993; July 7.
Metals, Refining molten. G. S. Evans. 1,816,007; July 28.
Metals, Separation of. G. U. Greene. 1,821,634; Sept. 1.
Metals, Treating. H. H. Stout. 1,822,939; Sept. 15.
Metals, Treating. J. G. E. Wright. 1,829,623; Oct. 27.
Metals upon cement surfaces, Coating of. S. Seailles, née Calogeropoulos, and J. Seailles. 1,829,116; Oct. 27.
Metals with nitrogen, Treating. R. J. Anderson. 1,802,693; Apr. 28.
Metaldehyde, Production of. E. Lüscher and H. Steiger. 1,804,357; May 5.
Meter: *See*—

Batch meter.	Lubricant-flow meter.
Brick meter.	Multirate meter.
Demand meter.	Operation meter.
Displacement meter.	Postage meter.
Electric meter.	Power meter.
Electrical meter.	Prepayment meter.
Electricity meter.	Record-printing meter.
Flow meter.	Respiration meter.
Fluid flow meter.	Shot string meter.
Fluid meter.	Summation meter.
Frequency meter.	Supply meter.
Gas meter.	Truck mix meter.
Graphic meter.	Venturi meter.
Grease meter.	Vibration meter.
Induction meter.	Volt-ampere meter.
Liquid-flow meter.	Water meter.
Liquid meter.	Watt-hour meter.

Meter. D. J. Angus. 1,817,432; Aug. 4.
Meter. H. Chrisman. 1,799,546; Apr. 7.
Meter. M. Cornell. Re18,067; May 12.
Meter. G. C. Earl. 1,808,212; June 2.
Meter. A. G. Holmes. 1,790,149; Jan. 27.
Meter. L. D. Johnson. 1,807,215; May 26.
Meter adapter. B. D. Horton. 1,788,624; Jan. 13.
Meter and the like. T. A. Banning, jr. 1,796,313; Mar. 17.
Meter bottom, Water. E. E. Spencer. 1,833,003; Nov. 24.
Meter box, Extensible. L. G. Haase and F. M. Brooks. 1,817,307; Aug. 4.
Meter connection. G. W. McKee. 1,814,173; July 14.
Meter connection and support. J. T. Sutliff. 1,801,377; Apr. 21.
Meter connection and support. J. T. Sutliff. 1,813,643–4; July 7.
Meter control device, Relay circuit. W. Beusch. 1,801,302; Apr. 21.
Meter-controlled torque device. J. J. Greene. 1,793,315; Feb. 17.
Meter device. B. G. La Bar. 1,824,781; Sept. 29.
Meter device. H. P. Sparkes. 1,798,710; Mar. 31.
Meter device, Induction. W. G. Mylius and B. G. Labar. 1,818,151; Aug. 11.
Meter dial marking. T. Koning. 1,809,784; June 9.
Meter filling, Orifice. C. M. O'Leary and J. F. Hiltscher. 1,813,418; July 7.
Meter for alternating current. W. W. Scherer. 1,800,474; Apr. 14.
Meter for concrete aggregate, Moisture. R. E. Robb. 1,802,535; Apr. 28.
Meter for measuring ground resistance. S. W. Borden. 1,820,214; Aug. 25.
Meter for photographic purposes exposure. H. Rikli-Kehlstadt. 1,800,644; Apr. 14.
Meter for working control, Output. M. Kurrein. 1,817,922; Aug. 11.
Meter hanger. J. T. Sutliff. 1,801,376; Apr. 21.
Meter housing. C. S. Hazard. Des. 84,336–7; June 9.
Meter indicating-dial face, Gas. G. W. McDougall. Des. 83,559; Mar. 3.
Meter installation. H. Lauritano. 1,815,855; July 21.
Meter of Ferraris type, Electric. A. H. Gartnäs. 1,835,861; Dec. 8.
Meter of tiltable trucks, Truck mix. J. F. Robb. 1,824,625; Sept. 22.
Meter paper, Inspecting apparatus for. J. R. Weaver. 1,790,183; Jan. 27.
Meter-reading device, Automatic. J. R. Hewett. 1,800,019; Apr. 7.
Meter reading system, Electrical. G. G. Floyd. 1,802,643; Apr. 28.
Meter seal. J. L. Porter. 1,808,969–70; June 9.
Meter service appliance, Electric-. J. Sachs. 1,790,321–2; Jan. 27.
Meter system. H. D. Winton. 1,823,308; Sept. 15.

Meter systems, Automatic control for pump equipped. W. S. Brubaker. 1,825,775; Oct. 6.
Meter terminal. W. Bradshaw and W. G. Mylius. 1,806,327; May 19.
Meter-testing machine, Dual-. W. T. Rimele. 1,792,870; Feb. 17.
Meter testing switch. W. H. Schramm. 1,822,113; Sept. 8.
Meter treating apparatus. H. W. Clark. 1,830,311; Nov. 3.
Metering apparatus. M. O. Schur and E. P. Cook. 1,811,898; June 30.
Metering device chiefly applicable to apparatus for the delivery of liquids. H. Boutillon. 1,788,186; Jan. 6.
Metering in telephone systems, Call. N. E. Nilsson. 1,835,893; Dec. 8.
Metering means for oil filters. C. L. McCuen. 1,837,665; Dec. 22.
Metering system, Remote. B. E. Lenehan. 1,813,177; July 7.
Metering system, Remote. G. G. Waite. 1,804,576; May 12.
Meters, Adjustable tangent arm for gas. H. G. Weymouth. 1,826,850; Oct. 13.
Meters, Back check for gas. D. N. Lambert. 1,810,835; June 16.
Meters, Combined pressure recording and volume registering attachment for fluid. J. R. Armstrong and L. H. Duncan. 1,816,995; Aug. 4.
Meters, Cut-off mechanism for. W. L. Marden. 1,831,965; Nov. 17.
Meters, Demand limit device for fluid. J. R. Armstrong. 1,814,657; July 14.
Meters, Stroboscopic testing of watthour. H. P. Sparkes. 1,788,127; Jan. 6.
Meters, Testing. S. Aronoff. 1,819,494; Aug. 18.
Methanol, Manufacture of. C. Natta. 1,815,677; July 21.
Methyl arylamines, Making. E. C. Britton and W. H. Williams. 1,793,993; Feb. 24.
Methyl salicylate, Purifying. M. E. Putnam. 1,814,853; July 14.
Methylene - diguaiacol derivative. S. L. Summers. 1,793,027–8; Feb. 17.
Mica laying apparatus. L. T. Frederick. 1,807,206; May 26.
Mica powder, Producing. J. Davenport. 1,829,039; Oct. 27.
Mica products, Method and apparatus for producing. F. C. Atwood. 1,829,031; Oct. 27.
Mica splitter. L. T. Frederick. 1,823,136; Sept. 15.
Mica splitting machine. L. T. Frederick. 1,831,061; Nov. 10.
Mica washers, Apparatus for producing laminated. H. W. Cooper. 1,820,182; Aug. 25.
Microadjusting device. C. R. Butler. 1,793,051; Feb. 17.
Microcinematographic apparatus. H. Rosenberger. 1,794,499; Mar. 3.
Micro-manipulator. J. H. Emerson. 1,828,460; Oct. 20.
Micrometer. A. D. Mizzy and W. E. Favini. 1,822,413; Sept. 8.
Micrometer. V. F. Witter and U. A. Frederick. 1,829,323; Oct. 27.
Micrometer caliper. F. O. Jaques, jr. 1,795,778; Mar. 10.
Micrometer caliper, Inside. H. G. Cunningham. 1,806,893; May 26.
Micrometer calipers. C. Joroit. 1,818,853; Aug. 11.
Micrometer construction. O. V. Karlsson. 1,817,516; Aug. 4.
Micrometer gauge, Internal. J. R. Aulenback. 1,819,144; Aug. 18.
Micrometer. Measuring machine. J. W. Parker. 1,803,283; Apr. 28.
Micrometric gauge. Watchmaker's. A. A. Zajtman. 1,829,698; Oct. 27.
Microphone. L. de Forest. 1,834,051; Dec. 1.
Microphone. W. Kühnert and M. Maurer. 1,809,713; June 9.
Microphone and microphone mounting. H. J. Ellis. 1,805,362; May 12.
Microphone, Carbon grain. R. Vermeulen. 1,829,203; Oct. 27
Microphone, Cheek. E. Nolke. 1,812,114; June 30.
Microphone, Electrodynamic. C. R. Hanna. 1,792,300; Feb. 10.
Microphonic material and producing the same. H. F. Fruth. 1,833,640–1; Nov. 24.
Microscope. W. L. Patterson. 1,808,317; June 2.
Microscope, Binocular. M. Engelmann. 1,818,974; Aug. 18.
Microscope objective. A. König. 1,790,926; Feb. 3.
Microscope objective. A. König. 1,791,276; Feb. 3.
Microscope slide or counting chamber. H. G. Ott. 1,824,097; Sept. 22.
Microscope tube. W. Bauersfeld and M. Hübschmann. 1,807,613; June 2.
Microtome. H. H. Otti. 1,797,694; Mar. 24.
Milk and other liquids, Treatment of. J. W. Martin, jr. 1,825,645; Sept. 29.
Milk bottle rack. G. A. Thompson. 1,835,726; Dec. 8.
Milk cooler. I. J. B. Demers. 1,826,750; Oct. 13.
Milk cooler. E. Hauk. 1,813,050; July 7.
Milk delivery system, Continuous. C. H. Hapgood. 1,813,238; July 7.
Milk fat, Manufacture of pure. H. Cloukey and L. H. Clark. 1,837,205; Dec. 22.
Milk heater. J. H. Godfrey. 1,809,116; June 9.
Milk in bottles, Apparatus for facilitating the delivery of. J. Brown. 1,828,125; Oct. 20.
Milk, Making liquid malted. W. O. Frohring. 1,810,518; June 16.
Milk, Manufacture of evaporated. J. M. McClatchie. 1,821,943; Sept. 8.
Milk-pasteurizing apparatus. C. E. North. 1,791,511; Feb. 10.
Milk product and making the same. W. L. Kulp. 1,799,303; Apr. 7.
Milk solids with ultra-violet rays and the product of such method, Irradiating. G. C. Supplee. 1,817,936; Aug. 11.
Milk stirring apparatus. J. S. Losee. 1,831,499; Nov. 10.
Milk treating apparatus. G. J. Meyer. 1,809,135; June 9.
Milk-treatment tank. E. B. Nichols. 1,797,014; Mar. 17.
Milking apparatus. L. Dinesen. 1,812,086; June 30.
Milking apparatus. F. Henrard. 1,816,116; July 28.
Milking machine. C. H. Hapgood. 1,816,482; July 28.
Milking machine. R. L. Hinman. 1,803,253; Apr. 28.
Milking machine. R. L. Hinman. 1,810,477; June 16.
Milking machine. J. Taylor. 1,822,680; Sept. 8.
Mill: *See*—

Alfalfa mill.	Paper mill.
Attrition mill.	Pulverizing mill.
Ball or tube mill.	Reducing mill.
Beetling mill.	Ring rolling mill.
Breakdown mill.	Rod mill.
Coal mill.	Rolling mill.
Colloidal mill.	Rubber mill.
Continuous sheet mill.	Tube mill.
Continuous strip mill.	Tube-rolling mill.
Crushing mill.	Seamless tube mill.
Edging mill.	Sugar mill.
Fruit-crushing mill.	Sugar cane mill.
Grinding mill.	Sugar roll mill.
Hammer mill.	Tumbling mill.
Oil mill.	

Mill and feeder, Hammer-type. A. L. Veeder. 1,797,107; Mar. 17.
Mill and method, Rolling. E. Barten. 1,792,458; Feb. 10.
Mill and process for rolling tubes, Rolling. J. Roeder and W. Wellmann. 1,815,867; July 21.
Mill beetle, Disintegrating-. E. Kramer. 1,793,097; Feb. 17.
Mill catcher, Hot-. D. Buccicone. 1,796,745; Mar. 17.
Mill catcher, Hot. D. Buccicone. 1,837,107; Dec. 15.
Mill control, Rolling. C. White. 1,838,341; Dec. 29.
Mill drive with Leonard control, Electric rolling. H. Heymann. 1,806,349; May 19.
Mill for coffee and the like. E. M. Flaherty. 1,829,985; Nov. 3.
Mill for grains, Grinding. F. M. Mayer. 1,794,972; Mar. 3.
Mill for manufacturing lap-weld tubing. R. F. Haughey. 1,788,833; Jan. 13.
Mill guide, Rolling. P. G. Palmgren. 1,804,947; May 12.
Mill guide, Rolling. P. G. Palmgren. 1,814,735–6; July 14.
Mill installation, Rolling. M. A. McCreary. 1,828,426; Oct. 20.
Mill piercing point, plug, and guide and making same, Rolling. H. F. Tielke. 1,807,453; May 26.
Mill piercing points, Using rolling. H. F. Tielke. 1,807,454; May 26.
Mill plant and operating same, Rolling. W. C. Oberg and A. W. Soderberg. 1,812,247; June 30.
Mill repeater, Rolling. A. C. Brauer and G. W. Weimer. 1,826,451; Oct. 6.
Mill roll cooling device. R. R. Jones. 1,819,988; Aug. 18.
Mill roll, Expanding. J. V. Mazurie. 1,837,168; Dec. 15.
Mill rolls, Apparatus for treating. C. F. Logan. 1,797,430; Mar. 24.
Mill rolls, Cane slicer and leveler attachment for sugar. C. J. Pender. 1,797,673; Mar. 24.
Mill rolls, Cooling. K. B. Kilborn. 1,820,074; Aug. 25.
Mill screw down control, Metal rolling. W. R. Webster and W. R. Clark. 1,814,354; July 14.
Mill sheets or the like, Method of and apparatus for shearing packs of hot-. J. W. Free. 1,798,017; Mar. 24.
Mill with closed casing, Beetling. E. Kramer. 1,793,096; Feb. 17.
Milling and drilling machine. G. Melling. 1,812,601; June 30.
Milling curd, Apparatus for use in. R. W. Harris. 1,814,033; July 14.
Milling cutter. B. Sharp. 1,797,026; Mar. 17.
Milling machine. A. B. Bachmann. Re17,959; Feb. 10.
Milling machine. V. E. Flodin. 1,835,290; Dec. 8.
Milling machine. W. J. F. Forward and R. R. Roberts. 1,825,721; Oct. 6.
Milling machine. J. Goetz and L. J. Radermacher. 1,791,758; Feb. 10.
Milling machine. E. J. Kearney. 1,835,782; Dec. 8.
Milling machine. H. E. Morton. 1,811,363; June 23.
Milling machine. J. L. Osgood. 1,796,663; Mar. 17.
Milling machine. A. Trosch. 1,825,684; Oct. 6.
Milling machine attachment. F. Niblock. 1,830,128; Nov. 3.
Milling machine for locomotive driving boxes. E. L. Fickett and R. P. Stocking. 1,838,816; Dec. 29.
Milling machine for milling slots by slabbing cutters or end mills. O. Forst. 1,800,991; Apr. 14.

Milling machine head. J. H. Edwardsen. 1,837,766; Dec. 22.
Milling machine slide. F. A. Parsons. 1,835,328; Dec. 8.
Milling machines, Control device for. J. C. Potter. 1,829,943; Nov. 3.
Mills, Apparatus for grinding the rolls of ore crushing or like. A. Voegel. 1,806,226; May 19.
Mills, Automatic repeater for rolling. J. M. Koch. 1,809,128; June 9.
Mills, Billet manipulator for rolling. J. A. Smitmans. 1,810,684; June 16.
Mills, Grinding. P. Kittay. 1,820,462; Aug. 25.
Mills, Guide for rolling. G. W. Sills. 1,826,531; Oct. 6.
Mills, Repeater for rolling. L. Johnson. 1,830,795; Nov. 10.
Mine and firing methods therefor, Marine. J. K. M. Harrison. 1,814,152; July 14.
Mine firing device, Electric. N. and O. Schmitt. 1,832,052; Nov. 17.
Mine layer, Submarine. M. F. Gunning. 1,797,770; Mar. 24.
Mine layout. G. Adams. 1,789,665; Jan. 20.
Mine-shaft gate. W. G. Johnson. 1,794,712; Mar. 3.
Mineral surfacing and mineralized roofing. A. W. Sewall. 1,831,469; Nov. 10.
Minerals, Flotation concentration of metalliferous. H. Lavers and A. H. Higgins. 1,833,427; Nov. 24.
Minerals for concentration by froth flotation, Preparing oxidized. L. W. Ferris. 1,831,808; Nov. 17.
Minerals separation, Method and material for. R. Luckenbach. 1,830,909; Nov. 10.
Minerals, Separation of. A. Nagelvoort. 1,839,117; Dec. 29.
Mining and loading machine. E. C. Morgan. 1,809,282; June 9.
Mining and loading machine, Coal. E. C. Morgan. 1,790,057; Jan. 27.
Mining apparatus. F. Cartlidge. 1,824,945; Sept. 29.
Mining apparatus. M. P. Holmes. 1,801,861–2; Apr. 21.
Mining apparatus. M. P. Holmes. 1,813,804; July 7.
Mining apparatus. M. P. Holmes. 1,836,250; Dec. 15.
Mining apparatus. C. F. Osgood. 1,826,218; Oct. 6.
Mining apparatus. C. F. Osgood. 1,836,277; Dec. 15.
Mining machine. F. Cartlidge. 1,824,946; Sept. 29.
Mining machine. C. E. Davis. 1,794,367; Mar. 3.
Mining machine. J. E. Dillon. 1,803,547; May 5.
Mining machine. S. L. Ferris. 1,830,267; Nov. 3.
Mining machine. R. M. Fleming. 1,808,649; June 2.
Mining machine. M. P. Holmes. 1,808,224; June 2.
Mining machine. M. P. Holmes. 1,810,105; June 16.
Mining machine. M. P. Holmes. 1,813,803; July 7.
Mining machine. M. P. Holmes. 1,815,872–3; July 21.
Mining machine. M. P. Holmes. 1,819,778; Aug. 18.
Mining machine. M. P. Holmes. 1,824,953–4; Sept. 29.
Mining machine. F. A. Homewood. 1,808,850; June 9.
Mining machine. N. D. Levin. 1,792,499; Feb. 17.
Mining machine. N. D. Levin. 1,805,876; May 19.
Mining machine. F. A. Lindgren. 1,802,084; Apr. 21.
Mining machine. E. C. Morgan. 1,808,858; June 9.
Mining machine. C. F. Osgood. 1,801,239; Apr. 24.
Mining machine. C. F. Osgood. 1,804,946; May 12.
Mining machine. C. F. Osgood. 1,824,964–5; Sept 29.
Mining machine. C. A. Pratt. 1,834,533; Dec. 1.
Mining machine. M. C. Scherer. 1,802,221; Apr. 21.
Mining machine, Retreating longwall face. A. M. Marion and E. C. Gerry. 1,824,727; Sept. 22.
Mining machines, Auxiliary unit for. B. W. Snodgrass. 1,829,549; Oct. 27.
Mining machines, Controlling fluid pressure breaking mechanism for. E. C. Morgan. 1,809,283; June 9.
Mining, System and method of hydraulic. H. L. Mead. 1,810,571; June 16.
Mineral fiber articles, Making. A. L. Kennedy. 1,820,538; Aug. 25.
Mineral oil and anti-oxidant agent and process. H. A. Morton. 1,805,953; May 19.
Mineral oil, Dewaxing. L. Edeleanu. 1,809,777; June 9.
Mineral waters and producing same, Artificial. W. Schoeller. 1,812,560; June 30.
Minerals, Apparatus for grinding and separating. H. F. Dubbert. 1,822,647; Sept. 8.
Minerals by flotation, Separation of. F. G. Moses, R. W. Hess, and R. L. Perkins. 1,801,317; Apr. 21.
Minerals contained in ore pulp, Selectively floating one or more. M. Kraut. 1,802,919; Apr. 28.
Minerals, Flotation of. F. G. Moses, R. W. Hess, and R. L Perkins. 1,801,319; Apr. 21.
Minerals, Flotation recovery of. L. J. Christmann. 1,823,318; Sept. 15.
Minerals from stream beds, Extracting. J. V. Rowley. 1,802,836; Apr. 28.
Minerals, Froth flotation of. R. L. Perkins. 1,819,112; Aug. 18.
Minerals, Preparation of. F. G. Moses, R. W. Hess, and R. L. Perkins. 1,807,860; June 2.
Minnow dip net. J. H. Billings. 1,832,178; Nov. 17.
Minnow plug bait. J. Neukam. 1,828,574; Oct. 20.
Minnow trap, Collapsible. J. C. Goodlet. 1,804,684; May 12.
Mirror. F. X. Campbell. 1,815,966; July 28.
Mirror. F. X. Campbell. 1,836,900; Dec. 15.
Mirror. A. Levaggi. Des. 83,328; Feb. 17.
Mirror. A. Marchand. Des. 84,426; June 16.
Mirror. H. G. Schrader. 1,832,248; Nov. 17.
Mirror. G. Shulman and M. Alkan. 1,792,127; Feb. 10.
Mirror. W. D. Teague. Des. 85,790; Dec. 15.
Mirror. R. J. Ward. 1,817,401; Aug. 4.
Mirror and framing the same. S. Hammer. 1,812,403; June 30.
Mirror and making it, Ornamental. G. F. and W. H. Colbert. 1,788,562; Jan. 13.
Mirror and parking light for automobiles, Combined rear view. G. Moore. 1,814,728; July 14.
Mirror and picture mounting, Panel. J. N. Le Jeune. 1,809,786; June 9.
Mirror and pouch, Combined purse. C. Kammerer. Des. 85,242; Sept. 29.
Mirror attaching means. S. Hammer. 1,835,042; Dec. 8.
Mirror attachment for hand bags. L. Krupp. 1,793,327; Feb. 17.
Mirror, Automobile. H. C. Paulson. 1,810,435; June 16.
Mirror, Automobile. A. W. Rosen. 1,816,700; July 28.
Mirror, Book. S. Yoshioka. 1,804,487; May 12.
Mirror bracket. R. D. Horton. 1,828,804; Oct. 27.
Mirror bracket, Rear-view-. J. C. Lehmann. 1,795,871; Mar. 10.
Mirror bracket, Rear-vision-. F. Sauer. 1,794,207; Feb. 24.
Mirror clock combination. S. C. Cook. Des. 85,163; Sept. 22.
Mirror displaying device. J. and H. Giesecke. 1,830,510; Nov. 3.
Mirror, Duplex rear view. H. E. Wetherbee. 1,808,740; June 2.
Mirror, Fender. E. C. Horton. 1,811,823; June 23.
Mirror for automobile doors, Hinged-. F. Mariani. Des. 84,252; May 26.
Mirror for automobiles, Rear-view-. I. Florman. 1,796,093; Mar. 10.
Mirror for automobiles, Reversible nonglaring rear-vision. J. Wilczynski. 1,825,687; Oct. 6.
Mirror for retinoscopes. J. R. Buelow. 1,817,734; Aug. 4.
Mirror frame construction. H. P. Zoerner. 1,815,940; July 28.
Mirror, Hand. J. Zappulla. Des. 84,559; June 30.
Mirror, Illuminated. A. Freer. 1,839,146; Dec. 29.
Mirror mitering machine. G. Simonel and W. H. Johnson, 1,812,415; June 30.
Mirror or like article, Hand. H. M. Ballou and C. A. Joslin. Des. 83,785; Mar. 31.
Mirror, Rear-view. P. Sauer. 1,836,878; Dec. 15.
Mirror setting. J. A. Hoegger. 1,813,162; July 7.
Mirror stereoscope, Folding. L. T. Eliel. 1,816,214; July 28.
Mirror, Traffic. L. Van Gelder. 1,837,085; Dec. 15.
Mirrors, Making ornamental. G. F. and W. H. Colbert. 1,802,168; Apr. 21.
Mirrors, pictures, and the like, Frame for. J. J. Sheehan. 1,788,209; Jan. 6.
Mirrorscope for vehicles. D. M. Winans. 1,792,671; Feb. 17.
Missile projecting device. P. F. Kahler and S. S. Wicker. 1,809,708; June 9.
Missile projecting device. P. F. Kahler and S. S. Wicker. 1,816,679; July 28.
Miter box. J. C. Running. 1,808,612; June 2.
Miter box. E. K. Spyker. 1,801,372; Apr. 21.
Miter-cut finder. W. Murray. 1,791,221; Feb. 3.
Miter square. H. Hartwell. 1,806,396; May 19.
Mitering gauge. W. O. Crossley. 1,804,248; May 5.
Mitt, Base ball. E. W. Till. 1,819,048; Aug. 18.
Mitt, Elbow. A. Horwitz. 1,796,869; Mar. 17.
Mitten. W. E. Culver. 1,831,481; Nov. 10.
Mixed materials, Process of and apparatus for separating. T. Fraser. 1,801,195; Apr. 14.
Mixer: *See*—

Air mixer.	Fluid mixer.
Batch mixer.	Food mixer.
Beverage mixer.	Fuel mixer.
Catalytic mixer.	Gypsum mixer.
Concrete mixer.	Hot metal mixer.
Dough mixer.	Molasses-feed mixer.
Dressing mixer.	Mortar mixer.
Drink mixer.	Safety mixer.
Electric mixer.	Truck mixer.
Feed mixer.	Water mixer.
Fertilizer disk mixer.	

Mixer. K. Adams. 1,820,171; Aug. 25.
Mixer. L. C. Burgard. 1,839,082; Dec. 29.
Mixer. H. E. Hall. 1,829,089; Oct. 27.
Mixer. F. Henrard. 1,806,684; May 26.
Mixer. A. Moyer. 1,796,659; Mar. 17.
Mixer. E. Newnham. 1,790,242; Jan. 27.
Mixer. E. B. Rose. 1,829,812; Nov. 3.
Mixer. A. J. Sackett. 1,812,450; June 30.
Mixer and distributor for pneumatic transported pulverized material. J. E. Kennedy. 1,825,668; Oct. 6.
Mixer and drive, Adjustable. H. F. E. Gamm. 1,823,443; Sept. 15.
Mixer and feed. Fuel. W. A. Danielson. 1,812,775; June 30.
Mixing and forming device. W. W. Helle. 1,836,026; Dec. 15.
Mixer and whipper, Food. S. C. Hommel. 1,793,934; Feb. 24.
Mixer-control apparatus, Proportional-. G. W. McKee. 1,788,925; Jan. 13.
Mixer for welding torches. G. L. Hammon. 1,818,949; Aug. 11.

Mixer head. A. R. Haysel. 1,816,528; July 28.
Mixing and blending system. J. H. Morrow. 1,812,604; June 30.
Mixing and heat interchange apparatus. H. S. Beers. 1,810,637; June 16.
Mixing apparatus. H. S. Beers. 1,816,562; July 28.
Mixing apparatus. W. G. Burns and A. D. Kirkland. 1,825,261; Sept. 29.
Mixing apparatus. A. C. Gilbert. 1,811,499; June 23.
Mixing apparatus. G. W. Hopkins. 1,794,769; Mar. 3.
Mixing device. J. A. Gird. 1,807,736; June 2.
Mixing device. J. Hanley. 1,821,468; Sept. 1.
Mixing device. H. G. Johannes. 1,816,046; July 28.
Mixing device. F. Pokorny. 1,795,036; Mar. 3.
Mixing device. J. J. Turner and C. Absmeier. 1,813,828; July 7.
Mixing device, Charge-. A. Defrance and P. Versille. 1,790,854; Feb. 3.
Mixing device for gas burners and the like. M. J. Roberts. 1,809,425; June 9.
Mixing, dissolving, or dispersing apparatus. G. C. Bakewell. 1,790,257; Jan. 27.
Mixing, dissolving, or dispersing apparatus. K. S. Valentine. 1,804,966; May 12.
Mixing machine. W. F. Dehuff. Re18,096; June 9.
Mixing machine. W. F. Dehuff. 1,792,363; Feb. 10.
Mixing machine. F. Johnson. 1,811,719; June 23.
Mixing machine. E. P. Larsh. 1,790,928; Feb. 3.
Mixing machine. H. Read. 1,823,571; Sept. 15.
Mixing machine. P. G. Rudin. 1,804,707; May 12.
Mixing machine, Domestic. O. Cammann, jr. 1,824,328; Sept. 22.
Mixing machine for pastry. C. L. Ackerman. 1,806,139; May 19.
Mixing machine or the like. F. H. Banbury. 1,836,355; Dec. 15.
Mixing machine, Rotary. C. Forville. 1,812,146; June 30.
Mixture of mutually insoluble substances, Producing an intimate. M. Polanyi and S. Von Bogdandy. 1,825,125; Sept. 29.
Mobile machine. C. E. Davis. 1,800,379; Apr. 14.
Moccasin, Collapsible house. P. S. Hervey. 1,817,623; Aug. 4.
Model, Dentist's. W. Köhler. 1,822,043; Sept. 8.
Model for geometry instruction. J. Guyer. 1,810,421; June 16.
Models for artificial dentures, Method of and apparatus for preparing. A. B. Smith. 1,830,248; Nov. 3.
Mobile reforming plant. L. S. Wilbur. 1,828,382; Oct. 20.
Modulating device for electric telegraph systems. J. C. Burkholder. 1,836,441; Dec. 15.
Modulating system. C. A. Culver. 1,790,576; Jan. 27.
Modulating system and method. H. E. Overacker. 1,800,471; Apr. 14.
Modulating system and method. R. B. Stewart. 1,831,516; Nov. 10.
Modulation system. F. Conrad. 1,799,974; Apr. 7.
Modulation system. M. Osnos. 1,792,756; Feb. 17.
Modulation system, Multiple. L. Espenschied. 1,799,159; Apr. 7.
Modulator and system of modulation. F. B. Llewellyn. 1,802,118; Apr. 21.
Modulator, Mechanically self-excited piezo-electric stabilizing. A. McL. Nicolson. 1,796,116; Mar. 10.
Moisture and adding acid to reactivated clay, Restoring. W. S. Baylis. 1,823,230; Sept. 15.
Moisture content, Determining. S. C. Bond. 1,825,896; Oct. 6.
Moisture content of paper or the like, Apparatus for controlling. A. Allen and J. G. Callan. 1,805,474; May 19.
Moisture content of substances, Process and apparatus for determining the. T. E. Heppenstall. 1,826,247; Oct. 6.
Moisture from compressed air, Removal of. J. E. Swendeman. 1,828,626; Oct. 20.
Moistureproofing composition. W. H. Charch and K. E. Prindle. 1,826,696; Oct. 6.
Moistener. H. Hellweg. 1,802,602; Apr. 28.
Moistener, Counter balance. W. A. Uttz, sr. 1,816,553; July 28.
Moistener, Surface. E. Heineke. 1,839,098; Dec. 29.
Moistening device. E. A. De Wolf. 1,838,538; Dec. 29.
Moistening device. T. C. Waugh. 1,814,776; July 14.
Molasses-feed mixer. D. E. Skirvin. 1,788,344; Jan. 6.
Molasses feeder, Cold. H. J. Shelton. 1,829,066; Oct. 27.
Mold: *See*—
Abutment mold.
Bonding mold.
Bread mold.
Brick mold.
Car wheel mold.
Casting mold.
Cigarette mold.
Cluster mold.
Confection mold.
Fireproofing mold.
Foot impression mold.
Hat shaping and pressing mold.
Ingot mold.
Knockdown mold.
Lip-stick mold.
Multiple freezing mold.
Permanent mold.
Printing plate mold.
Receptacle mold.
Rotor mold.
Slug casting mold.
Stereotype mold.
Type casting mold.
Mold. M. B. Barnes. 1,817,339; Aug. 4.
Mold. A. T. Bateman and A. Irvine. 1,805,200; May 12.
Mold. E. G. Fahlman. 1,803,299; Apr. 28.
Mold. E. G. Fahlman. 1,803,301; Apr. 28.
Mold. L. G. Firth. 1,819,365; Aug. 18.
Mold. E. G. Grundstrom. 1,814,797; July 14.
Mold. I. Q. Gurnee. 1,816,011; July 28.
Mold. G. R. Harrild. 1,794,290; Feb. 24.
Mold. J. C. Miller. 1,817,391; Aug. 4.
Mold. I. J. Remark. 1,830,676; Nov. 3.
Mold. W. B. Robe. 1,834,290; Dec. 1.
Mold and its method of construction for paper-making machines. J. S. Little. 1,788,531; Jan. 13.
Mold and making same, Ingot. J. E. Perry. 1,828,200; Oct. 20.
Mold and manufacturing the same. M. E. Gates. 1,788,101; Jan. 6.
Mold and preparing same, Coated. N. J. Quinn. 1,794,536; Mar. 3.
Mold and press, Hydraulic. H. E. Hammer. 1,832,020; Nov. 17.
Mold, Baking unit of a waffle. K. H. Ober. Des. 84,432; June 16.
Mold breaking and transporting device. M. C. Nelson. 1,797,176; Mar. 17.
Mold filling apparatus. J. R. Gammeter. 1,811,430; June 23.
Mold for aluminothermic welding. W. Brewitt. 1,793,047; Feb. 17.
Mold for alumino-thermic welding of rails. J. H. Deppeler. 1,813,032; July 7.
Mold for automobile tires, Expansible vulcanizing. M. Reid. 1,795,680; Mar. 10.
Mold for battery-post connecters. E. L. Benson. 1,798,519; Mar. 31.
Mold for casting copper. W. F. Eppensteiner. 1,830,227; Nov. 3.
Mold for casting refractories. F. W. Schroeder. 1,829,114; Oct. 27.
Mold for casting stereotype printing plates. L. Willborg. 1,836,099; Dec. 15.
Mold for forming grooved concrete blocks. W. H. Dance. 1,830,225; Nov. 3.
Mold for forming molded articles. J. Anoskopay. 1,814,276; July 14.
Mold for founding. G. Furman. 1,837,320; Dec. 22.
Mold for freezing liquids. R. M. Storer. 1,824,309; Sept. 22.
Mold for frozen substances. R. M. Storer. 1,824,308; Sept. 22.
Mold for glass cylinders. W. G. Twyman. 1,817,046; Aug. 4.
Mold for grave curbings. J. Muckey. 1,795,879; Mar. 10.
Mold for ice cream cones. A. A. Holland. 1,802,017; Apr. 21.
Mold for inner tubes and the like, Vulcanizing. P. De Mattia. 1,812,821; June 30.
Mold for molding central triple reflectors. V. L. Oestnaes. 1,822,451; Sept. 8.
Mold for plastic substances, for instance, chocolate. J. J. Jensen. 1,806,017; May 19.
Mold for septic tanks. E. J. Hall. 1,798,670; Mar. 31.
Mold for shaping hollow glassware and controlling temperature thereof. W. T. Barker, jr. 1,798,136; Mar. 31.
Mold for toilet seats. G. Johnson. 1,805,871; May 19.
Mold handling apparatus. J. L. Schuldt. 1,801,574; Apr. 21.
Mold jacket. J. F. Hines. 1,834,618; Dec. 1.
Mold machine. E. F. Oyster. 1,804,181; May 5.
Mold mechanism, Rotary. G. Von Webern. 1,832,066; Nov. 17.
Mold, Permanent. E. G. Fahlman. 1,803,300; Apr. 28.
Mold serving device. R. W. Brown. 1,811,256; June 23.
Mold wall, Braced. F. J. Gremel 1,823,195; Sept. 15.
Molded article. I. Simon. 1,816,200; July 18.
Molded article. L. E. Wood. 1,802,101; Apr. 21.
Molded articles, Making. H. Bucholz. 1,810,126; June 16.
Molded articles, Manufacturing. R. Weitzel. 1,822,762; Sept. 8.
Molded composition. H. M. Spencer. 1,821,120; Sept. 1.
Molded product and forming the same. L. T. Richardson and E. M. Schmiel. 1,793,830; Feb. 24.
Molded steering wheel. H. D. Geyer. 1,825,392; Sept. 29.
Molder's flask. W. A. and K. L. Moore. 1,796,158; Mar. 10.
Molder's flask. C. O. Wood. 1,808,093; June 2.
Molding. W. C. Ames. 1,798,245; Mar. 31.
Molding. V. J. Davis. 1,804,400; May 12.
Molding. R. Jonkergouw and J. Demongeot. 1,796,203; Mar. 10.
Molding and apparatus therefor. L. Bonsieur. 1,834,763; Dec. 1.
Molding and apparatus therefor. J. G. Johnson. 1,795,862; Mar. 10.
Molding apparatus. A. T. Bateman and A. Irvine. 1,818,667; Aug. 11.
Molding apparatus. M. K. Douglas. 1,802,241; Apr. 21.
Molding apparatus. E. O. Haskins. 1,794,334; Feb. 24.
Molding apparatus. C. Jackson. 1,787,529; Jan. 6.
Molding apparatus. H. J. McKay, P. J. Carlsen, A. O. Fuhrman, and E. Unzel. 1,826,945; Oct. 13.
Molding apparatus. S. McMullan. 1,796,853; Mar. 17.
Molding apparatus. W. B. Scott. 1,896,000; May 19.
Molding apparatus. J. T. Stoney. 1,814,416; July 14.
Molding apparatus. J. J. Vincenzi. 1,807,053; May 26.
Molding apparatus and equipment for forming the same. V. J. Davis. 1,804,401; May 12.

Molding apparatus and molding articles. H. L. Bradley. 1,793,435; Feb. 17.
Molding apparatus, Centrifugal. W. H. Beatty. 1,825,302; Sept. 29.
Molding apparatus, Sheet. J. L. Drake. 1,805,237; May 12.
Molding articles. T. J. Flack. 1,806,451; May 19.
Molding assembly. A. P. Ball. 1,815,696; July 21.
Molding composition. J. McGavack. 1,831,538; Nov. 10.
Molding composition. K. Ripper. 1,812,374; June 30.
Molding, Corner. L. Kuehn. 1,813,173; July 7.
Molding, Cowl. A. J. De Sana. 1,811,262; June 23.
Molding die. E. W. Dunbar. 1,813,150; July 7.
Molding, Drip and trim. J. B. Zimmers. 1,793,297; Feb. 17.
Molding, Garnish. H. G. Kellogg. 1,815,715; July 21.
Molding, Hood hinge. J. Boca. 1,830,733; Nov. 3.
Molding in sand, Apparatus for. W. A. Miles. 1,821,270; Sept. 1.
Molding machine. L. G. Davis. 1,790,408; Jan. 27.
Molding machine. N. Lesser and M. Sklovsky. 1,803,117; Apr. 28.
Molding machine. E. I. Noxon. 1,803,344; May 5.
Molding machine. W. R. Poetsch. 1,799,529; Apr. 7.
Molding machine. R. F. Ringle. 1,793,012; Feb. 17.
Molding machine. R. F. Ringle. 1,803,406; May 5.
Molding machine. F. Rouse. 1,803,408; May 5.
Molding machine. E. S. Savage. 1,809,358; June 9.
Molding machine. H. Schantz. 1,826,577; Oct. 6.
Molding machine. F. A. Scruggs. 1,805,018; May 12.
Molding machine. A. W. Sizer. 1,804,283; May 5.
Molding machine. W. E. Skidmore. 1,794,556; Mar. 3.
Molding machine. E. Waldman. 1,787,605; Jan. 6.
Molding machine and operating the same. J. B. Blewett. 1,834,119; Dec. 1.
Molding machine for concrete steps. K. A. Peters. 1,792,549; Feb. 17.
Molding machine, Plastic. G. K. Bainbridge. 1,803,991; May 5.
Molding machine, Portable. E. O. Beardsley and W. F. Piper. 1,815,999–000; July 28.
Molding material and mold. C. H. M. Elmquist. 1,827,426; Oct. 13.
Molding materials. L. T. Frederick. 1,807,155; May 26.
Molding method and apparatus therefor. H. E. McCrery and A. E. Jesser. 1,802,823; Apr. 28.
Molding of long objects by centrifugal treatment, Apparatus for the. P. Ferrier. 1,828,037; Oct. 20.
Molding press. G. G. Heghinian. 1,807,661; June 2.
Molding press. W. Ratzer. 1,801,613; Apr. 21.
Molding press. R. L. Seabury. 1,801,575; Apr. 21.
Molding press. P. E. Welton. 1,807,055; May 26.
Molding, Trim. O. L. Herron. 1,823,541; Sept. 15.
Molding, Two part finishing. F. D. Hardesty. 1,804,831; May 12.
Molds, Adapter for. H. A. Clark. 1,811,258; June 23.
Molds and cores, Protecting sand. E. A. Balsley and L. I. Yeomans. 1,805,650; May 19.
Molds, Apparatus for warming ice cream. E. Behringer and G. W. Cocks. 1,834,760; Dec. 1.
Molds, Feeder for ingot. B. H. Howard and E. J. Turner. 1,800,073; Apr. 7.
Molds for casting metal, Preparing metallic. F. S. Carlile. 1,811,610; June 23.
Molds for inlays and crowns, Making. F. S. Meyer. 1,796,470; Mar. 17.
Molds from pipes, Apparatus for stripping. R. M. Weir. 1,821,128; Sept. 1.
Molds, Making. H. T. Kraft. 1,813,880; July 7.
Molds, Method and apparatus for filling. J. W. Brundage. 1,811,423; June 23.
Molds or other refractory articles, Method of and apparatus for forming graphite. H. E. White. 1,823,180; Sept. 15.
Mole or gopher trap. W. I. Raymond. 1,830,675; Nov. 3.
Molten materials, Treating. W. O. Snelling. 1,836,196; Dec. 15.
Molten products from pyramidone and soporifics and making same, Colorless. G. Frerichs. 1,798,374; Mar. 31.
Molybdenum, Recovery of. C. V. Iredell. 1,838,767; Dec. 29.
Momentum actuated brake. A. B. Cadman and A. C. Warner. 1,812,683; June 30.
Money counting machine. G. Bock. 1,802,044; Apr. 21.
Monitor-system, Automatic. W. A. Kosken. 1,834,405; Dec. 1.
Monkey wrench. W. V. Van Etten. 1,807,678; June 2.
Monoazodyestuffs. W. Hentrich, R. Knoche and E. Tietze. 1,828,737; Oct. 27.
Monoazodyestuffs. W. Neelmeier and E. Glietenberg. 1,836,182; Dec. 15.
Monoazo-dyestuffs, Manufacture of. B. Richard. 1,824,686; Sept. 22.
Monoazodyestuffs, New. W. Hentrich and R. Knoche. 1,823,939; Sept. 22.
Monoazodyestuffs, New. W. Hentrich, R. Knoche and F. Ballauf. 1,835,393; Dec. 8.
Monobrom derivative of fluorescein. W. L. Vogel. 1,812,669; June 30.
Mononitroanthanthrones, Production of. M. A. Kunz, K. Koeberle, and W. Zerweck. 1,822,045; Sept. 8.
Monophosphates of alkali metals and alkaline earths, Manufacturing. I. Heckenbleikner. 1,790,502; Jan. 27.
Monoplane, Butterfly. H. Adkins. 1,795,990; Mar. 10.
Monoplanes with thick wings, Structure of. F. Mazzini. 1,790,715; Feb. 3.
Monorail system. P. J. Koster and A. A. Koors. 1,809,448; June 9.
Monoxanthogens, Manufacture of. G. S. Whitby. 1,796,972; Mar. 17.
Monument. C. A. Thompson. Des. 84,768; July 28.
Monument, Grave-marking. J. Mathis. 1,797,292; Mar. 24.
Mooring apparatus for aircraft. H. G. Gros. 1,816,010; July 28.
Mooring apparatus, Mobile. J. A. Garcia. 1,812,237; June 30.
Mooring for airships. F. H. Clergue. 1,799,677; Apr. 7.
Mop. J. G. Butler. 1,817,876; Aug. 4.
Mop. O. A. Flagstad. 1,802,889; Apr. 28.
Mop. A. Harder. 1,827,578; Oct. 13.
Mop. H. Hertzberg. 1,798,418; Mar. 31.
Mop. H. Hertzberg. 1,827,523; Oct. 13.
Mop. J. C. Hunter. 1,795,651; Mar. 10.
Mop. A. Schempp. 1,821,481; Sept. 1.
Mop, Abrasive. M. L. Weiss. 1,787,965; Jan. 6.
Mop and wringer, Combined. A. C. Kootz. 1,802,948–9; Apr. 28.
Mop, Armored. H. Hertzberg. 1,836,028; Dec. 15.
Mop attachment for brooms. F. A. Henderson. 1,804,504; May 12.
Mop cleaning device. A. S. Powell. 1,804,229; May 5.
Mop-cleaning device. W. H. Weil. 1,795,416; Mar. 10.
Mop construction. A. C. Kootz. 1,805,490; May 19.
Mop, Dry. H. Hertzberg. 1,816,529; July 28.
Mop, Fountain. T. Yeater. 1,834,510; Dec. 1.
Mop head. H. J. Lorang. 1,806,402; May 19.
Mop head. C. Spino. 1,811,336; June 23.
Mop heads, Method of and machine for making one-piece. W. A. Smith. 1,799,483; Apr. 7.
Mop, Reversible. H. Hertzberg. 1,798,419; Mar. 31.
Mop, Self-wringing. C. R. Beddow. 1,800,046; Apr. 7.
Mop shaking device. J. B. Hamblen. 1,818,948; Aug. 11.
Mop with wringer, Squeegee. H. Hertzberg. 1,816,530; July 28.
Mop wringer. L. Chase. 1,823,486; Sept. 15.
Mop wringer. J. H. Dwork. 1,808,643; June 2.
Mop wringer. W. S. Finnell. 1,787,441; Jan. 6.
Mop wringer. O. P. Greenstreet. 1,796,754; Mar. 17.
Mop wringer. J. Pehrsson. 1,831,135; Nov. 10.
Mop wringer. C. C. Potter, jr. 1,814,527; July 14.
Mop wringer. G. Van Daam. 1,824,311; Sept. 22.
Mop wringing apparatus. P. N. Mancuso. 1,816,861; Aug. 4.
Mop wringing device. M. B. McCoy. 1,824,286; Sept. 22.
Mops, dusters, and brushes, Manufacturing flexible heads for. F. E. Bearden. 1,790,530; Jan. 27.
Mortar for dental purposes. L. Haller. 1,792,903; Feb. 17.
Mortar, Manually-supported. L. M. McBride. 1,789,530; Jan. 20.
Mortar manufacture, Apparatus for. C. P. Berg. 1,821,289; Sept. 1.
Mortar mixer. E. O. Hamren. 1,799,228; Apr. 7.
Mortar spreader. R. D. Hood. 1,828,738; Oct. 27.
Mortise bolt lock. M. Falk. 1,814,302; July 14.
Mortising machine. R. S. Brown. 1,817,910; Aug. 11.
Mortising machine. H. T. Parker. 1,837,831; Dec. 22.
Mosaic article. F. J. Rhodes. 1,838,108; Dec. 29.
Mosquito larvæ, Device for killing. R. Bennett. 1,831,476; Nov. 10.
Mote and waste cleaner. J. L. Honeycutt. 1,823,198; Sept. 15.
Moth preventive and deodorizer. E. J. Reefer. 1,834,738; Dec. 1.
Mothproofing means for pressing machines. P. N. Braun. 1,817,406; Aug. 4.
Mother of pearl, Manufacture of colored imitation. A. F. Caprio. 1,812,283–4; June 30.
Motion controlling attachment for cutting torches. J. L. Gray. 1,823,194; Sept. 15.
Motion from a rectilinearly reciprocating member to a rotatable member, Device for transmitting. O. G. Wellton. 1,812,460; June 30.
Motion into rotary motion or vice versa, Apparatus for converting reciprocating. J. F. Felies. 1,823,681; Sept. 15.
Motion into rotary motion, Transforming reciprocating. A. H. Wolfe. 1,800,584; Apr. 14.
Motion, Method and apparatus for recording series of. C. R. Blum. 1,837,944; Dec. 22.
Motion, Securing eccentric. W. Messinger. 1,812,109; June 30.
Motion simulating device. F. A. Gritt. 1,832,627; Nov. 17.
Motion, System for transmitting. W. Lühr. 1,817,753; Aug. 4.
Motion transforming mechanism. C. L. Florisson. 1,811,578; June 23.
Motion, Transmission of. G. S. Binckley. 1,827,560; Oct. 13.
Motion transmitting device, Intermittent. O. P. Haegele. 1,833,644; Nov. 24.
Motion-transmitting mechanism. G. C. Carhart. 1,787,720; Jan. 6.
Motion transmitting mechanism. E. Davis. 1,820,051; Aug. 25.

Motion transmitting mechanism and controls for pressing machines, Electric. E. Davis. 1,823,488; Sept. 15.
Motive device, Electrically operated. P. S. Tice. 1,837,504; Dec. 22.
Motor: *See*—
Air-cooled motor.
Air motor.
Clock motor.
Current motor.
Current relay motor.
Driving motor.
Electric door motor.
Electric motor.
Electric phonograph motor.
Electrical motor.
Electrical starting motor.
Fluid-conductor motor.
Fluid-current motor.
Fluid motor.
Fluid pressure motor.
Foot lever motor.
Gas motor.
Gasolene motor.
Geared motor.
Hot-air motor.
Hydrocarbon motor.
Induction motor.
Internal-combustion motor.
Loud-speaker motor.
Magnetic motor.
Marine motor.
Oil motor.
Oscillating motor.
Outboard motor.
Port motor.
Portable motor.
Pressure motor.
Radial motor.
Railway booster motor.
Reciprocating motor.
Rotary motor.
Self-starting motor.
Semisleeve valve motor.
Sleeve valve motor.
Spring motor.
Squirrel cage motor.
Suction motor.
Synchronous motor.
Tide and current motor.
Tide and wave motor.
Toy motor.
Two-stroke motor.
Vacuum motor.
Valve motor.
Water motor.
Wave motor.
Wind motor.
Wind-power motor.
Windshield cleaner motor.
Motor. F. S. Barks. 1,801,259; Apr. 21.
Motor. A. Chessin. 1,802,108; Apr. 21.
Motor. D. David. 1,831,097; Nov. 10.
Motor. C. Drevet. 1,796,008; Mar. 10.
Motor. J. B. Hawthorn and S. L. Levar. 1,828,657; Oct. 20.
Motor. M. P. Holmes. 1,836,249; Dec. 15.
Motor. F. C. Holtz. Re18,145; Aug. 4.
Motor. H. Z. Leffel. 1,825,531; Sept. 29.
Motor. C. G. Peterson. 1,788,324; Jan. 6.
Motor. E. G. Pettit. 1,797,156; Mar. 17.
Motor actuated operating mechanism. C. H. Reynolds. 1,802,534; Apr. 28.
Motor and friction clutch therefor, Electric. W. A. Chryst. 1,826,054; Oct. 6.
Motor and mounting, Aircraft. C. L. Brown. 1,804,311–12; May 5.
Motor and power-transmission apparatus. J. R. Wormley. 1,799,772; Apr. 7.
Motor and starting device, Synchronous. H. E. Warren. 1,835,918; Dec. 8.
Motor, Auxiliary manual means for actuating hydraulic. H. Ernst and L. F. Nenninger. 1,832,694; Nov. 17.
Motor boat layout. F. O. Fernstrum. 1,810,953; June 23.
Motor brake. A. W. Shoblom. 1,797,105; Mar. 17.
Motor cleaning means. E. G. Wooley. 1,820,552; Aug. 25.
Motor control. I. F. Baker. 1,817,797; Aug. 4.
Motor control. H. R. Eilertsen. 1,795,646; Mar. 10.
Motor control. L. C. Hardesty. 1,834,777; Dec. 1.
Motor control. F. H. Howard. 1,828,113; Oct. 20.
Motor control. B. W. Jones. 1,829,658; Oct. 27.
Motor control. O. F. Shepard. 1,810,441; June 16.
Motor control and drive. F. E. and W. C. Pfeiffer. 1,825,418; Sept. 29.
Motor control apparatus. R. M. Gilson. 1,833,521; Nov. 24.
Motor control mechanism. H. D. Colman. 1,815,398; July 21.
Motor control, Printing telegraph. J. C. Fricke. 1,835,486; Dec. 8.
Motor control system. J. Eaton. 1,820,786; Aug. 25.
Motor control system. R. F. Emerson. 1,817,810; Aug. 4.
Motor control system. L. C. Hardesty. 1,814,799; July 14.
Motor-control system. J. R. Johnson. 1,796,332; Mar. 17.
Motor control system. G. E. King. 1,805,248; May 12.
Motor control system. D. L. Lindquist and J. D. Lewis. 1,838,773; Dec. 29.
Motor control system. H. V. Nye. 1,804,180; May 5.
Motor-control system. E. J. Ondoli. 1,795,095; Mar. 3.
Motor-control system. L. M. Perkins. 1,794,980; Mar. 3.
Motor control system. E. F. Sipher. 1,835,533; Dec. 8.
Motor control system. P. Weiske and K. Rupprecht. 1,828,583; Oct. 20.
Motor control system. H. A. Winne. 1,812,818; June 30.
Motor control system for elevator installations. E. O. Anderson. 1,814,501; July 14.
Motor control system, Induction. F. Angerstein. 1,807,143; May 26.
Motor control, System of. L. C. Hardesty. 1,828,564; Oct. 20.
Motor control, System of. C. F. Lee. 1,807,418; May 26.
Motor control, System of. C. Schiebeler. 1,796,218; Mar. 10.
Motor control, System of. H. L. Smith. 1,790,681; Feb. 3.
Motor control, System of. G. B. Starie. 1,814,865; July 14.
Motor control, System of. M. A. Whiting and E. D. Harrington. 1,797,970; Mar. 24.
Motor control, System of. E. R. Wolfert. 1,835,550; Dec. 8.
Motor controller. T. E. Barnum. 1,789,063; Jan. 13.
Motor controller. W. E. Date. 1,821,091; Sept. 1.
Motor controller. E. F. Kieckhefer. 1,805,699; May 19.
Motor controller. C. W. Kuhn. 1,805,491; May 19.
Motor controller. C. W. Kuhn. 1,834,127; Dec. 1.
Motor controller. E. H. Laabs. 1,837,224; Dec. 22.
Motor controller. E. W. Seeger. 1,789,085; Jan. 13.
Motor controller. E. W. Seeger. 1,794,736; Mar. 3.
Motor controller, Electric. R. G. Lockett. 1,819,823; Aug. 18.
Motor cycle front fork and front fork assembly. W. S. Harley. 1,834,308; Dec. 1.
Motor device. V. Alcalá. 1,814,779; July 14.
Motor drive. C. C. Hansen. 1,832,630; Nov. 17.
Motor drive control system, Winder. S. A. Staege. 1,838,966; Dec. 29.
Motor-drive means for clocks, Self-starting synchronized. F. Toewe. 1,788,812; Jan. 13.
Motor driven operator. H. D. Colman. 1,815,397; July 21.
Motor electric generating and storage system, Air. F. L. Hunt. 1,806,628; May 26.
Motor for boats, Outboard. A. J. Merickle. 1,834,068; Dec. 1.
Motor for boats, Outboard. P. E. Phillips. 1,789,415; Jan. 20.
Motor for driving clocks and the like, Synchronous. F. Toewe. 1,788,813; Jan. 13.
Motor for electric safety razors, Oscillatory. S. W. Moon. 1,834,103; Dec. 1.
Motor for fuel feeding systems, Electric. P. S. Tice. 1,837,506; Dec. 22.
Motor for heat regulators. A. A. and C. H. Dicke. 1,818,698; Aug. 11.
Motor for internal combustion engines, Starting. D. L. Lillard and W. R. McDaniel. 1,837,974; Dec. 22.
Motor for oil-well pumps, Pneumatic. E. C. Ekstromer. 1,790,203; Jan. 27.
Motor frame construction. E. E. Hollander. 1,822,096; Sept. 8.
Motor Fuel, Method and apparatus for treating. R. M. Lynn and W. M. Malouf. 1,806,356; May 19.
Motor fuel treating device. R. M. Lynn and W. M. Malouf. 1,806,404; May 19.
Motor generator, Electric. E. W. Weathers. 1,805,935; May 19.
Motor generator locomotive control system. N. W. Storer. 1,821,364; Sept. 1.
Motor heat indicator. H. H. Boyce. 1,823,344; Sept. 15.
Motor installation, Hydraulic. H. Pieper. 1,810,254; June 16.
Motor lock. T. F. Cullinan. 1,832,362; Nov. 17.
Motor mount and carrier. F. W. Glatt. 1,801,735; Apr. 21.
Motor-operated device. L. W. Eggleston and E. J. Dillman. 1,793,226; Feb. 17.
Motor operated shears. R. R. Gonsett. 1,806,555; May 19.
Motor protection device. G. D. Bower. 1,809,827; June 16.
Motor releasing system for aeroplanes. J. A. Gehrung. 1,836,319; Dec. 15.
Motor speed controller, Electric. C. E. Carpenter. 1,807,280; May 26.
Motor starting and control system. H. A. Maxfield. 1,807,997; June 2.
Motor starting system. M. E. Reagan. 1,821,358; Sept. 1.
Motor support. F. T. Irgens. 1,802,652; Apr. 28.
Motor support, Electric-. J. D. Nies. 1,795,313; Mar. 10.
Motor supporting stand. H. C. Spahn. 1,834,294; Dec. 1.
Motor surf board. F. W. Sterling. 1,814,772; July 14.
Motor suspension, Railway. C. Bethel. 1,813,140; July 7.
Motor switch, Starting. L. S. Sheldrick. 1,830,914; Nov. 10.
Motor timing and correcting device. F. E. Dietrich. 1,826,997; Oct. 13.
Motor unit casing or similar article, Electric-. A. F. Dormeyer. Des. 83,035; Jan. 13.
Motor unit, Geared electric. W. R. Uggla. 1,817,216; Aug. 4.
Motor-vehicle bodies and the like, Suspension system for. M. R. Hull. 1,797,146; Mar. 17.
Motor vehicles and the like, Device for preventing side slip in. J. Quaas. 1,821,816; Sept. 1.
Motors, Combustion chamber for. C. H. Vyse. 1,817,280; Aug. 4.
Motors, Control system for electric. J. H. Hall. 1,809,847; June 16.
Motors, Controlling system for polyphase alternating current. F. Punga. 1,808,435; June 2.
Motors, Controlling vibratory. C. S. Weyandt. 1,817,403; Aug. 4.
Motors, Device for regulating the size of the combustion chamber in combustion. O. S. Ruud. 1,816,402; July 28.
Motors, Fuel controlling means for internal combustion. J. F. Bjorkgren. 1,802,043; Apr. 21.
Motors, Gasoline economizer for. J. G. Myer. 1,798,027; Mar. 24.
Motors, Indicating the thermal conditions of vehicle. W. H. Muzzy. 1,839,116; Dec. 29.
Motors, Method of and apparatus for operating electric. C. S. Weyandt. 1,819,008; Aug. 18.
Motors, Method of and apparatus for starting alternating current. E. L. Hough. 1,820,803; Aug. 25.
Motors or for Diesel engines, Injecting means for internal combustion. C. Thomas. 1,826,535; Oct. 6.

Motors, Overwinding preventer for spring. J. P. Zaidan. 1,803,929; May 5.
Motors, Protecting and heat radiating means for electric. G. R. Anderson. 1,794,663; Mar. 3.
Motors, Rocker-ring structure for railway. P. Bollinger. 1,823,313; Sept. 15.
Motors, Water-cooling system for outboard. L. J. Johnson. Re18,120; July 7.
Motors, Winding means for spring. A. S. Howell. 1,831,070; Nov. 10.
Moulding machine. H. B. Swan. 1,820,405; Aug. 25.
Mount, Flyer. F. Bauman. 1,795,160; Mar. 3.
Mount for guns. B. F. Baker. 1,800,276; Apr. 14.
Mount for guns. S. G. Green. 1,790,212; Jan. 27.
Mount for negatives. I. S. Berger. 1,797,750; Mar. 24.
Mount for objectives, Removable. O. Wittel. 1,795,325; Mar. 10.
Mount for range finder or other attachment. M. L. Meletio. 1,828,541; Oct. 20.
Mount, Ignition coil. O. M. Nacker. 1,832,848; Nov. 24.
Mount, Picture. B. Z. Hausner. 1,832,704; Nov. 17.
Mount, Tooth. S. J. Krivig. 1,833,219; Nov. 24.
Mounting, Adjustable candle socket. H. Hubbell, jr. 1,824,955; Sept. 29.
Mounting, Airplane gun. C. W. Chester. 1,791,795; Feb. 10.
Mounting and adjusting means, Airplane motor and propeller. J. F. Connor. 1,799,005; Mar. 31.
Mounting and adjustment for motion picture projection machines, Speedometer. A. Dina. 1,837,705; Dec. 22.
Mounting and adjustment, Magazine. L. H. Larsen and C. W. Nixon. 1,835,605; Dec. 8.
Mounting and clamp, Lamp. J. D. Durant. 1,820,651; Aug. 25.
Mounting and cooling construction for driving units of locomotives. W. B. Jupp and R. G. Anderson. 1,803,853; May 5.
Mounting and drive, Timer. F. T. Irgens and P. C. Baldus. 1,803,618; May 5.
Mounting and support for rear view mirrors. L. G. Winkler and B. F. Kelly. 1,823,636; Sept. 15.
Mounting, Automobile lamp. C. T. Mason. 1,835,607; Dec. 8.
Mounting, Ball bearing. W. Timson. 1,810,093; June 16.
Mounting, Bearing. W. H. Maxwell. 1,828,118; Oct. 20.
Mounting, Bearing or carrier. J. Swinscoe, H. A. Johnson, and C. E. Watson. 1,797,736; Mar. 24.
Mounting, Blackboard-frame. A. M. Masters. 1,790,549; Jan. 27.
Mounting, Body. M. Patti. 1,797,100; Mar. 17.
Mounting, Box. C. A. Johnson. 1,789,441; Jan. 20.
Mounting, Brace. A. W. Roy. 1,808,610; June 2.
Mounting bracket. W. C. Keys. 1,822,529; Sept. 8.
Mounting, Bridge member for an ophthalmic. J. D. Brock. Des. 84,395; June 16.
Mounting, Cabinet door. S. Hammer. 1,836,917; Dec. 15.
Mounting, Camera. J. C. Karnes and G. J. Kessenich. 1,824,085; Sept. 22.
Mounting, Camera. G. A. Mitchell. 1,794,726; Mar. 3.
Mounting, Card-frame. C. D. Morton. 1,792,652; Feb. 17.
Mounting, Circular cutter. H. S. Walthers. 1,802,992; Apr. 28.
Mounting, Cleat. E. A. Richardson. 1,810,577; June 16.
Mounting, Cloth roll. A. D. Gargolinski. 1,803,180; Apr. 28.
Mounting, Cloth-roll. H. M. Latham. 1,793,180; Feb. 17.
Mounting, Compass. C. H. Colvin. 1,837,158; Dec. 15.
Mounting construction for meters. W. G. Mylius. 1,806,306; May 19.
Mounting, Cultivator shovel. J. H. and H. Starr. 1,803,778; May 5.
Mounting, Cultivator tooth. B. R. Benjamin. 1,838,355; Dec. 29.
Mounting, Curtain. E. Zucca. 1,791,548; Feb. 10.
Mounting, Cushion. H. C. Lord. 1,810,717; June 16.
Mounting device. J. W. Cosgrove. 1,830,593; Nov. 3.
Mounting device, Corner-pocket-. A. W. Engel. 1,799,221; Apr. 7.
Mounting device for pictures. G. F. Lartz. 1,791,098; Feb. 3.
Mounting, Diaphragm. F. R. Farrow, jr. 1,831,235; Nov. 10.
Mounting, Distributor. H. Schwarze. 1,803,948; May 5.
Mounting, Door. A. I. Epton and M. W. Feldman. 1,831,850; Nov. 17.
Mounting, Drill cutter. G. E. Behnke. 1,816,204; July 28.
Mounting, Drill cutter. J. R. Dallerup. 1,820,379; Aug. 25.
Mounting, Engine. A. J. Jannson and G. W. Smith. 1,823,429; Sept. 15.
Mounting, Engine. R. K. Lee. Re18,236; Oct. 27.
Mounting, Engine. R. K. Lee. 1,788,878; Jan. 13.
Mounting, Engine. C. E. Summers and R. K. Lee. 1,829,723; Oct. 27.
Mounting, Engine. R. S. Trott. 1,834,879; Dec. 1.
Mounting, Engine. R. S. Trott. 1,834,907; Dec. 1.
Mounting, Fixture. E. G. Appleton. 1,834,758; Dec. 1.
Mounting, Flexible journal box. J. Hektner. 1,822,347; Sept. 8.
Mounting, Focusing lens. P. F. Lemke. 1,835,503; Dec. 8.
Mounting for a hand telephone, Wall. G. R. Lum. Des. 85,107; Sept. 15.
Mounting for aeroplanes and the like, Propeller. S. S. Varkas. 1,812,910; July 7.
Mounting for aircraft and radial motors in busses, Shock insulated. A. F. Masury. 1,815,442; July 21.
Mounting for antiglare devices. P. V. Snow. 1,807,760; June 2.
Mounting for automobile glare shields. A. R. Ulp. 1,808,086; June 2.
Mounting for automotive vehicles, Engine. L. E. Whittington and E. A. Tuthill. 1,829,251; Oct. 27.
Mounting for bolsters, Standard. B. F. Green. 1,814,308; July 14.
Mounting for calender knives. F. B. Pfeiffer. 1,798,806; Mar. 31.
Mounting for calf wheels or the like. H. H. Franks. 1,813,044; July 7.
Mounting for cameras, View-finding. G. A. Mitchell. 1,800,225; Apr. 14.
Mounting for car axles. E. Latshaw. 1,825,530; Sept. 29.
Mounting for car trucks, Motor. E. Latshaw. 1,804,351; May 5.
Mounting for carpet sweepers, Comb and hood. E. R. Smith. 1,823,413; Sept. 15.
Mounting for creels, Spindle. A. L. Remington and R. C. Longvall. 1,833,591; Nov. 24.
Mounting for doll eyes. S. Marcus and A. Konoff. 1,818,635; Aug. 11.
Mounting for dolls' eyes. N. Paganello. 1,789,019; Jan. 13.
Mounting for driven elements on motor shafts, Resilient. A. C. Dickson. 1,810,204; June 16.
Mounting for dual rims. J. W. Holt. 1,830,396; Nov. 3.
Mounting for electric motors and the like. G. H. Leland and E. B. George. 1,790,159; Jan. 27.
Mounting for electric switches, Terminal box. T. R. Martin. 1,817,573; Aug. 4.
Mounting for emblems or the like. C. Horix. 1,794,379; Mar. 3.
Mounting for flyer blocks. G. W. Evans. 1,823,795; Sept. 15.
Mounting for folding doors. E. J. G. Phillips. 1,824,621; Sept. 22.
Mounting for front wheel drive automobiles, Fan. C. W. Van Ranst. 1,830,494; Nov. 3.
Mounting for guns, Telescope. J. H. Redfield. 1,816,195; July 28.
Mounting for headlamps, Bulb. R. W. Johnson. 1,803,709; May 5.
Mounting for headlights, Reflector. H. J. Graham. 1,792,832; Feb. 17.
Mounting for line spacing levers. J. Phelphs. 1,831,364; Nov. 10.
Mounting for looms, Reed. V. Lindsjo. 1,833,294; Nov. 24.
Mounting for lures, Hook. S. F. Davenport. 1,809,776; June 9.
Mounting for microscopes, Objective. H. N. Ott 1,817,642; Aug. 4.
Mounting for mops and the like, Frame. H. W. Dietrich. 1,793,782; Feb. 24.
Mounting for motion picture projectors, Reel. A. F. Victor. 1,824,519; Sept. 22.
Mounting for motor vehicles, Spring. E. R. Spiegel. 1,818,105; Aug. 11.
Mounting for non-driven rolls. G. Wistrand. 1,804,909; May 12.
Mounting for oil filters. C. W. McKinley. 1,792,854; Feb. 17.
Mounting for oil gauges and the like. N. C. Simonsen. 1,800,572; Apr. 14.
Mounting for ophthalmic lenses. G. A. Squier. 1,809,494; June 9.
Mounting for outdoor advertising structures, Imprint. R. E. Kimball and J. Lewis. 1,838,685; Dec. 29.
Mounting for picker rolls, Yielding. T. O. Ott. 1,834,862; Dec. 1.
Mounting for picture projection apparatus, Adjustable. A. Dina. 1,830,596; Nov. 3.
Mounting for pipes and the like, Bracket. A. T. Kortz. Des. 84,040; Apr. 28.
Mounting for plate glass windows. A. H. Marty. 1,836,980; Dec. 15.
Mounting for portable electric power saws, Bench. A. N. Emmons. 1,836,457; Dec. 15.
Mounting for radiator shutter blades. L. B. Green. 1,824,015; Sept. 22.
Mounting for radio antennæ. H. Hollerith, jr. 1,838,679; Dec. 29.
Mounting for removable tile. M. S. Goldsmith and B. Harig. 1,824,817; Sept. 29.
Mounting for rock drills. C. C. Hansen. 1,823,446; Sept. 15.
Mounting for rock drills. G. M. Nell. 1,813,676; July 7.
Mounting for rotary miter saws. W. S. Neighbour. 1,821,113; Sept. 1.
Mounting for sheaves. D. C. Sherman. 1,796,966; Mar. 17.
Mounting for spectacles, Nose-bridge. P. H. Meyer. Des. 83,240; Feb. 3.
Mounting for temperature-responsive elements. H. Schlaich. 1,797,158; Mar. 17.
Mounting for the tooth rest of cutter grinders. W. E. Winans. 1,834,815–16; Dec. 1.
Mounting for tractors, Frame. A. S. Hughes and H. F. Gorsuch. 1,802,427; Apr. 28.

Mounting for traffic warning devices. R. T. Hurley. 1,815,844; July 21.
Mounting for vacuum tubes. G. R. Lum. 1,822,535; Sept. 8.
Mounting for veneer lathes, Roller. F. W. Milbourn. 1,833,655; Nov. 24.
Mounting, Frame. R. T. Osman. 1,834,965; Dec. 8.
Mounting, Gauge glass. K. S. M. Davidson. 1,803,842; May 5.
Mounting, Gear-control-lever. V. Haigh. 1,798,530; Mar. 31.
Mounting hickey, Fixture. R. Popp. 1,825,920; Oct. 6.
Mounting, Identification tag case. L. J. Kiger. 1,834,028; Dec. 1.
Mounting, Index file. L. R. E. Hutchings. 1,823,565; Sept. 15.
Mounting, Individual wheel. A. F. Masury. 1,806,695; May 26.
Mounting, Individual wheel. A. F. Masury. 1,822,159; Sept. 8.
Mounting, Individual wheel. F. C. McManus. 1,831,871; Nov. 17.
Mounting, Jewel bearing. O. C. Reeves. 1,806,179; May 19.
Mounting, Lamp. K. R. Crumpton. 1,836,647; Dec. 15.
Mounting, Lamp. C. H. Larson. 1,810,666; June 16.
Mounting, Lamp socket. C. E. Godley. 1,812,476; June 30.
Mounting, Lamp-socket. C. H. Larson. 1,792,498; Feb. 17.
Mounting means for calendars, pens, and pencils. T. J. Keenan. 1,831,712; Nov. 10.
Mounting, Mop. C. P. Dunn. 1,832,536; Nov. 17.
Mounting, Motor. E. C. Ballman. 1,791,261; Feb. 3.
Mounting, Motor. H. L. Brump. 1,798,719; Mar. 31.
Mounting, Motor. H. L. Brump. 1,806,329; May 19.
Mounting, Motor. A. M. Decker. 1,831,739; Nov. 10.
Mounting, Motor. R. K. Lee. 1,830,117; Nov. 3.
Mounting, Motor. C. Saurer. 1,792,872; Feb. 17.
Mounting, Motor. J. N. Scism. 1,810,538; June 16.
Mounting, Nonrigid body. H. W. Bell. 1,798,580; Mar. 31.
Mounting of field guns, Spring. H. Romberg. 1,788,890; Jan. 13.
Mounting of speed cup and rotor shaft. J. Zubaty. 1,826,409; Oct. 6.
Mounting of tags for can-like containers. F. G. Robinson. 1,828,682; Oct. 20.
Mounting, Oil filter. C. W. McKinley and G. H. Willits. 1,816,600; July 28.
Mounting, Ophthalmic. C. O. Cozzens. 1,813,148; July 7.
Mounting, Ophthalmic. N. M. Baker. 1,838,608; Dec. 29.
Mounting, Ophthalmic. F. D. Rooney. 1,835,529; Dec. 8.
Mounting, Ophthalmic. T. A. Walsh, jr. 1,838,646; Dec. 29.
Mounting, Piano key. F. A. Vietor. 1,826,848; Oct. 13.
Mounting pin, Insulator. C. J. Lemont. 1,797,238; Mar. 24.
Mounting, Power-plant. W. K. Voss. 1,791,543; Feb. 10.
Mounting, Propeller. R. F. Muhlenbruck. 1,800,094; Apr. 7.
Mounting, Propeller. R. T. Svendsen and D. G. Chandler. 1,832,061; Nov. 17.
Mounting, Radiator. A. F. Ihde. 1,834,709; Dec. 1.
Mounting, Radiator. A. J. Jansson. 1,833,424; Nov. 24.
Mounting, Radiator. L. T. Ward. 1,817,889; Aug. 4.
Mounting, Railway motor. C. Bethel. 1,813,141; July 7.
Mounting, Removable bearing. R. Foulks. 1,820,017; Aug. 25.
Mounting, Rim. A. S. Van Halteren. 1,818,440; Aug. 11.
Mounting, Roller screen. A. F. Nye. 1,810,849; June 16.
Mounting, Roller shade. D. S. Wetzel. 1,823,520; Sept. 15.
Mounting, Rubber motor. B. H. Anibal. 1,806,569; May 19.
Mounting, Sawmill. L. R. and J. W. Foreman. 1,791,406; Feb. 3.
Mounting, Screen. A. F. Nye. 1,836,387; Dec. 15.
Mounting, Service line meter. J. L. Ford. 1,820,656; Aug. 25.
Mounting, Shade roller. I. Perper. 1,810,497; June 16.
Mounting, Shaft. N. Skillman. 1,838,582; Dec. 29.
Mounting, Sheave. C. A. Carney. 1,795,760; Mar. 10.
Mounting, Speedometer drive. H. Ford. 1,803,059; Apr. 28.
Mounting, Spindle. B. Lundgreen. 1,834,627; Dec. 1.
Mounting, Spotlight. H. H. Harris. 1,800,686; Apr. 14.
Mounting, Switch. C. H. Barnard. 1,789,293; Jan. 20.
Mounting, Switch. W. R. Walker. 1,791,944; Feb. 10.
Mounting, Telephone set. F. A. Hoyt. 1,809,125; June 9.
Mounting, Telescope sight. J. H. Redfield. 1,837,290; Dec. 22.
Mounting, Telescopic rifle sight. R. Sparr. 1,835,576; Dec. 8.
Mounting, Tent-pole. I. P. Smith. 1,801,026; Apr. 14.
Mounting, Tool. E. G. Gartin. 1,803,243; Apr. 28.
Mounting, Tractor frame. A. S. Hughes and H. F. Gorsuch. 1,802,428; Apr. 28.
Mounting, Truck tank. O. N. Gredell. 1,812,093; June 30.
Mounting, Turbine blade. W. B. Tucker. 1,829,881; Nov. 3.
Mounting, Vacuum cleaner brush. E. Nielsen. 1,835,321; Dec. 8.
Mounting, Vacuum tube. H. F. Elliott. 1,817,355; Aug. 4.
Mounting, Vehicle motor. S. H. H. Kuenzel. 1,831,628; Nov. 10.
Mounting, Vehicle wheel. E. F. Brunner. 1,792,807–8; Feb. 17.
Mounting, Wagon end gate. Z. Chevrier. 1,807,084; May 26.
Mounting, Wheel. J. R. Cautley. 1,835,467; Dec. 8.
Mounting, Window glass. M. Katz. 1,833,364; Nov. 24.
Mounting, Window-screen. W. H. and A. G. Ebert. 1,795,715; Mar. 10.
Mounting, Window shade. C. W. Rice. 1,813,768; July 7.
Mounting, Windshield. V. G. Souder. 1,797,801; Mar. 24.
Mounting, X-ray fluorescent screen. F. C. Martin. 1,823,278; Sept. 15.
Mountings to jewelry, Attaching pin tongue. M. Genser. 1,815,058; July 21.
Mousetrap. S. A. Snider. 1,792,774; Feb. 17.
Mousetrap. H. H. Suhr. 1,791,172; Feb. 3.
Mouse trap, Collapsible. S. Nakagawa. 1,820,579; Aug. 25.
Mouthpiece arrangement for use with telephones and the like. D. S. S. Steuart. 1,818,654; Aug. 11.
Mouthpiece for mouth organs, Curved. R. Jontof. 1,806,689; May 26.
Mouthpiece for pipes. S. A. Mericko. 1,805,880; May 19.
Mouthpiece for telephones or speaking tubes and like instruments. E. W. Roberts. 1,806,368; May 19.
Mouthpiece for wind instruments. H. Selmer. 1,789,639; Jan. 20.
Mouthpiece for wood wind instruments. F. Meyer and O. Link. 1,803,268; Apr. 28.
Movement, Mechanical. H. D. Mullan and C. W. Tingley. 1,833,224; Nov. 24.
Movement transmitting system. C. A. de Giers. 1,804,212; May 5.
Moving bodies, Apparatus for investigating experimentally the laws of. P. L. Tea. 1,825,136; Sept. 29.
Mower. W. J. Coultas. 1,822,204; Sept. 8.
Mower accessory, Lawn. S. E. Pierce. 1,811,862; June 30.
Mower and hedge trimmer, Electric lawn. W. D. Seal. 1,823,215; Sept. 15.
Mower attachment, Lawn. R. J. Vimtrup. 1,823,219; Sept. 15.
Mower attachment, Lawn-. H. W. Wildman. 1,796,550; Mar. 17.
Mower, cleaner and vacuum sweeper, Convertible lawn. H. E. Adams. 1,803,160; Apr. 28.
Mower construction. B. Privat. 1,816,868; Aug. 4.
Mower-cutter reel. L. P. Campbell. 1,787,471; Jan. 6.
Mower cutter release, Lawn. C. C. Worthington. 1,802,746; Apr. 28.
Mower, Electric lawn. A. M. Turner. 1,829,690; Oct. 27.
Mower, Electrically driven lawn. J. Lenhart. 1,810,357; June 16.
Mower, Fence row. J. H. Bass. 1,805,861; May 19.
Mower frame, Lawn. H. M. Hessenbruch. 1,809,698; June 9.
Mower, Gang. H. R. Lontz. 1,818,487; Aug. 11.
Mower guard. C. L. Kucha. 1,810,081; June 16.
Mower guards, Forming. C. Pearson. 1,793,717; Feb. 24.
Mower, Hand. C. R. Benzel. 1,805,864; May 19.
Mower hitch. B. R. Benjamin and C. Pearson. 1,819,587; Aug. 18.
Mower, Lawn. W. A. Anderson. 1,802,304; Apr. 21.
Mower, Lawn. M. Comfort. 1,790,637; Jan. 27.
Mower, Lawn. H. A. Daum. 1,823,821; Sept. 15.
Mower, Lawn. F. T. Farmer. 1,808,646; June 2.
Mower, Lawn. A. J. Gilardi. 1,823,267; Sept. 15.
Mower, Lawn. C. A. Gratiot. 1,818,220; Aug. 11.
Mower, Lawn. C. A. Gratiot. 1,836,164; Dec. 15.
Mower, Lawn. H. M. Hessenbruch. 1,826,663; Oct. 6.
Mower, Lawn. H. W. Hessenbruch. 1,832,390; Nov. 17.
Mower, Lawn. H. B. and T. C. Newton. 1,837,725; Dec. 22.
Mower, Lawn. W. S. Nichols. 1,804,703; May 12.
Mower, Lawn. W. S. Nichols. 1,834,964; Dec. 8.
Mower, Lawn. W. S. Nichols and H. D. Miller. 1,836,386; Dec. 15.
Mower, Lawn. L. B. Roth. 1,826,899; Oct. 13.
Mower, Lawn. A. V. Rowe. 1,818,583; Aug. 11.
Mower, Lawn. W. Sipes. 1,789,161; Jan. 13.
Mower, Lawn. A. L. Smith. 1,802,358; Apr. 28.
Mower, Lawn. M. Soss. 1,827,116; Oct. 13.
Mower, Lawn. H. J. Stegeman and S. D. Locke. 1,819,133; Aug. 18.
Mower, Lawn. C. R. Steinmetz and H. F. McKinney. 1,812,272; June 30.
Mower, Lawn. E. W. Strandberg. 1,819,447; Aug. 18.
Mower, Lawn. D. Wenham. 1,795,102; Mar. 3.
Mower, Lawn. J. N. Wetmore. 1,814,991; July 14.
Mower, Motor gang lawn. C. C. Worthington. 1,794,880; Mar. 3.
Mower, Power-driven lawn. A. E. Jerram. 1,798,021; Mar. 24.
Mower, Power operated lawn. W. E. Beazley. 1,827,559; Oct. 13.
Mower, Rotary. J. R. Kelly. 1,800,257; Apr. 14.
Mowers and reapers, Guard finger and ledger plate construction for. E. A. Washburn. 1,806,926; May 26.
Mowers, Attachment for lawn. O. D. Stokes. 1,800,113; Apr. 7.
Mowers, Grass catcher for lawn. W. H. Dees. 1,826,605; Oct. 6.

Mowers, Trimming attachment for lawn. C. E. Wenrich. 1,837,741; Dec. 22.
Mowing apparatus, Lawn. C. C. Worthington. 1,825,109; Sept. 29.
Mowing machine. H. R. Lontz. 1,816,980; Aug. 4.
Mowing machine. J. Mankō. 1,806,480; May 19.
Mowing machine. L. Sharp. 1,805,927; May 19.
Mowing machine, Lawn. W. J. Borer. 1,806,584; May 26.
Mowing machine, Mechanically driven. M. F. Moreau. 1,810,781; June 16.
Mowing machines, Divider for. J. A. Rivington. 1,792,607; Feb. 17.
Mowing machines, Grain-lifter guard for. W. Gaterman. 1,797,682; Mar. 24.
Mowing machines, Method of and mechanism for adjusting. J. M. Heald. 1,817,372; Aug. 4.
Mowing machines, Seed gathering attachment for. C. King. 1,819,180; Aug. 18.
Moxa treatment, Device for. Y Kōno. 1,831,669; Nov. 10.
Mucilage spreader. W. W. S. Carpenter. 1,811,612; June 23.
Mucin preparation, Physiological. S. J. Fogelson. 1,829,270; Oct. 27.
Mudboat. E. W. Phillips. 1,813,463; July 7.
Mudguard for automobile fenders, Auxiliary. A. W. Kile. 1,809,711; June 9.
Mud saver. W. H. Taylor. 1,835,444; Dec. 8.
Muff, Pocketbook. L. and M. B. Lipschutz. 1,817,750; Aug. 4.
Muffle furnace. P. Möhring. 1,833,088; Nov. 24.
Muffler. C. P. Brockway. 1,829,977; Nov. 3.
Muffler. J. J. Compo. 1,796,441; Mar. 17.
Muffler. J. J. Compo. 1,829,737; Nov. 3.
Muffler. H. M. Gorsline. 1,822,990; Sept. 15.
Muffler. L. L. Haas. 1,817,981; Aug. 11.
Muffler. L. L. Haas. 1,820,972; Sept. 1.
Muffler. L. L. Haas. 1,828,110; Oct. 20.
Muffler. B. Hemerka. 1,790,375; Jan. 27.
Muffler. A. W. W. van Hoorn. 1,803,415; May 5.
Muffler. F. C. Horn. 1,835,872; Dec. 8.
Muffler. E. Huby. 1,835,053; Dec. 8.
Muffler. A. P. J. Voigt. 1,838,645; Dec. 29.
Muffler. A. J. F. Wright. 1,797,310; Mar. 24.
Muffler and heating means. V. J. Burnelli. 1,799,779; Apr. 7.
Muffler and propeller assembly for internal combustion engines. A. M. Decker. 1,822,272; Sept. 8.
Muffler, Exhaust. J. J. Bowes. 1,794,276; Feb. 24.
Muffler, Exhaust. F. H. Schnell. 1,811,762; June 23.
Muffler, Exhaust gas. F. F. Hamilton, and H. E. Van Voorhees. 1,815,005; July 14.
Muffler for aeroplane engines, Cowl. A. C. Hewitt. 1,825,794; Oct. 6.
Muffler for engine. A. T. Floyd, jr. 1,818,469; Aug. 11.
Muffler for infernal combustion engines. R. J. Burrows. 1,831,159; Nov. 10.
Muffler for internal combustion engines. C. R. Miner. 1,833,256; Nov. 24.
Muffler for internal-combustion engines. H. S. Powell. 1,800,354; Apr. 14.
Muffler for internal combustion engines, Exhaust. A. S. Noonan. 1,810,252; June 16.
Muffler or similar article. W. Kreielsheimer. Des. 83,552; Mar. 3.
Muffler with relief valves. L. L. Haas. 1,795,947; Mar. 10.
Mug, Shaving. T. D. Jones. 1,813,702; July 7.
Mug, Shaving. J. W. Peterson. 1,815,482; July 21.
Mulch for retaining growth of plants. W. M. Floring. 1,807,205; May 26.
Mulch-paper-laying machine. H. J. Herfort. 1,787,902; Jan. 6.
Mulching machine. E. H. Turcotte. 1,798,343; Mar. 31.
Mule. K. M. Stone. 1,793,380; Feb. 17.
Mule hazard. J. W. Sawyer and B. E. Large. Des. 83,064; Jan. 13.
Multicircuit testing mechanism. F. B. Philbrick. 1,799,438; Apr. 7.
Multicircuit testing mechanism. F. B. Philbrick. 1,825,978; Oct. 6.
Multicolor press. H. V. Ball. 1,796,643; Mar. 17.
Multigraph machine. H. Harris. 1,796,021; Mar. 10.
Multiple car elevator. W. S. Rugg. 1,805,227; May 12.
Multiple-channel multiphase antifade system. L. C. Young. 1,797,746; Mar. 24.
Multiple-cycle engine. A. C. Peterson. 1,792,028; Feb. 10.
Multiple cylinder engine. A. C. Peterson. 1,825,417; Sept. 29.
Multiple drill. G. D. Haskell. 1,799,812; Apr. 7.
Multiple flow regulator. A. D. MacLean. 1,820,358; Aug. 25.
Multiple freezing mold. N. H. Thomas. 1,831,047; Nov. 10.
Multiplex bag. W. L. Taylor. 1,821,246; Sept. 1.
Multiplex film and making. L. T. Troland. 1,821,680; Sept. 1.
Multiplex reproducing. R. H. Ranger. 1,807,012; May 26.
Multiplex system. C. H. Fetter. 1,794,889; Mar. 3.
Multiplex system. C. H. Fetter. 1,833,966; Dec. 1.
Multiplication, Frequency. M. Osnos. 1,829,419; Oct. 27.
Multiplication system, Frequency. A. H. Taylor. 1,813,469; July 7.
Multirate meter. G. Mohr. 1,813,186; July 7.
Multirecord controller. C. H. Green. 1,801,343; Apr. 21.
Multirecord expression mechanism, Automatic. O. W. Holmgren. 1,827,814; Oct. 20.
Multiwalled bag. A. L. Currier. 1,789,807; Jan. 20.
Multiweb handling machine. H. M. Barber. 1,826,446; Oct. 6.
Muntin bar. A. C. Armstrong. 1,789,280; Jan. 13.
Muscles of the hand, Apparatus for developing the. O. E. Pettersson. 1,796,216; Mar. 10.
Muscles, Treating and exercising the ocular. W. M. Updegrave. 1,811,034; June 23.
Muscles, Testing and exercising the ocular. W. M. Updegrave. 1,818,660; Aug. 11.
Mushroom culture, Propagating apparatus for. V. Steves. 1,808,383; June 2.
Mushrooms, Method for culturing. H. Morimoto. 1,833,089; Nov. 24.
Music, Apparatus for teaching. C. M. L. Bundy. 1,806,964; May 26.
Music, Apparatus for teaching. J. M. Jolls. 1,796,845; Mar. 17.
Music, Apparatus for teaching. J. M. Jolls. 1,805,488; May 19.
Music holding attachment for music racks, Reserve. E. H. Nystrom. 1,816,340; July 28.
Music instruction board. B. M. Newton. 1,816,865; Aug. 4.
Music instrument. M. Stoehr. 1,795,320; Mar. 10.
Music-leaf turner. J. H. Dunn. 1,790,537; Jan. 27.
Music-leaf turner. A. S. Hontz. 1,792,373; Feb. 10.
Music leaf turner. T. P. Jakobson. 1,806,803; May 26.
Music, Printing. J. L. Lenouvel and P. Chapsal. 1,793,742; Feb. 24.
Music, Producing pipe-organ. H. F. Waters. 1,793,532; Feb. 24.
Music rest for pianos. A. H. Morse. 1,838,630; Dec. 29.
Music sheet turner. E. Gustafson. 1,822,523; Sept. 8.
Music, speech, and the like, Apparatus for the reproduction of. F. W. Lanchester. 1,809,483; June 9.
Music stand. H. A. Kliegl. 1,818,717; Aug. 11.
Music, System for producing. C. J. Young. 1,823,716; Sept. 15.
Musical apparatus. G. A. Bush. 1,798,521; Mar. 31.
Musical educational device. M. B. Hohn. 1,821,516; Sept. 1.
Musical element. H. E. Winterhoff. 1,813,832; July 7.
Musical instruction, Mechanism for use in. G. A. Rogers. 1,811,865; June 30.
Musical instrument. J. Le R. Banks. 1,798,055; Mar. 24.
Musical instrument. H. G. Beyer. 1,791,999; Feb. 10.
Musical instrument. W. L. Carlson. 1,823,724; Sept. 15.
Musical instrument. D. D. Evins. 1,827,978; Oct. 20.
Musical instrument. G. W. Higginbotham. 1,798,020; Mar. 24.
Musical instrument. A. D. Loman, jr. 1,794,190; Feb. 24.
Musical instrument. B. M. Mann. 1,788,313; Jan. 6.
Musical instrument. C. F. McCleary. 1,795,259; Mar. 3.
Musical instrument. J. M. Minteer. 1,835,892; Dec. 8.
Musical instrument. F. Nardone. 1,797,921; Mar. 24.
Musical instrument. O. M. Osborne. 1,817,704; Aug. 4.
Musical instrument. G. Pruefer. 1,801,690; Apr. 21.
Musical instrument. S. A. Swanson. 1,822,941; Sept. 15.
Musical instrument. M. D. Zimmerman and H. Pullen. 1,813,337; July 7.
Musical instrument, Automatic. L. S. Lockwood. 1,810,359; June 16.
Musical instrument, Automatic. E. W. Scherr, jr. 1,838,328; Dec. 29.
Musical instrument, Automatic. C. F. Stoddard. 1,813,097; July 7.
Musical instrument, Automatic. C. F. Stoddard. 1,817,499; Aug. 4.
Musical instrument, Automatic. C. F. Stoddard and C. N. Hickman. 1,813,098; July 7.
Musical-instrument body. F. B. Bremerman. Des. 83,426; Feb. 24.
Musical instrument, Closure for. A. D. Trenor. 1,795,355; Mar. 10.
Musical instrument, Combined. W. Borzage. 1,830,086; Nov. 3.
Musical instrument, Electric. M. L. E. Martenot. 1,824,402; Sept. 22.
Musical instrument, Electrical. N. Langer. 1,832,402; Nov. 17.
Musical instrument, Electro-acoustic. J. Mager. 1,829,099; Oct. 27.
Musical instrument, Keyboard operated. A. V. Bennett. 1,805,863; May 19.
Musical instrument or similar article. H. Pullen. Des. 83,831; Mar. 31.
Musical instrument or similar article. M. D. Zimmerman and H. Pullen. Des. 83,185; Jan. 27.
Musical instrument or similar article. M. D. Zimmerman and H. Pullen. Des. 83,383; Feb. 17.
Musical instrument pad, Wind. F. B. Hammann. 1,816,578; July 28.
Musical instrument, Percussion. W. D. Gladstone. 1,801,422; Apr. 21.
Musical-instrument player. W. V. Prince. 1,791,903; Feb. 10.
Musical instrument, Plucked string. F. Kordick. 1,819,371; Aug. 18.

Musical instrument, String. H. Fischer. 1,808,103; June 2.
Musical instrument string securing device. C. B. Williams. 1,811,738; June 23.
Musical instrument, Stringed. G. D. Beauchamp. 1,808,756–7; June 9.
Musical instrument, Stringed. F. C. Berry and F. L. Hedges. 1,800,980; Apr. 14.
Musical instrument, Stringed. D. Cavicchioli. 1,828,315; Oct. 20.
Musical instrument, Stringed. R. Dopyera. 1,803,100; Apr. 28.
Musical instrument, Stringed. R. Geartner. 1,834,695; Dec. 1.
Musical instrument, Stringed. P. Gruppe. 1,802,250; Apr. 21.
Musical instrument, Stringed. C. Haberman. 1,789,681; Jan. 20.
Musical instrument, Stringed. J. T., M., and C. Kaufman. 1,809,710; June 9.
Musical instrument, Stringed. J. H. Large. 1,799,172; Apr. 7.
Musical instrument, Stringed. E. Moor. 1,807,746; June 2.
Musical instrument, Stringed. J. E. Sherman. 1,819,796; Aug. 18.
Musical instrument, Stringed. H. H. Wheatley. 1,836,214; Dec. 15.
Musical instrument, Wave-operated. H. C. R. Pechadre. 1,791,374; Feb. 3.
Musical instrument, Wind. P. J. Burkle. 1,837,201; Dec. 22.
Musical instrument, Wind. J. A. Milette. 1,823,838; Sept. 15.
Musical instruments, Attachment for stringed. V. S. Truett and H. H. George. 1,826,969; Oct. 13.
Musical instruments, Expression device for. S. Battner. 1,820,865; Aug. 25.
Musical instruments. Fretting attachment for stringed. F. Bonner. 1,795,825; Mar. 10.
Musical instruments, Head for. G. H. Logan. 1,809,050; June 9.
Musical instruments, Peg for stringed. O. Gilbert. 1,832,379; Nov. 17.
Musical instruments, Sound post for stringed. W. A. Griffith and W. L. Myers. 1,805,172; May 12.
Musical instruments, Tailpiece mute for stringed. R. R. Page. 1,817,461; Aug. 4.
Musical instruments, Tone modulator for. J. H. Hammond, jr. 1,795,649; Mar. 10.
Musical instruments, Vibrant bar for. H. J. Schluter. 1,838,502; Dec. 29.
Musical reed. T. S. Ogilvie. 1,790,167; Jan. 27.
Musical toy. F. J. Goriup. 1,816,647; July 28.
Musical toy. O. A. Langos. 1,821,184; Sept. 1.
Musical traps. F. J. Troppe. 1,808,085; June 2.
Musical wind instrument. H. Bernard. 1,791,299; Feb. 3.
Musical wind instrument. L. Rives. 1,814,456; July 14.
Muskrat trap. C. L. Topp. 1,816,269; July 28.
Mustard dispensing device. J. G. Coffin. 1,817,293; Aug. 4.
Mute for stringed instruments. F. Q. Miranda. 1,825,915; Oct. 6.
Mute for stringed musical instrument. R. R. Page. 1,809,311; June 9.
Muzzle, Cattle. R. F. Campbell. 1,822,610; Sept. 8.
N-amino-alkyl-aminoaldehydes. Aromatic. A. Wingler. 1,807,720; June 2.
Nacreous substances and articles formed therefrom, Treating. G. A. Lippincott. 1,812,885; July 7.
Nail. T. E. Gentry. 1,801,077; Apr. 14.
Nail. W. G. Woodruff. 1,808,197; June 2.
Nail and spike extractor. F. Swoyer and T. J. Bryant. 1,835,443; Dec. 8.
Nail, Expansion. H. W. Pleister. 1,798,273; Mar. 31.
Nail head capping machine. G. E. Dickson. 1,827,566; Oct. 13.
Nail, Joint. J. S. McChesney. 1,793,185; Feb. 17.
Nail-making machine. R. F. Kiefer. 1,795,216; Mar. 3.
Nail-making machine. R. F. Kiefer, J. P. Ritchey, and R. J. Farrell. 1,795,217; Mar. 3.
Nail plate feeder. W. H. Johnson. 1,825,695; Oct. 6.
Nail polisher. M. Cade. 1,812,772; June 30.
Nail polisher, Finger. C. J. Foerster. 1,810,701; June 16.
Nail polisher, Finger. C. J. Foerster. 1,814,625; July 14.
Nail, Self-furring lathing. J. W. Farr. 1,792,217; Feb. 10.
Nail set. J. J. Stanford. 1,838,462; Dec. 29.
Nail, Shoe. J. H. Pope. 1,805,553; May 19.
Nail sorting, Apparatus for. B. P. Cooper. 1,808,806; June 9.
Nail sorting machine. B. P. Cooper. 1,822,921; Sept. 15.
Nail trimmer. C. J. Jolidon. 1,809,556; June 9.
Nailing implement, Hand. D. J. Ajouelo. 1,817,224; Aug. 4.
Nailing machines, Attachment for. O. F. Carpenter. 1,834,827; Dec. 1.
Nails, Manufacture of horseshoe. H. C. H. Mustad. 1,814,952; July 14.
Name plate. H. Heinicke. 1,792,982; Feb. 17.
Name plate. R. D. Hyatt and R. E. Cochran. 1,808,040; June 2.
Name plate and the like. O. Nelson. 1,802,982; Apr. 28.
Names of the streets or stops, Device for showing the. J. Ovens. 1,794,729; Mar. 3.
Naphtha from hydrocarbon oils, Producing. M. L. Chappell. 1,823,967; Sept. 22.
Naphthalene and tar from fuel gas, Removal of. F. W. Sperr, jr. 1,830,178; Nov. 3.
Naphthalene, Catalytic oxidation of. A. O. Jaeger. 1,809,752; June 9.
Naphthalene from solvent naphtha, Removing. F. F. Marquard. 1,801,097; Apr. 14.
Napthalene, Halogenated. G. Rosch and W. Bauer. 1,822,982; Sept. 15.
Naphthalene, Purification of. G. Schroeter. 1,800,159; Apr. 7.
Naphthalene–1.4.5.8–tetracarboxylic acid, Preparing. H. Greune. 1,803,182; Apr. 28.
Naphthalenes from their beta isomers, Separation of alpha mono substituted. H. J. Welland and I. Gubelmann. 1,836,211; Dec. 15.
Naphthol and process for making, Tertiary butyl. F. Koenigsberger. 1,788,529; Jan. 13.
Napkin, Folded paper. E. C. Morris. 1,819,753; Aug. 18.
Napkin package. P. H. Horwitt. 1,794,380; Mar. 3.
Nasal pellet. E. J. Brennan. 1,804,670; May 12.
Natural air drier. S. W. Bonsall. 1,822,431; Sept. 8.
Nautical instrument. W. E. Lewis. 1,808,359; June 2.
Navigation light, Aircraft. C. H. Colvin. 1,828,097; Oct. 20.
Navigation system and method, Aerial. G. G. Kruesi. 1,820,004; Aug. 18.
Nebulizer. C. L. Riley. 1,825,546; Sept. 29.
Neck and closure structure. J. S. Reid. 1,818,581; Aug. 11.
Neck and closure structure. J. S. Reid. 1,838,636; Dec. 29.
Neckband for barbers' hair-cutting cloth, adjustable. W. J. Davis. 1,793,591 Feb. 24.
Neckband for bottles. R. Wood. 1,793,348; Feb. 17.
Necklace. J. L. Schwab. Des. 84,303; June 2.
Necklace. H. Wander. 1,799,187; Apr. 7.
Necklace clasp. H. C. Schick. Des. 83,647; Mar. 10.
Necklace clasp. H. C. Schick. 1,813,963; July 14.
Necklaces and the like, Connecter for. H. C. Potter. 1,795,674; Mar. 10.
Neckpieces, Skull for fur. C. A. Hosier. 1,824,996; Sept. 29.
Necktie. V. A. Bianco. 1,805,968; May 19.
Necktie. T. G. Craighead. 1,820,376; Aug. 25.
Necktie. C. Di Tosto. 1,811,748; June 23.
Necktie. G. E. Figg. 1,825,313; Sept. 29.
Necktie. A. J. Fieumedoro. Re18,224; Oct. 13.
Necktie. L. Friedman. 1,827,313; Oct. 13.
Necktie. H. C. Hall. 1,803,388; May 5.
Necktie. M. M. Hall. 1,824,267; Sept. 22.
Necktie. M. Halpern. 1,803,249; Apr. 28.
Necktie. H. Hendel. 1,798,086; Mar. 24.
Necktie. E. J. Hooper. 1,811,393; June 23.
Necktie. W. C. Klunk. 1,836,925; Dec. 15.
Necktie. J. M. I. Marin and D. S. Rubens. 1,815,675; July 21.
Necktie. J. C. McCurrach. 1,809,594; June 9.
Necktie. M. R. Roy. 1,819,922; Aug. 18.
Necktie. E. L. Stott. 1,808,616; June 2.
Necktie. S. Schwartz. Re18,222; Oct. 6.
Necktie. S. Weldon. 1,805,965; May 19.
Necktie, Adjustable. I. D. Wolfson. 1,836,216; Dec. 15.
Necktie-attaching clip. H. A. Clark. 1,797,074; Mar. 17.
Necktie clasp. F. G. Herweg. 1,827,889; Oct. 20.
Necktie clasp. I. Rosen. 1,797,299; Mar. 24.
Necktie press. R. F. Schulzke and D. L. Hamilton. 1,807,259; May 26.
Necktie press, Universal. V. Syren. 1,816,349; July 28.
Necktie rack. J. F. Harrington. 1,822,734; Sept. 8.
Necktie reformer. W. B. Kliver. 1,803,710; May 5.
Necktie restorer, Electric. D. M. Benford. Des. 85,452; Oct. 27.
Necktie retainer. A. C. Ratajack. 1,798,432; Mar. 31.
Necktie, Reversible. I. D. Wolfson. 1,826,035; Oct. 6.
Neckwear, Man's. B. G. Hodges. 1,800,729; Apr. 14.
Needle. L. G. Dahm. 1,808,532; June 2.
Needle and making same, Knitting. R. Marx. 1,794,309; Feb. 24.
Needle and stripper, Cotton. A. Cullander. 1,818,537; Aug. 11.
Needle control mechanism for knitting machines. W. D. Butz. 1,818,112–13; Aug. 11.
Needle, Cotton picking. L. E. Wirth. 1,818,444; Aug. 11.
Needle for use in machines for drawing out threads from tissues, Drawing out. K. Mischke. 1,788,730; Jan. 13.
Needle, Hand operated. E. J. Hoffman. 1,813,924; July 14.
Needle, Knitting. W. H. Leavin and S. B. Leavin. 1,823,906; Sept. 22.
Needle, Knitting. A. C. Parlini. 1,824,445; Sept. 22.
Needle, Knitting. M. Vitoux. 1,790,611; Jan. 27.
Needle latches, Making. A. C. Parlini. 1,818,746; Aug. 11.
Needle, Phonograph. H. C. Harrison and H. A. Anderson. 1,792,494; Feb. 17.
Needle, Run mending. J. Messing. 1,831,872; Nov. 17.
Needle, Sewing. J. Wagner. 1,833,665; Nov. 24.
Needle, Tape. E. O. Gatlin. 1,834,611; Dec. 1.

Needle thread controlling mechanism. C. W. Mueller. 1,827,949; Oct. 20.
Needle threader. A. B. Clark. 1,798,306; Mar. 31.
Needle threader. J. Rozdilski. 1,803,918; May 5.
Needle, Wool rug. G. E. Johnston. 1,832,559; Nov. 17.
Needles in plating operation, Mechanism for controlling the. P. Sander. 1,791,976; Feb. 10.
Needles, Making sewing. A. Ripper. 1,801,691; Apr. 21.
Needles of circular-knitting machines, Device for selecting knitting. J. and R. H. Lawson. 1,801,606; Apr. 21.
Negative capacity device. M. M. Dolmage. 1,815,838; July 21.
Negative holder. C. D. Newton and R. De Silva. 1,822,783; Sept. 8.
Negative resistance, Measurement of. G. Crisson. 1,821,006; Sept. 1.
Negatives, Illuminating device for the display and examination of. E. B. Mabee. 1,803,631; May 5.
Negatives with printing surfaces, Method and apparatus for registering. C. W. Kanolt. 1,838,312; Dec. 29.
Neon-lamp stroboscope. S. A. Staege. 1,799,993; Apr. 7.
Nest. N. V. Peterson. 1,807,253; May 26.
Nest, Automatic trap. C. J. Loehr. 1,824,557; Sept. 22.
Nest, Clean egg. E. H. Kielsmeier. 1,810,278; June 16.
Nest, Hen's. A. Beverly. 1,837,104; Dec. 15.
Nest, Hen's. J. Burri. 1,837,528; Dec. 22.
Nest, Hen's. W. T. Esch. 1,832,370; Nov. 17.
Nest, Hen's. H. A. Krogstad. 1,827,944; Oct. 20.
Nest, Hen's. L. R. Shaffer. 1,817,588; Aug. 4.
Nest, Hen's. H. A. Trullinger. 1,811,338; June 23.
Nest, Sanitary hen's. H. Erickson. 1,796,246; Mar. 10.
Nest, Trap. A. O. Forster and P. M. Forster. 1,792,734; Feb. 17.
Nest, Trap. F. W. Lord. 1,822,048; Sept. 8.
Nest, Trap. C. Stock. 1,808,615; June 2.
Net. J. H. Mahler. 1,802,262; Apr. 21.
Net. C. M. Young. 1,835,197; Dec. 8.
Net float, Fish-. H. W. Hornke. 1,787,862; Jan. 6.
Net-making machines, Strand-leading-out device for. H. Yokoyama. 1,795,385; Mar. 10.
Net piler. L. A. Ederer, 1,831,849; Nov. 17.
Network, Artificial line. J. W. Milnor. 1,809,560; June 9.
Network, Artificial line. J. W. Milnor and W. D. Cannon. 1,815,629; July 21.
Network, Phase-shifting. O. J. Zobel. 1,792,523; Feb. 17.
Neutralization system. H. F. Elliott. 1,813,036; July 7.
Neutralizing device for vacuum tubes. A. D. Ring. 1,820,832; Aug. 25.
New ω-halogen-methyl derivatives of phenol and its homologues and a new process of preparing the same. A. Brunner. 1,807,729; June 2.
News device for rotary printing machines, Late. C. Winkler. 1,824,646; Sept. 22.
Newspaper clamp. H. D. Smiley. 1,817,424; Aug. 4.
Nib section and holder therefor, Interchangeable. J. W. Neal. 1,818,424; Aug. 11.
Nibs, Device for operating on. J. E. Wahl. 1,791,776; Feb. 10.
Nickel, Electrodepositing bright. W. L. Pinner and C. C. De Witt. 1,837,835; Dec. 22.
Nicotine and the methylalcohol when smoking tobacco, Doing away with the. I. Traube. 1,826,331; Oct. 6.
Night light, Portable. H. Hubbell, jr. 1,797,420; Mar. 24.
Nipple extractor. A. Delorme. 1,813,567; July 7.
Nipple, Nursing. J. Schmid. 1,808,148; June 2.
Nipple, Nursing. J. A. Smith. 1,821,913; Sept. 1.
Nipples, Making nursing. P. H. Carpenter. 1,788,981; Jan. 13.
Nipples, Reenforcing means for. E. L. Oliver. 1,794,728; Mar. 3.
Nitrate and ammonium nitrate, Producing a mixture of calcium. F. G. Liljenroth. 1,802,347; Apr. 28.
Nitrate, Production of potassium. F. Frowein and E. Rahlfs. 1,835,704; Dec. 8.
Nitrates, Manufacture of. F. A. Henglein. 1,798,533; Mar. 31.
Nitrates, Manufacturing. J. I. Bronn and G. Fischer. 1,809,191; June 9.
Nitrates, Stabilization of organic. R. McGill. 1,817,456; Aug. 4.
Nitrides of aluminum or magnesium from their minerals, Producing. C. G. Miner. 1,803,720; May 5.
Nitrification. A. B. Kinzel. 1,808,355; June 2.
Nitro compounds, Making aromatic. H. K. Ihrig. 1,838,311; Dec. 29.
Nitro compounds of dinaphthylene-dioxides. L. Zeh, E. Kramer, and B. Bollweg. 1,820,038; Aug. 25.
Nitroarylaminoanthraquinone compound, New. H. Tesche and A. Job. 1,821,040; Sept. 1.
Nitrobenzene, Purifying. S. Boyer. 1,793,304; Feb. 17.
Nitrocellulose and coating composition containing the same, Soluble. E. C. Pitman. 1,788,406; Jan. 13.
Nitrocellulose coating composition. H. M. Weber. 1,835,105; Dec. 8.
Nitrocellulose composition. J. H. Gardner. 1,804,503; May 12.
Nitrocellulose, Digestion of. M. G. Milliken. 1,818,733; Aug. 11.
Nitrocellulose smokeless powder, Manufacture of. A. S. Hawkesworth. 1,809,695; June 9.
Nitrocellulose, Solubilized. C. Ellis. 1,816,146; July 28.
Nitrocellulose solutions, Reducing the viscosity of. W. C. Wilson. 1,795,918; Mar. 10.
Nitrocelluloses and raw material therefor, Preparing. M. O. Schur and B. C. Hoos. 1,833,955; Dec. 1.
Nitrogen and hydrogen for ammonia synthesis, Production of mixtures of. H. A Humphrey. 1,794,231; Feb. 24.
Nitrogen-hydrogen mixture in the synthesis of ammonia, Purifying the. L. C. Jones. 1,794,903; Mar. 3.
Nitrogen in sulphuric acid manufacture, Recovery of oxides of. A. M. Fairlie. 1,833,418; Nov. 24.
Nitrogen into a compound, containing combined nitrogen, Converting atmospheric. F. W. de Jahn. 1,832,102; Nov. 17.
Nitrogen oxide, System and apparatus for manufacturing. F. W. de Jahn. 1,789,580; Jan. 20.
Nitrogenous waste materials, Treating. F. N. Moerk. 1,820,920; Sept. 1.
Nitrostarch lacquer compositions. W. R. Lams and J. A. Wyler. 1,833,526; Nov. 24.
Nitrostarch, Stabilization of. W. O. Snelling and J. A. Wyler. 1,835,911; Dec. 8.
Nonconductor, Heating an electrical and thermal. E. E. Rosaire. 1,813,425; July 7.
Noncorrosive solution. W. S. Calcott and H. W. Walker. 1,810,946; June 23.
Non-flashing gas burner. E. J. Te Pas. 1,821,858; Sept. 1.
Non-freezing water fountain. C. H. Rinehart. 1,821,724; Sept. 1.
Nonporous articles, Making. L. G. Firth. 1,792,581; Feb. 17.
Nonskid attachment for vehicle wheels. O. M. Peters. 1,809,354; June 9.
Nonskid device. I. and A. J. Bloom. 1,792,354; Feb. 10.
Nonskid device for automobile wheels. C. E. Clapp. 1,810,129; June 16.
Nonskid device, Quickly applied. A. D. Bruner. 1,826,123; Oct. 6.
Nonskidding device. S. K. Kalebdjian. 1,802,653; Apr. 28.
Nonsplash and self-draining can. S. E. Nord. 1,825,120; Sept. 29.
Normalizing furnace, Continuous sheet steel. F. A. Fahrenwald. 1,834,207; Dec. 1.
Nostril insert. F. Fores. 1,819,884; Aug. 18.
Novel effects in decoration and the like, Producing. J. H. Modes. 1,832,408; Nov. 17.
Novelty, Advertising. B. C. Myers. Des. 85,113; Sept. 15.
Novelty box. M. Dushek. 1,834,691; Dec. 1.
Novelty, Card. F. Weindel, jr. 1,823,241; Sept. 15.
Novelty case, Duplex. B. B. Deitel. 1,788,189; Jan. 6.
Novelty pin. C. P. Roberts and W. I. Latta. 1,819,757; Aug. 18.
Novelty stand, Advertising. J. Horwarth. 1,804,617; May 12.
Nozzle. J. A. Cunningham. 1,803,425; May 5.
Nozzle. F. E. Hansen. 1,835,865; Dec. 8.
Nozzle. E. S. Harter. 1,825,864; Oct. 6.
Nozzle. J. T. Lally. 1,812,794; June 30.
Nozzle. M. W. McLaren. 1,809,787; June 9.
Nozzle. L. W. Mitchell. 1,789,491; Jan. 20.
Nozzle. F. A. Sims and L. P. Uphoff. 1,829,878; Nov. 3.
Nozzle. P. C. Temple. 1,810,799; June 16.
Nozzle. C. M. Terry. 1,795,807; Mar. 10.
Nozzle. M. H. Smith. 1,798,709; Mar. 31.
Nozzle. S. A. Wier. 1,809,999; June 16.
Nozzle, Adjustable fuel burning. G. W. Jarvis. 1,827,235; Oct. 13.
Nozzle, Adjustable variable flow liquid dispensing. M. J. Caswell. 1,821,206; Sept. 1.
Nozzle, Air-brush. A. Shelburne. 1,790,513; Jan. 27.
Nozzle and beater, Combined vacuum-cleaner. G. E. Gudmundson. 1,791,202; Feb. 3.
Nozzle and closure therefor, Container. G. A. Williams. 1,791,650; Feb. 10.
Nozzle and closure therefor, Pouring. H. E. Barroll. 1,814,658; July 14.
Nozzle, Atomizing. E. Camerino. 1,833,108; Nov. 24.
Nozzle, Atomizing. G. Schlick. 1,837,339; Dec. 22.
Nozzle, Bottle-filling. J. E. Dunn. 1,793,684; Feb. 24.
Nozzle, Burner. W. McK. Braybrooks. 1,790,970; Feb. 3.
Nozzle controlled switch. F. G. Farr. 1,827,355; Oct. 13.
Nozzle device. W. Wenderhold. 1,839,188; Dec. 29.
Nozzle device, Dispensing. J. C. Miller. 1,797,272; Mar. 24.
Nozzle dissolver, Spray. J. F. Corbett. 1,827,384; Oct. 13.
Nozzle, Exhaust. B. L. McLeod. 1,809,942; June 16.
Nozzle, Exhaust. C. Seymour. 1,825,479; Sept. 29.
Nozzle, Exhaust. B. T. Williston. 1,798,771; Mar. 31.
Nozzle, Filling. J. Zwicky. 1,799,999; Apr. 7.
Nozzle, Fire hose. G. F. Lum. 1,823,277; Sept. 15.
Nozzle, Fluid. S. Rasmussen and K. S. Jenson. 1,835,333; Dec. 8.
Nozzle for locomotives, Exhaust steam. G. H. Cook. 1,819,594; Aug. 18.
Nozzle for lubricating systems. V. A. Boker. 1,802,700; Apr. 28.
Nozzle for lubricators. K. E. Lyman. 1,798,213; Mar. 31.
Nozzle for molten-metal containers. C. H. Milner. 1,832,873; Nov. 24.
Nozzle for picking cotton. G. J. Ziegler. 1,833,346; Nov. 24.
Nozzle for projecting a fine stream of fluid. F. C. Phillips. 1,795,314; Mar. 10.
Nozzle for suction cleaners, Adjustable auxiliary. G. C. Curry. 1,811,350; June 23.

Nozzle for swing joints and pipe line connections, Tank. T. J. Calhoun. 1,817,029; Aug. 4.
Nozzle, Fuel. W. F. Joachim. 1,834,061; Dec. 1.
Nozzle, Fuel-atomizing. R. R. Waterman. 1,797,110; Mar. 17.
Nozzle, Garden hose. L. B. Nichols. 1,838,438; Dec. 29.
Nozzle, Gasoline dispensing. C. G. Abbott. 1,818,663; Aug. 11.
Nozzle, Grease-gun. H. R. Fulk. 1,794,286; Feb. 24.
Nozzle, Hose. A. K. Barr. 1,831,586; Nov. 10.
Nozzle, Hose. J. J. Freeman. 1,813,733; July 7.
Nozzle, Hose. W. H. Rice and H. M. Lyon. 1,835,429; Dec. 8.
Nozzle, Injection. H. T. Herr. 1,834,058; Dec. 1.
Nozzle, Injection. A. Winton. 1,790,781; Feb. 3.
Nozzle mechanism. A. V. Motsinger. 1,818,422; Aug. 11.
Nozzle, Oil and steam burner. R. H. Forney. 1,799,551; Apr. 7.
Nozzle outlet, Spray. L. G. Chase. 1,821,542; Sept. 1.
Nozzle, Pouring. H. E. Barroll. 1,814,659; July 14.
Nozzle, Pouring pot. W. P. Tarrant. 1,809,763; June 9.
Nozzle, Spray. J. Giordano. 1,816,645; July 28.
Nozzle, Spray. R. M. Mueller. 1,832,724; Nov. 17.
Nozzle, Spray. E. G. Munz. 1,805,782; May 19.
Nozzle, Spray. F. L. Nash and J. E. Cox. 1,834,634; Dec. 1.
Nozzle, Spray. W. H. Schneider. 1,795,898; Mar. 10.
Nozzle, Spray. H. C. Weitzel. 1,815,535; July 21.
Nozzle, Spray. L. J. Williams. 1,823,635; Sept. 15.
Nozzle, Spraying. C. Ladisch. 1,811,637; June 23.
Nozzle, Spraying. J. Mahler. 1,793,234; Feb. 17.
Nozzle, Sprinkler. L. R. Nelson. 1,788,492; Jan. 13.
Nozzle tip. C. K. Fitts. 1,790,908; Feb. 3.
Nozzle, Torch. P. M. Forster. 1,800,617; Apr. 14.
Nozzle, Turbine. M. Sedlmeir. 1,819,485; Aug. 18.
Nozzle, Vacuum-cleaner. R. Kline. 1,791,760; Feb. 10.
Nozzle, Water-cooled. C. W. Rice. 1,798,032; Mar. 24.
Nozzles, Device for holding fire hose. G. L. Whiteford. 1,829,621; Oct. 27.
Nozzles, Fan and spray wheel attachment for hose. F. P. Gibson. 1,826,208; Oct. 6.
Nozzles, Inner seal for. C. A. Williams. 1,797,033; Mar. 17.
Nozzles, Making. J. H. Taylor. 1,802,961; Apr. 28.
Nozzles, Making can. J. H. Wilson. 1,793,296; Feb. 17.
Number, House. H. A. Mercer. 1,799,055; Mar. 31.
Number plate for vehicles, Illuminated. C. E. Emery. 1,828,223; Oct. 20.
Numbering head. J. H. Reinhardt. 1,790,442; Jan. 27.
Numbering head. J. H. Reinhardt. 1,797,367; Mar. 24.
Numbering machine. O. E. Conklin, and G. Rocker. 1,814,432; July 14.
Numbering machine. E. E. Phinney. 1,796,046; Mar. 10.
Numbering machine. C. Spielman. 1,798,177; Mar. 31.
Numbering machine, Printer's. C. Spielman. 1,798,176; Mar. 31.
Numbering machines, Attachment for. C. G. Hartsook. 1,796,099; Mar. 10.
Nursery and camp table, Adjustable. A. H. Rice. 1,833,177; Nov. 24.
Nursery table. A. H. Rice. 1,833,178; Nov. 24.
Nursing stand, Universal. C. Aerick. 1,820,420; Aug. 25.
Nut. W. E. Sharp. 1,795,517; Mar. 10.
Nut, Adjustable mill. E. Blasberg. 1,830,922; Nov. 10.
Nut and making the same, Cap. T. Ferry. 1,830,787; Nov. 10.
Nut and pipe wrench. W. S. Stuart. 1,799,622; Apr. 7.
Nut and screw fastening. W. H. Pierce. Re18,229; Oct. 20.
Nut assembly, Ball bearing. C. C. Scharpenberg and L. G. Gates. 1,835,341; Dec. 8.
Nut blanks, Making. S. W. Avis. 1,796,680; Mar. 17.
Nut blanks, Making. L. A. Frayer and C. L. Harvey. 1,829,558; Oct. 27.
Nut blanks, Manufacture of. W. L. Ward. 1,804,579; May 12.
Nut blanks, Manufacturing. W. E. Sharp. 1,794,737; Mar. 3.
Nut-cooking machine. A. G. Deschene. 1,789,428; Jan. 20.
Nutcracker. E. R. Conklin. 1,788,452; Jan. 13.
Nutcracker. H. W. Hubby. 1,813,353; July 7.
Nut cracker. D. O. De Loach. 1,827,643; Oct. 13.
Nutcracker. J. E. Smith. 1,831,723; Nov. 10.
Nutcracker. A. F. B. Starke. Des. 84,117; May 5.
Nutcracker. J. Wiemers. 1,791,992; Feb. 10.
Nutcracker or analogous article. J. T. Skogman and C. L. Hansen. Des. 83,881; Apr. 7.
Nut cracking machine. R. P. Nixon. 1,834,347; Dec. 1.
Nut, Curve threaded. E. Helin. 1,812,785; June 30.
Nut device. A. Simons. 1,813,968; July 14.
Nut, Demountable-rim-securing. W. L. Rockstad. 1,792,711; Feb. 17.
Nut, Die. A. Basola, and F. Nemarnick, 1,803,888; May 5.
Nut, Door spindle lock. F. J. Westrope. 1,821,682; Sept. 1.
Nut for doorchecks and the like, Packing. T. Crabtree. 1,813,443; July 7.
Nut for screws and bolts, Safety. G. T. Cooke. 1,801,264; Apr. 21.
Nut grading machine. W. Gebhardt. 1,808,104; June 2.
Nut, lock. Z. N. Bergman. 1,835,262; Dec. 8.
Nut lock. T. R. Brumfield. 1,812,319; June 30.
Nut lock. G. Cabbage. 1,793,542; Feb. 24.
Nut lock. W. Chaplin. 1,825,050; Sept. 29.
Nut lock. E. Z. Cole. 1,809,620; June 9.
Nut lock. V. G. Cole. 1,837,760; Dec. 22.
Nut, lock. A. d'Halloy. 1,826,777; Oct. 13.
Nut, lock. G. G. Easter. 1,833,563; Nov. 24.
Nut, lock. C. G. Garrard. 1,790,538; Jan. 27.
Nut lock. G. P. Hurst. 1,801,505; Apr. 21.
Nut lock. J. S. Kubacki. 1,804,348; May 5.
Nut lock. J. B. Ladd. 1,801,773; Apr. 21.
Nut lock. J. B. Ladd. 1,821,652; Sept. 1.
Nut lock. M. Laveque. 1,796,207; Mar. 10.
Nut lock. Y. Nagano. 1,816,192; July 28.
Nut, lock. C. G. Olsen. 1,813,947; July 14.
Nut lock. G. Rossetti. 1,813,640; July 7.
Nut, lock. W. E. Saben. 1,829,017; Oct. 27.
Nut lock. W. G. Savidge. 1,806,506; May 19.
Nut lock. A. E. Smith. 1,794,123; Feb. 24.
Nut lock. O. C. Snyder. 1,788,750; Jan. 13.
Nut lock. O. C. Snyder. 1,803,874; May 5.
Nut lock. W. Steinhorst. 1,816,551; July 28.
Nut lock. S. J. Strid. 1,832,060; Nov. 17.
Nut lock. S. O. Taylor. 1,790,493; Jan. 27.
Nut lock. K. Vossloh. 1,818,915; Aug. 11.
Nut, lock. W. Youlten. 1,838,605; Dec. 29.
Nut, locking. P. Lescadieu. 1,792,381; Feb. 10.
Nut machine. G. S. Smith. 1,819,044; Aug. 18.
Nut-making machines, Transfer mechanism for. G. S. Smith. 1,797,449; Mar. 24.
Nut-picking machine. F. A. Coari. 1,795,476; Mar. 10.
Nut picking machine. F. A. Coari. 1,827,736; Oct. 20.
Nut, Screw. L. Micha. 1,804,058; May 5.
Nut, Self holding. A. Sundh. 1,830,918; Nov. 10.
Nut sheller, Pinon. J. G. Baudino. 1,808,744; June 9.
Nut, Split. W. C. Smith. 1,792,329; Feb. 10.
Nut tapping machine. L. A. Safford. 1,833,182; Nov. 24.
Nut wrench. H. A. Woolever. 1,807,080; May 26.
Nut wrench, Automatic. J. V. Larson. 1,830,033; Nov. 3.
Nuts and bolts, Locking. R. J. L. Hildyard. 1,789,176; Jan. 13.
Nuts and bridge washers on valve stems, Assembling. J. A. Fleischli and J. M. Kountzman. 1,807,591; June 2.
Nuts and means therefor, Manufacturing curve threaded. E. Helin. 1,812,205; June 30.
Nuts and other articles, Mechanism for making. R. L. Wilcox. 1,832,168; Nov. 17.
Nuts and the like, Producing castellated. D. Fox. 1,829,215; Oct. 27.
Nuts, Apparatus for making. S. W. Avis and M. H. Ames. 1,796,681; Mar. 17.
Nuts, Apparatus for producing bolt. W. E. Sharp. 1,795,518; Mar. 10.
Nuts, bolt, rivet and screw blanks, and other articles, Making. R. L. Wilcox. 1,832,167; Nov. 17.
Nuts, Coating. H. Rassl. 1,832,737; Nov. 17.
Nuts, Cracking. F. Hayes. 1,787,746; Jan. 6.
Nuts, Forming cap. W. R. Wiley. 1,829,972; Nov. 3.
Nuts, Making. G. C. Easter. 1,794,064; Feb. 24.
Nuts, Making cap. G. A. Vis. 1,805,384; May 12.
Nuts, Manufacturing. F. Lackner 1,793,939; Feb. 24.
Nuts, Packing. T. M. Rector. 1,789,946; Jan. 20.
Nuts, Producing curved thread. E. Helin. 1,812,147; June 30.
Nuts, Self-holding device for. A. Sundh. 1,791,017; Feb. 3.
Nuts, Self holding device for. A. Sundh. 1,830,919–20; Nov. 10.
Nuts to sprinkler bodies, Attaching swivel. L. R. Nelson. 1,800,844; Apr. 14.
Nystagmus, Apparatus for producing. J. Ohm. 1,827,954; Oct. 20.
Oar. G. C. Butler. 1,807,380; May 26.
Oar. E. A. De Noya. 1,824,712; Sept. 22.
Oar and paddle holder and lock. F. L. Matthews. 1,816,334; July 28.
Oar lock. I. J. Goode. 1,788,865; Jan. 13.
Oarlock. O. J. Ramstad. 1,799,440; Apr. 7.
Oat huller. C. M. Johannsen. 1,830,028; Nov. 3.
Oat huller. E. Lorenzen. 1,822,741; Sept. 8.
Oat huller. J. H. Mott. 1,788,686; Jan. 13.
Oat huller. J. H. Mott and C. C. Gray. 1,788,687; Jan. 13.
Oats and like grains, Device for hulling. S. W. Sider. 1,800,160; Apr. 7.
Objective for color photography. A. Oswald. 1,825,122; Sept. 29.
Objects, Fractionally-plating. V. L. Soderberg. 1,794,929; Mar. 3.
Objects, Method of and apparatus for marking. R. B. Crehore. 1,820,880; Aug. 25.
Objects to be reproduced, Method and apparatus for illuminating. E. Weisker. 1,831,152; Nov. 10.
Oboe or similar musical instrument. D. D. Artley, R. Hart, and R. R. Yeoman. 1,801,187; Apr. 14.
Observing system, Service-. R. F. Massonneau. 1,795,656; Mar. 10.
Occlusal gauge. R. L. Beeler. 1,823,184; Sept. 15.
Occlusion surveying machine. J. A. Lindelov. 1,831,390; Nov. 10.
Odometer. C. B. Dinsmore. 1,826,391; Oct. 6.
Odometer. D. Tappan. 1,809,151; June 9.
Odometer. H. A. Tittensor. 1,797,738; Mar. 24.
Odometer mechanism, Ratchet-driven. R. O. Helgeby. 1,798,941; Mar. 31.

Odometer, Ratchet-driven. R. O. Helgeby. 1,788,871; Jan. 13.
Odometer-reset mechanism. R. O. Helgeby. 1,798,942; Mar. 31.
Odorless desiccating method and system. D. D. Peebles. 1,820,986; Sept. 1.
Odors from air, Apparatus for the removal of. A. B. Ray. 1,820,030; Aug. 25.
Offset for log carriers. E. A. Ferris. 1,807,086; May 26.
Oil and gas burner, Combination. F. C. Fantz. 1,799,459; Apr. 7.
Oil and gas from wells, Device for controlling the flow of. E. H. Griswold and J. Nicklos. 1,837,542; Dec. 22.
Oil and gas furnace. R. C. Hopkins. 1,806,463; May 19.
Oil and gas indicator, Electrical. M. E. Cheney. 1,837,113; Dec. 15.
Oil and gas, Separating and flowing. J. P. Walker. 1,823,301; Sept. 15.
Oil and gas separator. A. Lincoln. 1,835,957; Dec. 8.
Oil and gas separator. J. P. Walker. Re17,983; Feb. 24.
Oil and gas separator. J. P. Walker. 1,789,716; Jan. 20.
Oil and gas service stations, Portable. F. P. Steinhauer. Re18,063; May 5.
Oil and gas wells, Control head for. S. T. Peppard. 1,789,771; Jan. 20.
Oil and gas wells under reduced pressure, Operating. W. K. Lewis. 1,812,267; June 30.
Oil and making it, Synthetic drying. A. M. Collins. 1,812,849; June 30.
Oil and making same, Lubricating. C. J. Livingstone and W. A. Gruse. 1,808,853; June 9.
Oil and making the same, Lubricating. H. T. Bennett and L. G. Story. 1,806,735; May 26.
Oil and manufacturing the same, Hydrocarbon. G. H. B. Davis. 1,815,022; July 14.
Oil and producing the same, Drying. I. W. Humphrey. 1,793,220; Feb. 17.
Oil and superheating steam, Heating. J. Primrose. 1,792,925; Feb. 17.
Oil and water, Manufacture of concentrated emulsions of. C. E. Oliver. 1,790,070; Jan. 27.
Oil and water separator. W. M. Little and J. L. Sherman. 1,836,674; Dec. 15.
Oil, Apparatus for catalytically treating hydrocarbon. G. Egloff. 1,810,648; June 16.
Oil, Apparatus for cracking. G. Egloff. 1,821,746; Sept. 1.
Oil, Apparatus for cracking. G. Egloff. 1,832,970; Nov. 24.
Oil, Apparatus for cracking. G. Egloff and H. P. Benner. 1,791,617; Feb. 10.
Oil, Apparatus for cracking. G. Egloff and H. P. Benner. 1,805,614; May 19.
Oil, Apparatus for cracking mineral. A. E. Pew, jr., and H. Thomas. 1,831,424; Nov. 10.
Oil, Apparatus for dehydrating petroleum. H. C. Eddy. 1,838,909; Dec 29
Oil, Apparatus for distilling. R. F. Gildehaus, jr. 1,788,947; Jan. 13.
Oil, Apparatus for refining used. F. O. Krieger. 1,820,871; Aug. 25.
Oil, Apparatus for supplying heated. K. A. Juthe and A. J. Hanson. 1,829,186; Oct. 27.
Oil, Apparatus for treating. W. Yantis. 1,791,695; Feb. 10.
Oil, Apparatus for treating emulsified. F. C. Baker, R. J. Fleckenstein, and L. M. Landman. 1,821,133; Sept. 1.
Oil appliance for sleeve-type of internal combustion engines. R. L. Skinner. 1,821,991; Sept. 8.
Oil as a motor fuel, Method and apparatus for using crude. W. J. Torrance. 1,829,074; Oct. 27.
Oil, Bleaching. B. H. Thurman. 1,790,514; Jan. 27.
Oil burner. H. Barley. 1,830,186; Nov. 3.
Oil burner. G. L. Barnes. 1,793,897; Feb. 24.
Oil burner. C. L. Brown. 1,836,012; Dec. 15.
Oil burner. J. M. Brown. 1,799,725; Apr. 7.
Oil burner. F. O. Cole. 1,799,355; Apr. 7.
Oil burner. R. W. De Lancey. 1,837,763; Dec. 22.
Oil burner. L. J. Fisher. 1,821,752; Sept. 1.
Oil burner. J. Good. 1,787,743; Jan. 6.
Oil burner. J. Good. 1,818,616; Aug. 11.
Oil burner. A. E. Grant. 1,828,183; Oct. 20.
Oil burner. W. S. Grant. 1,800,726; Apr. 14.
Oil burner. W. S. Grant. 1,835,297; Dec. 8.
Oil burner. H. H. Hardinge. 1,792,222; Feb. 10.
Oil burner. J. J. Haskin. 1,825,230; Sept. 29.
Oil burner. W. O. Heck. 1,838,397; Dec. 29.
Oil burner. F. E. Herr. 1,820,801; Aug. 25.
Oil burner. R. C. Hopkins. 1,789,977; Jan. 27.
Oil burner. T. W. Hunter. 1,815,374; July 21.
Oil burner. H. A. Kunitz. 1,832,131; Nov. 17.
Oil burner. H. L. Le Daum and L. C. Sturgis. 1,827,294; Oct. 13.
Oil burner. C. M. Loepfe. 1,821,654; Sept. 1.
Oil burner. H. Miller. 1,820,758; Aug. 25.
Oil burner. C. J. Ohlsson. 1,822,540; Sept. 8.
Oil burner. W. H. Pascoe. 1,818,748; Aug. 11.
Oil burner. A. V. Pickering. 1,831,321; Nov. 10.
Oil burner. A. P. Plaut. 1,808,569; June 2.
Oil burner. S. M. Pyankow. 1,813,083; July 7.
Oil burner. D. B. Roberts. 1,834,255; Dec. 1.
Oil burner. R. J. Roberts. 1,791,285; Feb. 3.
Oil burner. H. C. Robinson. 1,815,116; July 21.
Oil burner. F. A. Schneider. 1,800,476; Apr. 14.
Oil burner. W. H. Sheppard. 1,788,495; Jan. 13.
Oil burner. T. B. Stillman. 1,830,773; Nov. 10.
Oil burner. J. S. String. 1,791,854; Feb. 10.
Oil burner. W. B. Sturgis. 1,806,566; May 19.
Oil burner. S. Takimizu and H. Idemitsu. 1,811,371; June 23.
Oil burner. K. Townsend and R. Hill. 1,810,689; June 16.
Oil burner. M. Tudorov. 1,803,414; May 5.
Oil burner. P. G. Vetter. 1,823,012; Sept. 15.
Oil burner. L. T. Wilcox. 1,829,027; Oct. 27.
Oil burner. L. T. Wilcox. 1,834,326; Dec. 1.
Oil burner. S. Wineler. 1,797,537; Mar. 24.
Oil burner, Automatic. J. Good. 1,834,396; Dec. 1.
Oil burner boiler. D. C. Woodward. 1,809,920; June 16.
Oil burner, Fuel-. L. S. Chadwick, M. Resek, and J. A. Dahlstrom. 1,788,148; Jan. 6.
Oil burner, Fuel. A. W. Gearhart. 1,827,390; Oct. 13.
Oil burner regulator, Automatic. B. C. Moxley. 1,806,080; May 19.
Oil-burner, Thermostatically controlled. D. H. Hill. 1,824,890; Sept. 29.
Oil, Burning. W. L. Coultas. 1,832,280; Nov. 17.
Oil burning apparatus. J. L. Breese, jr. Re18,299; Dec. 22.
Oil burning apparatus. J. M. Duggan and H. A. Neder. 1,822,518; Sept. 8.
Oil-burning apparatus, Gas pilot for. A. J. Frame. 1,789,973; Jan. 27.
Oil burning heater. A. C. Bryan. 1,829,125; Oct. 27.
Oil burning mechanism, Electrically operated and controlled. W. W. Williams. 1,817,051; Aug. 4.
Oil burning system. D. P. Graham and J. M. Ferry, jr. 1,824,952; Sept. 29.
Oil burning system. J. P. Leask. 1,822,047; Sept. 8.
Oil-burning system, Automatic safety. J. B. Hoff. 1,799,902; Apr. 7.
Oil, Cable. W. Claypoole. 1,807,060; May 26.
Oil can. E. Coburn. 1,791,885; Feb. 10.
Oil can. F. C. Lindsey. 1,792,020; Feb. 10.
Oil can. D. L. Robbins. 1,821,480; Sept. 1.
Oil can. J. J. Voisine. Des. 85,355; Oct. 13.
Oil can, Extension-spout. M. L. Baker. 1,797,676; Mar. 24.
Oil can, Illuminated. J. F. Pickens. 1,800,153; Apr. 7.
Oil cellar for driving boxes. H. W. Coddington. 1,806,594; May 26.
Oil cleaner. C. E. Summers. 1,837,687; Dec. 22.
Oil composition. P. I. Murrill. 1,789,927; Jan. 20.
Oil composition and inhibiting oxidation thereof. T. H. Rogers. 1,805,458; May 12.
Oil composition and process of retarding development of rancidity therein. T. H. Rogers. 1,826,258; Oct. 6.
Oil composition, etc. P. I. Murrill, and W. W. Evans. 1,789,926; Jan. 20.
Oil compositions, Mineral. W. W. Evans. 1,832,929; Nov. 24.
Oil control. R. T. Williams. 1,817,282; Aug. 4.
Oil conversion, Apparatus for hydrocarbon. O. H. Fairchild. 1,811,621; June 23.
Oil conversion, Hydrocarbon-. C. B. Dubbs. 1,799,218; Apr. 7.
Oil conversion, Hydrocarbon. G. Egloff. 1,821,748; Sept. 1.
Oil conversion, Hydrocarbon. O. H. Fairchild. 1,832,975; Nov. 24.
Oil conversion, Hydrocarbon. J. C. Morrell and W. F. Faragher. 1,810,673; June 16.
Oil conversion, Hydrocarbon. J. C. Morrell and W. F. Faragher. 1,827,899; Oct. 20.
Oil, Conversion of high boiling hydrocarbon. W. E. Warwick. 1,830,972; Nov. 10.
Oil conversion, Process and apparatus for hydrocarbon. L. C. Huff. 1,806,063; May 19.
Oil conversion, Process and apparatus for hydrocarbon. C. J. Pratt. 1,827,107; Oct. 13.
Oil, Converting hydrocarbon. G. Egloff and J. C. Morrell. 1,791,618; Feb. 10.
Oil, Converting petroleum. G. Egloff. 1,822,924; Sept. 15.
Oil, Converting petroleum. W. R. Howard. 1,791,622; Feb. 10.
Oil cooling. E. Sieder. 1,815,932; July 28.
Oil, Cracking. C. P. Dubbs. 1,839,020; Dec. 29.
Oil, Cracking. G. Egloff. 1,821,747; Sept. 1.
Oil, Cracking. G. Egloff. 1,821,749–50; Sept. 1.
Oil, Cracking. R. T. Pollock. 1,799,530; Apr. 7.
Oil, Cracking. C. L. Smith. 1,822,753; Sept. 8.
Oil, Cracking. F. C. Vande Water. 1,788,933; Jan. 13.
Oil, Cracking hydrocarbon. J. D. Seguy. 1,832,819–20; Nov. 17.
Oil, Cracking mineral. A. E. Pew, jr., and H. Thomas. 1,825,976–7; Oct. 6.
Oil, Cracking of. E. C. Herthel. 1,833,162; Nov. 24.
Oil, Cracking petroleum. A. D. Davis. 1,827,073; Oct. 13.
Oil, Cracking petroleum. L. Kirschbraun. 1,832,986; Nov. 24.
Oil, Cutting. O. E. Cushman and T. W. Doell. 1,806,933; May 26.
Oil, Dehydrating and purifying. A. E. Pew, jr. 1,833,618–19; Nov. 24.
Oil, Dehydration of emulsified. J. C. Morrell. 1,827,714; Oct. 13.
Oil, Desulphurization and purification of hydrocarbon. J. C. Morrell. 1,827,537; Oct. 13.

Oil, Dewaxing. S. W. Ferris. 1,816,367; July 28.
Oil, Dewaxing. L. D. Jones. 1,806,570; May 19.
Oil-discharge heater. R. S. Lane. 1,799,379; Apr. 7.
Oil dispensing can, Self closing. J. S. Boylan. 1,837,198; Dec. 22.
Oil dispensing device. R. C. Shand. 1,803,359; May 5.
Oil dispensing mechanism. G. H. Hartman. 1,830,697; Nov. 3.
Oil dispensing system, Hydraulic. W. Sautter. 1,802,672; Apr. 28.
Oil, Distillation and cracking of. W. Mendius. 1,836,181; Dec. 15.
Oil distillation and cracking, Tube still for. H. Thomas. 1,788,213; Jan. 6.
Oil distillation apparatus. E. C. D'Yarmett. 1,831,906; Nov. 17.
Oil, Distillation of. J. E. Bell. 1,795,070; Mar. 3.
Oil emulsion and suspension for medical purposes and manufacturing the same, Water. C. B. Strauch. 1,791,878; Feb. 10.
Oil engine. F. G. Hehr. 1,798,260; Mar. 31.
Oil engine. F. Huber. 1,826,788; Oct. 13.
Oil engine. E. A. Sperry. 1,788,412; Jan. 13.
Oil extracting device. A. Strandell. 1,820,291; Aug. 25.
Oil extracting device. A. Strandell. 1,835,355; Dec. 8.
Oil-feed cup. H. B. Morrow. 1,800,897; Apr. 14.
Oil feeder and producing the same, Wood. J. C. Sharp. 1,804,235; May 5.
Oil feeding and regulating device for oil burners. W. R. Ray. 1,791,012; Feb. 3.
Oil fields, Developing. H. L. Doherty. 1,787,972–3; Jan. 6.
Oil fields, Treating. P. J. Spindler. 1,826,371; Oct. 6.
Oil filter. H. E. Tyler. 1,821,082; Sept. 1.
Oil filtering and lubricating system. L. B. Ellis. 1,820,382; Aug. 25.
Oil filtering and refining means. L. Harvey. 1,805,450; May 12.
Oil for cracking distillation, Process of and apparatus for heating. C. B. Buerger. 1,838,211; Dec. 29.
Oil for distillation, Heating. R. F. Gildehaus, jr. 1,834,696; Dec. 1.
Oil for distillation into lubricating oils, Preparing crude. A. E. Pew, jr. 1,833,691; Nov. 24.
Oil fractionating apparatus. C. L. Smith and C. B. Watson. 1,811,189; June 23.
Oil fractionating apparatus. C. L. Smith and C. B. Watson. 1,822,755; Sept. 8.
Oil from a well, Device for pumping. P. G. Sherry. 1,835,437; Dec. 8.
Oil from bleaching clay, Separation of. J. K. Pfaff and A. Siewecke. 1,827,165; Oct. 13.
Oil from oil sands, Recovering. G. W. Coggeshall. 1,822,271; Sept. 8.
Oil from olives and other fruits, Removing. H. Bernier. 1,800,336; Apr. 14.
Oil from seeds, Extracting culinary. D. E. Moldowan. 1,829,961; Nov. 3.
Oil from sludge, Salvaging. H. C. Eddy. 1,826,276; Oct. 6.
Oil from spent fuller's earth, Recovery of. C. Ellis. 1,828,035; Oct. 20.
Oil from the earth by mining operations, Recovery of. L. Ranney. 1,812,305; June 30.
Oil from water, Device for separating. J. S. Adams. 1,831,473; Nov. 10.
Oil from water in oil mixture, Purifying and recovering. J. H. Holden and J. C. Whetzel. 1,790,748; Feb. 3.
Oil, Fuel. S. H. Diggs. 1,823,594; Sept. 15.
Oil fuel, Heavy. N. E. Loomis. 1,820,983; Sept. 1.
Oil gas apparatus. D. Balachowsky and P. Caire. 1,809,187; June 9.
Oil gas, Apparatus for generating. A. B. Mast. 1,829,663; Oct. 27.
Oil gas burner. G. M. Kerribard and M. L. Kerrihard. 1,832,220; Nov. 17.
Oil-gas generator. E. Rector. 1,799,247; Apr. 7.
Oil gas, Making. E. A. Dieterle. 1,798,372; Mar. 31.
Oil gas, Making. P. Hahn. 1,788,055; Jan. 6
Oil-gas making. F. J. Nolan. 1,790,166; Jan. 27.
Oil gas, manufacturing. F. J. Nolan. 1,796,299; Mar. 17.
Oil gauge. W. R. Lawson. 1,813,244; July 7.
Oil gauge B. Wood. 1,788,265; Jan. 6
Oil gauge, Crank case. G. E. and L. S. Thomas. 1,837,240; Dec. 22.
Oil having tar and asphalt content, Treating crude. W. S. Baylis. 1,788,653; Jan. 13.
Oil heater. P. M. Klein. 1,819,181; Aug. 18.
Oil heater. C. R. Wagner. 1,805,607; May 19.
Oil heater, Crank case. J. H. Hughes. 1,823,048; Sept. 15.
Oil heater, Tubular. A. L. Christy. 1,830,505; Nov. 3.
Oil, Heating. R. P. Brown. 1,833,153; Nov. 24.
Oil in internal combustion engines of the injection type, Apparatus for feeding heavy crude. G. Meyer. 1,819,474; Aug. 18.
Oil-injection apparatus for internal-combustion engines. E. Frey. 1,788,288; Jan. 6.
Oil-level gauge. M. E. Cheney. 1,796,000; Mar. 10.
Oil level gauge. M. E. Cheney. 1,810,818; June 16.
Oil level indicating apparatus. J. F. Chappell. 1,813,382; July 7.
Oil loss preventing device. J. Moreau. 1,811,588; June 23.
Oil, Lubricant, W. J. McGill. 1,837,279; Dec. 22.
Oil, Lubricant. F. W. Sullivan, jr. 1,789,026; Jan. 13.
Oil, Lubricating. H. T. Bennett, L. G. Story, and H. B. Beckley. 1,806,734; May 26.
Oil, Making linseed. R. H. Adams and B. H. Thurman. 1,790,494; Jan. 27.
Oil, Making lubricating. J. C. Black, W. D. Rial, and J. R. McConnell. 1,839,012; Dec. 29.
Oil, Making lubricating. W. T. Bryant. 1,812,924; July 7.
Oil, Manufacturing lubricating. E. M. Clark. 1,820,963; Sept. 1.
Oil material, Treating mineral. H. Behm. 1,813,882; July 7.
Oil material, Treating of mineral. H. Behm. 1,813,884; July 7.
Oil-measuring device. J. A. Miller. 1,792,464; Feb. 10.
Oilmeter. E. R. Erickson. 1,803,694; May 5.
Oil, Method and apparatus for rapidly draining crank case. E. J. Sweetland. 1,815,221; July 21.
Oil, Method of and apparatus for burning. I. C. Jennings. 1,803,190; Apr. 28.
Oil, Method of and apparatus for recovering. L. Ranney. 1,811,560; June 23.
Oil, Method of and apparatus for treating crude. H. Hoppe. 1,818,480; Aug. 11.
Oil mill. R. C. Hopkins. 1,796,104; Mar. 10.
Oil mist, Apparatus for producing a lubricating. O. R. Gronkwist. 1,824,540; Sept. 22.
Oil mixture, Production of a cineol-containing. S. Skraup and O. Hirschler. 1,838,456; Dec. 29.
Oil mixtures and making same, Stable homogeneous nitrocellulose drying. J. E. Booge. 1,825,773; Oct. 6.
Oil motor, Self igniting. F. Lang. 1,803,262; Apr. 28.
Oil of black pigment consisting of carbon, Process and apparatus for the production from hydrocarbon. A. L. Miller. 1,807,321; May 26.
Oil of good nonsmoke rating, Hydrocarbon. C. I. Robinson. 1,809,183; June 9.
Oil of the Pennsylvania type, Treating crude. W. S. Baylis. 1,788,654; Jan. 13.
Oil pan, Crank case. R. C. Stolte. 1,802,847; Apr. 28.
Oil, Prediluted lubricating. R. E. Wilson. 1,831,053; Nov. 10.
Oil, Pressure gauge. E. T. Harris. 1,804,981; May 12.
Oil pressure in high tension electric cables. Maintaining. L. Emanueli. 1,809,927; June 16.
Oil-pressure regulating device for upholding an even speed of machines. R. Proell. 1,822,667; Sept. 8.
Oil, Process and apparatus for converting. C. P. Dubbs. 1,839,018; Dec. 29.
Oil, Process and apparatus for cracking. L. C. Huff. 1,839,031; Dec. 29.
Oil, Process and apparatus for cracking. L. Kirschbraun. 1,805,628; May 19.
Oil, Process and apparatus for cracking. R. T. Pollock. 1,835,809; Dec. 8.
Oil, Process of and apparatus for distilling. H. N. Lyons. 1,820,573; Aug. 25.
Oil, Process and apparatus for distilling. R. T. Pollock. 1,835,810; Dec. 8.
Oil, Process and apparatus for treating hydrocarbon. R. T. Pollock. 1,828,440; Oct. 20.
Oil products, Pressure distilled. V. Voorhees and E. J. Shaeffer. 1,810,632; June 16.
Oil purification. L. H. Clark. 1,788,911; Jan. 13.
Oil. Purification of. L. H. Clark. 1,823,087; Sept. 15.
Oil-purification process. F. M. Clark and A. T. Harding. 1,798,968; Mar. 31.
Oil purifier. J. L. Green. 1,818,476; Aug. 11.
Oil purifier and dilution remover. A. M. Babitch. 1,806,553; May 19.
Oil purifying system. D. E. Pierce. 1,816,294; July 28.
Oil purifying system for internal combustion engines. R. Ragan. 1,818,429; Aug. 11.
Oil. Purifying used crank case. D. S. Belden. 1,823,185; Sept. 15.
Oil. Purifying vegetable. W. S. Baylis. 1,818,452; Aug. 11.
Oil reclaiming mechanism. L. B. Ellis and F. M. Holden. 1,816,573; July 28.
Oil, Reclaiming spent. W. Stutler. 1,838,718; Dec. 29.
Oil reclamation. L. D. Grisbaum. 1,791,473; Feb. 3.
Oil, Reconditioning. J. G. Ford. 1,818,218; Aug. 11.
Oil. Recovering. C. T. Harding and J. C. Whetzel. 1,826,349; Oct. 6.
Oil-rectifying device. H. G. Kamrath. 1,792,843; Feb. 17.
Oil, Refined viscous hydrocarbon. T. H. Rogers. 1,793,184–5; Feb. 17.
Oil, Refining. A. P. Bjerregaard. 1,791,521; Feb. 10.
Oil refining. C. L. Henderson. 1,828,466; Oct. 20.
Oil, Refining. A. E. Pew, jr. 1,799,640; Apr. 7.
Oil refining apparatus. C. H. Leach. 1,821,347; Sept. 1.
Oil, Refining hydrocarbon. A. L. Lyman. 1,818,488; Aug. 11.
Oil-refining process and apparatus. I. B. Funk. 1,789,173; Jan. 13.
Oil refining system. D. Pyzel. 1,811,645; June 23.
Oil removing apparatus. M. P. R. Jourdain. 1,824,485; Sept. 22.
Oil retainer. H. A. Clark. 1,807,569; May 26.
Oil retaining dip. H. A. Mead. 1,837,825; Dec. 22.
Oil sampler. E. G. Friedman. 1,816,726; July 28.
Oil sand bit. W. O. Scott. 1,824,238; Sept. 22.

Oil sands, Apparatus for testing. J. C. Hampton and E. D. Shell. 1,828,838; Oct. 27.
Oil sands, Method and apparatus for working. C. F. Jackson. 1,804,692; May 12.
Oil sands, Working. L. Ranney. 1,811,561; June 23.
Oil saver. C. F. Rigby. 1,796,724; Mar. 17.
Oil saver, Safety. W. A. Loomis. 1,809,175; June 9.
Oil saving attachment for wells. E. G. Reighner. 1,836,130; Dec. 15.
Oil saving device. F. Siefken. 1,805,344; May 12.
Oil seal. H. A. Clark. 1,807,567–8; May 26.
Oil, Separation of. A. B. Jones. 1,824,780; Sept. 29.
Oil separation, Refrigeration. G. W. Watts. 1,830,863; Nov. 10.
Oil separator, Automatic. J. P. Walker. 1,789,612; Jan. 20.
Oil smelting furnace, Down-blast. M. S. Rogers. 1,799,643; Apr. 7.
Oil soluble material and product thereof, Producing. H. Behm. 1,813,886; July 7.
Oil, Sulphonating mineral. L. D. Myers. 1,824,615; Sept. 22.
Oil switch. A. H. Gibson. 1,790,642; Feb. 3.
Oil switch. A. F. C. Lotz. 1,790,275; Jan. 27.
Oil switch. J. Rah. 1,811,805; June 23.
Oil switch, High voltage. F. Houšt. 1,833,678; Nov. 24.
Oil tank cleaning device. P. M. Erdman. 1,821,503; Sept. 1.
Oil tank gauge. J. E. McNeil. 1,817,457; Aug. 4.
Oil, Temperature control for crank-case. F. A. Mettler. 1,788,117; Jan. 6.
Oil, Transformer. C. R. McCullough and R. L. Jenkins. 1,836,180; Dec. 15.
Oil, Treating. O. Behimer. 1,835,748; Dec. 8.
Oil, Treating. L. Caldwell. 1,802,628; Apr. 28.
Oil, Treating. A. R. Haysel. 1,822,888; Sept. 15.
Oil, Treating crude. K. W. Hickey. 1,789,233; Jan. 13.
Oil, Treating emulsified hydrocarbon. G. Egloff and H. P. Benner. 1,839,090; Dec. 29.
Oil, Treating hydrocarbon. R. E. Manley. 1,792,234; Feb. 10.
Oil, Treating hydrocarbon. J. D. Seguy. 1,812,308; June 30.
Oil, Treating hydrocarbon. W. M. Stratford. 1,823,994; Sept. 22.
Oil, treating hydrocarbon, Apparatus for. G. Egloff and H. P. Benner. 1,806,619; May 26.
Oil, Treating petroleum. G. Egloff and J. C. Morrell. 1,805,616; May 19.
Oil treatment, Hydrocarbon-. J. B. Heid. 1,799,231; Apr. 7.
Oil treatment, Hydrocarbon. D. Pyzel. 1,811,646; June 23.
Oil, Treatment of petroleum. J. T. Giron. 1,835,998; Dec. 8.
Oil vaporizer, Fuel. C. W. Schuddig. 1,803,213; Apr. 28.
Oil vapors into vapor phase, Cracking. J. B. Weaver and C. R. Wagner. 1,818,513; Aug. 11.
Oil well cleaner. G. E. Newlin. 1,802,525; Apr. 28.
Oil well counterbalance, Adjustable. A. L. Segelhorst and O. Stricklen. 1,808,010; June 2.
Oil well device. L. B. MacGregor. 1,802,612; Apr. 28.
Oil well heater. J. W. Ingison and A. Le Sueur. 1,835,400; Dec. 8.
Oil well regulation device. J. F. Ryan. 1,812,986; July 7.
Oil well tester. H. F. Cameron. 1,814,894; July 14.
Oil wells, Closing. A. J. Gallaher. 1,822,141; Sept. 8.
Oil wells, Method and apparatus for operating. W. J. Torrance. 1,790,450; Jan. 27.
Oil with aluminum chloride, Apparatus for treating. F. W. Hall. 1,832,629; Nov. 17.
Oil with a metallic halide, Process and apparatus for continuous treatment of hydrocarbon. R. W. Hanna. 1,801,627; Apr. 21.
Oil with metallic halides, Treating hydrocarbon. J. L. Cooley. 1,795,761; Mar. 10.
Oil with removal of tar, Method and apparatus for cracking. L. Link. 1,833,650; Nov. 24.
Oiler. J. F. Martin and F. E. Watts. 1,807,340; May 26.
Oiler, Air line. C. C. Hansen. 1,828,185; Oct. 20.
Oiler, Air line. E. B. Lear. 1,822,100; Sept. 8.
Oiler, Air-line. F. M. Slater. 1,788,033; Jan. 6.
Oiler, Automatic crank pin. M. Sorenson. 1,804,236; May 5.
Oiler, Automatic rail and wheel-flange. G. E. Whitmore, sr. 1,792,342; Feb. 10.
Oiler, Car-journal. F. Radcliffe. 1,789,498; Jan. 20.
Oiler, Floor. J. F. King. 1,795,218; Mar. 3.
Oiler for journal bearings, Automatic. H. E. Anderson. 1,832,956; Nov. 24.
Oiler, Forced feed pump hand. C. A. Scott. 1,830,295; Nov. 3.
Oiler, Hand. E. F. Berg. 1,838,735; Dec. 29.
Oiler, Hand. S. O. Paull. 1,816,792; July 28.
Oiler, Leaf spring. W. Grus, jr. 1,805,242; May 12.
Oiler, Pump type. F. L. V. Spring. 1,828,479; Oct. 20.
Oiler, Roller contact. A. J. Sams. 1,824,302; Sept. 22.
Oiler, Spring. E. E. Cronenweth and C. G. Hamer. 1,803,748; May 5.
Oiler, Stock. H. N. Vaughan. 1,817,449; Aug. 4.
Oiler, Wheel flange. P. H. Hamilton. 1,810,764; June 16.
Oiling apparatus for edger arbors, Positive regulated. W. R. Carlson. 1,810,755; June 16.
Oiling device. C. C. Hansen. 1,822,092; Sept. 8.
Oiling device. J. S. London and C. B. McCarty. 1,807,484; May 26.
Oiling device. C. D. Stewart. 1,816,096; July 28.
Oiling device for wedges and jaws for journal boxes. J. W. T. Elliot. 1,832,451; Nov. 17.
Oiling device, Rail-. E. G. Metz. 1,800,464; Apr. 14.
Oiling system. R. E. Sagle. 1,789,195; Jan. 13.
Oiling system for internal combustion engines, Piston and cylinder. J. Clement. 1,816,516; July 28.
Oiling system for sewing machines. N. V. Christensen. 1,788,859; Jan. 13.
Oiling system for sewing machines. N. V. Christensen. 1,825,506; Sept. 29.
Oils and apparatus therefor, Distilling hydrocarbon. W. H. Bahlke. 1,822,607; Sept. 8.
Oils and apparatus therefor, Pyrogenetic decomposition of. H. Sydnor. 1,809,185; June 9.
Oils and fats, Bleaching mineral. W. Posth and F. Besemann. 1,788,204; Jan. 6.
Oils and producing same, Core. E. H. McArdle. 1,822,411; Sept. 8.
Oils and product thereof, Treating. J. S. Long. 1,818,073; Aug. 11.
Oils and products thereof, Treating. H. Behm. 1,813,885; July 7.
Oils and spirits and to the storage tanks therefor, Storage of. C. H. L. Wilkins. 1,836,420; Dec. 15.
Oils and waxes from liquid oils and similar materials, Removal of solid. C. V. Zoul. 1,831,433; Nov. 10.
Oils, Apparatus for batch distillation of mineral. H. S. Bell. 1,836,061; Dec. 15.
Oils, Apparatus for cracking. R. T. Pollock. 1,804,028; May 5.
Oils, Apparatus for cracking hydrocarbon. D. A. Dean. 1,835,383; Dec. 8.
Oils, Apparatus for cracking hydrocarbon. G. Egloff and H. P. Benner. 1,835,765; Dec. 8.
Oils, Apparatus for distilling. J. R. Schonberg. 1,791,937; Feb. 10.
Oils, Apparatus for extracting. C. J. Bleil. 1,791,398; Feb. 3.
Oils, Apparatus for reclaiming contaminated. H. H. Moreton. 1,831,875; Nov. 17.
Oils, Apparatus for reclaiming lubricating. W. Schwalge. 1,834,654; Dec. 1.
Oils, Apparatus for reclaiming waste lubricating. S. Pipkin. 1,798,031; Mar. 24.
Oils, Apparatus for testing lubricating. J. H. Gonder. 1,825,725; Oct. 6.
Oils, Apparatus for treating. H. P. Benner. 1,839,010; Dec. 29,
Oils, Apparatus for treating, distilling, and decomposing hydrocarbon. H. T. Darlington. 1,813,117; July 7.
Oils, Apparatus for treating hydrocarbon. E. E. Stewart 1,798,338; Mar. 31.
Oils by filtration through paper, Decolorizing. W. S. Baylis. 1,825,300; Sept. 29.
Oils, Cleansing or filtering lubricating. F. R. Simms and B. C. Joy. 1,806,001–2; May 19.
Oils, Converting. N. E. Loomis and L. Burgess. 1,822,862; Sept. 8.
Oils, Converting hydrocarbon. L. Burgess. 1,822,861; Sept. 8.
Oils, Converting hydrocarbon. C. P. Dubbs. 1,803,962; May 5.
Oils, Converting hydrocarbon. J. C. Morrell and H. P. Benner. 1,811,642; June 23.
Oils, Cracking. J. C. Black. 1,806,037; May 19.
Oils, Cracking. C. P. Dubbs. 1,839,017; Dec. 29.
Oils, Cracking. L. J. Gary. 1,839,024; Dec. 29.
Oils, Cracking. H. J. Halle. 1,835,774; Dec. 8.
Oils, Cracking. F. Hofmann and C. Wulff. 1,791,562; Feb. 10.
Oils, Cracking. F. Winkler and C. Messerknecht. 1,838,893; Dec. 29.
Oils, Cracking and coking hydrocarbon. H. L. Pelzer. 1,831,719; Nov. 10.
Oils, Cracking hydrocarbon. G. Egloff and H. P. Benner. 1,832,927–8; Nov. 24.
Oils, Cracking hydrocarbon. E. W. Isom. 1,807,241–2; May 26.
Oils, Cracking hydrocarbon. E. W. Isom. 1,814,700; July 14.
Oils, Cracking hydrocarbon. J. D. Seguy. 1,831,974; Nov. 17.
Oils, Decolorizing. R. C. Osterstrom. 1,811,185; June 23.
Oils, Decolorizing acetone and methylene. J. Lichtenberger. 1,801,965; Apr. 21.
Oils, Decolorizing hydrocarbon. H. Lowery and R. S. Lane. 1,813,628; July 7.
Oils, Distillation of hydrocarbon. G. W. Watts. 1,831,051; Nov. 10.
Oils, Distillation of mineral. J. V. E. Dickson. 1,815,128; July 21.
Oils, Distillation of mineral. W. A. Peters, jr. 1,815,129; July 21.
Oils, Distilling. P. C. Keith, jr. 1,838,769; Dec. 29.
Oils, Distilling hydrocarbon. G. Cash. 1,788,982; Jan. 13.
Oils, Distilling hydrocarbon. P. L. Krauel. 1,789,004; Jan. 13.

Oils, Extraction of. E. E. Reid. 1,802,533; Apr. 28.
Oils, fats, and waxes, and the product resulting therefrom, Process of and composition for bleaching. J. E. Rutzler, jr., V. R. Kokatnur, and P. E. Rollhaus. 1,838,707; Dec. 29.
Oils, Filtering and decolorizing. D. W. Grant. 1,806,876; May 26.
Oils for the production of light oils by the employment of metallic halides, Treating heavy. W. H. Shiffler. 1,819,006; Aug. 18.
Oils, Fractional extraction of mineral. S. W. Ferris. 1,788,669; Jan. 13.
Oils from lemons and other fruits of trees of the genus citrus, Recovery of essential. A. H. Bennett. 1,814,888; July 14.
Oils from mineral oils, Recovering and purification of lubricating. F. X. Gover. 1,802,942; Apr. 28.
Oils from mixtures with solid substances, Separation of. M. Pier, R. Wietzel, and B. Engel. 1,794,865; Mar. 3.
Oils, Heating. L. de Florez. 1,808,343; June 2.
Oils, Increasing the viscosity and improving the lubricating properties of. W. Pungs and E. Frese. 1,787,951; Jan. 6.
Oils in vapor phase, Converting. C. R. Wagner. 1,811,194; June 23.
Oils, Manufacture of highly sulphonated. W. Seck. 1,804,183; May 5.
Oils, Method and apparatus for fractionating hydrocarbon. F. W. Hall. 1,823,897; Sept. 22.
Oils, Method of and apparatus for reclaiming. L. D. Grisbaum. 1,791,474; Feb. 3.
Oils or fatty matters, Sulphonation of. H. Bertsch. 1,816,071; July 28.
Oils or their distillates by distillation under pressure, Process and apparatus for cracking hydrocarbon. S. Stransky and F. Hansgirg. 1,828,691; Oct. 20.
Oils, Polymerization of drying. W. L. Badger. 1,811,290; June 23.
Oils, Pressure still for cracking. D. A. Young. 1,788,006; Jan. 6.
Oils, Prevention of the development of rancidity in vegetable. H. J. Tattersall. 1,828,708; Oct. 20.
Oils, Process and apparatus for converting hydrocarbon. L. Kirschbraun. 1,832,985; Nov. 24.
Oils, Process and apparatus for cracking. E. T. Earnest. 1,836,910; Dec. 15.
Oils, Process and apparatus for cracking petroleum. D. G. Brandt. 1,791,114; Feb. 3.
Oils, Process and apparatus for producing low boiling point hydrocarbon. C. P. Dubbs. 1,811,308–9; June 23.
Oils, Process and apparatus for refining. C. W. Stratford. 1,812,612; June 30.
Oils, Process and apparatus for treating. C. P. Dubbs. 1,820,125; Aug. 25.
Oils, Process and apparatus for treating. R. T. Pollock. 1,839,049; Dec. 29.
Oils, Process of and apparatus for treating. C. B. Buerger. 1,796,138; Mar. 10.
Oils, Producing lubricating. E. R. Lederer. 1,803,941; May 5.
Oils, Purification of benzenoid hydrocarbon. P. Damm. 1,817,804; Aug. 4.
Oils, Purification of hydrocarbon. C. P. Dubbs. 1,787,570; Jan. 6.
Oils, Purification of lubricating. R. A. Wischin. 1,792,882; Feb. 17.
Oils, Purification of petroleum. K. T. Steik. 1,791,941; Feb. 10.
Oils, Purification of tar acid bearing. S. P. Burke. 1,823,558; Sept. 15.
Oils, Purification of tar-acid-bearing. S. Caplan. 1,799,780; Apr. 7.
Oils, Purification of tar acid-bearing. S. Caplan. 1,822,842; Sept. 8.
Oils, Purifying. H. H. Moreton. 1,828,430; Oct. 20.
Oils, Quenching. H. Rodman. 1,818,431; Aug. 11.
Oils, Reclaiming contaminated. H. H. Moreton. 1,828,428; Oct. 20.
Oils, Reclaiming contaminated. H. H. Moreton. 1,831,876; Nov. 17.
Oils, Refining. J. C. Black. 1,832,892; Nov. 24.
Oils, Refining. W. T. Bryant. 1,812,923; July 7.
Oils, Refining. A. R. Moorman and I. C. Carpenter. 1,809,862; June 16.
Oils, Refining crude mineral. W. S. Zehrung. 1,836,947; Dec. 15.
Oils, Refining hydrocarbon. A. Iachman. 1,809,170; June 9.
Oils, Refining hydrocarbon. A. G. Peterkin, jr. 1,810,369; June 16.
Oils, Refining hydrocarbon. A. S. Ramage. 1,796,621; Mar. 17.
Oils, Refining and purification of hydrocarbon. J. C. Morrell. 1,799,431; Apr. 7.
Oils, Refining and purifying hydrocarbon. A. Richter and W. Schäfer. 1,814,410; July 14.
Oils, Refining lubricating. J. C. Black and W. D. Rial. 1,787,505; Jan. 6.
Oils, Refining lubricating. W. D. Rial. 1,816,872; Aug. 4.
Oils, Refining mineral. A. Lachman. 1,790,622; Jan. 27.
Oils, Refining mineral. M. Teplitz. 1,801,213; Apr. 14.
Oils, Refining of petroleum. J. C. Morrell. 1,839,114; Dec. 29.
Oils, Sulphurized. E. W. Adams. 1,824,523; Sept. 22.
Oils to recover constituents thereof in liquid form, Methods of and apparatus for dehydrating and distilling heavy hydrocarbon. A. S. Knowles. 1,789,312; Jan. 20.
Oils to remove suspended impurities, Treating. H. H. Moreton. 1,828,429; Oct. 20.
Oils, Treating. C. P. Dubbs. 1,828,398; Oct. 20.
Oils, Treating. T. J. Fairley. 1,831,105; Nov. 10.
Oils, Treating. W. M. Stratford. 1,807,183; May 26.
Oils, Treating hydrocarbon. J. C. Black and M. L. Chappell. 1,810,068; June 16.
Oils, Treating hydrocarbon. O. C. Brewster and W. M. Perry. 1,830,925; Nov. 10.
Oils, Treating hydrocarbon. R. J. Dearborn and W. R. Holmes. 1,815,050; July 21.
Oils, Treating hydrocarbon. G. Egloff and H. P. Benner. 1,827,883; Oct. 20.
Oils, Treating hydrocarbon. W. K. Holmes. 1,804,933; May 12.
Oils, Treating hydrocarbon. R. E. Manley. 1,825,324; Sept. 29.
Oils, Treating hydrocarbon. W. M. Stratford. 1,792,877; Feb. 17.
Oils, Treating mineral. K. T. Steik and H. A. Cassar. 1,803,140; Apr. 28.
Oils, Treating petroleum. L. C. Huff. 1,793,443; Feb. 17.
Oils, Treating petroleum. H. B. Setzler and M. C. McDonald. 1,791,329; Feb. 3.
Oils, Treating petroleum. C. B. Watson. 1,797,305; Mar. 24.
Oils, Treating, separating, and purifying. E. B. Auerbach. 1,805,751; May 19.
Oils, Treatment of hydrocarbon. R. Pyzel. 1,833,472–3; Nov. 24.
Oils, Treatment of hydrocarbon. J. R. Schonberg. 1,831,265; Nov. 10.
Oils, Treatment of naphthenic. N. E. Lemmon. 1,823,614; Sept. 15.
Oils, Treatment of petroleum. H. Behm. 1,813,883; July 7.
Oils with aluminum salts, Refining hydrocarbon. A. Lachman. 1,826,145; Oct. 6.
Oils with cadmium salts, Refining hydrocarbon. A. Lachman. 1,826,140; Oct. 6.
Oils with chromium salts, Refining hydrocarbon. A. Lachman. 1,826,143; Oct. 6.
Oils with cobalt salts, Refining hydrocarbon. A. Lachman. 1,826,147; Oct. 6.
Oils with copper salts, Refining hydrocarbon. A. Lachman. 1,826,139; Oct. 6.
Oils with iron salts, Refining hydrocarbon. A. Lachman. 1,826,142; Oct. 6.
Oils with manganese salts, Refining hydrocarbon. A. Lachman. 1,826,144; Oct. 6.
Oils with mercury salts, Refining hydrocarbon. A. Lachman. 1,826,141; Oct. 6.
Oils with metallic halide, Refining hydrocarbon. J. H. Osmer. 1,811,243; June 23.
Oils with metallic halides, Treating hydraulic. R. W. Hanna. 1,820,389–90; Aug. 25.
Oils with metallic halides, Treating hydrocarbon. M. L. Chappell. 1,815,460; July 21.
Oils with nickel salts, Refining hydrocarbon. A. Lachman. 1,826,146; Oct. 6.
Oils with sulphonic acid salts, Refining hydrocarbon. A. Lachman. 1,826,138; Oct. 6.
Oleaginous and other materials with volatile solvents, Extracting. J. Savage. 1,791,906; Feb. 10.
Oleaginous materials for separately extracting all the elements thereof, Treatment of. L. F. David and G. Felizat. 1,794,105; Feb. 24.
Olefine-containing product. H. S. Davis and W. J. Murray. 1,790,522; Jan. 27.
Olefine derivatives, Preparation of. H. S. Davis and W. J. Murray. 1,790,517; Jan. 27.
Olefines, Polymerization of. F. Hofmann and M. Otto. 1,811,130; June 23.
Olive oil, Manufacturing. E. T. Meakin. 1,814,005, July 14.
Olive oil, Producing. H. P. and G. Burt, and R. E. Sanborn. 1,826,987; Oct. 13.
Olla. A. L. Washburne. 1,835,542; Dec. 8.
Ollas, Cleaning. R. W. and C. W. McCarty. 1,789,657; Jan. 20.
Omniscope. J. C. Karnes. 1,797,867; Mar. 24.
1-amino-2-chlor-anthraquinone, Purification of. W. G. Woodcock, H. A. E. Drescher, E. G. Beckett, and J. Thomas. 1,833,809; Nov. 24.
1-amino-2-chloro-4-hydroxy anthraquinones and preparing the same. I. Gubelmann, H. J. Weiland, and O. Stallmann. 1,798,156; Mar. 31.
1,8-cineol (eucalyptol), Preparing. S. Skraup and O. Hirschler. 1,811,868; June 30.
1-halogen-2-amino-naphthalene-sulphonic acids, Manufacturing. N. Steiger. 1,821,038; Sept. 1.
1-(m-amidophenyl-)1-hydroxy-2-methylamido-propane, Production of. M. Oberlin. 1,829,452; Oct. 27.
1-methyl-4-hydroxybenzene caprylate. H. Bollmann. 1,813,607; July 7.
1,1,2-trichlorethane, Preparing. O. Ernst and H. Lange. 1,833,358; Nov. 24.
1,1,2-trichlorethane, Preparing. O. Ernst and H. Lange. 1,833,393; Nov. 24.
One-piece rotary. E. W. Goeser. 1,808,304; June 2.

1,3 - di-amino - 2 - propanols, Substituted. O. Eisleb. 1,790,042; Jan. 27.
1-2- and 2-3-diamino anthraquinone sulphates and preparing and isolating the same. I. Gubelmann and J. M. Tinker. 1,803,503; May 5.
1, 2, 4-triazoles, Manufacturing. G. Scheuing and B. Walach. 1,796,403; Mar. 17.
Open-hearth furnace. N. F. Egler. 1,798,871; Mar. 31.
Open-hearth furnace. R. L. Leventry. 1,798,611; Mar. 31.
Open-hearth furnace. S. H. McKee. 1,798,618; Mar. 31.
Open hearth furnace. G. E. Rose. 1,838,452; Dec. 29.
Open-hearth furnace, Regenerative gas fired. W. Schucany. 1,816,497; July 28.
Open mouth bag. G. A. Bauman. 1,817,868; Aug. 4.
Opener and sealing device, Combined can. H. T. Hughes. 1,801,554; Apr. 21.
Opener, Bottle. R. M. Brown. 1,827,868; Oct. 20.
Opener, Can. C. A. Bunker. 1,838,525; Dec. 29.
Opener, Can. C. Cataldo. 1,801,848; Apr. 21.
Opener, Can. R. T. Chase. 1,825,383; Sept. 29.
Opener, Can. F. F. Girard. 1,833,743; Nov. 24.
Opener, Can. W. P. Gisske. 1,834 055; Dec. 1.
Opener, Can. J. F. Hart. 1,815,910; July 28.
Opener, Can. C. A. Henry. 1,813,620; July 7.
Opener, Can. C. Lorber. 1,837,783; Dec. 22.
Opener, Can. Y. Nagano. 1,802,443; Apr. 28.
Opener, Can. E. A. Ormsby. 1,826,324; Oct. 6.
Opener, Can. M. Patermann. 1,790,439; Jan. 27.
Opener, Can. N. W. Thybony and R. M. Ozabal. 1,825,216; Sept. 29.
Opener, Can. P. C. West. 1,834,563; Dec. 1.
Opener, Can. J. T. Wisher. 1,830,497; Nov. 3.
Opener, Car door. H. Richardson. 1,819,974; Aug. 18.
Opener, Carton. E. H. Dryer. 1,836,228; Dec. 15.
Opener, Cigarette pack. A. P. De Vega. 1,805,811; May 19.
Opener, Combination can and bottle. F. Quarnstrom. 1,817,393; Aug. 4.
Opener, Container. C. E. Dodson. 1,827,307; Oct. 13.
Opener, Door. J. Huston. 1,831,117; Nov. 10.
Opener, Envelope. F. E. Anderson. 1,833,549; Nov. 24.
Opener for metal packs. R. E. Peterson. 1,790,878; Feb. 3.
Opener, Garage door. M. J. Lewis. 1,802,027; Apr. 21.
Opener, Jar. W. A. Charlestream. 1,803,171; Apr. 28.
Opener, Receptacle. N. P. Courtney. 1,815,902; July 28.
Opener, Receptacle. N. P. Courtney. 1,819,873; Aug. 18.
Opener, Receptacle. N. P. Courtney. 1,826,740; Oct. 13.
Opener, Sheet. C. C. Wendling. 1,805,301; May 12.
Opener, Window. P. O. Borgeson. 1,828,021; Oct. 20.
Opening and closing device, Automatic garage door. J. S. Marsden. 1,808,673; June 2.
Opening and closing windows. W. B. Lake. 1,816,258; July 28.
Opening and shutting device for automobiles, Door. K. Nagao. 1,806,488; May 19.
Opening apparatus, Oyster or like. H. Henry and J. D. Day. 1,831,448; Nov. 10.
Opening, closing, and latching mechanism. A. Wasberg and K. J. Tobin. 1,806,772; May 26.
Opening device, Can. E. Seavey. 1,798,988; Mar. 31.
Opening device for liquid or pressure gas bottles. R. M.-L. Lenoine, née Trouillet. 1,799,914; Apr. 7.
Opening, mixing, and blowing room, and like machinery used in cotton mills. T. Nuttall and S. A. Shorter. 1,810,675; June 16.
Openings, Device for closing. J. E. Lodge. 1,813,179; July 7.
Operating board. A. D. Douglass. 1,801,907; Apr. 21.
Operating device. W. J. Andres and C. T. Waffle. 1,809,541; June 9.
Operating mechanism. W. S. Elliott. 1,788,387; Jan. 13.
Operating mechanism. H. J. Morris. 1,824,679; Sept. 22.
Operating mechanism for a record receiving member. J. W. Legg. 1,815,064; July 21.
Operating mechanism for controlling movement of elements in sequence. R. A. Blood. 1,801,654; Apr. 21.
Operating stand. C. Knott. 1,799,692; Apr. 7.
Operating table. W. J. Miller. 1,814,482; July 14.
Operation meter. E. G. Stack. 1,813,777; July 7.
Operator for agricultural cultivating implement. M. Ehricke. 1,807,731; June 2.
Operator for winches, Intermittent. F. Stoneberg. 1,820,992; Sept. 1.
Operators of sound locating devices, Training. H. B. Ely. 1,811,997; June 30.
Ophthalmic lens. L. V. Foster. 1,819,325; Aug. 18.
Ophthalmic lens. A. E. Glancy. 1,816,728; July 28.
Ophthalmic lens. E. Klein and T. Schoener. 1,801,926; Apr. 21.
Ophthalmic mounting. N. M. Baker. 1,808,448; June 2.
Ophthalmic mounting. N. M. Baker. 1,827,345–6; Oct. 13.
Ophthalmic mounting. S. E. Bouchard. Des. 85,461–2; Nov. 3.
Ophthalmic mounting. W. H. Boutelle. 1,700,279; Apr. 14.
Ophthalmic mounting. W. R. Brown. 1,836,642; Dec. 15.
Ophthalmic mounting. T. F. Curran. 1,789,937; Jan. 20.
Ophthalmic mounting. G. H. Day and B. M. Tapner. 1,793,211; Feb. 17.
Ophthalmic mounting. L. L. Gagnon. Des. 82,984; Jan. 6.
Ophthalmic mounting. H. Katz. 1,823,150; Sept. 15.
Ophthalmic mounting. H. J. Langknecht. Des. 83,819; Mar. 31.
Ophthalmic mounting. J. N. Nelson. Des. 83,122; Jan. 20.
Ophthalmic mounting. J. N. Nelson. 1,805,529; May 19.
Ophthalmic mounting. G. E. Nerney. Des. 83,567; Mar. 3.
Ophthalmic mounting. G. E. Nerney. Des. 84,362–3; June 9.
Ophthalmic mounting. G. E. Nerney. Des. 84,751; July 28.
Ophthalmic mounting, Bridge member for an. E. J. R. Beattey. Des. 83,422; Feb. 24.
Ophthalmic mounting, Bridge member for an. O. W. Dechau. Des. 84,327; June 9.
Ophthalmic trial frame. H. Clement. 1,811,349; June 23.
Ophthalmological instrument. C. L. Hunsicker. 1,804,691; May 12.
Ophthalmological method and apparatus. B. E. Brierton. 1,833,482; Nov. 24.
Ophthalmoscope. A. B. Reese. 1,815,866; July 21.
Ophthalmoscope, retinoscope, and slit lamp, Combined. A. Wilson. 1,795,691; Mar. 10.
Optical apparatus. A. Ahlberg. 1,796,354; Mar. 17.
Optical apparatus. A. S. Cameron. 1,797,544; Mar. 24.
Optical apparatus. J. F. Leventhal. 1,818,410; Aug. 11.
Optical apparatus for determining finish on paper. C. H. Milligan. 1,810,433; June 16.
Optical compensator. J. F. Leventhal. 1,821,349; Sept. 1.
Optical device. F. Herzfeld - Hoffmann. 1,801,920; Apr. 21.
Optical device for distant vision. G. Valensi. 1,798,963; Mar. 31.
Optical examination apparatus. J. I. Pascal. 1,791,010; Feb. 3.
Optical exerciser. M. D. Yetta. 1,802,997; Apr. 28.
Optical frame. O. W. Dechau. Des. 82,981; Jan. 6.
Optical illuminating system. P. S. and H. H. Millar. 1,813,185; July 7.
Optical instrument. V. E. Carbonara. 1,834,017; Dec. 1.
Optical instrument. A. S. Cameron. 1,796,359; Mar. 17.
Optical instrument. H. S. Cover. 1,795,424; Mar. 10.
Optical instrument, Binocular. H. S. Cover. 1,795,425; Mar. 10.
Optical instrument, Binocular. H. S. Cover. 1,802,048; Apr. 21.
Optical instrument, Monocular. H. S. Cover. 1,837,207–8; Dec. 22.
Optical measuring device. M. K. Parkhurst. 1,794,340–1; Feb. 24.
Optical measuring instrument such as inclinometers, range finders, height finders, and the like. A. Barr and J. M. Strang. 1,833,553; Nov. 24.
Optical measuring instruments, Line mark for. D. Helfer. 1,836,167; Dec. 15.
Optical printer. F. H. Owens. 1,789,112; Jan. 13.
Optical printer. F. H. Owens. 1,822,417; Sept. 8.
Optical rectification. Method of and apparatus for. W. A. Kosken. 1,797,267; Mar. 24.
Optical simulation of ruled lines. C. J. Mensman. 1,837,979; Dec. 22.
Optical slit. A. Whitaker and C. O. Browne. 1,838,971; Dec. 29.
Optical system. M. Astafiev. 1,812,765; June 20.
Optical system. L. V. Foster. 1,833,073; Nov. 24.
Optical system. C. E. Huffman. 1,801,430; Apr. 21.
Optical system and producing photographs and projecting the same in natural colors. M. Waide. 1,836,562; Dec. 15.
Optical system for colorimeters and the like. J. W. Forrest. 1,806,621; May 26.
Optical system for oscillographs. J. W. Legg. 1,794,966; Mar. 3.
Optical system for photographic apparatus. O. Wittel. 1,787,808; Jan. 6.
Optical system, Photographic. F. E. Altman. 1,812,851; July 7.
Optimum current strength in the electro deposition of rubber and other substances, Determining. F. H. Lane. 1,822,226; Sept. 8.
Optiphone. J. A. Clifton. 1,798,118; Mar. 24.
Optometrist instrument. C. L. Hunsicker. 1,804,690; May 12.
Orange crusher. G. J. Orfanson. Des. 84,066; Apr. 28.
Orange juice, Preserving. D. M. Smalle. 1,838,517; Dec. 29.
Orange peels, Removing the bitter taste from. H. Teusch. 1,813,366; July 7.
Orchard heater. J. E. and J. E. Adamson. 1,835,835; Dec. 8.
Orchard heater. S. J. Harban. 1,820,067; Aug. 25.
Orchard heater. K. S. Parrish. 1,791,223; Feb. 3.
Orchard heater. B. V. Witt. 1,815,388; July 21.
Orchard heater, Hard fuel. J. H. Doran and L. L. Swartz. 1,836,314; Dec. 15.
Orchards, Apparatus for heating. N. W. Cummings. 1,833,277; Nov. 24.
Ordnance. C. Bittinger. 1,811,605; June 23.
Ordnance. C. Bittinger. 1,824,462; Sept. 22.
Ordnance. N. E. Schoonover. 1,809,533; June 9.
Ordnance, Compensating device for. M. E. Barker. 1,801,258; Apr. 21.
Ordnance, Gyroscopic base line for. L. F. Carter and P. R. Bassett. 1,799,212; Apr. 7.

Ordnance material for firing against aircraft, Transportable. N. E. Methlin. 1,835,890; Dec. 8.
Ordnance of the Howitzer type, Elevation-indicating device for. J. C. Karnes. 1,801,009; Apr. 14.
Ordnance piece. L. M. McBride. 1,790,873; Feb. 3.
Ore, Apparatus for exploring for. L. B. Slichter. 1,826,961; Oct. 13.
Ore bodies, Apparatus for use in discovering and determining. E. S. Bieler and H. G. I. Watson. 1,794,666; Mar. 3.
Ore bodies, Determining the character of. J. J. Jakosky. 1,818,331; Aug. 11.
Ore concentrating machine, Flotation. H. W. Pudan. 1,813,082; July 7.
Ore concentration. C. H. Keller. 1,833,464; Nov. 24.
Ore concentration. R. Lee. 1,829,565; Oct. 27.
Ore cooling apparatus. H. J. Hartley and F. B. Schilling. 1,810,562; June 16.
Ore distributing. H. W. Aldrich and W. G Scott. 1,798,715; Mar. 31.
Ore dock. A. M. Frazee. 1,818,470; Aug. 11.
Ore flotation. I. H. Derby and O. D. Cunningham. 1,813,345; July 7.
Ore flotation. I. H. Derby and O. D. Cunningham. 1,833,740; Nov. 24.
Ore flotation and flotation agent. I. H. Derby and O. D. Cunningham. 1,813,346; July 7.
Ore flotation process. I. H. Derby and O. D. Cunningham. Re18,116; June 30.
Ore, Igniting. A. F. Beasley. 1,827,773; Oct. 20.
Ore jig. F. N. Bendelari. 1,794,824; Mar. 3.
Ore, Leaching. C. C. De Witt. 1,835,474; Dec. 8.
Ore leaching process. G. Mott. 1,825,752;; Oct. 6.
Ore reduction. A. G. McGregor. 1,838,427; Dec. 29.
Ore roasting furnace. C. E. Keating. 1,827,526; Oct. 13.
Ore separator. O. C. Patton and J. G. Rawlins. 1,787,759; Jan. 6.
Ore separator. A. O. Taylor. 1,792,404; Feb. 10.
Ore, Treating arsenious. A. R. Lindblad. 1,822,103; Sept. 8.
Ore, Treating iron. L. Bradley. 1,800,856; Apr. 14.
Ores, Agglomerating pulverulent. B. Christiansen. 1,792,413; Feb. 10.
Ores and minerals by flotation, Concentrating. W. A. Douglass. 1,816,145; July 28.
Ores and/or other fine materials, Roasting and/or sintering of fine. A. D. H. L. Fassotte. 1,789,895; Jan. 20.
Ores and particularly vanadates of lead and other metals, Treating vanadium. E. Campagne. 1,834,236; Dec. 1.
Ores, Apparatus for roasting. H. H. Nicholson. 1,819,436; Aug. 18.
Ores, Apparatus for the treatment of. N. Leslie. 1,834,854; Dec. 1.
Ores by flotation, Concentrating. H. A. Lubs and A. L. Fox. 1,839,155; Dec. 29.
Ores by flotation, Concentration of. F. G. Moses, R. W. Hess, and R. L. Perkins. 1,806,362; May 19.
Ores by flotation, Concentration of. R. L. Perkins. 1,819,114; Aug. 18.
Ores by flotation, Treatment of complex. W. Schäfer. 1,788,332; Jan. 6.
Ores, by the volatilization of metallic elements, Treatment of zinciferous and composite. A. Folliet and N. Sainderichin. 1,813,042; July 7.
Ores, Concentrating. F. Ayer and A. Crowfoot. 1,820,172; Aug. 25.
Ores, Concentrating. R. Luckenbach. 1,830,908; Nov. 10.
Ores, Concentration of. R. B. Martin. 1,797,356; Mar. 24.
Ores, Concentration of. F. G. Moses, R. W. Hess, and R. L. Perkins. 1,801,318; Apr. 21.
Ores, Concentration of. F. G. Moses, R. W. Hess, and R. L. Perkins. 1,801,320; Apr. 21.
Ores, Concentration of. F. G. Moses, R. W. Hess and R. L. Perkins. 1,807,859; June 2.
Ores, Extracting metal values from. A. E. Small. 1,789,932; Jan. 20.
Ores, Floating. G. Barsky and G. B. Walker. 1,825,501; Sept. 29.
Ores, Froth flotation of. I. H. Derby and O. D. Cunningham. 1,813,344; July 7.
Ores, Heat treatment and reduction of. H. R. Berry. 1,836,005; Dec. 15.
Ores in the manufacture of rustless steel, Treating. C. Hart. 1,826,932; Oct. 13.
Ores, minerals, and the like, Concentration of. J. L. Stevens. 1,805,855; May 19.
Ores of metals capable of volatilization, Reduction of. F. L. Duffield. 1,796,562; Mar. 17.
Ores of the rare earths of zirconium and titanium, in a cycle by means of sulphuric acid, Decomposing. J. D'ans. 1,819,770; Aug. 18.
Ores of titanium, containing chromium and recovering the sulphuric acid, Treating. N. Specht. 1,827,691; Oct. 13.
Ores or products containing aluminum oxide, Refining. T. R. Haglund. 1,816,842; Aug. 4.
Ores, oxides, and the like, Apparatus for the reduction of. H. E. Coley. 1,839,086; Dec. 29.
Ores, oxides, and the like, Reduction of. H. E. Coley 1,797,130; Mar. 17.
Ores, oxides, and the like, Reduction of. H. E. Coley 1,829,438; Oct. 27.
Ores, Purification of. F. M. Becket. 1,822,266; Sept. 8
Ores, Reducing iron. E. W. Davis. 1,833,320; Nov. 24.
Ores, Reduction of. F. L. Duffield. 1,796,563; Mar. 17.
Ores, Refining of chromium. P. Weise and F. Specht. 1,828,756; Oct. 27.
Ores, Roasting. E. J. Wechter. 1,832,069; Nov. 17.
Ores, Selective agent for concentrating. R. Luckenbach 1,792,544; Feb. 17.
Ores to metal, matte, and slag, Smelting sulphide. H. Skappel. 1,797,700; Mar. 24.
Ores, Treating. C. C. Haas. 1,825,949; Oct. 6.
Ores, Treating. A. J. Koebel. 1,814,602; July 14.
Ores, Treating. R. F. Meyer. 1,833,682; Nov. 24.
Ores with gases in rotary furnaces, Treatment of. C. P. Debuch. 1,791,403; Feb. 3.
Organ. F. Campkin. 1,796,438; Mar. 17.
Organ. J. C. Davis. 1,793,592; Feb. 24.
Organ. W. A. P. S. Langston. 1,826,518; Oct. 6.
Organ. H. L. Steinfeld. 1,788,963; Jan. 13.
Organ control. J. H. Hammond, jr. 1,814,472; July 14
Organ, Electric. J. Bethenod. 1,789,032; Jan. 13.
Organ, Pipe. A. Moorhouse and S. G. Bowman. 1,796,386; Mar. 17.
Organ, Pipe. H. F. Waters. 1,835,360; Dec. 8.
Organ stop or coupler actuating means. D. S. Darrows. 1,821,610; Sept. 1.
Organic bodies suitable for automobile engines from water gas or similar gases, Synthesis of. M. Brutzkus. 1,832,762; Nov. 17.
Organic compounds by bacterial oxidation, Preparation of. A. J. Kluyver and F. V. Hooft. 1,833,716; Nov. 24.
Organic compounds, Catalytic dehydrogenation of. A. O. Jaeger. 1,827,317; Oct. 13.
Organic compounds, Chlorination of. G. P. Lunt. 1,824,558; Sept. 22.
Organic compounds, Manufacture of oxygenated. A. Mittasch, M. Pier, and C. Müller. 1,791,568; Feb. 10.
Organic compounds which irritate the skin, Non-irritating compositions containing. R. Engelhardt. 1,820,607; Aug. 25.
Organic material, Apparatus for treating. J. H. Fedeler. 1,797,335; Mar. 24.
Organic materials, Decomposing. R. J. Dearborn and G. W. Gray. 1,814,621; July 14.
Organic substances, Aqueous dispersion of. A. Szegvari. 1,822,249; Sept. 8.
Organs, Magnetic action for pipe. H. F. Waters and V. R. Brown. 1,787,559; Jan. 6.
Organs, Self-player for pipe. D. E. Clark. 1,792,473; Feb. 17.
Orifice fitting. J. A. Swindle. 1,813,100; July 7.
Orifice for flow measuring systems. E. S. Cole. 1,809,376; June 9.
Ornament and attachment therefor. P. E. Fenton. 1,821,428; Sept. 1.
Ornament and method of manufacture, Fanciful. J. Pedersen. 1,818,578; Aug. 11.
Ornament-attaching clamp. E. L. Johnson and O. Lundsten. 1,799,468; Apr. 7.
Ornament, Automobile radiator. C. C. Jantz. Des. 83,808; Mar. 31.
Ornament, Automobile radiator cap. F. N. Mariani. Des. 85,663; Dec. 1.
Ornament, Christmas tree. P. Boehland. Des. 84,272; June 2.
Ornament, Drapery. R. G. Seelhoff. 1,795,516; Mar. 10.
Ornament for automobile radiator cap or the like. D. Foley. Des. 84,414; Oct. 27.
Ornament for automobile radiator caps or the like. L. N. Forsyth. Des. 83,039; Jan. 13.
Ornament for desks. B. W. Moser. 1,818,737; Aug. 11.
Ornament for drapery rods, Center. W. E. Smith. Des. 84,306; June 2.
Ornament for drapery rods or the like, Center. W. E. Smith. Des. 83,578; Mar. 3.
Ornament for drapery rods or the like, Center. W. E. Smith. Des. 84,003; Apr. 21.
Ornament for drapery rods or the like, Center. W. E. Smith. Des. 84,005; Apr. 21.
Ornament for drapery rods or the like, Center. W. E. Smith. Des. 84,715; July 21.
Ornament for drapery rods or the like, End. W. E. Smith. Des. 83,577; Mar. 3.
Ornament for drapery rods or the like, End. W. E. Smith. Des. 84,004; Apr. 21.
Ornament for drapery rods or the like, End. W. E. Smith. Des. 84,006; Apr. 21.
Ornament for drapery rods or the like, End. W. E. Smith. Des. 84,307; June 2.
Ornament for drapery rods or the like, End. W. E. Smith. Des. 84,716; July 21.
Ornament for motor cars, Airplane. K. W. Wilson. 1,824,003; Sept. 22.
Ornament for motor vehicles, Hood front. R. H. Dietrich. Des. 85,636; Dec. 1.
Ornament for radiator caps or the like. R. L. O'Connor. Des. 83,744; Mar. 24.
Ornament, Mirror. E. Burton. Des. 84,776; Aug. 4.
Ornament of expansible tissue, Folding. H. E. Luhrs. 1,809,593; June 9.
Ornament or similar article, Automatic radiator. W. Schnell and F. Giuntini. Des. 84,659; July 14.
Ornament, Radiator. V. O. Greene. Des. 85,041; Sept. 8.
Ornament, Radiator. W. H. Johnsen. Des. 84,639; July 14.

Ornament, Radiator. J. C. Kane and W. Weiss. 1,814,314; July 14.
Ornament, Radiator. V. McPhillips. 1,810,289; June 16.
Ornament, Radiator. F. C. Ruppel. Des. 83,062; Jan. 13.
Ornament, Radiator. F. C. Ruppel. Des. 83,177; Jan. 27.
Ornament. Radiator. H. Young. Des. 85,504; Nov. 3.
Ornament, Radiator cap. W. V. Vandegrift and S. O. Bystrom. Des. 84,502; June 23.
Ornament, Shoe. L. M. Bayan. Des. 84,507; June 30.
Ornament, Shoe. W. L. Gibbons. Des. 85,744–5; Dec. 15.
Ornament, Shoe. C. G. King. Des. 83,813; Mar. 31.
Ornament, Shoe. C. G. King. Des. 84,290; June 2.
Ornament, Shoe. A. R. Pascucci. Des. 83,003; Jan. 6.
Ornament, Shoe. G. H. Pulsifer and W. L. Delaney. 1,801,936; Apr. 21.
Ornament, Shoe. S. M. Riker. Des. 84,101–2; May 5.
Ornament, Shoe. S. M. Riker. Des. 85,346; Oct. 13.
Ornament, Shoe. W. E. Smith. Des. 83,018; Jan. 6.
Ornament, Shoe. W. E. Smith. Des. 83,068–70; Jan. 13.
Ornament, Shoe. W. E. Smith. Des. 84,116; May 5
Ornament, Shoe. W. E. Smith. Des. 84,798; Aug. 4.
Ornament, Shoe. H. G. Whitehouse. Des. 84,311; June 2.
Ornamental and attaching member, Combined. G. Johnson. 1,835,948; Dec. 8.
Ornamental article and making same. A. Kressaty. 1,823,613; Sept. 15.
Ornamental article and making the same. W. C. Johnston. 1,804,833; May 12.
Ornamental bird. M. Greenan. Des. 83,606; Mar. 10.
Ornamental character. M. Hoenig. 1,803,114; Apr. 28.
Ornamental material, insert for same and making same. W. B. Bragger and V. F. Nekarda. 1,812,134; June 30.
Ornamentation. H. S. Sadtler. 1,797,998; Mar. 24.
Ornamentation, Apparatus for marking plans of. J. L. Valiquette. 1,834,011; Dec. 1.
Ornaments, Electrically illuminated. A. J. Scandura. 1,812,378; June 30.
Ortho-aminoaldehydes and ortho-aminoketones of the anthraquinone series and preparing them. K. Wilke. 1,830,153; Nov. 3.
Ortho-aminoaldehydes of the anthraquinone series, Preparing. K. Wilke. 1,830,152; Nov. 3.
Ortho-amino-arylmercaptanes and products produced thereby, Manufacturing. H. Herz and M. Schubert. 1,788,297; Jan. 6.
Ortho- and para-hydroxy diphenyl, Preparation of E. C. Britton. 1,836,307; Dec. 15.
Orthodiagraphy. L. M. Rose. 1,795,042; Mar. 3.
Orthodontic appliance. S. R. Atkinson. 1,821,171; Sept. 1.
Orthopedic appliance. G. V. Arthur. 1,788,852; Jan. 13.
Ortho-phenyl-phenol, Purification of. E. C. Britton. 1,835,755; Dec. 8.
Oscillating masses, Compensating. K. Merz. 1,820,239; Aug. 25.
Oscillating motor. V. G. Apple. 1,818,779; Aug. 11.
Oscillating motor. H. R. Stuart. 1,821,123; Sept. 1.
Oscillating signal. C. F. Capell. 1,815,139; July 21.
Oscillating sprinkler. W. A. Buckner. 1,811,171; June 23.
Oscillating system, Piezo electric crystal controlled. A. Crossley. 1,830,642; Nov. 3.
Oscillation generation. C. W. Hansell. 1,787,979; Jan. 6.
Oscillation generation. A. Meissner. 1,805,918; May 19.
Oscillation generator. R. E. Coram. 1,836,839; Dec. 15.
Oscillation generator. R. Goldschmidt. 1,837,903; Dec. 22.
Oscillation generator. R. C. Hitchcock. 1,790,148; Jan. 27.
Oscillation generator. R. S. Ohl. 1,812,977; July 7.
Oscillation generator. P. Thomas. 1,788,131; Jan. 6.
Oscillation generator. C. J. Young. 1,788,362; Jan. 6.
Oscillation generator, High-frequency-. H. T. Friis. 1,795,648; Mar. 10.
Oscillations, Amplification of electric. C. T. Jacobs. 1,835,781; Dec. 8.
Oscillations, Arrangement for the reception of electric. F. Fischer. 1,833,323; Nov. 24.
Oscillations from piezo electric plates, Producing. A. Hund. 1,830,322; Nov. 3.
Oscillations, Generating. G. Thilo. 1,792,781; Feb. 17.
Oscillations in vacuum tube circuits, Controlling or preventing. B. Phelps. 1,829,013; Oct. 27.
Oscillations, Method of and apparatus for controlling mechanical. P. B. Sample. 1,809,288; June 9.
Oscillations, Prevention of parasitic. H. C. Silent. 1,807,759; June 2.
Oscillator, Balanced magnetostrictive. J. R. Harrison. 1,811,126–8; June 23.
Oscillator, Crystal. E. D. Tillyer. 1,836,735; Dec. 15.
Oscillator, Piezo electric. R. A. Heising. 1,827,196; Oct. 13.
Oscillator, Polyphase vacuum-tube. A. G. Jensen. 1,788,720; Jan. 13.
Oscillograph. J. W. Legg. 1,792,315; Feb. 10.
Oscillograph. J. W. Legg. 1,795,870; Mar. 10.
Oscillograph galvanometer. G. L. Dimmick. 1,820,785; Aug. 25.
Oscillograph-galvanometer. C. M. Hathaway. 1,800,018; Apr. 7.
Oscillograph system. J. W. Legg. 1,794,910; Mar. 3.
Outboard motor. F. T. Irgens. 1,818,257; Aug. 11.
Outboard motor. L. J. Johnson. 1,824,735; Sept. 22.
Outboard motor. L. J. and H. L. Johnson. 1,824,736; Sept. 22.
Outboard motor. J. W. Kopke and H. M. Foddy. 1,800,638; Apr. 14.
Outboard motor. J. H. Pierce. 1,801,612; Apr. 21.
Outboard motor assembly. L. J. and H. L. Johnson. 1,824,737–9; Sept. 22.
Outboard motor, Foldable. O. Evinrude. 1,790,856; Feb. 3.
Outboard motor, Four cylinder. O. Evindrude. 1,819,323; Aug. 18.
Outboard propeller drive. S. H. H. Parsons. 1,801,781; Apr. 21.
Outboard propelling unit driven from an inboard motor, Rudderless. R. A. Patrick. 1,819,968; Aug. 18.
Outlet. C. W. Sirch. 1,797,800; Mar. 24.
Outlet box. H. A. Calderwood. 1,835,633; Dec. 8.
Outlet box. S. Garvin. 1,798,838; Mar. 31.
Outlet box. F. E. Gilmore. 1,818,317; Aug. 11.
Outlet box. L. Kellner. 1,825,697; Oct. 6.
Outlet box. J. Mangin. 1,795,224; Mar 3.
Outlet box. J. Mangin. 1,796,037; Mar. 10.
Outlet box. W. R. Neall. 1,793,187; Feb. 17.
Outlet box. W. L. Phiffer. 1,820,824; Aug. 25.
Outlet box. H. A. Wright. 1,829,776; Nov. 3.
Outlet box, Adjustable. C. C. Buckels. 1,791,118; Feb. 3.
Outlet box, Adjustable. P. Goldberg and N. L. Costello. 1,811,687; June 23.
Outlet box and plug. O. R. Randles. 1,818,352; Aug. 11.
Outlet box, Conduit. R. H. Olley. 1,829,054; Oct. 27.
Outlet box, Electrical. B. C. Paine. 1,828,064; Oct. 20.
Outlet fitting, Terminal. R. Eckstein. 1,812,396; June 30.
Outlet for electric appliances, Convenience. E. A. Rutenber. 1,810,986; June 23.
Outlet for electrical conductors. M. H. Loughridge. 1,836,480; Dec. 15.
Outlet for high potential cables. A. O. Austin. 1,829,032; Oct. 27.
Outlet, Housed. F. G. Wehman. 1,820,995; Sept. 1.
Oven. J. Jungers. 1,830,063; Nov. 3.
Oven. J. McCarthy. Des. 84,156; May 12.
Oven. G. D. Wilkinson. 1,836,888; Dec. 15.
Oven and burner. W. Noble. 1,831,820; Nov. 17.
Oven and dip tank. V. A. Fox. 1,790,501; Jan. 27.
Oven and door therefor, Coke. C. Still. 1,790,775; Feb. 3.
Oven and door therefor, Coke. C. Still. 1,795,239; Mar. 3.
Oven and heating the same, Baking. I. Elliott. 1,811,822; June 23.
Oven and operating same, Coke. C. Wessel. 1,809,659; June 9.
Oven and the like, Coke. C. Wessel. 1,808,620; June 2.
Oven, Bake. H. A. Bodge. 1,797,677; Mar. 24.
Oven, Bake. R. Bolling. Des. 83,088; Jan. 20.
Oven, Bake. E. G. de Coriolis. 1,799,844; Apr. 7.
Oven, Baker's. C. B. Comstock. 1,789,378; Jan. 20.
Oven, Baker's. W. L. Mueller. 1,790,876; Feb. 3.
Oven, Baking. E. B. Crawford and M. Turrell. 1,819,231; Aug. 18.
Oven, Baking. C. T. Hatch. 1,838,395; Dec. 29.
Oven, Baking. H. H. Hill. 1,789,406; Jan. 20.
Oven, Baking. I. M. Petersime. 1,803,975; May 5.
Oven, Baking. L. C. Reese. 1,829,670; Oct. 27.
Oven, Broiler. P. I. Hollman. 1,838,832; Dec. 29.
Oven, Broiler. G. D. Wilkinson. 1,798,825; Mar. 31.
Oven closures, Device for sealing coke. C. Otto. 1,823,121; Sept. 15.
Oven, Coke. J. Becker. 1,832,612–13; Nov. 17.
Oven, Coke. C. H. Hughes. 1,818,713; Aug. 11.
Oven, Coke. C. H. Hughes. 1,822,699; Sept. 8.
Oven, Coke. C. Otto. 1,798,129; Mar. 24.
Oven, Coke. H. Schröder. 1,790,597; Jan. 27.
Oven, Coke. C. Still. 1,810,629; June 16.
Oven, Coke. J. van Ackeren. 1,806,134; May 19.
Oven, Coke. C. Wessell. 1,819,934; Aug. 18.
Oven, Coke. R. Wilhelm. 1,795,324; Mar. 10.
Oven, Coking retort. J. Becker. 1,799,670; Apr. 7.
Oven, Coking retort. J. Becker. 1,837,181–2; Dec. 15.
Oven, Coking retort. E. Leyh. 1,802,518; Apr. 28.
Oven, Coking-retort. J. Van Ackeren. 1,787,963; Jan. 6.
Oven, Coking retort. J. Van Ackeren. 1,836,207; Dec. 15.
Oven, Coking retort. J. van Ackeren. 1,837,301; Dec. 22.
Oven, Combination. J. Becker. 1,837,314; Dec. 22.
Oven construction. R. S. Heise. 1,815,312; July 21.
Oven construction. W. Noble. 1,831,821; Nov. 17.
Oven construction and hinge therefor. W. Noble. 1,821,232; Sept. 1.
Oven construction, Gas. T. A. Soults. 1,808,866; June 9.
Oven control mechanism, Thermostatic. A. H. and F. A. Kohlmeyer. 1,814,002; July 14.
Oven conveyer. P. F. Krenzke. 1,787,731; Jan. 6.
Oven, Core. W. V. Baker. 1,805,029; May 12.
Oven, Electric. G. W. Heinbuch. 1,827,656; Oct. 13.
Oven electric heater, Gas. G. W. Allen and A. Waters. 1,815,088; July 21.
Oven for dry distillation of shales and the like. J. G. Gröndal and C. L. Carlson. 1,796,264; Mar. 10.
Oven for ranges. W. D. Antrim. 1,798,115; Mar. 24.
Oven for ranges. C. C. Armstrong. 1,836,639; Dec. 15.
Oven, heat and air regulated, Pressure. H. Belser. 1,802,328; Apr. 28.
Oven, Horizontal coke. C. Otto. 1,805,922; May 19.
Oven loader. J. Cryns. 1,824,124; Sept. 22.
Oven or retort for treating tarry matter and the like. A. S. Knowles. 1,832,867; Nov. 24.

Oven plate. S. Ross and O. H. McMaken. 1,787,639; Jan. 6.
Oven rack. F. Caramella. 1,802,234; Apr. 21.
Oven rack. R. S. Rosselle. 1,819,388; Aug. 18.
Oven rack, Shiftable. E. A. Chandler and J. H. McCann. 1,831,652; Nov. 10.
Oven, Regenerative coke. C. Otto. 1,824,922; Sept. 29.
Oven, Retarded air circulating dental. C. P. Shoudy. 1,834,353; Dec. 1.
Oven, Retort. K. Geissen and W. Vorbrodt. 1,811,544; June 23.
Oven, Roasting. W. L. Phillips and J. R. Neal. 1,793,009; Feb. 17.
Oven safety control. C. L. Gehnrich. 1,796,198; Mar. 10.
Oven system. A. O. Roberts. 1,817,209; Aug. 4.
Oven, Traveling. J. H. N. Pelkman. 1,811,962; June 30.
Oven, Traveling tray. H. Feige. 1,815,555; July 21.
Oven-unit frame and oven, One-piece. F. W. Cuffe. 1,801,191; Apr. 14.
Oven, Vertical chamber. C. Otto. 1,827,328; Oct. 13.
Oven, Vertical chamber coke. C. Otto. 1,829,608; Oct. 27.
Oven, Vertical coke. C. Otto. 1,787,490; Jan. 6.
Ovens, Charging horizontal coke. W. H. Pavitt. 1,814,184; July 14.
Ovens, Closing shutter for tunnel. M. Kulzinski. 1,828,669; Oct. 20.
Ovens, Delivering device for bakers'. C. B. Comstock. 1,798,657; Mar. 31.
Ovens, Electrically controlled opening and closing means for vertical chamber. P. Riecke. 1,831,720; Nov. 10.
Ovens, Feed mechanism for bake. C. A. Sundbom. 1,795,352; Mar. 10.
Ovens, Thermostatic control for. A. G. Sherman. 1,826,328; Oct. 6.
Ovens, Tray for traveler. W. L. Mueller. 1,793,445; Feb. 17.
Overall. E. O. Fellroth. 1,820,532; Aug. 25.
Overall garment. M. Sneider. 1,789,784; Jan. 20.
Overalls. J. Kautz. 1,827,585; Oct. 13.
Overalls. H. Martin. 1,793,708; Feb. 24.
Overgear shift mechanism. H. Drew. 1,807,779; June 2.
Overhead carrier. E. T. Bennington. 1,794,826; Mar. 3.
Overhead traveling carrier. E. T. Bennington. 1,818,374; Aug. 11.
Overload indicator. P. B. Bonnette. 1,809,373; June 9.
Overload release, Mechanical. C. A. McKenny. 1,805,879; May 19.
Overload release mechanism, Mechanical. F. W. Yost. 1,829,576; Oct. 27.
Overshoe. E. R. Degge. 1,811,781; June 23.
Overshoe. P. H. Margulis. 1,809,522; June 9.
Overshoe and making same. R. J. Mecklenburg. 1,820,149; Aug. 25.
Overshoe and making the same. L. H. L'Hollier. 1,825,276; Sept. 29.
Overshoe and making the same. R. E. Riley. 1,803,559; May 5.
Overshoe, Nonslip. E. R. Everett. 1,831,851; Nov. 17.
Overshot for well fishing. E. W. Forrow. 1,794,226; Feb. 24.
Oxidation process. F. Scholefield. 1,801,177; Apr. 14.
Oxidation products and apparatus therefor, Manufacture of intermediate. J. H. James. 1,836,326; Dec. 15.
Oxidation products from crude paraffin hydrocarbons, waxes, and the like, Production of. M. Luther and E. Willfroth. 1,788,799; Jan. 13.
Oxidation products, Manufacture of intermediate. J. H. James. 1,836,325; Dec. 15.
Oxidation products of siccative oils, Manufacture of. F. Fraunberger and G. Knöffler. 1,806,247; May 19.
Oxides, Manufacture of opacifying. L. Weiss. 1,830,581; Nov. 3.
Oxides of carbon into organic compounds particularly methanol, Transforming. O. Schmidt and J. Ufer. 1,818,165; Aug. 11.
Oxidic compounds, Apparatus and process for treating. H. C. J. H. Gelissen. 1,830,696; Nov. 3.
Oxidized bodies from oxidized hydrocarbon mixtures, Extracting. J. H. James. 1,835,600; Dec. 8.
Oxidizing or decolorizing agent and making same. H. B. Faber. 1,793,917; Feb. 24.
Oxy compounds of tantalum and columbium from the ores, Production of. C. G. Fink and L. G. Jenness. 1,802,242; Apr. 21.
Oxygen breathing implement, particularly for aeronauts. O. H. Dräger. 1,817,881; Aug. 4.
Oxygen compounds, Production of valuable organic. H. Hopff. 1,801,350; Apr. 21.
Oxygen-containing materials from their solutions in hydrocarbons, Separation of. H. E. Buc. 1,820,907; Sept. 1.
Oxygen for ventilation or other purposes, Supplying artificially-ionized. F. E. Hartman. 1,793,799; Feb. 24.
Oxygen from gases, Removal of. F. Porter. 1,787,795; Jan. 6.
Oxygen from steam, Process and apparatus for removing. A. B. Lamb. 1,832,401; Nov. 17.
Oxygen to freely portable breathing implements, Device for feeding additional. A. H. L. Christensen. 1,823,765; Sept. 15.
Oxygenated organic compounds, Manufacture of. E. Pansegrau. 1,815,985; July 28.
Oyster dredge. H. L. Lewis. 1,792,592; Feb. 17.
Ozone, Apparatus for making. J. M. Daily. 1,803,600; May 5.
Ozone generator. F. E. Hartman. 1,834,705; Dec. 1.
Ozone process of obtaining metals from ores. R. S. Oppenheim. 1,837,286; Dec. 22.
Ozonizer. A. W. Conley. Des. 82,978; Jan. 6.
Ozonizer. M. P. Otto. 1,796,214; Mar. 10.
Pack frame. M. E. Anderson. 1,816,510; July 28.
Package. O. F. Bailey. 1,791,340; Feb. 3.
Package. E. F. Kemp. 1,815,261; July 21.
Package. P. A. McCaskey. 1,833,999; Dec. 1.
Package. H. M. Sinclair. 1,803,736; May 5.
Package and forming the same. M. J. Milmoe. 1,793,710; Feb. 24.
Package and making the same, Sealed. A. M. Bates. 1,809,103; June 9.
Package and parts thereof, Sealed. E. Scofield. 1,793,024; Feb. 17.
Package and wrapping, Elongated tablet. W. J. Ritzel. 1,805,417–18; May 12.
Package assembling machine. R. A. Jones. 1,818,065; Aug. 11.
Package carrier. L. R. Askam. 1,793,729; Feb. 24.
Package elevator. H. R. Collier. 1,793,062; Feb. 17.
Package exhausting and sealing machine. W. P. White and C. E. Ives. 1,801,062; Apr. 14.
Package, Fabricated. G. B. Beaman. 1,817,286; Aug. 4.
Package filling and closing machine. P. Gangler. 1,794,010; Feb. 24.
Package for cigars, cigarettes, and smoking tobacco. J. T. McCrosson. 1,821,472; Sept. 1.
Package for confections or the like, Transparent. R. H. Jones. Des. 85,875; Dec. 29.
Package for patches. L. A. Maclean. 1,800,459; Apr. 14.
Package for pins. G. Boden. 1,799,776; Apr. 7.
Package for razor blades. F. Kylberg. 1,834,284; Dec. 1.
Package handle. A. Ondricek. 1,829,533; Oct. 27.
Package, Hermetically-sealed. E. Scofield. 1,789,453; Jan. 20.
Package-making mechanism. R. E. B. Wakefield. 1,792,203; Feb. 10.
Package or similar article. S. H. Goldberg. Des. 83,042; Jan. 13.
Package pick-up device for aircraft. M. S. League. 1,822,354; Sept. 8.
Package sealing apparatus, Adjustable. W. H. McColm. 1,835,797; Dec. 8.
Package tie. J. J. Lynch. 1,809,345; June 9.
Package wrapping device. C. S. Brandenburg. 1,810,156; June 16.
Package-wrapping machine. J. P. Aldrich and H. A. Morris. 1,791,153; Feb. 3.
Packages, Apparatus for holding textile. R. Martin. 1,827,756; Oct. 20.
Packages, Appliance for depositing and/or picking up. R. Drummond. 1,830,986; Nov. 10.
Packages, Sealing. C. H. Ames. 1,827,636; Oct. 13.
Packaging and apparatus therefor. F. L. Darling. 1,822,614; Sept. 8.
Packaging and banding machine. V. E. Heywood. 1,839,152; Dec. 29.
Packaging articles. A. B. Modine. 1,803,122; Apr. 28.
Packaging band. L. E. La Bombard and M. H. Sidebotham. 1,793,328; Feb. 17.
Packaging device. C. W. Aeppler and L. Lawrence. 1,809,396; June 9.
Packaging device. F. Watson. 1,826,536; Oct. 6.
Packaging dilator. H. W. Naylor. 1,799,059; Mar. 31.
Packaging for sheet material. O. T. Thompson. 1,797,380; Mar. 24.
Packaging machine. C. Baldenhofer. 1,831,837; Nov. 17.
Packaging machine. J. L. Kellogg, P. W. Foster, R. S. Poole, and M. Raymer. 1,824,401; Sept. 22.
Packaging machine. C. A. Matson. 1,797,173; Mar. 17.
Packaging machine. M. J. Milmoe. 1,818,496; Aug. 11.
Packaging machine. G. W. Mudd. 1,803,123; Apr. 28.
Packaging machine. G. W. Mudd. 1,821,111; Sept. 1.
Packaging machine. E. P. Wetmore. 1,835,547; Dec. 8.
Packaging machines, Dating attachment for. M. H. Kern. 1,811,358; June 23.
Packaging means. F. H. Sherman. 1,815,683; July 21.
Packaging method and apparatus. A. W. Bell and E. E. Eldredge. 1,816,202; July 28.
Packer. A. Boynton. 1,814,117; July 14.
Packer. F. V. Crowell. 1,803,841; May 5.
Packer. E. Gray. 1,811,047; June 23.
Packer. G. A. Humason. 1,804,619; May 12.
Packer and setting tool, Combination. G. A. Humason. 1,810,352; June 16.
Packer for centrifugal pumps. W. J. MacArthur. 1,831,571; Nov. 10.
Packer for hydraulic plungers, Expansible. E. E. Miller. 1,806,078; May 19.
Packer for pump liners. L. S. Hamer. 1,832,115; Nov. 17.
Packer for use with overshot, Novel. G. Meyer. 1,822,412; Sept. 8.
Packer, Well. G. A. Spang. 1,804,818; May 12.
Packet of firecrackers with sealed band. W. E. Priestley. 1,824,367; Sept. 22.
Packet-package and dispensing apparatus. S. Cooper. 1,827,354; Oct. 13.
Packet, Record supply. J. S. Fleming. 1,801,492; Apr. 21.
Packets, Method of and apparatus for tying. H. Brüninghaus. 1,811,744; June 23.

Packing. O. D. H. Bentley. 1,813,016; July 7.
Packing. G. B. Cutting. 1,821,964; Sept. 8.
Packing. E. Edwin. 1,814,908; July 14.
Packing. E. N. Fox. 1,809,407; June 9.
Packing. G. Jaeger. 1,795,129; Mar. 3.
Packing. B. P. Joyce. 1,814,704–5; July 14.
Packing. B. P. Joyce. 1,835,877; Dec. 8.
Packing. A. P. Petre. 1,801,688; Apr. 21.
Packing. T. I. Potter. 1,789,497; Jan. 20.
Packing. H. R. Ricardo. 1,790,767; Feb. 3.
Packing. H. C. Ruggles. 1,807,555; May 26.
Packing. E. W. Stevens. 1,792,875; Feb. 17.
Packing. H. Talent. 1,800,233; Apr. 14.
Packing. H. R. Williams. 1,824,061; Sept. 22.
Packing and scraping device, Piston rod. E. N. Fox. 1,828,178; Oct. 20.
Packing and scraping means, Piston rod. E. N. Fox and E. Hampshire. 1,822,521; Sept. 8.
Packing apparatus. D. W. Wadsworth. 1,799,938; Apr. 7.
Packing, Automatically-adjustable seal. E. Wilson. 1,788,966; Jan. 13.
Packing box. U. Kawasaki. 1,789,075; Jan. 13.
Packing box. J. G. Kilmer. 1,833,081; Nov. 24.
Packing box. J. H. Reedy. 1,804,810; May 12.
Packing box for attaching means. W. J. Spiro. 1,822,246; Sept. 8.
Packing case. W. E. Bowersock. 1,792,626–7; Feb. 17.
Packing case. W. E. Bowersock. 1,800,713; Apr. 14.
Packing case. G. A. Copeland. 1,821,692; Sept. 1.
Packing case. E. E. Maston. 1,800,841; Apr. 14.
Packing case, Adjustable. A. L. Brack. 1,808,833; June 9.
Packing cord. W. W. Sackner. 1,821,582; Sept. 1.
Packing cradle. G. E. P. Wright and E. G. Maxwell. 1,798,574; Mar. 31.
Packing device. J. W. Tatter. 1,837,239; Dec. 22.
Packing device. J. A. Tremblay and J. O. Dumoulin 1,833,764; Nov. 24.
Packing device. S. G. Wingquist. 1,826,914; Oct. 13.
Packing device and case. W. E. Bowersock. 1,798,779; Mar. 31.
Packing, Device for. T. J. McEllin. 1,838,274; Dec. 29.
Packing device for engines. C. Langner. 1,792,591; Feb. 17.
Packing device, Oil well. B. S. Minor. 1,812,358; June 30.
Packing, Fibrous. E. D. Rattigan. 1,838,189; Dec. 29.
Packing, Flexible. L. M. Persons. 1,808,786; June 9.
Packing, Flexible. N. N. Volodimirov. 1,807,139; May 26.
Packing, Fluid tight. F. E. Wilsey. 1,818,595; Aug. 11.
Packing for centrifugal pumps. C. A. Schellens. 1,825,251; Sept. 29.
Packing for closures. J. J. McLaughlin. 1,801,442; Apr. 21.
Packing for connecting rods, pump shafts, and the like. J. M. Lindgren. 1,831,674; Nov. 10.
Packing for fragile articles. F. D. Gray. 1,808,136; June 2.
Packing for fragile articles. L. Mann. 1,791,629; Feb. 10.
Packing for heat exchangers, Baffle. H. W. How. 1,822,698; Sept. 8.
Packing for pipe cutter and valve inserting machine. J. M. Wilkins. 1,805,710; May 19.
Packing for pistons and the like. S. M. Greenidge. 1,825,185; Sept. 29.
Packing for portable liquid fire extinguishers. K. Schmidt. 1,795,513; Mar. 10.
Packing for pumps. L. M. Persons. 1,787,700; Jan. 6.
Packing for reciprocating or rotating members. J. B. Mellor. 1,798,268; Mar. 31.
Packing for reciprocating shafts, Metallic. G. F. Jones. 1,819,559; Aug. 18.
Packing for rods and the like. G. R. Livergood. 1,825,004; Sept. 29.
Packing for rotatable members. B. F. Baker. 1,795,069; Mar. 3.
Packing for shafts. N. Troyer. 1,812,385; June 30.
Packing for the impression cylinder of printing machines, Producing. C. Winkler. 1,831,761; Nov. 10.
Packing for turbines, Labyrinth. L. F. Moody. 1,820,150; Aug. 25.
Packing for weirlocks, Bottom. K. Zimmermann. 1,814,881; July 14.
Packing for weirs, Lateral. T. Becher. 1,828,219; Oct. 20.
Packing gland. R. C. Allen. 1,824,863; Sept. 29.
Packing, Gland. R. C. Allen. 1,827,866; Oct. 20.
Packing gland. F. Van Bezel. 1,811,735; June 23.
Packing head. E. Timbs. 1,834,190; Dec. 1.
Packing, Hood. A. E. Wilkins and M. F. Smith. 1,823,812; Sept. 15.
Packing, Hydraulic piston. H. J. B. Scharnberg. 1,808,973; June 9.
Packing, Joint. J. H. Holmgreen. 1,819,417; Aug. 18.
Packing, Labyrinth. K. Baumann. 1,831,224; Nov. 10.
Packing, Labyrinth. H. J. Hanzlik. 1,831,242; Nov. 10.
Packing, Labyrinth. F. Hodgkinson. 1,810,372; June 16.
Packing, Labyrinth gland. K. Baumann. 1,810,371; June 16.
Packing lubricator. W. L. Simmons. 1,832,252; Nov. 17.
Packing machine. M. Chambers and A. F. Sisk. 1,816,251; July 28.
Packing machine. W. F. Hendry. 1,824,432; Sept. 22.
Packing machine. G. W. Mudd. 1,831,130; Nov. 10.
Packing machines for feeding and adjusting cigarettes, Apparatus for use with. A. Ritscher. 1,809,219; June 9.
Packing means, Working barrel. R. L. Davis. 1,828,030; Oct. 20.
Packing material. A. C. Fischer. 1,809,801; June 9.
Packing material. J. N. Vandegrift. 1,820,955; Sept. 1.
Packing material and making same. M. Koppelman. 1,796,794; Mar. 17.
Packing material, Water repellent. C. Gottwald. 1,801,500; Apr. 21.
Packing means for food materials. M. E. Miller. 1,824,359; Sept. 22.
Packing means for internal combustion engines. F. E. Gough. 1,799,294; Apr. 7.
Packing, Metallic. J. Mellar. 1,809,056; June 9.
Packing, Metallic rod. J. Badeker. 1,803,990; May 5.
Packing, Oakum. A. C. Fischer. 1,834,912; Dec. 1.
Packing of glass and other very fragile articles, Device for breakage-proof. W. Lindermann. 1,827,322; Oct. 13.
Packing of hot-oil pumps, Cooling. L. C. Huff. 1,800,833; Apr. 14.
Packing or gasket material, Sheet. M. T. Rhodes. 1,789,114; Jan. 13.
Packing or shipping box. E. C. Potter. 1,790,676; Feb. 3.
Packing overshot. M. S. Black and F. M. Brambley. 1,824,191; Sept. 22.
Packing, Piston. J. G. Hodge. 1,811,012; June 23.
Packing, Piston. G. V. Panyard. 1,827,903; Oct. 20.
Packing, Pump. W. J. MacArthur. 1,831,572; Nov. 10.
Packing, Pump. K. T. and A. J. Penick and H. W. Millmine. 1,817,095; Aug. 4.
Packing rack, Sheet-. J. H. Victor. 1,793,766; Feb. 24.
Packing ring. T. A. Bowers. Re18,102; June 16.
Packing ring. R. G. Dykeman 1,793,916; Feb. 24.
Packing ring. C. S. Kelley. 1,805,668; May 19.
Packing ring. A. W. Wenzel. 1,803,955; May 5.
Packing ring. G. F. Yevseyeff. 1,799,577; Apr. 7.
Packing ring for pumps. J. G. Dobbins. 1,826,057; Oct. 6.
Packing ring for slip-joint pipe connections, Metallic. A. C. Recker. 1,799,246; Apr. 7.
Packing-ring retainer. E. H. Markeley. 1,798,746; Mar. 31.
Packing ring, Three-ply. T. A. Bowers. 1,796,882; Mar. 17.
Packing ring with inclosed expander, Single-ply. T. A. Bowers. 1,796,883; Mar. 17.
Packing ring with inclosed expander, Single-ply duplex-metal. T. A. Bowers. 1,798,927; Mar. 31.
Packing, Rod. W. Sudekum. 1,795,687; Mar. 10.
Packing. Self adjusting metallic gland. C. F. Thomas. 1,826,967; Oct. 13.
Packing, Sheet. C. F. Hettinger. 1,808,774; June 9.
Packing stand. D. B. Henley. 1,829,281; Oct. 27.
Packing stand. F. Myers. 1,832,410; Nov. 27.
Packing, Steering column. G. E. Grimm. 1,803,013; Apr. 28.
Packing structure. N. D. Clark. 1,804,088; May 5.
Packing structure for pistons. B. F. Green. 1,793,794; Feb. 24.
Packing, Stuffing-box. F. E. Smith and D. W. Cole. 1,788,496; Jan. 13.
Packing table. C. F. McCauley and F. A. Weaver. 1,794,701; Mar. 3.
Packing thrust washer, Metallic-. W. J. MacArthur. 1,798,799; Mar. 31.
Packing train, Spring compressed. D. R. Yarnall. 1,791,610; Feb. 10.
Packing, Ventilated cushion. G. W. Swift, jr. 1,830,492; Nov. 3.
Packing, Well plunger. E. S. Sloan. 1,827,880; Oct. 20.
Packings for use between rotary and stationary machine parts. O. A. Wibert. 1,807,460; May 26.
Pad: *See*—

Abrasive pad
Baking pad.
Blotting pad.
Box pad.
Buffer pad.
Calendar pad.
Cleaning pad.
Conveyer pad.
Cushion pad.
Cushioning pad.
Desk pad.
Ear pad.
Fabric pad.
Floor pad.
Football blocking pad.
Hand pad.
Heel pad.
Hood pad.
Ink pad.
Inking pad.
Lingerie pad.
Lubricating pad.
Memorandum pad.
Musical instrument pad.
Pedal pad.
Pressing machine pad.
Recoil pad.
Rotary foot pad.
Rubbing or sanding pad.
Saxophone key pad.
Steel wool pad.
Stamp pad.
Tissue pad.

Pad. G. de Pamphilis. 1,805,761; May 19.
Pad and casing, Powder. C. P. Evans. 1,814,373; July 14.
Pad and holder, Steel wool. W. H. Robbins. 1,807,137; May 26.
Pad and holder therefor. I. E. Pratt. 1,806,950; May 26.
Pad and pocket pieces therefor, Desk. M. S. Lower. 1,813,501; July 7.
Pad appliance, Menstrual. C. Cecil-Reaney. 1,837,483; Dec. 22.
Pad, cushion or the like. C. Diehl. 1,826,304; Oct. 6.

Pad-feeding means. F. J. Kristofek and O. W. Hammerquist. 1,796,334; Mar. 17.
Pad filling apparatus. T. L. McJoynt. 1,828,673; Oct. 20.
Pad for cosmetics, Applicator. B. Ames. 1,836,833; Dec. 15.
Pad for football players. H. H. Jones. 1,805,734; May 19.
Pad for garments. A. G. Sladdin. 1,788,126; Jan. 6.
Pad for gunstocks, Cushion. V. J. Crisler. 1,795,840; Mar. 10.
Padding for ironing machines, Resilient. A. H. Adams. 1,837,008; Dec. 15.
Pad for saddles. J. B. Kopf. 1,824,488; Sept. 22.
Pad for shipping radio sets and the like, Safety. H. Malis. 1,822,899; Sept. 15.
Pad for use in the permanent waving of hair. H. Speetjens. 1,800,111; Apr. 7.
Pad-making machine. W. Bauer. 1,794,358; Mar. 3.
Pad or recording device, Writing. J. B. Carroll. 1,822,200; Sept. 8.
Pad or similar article, Recoil. S. T. Anderson. Des. 83,086; Jan. 20.
Padded box, Collapsible. O. W. Foss. 1,816,321; July 28.
Padding or tableting device. C. C. Chamberlain. 1,792,675; Feb. 17.
Paddle, Canoe. H. B. Herring. 1,789,749; Jan. 20.
Paddle, Canoe. H. B. Herring. 1,807,289; May 26.
Paddle, Canoe. H. Korth. 1,817,414; Aug. 4.
Paddle mechanism for circulating molten glass. A. F. McNish. 1,792,386; Feb. 10.
Paddle wheel. G. T. Heckman. 1,820,307; Aug. 25.
Padlock. E. N. Jacobi. 1,835,709; Dec. 8.
Padlock. J. Kebola. 1,836,667; Dec. 15.
Padlock. C. Ledin. 1,796,467; Mar. 17.
Padlock. F. A. Russell. 1,824,301; Sept. 22.
Padlock. P. Sczepczenski. 1,793,432; Feb. 17.
Padlock. E. B. Stone. Des. 83,283; Feb. 10.
Padlock. E. B. Stone. Des. 83,478; Feb 24.
Padlock, Finger operable. G. M. Miller. 1,835,317; Dec. 8.
Pads, Machine for making catamenial. H. F. Vieau. 1,832,825; Nov. 17.
Pads, Making excelsior. A. T. Kockritz and K. Petrasch. 1,823,832; Sept. 15.
Pads, Manufacturing flexible. O. G. Schmitt. 1,822,377; Sept. 8.
Pads, Process and apparatus for manufacturing flexible. O. G. Schmitt. 1,822,376; Sept. 8.
Pads to leaf springs, Securing antifriction. A. A. Schupp. 1,808,822; June 9.
Page-end signaling device. E. I. Gale. 1,821,831; Sept. 1.
Page numbering machine. J. H. Reinhardt. 1,821,360; Sept. 1.
Page numbering sheets for books. D. A. McIntyre. 1,823,692; Sept. 15.
Paging system. R. B. Baker. 1,795,536; Mar. 10.
Pail, Fruit picking. A. J. Krantz. 1,805,287; May 12.
Paint. H. Bernard. 1,833,274; Nov. 24.
Paint. H. E. Lloyd. 1,833,612; Nov. 24.
Paint and enamal composition. E. A. Munns. 1,821,444; Sept. 1.
Paint box. Sheet-metal. H. Liebetruth. 1,792,433; Feb. 10.
Paint burner, Electric. C. H. Beach. 1,789,269; Jan. 13.
Paint composition. J. R. Durbon. 1,808,841; June 9.
Paint, Composition roof. J. D. Walston. 1,791,455; Feb. 3.
Paint conditioning machine. E. Skillman. 1,831,888; Nov. 17.
Paint, enamel, etc., Removing. L. C. Moore and W. T. Jackson. Re18,242; Nov. 3.
Paint for application to rubber and rubber surfaces. D. J. Burke. 1,814,823; July 14.
Paint, Marine. G. Goetz. 1,803,607; May 5.
Paint, Plastic. J. F. Haggerty and D. D. Crandall. 1,814,086; July 14.
Paint spraying apparatus. W. C. Beach. 1,812,854; July 7.
Paint-spraying apparatus. A. F. Jenkins. 1,800,451; Apr. 14.
Paint spraying device. A. H. Downs. 1,802,141; Apr. 21.
Paint spraying machines, Combined pressure control and water separation device for. F. A. Tittemore. 1,807,230; May 26.
Paint, Steel preservative. C. H. Cox. 1,811,040; June 23.
Paint surfacing and distributing machine for dipped shingles. J. A. McKercher. 1,794,702; Mar. 3.
Painting apparatus. J. N. Georgas. 1,829,589; Oct. 27.
Painting device. M. Tibbetts. 1,824,514; Sept. 22.
Painting instrument. J. M. Christman. 1,830,089; Nov. 3.
Painting mechanism, Rotary. C. A. Wood. 1,835,106; Dec. 8.
Paints, Producing bright. C. Nittinger. 1,795,962; Mar. 10.
Pair furnace. W. Isaacs and E. E. McVey. 1,788,796; Jan. 13.
Pajama garment, Negligée. M. E. Hadad. 1,818,849; Aug. 11.
Pajamas. M. C. Schrank. 1,831,769; Nov. 10.
Pajamas, Detachable tape adjuster for. A. P. Lubell, 1,826,803; Oct. 13.
Pallet for sintering machines. R. W. Hyde. 1,838,403; Dec. 29.
Pallet stones in escapement levers, Device for adjusting the. R. Schwaar. 1,824,691; Sept. 22.
Pan: *See*—
Bake pan.
Broiler pan.
Cup cake pan.
Drain pan.
Eviscerating and inspection pan.
Pneumatic discharge pan.
Refrigerating pan.
Vacuum pan.
Vegetable pan.
Pan attachment, Pie. B. Henning. 1,832,117; Nov. 17.
Pan for absorbers, Collector. J. A. Campbell. 1,790,224; Jan. 27.
Pan for carburetors, Drip. E. T. Larkin. 1,789,005; Jan. 13.
Pan for crushing mills. S. B. Stine. 1,800,705; Apr. 14.
Pan for internal combustion engines, Oil. G. Tallon. 1,805,729; May 19.
Pan for keeping paint brushes soft and ready for use. J. Kessler. 1,813,670; July 7.
Pan for radiators, Evaporator drip. I. Weiss. 1,813,978; July 14.
Pan for refrigerators, Ice cube. A. G. de Weal. 1,804,324; May 5.
Pan greasing machine. W. B. Bronander. 1,810,943; June 23.
Pan greasing machine. J. Chvojka. 1,809,581; June 9.
Pan greasing machine. W. J. Graybill. 1,816,148; July 28.
Pan-greasing machine. R. Morton. 1,792,699; Feb. 17.
Pan hopper and valve, Double-. J. C. Schumacher. 1,789,844; Jan. 20.
Pan lifter. R. L. Dingle. 1,800,781; Apr. 14.
Pan liner, Corrugated baking. J. A. Scott. 1,811,566; June 23.
Pan puller for stove ovens. W. E. Huenefeld. 1,838,552; Dec. 29.
Pan structure, Multiple baking. E. H. Chandonia. 1,830,191; Nov. 3.
Pan unit, Baking. H. A. Lockwood. 1,826,080; Oct. 6.
Pans and covers, Holder for. B. A. Kottke. 1,800,646; Apr. 14.
Pans, Attachment for frying. M. E. Asadoorian. 1,807,271; May 26.
Pans, Making multiple baking. E. Katzinger. 1,789,981; Jan. 27.
Panel. W. T. Hormes. Des. 83,444; Feb. 24.
Panel. W. T. Hormes. Des. 83,538; Mar. 3.
Panel, Automobile dash. H. J. Woodall and M. S. Randall. 1,801,786; Apr. 21.
Panel block, Distributing-. B. F. Fuller. 1,794,952; Mar. 3.
Panel board. F. B. Adam. 1,815,038; July 21.
Panel board, Electric control. C. T. Hollingsworth. Des. 83,677; Mar. 17.
Panel construction. W. S. Pritchard. 1,792,705; Feb. 17.
Panel, Flight. E. A. Sperry, jr. 1,836,881; Dec. 15.
Panel for a mattress cover, Textile. C. Lofman. Des. 85,106; Sept. 15.
Panel for a thirst station, Front. E. M. Morris. Des. 84,296; June 2.
Panel for concealed radiator cabinets. W. Shurtleff. Des. 83,135; Jan. 20.
Panel for concealed radiator cabinets. W. Shurtleff. Des. 84,661; July 14.
Panel for doors and the like. C. T. Hatch. 1,802,600; Apr. 28.
Panel for electric railway switches, Control. W. S. Eppley. 1,837,956; Dec. 22.
Panel for lamp shades and other purposes, Translucent. A. M. Goodloe. 1,813,492; July 7.
Panel or similar article, Radios. I. Kaplan. Des. 85,582; Nov. 17.
Panel retaining means. C. K. Rice. 1,830,038; Nov. 3.
Panel, Sheet-metal. E. N. Winslow. 1,797,706; Mar. 24.
Panel unit. J. A. Bohnsack. 1,816,512. July 28.
Panel unit, Transparent. G. Leibe. 1,812,796; June 30.
Panels and the like, Apparatus for the molding of. M. M. Queinnec. 1,837,996; Dec. 22.
Panels, Embossing. H. Kaplan. 1,800,799; Apr. 14.
Panels in sheets, Forming. A. Anderson. 1,837,391; Dec. 22.
Pantograph. J. A. Clarke, jr. 1,824,871; Sept. 29.
Pantograph, Parallelogram-type. P. Käppler. 1,811,940; June 30.
Pants, Child's legging. H. G. Mayer. 1,823,458; Sept. 15.
Paper. J. A. Lowe. 1,818,726; Aug. 11.
Paper. J. A. Lowe. 1,826,557; Oct. 6.
Paper. G. D. MacKrell. Des. 83,460; Feb. 24.
Paper. G. J. Manson. 1,800,551; Apr. 14.
Paper and cardboard during the manufacture on paper making machines, Apparatus for dyeing. P. Schumacher. 1,823,845; Sept. 15.
Paper and making same, Waterproof. L. Kirschbraum. 1,827,700; Oct. 13.
Paper and making the same. H. R. Rafton. 1,808,067; June 2.
Paper and making the same, Black line photographic sensitized. R. Omoto. 1,805,592; May 19.
Paper and making the same, Mineral fiber. A. L. Kennedy. 1,834,844; Dec. 1.
Paper and paper board, Manufacturing. L. M. Booth. 1,788,790; Jan. 13.

Paper and process and machine to be employed in the manufacture of the same, Reenforced. J. W. Marshall. 1,821,067; Sept. 1.
Paper and product therefrom, Sizing. E. J. Johnstone. 1,830,607; Nov. 3.
Paper and the like and manufacture of the same, Colored and tinted parchment. R. I. Cowen. 1,790,367; Jan. 27.
Paper and the like in folding, ruling, and other machines, Turning sheets of. H. Mason. 1,826,624; Oct. 6.
Paper, Apparatus and method of marbling. F. G. Crane and J. M. Ward. 1,808,021; June 2.
Paper, Apparatus and method of ornamenting. F. G. Crane and J. M. Ward. 1,804,495; May 12.
Paper, Apparatus for making. J. A. Heany. 1,836,467; Dec. 15.
Paper, Apparatus for use in finishing. S. W. Webb, J. G. Callan, and A. Allen. 1,804,483; May 12.
Paper applicator, Wall-. R. A. Carter. 1,797,854; Mar. 24.
Paper bag. I. B. Blake. 1,826,646; Oct. 6.
Paper bag machine. W. L. Taylor. 1,824,383; Sept. 22.
Paper-bag-making machines, Ejecting device for the folding mandrels of. P. Gangler. 1,799,845; Apr. 7.
Paper board and making the same, Corrugated. C. J. Schoo. 1,796,542; Mar. 17.
Paper box. H. Carle. 1,797,404; Mar. 24.
Paper box. H. Deutschmeister. 1,791,196; Feb. 3.
Paper box. E. W. Labombarde. 1,793,102; Feb. 17.
Paper box. S. Raftenberg. 1,838,154; Dec. 29.
Paper box making machine. O. W. Cowgill. 1,814,369; July 14.
Paper box making machinery. P. W. Fleischer and M. Feybusch. 1,821,700; Sept. 1.
Paper, cardboard, and the like, Manufacture of unbleached. V. W. d'Obry. 1,791,092; Feb. 3.
Paper carriage. R. L. Muller. 1,814,178; July 14.
Paper, cellulose, and the like, Method and apparatus for the freeing from water of webs of. A. Danninger, H. Schmolka, and R. Kastner. 1,802,407; Apr. 28.
Paper clamp. H. R. Kitts and C. K. Bong. 1,838,410; Dec. 29.
Paper coating, composition. D. B. Bradner. 1,826,726; Oct. 13.
Paper colored with sulphonic-acid compounds of dyestuffs obtainable from higher molecular diarylamino benzoquinones. G. Kranzlein, H. Greune, M. Thiele and K. Hager. 1,798,544; Mar. 31.
Paper-corrugating machine. C. J. Schoo. 1,796,541; Mar. 17.
Paper corrugating machine. K. Sieg. 1,810,930; June 23.
Paper cup machine. C. F. Smith. 1,818,279; Aug. 11.
Paper cup machine. C. F. Smith. 1,833,377; Nov. 24.
Paper cutter. P. A. Aspenleiter. 1,819,727; Aug. 18.
Paper cutter, Roll-. J. W. McClintock. 1,797,432; Mar. 24.
Paper cutter, Roofing. J. A. Roberts. 1,828,621; Oct. 20.
Paper cutting and grip-facilitating device. L. E. Little and H. T. Maib. 1,831,746; Nov. 10.
Paper cutting and trimming machine and gauge and gauge-stop, carrier, hold-down and safety mechanism. E. M. Brackett and D. Daneke. 1,805,128; May 12.
Paper, Decorating. H. M. Ross. 1,809,146; June 9.
Paper, Decorating. H. M. Ross. 1,810,145; June 16.
Paper, Decorating. H. M. Ross. 1,819,793; Aug. 18.
Paper-developing apparatus. K. Murck. 1,795,344; Mar. 10.
Paper-developing attachment. K. Murck. 1,800,697; Apr. 14.
Paper, Device for indicating cutting marks on. H. Brown. 1,830,897; Nov. 10.
Paper dispensing apparatus. C. W. Elder. 1,837,418; Dec. 22.
Paper dispensing device, Toilet. P. D. Parsons. 1,815,068; July 21.
Paper drill. H. D. Mielke. 1,808,472; June 2.
Paper, Embossed glassine. E. H. Scheele. Des. 84,057; Apr. 28.
Paper feeder. T. W. Horn. 1,838,624; Dec. 29.
Paper feeder, Vacuum. J. Zanetti. 1,825,765; Oct. 6.
Paper feeding machine. H. Hallstream. 1,810,171; June 16.
Paper filled with alkaline filler, Producing. H. R. Rafton. 1,808,070–1; June 2.
Paper, Folding. R. Hitchcock. 1,831,246; Nov. 10.
Paper, Folding apparatus. F. M. Scudds. 1,823,475; Sept. 15.
Paper folding and wire stitching machine. O. Kleinschmit. 1,837,910; Dec. 22.
Paper folding machine. C. L. Burdick. 1,824,073; Sept. 22.
Paper folding machine. O. Kleinschmit. 1,827,589; Oct. 13.
Paper folding machine. O. Kleinschmit, M. Apitzsch, and E. Felsch. 1,832,988; Nov. 24.
Paper folding machine. E. R. Stealy. 1,809,000; June 9.
Paper folding machines, Sheet overturning means for. R. J. Waterworth. 1,813,476; July 7.
Paper folding machines, Web manipulating mechanism for. H. A. W. Wood. 1,834,665; Dec. 1.
Paper for the insulation of electric cables, Wrapping. C. A. Haanen and H. Meurer. 1,808,407; June 2.
Paper glazed and/or colored on one face, Apparatus for the production of. V. Antoine. 1,818,982; Aug. 18.
Paper handling device. S. Johansen. 1,821,713; Sept. 1.
Paper handling device. G. N. Towers. 1,837,507; Dec. 22.
Paper handling machine. R. Hitchcock. 1,825,398; Sept. 29.
Paper handling machine. E. E. Palmer. 1,802,775; Apr. 28.
Paper, Imparting high finish to. A. L. Clapp. 1,797,048; Mar. 17.
Paper in one operation, Method of and apparatus for printing and waxing. H. C. Cole. 1,792,414; Feb. 10.
Paper interfolding machine. L. A. Straubel. 1,804,847; May 12.
Paper in the form of a continuous web, Drying. E. A. Öhlin. 1,830,287; Nov. 3.
Paper, Laminated ornamental. C. M. Bryan. 1,818,459; Aug. 11.
Paper-like product and making the same. K. L. Moses. 1,819,435; Aug. 18.
Paper machine. W. Giebeler. 1,822,023; Sept. 8.
Paper machine. F. S. McDonnell. 1,839,158; Dec. 29.
Paper machine. N. J. Niks. 1,818,267; Aug. 11.
Paper machine, Fourdrinier. A. Aldrich. 1,790,082; Jan. 27.
Paper machine in order to prevent breakage of the paper on the couch press or wire cloth. N. A. Jacobsen. 1,791,412; Feb. 3.
Paper machine operation, Improving. H. R. Rafton. 1,808,072–3; June 2.
Paper machines, Automatic steam control and differential for. C. Stickle. 1,817,110; Aug. 4.
Paper machines, Automatic stock regulator for. F. H. Maxey. 1,838,563; Dec. 29.
Paper machines, Preventing breaks on. H. R. Rafton. 1,821,849; Sept. 1.
Paper, Making. W. P. Argy. 1,836,834; Dec. 15.
Paper making. H. G. Cram and R. V. Weldon. 1,789,515; Jan. 20.
Paper, Making. A. C. Dreshfield. 1,836,455; Dec. 15.
Paper, Making. L. Kirschbraun. 1,802,561; Apr. 28.
Paper, Making coated. D. B. Bradner. 1,838,358; Dec. 29.
Papermaking compositions. G. A. Richter. 1,824,837; Sept 29.
Paper, Making deckle edge. W. J. Lamory. 1,810,316; June 16.
Paper, Making fast colored crepe. G. H. Sayler. 1,805,013; May 12.
Paper-making fibers, Sizing. J. A. De Cew. 1,799,216; Apr. 7.
Paper making machine. A. Aldrich and E. E. Berry. 1,818,777; Aug. 11.
Paper making machine. E. E. Berry. 1,818,681; Aug. 11.
Paper making machine. E. E. Berry. 1,833,350; Nov. 24.
Paper-making machine. A. E. Cofrin. 1,790,536; Jan. 27.
Paper making machine. A. E. Cofrin. 1,826,735; Oct. 13.
Paper making machine. W. H. Millspaugh. 1,808,055; June 2.
Paper making machine. A. Schubert. 1,821,583; Sept. 1.
Paper making machine. W. P. Schweitzer. 1,820,165; Aug. 25.
Paper making machine. W. R. Thomson. 1,827,177; Oct. 13.
Paper making machine. C. W. Valentine. 1,803,044; Apr. 28.
Paper making machine. G. S. Witham, sr. 1,812,278; June 30.
Paper making machine. G. S. Witham, sr. 1,838,603; Dec. 29.
Paper making machine and process. A. E. Cofrin. 1,832,844 Nov. 24.
Paper-making machine, Fourdrinier. S. Milne. 1,798,801; Mar. 31.
Paper-making machinery. H. L. Kutter. 1,797,290–1; Mar. 24.
Paper-making machinery. H. L. Kutter. 1,798,887; Mar. 31.
Paper making machinery. H. L. Kutter. 1,818,719; Aug. 11.
Paper making machinery. H. L. Kutter. 1,834,852; Dec. 1.
Paper-making machinery. D. L. Sheafor. 1,791,384; Feb. 3.
Paper making machines, Inlet for. F. Hilsheimer. 1,809,937; June 16.
Paper-making machines, Metallic cloth for. R. Kastner. 1,794,624; Mar. 3.
Paper making machines, Suction device of. T. Yonekura. 1,810,456; June 16.
Paper-making machines, Traversable suction roll for. W. H. Millspaugh. 1,789,445; Jan. 20.
Paper making machines, Winder roll for. J. M. Gallacher. 1,813,920; July 14.
Paper making material, Manufacture of. N. Osawa. 1,833,852; Nov. 24.
Paper making material, Manufacture of. K. Watanabe. 1,833,804–5; Nov. 24.
Paper making, Method of and apparatus for. H. Parker. 1,833,910; Dec. 1.
Paper making roll and covering it. A. LeR. Bolton. 1,829,630; Oct. 27.
Paper manufacture. A. L. Clapp. 1,820,962; Sept. 1.
Paper manufacture. H. P. Rafton. 1,813,362; July 7.
Paper manufacture. H. R. Rafton. 1,834,903; Dec. 1.
Paper manufacture. E. Sutermeister and J. A. Warren. 1,838,969; Dec. 29.

Paper manufacture. A. J. Wildman. 1,827,923; Oct. 20.
Paper manufacture. H. R. Williams. 1,806,273; May 19.
Paper manufacture. W. J. Zimmerman. 1,821,198; Sept. 1.
Paper, Manufacture and production of cigarette. J. F. M. Crolard. 1,790,574; Jan. 27.
Paper manufacture and the product thereof, Elimination of foam in. H. R. Rafton. 1,831,928; Nov. 17.
Paper manufacture, Eliminating foam in. H. R. Rafton. 1,803,649; May 5.
Paper, Manufacture of. D. K. Pattillo. 1,797,789; Mar. 24.
Paper, Manufacture of. H. R. Rafton. 1,808,068–9; June 2.
Paper, Manufacture of. H. R. Rafton. 1,810,728–9; June 16.
Paper, Manufacture of. J. H. Watson and H. E. Anderson. 1,834,363; Dec. 1.
Paper, Manufacture of carbonate filled sized. H. R. Rafton. 1,803.647; May 5.
Paper, Manufacturing. L. P. Schweitzer. 1,789,452; Jan. 20.
Paper-manufacturing machine with raising felt. E. M. Veyron. 1,798,821; Mar. 31.
Paper, Mechanism for superimposing sheets of. P. J. Christman, jr. 1,789,965; Jan. 27.
Paper message sheet. E. C. Tucker and F. J. Roche. 1,838,885; Dec. 29.
Paper, Method of and apparatus for making. C. J. Barnes. 1,799,350; Apr. 7.
Paper, Method of and apparatus for making. A. M. Hinkson. 1,818,712; Aug. 11.
Paper, Method of and apparatus for making multiply. M. H. Kliefoth. 1,818,716; Aug. 11.
Paper mill, Cylinder. U. Kirchner and G. Strecker. 1,793,230; Feb. 17.
Paper napkin, Embossed. E. Dahl. Des. 84,028; Apr. 28.
Paper oiler, waxer, and moistener. R. Mowrey. 1,827,667; Oct. 13.
Paper or other fibrous product. C. Ellis. 1,835,766; Dec. 8.
Paper or similar article, Wall. J. Artim. Des. 83,943; Apr. 21.
Paper or similar article, Wall. E. Ericson. Des. 85,466–7; Nov. 3.
Paper or similar article, Wall. A. Martinek. Des. 85,485; Nov. 3.
Paper or similar article, Wall. J. G. Prager. Des. 85,492; Nov. 3.
Paper or similar material, Box covering. J. N. Hazen. Des. 85,524; Nov. 10.
Paper or similar material, Wall. A. Martinek. Des. 83,164–7; Jan. 27.
Paper or similar material, Wall. A. Martinek. Des. 83,557–8; Mar. 3.
Paper or similar material, Wall. J. G. Prager. Des. 83,348–50; Feb. 17.
Paper, Ornamental. E. J. Kiefer. 1,801,313; Apr. 21.
Paper package, Wax. N. Marcalus. 1,827,029; Oct. 13.
Paper package for burial caskets, Corrugated. G. B. Beaman. 1,807,770; June 2.
Paper, pasteboard, felt and the like, Manufacturing. A. W. Andernach. 1,808,590; June 2.
Paper perforating device for typewriters. G. De Pamphilis. 1,818,046; Aug. 11.
Paper, Process and apparatus for making. L. W. Case. 1,815,237; July 21.
Paper, Process and apparatus for manufacturing. J. H. Spohn, jr. 1,809,427; June 9.
Paper product and making the same. H. R. Rafton. 1,803,642–3; May 5.
Paper product and making the same. H. R. Rafton. 1,803,645; May 5.
Paper product and making the same. H. R. Rafton. 1,819,441; Aug. 18.
Paper product and producing the same. W. C. Lodge. 1,792,382; Feb. 10.
Paper-product-making machine. L. P. Willsea. 1,792,623; Feb. 17.
Paper products, Preparing and impregnating. C. Dreyfus and G. W. Miles. 1,829,585; Oct. 27.
Paper pulp coming from the wet machine, Storing. J. E. Hanny. 1,800,215; Apr. 14.
Paper pulp from bagasse and other gramineæ plants, Manufacturing. T. Hagiwara. 1,825,349; Sept. 29.
Paper pulp, Manufacturing. H. D. Wagnon. 1,812,575; June 30.
Paper pulp, Manufacture of. E. Wahlforss. 1,816,879; Aug. 4.
Paper pulp, Method of and apparatus for producing. R. B. Wolf. 1,837,309; Dec. 22.
Paper pulp, System of and apparatus for the treatment of. W. V. Knoll. 1,793,095; Feb. 17.
Paper, Reenforcing porous. E. F. Woodward. 1,831,403; Nov. 10.
Paper roll. W. V. Hunt. 1,819,895; Aug. 18.
Paper, Roll. G. T. Johnson. 1,817,897; Aug. 4.
Paper roll container. J. E. Baum. Des. 84,805; Aug. 11.
Paper roll handling mechanism. W. G. Wehr. 1,807,360; May 26.
Paper-roll-controlling device. H. A. W. Wood. 1,788,648; Jan. 13.
Paper roll winding mechanism. C. W. Valentine and A. F. Helin. 1,803,043; Apr. 28.
Paper roller mechanism. C. W. Crumrine. 1,809,024; June 9.
Paper-rolling machine. H. Andersson. 1,823,581; Sept. 15.
Paper, Safety. R. E. Bohrer. 1,799,499; Apr. 7.
Paper, Safety. J. Genoese. 1,804,978; May 12.
Paper, Safety. S. S. Himmell. 1,825,796; Oct. 6.
Paper, Safety. B. W. Smith. 1,817,171; Aug. 4.
Paper severing and dispensing means. R. L. Hallock. 1,838,307; Dec. 29.
Paper, Sheet of writing. P. Dixon. Des. 84,925; Aug. 25.
Paper-sheet stock, Feeding device for. P. R. Simmons. 1,789,160; Jan. 13.
Paper sheets, Apparatus for feeding. H. Praetzel. 1,815,419; July 21.
Paper sheets, Apparatus for insertion or assembly of. A. Winkler and M. Dunnebier. 1,833,311; Nov. 24.
Paper, Shelf. E. Karfiol. Des. 83,541; Mar. 3.
Paper shopping bag. W. H. Deubener. 1,805,810; May 19.
Paper, Sizing. E. Lecocq. 1,806,474; May 19.
Paper, Sizing. H. R. Rafton. 1,803,644; May 5.
Paper-sizing agent. A. W. Burwell. 1,791,860; Feb. 10.
Paper, Sizing carbonate filled. H. R. Rafton. 1,803,648; May 5.
Paper, Sizing carbonate filled. H. R. Rafton. 1,803,650–2; May 5.
Paper slide box, Self locking. R. Petersen and R. E. Farmer. 1,825,158; Sept. 29.
Paper-slitting machine. R. S. Johnston and S. M. Bratton. 1,797,662; Mar. 24.
Paper sorting machine. P. F. Denner and J. C. Estes. 1,812,201; June 30.
Paper, Spinning and treating. J. D. Cramer and A. J. Rogers. 1,823,258; Sept. 15.
Paper stock, Apparatus for regulating the consistency of. J. F. Grabowsky. 1,819,552; Aug. 18.
Paper stock from cornstalk pith, Preparation of parchment. E. R. Darling. 1,790,002; Jan. 27.
Paper stock, Producing. H. P. Bassett. 1,792,351; Feb. 10.
Paper tape machine. J. Olsen. 1,806,412; May 19.
Paper to be used for bank checks or for like purposes. E. P. Benson. Des. 83,590; Mar. 10.
Paper to printing presses, Apparatus for supplying. J. E. Rust. 1,811,214; June 23.
Paper, Treating. P. A. Gollnick. 1,800,214; Apr 14.
Paper, Treating. L. L. Leadbetter. 1,824,024; Sept. 22.
Paper trimmer. C. E. Galvin. 1,798,250; Mar. 31.
Paper trimmer. J. J. Kusiv. 1,821,716; Sept. 1.
Paper trimmer. C. T. Ridgely. 1,836,396; Dec. 15.
Paper tube cutter. A. C. Huston. 1,835,398; Dec. 8.
Paper tubes, Manufacture of. W. H. Woodford. 1,795,191; Mar. 3.
Paper vessels, Method and apparatus for making. H. G. Davis. 1,799,357; Apr. 7.
Paper, Waterproof. C. J. Strobel and A. P. Tallman. 1,803,816; May 5.
Paper, Waterproof polishing. C. Klingspor. 1,833,715; Nov. 24.
Paper, Waterproofing. W. H. Richardson. 1,791,040; Feb. 3.
Paper, Wax. A. S. Hammond. 1,824,885; Sept. 29.
Paper webs provided with areas of varnish, Device for continuously drying. P. Gangler. 1,838,480; Dec. 29.
Paper weight, calendar and blotter, Combined desk. W. C. Hiering. Des. 83,968; Apr. 21.
Paper winding apparatus. E. E. Berry. 1,826,041; Oct. 6.
Paper winding apparatus. E. E. Berry. 1,828,888; Oct. 27.
Paper-winding apparatus. J. H. Reedy. 1,793,559; Feb. 24.
Paper winding machine. K. Sieg. 1,827,802; Oct. 20.
Paper with thin edges, Method and apparatus for making photographic film backing. J. G. Jones and H. G. Dewey. 1,809,415; June 9.
Papers, Counting folded. A. H. Mackley. 1,796,758; Mar. 17.
Papers, Treatment of varnished wall. M. Gruin. 1,801,737; Apr. 21.
Parachute. L. Askam. 1,834,370; Dec. 1.
Parachute. C. Broadwick. 1,802,325; Apr. 28.
Parachute. C. Broadwick. 1,832,180; Nov. 17.
Parachute. J. L. Brown, jr. 1,816,927; Aug. 4.
Parachute. J. Hammerle. 1,826,245; Oct. 6.
Parachute. A. C. Jenezon. 1,803,903; May 5.
Parachute. A. Lehmann. 1,810,488; June 16.
Parachute. F. H. Packard. 1,816,986; Aug. 4.
Parachute. G. Trican. 1,838,970; Dec. 29.
Parachute. J. J. Wampach. 1,805,894; May 19.
Parachute, Aeroplane. J. Chab. 1,815,430; July 21.
Parachute, Aeroplane. A. Scoyni. 1,791,575; Feb. 10.
Parachute, Aeroplane rescue. A. Lehmann. 1,835,656; Dec. 8.
Parachute, Aircraft. F. Loske. 1,826,556; Oct. 6.
Parachute and launching apparatus therefor. M. S. Kelley. 1,799,376; Apr. 7.
Parachute, Automatic. G. E. Elia. 1,838,035; Dec. 22.
Parachute, Automatically opening. S. H. Knight. 1,829,561; Oct. 27.
Parachute construction. A. Johnson. 1,814,220; July 14.
Parachute construction for aeroplanes. A. Fontanarosa and F. Carino. 1,796,838; Mar. 17.
Parachutes for aeroplanes. C. Kesses. 1,835,498; Dec. 8.
Parachute for airplanes. M. L. Little. 1,791,871; Feb. 10.
Parachute kit. M. Ater. 1,816,814; Aug. 4.
Parachute, Mail bag. C. M. Graeff. 1,821,433; Sept. 1.

Parachute opener. A. H. Reed. 1,793,447; Feb. 17.
Parachute-release safety device. B. F. Toffiemire. 1,800,575; Apr. 14.
Parachute skirt delayer. E. L. Hoffman. 1,811,050; June 23.
Parachute trip for kites. C. G. Jacobi. 1,787,479; Jan. 6.
Paradichlorobenzene to fruit trees, Application of. M. Y. Kachline. 1,812,535; June 30.
Paraffin and ceresine, Producing high-melting. A. Loebel. 1,825,533; Sept. 29.
Paraffin, Apparatus for treating. L. H. Macomber. 1,809,130; June 9.
Paraffin from petroleum oils and apparatus therefor, Separation of. J. Verner. 1,789,347; Jan. 20.
Paraffin gopher. R. C. McCarter. 1,807,123; May 26.
Paraffin hydrocarbons to create a nonoxidizing and nonsulphurous atmosphere in the temperature treatment of solids, Utilization of. F. J. Harlow and G. R. Benz. 1,806,853; May 26.
Paraffin wax and the like, Coloring. W. M. Bain. 1,816,140; July 28.
Para-hydroxy-diphenyl, Derivatives of. E. F. Grether. 1,832,484; Nov. 17.
Parallel adjustment for folding couples. O. C. Roesen. 1,834,644; Dec. 1.
Parallel resurfacing, A. Kadow and D. C. Smith. 1,838,553; Dec. 29.
Para-phenyl-ortho-benzoyl-benzoic acid, Preparing. P. H. Groggins. 1,814,145; July 14.
Parasitics in electron emission tubes, circuits, Prevention of. C. W. Hansell. 1,804,830; May 12.
Parasol, vanity case and coin holder, Combined. D. M. Bright. 1,807,686; June 2.
Parcel assorting apparatus. J. R. Sousa. 1,838,460; Dec. 29.
Parcel carrier. J. L. Baldwin. 1,835,259; Dec. 8.
Paring apparatus. A. L. Duncan. 1,820,351; Aug. 25.
Paring machine, Fruit. J. W. Pease. 1,835,720; Dec. 8.
Parison transfer and inversion mechanism and method. H. A. Wadman. 1,825,985; Oct. 6.
Parking and locking device, Vehicle. J. H. Moffat. 1,815,207; July 21.
Parking and storage apparatus, Automobile. I. MacDonald. 1,815,738; July 21.
Parking device. R. W. Branson. 1,827,457; Oct. 13.
Parking device for automobiles. P. Hedstrom. 1,833,288; Nov. 24.
Parking device, Vehicle. G. Nenna. 1,827,853; Oct. 20.
Parks, Portable equipment for coursing. C. A. Kitzmiller. 1,787,631; Jan. 6.
Particles from free water, Separating. C. B. Thorne. 1,804,188; May 5.
Partition. J. J. Donovan. 1,820,123; Aug. 25.
Partition, Adjustable car. E. P. Harris. 1,825,452; Sept. 29.
Partition and analogous structure. J. R. Jones. 1,834,710; Dec. 1.
Partition block. S. Lapof. 1,815,921; July 28.
Partition clip. J. Stack. 1,816,060; July 28.
Partition or closure, Rolling. J. Cahill. 1,797,321; Mar. 24.
Partition, Duplex sink. J. F. Wilson, jr. 1,817,330; Aug. 4.
Partition, Flame baffle. R. J. Anschicks. 1,806,602; May 26.
Partition, Folding. E. J. G. Phillips. 1,833,496; Nov. 24.
Partition for automobiles. F. A. and C. L. Siggens. 1,804,033; May 5.
Partition for railway cars. C. E. Johnson. 1,811,888; June 30.
Partition for separating the products of fusion electrolysis of metallic chlorides. R. Suchy, K. Staib, and W. Moschel. 1,818,174; Aug. 11.
Partition sheet. A. M. Martin. 1,812,886; July 7.
Partition structure—movable. J. W. Adams, jr., and H. A. Stevens. 1,798,392; Mar. 31.
Partition wall and structural members therefor. B. E. Crowell. 1,831,163; Nov. 10.
Partitioning, Metallic. J. Brogden. 1,813,873; July 7.
Paste applying mechanism. G. C. Cooke. 1,835,145; Dec. 8.
Paste, Core. J. F. McDowall. 1,837,877; Dec. 22.
Paste from printed paper, and chiefly wood paste, Recovery of. L. Grenaudier. 1,791,445; Feb. 3.
Paste, Masking. A. E. Vaughn. 1,795,455; Mar. 10.
Paste pot. J. E. Roos. 1,801,055; Apr. 14.
Paste, Printing. J. G. Kern and C. J. Sala. 1,799,826; Apr. 7.
Paste, Sealing. B. Y. Golding. 1,828,182; Oct. 20.
Paste tube. F. B. Sebolt. 1,794,987; Mar. 3.
Paster for cigarette machines. R. E. Rundell. 1,838,112; Dec. 29.
Pasting device, Rotary. H. A. W. Wood. 1,787,463; Jan. 6.
Pasting machine. W. N. Herrick. 1,789,309; Jan. 20.
Pasting mechanism. A. Potdevin. 1,827,907; Oct. 20.
Pastes, Apparatus for screening. I. T. Thornton. 1,810,933; June 23.
Pasteurizing apparatus. W. R. Laird. 1,807,742; June 2.
Pasteurizing, Process of and apparatus for. K. K. Wright. 1,823,637; Sept. 15.
Pastries and the like, Device for forming. J. C. Bergner. 1,793,207; Feb. 17.
Pastry. M. Conforto. 1,824,594; Sept. 22.
Pastry, Applying filling materials to. O. Kremmling. 1,806,066; May 19.
Pastry cup, Edible. E. Hamwi. Des. 83,609; Mar. 10.
Pastry cutter. L. F. Gage, I. W. Wood, and J. T. Weinzierl. 1,797,859; Mar. 24.
Pastry filler. E. R. Johnston. 1,795,307; Mar. 10.
Pastry shell forming machine and method. H. A. Beilgard. 1,801,323; Apr. 21.
Patch. L. Hadford. 1,814,383; July 14.
Patch pocket. S. Newman. 1,818,738; Aug. 11.
Patch-applying implement. L. A. Maclean. 1,800,460; Apr. 14.
Patch applying mechanism. A. Novick. 1,831,575; Nov. 10.
Patch, Blow-out. O. Jacobsen. 1,832,213; Nov. 17.
Patch with detachable claim check, Tag-hole. O. W. Pendergast. 1,796,894; Mar. 17.
Pattern and making the same, Finished. M. Herzberg. S. Broadwin. 1,808,882; June 9.
Pattern apparatus, Photoelectrically controlled. K. Nakanishi. 1,822,306; Sept. 8.
Pattern chain. E. Richter. 1,838,640; Dec. 29.
Pattern chart with variable-size indicator. M. Rohr. 1,793,251; Feb. 17.
Pattern, Electrodeposited. A. K. Laukel. 1,825,189; Sept. 29.
Pattern grading machine. E. H. Burke. 1,807,195; May 26.
Pattern grading machine. A. Pecher. 1,801,365; Apr. 21.
Pattern lifting device. D. B. Dimick. 1,824,468; Sept. 22.
Pattern mechanism for circular knitting machines. H. E. Houseman. 1,805,697; May 19.
Pattern mechanism for crochet knitting machines. 1,812,953; July 7.
Pattern mechanism for straight knitting machines. W. S. Parker. 1,809,063; June 9.
Pattern mechanism for straight knitting machines. W. S. Parker. 1,835,518; Dec. 8.
Pattern, Multiplex. B. Telis. 1,795,524; Mar. 10.
Pattern plate with vibrator-securing means. G. B. Pickop. 1,796,394; Mar. 17.
Pattern set. M. Herzberg. 1,820,225; Aug. 25.
Pattern, Sole. J. F. Quine. 1,794,979; Mar. 3.
Patterns from dental molds, Eliminating fusible. H. C. Hagman. 1,822,285; Sept. 8.
Patterns, Jigging and doweling. A. K. Laukel. 1,803,478; May 5.
Patterns on floor coverings, Printing marbleized. C. F. Humphreys and J. C. McCarthy. 1,824,433; Sept. 22.
Patterns on plush and like fabrics, Device for printing colored. A. Görner. 1,815,504; July 21.
Patterns on plush fabrics or the like, Apparatus for printing colored. A. Gorner. 1,821,302; Sept. 1.
Patty forming device. N. F. Murray. 1,808,993; June 9.
Pavement. O. M. Paddleford. 1,789,447; Jan. 20.
Pavement and constructing a pavement. B. H. Wait. 1,788,785; Jan. 13.
Pavement breaking machine. W. V. Cornett. 1,830,752; Nov. 10.
Pavement construction. H. A. Myers. 1,827,823; Oct. 20.
Pavement wrecking machine. W. V. Cornett. 1,830,751; Nov. 10.
Pavements, Compacting, finishing, and curing concrete. P. A. Hipple. 1,807,116; May 26.
Pavements, Cutting device for use with concrete. C. E. Blass. 1,801,622; Apr. 21.
Paving block. C. Wright. 1,796,973; Mar. 17.
Paving block, Composite. E. C. Wallace. 1,794,220; Feb. 24.
Paving composition and preparing the same, Bituminous. E. C. Wallace. 1,793,345; Feb. 17.
Paving compositions, Apparatus for preparing. D. McK. Hepburn. 1,836,754; Dec. 15.
Paving, Glass. P. Noël. 1,795,229; Mar. 3.
Paving joints, Installing device for. A. C. Fischer. 1,814,138; July 14.
Paving machine and process. K. E. McConnaughay. 1,802,087; Apr. 21.
Paving material and manufacturing the same. R. L. White. 1,818,876; Aug. 11.
Paving material, Mixing. W. T. Ragland. 1,788,887; Jan. 13.
Paving method. J. F. Witt. 1,807,947; June 2.
Paving, Producing impregnated irregular. H. Aebly. 1,824,524; Sept. 22.
Pawl for ratchet mechanisms. E. L. Carlson. 1,818,690; Aug. 11.
Pea sheller, Green. J. E. Wilder. 1,831,772; Nov. 10.
Peas, System of and machine for grading. F. D. Chapman. 1,814,126; July 14.
Peach pitting machine. A. S. Ridley. 1,819,442; Aug. 18.
Peanut-picking machine. P. L. Morris. 1,791,454; Feb. 3.
Peanut treating machine. J. L. Doughtie. 1,802,412; Apr. 28.
Pearl and making same, Imitation. H. E. Smith, W. Bowker, and H. Conrow. 1,814,641; July 14.
Pearl, Imitation. W. G. Lindsay. 1 809,449; June 9.
Pectin solution from apple pomace, Manufacture of. E. R. Darling and H. F. MacMillin. 1,799,140; Mar. 31.
Pectous material and making the same. H. T. Leo, C. C. Taylor, and F. A. Beck. 1,838,949; Dec. 29.
Pedal. J. R. Thorp and C. Fausch. 1,821,588; Sept. 1.
Pedal, Accelerator. O. C. Ritz Woller. 1,829,028; Oct. 27.

Pedal, Adjustable control. C. J. Leisy. 1,802,117; Apr. 21.
Pedal and foot rest, Combined. F. D. Brandt, jr. 1,831,736; Nov. 10.
Pedal construction and mounting. G. A. Forsberg. 1,803,502; May 5.
Pedal, Foot. J. R. Thorp. 1,821,589; Sept. 1.
Pedal, Gas. A. Næsheim. 1,822,055; Sept. 8.
Pedal jack. L. E. Russell, jr., and G. E. Peters. 1,813,426; July 7.
Pedal pad. J. Milhander. 1,824,289; Sept. 22.
Pedal, Piano. M. A. Arostegui. 1,831,733; Nov. 10.
Pedal, Rotary accelerator. L. M. Williams. Des. 85,801; Dec. 22.
Pedal stop and yoke. J. M. Crawford. 1,788,861; Jan. 13.
Pedal whirl. J. I. Stewart. 1,812,810; June 30.
Pedestal. H. T. Toy. 1,820,103; Aug. 25.
Pedestal, Counter seat. L. M. Michelson. 1,829,960; Nov. 3.
Pedestal filler unit. K. F. Nystrom. 1,806,411; May 19.
Pedestal for furniture or the like. C. A. Brown. 1,802,047; Apr. 21.
Pedestal for lamp stands, Portable cabinet. J. G. H. Liebel and E. S. Flarsheim. Des. 85,588; Nov. 17.
Pedestal for lavatory basin. G. Sakier. Des. 83,922; Apr. 14.
Pedestal liner, Removable. R. G. Anderson. 1,815,457; July 21.
Pedestal structure for standards. I. E. McElroy. 1,789,905; Jan. 20.
Pediform article. W. J. De Witt. 1,789,518; Jan. 20.
Peel, Baker's. R. Moure. 1,823,159; Sept. 15.
Peel-blade. O. H. Thoreinsson. 1,809,320; June 9.
Peeler, Potato. W. J. Kurtz and F. H. Shelledy. 1,799,562; Apr. 7.
Peening apparatus. E. W. Stevens. 1,812,726; June 30.
Peg. G. W. Aldeen. 1,789,126; Jan. 13.
Pellet, Phthalic anhydride shot-like. J. E. Jewett and L. C. Daniels. 1,837,869; Dec. 22.
Pelt dehairing machine. R. H. Plass. 1,808,787; June 9.
Pelvimeter, Sagittal. H. A. Sison. 1,804,064; May 5.
Pen. L. H. Ashmore. 1,800,425; Apr. 14.
Pen. E. S. Wood, W. E. Haden, H. C. Sharp, and L. H. Ashmore. 1,832,077; Nov. 17.
Pen and pencil clip. W. Gordon. 1,813,396; July 7.
Pen and pencil, Fountain. V. Z. Felipe. 1,827,311; Oct. 13.
Pen and the like, Fountain. A. A. Goldstein. 1,838,543; Dec. 29.
Pen-box ink-feed. C. F. Jenkins. 1,835,054; Dec. 8.
Pen cap, Fountain. L. J. Most. 1,822,166–7; Sept. 8.
Pen cap and blotter, Combination. M. O. Reis. 1,825,090; Sept. 29.
Pen clip. H. E. Hoke. 1,825,730; Oct. 6.
Pen clip, Fountain. H. Esterow. 1,824,012; Sept. 22.
Pen clip or similar article, Fountain-. H. Esterow. Des. 83,671–3; Mar. 17.
Pen, Combination pocket and desk set, Fountain. L. J. Most. 1,822,168; Sept. 8.
Pen desk set. L. J. Most. 1,809,985; June 16.
Pen desk set, Fountain. A. Bienenstein. 1,813,271; July 7.
Pen desk set, Fountain. C. R. Sheaffer. 1,807,227; May 26.
Pen desk set, Fountain. H. B. Wilson. 1,832,170; Nov. 17.
Pen filler, Fountain. P. C. Zieschang. 1,793,891; Feb. 24.
Pen-filling device, Coin-controlled fountain-. C. L. Sirmans. 1,788,069; Jan. 6.
Pen filling device, Fountain. G. L. Bassett. 1,828,018–19; Oct. 20.
Pen-filling device, Fountain-. J. C. Wahl and A. H. Stenersen. 1,800,330; Apr. 14.
Pen, Fountain. F. M. Ashley. 1,836,148; Dec. 15.
Pen, Fountain. W. J. Baker. 1,825,931;; Oct. 6.
Pen, Fountain. A. Bassi. 1,808,489; June 2.
Pen, Fountain. B. R. Bell. 1,811,992; June 30.
Pen, Fountain. E. C. Berry. 1,811,874; June 30.
Pen, Fountain. A. Bienenstein. Des. 83,592; Mar. 10.
Pen, Fountain. A. Bienenstein. Des. 84,394; June 16.
Pen, Fountain. L. A. Brooke. 1,818,377; Aug. 11.
Pen, Fountain. R. S. Carter. 1,799,213; Apr. 7.
Pen, Fountain. F. B. Chamberlin. 1,787,896; Jan. 6.
Pen, Fountain. A. L. De Biasi. 1,797,465; Mar. 24.
Pen, Fountain. O. Federbusch. 1,818,216; Aug. 11.
Pen, Fountain. G. F. Hawkes. 1,788,293; Jan. 6.
Pen, Fountain. G. Henry. 1,787,747; Jan. 6.
Pen, Fountain. C. W. Holstein. 1,811,317; June 23.
Pen, Fountain. D. Kahn. Des. 84,146; May 12.
Pen, Fountain. H. D. Kellogg, jr. 1,824,275; Sept. 22.
Pen, Fountain. C. E. Klaus. 1,797,425; Mar. 24.
Pen, Fountain. D. J. La France. 1,807,415; May 26.
Pen, Fountain. G. Larsen. Des. 84,943; Aug. 25.
Pen, Fountain. J. G. Liddell. 1,809,416; June 9.
Pen, Fountain. C. Lovgren. 1,835,069; Dec. 8.
Pen, Fountain. D. A. McLaughlin. 1,790,716; Feb. 3.
Pen, Fountain. W. E. Moore. 1,801,635; Apr. 21.
Pen, Fountain. K. S. Parker. 1,819,383; Aug. 18.
Pen, Fountain. J. F. Schweiger. 1,811,763; June 23.
Pen, Fountain. H. H. Spayde. 1,794,651; Mar. 3.
Pen, Fountain. S. Summer. 1,788,212; Jan. 6.
Pen, Fountain. O. J. Sundstrand. 1,809,992; June 16.
Pen, Fountain. A. H. Swan. 1,822,789; Sept. 8.
Pen, Fountain. J. Wallace. 1,824,249; Sept. 22.
Pen, Fountain. F. T. Walsh. 1,804,522; May 12.
Pen, Fountain. R. Weingart. 1,805,348; May 12.
Pen, Fountain. W. J. Wooldridge. 1,826,195; Oct. 6.
Pen, Fountain drawing. J. Ramos. 1,810,788; June 16.
Penholder. P. J. Bellavance. 1,795,824; Mar. 10.
Penholder, Fountain. A. Reichenbach. 1,808,377; June 2.
Penholder or similar article. F. Di Ionno. Des. 84,812; Aug. 11.
Penholder or similar article. J. J. Larmour. Des. 85,655; Dec. 1.
Pen, Non-leaking fountain. R. H. Whitehead. 1,812,229; June 30.
Pen or pencil attachment. J. Friedel, jr. 1,789,737; Jan. 20.
Pen or pencil case. E. McCree. 1,789,387; Jan. 20.
Pen or similar article, Fountain. G. Larsen. Des. 84,249; May 26.
Pen or similar article, Fountain. G. Larsen. Des. 84,641; July 14.
Pen, Printing. E. Brumaghim. 1,788,274; Jan. 6.
Pen, Reservoir. H. R. Hughes. 1,820,226; Aug. 25.
Pen, Reservoir fountain. L. C. Johns. 1,795,861; Mar. 10.
Pen, Self-filling fountain. C. Fabrizio. 1,792,419; Feb. 10.
Pen, Self-filling sac. G. Sweetser. 1,798,046; Mar. 24.
Pen, Stock. W. S. Witten. 1,807,188; May 26.
Pen support, Adjustable. F. C. Deli. 1,813,283; July 7.
Pen support, Adjustable. F. C. Deli. 1,838,748; Dec. 29.
Pens, Adjustable feed for fountain. K. S. Parker. 1,818,743; Aug. 11.
Pens and method of making, Barrel for fountain. E. McCree. 1,795,569; Mar. 10.
Pens and the like in pockets of clothing and the like, Device for securing fountain. G. S. Vivian. 1,839,066; Dec. 29.
Pens, Attachment for fountain. A. M. Yocum. 1,794,939; Mar. 3.
Pens, Calendar attachment for fountain. D. L. Dover. 1,828,132; Oct. 20.
Pens, Filling mechanism for fountain. K. S. Parker. 1,793,824; Feb. 24.
Pencil. B. C. Becker. 1,803,586; May 5.
Pencil. F. C. Deli. Des. 83,152; Jan. 27.
Pencil. H. L. Fischer. 1,828,527; Oct. 20.
Pencil. T. P. Garankin. 1,803,695; May 5.
Pencil. O. Huber. 1,800,201; Apr. 14.
Pencil. F. J. Kristofek. 1,836,535; Dec. 15.
Pencil. G. Larsen. Des. 84,944; Aug. 25.
Pencil. J. P. Lynn. 1,799,240; Apr. 7.
Pencil. J. P. Lynn. 1,806,632; May 26.
Pencil. J. P. Lynn. 1,815,309; July 21.
Pencil. J. P. Lynn. 1,817,011; Aug. 4.
Pencil. J. P. Lynn. 1,825,803; Oct. 6.
Pencil. J. P. Lynn. 1,828,871; Oct. 27.
Pencil. F. Schroeder and A. Raddatz. 1,827,619; Oct. 13.
Pencil. L. E. Stizler. 1,798,003; Mar. 24.
Pencil. H. B. Van Dorn. 1,821,994; Sept. 8.
Pencil. C. E. Wehn. 1,826,266; Oct. 6.
Pencil. J. B. Zimdars, E. S. Carmiglia and M. M. Smith. 1,832,272; Nov. 17.
Pencil and clip, Combined. J. P. McEnery. 1,810,109; June 16.
Pencil and holder therefor, Combined golf. H. M. Larter. Des. 84,353; June 9.
Pencil and lighter, Combined. A. G. Stevenson. Des. 83,181; Jan. 27.
Pencil and wrist strap holder, Combined golf. H. M. Larter. Des. 84,352; June 9.
Pencil attachment. L. J. Felsenthal. 1,830,102; Nov. 3.
Pencil attachment. L. M. Markowitz. 1,822,994; Sept. 15.
Pencil, Automatic. D. Q. Crimmins. 1,828,521; Oct. 20.
Pencil, Automatic lead. J. A. Kiedrowski. 1,789,760; Jan. 20.
Pencil, Lead. A. F. Poole. 1,805,673; May 19.
Pencil, Lead. M. C. Vail. 1,830,043; Nov. 3.
Pencil, Magazine. M. S. Angeles. 1,809,665; June 9.
Pencil, Magazine. O. R. Barth. 1,806,580; May 26.
Pencil, Magazine. W. G. H. Dziambor. 1,833,244; Nov. 24.
Pencil, Mechanical. A. Bienenstein. Des. 84,323; June 9.
Pencil, Mechanical. H. Deutsch. 1,803,794; May 5.
Pencil, Mechanical. C. R. Keeran. 1,801,671; Apr. 21.
Pencil, Mechanical. C. R. Keeran. 1,821,183; Sept. 1.
Pencil, Mechanical. C. R. Keeran. 1,826,473; Oct. 6.
Pencil, Mechanical. L. A. Lanoie. 1,790,430; Jan. 27.
Pencil, Mechanical. J. Meilner. 1,793,237; Feb. 17.
Pencil, Mechanical. J. C. Wahl. 1,797,888; Mar 24.
Pencil, Mechanical lead. A. T. Weil. 1,836,143; Dec. 15.
Pencil, Multilead mechanical. H. M. Larter. 1,808,171; June 2.
Pencil, Photographic abrasive. W. L. Moore. 1,813,675; July 7.
Pencil printing device. H. J. Karp. 1,831,868; Nov. 17.
Pencil, Propelling. H. Felger. 1,805,575; May 19.
Pencil, rule, and compass, Combination. A. J. Gelardi. 1,806,849; May 26.
Pencil sanding machine. B. F. Derryberry. 1,827,839; Oct. 20.
Pencil with lead shiftable and fixable by a sliding sleeve. F. W. Haack. 1,797,723; Mar. 24.
Pencil with sliding lead. R. M. Cata. 1,788,822; Jan. 13.
Pencil with two lead carriers. E. Etoh. 1,788,285; Jan. 6.
Pencils, Apparatus for and method of printing or embossing. W. Friedlaender. 1,821,337.

Pencils, Decorating lead. A. Schwarz. 1,829,115; Oct. 27.
Pendant. F. Schulte. Des. 83,702; Mar. 17.
Pendant, Watchcase. E. Nelson. 1,792,700; Feb. 17.
Pendulum-type interrupter. S. Loewe. 1,834,129; Dec. 1.
Pendulums of clockworks, Impulse mechanism for the. A. Wirz. 1,830,777; Nov. 10.
Pentosans, Preparation of. E. R. Darling. 1,819,233; Aug. 18.
Pepper shaker. H. M. Barr. Des. 84,454; June 23.
Perambulator and the like. E. T. Morriss. 1,815,952; July 28.
Perambulator and the like. E. T. Morriss. 1,823,115; Sept. 15.
Perambulator attachment. P. Iacovino. 1,817,412; Aug. 4.
Perambulator or the like. F. H. Headley. 1,817,513; Aug. 4.
Perchlorates of aminodiphenyl, Preparation of diazonium. T. L. Davis and E. H. Huntress. 1,828,960; Oct. 27.
Percolator. B. C. Bridgham. 1,824,763; Sept. 29.
Percolator. A. W. Meyer. 1,831,923; Nov. 17.
Percolator. A. W. Meyer. 1,836,541; Dec. 15.
Percolator. I. D. Richheimer. 1,803,356; May 5.
Percolator. C. F. Smith. Des. 84,962; Aug. 25.
Percolator. C. A. Xardell. 1,836,520; Dec. 15.
Percolator attachment. S. W. Brown. 1,802,591; Apr. 28.
Percolator, Automatic coffee. C. C. Armstrong. 1,816,994; Aug. 4.
Percolator, Coffee. I. Grometstein. 1,831,384; Nov. 10.
Percolator, Coffee. J. A., sr., and J. M. Guerin. 1,809,294; June 9.
Percolator, Electric. A. L. Alaj. 1,838,206; Dec. 29.
Percolator, Electric. W. S. Marvin. 1,810,490; June 16.
Percolator, Sirup. S. T. Hensel. 1,815,711; July 21.
Percolators and the like, Top for. E. P. Seghers. 1,795,449; Mar. 10.
Percussion cutter. A. I. Woodring. 1,796,905; Mar. 17.
Percussion drill. J. A. Parsons and L. H. Hartmann. 1,835,180; Dec. 8.
Perforator and handle, Combined. A. W. Mueller. 1,814,487; July 14.
Perforator, Can. A. G. Turner. 1,812,386; June 30.
Perforating and trimming mechanism. H. L. Blood. 1,800,925; Apr. 14.
Percolating apparatus. R. Bauer and G. J. Ludwig. 1,805,159; May 12.
Perforating device. B. K. F. Ewald. 1,827,002; Oct. 13.
Perforating machine. K. D. Evans. 1,804,974; May 12.
Perforating machine. P. R. Glass. 1,799,615; Apr. 7.
Perforating machine. M. Holny. 1,808,500; June 2.
Perforating machine. H. S. Lyness. 1,799,305; Apr. 7.
Perforating machine. G. H. A. Perl. 1,800,402; Apr. 14.
Perforating machine. J. T. Schaaff. 1,830,811; Nov. 10.
Perforating machine. E. E. Winkley. 1,807,679; June 2
Perforating machine for well casing. A. E. Carter and C. A. Johnson. 1,813,144; July 7.
Perforating machine, Typewriter controlled. H. A. Weinlich. 1,803,954; May 5.
Perfumer and disinfector, Combined. O. Roberge. 1,799,252; Apr. 7.
Perimeter. C. E. and G. R. Ferree. Re17,987; Mar. 3.
Perishable products, Equipment for treating. F. J. Day. 1,811,496; June 23.
Perishable products, Portable apparatus for conditioning. W. Barstow and F. J. Day. 1,811,529; June 23.
Permanent mold. A. T. Bateman and A. Irvine. 1,834,996; Dec. 8.
Permanent mold. N. J. Quinn. 1,816,744; July 28.
Permanent wave apparatus. P. Kunian and J. Sten. 1,826,078; Oct. 6.
Permanent-waving machine. R. L. Blymyer. 1,797,896; Mar. 24.
Permanent waving pad and stick apparatus. G. M. Hutchby. 1,827,290; Oct. 13.
Permanent waving rod. D. J. Martin. 1,831,127; Nov. 10.
Permutation and snap action lock, Combined. C. O. Clementz. 1,838,660; Dec. 29.
Permutation lock. S. A. Adams. 1,802,041; Apr. 21.
Permutation lock. R. A. Cruse. 1,834,091; Dec. 1.
Permutation lock. J. Feldmeyer. 1,793,602; Feb. 24.
Permutation lock. R. K. Winning. 1,809,367; June 9.
Perspectograph. C. W. Ackerberg. 1,826,338; Oct. 6.
Pessary. L. Dickstein. 1,790,801; Feb. 3.
Pessary. A. Fiessler. 1,819,549; Aug. 18.
Petrolatum, Making white. H. F. Gallagher. 1,791,926; Feb. 10.
Petrolatum stocks, Treatment of. B. L. Souther and W. A. Gruse. 1,813,327; July 7.
Petroleum, Apparatus for treating. C. P. Dubbs. 1,806,282; May 19.
Petroleum, Continuous method for sweetening. H. H. Cannon and W. W. Gary. 1,789,167; Jan. 13.
Petroleum, Conversion of oil. R. Cross. 1,825,337; Sept. 29.
Petroleum, Cracking. G. Egloff. 1,803,963; May 5.
Petroleum distillates, Converting residues obtained on sweetening. H. G. M. Fischer. 1,795,278; Mar. 3.
Petroleum distillates, Sweetening. L. M. Henderson and H. C. Cowles, jr. 1,815,563; July 21.
Petroleum, Distillation of. E. G. Ragatz. 1,806,023; May 19.
Petroleum emulsions, Breaking. M. De Groote, L. T. Monson, and E. H. Keiser. 1,812,393; June 30.
Petroleum emulsions, Breaking. J. Hyman and A. F. Schlandt. 1,800,887; Apr. 14.
Petroleum emulsions, Breaking. C. H. M. Roberts. 1,802,090; Apr. 21.
Petroleum emulsions, Dehydrating. H. F. Fisher. 1,838,922; Dec. 29.
Petroleum emulsions, Treating. J. Hyman and A. F. Schlandt. 1,811,177; June 23.
Petroleum hydrocarbon, Apparatus for decomposition and processing of. J. C. Black. 1,819,729; Aug. 18.
Petroleum hydrocarbon, Treating. R. Cross. 1,817,969; Aug. 11.
Petroleum hydrocarbons and secondary alcohols, Stable mixture of. M. D. Mann, jr. 1,811,552; June 23.
Petroleum hydrocarbons, Covering. R. Cross. 1,819,542; Aug. 18.
Petroleum hydrocarbons in the vapor phase, Treating R. Cross. 1,805,686; May 19.
Petroleum hydrocarbons into gasoline, Transformation of. U. S. Jenkins. 1,814,042; July 14.
Petroleum hydrocarbons or light distillates, Desulphurizing liquid. H. Ulrich. 1,810,803; June 16.
Petroleum hydrocarbons, Process and apparatus for treating. W. M. Cross. 1,800,436; Apr. 14.
Petroleum, Method of and apparatus for demulsifying. C. P. Dennhardt. 1,814,298; July 14.
Petroleum oil, Apparatus for converting. W. R. Howard. 1,806,060; May 19.
Petroleum oil, Converting. C. P. Dubbs. 1,806,283; May 19.
Petroleum oil, Converting. C. P. Dubbs. 1,839,019; Dec. 29.
Petroleum oil, Cracking. G. Egloff. 1,806,618; May 26.
Petroleum oil, Cracking. G. Egloff. 1,828,362; Oct. 20.
Petroleum oil, Method of and apparatus for dehydrating. H. C. Eddy. 1,838,910; Dec. 29.
Petroleum oil, Process and apparatus for converting. R. Cross. 1,796,507; Mar. 17.
Petroleum oil, Process and apparatus for heating. A. Oberle. 1,812,217; June 30.
Petroleum oil to produce low boiling point oil, Treating. M. L. Chappell. 1,835,280; Dec. 8.
Petroleum oil, Treating. C. P. Dubbs. 1,811,617; June 23.
Petroleum oil, Treating. C. B. Watson. 1,811,195; June 23.
Petroleum oils, Conditioning. M. De Groote and L. T. Monson. 1,834,940; Dec. 8.
Petroleum oils, Distilling and cracking. J. C. Black. 1,806,036; May 19.
Petroleum oils, System for treating. C. W. Stratford. 1,815,366; July 21.
Petroleum oils, Treating. P. M. Travis. 1,798,341; Mar. 31.
Petroleum products, Apparatus for reclaiming used. C. V. Fuqua. 1,791,809; Feb. 10.
Petroleum products, Purifying. W. W. Gary. 1,833,396; Nov. 24.
Petroleum products, Purifying. H. G. Smith. 1,813,642; July 7.
Petroleum products, Treating. G. Egloff. 1,800,823; Apr. 14.
Petroleum residues, Apparatus for coking liquid. E. W. Thiele. 1,825,375; Sept. 29.
Petroleum residues, Coking. A. S. Knowles. 1,815,918; July 28.
Petroleum residues from the distillation of petroleum oils, Coking. E. W. Thiele. 1,825,374; Sept. 29.
Petroleum residuum, Distilling. F. M. Rogers and C. P. McNeil. 1,830,963; Nov. 10.
Petroleum tars, Filtration of. C. D. Read and R. L. Holcomb. 1,830,962; Nov. 10.
Petroleum to prevent corrosion, Treatment of crude. C. D. Gifford. 1,812,629; June 30.
Petroleum, Treating. T. M. Andrews and C. E. Lauer. 1,804,451; May 12.
Petroleum, Treating. W. F. Bleecker. 1,794,668; Mar. 3.
Petroleum, Treating crude. H. T. Bennett. 1,820,295; Aug. 25.
Petroleum-treating system. S. J. Dickey and E. W. Roth. 1,792,003; Feb. 10.
Petroleum vapors, Purifying cracked. C. B. Watson and R. C. Osterstrom. 1,793,885; Feb. 24.
Petroleums, Sweetening sulphurous. H. H. Cannon and W. W. Gary. 1,789,168; Jan. 13.
Pharmaceutical product. R. Gruter. 1,812,528; June 30.
Phasing. R. Hoover and R. F. Dirkes. 1,790,150; Jan. 27.
Phenol-aldehyde condensation products, Producing oil soluble. F. Seebach. 1,809,732; June 9.
Phenol by distillation, Purifying a. E. C. Britton. 1,824,867; Sept. 29.
Phenol from liquors containing the same, Recovering. C. L. Masters. 1,817,444; Aug. 4.
Phenol, Normal heptyl. E. C. Fanto. 1,824,426; Sept. 22.
Phenolates, Manufacture of. A. Hempel. 1,808,722; June 2.
Phenolic compounds, Making. W. J. Hale and E. C. Britton. 1,806,798; May 26.
Phenolic compounds, Manufacture of. W. J. Hale and E. C. Britton. Re18,129; July 14.
Phenolic compounds, Manufacture of. W. J. Hale and E. C. Britton. 1,789,071; Jan. 13.

Phenolic pentosan material, Moldable. O. R. Sweeney. 1,797,559; Mar. 24.
Phenolic pentosan material, Moldable. O. R. Sweeney. 1,797,593; Mar. 24.
Phenols and process of making, Sulphurized. E. J. Canavan. 1,828,172; Oct. 20.
Phenols from aqueous condensate from coal distillation, Extraction of. F. Ulrich. 1,830,725; Nov. 3.
Phenols from coal tar distillates, Obtaining. R. Cross. 1,820,908; Sept. 1.
Phenols from gas liquors, Recovery of. C. Schoenburg and G. von der Bruck. 1,826,369; Oct. 6.
Phenols from phenol-bearing industrial liquors, Obtaining. F. Ulrich. 1,795,382; Mar. 10.
Phenols, Making. T. Griswold, jr. 1,821,800; Sept. 1.
Phenols, Manufacture of. A. Hempel. 1,820,274; Aug. 25.
Phenols, Manufacturing alkyl isoalkyl. W. Schoeller and H. Jordan. 1,822,062; Sept. 8.
Phenols, Manufacturing alkylisoalkyl. W. Schoeller, H. Jordan, E. Schwenk, and E. Borgwardt. 1,838,454; Dec. 29.
Phenols, Production of alkylated. W. Schoeller, H. Jordan, and R. Clerc. 1,835,344; Dec. 8.
Phenyl-azo-alpha-alpha-diamino-pyridine hydrochlorides, Obtaining. I. Ostromislensky. 1,809,352; June 9.
Phenyl-1-thioglycollic-2-carboxylic acid amides containing halogen, Preparing. H. Wagner, M. Hessenland, and R. Brune. 1,823,073; Sept. 15.
Philosophical apparatus and models, Construction of. C. W Hansel. 1,838,394; Dec. 29.
Phonograph. E. B. Craft. 1,799,809; Apr. 7.
Phonograph. N. C. Durand and S. G. Langley. 1,816,896; Aug. 4.
Phonograph. A. A. Johnson. 1,810,883; June 16.
Phonograph. A. A. Johnson. 1,822,892; Sept. 15.
Phonograph. C. P. Madsen. 1,835,794; Dec. 8.
Phonograph. G. H. Pittman. 1,802,831; Apr. 28.
Phonograph. J. P. Stockton. 1,812,454; June 30.
Phonograph. A. A. Thomas. 1,813,972; July 14.
Phonograph. E. Vadasz. 1,808,189; June 2.
Phonograph. R. T. Watts. 1,811,410; June 23.
Phonograph adapter. C. F. Goudy. 1,792,830; Feb. 17.
Phonograph and motion-picture projector, Combined. S. S. A. Watkins. 1,790,687; Feb. 3.
Phonograph and the like. A. D. Jones and S. J. Smith. 1,809,901; June 16.
Phonograph apparatus. F. C. Barton 1,834,886; Dec. 1.
Phonograph apparatus. E. W. McSheen. 1,817,758; Aug. 4.
Phonograph apparatus. H. S. Satterlee. 1,801,458; Apr. 21.
Phonograph apparatus, Electrical. M. E. Vansickle. 1,834,359; Dec. 1.
Phonograph apparatus, Sensitized. A. M. Nicolson. 1,798,750; Mar. 31.
Phonograph attachment. U. J. Burke. 1,803,692; May 5.
Phonograph attachment. K. Eftihios. 1,811,003; June 23.
Phonograph, Automatic. W. H. Marr. 1,802,152; Apr. 21.
Phonograph, Automatic. F. J. Tillman. 1,813,472; July 7.
Phonograph blanks. Treating paper. E. M. Schulz. 1,822,508; Sept. 8.
Phonograph coupling for radioreceivers. A. H. Grebe and P. D. Lowell. 1,822,653; Sept. 8.
Phonograph disk. H. Laffon. 1,787,484; Jan. 6.
Phonograph disk. A. A. Penteado. 1,812,550; June 30.
Phonograph driving mechanism. W. J. Peets. 1,820,154; Aug. 25.
Phonograph, Electric. A. A. Thomas. 1,806,374; May 19.
Phonograph, Film. G. A. Del Valle. 1,822,727; Sept. 8.
Phonograph needle, Self-cleaning. C. W. Hall. 1,836,591; Dec. 15.
Phonograph pickup. C. B. Sawyer. 1,803,273; Apr. 28.
Phonograph pickup device. S. McClatchie. 1,835,073; Dec. 8.
Phonograph pickup unit. J. A. Rancorn and J. P. Barnes. Des. 84,052; Apr. 28.
Phonograph, radio, and picture projector, Combined. E. Rasmussen. 1,801,208; Apr. 14.
Phonograph record. A. M. Acheson. 1,824,253; Sept. 22.
Phonograph record. C. J. Mensman. 1,812,751; June 30.
Phonograph-record selector and placer, Multidisk. B. L. Gates. 1,800,620; Apr. 14.
Phonograph records, Pin holder for. A. M. Acheson and G. Ramsey. 1,821,916; Sept. 8.
Phonograph records, System for optically recording. J. Weinberger. 1,810,234; June 16.
Phonograph reproducer. W. H. Edwards. 1,819,083; Aug. 18.
Phonograph reproducer, Electric. J. K. Johnson. 1,801,276; Apr. 21.
Phonograph sound reproducer. J. H. Buchanan. 1,828,171; Oct. 20.
Phonograph stop, Automatic. H. E. Fracker. 1,792,735; Feb. 17.
Phonograph styli, Production of. S. T. Moore. 1,817,094; Aug. 4.
Phonograph turntable mechanism. W. J. Peets. 1,838,060; Dec. 22.
Phonograph turntable mechanism. H. L. Zabriskie. 1,838,047; Dec. 22.
Phonographic apparatus, Automatic. D. S. Swarthout and P. H. Smyth, jr. 1,832,797; Nov. 17.
Phonographic attachment for merchandise-dispensing apparatus. J. J. Schermack. 1,787,644; Jan. 6.
Phonographs, Coin-controlled attachment for. A. O. Johnson. 1,800,537; Apr. 14.
Phonographs, Combined electrical recorder and reproducer for. O. M. Dunning. 1,834,390; Dec. 1.
Phosphate and making same, Collidal metallic. F. E. Bischoff. 1,794,510; Mar. 3.
Phosphate and potassium salts to mixed fertilizer, Working up crude. C. T. Thorssell. 1,806,029; May 19.
Phosphate-bearing material, Flotation concentration of. W. Trotter and E. W. Wilkinson. 1,795,100; Mar. 3.
Phosphate, Decomposition of crude. T. Thorssell and A. Kristensson. 1,810,858; June 16.
Phosphate fines, Recovery of. P. McG. Shuey and E. Woodward. 1,810,794; June 16.
Phosphate, Manufacture of di-ammonium. B. G. Klugh and W. R. Seyfried. 1,822,040; Sept. 8.
Phosphate material, Treating. S. J. Lloyd and A. M. Kennedy. 1,816,051; July 28.
Phosphate, Production of disodium. P. A. Lang. 1,825,965; Oct. 6.
Phosphate rock and alunite, Treatment of. H. H. Meyers. 1,791,103; Feb. 3.
Phosphate rock, Leaching. M. Larsson. 1,821,653; Sept. 1.
Phosphate spreader. J. Kestel. 1,796,032; Mar. 10.
Phosphates and sulphuric acid, Treating reaction products of. B. Colbjörnsen. 1,809,473; June 9.
Phosphates available, Rendering insoluble. H. Lehrecke. 1,795,173; Mar. 3.
Phosphates, Manufacturing triaryl. W. P. ter Horst. 1,837,176; Dec. 15.
Phosphates, Producing soluble. B. Ober and E. H. Wight. 1,837,284; Dec. 22.
Phosphates, Production of trialkyl. W. J. Bannister. 1,799,349; Apr. 7.
Phosphates, Selenium di-thio. C. J. Romieux. 1,836,685; Dec. 15.
Phosphorus and phosphorus compounds by volatilization processes, Manufacture of. R. Weigel and H. W. Easterwood. 1,818,662; Aug. 11.
Phosphorus and potash and for producing potash bearing phosphoric acid, Volatilizing. R. D. Pike. 1,814,568; July 14.
Phosphorus and producing latent hydraulic binders, Simultaneously volatilizing. G. Pistor, R. Suchy, and E. Reubke. 1,826,433; Oct. 6.
Phosphorus condensation. H. Lang. 1,788,838; Jan. 13.
Phosphorus from metal bearing solutions, Removal of. R. H. Stevens, G. C. Norris, and W. N. Watson. 1,812,761; June 30.
Phosphorus in volatilization furnaces, Production of. H. W. Easterwood. 1,820,606; Aug. 25.
Phosphorus oxychloride and thionyl chloride, Manufacture of. J. G. Schudel. 1,788,959; Jan. 13.
Phosphorus, Producing. E. Pokorny. 1,836,618; Dec. 15.
Phosphorus sulphochloride, Manufacture of. W. H. Woodstock and G. A. McDonald. 1,811,602; June 23.
Phosphorus, Volatilization of. R. D. Pike. 1,815,379; July 21.
Photo-composing machine. A. T. Koppe. 1,795,653; Mar. 10.
Photo composing screen and plate holder. H. C. Boedicker. 1,805,202; May 12.
Photoelectric cell. A. Joffé. 1,827,016; Oct. 13.
Photo-electric cell. A. Karolus and F. Schroeter. 1,791,928; Feb. 10.
Photo-electric cell. R. K. Potter. 1,811,023; June 23.
Photo-electric cell. S. Ruben. 1,807,326; May 26.
Photo-electric cell, Gas-filled. N. R. Campbell. 1,800,337; Apr. 14.
Photo-electric cells, Manufacture of. N. R. Campbell. 1,803,000; Apr. 28.
Photo-electric device. W. E. Story, jr. 1,812,763–4; June 30.
Photo-electric system. W. R. Whitney. 1,794,222; Feb. 24.
Photo electric tube. A. J. McMaster and C. E. Parson. 1,831,314; Nov. 10.
Photo-electric tube. R. K. Potter. 1,811,024; June 23.
Photo-electric tube. G. T. Schmidling. 1,829,019; Oct. 27.
Photo-electric tube. F. Schröter. 1,824,573; Sept. 22.
Photo-electric tube, Uranium. H. C. Rentschler and D. E. Henry. 1,815,073; July 21.
Photo electric tube. V. K. Zworykin. 1,832,607; Nov. 17.
Photo-electric tube. V. K. Zworykin. 1,837,744; Dec. 22.
Photo-electric tube. V. K. Zworykin. 1,837,746; Dec. 22.
Photograph print embossing machine. J. L. Barber. 1,827,927; Oct. 20.
Photographed printing forms, Producing. E. Uher, jr. 1,808,123; June 2.
Photographic and projection objective. A. Warmisham. 1,797,202; Mar. 17.
Photographic and sound recording and reproducing mechanism, Synchronized. C. W. Ebeling. 1,802,504; Apr. 28.
Photographic and sound recording and reproducing mechanism. Synchronized. C. W. Ebeling. 1,806,617; May 26.
Photographic apparatus. J. A. R. Blais. 1,798,828; Mar. 31.
Photographic apparatus. A. W. Caps. 1,793,837; Feb. 24.

Photographic apparatus. A. W. Caps. 1,802,193–4; Apr. 21.
Photographic apparatus. A. W. Caps. 1,808,836; June 9.
Photographic apparatus. A. W. Caps. 1,815,967; July 28.
Photographic apparatus. A. W. Caps. 1,818,462; Aug. 11.
Photographic apparatus. R. T. Flora. 1,790,232; Jan. 27.
Photographic apparatus. J. S. Greene. 1,822,345; Sept. 8.
Photographic apparatus. J. S. Greene and A. W. Caps. 1,827,392; Oct. 13.
Photographic apparatus. J. S. Greene and A. W. Caps. 1,829,347; Oct. 27.
Photographic apparatus. J. I. Morrall. 1,792,025; Feb. 10.
Photographic apparatus. G. L. Taylor. 1,822,677; Sept. 8.
Photographic apparatus. E. Weisker. 1,813,690; July 7.
Photographic apparatus and more particularly to the focusing mechanism thereof. G. L. Taylor. 1,822,678; Sept. 8.
Photographic apparatus, Automatic. A. Klimis. 1,816,290; July 28.
Photographic apparatus, Automatic. M. M. Kulus. 1,820,230; Aug. 25.
Photographic apparatus, Coin operated. M. Bacino. 1,825,709; Oct. 6.
Photographic apparatus, Conveyer for copy. A. W. Caps. 1,826,599; Oct. 6.
Photographic apparatus, Pose-reflecting system for. L. G. Simjian. 1,795,051; Mar. 3.
Photographic apparatus, Pose-reflecting system for. L. G. Simjian. 1,799,767; Apr. 7.
Photographic apparatus, Pose-reflecting system for. L. G. Simjian. 1,830,770; Nov. 10.
Photographic copying apparatus. E. Weisker. 1,821,129; Sept. 1.
Photographic-copying machine. A. W. Caps. 1,789,351; Jan. 20.
Photographic copying machine. A. W. Caps. 1,800,007; Apr. 7.
Photographic copying machine. A. W. Caps. 1,801,540; Apr. 21.
Photographic copying machine. A. W. Caps and I. E. Leininger. 1,794,347; Feb. 24.
Photographic copying purposes, Apparatus for. C. Roehrich. 1,807,933; June 2.
Photographic developer and developing photographic materials. G. Reddelien and W. Müller. 1,799,568; Apr. 7.
Photographic developing apparatus. A. W. Caps. 1,803,002; Apr. 28.
Photographic developing apparatus. L. G. Simjian. 1,819,848; Aug. 18.
Photographic-developing apparatus. G. H. Waldron. 1,794,996; Mar. 3.
Photographic developing device. S. Abe. 1,806,232; May 19.
Photographic device. J. W. Legg. 1,828,328; Oct. 20.
Photographic emulsion for electronic discharge. A. G. Cooley. 1,791,053; Feb. 3.
Photographic emulsion layers, Increasing the resistibility of. J. J. F. Stock. 1,801,375; Apr. 21.
Photographic enlargements by superposed impressions, Apparatus for. R. Dauge. 1,794,279; Feb. 24.
Photographic flash light device. L. L. Driggs and H. B. Faber. 1,808,640; June 2.
Photographic focus indicator. G. C. Beidler. 1,819,065; Aug. 18.
Photographic line print and making the same. A. R. and W. N. Baker. 1,789,615; Jan. 20.
Photographic method and apparatus, Composite. R. J. Pomeroy. 1,818,354; Aug. 11.
Photographic negatives, Apparatus for developing. L. J. Riggle. 1,810,790; June 16.
Photographic objective. W. Merté. 1,792,917; Feb. 17.
Photographic or cinematographic panoramic views or views extending in height, Taking or projecting. H. Chretien. 1,829,633; Oct. 27.
Photographic package. B. A. Slocum, B. and J. F. Polhemus. 1,799,184; Apr. 7.
Photographic plates, Packing. B. Liebeskind. 1,820,146; Aug. 25.
Photographic pointing apparatus. H. O. Carleton. 1,819,541; Aug. 18.
Photographic print developing apparatus. P. Landrock. 1,824,281; Sept. 22.
Photographic print drying machine. M. E. Long. 1,839,105; Dec. 29.
Photographic print exposing and handling apparatus. J. S. Greene. 1,824,265; Sept. 22.
Photographic print treating and conveying apparatus. A. W. Caps and E. Du Pree. 1,832,278; Nov. 17.
Photographic-print treating apparatus. A. W. Caps. 1,788,448; Jan. 13.
Photographic print treating apparatus. J. S. Greene. 1,832,297; Nov. 17.
Photographic-print-treating apparatus. J. S. Greene and P. Lanrock. 1,796,366; Mar. 17.
Photographic print treating apparatus. J. S. Greene and P. Landrock. 1,832,296; Nov. 17.
Photographic printing apparatus. W. C. Huebner. 1,809,274; June 9.
Photographic printing apparatus. W. C. Huebner. 1,832,026; Nov. 17.
Photographic printing apparatus. V. K. Zworykin. 1,826,858; Oct. 13.
Photographic printing device. F. Bern. 1,817,606; Aug. 4.
Photographic printing device. F. Bern. 1,818,528; Aug. 11.
Photographic-printing machine. J. L. Barber. 1,796,823; Mar. 17.
Photographic printing machine. R. S. Hopkins. 1,831,248; Nov. 10.
Photographic printing machine. A. S. Howell. 1,805,768; May 19.
Photographic printing machine. M. F. Macdonald. 1,834,218; Dec. 1.
Photographic printing process and apparatus therefor. E. K. Hunter. 1,805,333; May 12.
Photographic prints and the like, Apparatus for. B. J. Hall. 1,825,728; Oct. 6.
Photographic prints, Apparatus for treating. A. W. Caps and J. S. Greene. 1,824,259; Sept. 22.
Photographic prints, Method and apparatus for handling. G. M. Dye. 1,794,003; Feb. 24.
Photographic prints, Method and apparatus for making. J. J. Risdon. 1,807,047; May 26.
Photographic process. H. J. Hollen. 1,808,352; June 2.
Photographic proofs and product relating thereto, Obtainment and multiplication of color. L. Dufay. 1,792,418; Feb. 10.
Photographic recording apparatus. A. C. Peterson. 1,808,118; June 2.
Photographic resist or film. J. Helfrich. 1,833,161; Nov. 24.
Photographic reversal process. A. R. de Tartas. 1,814,788; July 14.
Photographic roll film cartridge. P. Vehl and E. Schnitzler. 1,820,168; Aug. 25.
Photographic sensitizer and making it. H. T. Clarke. 1,804,674; May 12.
Photographic shutter. A. Barenyi. 1,828,215; Oct. 20.
Photographic shutter. C. F. Foth. 1,816,964; Aug. 4.
Photographic-shutter construction. W. A. Riddell. 1,787,797; Jan. 6.
Photographic shutter retarding mechanism. W. A. Riddell. 1,823,293–4; Sept. 15.
Photographic sound-recording apparatus. L. A. Taylor. 1,801,123; Apr. 14.
Photographic sound recording means. A. B. Chereton and W. C. Cummings. 1,826,924; Oct. 13.
Photographic sound records, Reproducing. F. H. Owens. 1,809,310; June 9.
Photographic sound-reproducing apparatus. F. H. Owens. 1,793,956; Feb. 24.
Photographic sound reproducing mechanism, Automatic. L. de Forest. 1,802,595; Apr. 28.
Photographic studio set. C. H. Roth. 1,799,866; Apr. 7.
Photographic surveying. H. G. Fourcade. 1,793,217; Feb. 17.
Photographing apparatus. G. L. McCarthy. 1,806,763; May 26.
Photographing apparatus. G. L. McCarthy and A. Novick. 1,806,762; May 26.
Photographing apparatus, Automatic focusing device for. G. C. Beidler. 1,821,923; Sept. 8.
Photographing, Apparatus for. H. J. Dean. 1,837,704; Dec. 22.
Photographs and camera device suitable for employment therewith, Making. E. Velten. 1,788,645; Jan. 13.
Photographs, Apparatus for producing margined. L. G. Simjian. 1,795,050; Mar. 3.
Photographs by printing, Modifying. J. T. Barkelew. 1,808,743; June 9.
Photographs from aeroplanes, Multiple chamber for taking. C. Aschenbrenner. 1,797,849; Mar. 24.
Photographs from negatives, Process and apparatus to be used in printing. J. W. Myers. 1,818,003; Aug. 11.
Photographs, Obtaining highly luminous. H. Chretien. 1,838,173; Dec. 29.
Photographs of cavities of the body, Apparatus for taking. F. G. Back. 1,828,141; Oct. 20.
Photography. J. J. Reilly and W. A. Gilmartin. 1,812,448; June 30.
Photography and sound recording and reproducing, Synchronized. C. W. Ebeling. 1,816,832; Aug. 4.
Photography, Color. J. G. Capstaff. 1,817,963; Aug. 11.
Photography, Color. L. Dufay. 1,805,361; May 12.
Photography, Color. J. N. Goldsmith, T. T. Baker, and C. Bonamico. 1,818,927; Aug. 11.
Photography, Color. W. V. D. Kelley. 1,810,180; June 16.
Photography, Color. L. T. Troland. 1,808,584; June 2.
Photolytic cell. G. Lewis. Des. 83,260; Feb. 10.
Photomechanical machine. H. C. Jones. 1,789,367; Jan. 20.
Photometer. C. W. Keuffel. 1,816,047; July 28.
Photomodulator, Duplex. R. H. Ranger. 1,790,722; Feb. 3.
Photoplay. E. A. Weaver. 1,804,727; May 12.
Photo-printing machine. H. A. Reedy. 1,824,622; Sept. 22.
Photo printing machine. L. S. Rennick. 1,820,494; Aug. 25.
Photoradioscope. R. H. Ranger. 1,819,197; Aug. 18.
Photos of the cavities of the body, Apparatus for taking. J. Heilpern and F. G. Back. 1,828,140; Oct. 20.

Phototungstates. Recovery of. J. F. Darling. 1,790,905; Feb. 3.
Piano. H. Barth. 1,815,228; July 21.
Piano. L. Loar. 1,798,212; Mar. 31.
Piano. L. Loar. 1,821,977–8; Sept. 8.
Piano. R. J. Schmude. 1,804,568; May 12.
Piano action. C. E. Cameron, jr. 1,806,595; May 26.
Piano-action bracket. F. T. Carlson. 1,787,665; Jan. 6.
Piano action, Grand. G. G. Campbell and J. Klepac. 1,803,890; May 5.
Piano action, Grand. C. N. Hickman. 1,823,142; Sept. 15.
Piano action, Grand. C. Trinkle. 1,829,314; Oct. 27.
Piano action, Plectrum. G. Casciotta. 1,824,706; Sept. 22.
Piano attachment. N. Mednikoff. 1,812,706; June 30.
Piano bridge. L. Loar. 1,815,265; July 21.
Piano carrier. R. H. Hutchinson. 1,826,470; Oct. 6.
Piano case. W. F. Bazner. Des. 83,299; Feb. 17.
Piano case. W. E. Janssen. 1,790,008; Jan. 27.
Piano case, Grand-. H. M. Zeltner. 1,794,816; Mar. 3.
Piano, Electrical. C. A. O'Neill. 1,831,749; Nov. 10.
Piano, Electrical sostenuto. S. Cooper. 1,801,488; Apr. 21.
Piano, Electrical sostenuto. S. Cooper. 1,811,076–7; June 23.
Piano, Electrical sostenuto. S. Cooper. 1,827,419; Oct. 13.
Piano harp, Electric. J. Bethenod. 1,837,144; Dec. 15.
Piano key reflecting device. M. W. Sharman. 1,829,065; Oct. 27.
Piano notes in chords or octaves, Sustaining. M. A. Arostegui. 1,831,734; Nov. 10.
Piano, Player. A. H. Boettcher. 1,788,561; Jan. 13.
Piano, Player. A. G. Gulbransen. 1,799,365; Apr. 7.
Piano-teaching instrument. E. J. Exter. 1,791,720; Feb. 10.
Piano, Upright. G. W. Lundholm. 1,794,783; Mar. 3.
Piano with floating bridge. J. H. Hammond, jr. 1,826,778; Oct. 13.
Piano with tone modulators. J. H. Hammond, jr. 1,794,375; Mar. 3.
Piano with tone modulators. J. H. Hammond, jr. 1,818,709; Aug. 11.
Pianos, Attachment for. C. M. Von Gizinsky, jr. 1,796,350; Mar. 17.
Pianos, Automatic action for player. E. S. Votey. 1,797,741; Mar. 24.
Pianos, Damper action for grand. F. Moser. 1,791,632; Feb. 10.
Pianos, Folding keybed for. A. H. Morse. 1,827,096; Oct. 13.
Pianos, Valve unit for player. J. Duncan. 1,796,145; Mar. 10.
Pianofortes and the like, Soundboard for. R. Sander. 1,794,550; Mar. 3.
Pianoforte, Pneumatically operated. R. H. Collen. 1,827,563; Oct. 13.
Pick, Ice. R. L. Smith. 1,793,378; Feb. 17.
Pick, Miner's. J. G. Sparks. 1,791,688; Feb. 10.
Pickup. F. L. Capps and H. A. Summers. Re18,089; June 2.
Pickup. O. B. Parker. 1,804,364; May 5.
Pick-up and carrier therefor. R. T. Cloud. 1,827,970; Oct. 20.
Pick up construction. L. H. Thoen. 1,830,299; Nov. 3.
Pick-up device. J. H. Butcher and F. P. Wills. 1,796,238; Mar. 10.
Pick-up device. E. H. Hull. 1,821,836; Sept. 1.
Picker: *See*—
Apple picker. Fruit picker.
Corn picker. Loom picker.
Cotton picker. Shuttle picker.
Cranberry picker. Weed picker.
Picker crank adjustment W. E. Smith. 1,189,926; Aug. 18.
Picker roll. R. J. Chandler. 1,790,339; Jan. 27.
Picker-stick-retracting device. A. D. Gargolinski. 1,797,952; Mar. 24.
Pickers, Doffing mechanism for cotton. E. A. Johnston and D. B. Baker. 1,828,534; Oct. 20.
Pickers, Power attachment for corn. N. Pederson and E. Grindberg. 1,798,351; Mar. 31.
Pickers, Snapping roll for corn. H. Synck. 1,827,216; Oct. 13.
Pickling apparatus. A. Dietzel. 1,806,239; May 19.
Pickling apparatus. F. L. Hummel. 1,800,533; Apr. 14.
Pickling apparatus. S. L. Williams. 1,801,063; Apr. 14.
Pickling bath and inhibitor therefor. E. C. Wright. 1,792,958; Feb. 17.
Pickling machine. C. T. Haines. 1,787,820; Jan. 6.
Pickling machine. R. C. Hopkins. 1,835,219; Dec. 8.
Pickling machine, Continuous. C. B. Palmer and K. Kronborg. 1,801,800; May 12.
Pickling screen. R. G. Miller. 1,830,070; Nov. 3.
Pickling solution. F. C. Elder. 1,837,118; Dec. 15.
Pickling tank, Lead lined. R. H. Bolen. 1,835,843; Dec. 8.
Picture and sound projecting apparatus, Change-over for. L. D. Strong. 1,796,970; Mar. 17.
Picture and sound reproducing machine, Synchronized motion. A. De Madaler. 1,815,693; July 21.
Picture and sound reproduction apparatus, Synchronously operated motion. A. De Madaler. 1,815,694; July 21.
Picture and sound reproduction apparatus, Synchronously operated motion. F. von Madaler. 1,803,572; May 5.
Picture and talking machine, Combined motion. A. M. Olsen. 1,838,440; Dec. 29.
Picture apparatus, Intermittent feed for motion. A. F. Victor. 1,825,254; Sept. 29.
Picture apparatus, Motion. R. M. Geyer and C. M. Sweet. 1,802,248; Apr. 21.
Picture apparatus, Motion. W. K. Grimm. 1,804,685; May 12.
Picture apparatus, Motion. H. Hoffman and P. F. Karst. 1,804,340; May 5.
Picture apparatus, Motion-. N. A. Nicholson. 1,800,745; Apr. 14.
Picture apparatus, Motion. F. H. Owens. 1,821,946; Sept. 8.
Picture apparatus, Motion. F. H. Owens. 1,833,371; Nov. 24.
Picture apparatus, Motion-. S. F. Stein. 1,788,808; Jan. 13.
Picture apparatus, Motion. A. F. Victor. 1,825,253; Sept. 29.
Picture apparatus, Talking motion. C. H. Seaholm. 1,837,889; Dec. 22.
Picture, decorative panel and surface, plaque, and the like. D. Sorge. 1,802,448; Apr. 28.
Picture device, Motion-. F. H. Owens. 1,787,592; Jan. 6.
Picture effects, Apparatus for producing motion. A. B. Leech. 1,821,557. Sept. 1.
Picture exhibitor, Educational. H. C. England. 1,825,900; Oct. 6.
Picture frame. C. F. Brecht. Re17,951; Feb. 3.
Picture frame. C. Bremer. 1,823,485; Sept. 15.
Picture frame. H. L. Budd. 1,793,436; Feb. 17.
Picture frame. C. A. Elsy. Des. 85,171; Sept. 22.
Picture frame. O. T. Gastgivar. 1,815,841; July 21.
Picture frame. C. W. McCoy. Des. 85,386; Oct. 20.
Picture frame. L. J. Meyer. 1,787,541; Jan. 6.
Picture frame. L. Sain. Des. 84,656. July 14.
Picture-frame hanger. G. Samard. 1,792,326; Feb. 10.
Picture hanger. R. C. Boswell. 1,812,254; June 30.
Picture hanger. R. Broder. 1,808,521; June 2.
Picture hanger. P. L. Knight. 1,795,608; Mar. 10.
Picture-hanger plate. W. H. Simon. 1,794,327–8; Feb. 24.
Picture holding device for album leaves. J. C. Schulz. 1,832,249; Nov. 17.
Picture machine and elevating support therefor, Combined. F. H. Owens. 1,803,347; May 5.
Picture machine, Motion. T. Hill. 1,814,217; July 14.
Picture machine, Motion. W. C. Readeker. 1,818,355; Aug. 11.
Picture machine, Motion. G. F. D. Rollings. 1,835,240; Dec. 8.
Picture machine, Motion. J. M. Wall. 1,834,908; Dec. 1.
Picture machine, Motion. C. Williams. 1,820,418; Aug. 25.
Picture machine, Moving. R. Decaux. 1,828,032; Oct. 20.
Picture machine safety device, Moving. R. Henri and F. H. Akins. 1,836,071; Dec. 15.
Picture machines, Power transmission and framing mechanism for motion. L. D. Kohlmeyer. 1,827,011; Oct. 13.
Picture machines, Synchronizing talking motion. W. R. Moore, jr. 1,827,947; Oct. 20.
Picture making apparatus. J. K. Bauer. 1,830,634; Nov. 3.
Picture mounting device. A. W. Engel. 1,811,116; June 23.
Picture printer, Sound-. F. La Grande. 1,788,308; Jan. 6.
Picture printing apparatus, Motion. F. H. Owens. 1,817,320; Aug. 4.
Picture printing machine, Motion. G. Lane. 1,805,948; May 19.
Picture process. F. D. Williams. 1,827,924; Oct. 20.
Picture producing apparatus, Sound. A. J. Bradford. 1,833,733; Nov. 24.
Picture-projecting apparatus. T. W. Fawell. 1,792,971; Feb. 17.
Picture projecting apparatus. A. K. Hanks. 1,831,766; Nov. 10.
Picture projecting machine and the like, Motion. A. S. Howell. 1,834,707; Dec. 1.
Picture projecting machines, Dowser control mechanism for motion. J. T. Fewkes. 1,810,348; June 16.
Picture projecting machines, Unitary safety device for motion. T. T. Allen. 1,820,959; Sept. 1.
Picture-projection apparatus, Motion-. F. Brook. 1,799,154; Apr. 7.
Picture projection machines, Adjusting apparatus for motion. A. Dina. 1,811,880; June 30.
Picture projection, Motion. G. J. Badgley. 1,809,327; June 9.
Picture projection screen, Motion. B. Petrowsky. 1,834,177; Dec. 1.
Picture projector. C. Bornmann. 1,803,313; May 5.
Picture projector. R. P. de Vault. 1,814,588; July 14.
Picture projector adjusting and locking mechanism, Motion. A. Dina. 1,838,750; Dec. 29.
Picture projector, Motion-. H. A. de Vry. 1,798,144; Mar. 31.
Picture projector, Motion. L. Goldhammer. 1,807,737; June 2.
Picture projector, Motion. A. C. Hayden. 1,829,482; Oct. 27.
Picture projector, Motion. W. H. Meyer. 1,812,212; June 30.

Picture projector, Motion-. E. J. Wienke. 1,797,111; Mar. 17.
Picture projector, Motion. W. L. Wright and S. M. Wright. 1,817,026; Aug. 4.
Picture projector, Portable talking motion. R. V. Terry. 1,814,269; July 14.
Picture projectors, Operating mechanism for the fire shutter of moving. A. J. Holman. 1,835,159; Dec. 8.
Picture projectors, Safety device for motion-. J. R. Sears. 1,800,410; Apr. 14.
Picture projectors, Sound head for motion-. E. M. Jensen. 1,797,149; Mar. 17.
Picture record, Combined sound and color motion-. F. M. Bishop. 1,788,010; Jan. 6.
Picture recording. R. H. Ranger and F. G. Morehouse. 1,819,264; Aug. 18.
Picture recording and projection apparatus, Moving. M. R. Huc. 1,808,603; June 2.
Picture reel, Moving-. J. R. Towne. 1,793,198; Feb. 17.
Picture rewinding mechanism, Motion. M. Dainow. 1,820,731; Aug. 25.
Picture screen. J. C. Kroesen. 1,817,630; Aug. 4.
Picture screen. H. Saunders. 1,819,268; Aug. 18.
Picture-screen, Collapsible. J. T. Heck. 1,832,705; Nov. 17.
Picture screen, Making motion. W. H. C. Lassen. 1,804,170; May 5.
Picture screen, Motion. A. Friedland. 1,835,642; Dec. 8.
Picture screen, Motion. J. A. Gray. 1,810,168; June 16.
Picture screen, Motion-. A. L. Raven. 1,795,442; Mar. 10.
Picture screen, Motion. A. L. Raven. 1,828,749; Oct. 27.
Picture screen, Moving. E. M. Crawford. 1,810,346; June 16.
Picture screen, Moving. J. A. Gray. 1,810,169; June 16.
Picture screen, Noninflammable sound. W. J. Schoonmaker. 1,808,078; June 2.
Picture screen, Sound. W. J. Schoonmaker. 1,808,077; June 2.
Picture sound apparatus, Motion. C. L. Heisler. 1,823,737; Sept. 15.
Picture support. S. Herbert. 1,807,288; May 26.
Picture system, Sound. A. K. Aster. 1,835,743; Dec. 8.
Picture system, Sound. S. C. Chapman. 1,823,349; Sept. 15.
Picture, Talking cartoon motion. F. H. Owens. 1,809,599; June 9.
Picture transmission. E. F. W. Alexanderson. 1,830,586; Nov. 3.
Picture transmission, Analyzing system for. R. H. Ranger. 1,828,000; Oct. 20.
Picture transmission apparatus. I. Langmuire. 1,828,571; Oct. 20.
Picture transmission by wire or radio, Method and apparatus for. E. F. W. Alexanderson and R. H. Ranger. 1,787,851; Jan. 6.
Picture transmission, Continuous. F. Schröter. 1,800,031; Apr. 7.
Picture transmission, Electrical. E. F. Watson. 1,788,476; Jan. 13.
Picture transmission, Method of and apparatus for. E. Belin. 1,821,416; Sept. 1.
Picture transmission, Wireless. V. K. Zworykin. 1,800,000; Apr. 7.
Picture transmitting system. A. Weaver and D. E. Branson. 1,814,987; July 14.
Pictures and films therefor, Taking and projection of motion. H. Chretien. 1,829,634; Oct. 27.
Pictures and obliterating stipulated portion or portions therefor, Talking motion. L. de Forest. Re18,108; June 23.
Pictures, Apparatus for developing and printing. E. Wasylenko. 1,808,585; June 2.
Pictures, Apparatus for making animated. A. W. Carpenter. 1,805,511; May 19.
Pictures, Apparatus for producing motion. L. del Riccio. 1,832,739; Nov. 17.
Pictures, Apparatus for producing speaking and sound. A. H. Watson. 1,787,919; Jan. 6.
Pictures, Apparatus for projecting motion. E. Buckingham and W. A. Kosken. 1,836,898; Dec. 15.
Pictures, Apparatus for taking photographic or cinematographic. A. L. V. C. Debrie. 1,824,709; Sept. 22.
Pictures, Elimination of distortion and the creation of stereoscopic effects in moving. G. Griffith. 1,819,327; Aug. 18.
Pictures in color, Method of and apparatus for producing motion. E. L. Pearson. 1,824,446; Sept. 22.
Pictures in space, Apparatus for producing luminous. E. Bergve. 1,789,212; Jan. 13.
Pictures, Making composite. R. J. Pomeroy. 1,788,740; Jan. 13.
Pictures, Making dissolves and effects in motion. J. F. Seitz. 1,813,428; July 7.
Pictures, Making viewing gratings for relief or stereoscopic. H. E. Ives. 1,814,701; July 14.
Pictures, Method and apparatus for producing talking moving. E. I. Sponable. 1,832,821; Nov. 17.
Pictures, Method and apparatus for transmitting. T. W. Case. 1,790,898; Feb. 3.
Pictures, Method of and device for showing cinematographic. O. Messter. 1,798,335; Mar. 31.
Pictures, Motion. S. J. Sanford. 1,807,877; June 2.
Pictures or views, Transmission of. R. D. Kell. 1,793,406; Feb. 17.
Pictures, particularly cinematograph pictures with quasi or psychic stereoscopic impression, Projection of. A. S. Cubitt. 1,794,103; Feb. 24.
Pictures, Process and apparatus for drawing electrical. P. Selenyi. 1,818,760; Aug. 11.
Pictures, Producing a background for moving. F. Fulgora. 1,806,452; May 19.
Pictures, Producing motion. F. Waller. 1,815,455; July 14.
Pictures, Producing multipose. C. W. Bhosys. 1,813,436; July 7.
Pictures, Producing projection. F. Fleischer. 1,821,626; Sept. 1.
Pictures, reading maps and writings, and the like, Device for looking at. S. Samson and A. Vocke. 1,833,595; Nov. 24.
Pictures, Recording and reproducing talking motion. E. S. Hayford. 1,825,955; Oct. 6.
Pictures, Taking and projection motion. J. H. White. 1,819,492; Aug. 18.
Pictures telegraphically, Device for transmitting. W. Scheppmann. 1,838,709; Dec. 29.
Pictures, Transferring gelatine silver bromide. M. Procoudine-Gorsky. 1,812,981; July 7.
Pictures, Transmission and reception of. R. D. Kell. 1,796,030; Mar. 10.
Pictures, Transmission of. E. F. W. Alexanderson. 1,792,264; Feb. 10.
Pictures, Transmission of. J. O. Bentley. 1,788,227; Jan. 6.
Pictures, Transmission of. R. D. Kell. 1,828,667; Oct. 20.
Pictures, Transmission of. W. A. Tolson. 1,792,259; Feb. 10.
Pie and cake dividing machine, Automatic. C. E. Turnquist. 1,800,706; Apr. 14.
Pie making process. E. Moss. 1,814,485; July 14.
Pie marker. F. L. Brown. 1,797,070; Mar. 17.
Piercing, counter-sinking and riveting machine, Automatic. N. R. Robinson. 1,834,221; Dec. 1.
Piercing machine. H. C. Moulton. 1,830,404; Nov. 3.
Piercing machine. A. G. Wagner. 1,831,213; Nov. 10.
Pie-removing device. T. Milldown. 1,795,260; Mar. 3.
Piezo-electric crystal control system. A. Hund. 1,788,239; Jan. 6.
Piezo-electric crystals and apparatus therefor, Exciting. J. R. Harrison. 1,796,650; Mar. 17.
Piezo-electric device. C. B. Sawyer. 1,802,780; Apr. 28.
Piezo-electric device. C. B. Sawyer. 1,802,782–3; Apr. 28.
Piezo electric device. C. B. Sawyer and C. F. Brush, jr. 1,802,781; Apr. 28.
Piezo-electric modulation, Double-grid. A. McL. Nicolson. 1,796,117; Mar. 10.
Pig feeding and oiling device. O. Miller. 1,818,419; Aug. 11.
Pig Iron, Making synthetic. T. F. Baily and L. G. Pritz. 1,821,782; Sept. 1.
Pigment. W. J. O'Brien. 1,832,416–18; Nov. 17.
Pigment and producing the same. A. B. Cowdery. 1,820,444; Aug. 25.
Pigment coatings, Apparatus for applying. E. P. Lang. 1,827,876; Oct. 20.
Pigment, Composite lake. W. H. Whatmough. 1,813,371; July 7.
Pigment containing titanium from sludge of titanium, Manufacture of a brown. N. Specht. 1,832,666; Nov. 17.
Pigment materials, Purifying. W. H. Test. 1,806,988; May 26.
Pigments, Accelerating the settlement of. H. Grossman, 1,819,462; Aug. 18.
Pigments, Making. J. C. Heckman. 1,837,709; Dec. 22.
Pile and similar structure, Concrete. A. E. Schutte. 1,809,360; June 9.
Pile, Composite. L. Nadel. 1,805,253; May 12.
Pile, Composite. W. R. Marsden. 1,832,404; Nov. 17.
Pile core, Expanding. F. L. Jenkins. 1,827,015; Oct. 13.
Pile core from the point of the pile, Arrangement for forcing away the. I. Zeissl. 1,827,552; Oct. 13.
Pile driver attachment for rock drills. C. C. Hansen. 1,811,626; June 23.
Pile driving apparatus. G. M. Nell. 1,824,617; Sept. 22.
Pile driving apparatus. J. H. Thornley and G. L. Sherwood. 1,831,210; Nov. 10.
Pile driving mechanism, Hydraulic. L. White. 1,827,922; Oct. 20.
Pile fabric. C. Dreyfus. 1,818,540; Aug. 11.
Pile fabric. J. F. Florczyk. 1,835,940; Dec. 8.
Pile fabric and making the same. H. Mellor. 1,835,316; Dec. 8.
Pile fabric article and producing the same. W. Myers. 1,825,635; Sept. 29.
Pile fabric, Double-. J. Zimmermann, jr. 1,795,156–8; Mar. 3.
Pile fabric, Manufacturing a woven warp. E. J. Leach. 1,831,812; Nov. 17.
Pile fabrics and making the same. A. W. Drobile. 1,788,989; Jan. 13.
Pile fabrics and making the same, Knitted. D. P. Moore. 1,791,741; Feb. 10.
Pile forming and delivery means. S. G. Johnson. 1,792,693; Feb. 17.
Pile or tufted sheet fibrous material. B. H. Foster and K. B. Cook. 1,816,574; July 28.

Pile screwing apparatus. W. A. Radice. 1,804,706; May 12.
Pile, Sectional. E. D. Watt. 1,798,858; Mar. 31.
Pile shell for concrete piles. W. R. Marsden. 1,799,918; Apr. 7.
Pile shell with non-metallic lining. M. M. Upson. 1,834,752; Dec. 1.
Pile structure. H. V. Campbell. 1,805,975; May 19.
Pile structure. R. E. Sperry and R. E. Talmadge. 1,838,791; Dec. 29.
Pile threads in manufacturing carpets, Process and apparatus for knotting. R. Eibuschitz and H. Schreiber. 1,835,211; Dec. 8.
Pile wall. A. Mauterer. 1,835,417; Dec. 8.
Piling, Concrete. S. Takechi. 1,792,333; Feb. 10.
Piling, Forming. A. P. Miller. 1,836,083; Dec. 15.
Piling, Installing sheet. A. P. Miller. 1,835,665; Dec. 8.
Piling, Interlocking sheet. N. C. Rendleman. 1,804,436; May 12.
Piling, Iron. K. Schroeder. 1,831,427; Nov. 10.
Piling made of channel-iron sections, Symmetrical. K. Schroeser. 1,834,744; Dec. 1.
Piling, Protecting concrete. R. G. Osborne. 1,814,332; July 14.
Piling, Reenforced. J. M. Straub. 1,809,574; June 9.
Piling, Sheet. R. S. A. Dougherty and R. J. McIntosh. 1,806,967; May 26.
Piling, Sheet metal. E. Becker and F. W. Brusch. 1,835,367; Dec. 8.
Piling spacer. G. A. Guyer. 1,805,086; May 12.
Piles, Apparatus for forming concrete. M. M. Upson. 1,836,140; Dec. 15.
Piles, Apparatus for setting. J. W. Harter. 1,800,727; Apr. 14.
Piles, Forming. J. B. Goldsborough. 1,794,892; Mar. 3.
Piles, Making concrete. A. E. Schutte. 1,788,748; Jan. 13.
Piles, Method of and apparatus for making cast-in-place. J. H. Thornley and G. L. Sherwood. 1,831,209; Nov. 10.
Piles of concrete and the like, Device for the production of. E. F. Frankignoul. 1,830,651; Nov. 3.
Piles, Waterproofing. A. E. Schutte. 1,809,359; June 9.
Pillow. A. E. Mueller. 1,787,832; Jan. 6.
Pillow or similar article. H. Kraus. Des. 83,818; Mar. 31.
Pilot and heater, Combined. A. F. Coony. 1,830,933; Nov. 10.
Pilot, Automatic. M. F. Bates. 1,793,433; Feb. 17.
Pilot, Automatic. E. A. Sperry. 1,818,103; Aug. 11.
Pilot control, Air-block. L. W. Browne. 1,795,288; Mar. 10.
Pilot control for gas burners. A. F. Kipper. 1,820,461; Aug. 25.
Pilot, Curtain rod. E. H. Hart. 1,810,207; June 16.
Pilot, Expansion. W. H. Evans. 1,822,649; Sept. 8.
Pilot, Locomotive. T. J. Hammer. 1,837,960; Dec. 22.
Pilot stand. R. A. MacComb. 1,795,566; Mar. 10.
Pilot, Tool-centering. P. M. Schlauch. 1,796,404; Mar. 17.
Pimiento peppers, Treating. W. L. Graefe. 1,797,140; Mar. 17.
Pin: *See*—
Bowling pin.
Connecting pin.
Contact pin.
Coupling pin.
Die set pin.
Dowel pin.
Drapery pin.
Hair pin.
Impaling pin.
Insulator pin.
Marking pin.
Mounting pin.
Novelty pin.
Roller pin.
Rolling pin.
Rug tag-pin
Safety pin.
Upholstery tag pin.
Wrist pin.
Pin. M. N. Beaumont. 1,836,745; Dec. 15.
Pin and making same, Tubular. W. J. Gagnon. 1,812,743; June 30.
Pin and needle stand. W. Rusilas. Des. 84,549; June 30.
Pin and wrench, Combination drift. G. H. Herdman. 1,828,142; Oct. 20.
Pin board. J. E. Johnson. 1,794,775; Mar. 3.
Pin cam and roll, Impaling. H. A. W. Wood. 1,834,666; Dec. 1.
Pin construction, Wrist. H. Heiermann. Re18,144; Aug. 4.
Pincushion. J. E. Blumberg. 1,788,420; Jan. 13.
Pin fastening. M. K. Lua. 1,799,052; Mar. 31.
Pin for artificial teeth. A. E. Gibson. 1,821,201; Sept. 1.
Pin for draperies, curtains and the like, Weighted. R. B. Peterman and F. V. Stevenson. 1,828,678; Oct. 20.
Pin for folding cylinders. H. A. W. Wood. 1,837,005; Dec. 15.
Pin insulators, Safety detector device for. C. H. Spangler. 1,831,372; Nov. 10.
Pin mounting and fastening, Wrist-. W. J. Tollerton, G. S. Goodwin and A. F. Leppla. 1,789,326; Jan. 20.
Pin, pendant, and choker, Combined bar. J. F. Sulger and S. Kaufmann. 1,797,703; Mar. 24.
Pin resetting mechanism. F. D. Talbert. 1,826,154; Oct. 6.
Pin-setting and ball-returning device. R. L. Lloyd. 1,794,967; Mar. 3.
Pin setting apparatus. J. C. Backus. 1,833,813; Nov. 24.
Pin sorter and dispenser. F. R. Strobel. 1,812,501; June 30.
Pin ticket and the like. M. A. Marsh. 1,802,980; Apr. 28.
Pinning clamp. A. Stenger. 1,807,801; June 2.
Pineapple from waste shell, Device for recovering. R. B. Taylor. 1,819,575; Aug. 18.
Pinion stand. J. A. Smitmans. 1,825,927; Oct. 6.
Pipe: *See*—
Amusement pipe.
Cement pipe.
Dry pipe.
Filler pipe.
Metal pipe.
Pitch pipe.
Sewer pipe.
Sewerage distributing pipe.
Sheet-metal pipe.
Shower pipe.
Smoke pipe.
Smoker's pipe.
Smoking pipe.
Steel pipe.
Stove pipe.
Tobacco pipe.
Track sanding pipe.
Water pipe.
Pipe. H. Mallett. 1,828,149; Oct. 20.
Pipe anchor and clamp. P. W. Dieter. 1,821,294–5; Sept. 1.
Pipe and armored insulation therefor, System of installing insulated. A. E. Axlund. 1,788,939; Jan. 13.
Pipe and chimney connection. B. L. Flaherty. 1,835,703; Dec. 8.
Pipe and pit, Exhaust. H. A. Holzer. 1,838,834; Dec. 29.
Pipe and similar articles, Method and apparatus for manufacturing sewer. H. P. Williams. 1,826,586; Oct. 6.
Pipe and the like, Device for bending. W. E. Holsclaw and H. E. Holsclaw. 1,794,689; Mar. 3.
Pipe and the like. Reinforced concrete. J. C. Schulze and G. W. Egerer. 1,827,620; Oct. 13.
Pipe and valve, Intake. O. V. Kruse and C. W. Larner. 1,829,704; Oct. 27.
Pipe, Apparatus for calking. W. H. Saunders. 1,828,075; Oct. 20.
Pipe, Apparatus for testing multiple-welded. H. D. Scott. 1,797,882; Mar. 24.
Pipe arrangement for single-expansion articulated steam locomotives, Steam-. J. G. Blunt. 1,798,131; Mar. 31.
Pipe bending die, Flexible. J. W. Offutt. 1,837,060; Dec. 15.
Pipe bending machine. F. G. Gross. 1,837,040; Dec. 15.
Pipe clamp. H. Eisenberg. 1,824,596; Sept. 22.
Pipe clamp. J. Gurschke. 1,827,576; Oct. 13.
Pipe clamp. V. H. Harbert. 1,835,155; Dec. 8.
Pipe clamp. L. A. Hoerr. 1,819,815; Aug. 18.
Pipe clamp. G. Krell. 1,806,944; May 26.
Pipe clamp. M. B. Skinner. 1,831,641; Nov. 10.
Pipe clamp. S. O. Taylor. 1,794,476; Mar. 3.
Pipe clamp fitting, Unit. A. M. Rossman. 1,835,338; Dec. 8.
Pipe clamp fittings, Angular. A. M. Rossman. 1,835,339; Dec. 8.
Pipe cleaner. L. F. Densmore. 1,831,099; Nov. 10.
Pipe cleaner. W. R. Lee. 1,811,205; June 23.
Pipe cleaner. F. G. Long. 1,806,478; May 19.
Pipe cleaner, Waste-. A. Nowakowski. 1,796,340; Mar. 17.
Pipe cleaning device. P. Dahlen. 1,812,200; June 30.
Pipe clip. T. N. Rowling. 1,787,734; Jan. 6.
Pipe closing device. A. M. Arnott. 1,817,796; Aug. 4.
Pipe closure. W. B. Thomas and V. L. Sprague. 1,837,346; Dec. 22.
Pipe-coating machine. E. Jansen. 1,796,691; Mar. 17.
Pipe-coil header. G. H. Butler. 1,797,636; Mar. 24.
Pipe coil heat exchange equipment. W. H. McGrath. 1,833,876; Nov. 24.
Pipe coiled with steel wire for pressure conduits and vessels under pressure. S. P. Monsch. 1,804,888; May 12.
Pipe connecter. A. K. Mosley. 1,811,277; June 23.
Pipe connecter, Automatic train-. J. Robinson. 1,787,455; Jan. 6.
Pipe connecter, Automatic train. J. Robinson. 1,813,125; July 7.
Pipe connecter head, Automatic train-. J. Robinson. Re18,034; Apr. 7.
Pipe connecter, Threadless. E. J. Noble. 1,822,056; Sept. 8.
Pipe connecters, Head for automatic train. M. A. Barber. 1,837,009; Dec. 15.
Pipe connection. R. B. Morse and H. R. Devilbiss. 1,810,434; June 16.
Pipe connection, Hinged. N. Luisi. 1,791,418; Feb. 3.
Pipe connection joint. F. E. Reed. 1,833,262; Nov. 24.
Pipe connection, Steam. J. O. Eslava. 1,813,613; July 7.
Pipe connection, Train. J. W. Roberts. 1,834,742; Dec. 1.
Pipe connection with safety valves, Flexible. J. B. Gross. 1,791,447; Feb. 3.
Pipe connections, Method and apparatus for making emergency. H. M. Myracle. 1,831,878; Nov. 17.
Pipe connector, Automatic train. J. Robinson. 1,819,386; Aug. 18.
Pipe construction, Exhaust-. W. H. Radford. 1,794,642; Mar. 3.
Pipe construction, Swivel wash. J. S. Morgan. 1,830,440; Nov. 3.
Pipe coupler. S. N. Buchanan. 1,793,455; Feb. 24
Pipe coupler, Train. E. O. Hermann. 1,812,047; June 30.
Pipe coupling. H. J. Burnish. 1,818,985; Aug. 18.
Pipe coupling. S. V. Dillon. 1,789,379; Jan. 20.
Pipe coupling. S. V. Dillon. 1,833,776; Nov. 24.
Pipe coupling. C. H. Hagstedt. 1,822,887; Sept. 15.
Pipe coupling. E. E. Hewitt. 1,820,020; Aug. 25.
Pipe coupling. O. G. Hitchcock. 1,818,255; Aug. 11.
Pipe coupling. O G. Hitchcock. 1,838,180; Dec. 29.
Pipe coupling. C. F. Jahns. 1,803,472; May 5.

Pipe coupling. E. J. Kroeger and J. R. Gammeter. 1,800,085; Apr. 7.
Pipe coupling. A. T. McWane. 1,818,493; Aug. 11.
Pipe coupling. W. S. Pierce. Re18,296; Dec. 22.
Pipe coupling. G. J. Rathbun. 1,799,762; Apr. 7.
Pipe coupling. E. Sexton. 1,832,054; Nov. 17.
Pipe coupling. A. J. Smith. 1,812,835; June 30.
Pipe coupling. C. E. Smith. Re18,119; July 7.
Pipe coupling. G. M. Smith. 1,819,007; Aug. 18.
Pipe coupling. A. J. Weatherhead, jr. 1,803,576; May 5.
Pipe coupling. G. E. Worthington. 1,790,398; Jan. 27.
Pipe coupling and forming the same. C. F. Schultis. 1,804,814; May 12.
Pipe coupling apparatus. E. C. Pedley. 1,805,007; May 12.
Pipe coupling, Automatic. G. N. Knapp. 1,787,750; Jan. 6.
Pipe coupling, Automatic train. C. C. Farmer. 1,828.963; Oct. 27.
Pipe coupling, Automatic train-. O. H. Le Compte. 1,791,870; Feb. 10.
Pipe coupling, Automatic train. J. Robinson. 1,835,526-7; Dec. 8.
Pipe coupling, Compression. I. Cowles. 1,791,121; Feb. 3.
Pipe coupling, Flexible. W. B. Damsel. 1,833,319; Nov. 24.
Pipe coupling, Metallic. F. L. R. Reure. 1,824,792; Sept. 29.
Pipe coupling or connection. H. G. Ullman. 1,805,321; May 12.
Pipe coupling, Sectional. A. J. Weatherhead, jr. 1,803,577–8; May 5.
Pipe coupling, Sectional. A. J. Weatherhead, jr. 1,825,034; Sept. 29.
Pipe crimping device. H. E. Patton. 1,829,012; Oct. 27.
Pipe cutter. W. L. Church. 1,810,344; June 16.
Pipe cutter. W. O. Thewes. 1,833,980; Dec. 1.
Pipe cutter, Emergency. H. Goldhagen. 1,811,046; June 23.
Pipe cutter, Inside. H. J. Denney. 1,805,515; May 19.
Pipe cutter, Internal. G. V. Powers. 1,814,058; July 14.
Pipe cutter, Outside. D. H. Reed. 1,834,071; Dec. 1.
Pipe-cutting machine. W. B. Ewing. 1,801,038; Apr. 14.
Pipe, Device for cleaning and coating. F. McManis. 1,821,352; Sept. 1.
Pipe, Electric arc welding. H. J. Burnish. 1,830,783; Nov. 10.
Pipe ends, Apparatus for expanding. T. D. Davies and A. S. Johnston. 1,791,887; Feb. 10.
Pipe fitting. M. A. Sisk. 1,787,645; Jan. 6.
Pipe fitting, Adaptable. E. C. McAlees. 1,818,858; Aug. 11.
Pipe fitting and making the same. O. B. Mueller, W. M. Robinson, and H. K. Rader. 1,801,171; Apr. 14.
Pipe fitting apparatus. L. C. Fenn and S. Davis. 1,805,909; May 19.
Pipe fittings, Making. H. G. Carlson. 1,830,262; Nov. 3.
Pipe fittings, Process of and apparatus for manufacturing metal. F. C. Fantz. 1,812,522; June 30.
Pipe fittings with tangential ends, Manufacturing metal. F. C. Fantz. 1,812,523; June 30.
Pipe flanging and upsetting machine. R. K. Hopkins. 1,807,531; May 26.
Pipe flask. J. C. Addicks and W. E. Burgess. 1,788,969; Jan. 13.
Pipe flask. J. R. McWane. 1,826,083; Oct. 6.
Pipe-forming method, Spiral. J. R. Freeze. 1,793,282; Feb. 17.
Pipe from wells, Removing. R. A. Mueller. 1,830,207; Nov. 3.
Pipe grip. T. M. Page. 1,788,542; Jan. 13.
Pipe handling apparatus. J. E. Stephens. 1,829,879; Nov. 3.
Pipe handling machine. P. E. Ryerson. 1,835,431; Dec. 8.
Pipe hanger. J. W. Leslie. 1,804,472; May 12.
Pipe hanger. P. J. Neilon. 1,805,006; May 12.
Pipe hanger. L. R. Zifferer. 1,825,842; Oct. 6.
Pipe hanger for electrical conduits and the like. W. R. Hathaway. 1,804,416; May 12.
Pipe holding device. J. E. Hoffoss and L. O. Koen. 1,836,596; Dec. 15.
Pipe insulation. E. F. Jones. 1,789,819; Jan. 20.
Pipe insulation. F. C. Russell and C. L. Savidge. 1,825.424; Sept. 29.
Pipe joint. C. G. Boutry. 1,804,856; May 12.
Pipe joint. B. M. Brownell. 1,795,541; Mar. 10.
Pipe joint. H. C. Heaton, W. H. Neubeck, and L. Reisfeld. 1,825,062; Sept. 29.
Pipe joint. H. S. Hele-Shaw. 1,808,262; June 2.
Pipe joint. S. F. Jackes and L. H. Runder. 1,798,121; Mar. 24.
Pipe joint. S. M. Kass. 1,794,905; Mar. 3.
Pipe joint. J. R. McWane. 1,824,560; Sept. 22.
Pipe joint. J. C. Mitchell. 1,826.321; Oct. 6.
Pipe joint. A. G. Perkins. 1,829,236; Oct. 27.
Pipe joint. D. B. Replogle. 1,836,336; Dec. 15.
Pipe joint. C. W. Ross, jr. 1,806,710; May 26.
Pipe joint. A. Spyer. 1,836,198; Dec. 15.
Pipe joint. F. McS. Thomas. 1,805,962; May 19.
Pipe joint and making same, Welded. R. Furrer. 1,810,825; June 16.
Pipe joint and the like, Expansion. W. M. Kermode and C. S. Plummer. 1,805,335; May 12.
Pipe-joint, Flexible. H. G. Plummer. 1,821,274; Sept. 1.
Pipe joint, Flexible. W. C. White. 1,795,155; Mar. 3.
Pipe joint, Flexible. W. C. White. 1,795,811; Mar. 10.
Pipe joint, Flexible. W. C. White. 1,801,892; Apr. 21.
Pipe joint, Flexible. W. C. White. 1,802,690; Apr. 28.
Pipe joint, Flexible. W. C. White. 1,803,820; May 5.
Pipe joint, Flexible. W. C. White. 1,827,500; Oct. 13.
Pipe joint reamer. R. M. Scoggins. 1,829,458; Oct. 27.
Pipe joint, Reenforced. G. Reichenbecher. 1,824.499; Sept. 22.
Pipe joint, Revoluble. V. M. Wade and C. E. Zuspan. 1,797,382; Mar. 24.
Pipe jointer. A. E. Rasmussen. 1,787,492; Jan. 6.
Pipe joints for leakage, Apparatus for testing. D. H. B. Reynolds. 1,788,845; Jan. 13.
Pipe joints, Welding. H. F. Brown. 1,838,249; Dec. 29.
Pipe line controlling means. A. H. Riney and L. T. Gibbs. 1,803,437; May 5.
Pipe-line joints, Reenforcement for. G. Fullmer. 1,790,266; Jan. 27.
Pipe lines, Laying and protecting underground. D. F. McRae. 1,792,855; Feb. 17.
Pipe, Loading wrapped. A. A. Chambers. 1,793,059; Feb. 17.
Pipe machine, Spiral-. F. L. Williams. 1,788,220; Jan. 6.
Pipe, Making circumferentially corrugated sheet metal. G. M. Smith. 1,811,678; June 23.
Pipe, Method and apparatus for making reenforced. H. Cook. 1,828,890; Oct. 27.
Pipe, Method of and apparatus for electroplating. S. H. Davis, C. O. Anderson, R. J. Stengl, W. N. Smith, and H. R. Hanley. 1,836,579; Dec. 15.
Pipe of cement or reenforced cement. B. E. Monteux. 1,802,265; Apr. 28.
Pipe opening machine, Revolving waste. A. Reber. 1,807,549; May 26.
Pipe organ valve action. D. S. Barrows. 1,821,253; Sept. 1.
Pipe organ valve, Adjustable. D. S. Barrows. 1,821,286; Sept. 1.
Pipe organ valve, Removable. D. S. Barrows. 1,821,285; Sept. 1.
Pipe or rod coupling. B. Hunziker. 1,835,399; Dec. 8.
Pipe or tube joint. H. J. Kerr. 1,802,766; Apr. 28.
Pipe-outlet construction. C. Reigart. 1,792,928; Feb. 17.
Pipe painting apparatus. D. R. Hiskey. 1,829,831; Nov. 3.
Pipe puller. F. G. Carrington. 1,796,703; Mar. 17.
Pipe puller. H. J. Denney. 1,815,462; July 21.
Pipe puller, Automatic. B. D. Brannon. 1,797,632; Mar. 24.
Pipe puller for removing or pulling pipes or casings from wells and the like. J R. Gill. 1,805,280; May 12.
Pipe pushing machine. H. A. Johnson. 1,809,342; June 9.
Pipe rack, Smoking. M. de Bussey. 1,823,729; Sept. 15.
Pipe racking device. H. N. Marsh. 1,812,351; June 30.
Pipe racking device. R. W. Siler. 1,818,278; Aug. 11.
Pipe reamer. H. N. Allinson. 1,792,886; Feb. 17.
Pipe reamer. W. W. Vosper. 1,791,649; Feb. 10.
Pipe reamer, Tobacco. F. Krekeler. 1,807,576; May 26.
Pipe reducer, Siphon. C. H. Atkins. 1,833,551; Nov. 24.
Pipe rest. J. H. Owens. 1,806,176; May 19.
Pipe seam, Stove. D. A. Miller. 1,829,754; Nov. 3.
Pipe sections, Detachable. J. N. Jacobson. 1,817,691; Aug. 4.
Pipe shelves, keystones, ring stones, and like articles, Manufacture of. W. Kosfeld. 1,788,837; Jan. 13.
Pipe slips, Lifting device for. F. J. O'Brien. 1,802,156; Apr. 21.
Pipe spinning winch, Direct pulling. W. H. Endsley. 1,811,686; June 23.
Pipe stem, Thermo-air cooled. A. S. Hickey. 1,828,044; Oct. 20.
Pipe strap, Leader-. D. J. Finucane. 1,787,442; Jan. 6.
Pipe-supporting clamp, Meter-. F. C. Freeman. 1,795,019–20; Mar. 3.
Pipe-suspension device. C. L. Dean, F. A. Lockwood, and G. B. Richie. 1,795,713; Mar. 10.
Pipe systems and fittings therefor, Installing welded. J. L. Anderson. 1,826,377; Oct. 6.
Pipe tap. J. L. Skuttle. 1,791,385; Feb. 3.
Pipe thread protector. H. J. Burnish. 1,807,565; May 26.
Pipe-threading apparatus. J. V. Jardine. 1,797,422; Mar. 24.
Pipe threading machine. E. W. Blanchard. 1,829,183; Oct. 27.
Pipe turning device. H. White. 1,802,993; Apr. 28.
Pipe union. T. H. Redfield. 1,812,553; June 30.
Pipe union. H. L. Uber. 1,824,642; Sept. 22.
Pipe upsetting machine. J. H. Tayler. 1,817,215; Aug. 4.
Pipe vise stand. L. W. Jones. 1,807,916; June 2.
Pipe wrapping machine. H. B. Lynch. 1,814,320; July 14.
Pipe wrench. J. E. Blalock. 1,811,452; June 23.
Pipe wrench. F. J. Clemens. 1,838.659; Dec. 29.
Pipe wrench. T. F. Cunningham and A. H. Gifford. 1,805,078; May 12.
Pipe wrench. C. Hartman. 1,806,457; May 19.
Pipe wrench. F. D. Maris. 1,803,198; Apr. 28.
Pipe wrench. W. Melin. 1,808,001; June 2.

Pipe wrench, Automatic power driven. W. W. Foster. 1,811,666; June 23.
Piping, Decorative. A. L. Howard. 1,837,775; Dec. 22.
Piping for seam ornamentation. H. A. Evans. 1,831,349; Nov. 10.
Piping, making and applying, and article of manufacture containing the same, Ornamental. H. A. Evans. 1,831,764; Nov. 10.
Piping, Preserving underground. D. Finley. 1,807,903; June 2.
Piping strip or similar articles. A. L. Howard. Des. 83,483; Feb. 24.
Piping strip or similar article. A. L. Howard. Des. 85,525; Nov. 10.
Pipes and like hollow articles, Method and apparatus for manufacturing. T. G. O. Hyden and E. V. Carlsson. 1,789,818; Jan. 20.
Pipes and other hollow articles, Manufacture, centrifugally, of. A. Melville, K. Dundas, and R. A. Whitson. 1,819,188; Aug. 18.
Pipes and similar tubular articles, Method of and apparatus for operating upon. W. F. Clark. 1,800,779; Apr. 14.
Pipes and the like, Extrusion of metal. P. Dunsheath, 1,817,301; Aug. 4.
Pipes and the like, Manufacture of sheet metal. W. R. Hume. 1,834,244; Dec. 1.
Pipes, Apparatus for centrifugally manufacturing or lining. W. R. Hume. 1,837,324; Dec. 22.
Pipes, Apparatus for handling unburnt clay. W. H. Mayhew. 1,790,276; Jan. 27.
Pipes, Apparatus for joining. F. H. Smith and H. A. Stringfellow. 1,818,435; Aug. 11.
Pipes, Apparatus for making welded. J. W. Free. 1,793,218; Feb. 17.
Pipes, Attachment for smoking. H. A. Webb. 1,829,076; Oct. 27.
Pipes, bars, etc., Method and apparatus for treating. K. T. Potthoff. 1,789,596; Jan. 20.
Pipes by centrifugal action, Manufacture or lining of. C. C. Halkyard. 1,789,742; Jan. 20.
Pipes cast in flasks in one piece, Apparatus for ejecting. L. L. Mathieu. 1,810,183; June 16.
Pipes, Core making for cast. R. Ardelt. 1,789,643; Jan. 20.
Pipes, Covering for staved. D. Finley. 1,807,904; June 2.
Pipes, Device for cleaning outside of. F. McManis. 1,815,573; July 21.
Pipes, Device for cleaning smoking. W. R. Davis. 1,796,188; Mar. 10.
Pipes, Device for flushing drain. B. P. Connelly. 1,825,582; Sept. 29.
Pipes, Device for plugging. O. W. Roswell. 1,789,024; Jan. 13.
Pipes, Device for tapping. W. J. Tell. 1,812,907; July 7.
Pipes, joining bell and spigot. W. C. Ferguson. 1,814,678; July 14.
Pipes, Manufacturing concrete. A. Horten. 1,788,718; Jan. 13.
Pipes, Method and apparatus for lining. J. W. Schade. 1,822,240; Sept. 8.
Pipes of sinks, etc., Apparatus for cleaning waste. C. J. B. Borgeson. 1,821,789; Sept. 1.
Pipes or sheaths, Jointing of lead or like. A. E. Wilson. 1,811,701; June 23.
Pipes, Process and apparatus for the centrifugal casting of metal. L. L. Mathieu. 1,797,872; Mar. 24.
Pipes, tubes and similar articles, Method of and apparatus for straightening. W. F. Clark. 1,810,819; June 16.
Pistol, Automatic. L. Thiry. 1,805,383; May 12.
Pistol cap. C. B. Backes. 1,828,214; Oct. 20.
Pistol charm. S. Dosick. 1,805,080; May 12.
Piston. F. Clark. 1,798,399; Mar. 31.
Piston. M. B. Covert. 1,818,307; Aug. 11.
Piston. H. E. Deputy. 1,790,230; Jan. 27.
Piston. H. Dock. 1,788,566; Jan. 13.
Piston. G. W. Elsey. 1,806,338; May 19.
Piston. H. Falkenstein. 1,830,937; Nov. 10.
Piston. J. Flammang and P. L. Bowser. 1,795,595; Mar. 10.
Piston. G. Franquist. 1,826,171; Oct. 6.
Piston. E. J. Gulick. 1,815,733; July 21.
Piston. S. D. Hartog. 1,794,767; Mar. 3.
Piston. S. D. Hartog. 1,812,696; June 30.
Piston. R. J. Hatch. 1,810,423; June 16.
Piston. H. J. Hater. Re18,178; Sept. 8.
Piston. F. Jardine. 1,819,998; Aug. 18.
Piston. F. Jardine and J. Cooper. 1,835,874–5; Dec. 8.
Piston. C. C. Krause. 1,810,279; June 16.
Piston. G. Matta. 1,830,847; Nov. 10.
Piston. W. C. McCoy. 1,802,180; Apr. 21.
Piston. W. C. McCoy. 1,825,750; Oct. 6.
Piston. L. P. Mooers. 1,826,185; Oct. 6.
Piston. G. Muffly. 1,787,452; Jan. 6.
Piston. A. L. Nelson. 1,792,504; Feb. 17.
Piston. A. L. Nelson. 1,830,172; Nov. 3.
Piston. J. W. Overton. 1,798,389; Mar. 31.
Piston. H. A. Palmer. 1,798,105; Mar 24.
Piston. A. J. and K. T. Penick. 1,791,971; Feb. 10.
Piston. A. B. Raymond. 1,815,799; July 21.
Piston. E. S. and P. M. Reiland. 1,798,222; Mar. 31.
Piston. R. and H. Taylor. 1,795,353; Mar. 10.
Piston, Adjustable. D. F. Crandall. 1,820,446; Aug. 25.
Piston and connecting rod. A. J. Weatherhead. 1,829,552; Oct. 27.
Piston and making the same, Engine. W. Sieman, jr. 1,820,253; Aug. 25.
Piston and method of forming thereof. O. A. Ross. 1,788,359; Jan. 6.
Piston and piston ring. T. James, jr. 1,813,930; July 14.
Piston and piston ring. I. Saks. 1,801,056; Apr. 14.
Piston and piston ring. M. O. Teetor. 1,789,570; Jan. 20.
Piston and piston ring. R. R. Teetor. 1,825,893; Oct. 6.
Piston and ring assembly. J. Williams. 1,814,355; July 14.
Piston and rod connection. G. J. Rathbun. 1,789,840; Jan. 20.
Piston and rod connection. F. A. van Bezel. 1,811,737; June 23.
Piston and skirt expanding ring therefor. H. F. Phillips. 1,806,416; May 19.
Piston, Apparatus for sizing. H. M. Rockwell. 1,794,797; Mar. 3.
Piston, Automotive. A. A. Stephens. 1,805,957; May 19.
Piston, Composite. N. A. Best and J. E. Hoy. 1,794,827; Mar. 3.
Piston, Composite. W. S. Horton. 1,790,664; Feb. 3.
Piston, Composite. V. Hughes. 1,795,949; Mar. 10.
Piston connection. R. Esnault-Pelterie. 1,796,687; Mar. 17.
Piston construction. K. N. Matthews. 1,801,517; Apr. 21.
Piston construction. B. D. McIntyre. 1,837,914; Dec. 22.
Piston construction. A. A. Stephens. 1,805,960; May 19.
Piston device applicable to shock absorbers. A. McNab. 1,792,111; Feb. 10.
Piston, Engine. G. Drake. 1,819,702; Aug. 18.
Piston, Engine. R. N. Steele. 1,803,362; May 5.
Piston, Engine. R. N. Steele. 1,822,322; Sept. 8.
Piston, Expanding. C. D. Stromgren. 1,794,872; Mar. 3.
Piston for gasoline meters and the like. E. H. Thompson. 1,799,875; Apr. 7.
Piston for internal-combustion engine. H. Ford. 1,788,668; Jan. 13.
Piston for internal combustion engines. C. Borgo and E. Manuel. 1,827,556; Oct. 13.
Piston for internal combustion engines. J. Weiss. 1,831,583; Nov. 10.
Piston for internal combustion engines. W. Zechlau. 1,812,391; June 30.
Piston for motors with internal combustion. A. A. A. Darche. 1,802,632; Apr. 28.
Piston for rock drills. E. B. Lear. 1,835,066; Dec. 8.
Piston for single-acting engines. W. Tobler. 1,789,089; Jan. 13.
Piston gauge. J. R. Bishop. 1,803,311; May 5.
Piston, High pressure pump. C. Lamb. 1,828,056; Oct. 20.
Piston, Hollow. A. A. Stephens. 1,805,958; May 19.
Piston, in particular for control valves for air brakes, Diaphragm. E. Möller. 1,806,360; May 19.
Piston, Internal-combustion engine. H. M. Jennings. 1,800,077; Apr. 7.
Piston light. A. S. Lyhne. 1,835,233; Dec. 8.
Piston lubrication. C. Breer. 1,818,671; Aug. 11.
Piston lubricator. F. A. Gerling. 1,830,103; Nov. 3.
Piston machine, Rotary. J. W. Lees. 1,806,206; May 19.
Piston machines, Device for altering the clearance space in. E. Schweter. 1,825,163; Sept. 29.
Piston, Motor. A. A. Stephens. 1,805,959; May 19.
Piston of engines, Lubricating the. F. A. Kowarick. 1,827,661; Oct. 13.
Piston, Oil-conserving. C. E. Johnson. 1,796,792; Mar. 17.
Piston oil saving ring. G. W. Sundberg and L. J. Edmunds. 1,804,848; May 12.
Piston or plunger-rod washing apparatus. R. E. Leonard. 1,792,646; Feb. 17.
Piston or reciprocating compressor or the like, High-pressure. C. Schaer. 1,797,244; Mar. 24.
Piston-packers and liners, Device for washing. W. C. Bailey. 1,818,187; Aug. 11.
Piston packing. B. E. Tyler. 1,796,415; Mar. 17.
Piston packing ring. J. C. Lewis. 1,822,101; Sept. 8.
Piston pin retainer. L. Blackmore. 1,838,901; Dec. 29.
Piston-position indicator. T. A. Murphy. 1,789,593; Jan. 20.
Piston process and apparatus. G. T. Voorhees. 1,824,938; Sept. 29.
Piston, Pump. O. L. Hastings. 1,816,527; July 28.
Piston, Pump. E. Kibele. 1,820,228; Aug. 25.
Piston, Pump. F. F. McCaughey. 1,797,781; Mar. 24.
Piston, Pump. W. F. McMahon. 1,789,318; Jan. 20.
Piston, Pump. J. M. Murray. 1,798,123; May 24.
Piston, Pump. A. R. Steirly. 1,833,920; Dec. 1.
Piston, Pump. B. E. Tyler. 1,833,343; Nov. 24.
Piston ring. W. C. Andrews. 1,833,887; Dec. 1.
Piston ring. H. E. Blomgren. 1,806,143; May 19.
Piston ring. J. W. Blount. 1,815,138; July 21.
Piston ring. E. J. Budlong. 1,803,281; Apr. 28.
Piston ring. E. J. Budlong. 1,803,309; Apr. 28.
Piston ring. E. J. Bullard. 1,835,139; Dec. 8.
Piston ring. H. E. Deputy. 1,798,458; Mar. 31.
Piston ring. C. J. Gleason. 1,819,890; Aug. 18.
Piston ring. E. J. Goodyear. 1,838,669; Dec. 29.
Piston ring. G. M. M. Grant. 1,815,354; July 21.

Piston ring. N. T. Harrington. 1,820,353; Aug. 25.
Piston ring. E. R. Hellman. 1,836,027; Dec. 15.
Piston ring P. L. Joslyn. 1,805,404; May 12.
Piston ring. E. A. Koether. 1,830,841; Nov. 10.
Piston ring. C. A. Marien. 1,802,566; Apr. 28.
Piston ring. R. C. Monteagle. 1,808,057; June 2.
Piston ring. A. W. Morton. Re18,248; Nov. 10.
Piston ring. E. C. Norton. 1,831,574; Nov. 10.
Piston ring. G. Schneider. 1,828,001; Oct. 20.
Piston ring. A. Schwarzenzer. 1,794,486; Mar. 3.
Piston ring. D. M. Smith. 1,832,795; Nov. 17.
Piston ring. D. M. Smith. 1,832,842; Nov. 17.
Piston ring. L. J. Thomas. 1,828,209; Oct. 20.
Piston ring. J. Williams. 1,819,501–2; Aug. 18.
Piston ring. J. Williams. 1,821,251; Sept. 1.
Piston ring. J. M. Wilson. 1,798,509; Mar. 31.
Piston ring. W. Wuerfel. 1,813,791–2; July 7.
Piston ring clamp. E. A. Spencer. 1,811,248; June 23.
Piston ring compressor. L. B. Glantz. 1,805,543; May 19.
Piston ring construction. J. A. Ramsey. 1,802,573; Apr. 28.
Piston ring construction. J. A. Ramsey. 1,802,619; Apr. 28.
Piston ring device and fusible locking means therefor, Radially expansive. W. G. O'Bryan. 1,815,418; July 21.
Piston-ring expander. C. E. Johnson. 1,796,791; Mar. 17.
Piston ring expander. C. A. Marien. 1,834,067; Dec. 1.
Piston ring expander. J. H. Trindl. 1,801,700; Apr. 21.
Piston ring squeezer. E. C. Newton. 1,821,356; Sept. 1.
Piston ring structure. A. E. Wilson. 1,834,884; Dec. 1.
Piston rings, Apparatus for making. P. Flaton. 1,836,460; Dec. 15.
Piston rings, Making. J. and J. Williams. 1,788,697; Jan. 13.
Piston rod. C. Schaer. 1,802,158; Apr. 21.
Piston rod coupling. F. van Bezel. 1,811,736; June 23.
Piston rod remover, Locomotive fluid pressure. A. W. and J. N. Martin. 1,819,782; Aug. 18.
Piston, Self-aligning hollow-sphere bearing. W. J. P. Moore. 1,787,638; Jan. 6.
Piston spreader. R. N. Gibson. 1,819,366; Aug. 18.
Piston, Trunk. J. Flammang and P. L. Bowser. 1,803,387; May 5.
Piston, Two-cycle valved. H. B. Greening and J. W. Galloway. 1,799,511; Apr. 7.
Piston valve for wind instruments. R. B. Olds. 1,821,397; Sept. 1.
Piston, Valved. N. M. Small. 1,817,853; Aug. 4.
Pistons, Forming. L. W. Greve. 1,835,863; Dec. 8.
Pistons, Forming. W. C. McCoy. 1,830,519; Nov. 3.
Pistons, Making composite. H. E. Deputy. 1,807,689; June 2.
Pistons running in cylinders of harder material, Producing light metal. F. Fehrenbach. 1,792,580; Feb. 17.
Pit props or steel arches employed as colliery or mining roof supports, Foot attachment for. T. Mensforth. 1,821,020; Sept. 1.
Pit, Recuperative soaking. A. L. Culbertson. 1,824,876; Sept. 29.
Pitch composition and making the same. S. P. Miller. 1,826,428; Oct. 6.
Pitch, Flaking. S. P. Miller. 1,807,223; May 26.
Pitch into coke, Distillation of. C. V. McIntire. 1,817,926; Aug. 11.
Pitch pipe. W. Kratt. 1,796,795; Mar. 17.
Pitch propeller, Changeable. H. C. Eustis. 1,837,318; Dec. 22.
Pitch propeller, Variable. S. Borchardt. 1,831,284; Nov. 10.
Pitch propeller, Variable. M. L. Bramson. 1,806,385; May 19.
Pitch propeller, Variable. W. R. Turnbull. 1,828,303; Oct. 20.
Pitch propeller, Variable. W. R. Turnbull. 1,828,348; Oct. 20.
Pitch propeller and blade mounting, Aircraft variable. G. Evoritt. 1,830,101; Nov. 3.
Pitcher, Baseball. J. D. Jeter. 1,821,755; Sept. 1.
Pitcher or like article. F. J. Peters. Des. 85,393; Oct. 20.
Pitcher or similar article. E. E. Bartlett. Des. 85,077; Sept. 15.
Pitcher or similar article, Cream. F. W. Stark. Des. 83,582; Mar. 3.
Pitches and tars, Treatment of. O. D. Cunningham. 1,813,541; July 7.
Pitman arm, Steering. C. W. Iseler. 1,826,401; Oct. 6.
Pitman arm, Yieldable. H. M. Denyes. 1,795,926; Mar. 10.
Pitman boxing. H. Goodson. 1,822,807; Sept. 8.
Pitman connection. P. J. and W. F. Bowman. 1,821,174; Sept. 1.
Pitter, Prune. T. W. W. Forrest. 1,810,954; June 23.
Pitting apparatus, Fruit. A. K. Smith. 1,822,381; Sept. 8.
Pitting, corrosion, and scale formation, Preventing. L. O. Gunderson. 1,788,485; Jan. 13.
Pitting machine, Date. A. K. Smith. 1,822,382; Sept. 8.
Pitting machine, Date. A. K. Smith. 1,823,476; Sept. 15.
Pitting machine, Fruit. A. R. Thompson. 1,822,180; Sept. 8.
Pivot for ventilator windows. F. G. Garratt. 1,792,736; Feb. 17.
Pivot joint. C. I. Erickson. 1,818,886; Aug. 11.
Pivoted elements, Adjustment means for. H. M. Hessenbruch. 1,803,302; Apr. 28.
Placer mining machine. T. Dugan. 1,836,366; Dec. 15.
Plait-pressing device. H. Schlesinger. 1,798,438; Mar. 31.
Plaiting device. M. Hamilton and G. J. Sutton. 1,797,340; Mar. 24.
Plaiting machine. L. Angelus. 1,789,421; Jan. 20.
Plaiting machine. L. Angelus. 1,793,769; Feb. 24.
Plaiting machine. L. E. McDonough. 1,809,716; June 9.
Plane. E. N. Foy. 1,825,859; Oct. 6.
Plane. J. H. Weller and R. S. Newton. 1,823,383; Sept. 15.
Plane for parquet floors. O. O. Haugsbak. 1,787,576; Jan. 6.
Plane, Gull wing. J. H. Kindelberger. Des. 85,831; Dec. 22.
Plane handle. H. C. Rolfe. 1,794,248; Feb. 24.
Plane, Power driven. F. M. Quinsler. 1,812,755; June 30.
Plane, Rotary. A. U. Kerns. 1,817,197; Aug. 4.
Plane, Water. R. J. Robertson. 1,825,363; Sept. 29.
Plane, Woodworking bench. J. Manning. 1,804,507; May 12.
Planer. F. H. Howlett. 1,805,545–6; May 19.
Planer attachment for jointers. H. E. Tautz. 1,802,096; Apr. 21.
Planer, Road. I. M. Wells. 1,823,305; Sept. 15.
Planer, Roller road. A. Montano and E. R. Romero. 1,790,758; Feb. 3.
Planers, Traveling-bed feed for wood. L. E. Blood. 1,800,175; Apr. 7.
Planes, Apparatus for launching. N. P. Christianson. 1,803,320; May 5.
Planes, Clamping lever for. J. M. Burdick. 1,812,820; June 30.
Planetarium. J. B. Neevel. 1,811,825; June 23.
Planetary operating mechanism for lifting jacks. L. D. Nilson. 1,821,231; Sept. 1.
Planetary parking apparatus. M. M. Egan. 1,800,959; Apr. 7.
Plank or rail fence construction. T. H. Symington. 1,838,643; Dec. 29.
Plank, Spring. C. H. Apps. 1,832,849; Nov. 24.
Planographic printing plate having mercurialized ink refusing areas for photo mechanical printing. A. R. Trist. 1,811,734; June 23.
Planographic printing process. V. Dietz. Re18,013; Mar. 31.
Plant box, Cardboard. G. M. Seidel. 1,828,448; Oct. 20.
Plant, Combined coal and cinder handling. C. P. Ross. 1,824,930; Sept. 29.
Plant culture. A. H. Tarleton. 1,793,877; Feb. 24.
Plant, Fluid operated prime mover dynamo-electric. R. Kamada. 1,825,526; Sept. 29.
Plant for and method of manufacturing cast iron pipe and the like. J. R. McWane. 1,808,366; June 2.
Plant for heating motor vehicles. C. de la Barre de Nanteuil. 1,812,259; June 30.
Plant for manufacture of biscuits. E. M. Crosland. 1,836,361; Dec. 15.
Plant for the manufacture by centrifugation of pipes of any nature, and particularly of metal pipes. R. Devillers. 1,830,427; Nov. 3.
Plant for treating fiber, Continuous. B. S. Summers. 1,790,081; Jan. 27.
Plant for treating gas. B. Rzeczkowski. 1,820,161; Aug. 25.
Plant for treating organic refuse. L. Boggiano-Pico. 1,832,179; Nov. 17.
Plant growth in greenhouses, Method and apparatus for promoting. M. A. Eiben. 1,826,607; Oct. 6.
Plant lifter. F. H. Hetzer. 1,838,257; Dec. 29.
Plant, Locomotive boiler washing. L. G. Plant. 1,832,914; Nov. 24.
Plant marker. M. G. Slawson. 1,822,787; Sept. 8.
Plant materials in the preparation of fibers, Treatment of. D. R. Nanji. 1,796,718; Mar. 17.
Plant protector. W. T. Davis. 1,805,571; May 19.
Plant setter. E. L. Masters. 1,821,187; Sept. 1.
Plant setter. H. I. Richards and I. K. McWilliams. 1,802,273; Apr. 21.
Plant setting machine. G. J. Gibbens. 1,806,622; May 26.
Plant setting machine. A. Morris. 1,805,839; May 19.
Plant spraying apparatus. J. E. Rimedio. 1,829,298; Oct. 27.
Plant stand. W. Spitz. 1,820,843; Aug. 25.
Plant stimulant. G. Wesenberg and E. Bischkopff. 1,803,157; Apr. 28.
Plant tissues with sodium nitrate for explosive purposes, Impregnating. W. H. Dehn. 1,819,456; Aug. 18.
Plant-treating machine. J. L. Paullus. 1,791,746; Feb. 10.
Planter. R. W. Dickerson. 1,806,389; May 19.
Planter. C. H. White. 1,807,814; June 2.
Planter. C. H. White. 1,823,244; Sept. 15.
Planter attachment. F. E. Spencer. 1,816,131; July 28.
Planter attachment. J. M. and R. H. Taylor. 1,818,656; Aug. 11.
Planter attachment for cultivators. F. Chadister. 1,798,369; Mar. 31.
Planter, Checkrow. S. K. Dennis. 1,811,041; June 23.
Planter, Corn. L. N. Rahn. 1,798,107; Mar. 24.
Planter, Corn. E. Witte. 1,814,069; July 14.
Planter, Four row corn. W. C. Young. 1,807,115; May 26.

Planter, Grain. M. F. Schou. 1,809,072; June 9.
Planter, Pneumatic. A. A. Matheson. 1,810,671; June 16.
Planter, Potato. L. A. Aspinwall. 1,828,274; Oct. 20.
Planter, Seed. W. A. Fillingim. 1,823,392; Sept. 15.
Planter runner, Corn. C. Chambers, jr. 1,837,895; Dec. 22.
Planter, Turf. F. Grossi. 1,829,745; Nov. 3.
Planters, Anti-side-slip attachment for corn. C. O. Petersen. 1,812,663; June 30.
Planters, Attachment for corn. A. Biedenfeld. 1,796,743; Mar. 17.
Planters, Extension attachment for two row corn. M. S. Draper. 1,821,009; Sept. 1.
Planters, Foot control for seed. B. Fischer. 1,806,050; May 19.
Planters, Seed distributing attachment for. J. C. Crowley. 1,807,282; May 26.
Planters, Wire doffing mechanism for. C. H. White. 1,805,506; May 19.
Planting machines, Fertilizer attachment for. E. Le Boeuf, J. A. Smith and J. Moss. 1,787,538; Jan. 6.
Plants, Device for interconnecting the evaporation elements of evaporation. B. Boulogne. 1,825,937; Oct. 6.
Plants, Method and apparatus for treating fiber-bearing. H. Shamp. 1,821,673; Sept. 1.
Plants, Treatment and preservation of cut. A. B. Howell. 1,825,065; Sept. 29.
Plants, weeds, and the like, Removing. J. A. Colvin. 1,836,449; Dec. 15.
Plaque. J. W. Cutler. Des. 85,168; Sept. 22.
Plaque and the like, Ornamental. F. E. Osborne. 1,789,153; Jan. 13.
Plaque or similar article. E. T. Beck. Des. 85,078; Sept. 15.
Plaque or similar article. L. S. Brooks. Des. 83,305; Feb. 17.
Plaque or similar article. H. Hyman. Des. 85,614; Nov. 24.
Plaque, Raised metal. C. M. Becker. Des. 84,314; June 9.
Plaque, Trophy. N. L. Roulet. Des. 84,374; June 9.
Plaquette. O. J. Hlavaty. Des. 84,782; Aug. 4.
Plaster anchor. I. A. Baum. 1,808,337; June 2.
Plaster and making the same. F. D. Snell. 1,792,661; Feb. 17.
Plaster and stucco reenforcing base. W. H. Quade. 1,802,779; Apr. 28.
Plaster and the like, Combined backing and reenforcing means for. C. C. Overmire. 1,801,530; Apr. 21.
Plaster bandage with wound or healing pad. J. Lohmann. 1,817,696; Aug. 4.
Plaster base. J. A. White. 1,795,531; Mar. 10.
Plaster belt. P. S. McQuirk. 1,815,110; July 21.
Plaster board. C. Absmeier. Re18,286; Dec. 15.
Plaster board. T. D. Priddy. 1,823,914; Sept. 22.
Plaster board. J. J. Turner. 1,837,381; Dec. 22.
Plaster board. C. W. Utzman. 1,824,245; Sept. 22.
Plaster board. M. S. Wunderlich. 1,808,976; June 9.
Plaster board building construction. F. M. Venzie. 1,823,998; Sept. 22.
Plaster board clip. F. M. Venzie. 1,805,648; May 19.
Plaster board machinery, Folding device for. C. Absmeier. 1,824,420; Sept. 22.
Plaster-board manufacture. T. E. Knowlton. 1,798,609; Mar. 31.
Plaster-board manufacture. A. S. Speer. 1,790,252; Jan. 27.
Plaster, Budding and grafting. P. B. L'Hommedieu. 1,824,674; Sept. 22.
Plaster cutter. D. H. Beelman. 1,826,496; Oct. 6.
Plaster mixing machine. H. S. Johns. 1,816,588; July 28.
Plaster mixture. G. H. A. Ruby. 1,799,324; Apr. 7.
Plaster, Molding. J. H. Sherts. 1,819,444; Aug. 18.
Plaster-of-Paris composition. G. H. A. Ruby. 1,799,325; Apr. 7.
Plaster ring. G. L. Barnes. 1,795,701; Mar. 10.
Plaster terminal and molding, Combined. I. A. Baum. 1,835,587; Dec. 8.
Plaster, Wall. G. R. Walper. 1,803,445; May 5.
Plasterer's float. A. R. Morford. 1,825,080; Sept. 29.
Plastering machine. H. H. Elkins. 1,829,479; Oct. 27.
Plastering machine. R. D. Hood. 1,802,945; Apr. 28.
Plastic calking material, Apparatus for handling. H. A. Pedrick. 1,796,393; Mar. 17.
Plastic composition. M. E. Griffiths. 1,838,618; Dec. 29.
Plastic composition. A. M. Nastukoff. 1,827,538; Oct. 13.
Plastic compound. S. C. Jennings. 1,826,002; Oct. 6.
Plastic compound and making same. A. B. Chapin. 1,838,658; Dec. 29.
Plastic from natural resin, phenol, aldehyde, and alkali. I. S. Mellahoff. 1,804,379; May 5.
Plastic material and making the same. M. T. Harvey. 1,838,071; Dec. 22.
Plastic material, Apparatus for molding. F. J. MacDonald. 1,802,978; Apr. 28.
Plastic material, Coloring. W. H. Morris. 1,807,858; June 2.
Plastic material such as confectionery stock, Apparatus for feeding and cutting. A. G. Rose. 1,788,329; Jan. 6.
Plastic materials, Accelerating the hardening of. A. Brund and H. Bohlin. 1,808,762; June 9.
Plastic materials, Apparatus for continuously hardening. C. W. Vogt. 1,810,863; June 16.
Plastic materials, Forming apparatus for. F. W. Harney. 1,812,631; June 30.
Plastic mixtures, Apparatus for aging. W. H. Brooks and F. M. Taylor. 1,810,125; June 16.
Plastic modeling machine. J. H. Metcalf. 1,804,224; May 5.
Plastic products, paints and lacquers, Production of. F. C. Dyche-Teague. 1,819,136; Aug. 18.
Plastic rolling machine. G. K. Bainbridge. 1,824,759; Sept. 29.
Plastic substance, Fire and acid-proof. A. Wolfsholz. 1,828,211; Oct. 20.
Plastic substances, Cutting. R. D. Delamere. 1,820,301; Aug. 25.
Plasticizer for cellulose derivatives. H. A. Bruson. 1,835,203; Dec. 8.
Plastics and solutions thereof, Production of colored cellulose. C. Immerheiser and E. Knebel. 1,830,944; Nov. 10.
Plate. E. Hale. Des. 84,474; June 23.
Plate. O. Tauschek. Des. 83,584; Mar. 3.
Plate. E. C. Taylor. Des. 83,219; Feb. 3.
Plate. J. H. Wilson. Des. 85,220; Sept. 22.
Plate air heater. C. D. Mosher. Re17,973; Feb. 17.
Plate and making same, Identification. B. J. Povalski. 1,821,577; Sept. 1.
Plate and making same, Screen. S. B. Stine. 1,822,756; Sept. 8.
Plate and mouthpiece for suite telephones, Combined front. A. T. Morrison. Des. 85,000; Sept. 1.
Plate apparatus for heat exchanges. R. Seligman. 1,828,477; Oct. 20.
Plate assembly for steering gear housings, etc., Closing. R. E. Young and F. F. Chandler. 1,822,637; Sept. 8.
Plate attaching means, Name. M. H. Toncray. 1,820,925; Sept. 1.
Plate attachment, Pie. W. Houston. 1,834,402; Dec. 1.
Plate clamp. C. G. Pritchard and C. W. Harrold. 1,827,300; Oct. 13.
Plate closer. A. A. Norin. 1,811,643; June 23.
Plate, Compartment. E. Boardman. Des. 83,595; Mar. 10.
Plate conveyer and cleaner, Tin. S. E. Diescher. 1,805,980; May 19.
Plate, Corrugated metallic. V. E. Sisson. 1,821,118; Sept. 1.
Plate, Dental bite. C. J. Christopher. 1,791,796; Feb. 10.
Plate device for attaching seat covers, Pronged. A. D. Patchen. 1,827,606; Oct. 13.
Plate drier. F. T. Powers. 1,795,096; Mar. 3.
Plate feeding and punching means. C. O. Swenson. 1,787,458; Jan. 6.
Plate for air filters. W. L. Richards and C. J. Nelson. 1,834,534; Dec. 1.
Plate for electric accumulators, Lead. A. Pouchain. 1,822,746; Sept. 8.
Plate for flush telephones, Front. A. T. Morrison. Des. 84,999; Sept. 1.
Plate for moth ball cabinet, Face. H. Kliot. Des. 85,584; Nov. 17.
Plate for radio receivers, Escutcheon. C. G. Ely. Des. 84,076; May 5.
Plate for supporting gas meters. A. Lutz. 1,836,481; Dec. 15.
Plate for teeth. E. Foerster. 1,831,591; Nov. 10.
Plate for vise jaws, Removable face. W. N. Harding and A. H. Krugman. 1,828,042; Oct. 20.
Plate, Fuel and grate saving. J. L. Stieglitz. 1,823,576; Sept. 15.
Plate holder, License. H. M. Dietz and S. E. Kary. 1,821,053; Sept. 1.
Plate holding ring, Compact. W. G. Kendall. 1,807,480; May 26.
Plate lifter. F. A. Horan. 1,821,805; Sept. 1.
Plate, Molded fiber. M. P. Chaplin. Des. 85,634; Dec. 1.
Plate, Multiple nut holding. W. J. Jenkins and F. A. Bauroth. 1,835,710; Dec. 8.
Plate or article of analogous nature. F. Poppenhäuser. Des. 85,621; Nov. 24.
Plate or similar article. E. M. Bottome. Des. 83,788; Mar. 31.
Plate or similar article. E. M. Bottome. Des. 83,893; Apr. 14.
Plate or similar article. G. Fulton. Des. 84,520; June 30.
Plate or similar article. G. Hedler. Des. 84,287; June 2.
Plate or similar article. J. C. Kelly. Des. 85,880; Dec. 29.
Plate or similar article. H. A. Lay. Des. 85,656; Dec. 1.
Plate or similar article. R. E. Lukens. Des. 83,686; Mar. 17.
Plate or similar article. A. E. Mayer. Des. 83,688–9; Mar. 17.
Plate or similar article. W. S. Mayer. Des. 85,111; Sept. 15.
Plate or similar article. T. C. Merriman. Des. 85,837; Dec. 22.
Plate or similar article. H. A. Pickard. Des. 83,059; Jan. 13.
Plate or similar article. R. C. Richardson, jr. Des. 84,651; July 14.
Plate or similar article. A. C. Scavullo. Des. 85,398–400; Oct. 20.
Plate or similar article. C. O. Smith. Des. 85,123; Sept. 15.

Plate or similar article. J. P. Thorley. Des. 83,294; Feb. 10.
Plate or similar article. U. Tomita. Des. 83,365–78; Feb. 17.
Plate or similar article. U. Tomita. Des. 83,479; Feb. 24.
Plate or similar article. H. J. Wain. Des. 83,709; Mar. 17.
Plate or similar article. H. J. Wain. Des. 84,861; Aug. 11.
Plate or similar article. G. Wesp. Des. 84,865; Aug. 11.
Plate or similar article. G. Wesp. Des. 85,020–3; Sept. 1.
Plate or similar article. J. Wuyts. Des. 83,886; Apr. 7.
Plate or similar article of pottery. S. E. Thompson. Des. 84,384; June 9.
Plate piling machine. E. T. Peterson. 1,811,593; June 23.
Plate printing machine. W. E. Bennison. 1,811,379; June 23.
Plate shifter, Fold. L. R. Tufts. 1,803,370; May 5.
Plate, Spatter. J. F. Pritchard. 1,836,505; Dec. 15.
Plate turnover mechanism. E. T. Peterson. 1,828,909; Oct. 27.
Plates, Device for ascertaining the opacity of blackened portions of photographic. R. Mechau. 1,821,391; Sept. 1.
Plates for filing plans or drawings, System of. J. Collantes. 1,835,381; Dec. 8.
Plates, Making identification. B. J. Povalski. 1,821,578; Sept. 1.
Plates, Method and apparatus for preparing lithographic printing. W. Grass. 1,821,466; Sept. 1.
Platen for addressing machines, Adjustable. P. A. Gollnick, F. W. Broderick, and L. J. Slupkowski. 1,796,327; Mar. 17.
Platen for typewriters and analogous machines. G. M. Scherer. 1,820,164; Aug. 25.
Platen printing press. G. Spiess. 1,818,821; Aug. 11.
Platform. A. M. Barrett. 1,794,665; Mar. 3.
Platform. F. Bennett. 1,832,759; Nov. 17.
Platform. H. T. Hallowell and F. Bennett. 1,832,772–4; Nov. 17.
Platform. G. G. Raymond. 1,790,019; Jan. 27.
Platform. W. Stuebing, jr. 1,796,128; Mar. 10.
Platform and making the same, Portable. R. T. Romine. 1,806,085; May 19.
Platform construction. C. Erwin. 1,832,537; Nov. 17.
Platform for aeroplanes, Take-off and landing. M. J. O'Neill. 1,803,507; May 5.
Platform for coal trucks. Bagging. C. F. Higgins. 1,792,586; Feb. 17.
Platform for stocking drying machines, Movable. H. F. Wanamaker. 1,833,803; Nov. 24.
Platform for vehicles, Spring supported. S. M. Chase. 1,812,861; July 7.
Platform, Gravity discharging. C. White. 1,818,289; Aug. 11.
Platform, Lift truck. E. J. Powell. 1,812,218; June 30.
Platform, Lineman's. B. C. Booth. 1,826,120; Oct. 6.
Platform, Loading. J. G. Tawse. 1,789,027; Jan. 13.
Platform, Oil electric locomotive. W. M. Sheehan. 1,801,938; Apr. 21.
Platform or buck, Portable. R. T. Romine. 1,800,155; Apr. 7.
Platform, Portable. E. J. Hoyos. 1,794,113; Feb. 24.
Platform, Portable. R. T. Romine. 1,794,121; Feb. 24.
Platform, Portable loading. R. T. Romine. 1,806,086; May 19.
Platform, Safety ladder. J. E. Weiser. 1,836,516; Dec. 15.
Platform, Safety window. L. Federico and V. Nicholas. 1,830,830; Nov. 10.
Platform, Truck. J. Millray. 1,797,874; Mar. 24.
Plating. W. J. Wrighton and E. D. Tillyer. 1,797,254; Mar. 24.
Plating, Apparatus for. D. T. Ewing. 1,808,809; June 9.
Plating machine automatic work shift. C. G. Miller. 1,809,136; June 9.
Plating machines, Automatic work shift for. C. G. Miller. 1,809,139; June 9.
Plating, Mechanism and process for effecting reverse. J. and R. H. Lawson. 1,796,266; Mar. 10.
Plating, Mechanism for effecting reverse. J. Lawson and R. H. Lawson. 1,806,399; May 19.
Platinum from the other precious metals, Separating. G. A. L. R. Collard. 1,808,594; June 2.
Platon for photographing printing machines. R. S. Hopkins. 1,809,238; June 9.
Platter or similar article. G. Wesp. Des. 84,863; Aug. 11.
Play pen. D. Anthony and B. M. Stoddard. 1,822,876; Sept. 15.
Playing card block, Adjustable. O. T. Gylleck. 1,817,078; Aug. 4.
Playing die. W. S. King and M. C. Otto. 1,795,562; Mar. 10.
Playing table. R. S. Goddard. Des. 83,102; Jan. 20.
Playground apparatus. C. E. Hoppes. 1,826,468; Oct. 6.
Playsuit. H. Iskin. 1,788,195; Jan. 6.
Pleat-holding device. H. Schlesinger. 1,799,443; Apr. 7.
Plier and wrench, Combination. H. C. Jacobs. 1,823,494; Sept. 15.
Plier cover remover. W. I. Kaser. 1,810,315; June 16.
Plier handle of sheet metal. C. F. Benedict. 1,801,243; Apr. 14.
Plier punches. Locating device for. H. F. Scribner. 1,804,648; May 12.
Plier wrench. O. C. Davis. 1,796,888; Mar. 17.
Pliers. R. H. Endsley. 1,814,589; July 14.
Pliers. J. A. Erne. 1,813,038; July 7.
Pliers. O. P. Froeschl. 1,800,447; Apr. 14.
Pliers. W. E. Harrison. 1,792,837; Feb. 17.
Pliers. W. E. Ries and J. Rey. 1,800,317; Apr. 14.
Pliers and the like. E. H. Wigand. 1,820,169; Aug. 25.
Pliers and wrench, Combined. E. Klamt. 1,817,988; Aug. 11.
Pliers, Battery. H. Schultz. 1,792,400; Feb. 10.
Pliers for cutting and scraping insulations from wires. T. Chucto. 1,805,276; May 12.
Pliers, Honeycomb-frame-handling. A. V. Kouba. 1,788,577; Jan. 13.
Pliers, Punching or cutting. F. D. Lingwood. 1,812,350; June 30.
Pliers, Soldering. F. M. Johnson. 1,795,256; Mar. 3.
Pliers, Soldering. R. Nelson. 1,807,004; May 26.
Plow. J. E. Boda. 1,823,641; Sept. 15.
Plow. T. Brown. 1,831,997; Nov. 17.
Plow. E. E. Englund. 1,827,001; Oct. 13.
Plow. J. T. Lawrence. 1,811,089; June 23.
Plow. H. J. Neufang. 1,793,002; Feb. 17.
Plow. H. J. Neufang. 1,793,242; Feb. 17.
Plow. H. J. Neufang. 1,838,279; Dec. 29.
Plow. J. N. Newsom. 1,836,984; Dec. 15.
Plow. W. L. Paul. 1,804,112; May 5.
Plow. A. J. Pratt. 1,835,427; Dec. 8.
Plow. N. C. Smith and W. W. Wallace. 1,819,925; Aug. 18.
Plow. G. E. Stephenson. 1,789,786; Jan. 20.
Plow. C. G. Strandlund. 1,813,506; July 7.
Plow. S. Woycheshin. 1,804,910; May 12.
Plow and planter, Lister. A. D. Gallagher. 1,832,976; Nov. 24.
Plow applicator. H. P. Eastman. 1,792,577; Feb. 17.
Plow attachment. D. F. Ainslie. 1,815,539; July 21.
Plow attachment. H. C. Grawunder. 1,791,201; Feb. 3.
Plow attachment. R. C. Jeffress. 1,813,854; July 7.
Plow attachment for tractors. J. T. Wood. 1,834,667; Dec. 1.
Plow bracket. J. C. Bohmker. 1,830,013; Nov. 3.
Plow, Combined sweep and shovel. H. B. Cribb. 1,799,732; Apr. 7.
Plow, Corner. C. E. and G. O. Stroburg. 1,787,800; Jan. 6.
Plow, Disk. A. M. Campbell. 1,805,974; May 19.
Plow, Disk. S. B. Hendricks. 1,819,292; Aug. 18.
Plow, Disk gang. C. G. Strandlund and J. V. Holstein. 1,790,682; Feb. 3.
Plow, Disk gang. C. G. Strandlund and J. V. Holstein. 1,834,227; Dec. 1.
Plow for scraper buckets. R. H. Beaumont. 1,799,139; Mar. 31.
Plow, Gang. H. O. Lown. 1,814,003; July 14.
Plow, Hand. D. E. Arndt. 1,788,971; Jan. 13.
Plow handle. D. E. Atkinson. 1,829,467; Oct. 27.
Plow, Hillside. M. Topick. 1,833,763; Nov. 24.
Plow hitch. C. Miller. 1,815,794; July 21.
Plow hitch. O. Sporri. 1,836,625; Dec. 15.
Plow lay attaching device. A. Weigel. 1,832,162; Nov. 17.
Plow, Mole. M. F. Visser. 1,790,032; Jan. 27.
Plow-out preventer. C. A. Rasmussen. 1,796,303; Mar. 17.
Plow, Power lift orchard. T. R. Brice. 1,830,422; Nov. 3.
Plow, Releasable. O. A. K. Printz. 1,808,477–8; June 2.
Plow, Reversible. A. Maurer. 1,809,246; June 9.
Plow, Rotary. B. V. Hedrick. 1,799,098; Mar. 31.
Plow, Rotary. J. J. Kella. 1,801,923; Apr. 21.
Plow, Rotary. J. Schaeffers. 1,830,565; Nov. 3.
Plow, Rotary. C. B. Singleton. 1,787,842; Jan. 6.
Plow, Rotary disk. M. T. Skinner. 1,795,620; Mar. 10.
Plow, Rotary spiral. C. M. Brack. Re18,039; Apr. 14.
Plow, Rotary spiral. C. M. Brack. 1,836,304; Dec. 15.
Plowshare. G. Rust. 1,827,170; Oct. 13.
Plowshare, Auxiliary. H. Chibnik. 1,799,003; Mar. 31.
Plow share, Shelf sharpening. G. B. Sherman and R. H. Potts. 1,832,429; Nov. 17.
Plow shares, Repair nose for. W. I. Wheeler. 1,807,459; May 26.
Plowsweep. J. L. McGee. 1,799,564; Apr. 7.
Plow, Tractor. A. C. Lindgren. 1,817,085; Aug. 4.
Plow, Tractor drawn disk. F. G. Harris. 1,809,694; June 9.
Plow, Two way tractor. A. D. Gallagher. 1,832,010; Nov. 17.
Plow, Variable-width. J. P. Seaholm. 1,829,545; Oct. 27.
Plowing, Method and apparatus for. J. Gomez y Virto. 1,788,604; Jan. 13.
Plows, Subsoil attachment for. J. Nichols. 1,800,899; Apr. 14.
Plows to tractors, Connecting. J. Gaiser. 1,815,470; July 21.
Plug. M. J. De Mask. 1,817,879; Aug. 4.
Plug. W. Kaisling. 1,813,167; July 7.
Plug. N. C. Schellenger. 1,819,040; Aug. 18.
Plug, Adjustable cleanout. A. F. Cherne. 1,832,183; Nov. 17.
Plug, Anchoring. E. J. Whiffen. 1,817,790; Aug. 4.
Plug and applying means therefor, Sealing. G. Edgar. 1,794,369; Mar. 3.
Plug and fitting, Electric attachment. H. Hertzberg. 1,831,809; Nov. 17.
Plug and guide for well casings, Float. R. F. Hill. 1,811,885; June 30.

Plug and receptacle, Attachment. C. E. Mason. 1,813,582; July 7.
Plug and receptacle, Safety. H. T. Chaney and J. M. Thompson. 1,791,264; Feb. 3.
Plug and socket device, Combination. B. F. Muldoon. 1,832,044; Nov. 17.
Plug and whipstock, Hydraulic. H. Dumm and J. R. Russell. 1,821,426; Sept. 1.
Plug, Attachment. A. L. Becket. 1,815,043; July 21.
Plug, Attachment. F. B. Ennis. 1,830,597; Nov. 3.
Plug, Attachment. A. V. Moblard. 1,807,427; May 26.
Plug, Attachment. J. C. Sampson. 1,767,620; Mar. 24.
Plug, Baked-core tap-hole. H. C. Brown. 1,797,566; Mar. 24.
Plug bar for tube making machines. W. Bark and J. V. Mazurie. 1,815,427; July 21.
Plug cap for separable attachment plugs. J. S. Coldwell. 1,824,657; Sept. 22.
Plug cap for separable attachment plugs. W. C. Tregoning. 1,803,983; May 5.
Plug, Cleaning. W. M. Cross. 1,797,823; Mar. 24.
Plug, Clean-out. F. J. Mersfelder and P. Balze. Re18,100; June 16.
Plug, Combined screw and push electric. J. A. Geffert. 1,809,478; June 9.
Plug connecter. R. W. Scott. 1,830,247; Nov. 3.
Plug connection, Electric. E. M. Pattison. 1,804,803; May 12.
Plug connection, Electrical. C. C. Jones. 1,812,153; June 30.
Plug, Core bit. F. L. Scott. 1,803,731; May 5.
Plug, Core drill. F. L. Scott. 1,819,484; Aug. 18.
Plug, Drain. O. A. Larsen. 1,809,171; June 9.
Plug, Electric. S. M. Kenerson. 1,819,100; Aug. 18.
Plug, Electric. R. Mayrshofer. 1,800,259; Apr. 14.
Plug, Electric. M. A. Rollman. 1,810,439; June 16.
Plug, Electric. L. Savally. 1,789,693; Jan. 20.
Plug, Electric. L. D. Walker. 1,829,692; Oct. 27.
Plug, Electric appliance. G. J. Meuer. Des. 84,200; May 19.
Plug, Electric attachment. B. P. McKinley. 1,804,020; May 5.
Plug, Electric connecter. H. H. Wermine. 1,820,333; Aug. 25.
Plug, Electric current. C. L. Baudry De Saunier. 1,832,757; Nov. 17.
Plug, Electric wall. P. J. Chéron. Des. 84,809; Aug. 11.
Plug, Electrical attachment. P. Mattia. 1,819,910; Aug. 18.
Plug, Electrical attachment. J. Ude. 1,831,981; Nov. 17.
Plug, Electrical connecting. J. G. Peterson. 1,837,170; Dec. 15.
Plug, Electrical switch. E. B. Ekstrand. 1,837,900; Dec. 22.
Plug extractor. L. F. Johnston. 1,818,626; Aug. 11.
Plug for cementing wells. S. O. Barton. 1,822,193; Sept. 8.
Plug for electric circuits. L. Martin. 1,804,474; May 12.
Plug for electric heating devices, Attachment. M. W. McArdle and G. A. Browning. 1,834,793; Dec. 1.
Plug for lug straps and making same. J. H. Chadbourne. 1,824,707; Sept. 22.
Plug for oil wells and apparatus for seating the same. A. J. Gallaher. 1,822,140; Sept. 8.
Plug for pin tumbler lock, Removable. M. Falk. 1,832,108; Nov. 17.
Plug for sinks. H. A. Trotman. 1,796,171; Mar. 10.
Plug for use in the process of cementing oil wells. Z. A. Dyer. 1,803,057; Apr. 28.
Plug for wells and the like, Self adjusting and expanding. R. J. Schuyler. 1,828,381; Oct. 20.
Plug, Fuse. J. C. Sheller. 1,798,174; Mar. 31.
Plug, Fuse. J. C. Sheller. 1,835,905; Dec. 8.
Plug, Indicating electrical fuse. B. E. Rutledge. 1,791,287; Feb. 3.
Plug-inserting implement. A. J. Warsaw. 1,794,997; Mar. 3.
Plug, Jordan engine. H. N. Weir. 1,814,879; July 14.
Plug, Jordan engine. H. N. Weir. 1,819,050; Aug. 18.
Plug member, Electric. A. R. Kanné. Des. 85,100; Sept. 15.
Plug, Metallic wall. J. J. Rawlings. 1,802,270; Apr. 21.
Plug, Mushroom vent. J. C. Groble. 1,818,249; Aug. 11.
Plug, Oil casing. U. G. Skelly. 1,811,407; June 23.
Plug, Orifice. C. L. Smith and A. E. Harnsberger. 1,833,340; Nov. 24.
Plug, Pipe. D. R. Hinkston. 1,808,411; June 2.
Plug, Pipe line. G. H. Cox. 1,831,905; Nov. 17.
Plug receptacle and manufacturing the same, Flush. E. R. Kulka. 1,796,290; Mar. 17.
Plug receptacle, Multiple base. M. J. De Mask. 1,805,572; May 19.
Plug releasing means, Cock. F. A. Whitaker. 1,802,962; Apr. 28.
Plug, Repair. R. F. Frye. 1,797,766; Mar. 24.
Plug seat. G. R. Willet. 1,829,077; Oct. 27.
Plug, Separable. M. Wetstein. 1,835,251; Dec. 8.
Plug, Sparking H. Fischer. 1,834,608; Dec. 1.
Plug switch. J. H. Kliegel. 1,794,777; Mar. 3.
Plug, Switch and ground. F. P. Gates. 1,790,747; Feb. 3.
Plug, Swivel attachment. A. Wright. 1,822,985; Sept. 15.
Plug tap, Lamp socket. E. Clemence. 1,803,096; Apr. 28.
Plug tester, Spark. C. W. Price. 1,836,391; Dec. 15.
Plug, Telephone. E. C. Mueller. 1,808,902; June 9.
Plug, Tire repair. A. A. Hawkinson. 1,831,000; Nov. 10.
Plug, Tube piercing and expanding. W. Bark. 1,815,426; July 21.
Plug, Washout. V. Perry. 1,798,491; Mar. 31.
Plug, Well. F. Davidson and R. Guinn. 1,838,662; Dec. 29.
Plug, Well cementing. N. W. Wickersham. 1,816,243; July 28.
Plug with a ruff neck bushing, Spark. H. Rabezzana. 1,826,404; Oct. 6.
Plug with sleeve constrictive bushing, Spark. H. Rabezzana. 1,825,362; Sept. 29.
Plugging device. H. E. Wolf. 1,833,700; Nov. 24.
Plugging of cables and the like, Gastight. H. Bartenbach. 1,826,716; Oct. 13.
Plugs, Assembling spark. H. Rabezzana. 1,835,574; Dec. 8.
Plugs for oil wells, Bridging. C. H. Sweet and E. F. Cooper. 1,809,080; June 9.
Plugs, Making. S. G. Malby. 1,791,035; Feb. 3.
Plugs, Manufacturing electrical connecting. G. P. McGraw. 1,837,723; Dec. 22.
Plumb rod, Engineer's. W. M. Tenney. 1,827,049; Oct. 13.
Plumbing fitting. O. F. Russell. 1,788,596; Jan. 13.
Plumbing fitting. E. G. Watrous. 1,806,962; May 26.
Plumbing fixture. J. Fraser. Des. 83,674; Mar. 17.
Plumbing fixture. H. Roth. 1,793,252; Feb. 17.
Plumbing fixture. W. E. Sloan. 1,838,198; Dec. 29.
Plumbing fixture installation. V. D. Hennessey. 1,835,301; Dec. 8.
Plumbing system. W. C. Groeniger. 1,830,106; Nov. 3.
Plumbing system. E. Kennedy. 1,815,205; July 21.
Plummet. E. H. Morris. 1,814,484; July 14.
Plummet. E. H. Morris. 1,816,786; July 28.
Plunger assembly for fluid pressure operated pumps. N. H. Ricker. 1,836,872; Dec. 15.
Plunger, Control valve. E. P. Ericson and W. J. Moyle. 1,822,617; Sept. 8.
Plunger, Floating. R. C. McAllister. 1,835,662; Dec. 8.
Plunger fitting for deep well pumps. G. B. Morris. 1,838,149; Dec. 29.
Plunger for box making machines. F. M. Joslin. 1,835,401; Dec. 8.
Plunger for farm pumps. G. Fowell. 1,799,415; Apr. 7.
Plunger, Pump. F. E. Sprague. 1,825,483; Sept. 29.
Plush fabric. J. W. Cooper. 1,821,498; Sept. 1.
Plush, Manufacture of knitted warp. T. Vorck and P. Zimmermann. 1,801,825; Apr. 21.
Plywood, Embossed. G. R. Meyercord and C. B. Norris. 1,794,194; Feb. 24.
Pneumatic car puller. A. E. Rothgarn. 1,810,680; June 16.
Pneumatic clamp. H. H. Payzant. 1,827,258; Oct. 13.
Pneumatic cleaner. H. Hertz. 1,823,542; Sept. 15.
Pneumatic controller recorder. A. J. Nelson. 1,799,830; Apr. 7.
Pneumatic discharge pan. H. J. Shelton. 1,798,814; Mar. 31.
Pneumatic dispatch carrier. D. J. MacMillan. 1,810,974; June 23.
Pneumatic dispatch system. C. H. Burton. 1,791,189; Feb. 3.
Pneumatic dispatch system. J. T. Cowley. 1,803,893; May 5.
Pneumatic dispatch system. M. L. Emerson. 1,810,269; June 16.
Pneumatic dispatch system. C. S. Jennings. 1,833,873; Nov. 24.
Pneumatic dispatch systems, Carrier inserting and discharge device for. J. J. Stoetzel. 1,819,307; Aug. 18
Pneumatic drop. J. T. Cowley. 1,835,850; Dec. 8.
Pneumatic feed mechanism. S. Halvorsen. 1,804,611–12; May 12.
Pneumatic separator. W. M. Barker. 1,792,962; Feb. 17.
Pneumatic spring. C. Rigotti. 1,818,357; Aug. 11.
Pneumatic switch. W. J. Williams. 1,790,564; Jan. 27.
Pneumatic tire tube. J. W. Waber. 1,808,091; June 2.
Pneumatic tube system. H. W. Morehouse. 1,814,222; July 14.
Pneumatic tube systems, Pressure relief means for. A. A. Zimmer. 1,807,096; May 26.
Pneumothorax, Apparatus for artificial. J. R. Herradora. 1,794,404; Mar. 3.
P-nitro-toluene, Purification of. H. J. Weiland and I. Gubelmann. 1,836,212; Dec. 15.
Pocket. B. Stember. 1,787,706; Jan. 6.
Pocket, Waterproof. G. S. Neves and A. dos S. Vigas. 1,837,918; Dec. 22.
Pocket and forming the same. F. Burch. 1,815,028; July 14.
Pocket attachment for stiff book cover. C. B. May. 1,787,791; Jan. 6.
Pocket, Bathing-suit. S. Paull. 1,792,117; Feb. 10.
Pocketbook. E. Behrman. 1,835,749; Dec. 8.
Pocketbook. J. M. Brady. 1,790,497; Jan. 27.
Pocketbook. B. Epstein. 1,821,379; Sept. 1.
Pocketbook. H. Sernaker. 1,803,441; May 5.
Pocketbook and holder therefor. J. F. Oyler. 1,792,862; Feb. 17.
Pocketbook, Trick. F. Brady. 1,807,826; June 2.
Pocket, Burglarproof. E. Teichmueller. 1,790,958; Feb. 3.
Pocket case. C. W. Morden. 1,793,951; Feb. 24.
Pocket case. H. Vasticar. 1,820,926; Sept. 1.

Pocket comb. A. A. S. Barker. 1,820,768; Aug. 25.
Pocket construction for trousers. M. Falkowitz. Re18,171; Aug. 25.
Pocket for coats, Pencil. J. W. Walters. 1,795,912; Mar. 10.
Pocket for garments, Pencil. M. E. Gordon. 1,801,233; Apr. 14.
Pocket, Garment. C. R. Wood. 1,802,490; Apr. 28.
Pocket gate, Nonspilling. C. Trezona and E. A. Malmgren. 1,795,979; Mar. 10.
Pocket implement. O. Altenbach. 1,805,065; May 12.
Pocket in garments. C. Jenkins. 1,832,214; Nov. 17.
Pocketknife. J. E. Fuller. 1,803,899; May 5.
Pocketknife. G. M. Schrade. 1,810,031; June 16.
Pocketknife. H. Vossler. 1,802,990; Apr. 28.
Pocket lighter. C. H. Lawrence. Des. 84,354; June 9.
Pocket-protector. L. V. Johnson. 1,821,809; Sept. 1.
Pocket protector. L. V. Johnson. 1,821,837; Sept. 1.
Pocket rest. A. Caro. 1,795,997; Mar. 10.
Pocket sluice. H. Farnell. 1,811,117; June 23.
Pocket smoker's accessory, Combination. L. F. Maisto. 1,819,427; Aug. 18.
Point setter, Glazier's. J. E. Domagall. 1,788,863; Jan. 13.
Pointer for electric measuring instruments. P. MacGahan. 1,801,778; Apr. 21.
Pointer, underliner, and weight. H. R. Thoresen. 1,822,757; Sept. 8.
Poise. C. Dollack. 1,817,131; Aug. 4.
Poison dispenser for cultivator plows. B. Watson and W. S. Jackson. 1,818,369; Aug. 11.
Poison or powder distributor. W. G. Hagens. 1,808,654; June 2.
Poke, Animal. J. E. Lowe. 1,831,183; Nov. 10.
Polarized switch. R. Keller. 1,837,188; Dec. 22.
Pole. A. W. Malone. Re18,196; Sept. 15.
Pole and bracket therefor, Curtain. C. W. Kirsch. 1,812,881; July 7.
Pole and curtain suspending means, Combination curtain. J. C. Carlton. Des. 84,180–2; May 19.
Pole and rod supporting means. G. Madvig. 1,795,657; Mar. 10.
Pole attachment for electric conductors. R. G. Williams. 1,809,094; June 9.
Pole, Barber. R. P. Munger. 1,789,768; Jan. 20.
Pole, Barber's. A. R. Schwarzkopf and R. R. Wagner. 1,795,800; Mar. 10.
Pole bracket. R. H. Manson. 1,798,613; Mar. 31.
Pole, Concrete. J. F. Ne Page. 1,798,982; Mar. 31.
Pole construction, Tow-. C. M. Akins. 1,790,216; Jan. 27
Pole, Cornice curtain. C. W. Kirsch. Des. 83,406; Feb. 17.
Pole, Draft. C. Pearson. 1,838,442; Dec. 29.
Pole for drying machines. B. A. Parkes. 1,801,452; Apr. 21.
Pole guard, Pike. E. O. Hamren. 1,808,891–2; June 9.
Pole guy fixture. A. B. Chance. 1,804,202; May 5.
Pole guy fixture. A. B. Chance. 1,813,482; July 7.
Pole, Hoisting clothesline. H. J. Ruchie. 1,822,907; Sept. 15.
Pole ladder. C. B. Wagner. 1,831,332: Nov. 10.
Pole reenforcement. G. B. Spring. 1,789,393; Jan. 20.
Pole reinforcement. E. M. Beecher. 1,817,341–2; Aug. 4.
Pole-snubbing device. F. H. Schwerin. 1,798,955; Mar. 31.
Pole, Trolley. W. Schaake. 1,815,591; July 21.
Pole, Tubular. E. W. Riemenschneider. 1,834,535; Dec. 1.
Pole, Ventilated bamboo. N. H. Casler. 1,799,501; Apr. 7.
Pole, Window. S. C. Lawlor. 1,806,261; May 19.
Pole, Window. S. C. Lawlor. 1,815,923; July 28.
Poles, Attachment for wagon. J. N. Shipton. 1,788,339; Jan. 6.
Poles, Reenforcement for. G. B. Spring. 1,811,899; June 30.
Poles, Tapered tubular. E. W. Riemenschneider. 1,821,850; Sept. 1.
Polish. J. D. Lindsay. 1,808,360; June 2.
Polish applier, Shoe. D. Plonus. 1,818,930; Aug. 11.
Polish, Furniture. C. C. Costigan. 1,819,736; Aug. 18.
Polish rod hanger. L. R. B. Chevalier. 1,818,303; Aug. 11.
Polisher, Cartridge-holding floor. E. R. Gedge. 1,809,968; June 16.
Polisher, Finishing roll. D. H. Williams and O. L. Beck. 1,823,436; Sept. 15.
Polisher, Floor. A. O. Engberg and T. E. D. Bilde. 1,799,962; Apr. 7.
Polisher, Self-propelling floor. J. H. Harrison. 1,791,812; Feb. 10.
Polisher, Shoe. A. C. Kootz. 1,823,690; Sept. 15.
Polishing and grinding machine. C. L. Hawes. 1,825,455; Sept. 29.
Polishing and grinding machine. E. M. Morris. 1,800,743; Apr. 14.
Polishing block, Plate-glass-. J. T. Rotheram. 1,798,633; Mar. 31.
Polishing device. W. B. Turner. 1,819,800; Aug. 18.
Polishing device, Floor. C. B. Lawrence. 1,809,302; June 9.
Polishing machine. L. Crane. 1,789,218; Jan. 13.
Polishing machine. F. Plancq. 1,839,118; Dec. 29.
Polishing machine. R. Tvestmann. 1,798,639; Mar. 31.
Polishing machine, Automatic. C. I. Packer. 1,833,329; Nov. 24.
Polishing machine for spoons. D. G. Griswold. 1,817,554; Aug. 4.
Polishing machine, Rotary. L. Toffolo and L. Toffolo, jr. 1,832,267; Nov. 17.
Polishing roll for shoes. K. Wollny. 1,825,566; Sept. 29.
Polishing wheel. R. Z. Hopkins and E. F. Seger. 1,819,171; Aug. 18.
Polishing wheel, Leather. C. L. Rettman. 1,829,492; Oct. 27.
Pollen from air, Apparatus for removing. G. A. Gieseler. 1,807,032; May 26.
Polo ball. G. Meurisse. 1,803,121; Apr. 28.
Polycyclic compound containing the -CO- group and making same. O. Nicodemus and W. Berndt. 1,803,205; Apr. 28.
Polymerization products from diolefine, Production of. G. Ebert and F. A. Fries. 1,832,450; Nov. 17.
Polymerization products of diolefines, Production of. C. Heuck and H. Enderlein. 1,809,445; June 9.
Pompon. L. Geraldine. 1,831,169; Nov. 10.
Poncho, Collar-closured. S. Steinberg. 1,839,003; Dec. 29.
Pontoon. S. G. Plummer. 1,821,320; Sept. 1.
Pontoon diver. L. Salter. 1,815,680; July 21.
Pontoon for aeroplanes and the like, Collapsible. I. M. Evensen. 1,787,976; Jan. 6.
Pontoon for seaplanes and like bodies. J. Hone. 1,812,265; June 30.
Pontoon structure, Surfboard. N. F. Carmichael. 1,830,015; Nov. 3.
Pontoons and seaplane floats, devisible into boats, Collapsible structure such as. N. Straussler. Re18,204; Sept. 22.
Pony, Mechanical. L. F. Raphael. 1,795,678; Mar. 10.
Pool-ball rack. R. M. Read. 1,796,722; Mar. 17.
Pool construction, Swimming-. J. F. Booraem and R. M. Sutphen. 1,797,397; Mar. 24.
Pool table. I. H. Burnstine. Des. 84,459; June 23.
Pool table. I. H. Burnstine. Re85,572; Nov. 17.
Pool table. W. G. Ehrhart. Des. 84,467; June 23.
Pop-corn machine. M. A. Jackson. 1,789,902; Jan. 20.
Pop corn machine. G. H. Rossebo and F. Moke. 1,818,276; Aug. 11.
Pop corn machines. G. Bettandorff. 1,808,758; June 9.
Pop gun. E. S. Roe. 1,830,291; Nov. 3.
Porcelain. R. Twells. 1,834,880; Dec. 1.
Porcelain and making same. A. M. Fairchild and E. L. Rathburn. 1,802,641; Apr. 28.
Porcelain, Heater. R. J. Parsons. 1,806,115; May 19.
Porosity tester. C. E. Carpenter. 1,827,562; Oct. 13.
Porous material and making same, Fireproof. H. Hopkinson. 1,797,865; Mar. 24.
Portable elevator. A. M. Barrett. 1,814,110; July 14.
Portable furnace. A. N. MacDonald. 1,802,146; Apr. 21.
Portable, Grounded hand. F. C. Kollath. 1,791,625; Feb. 10.
Portable jack. J. R. Henkle. 1,800,939; Apr. 14.
Portable motor. F. W. Meyer. 1,838,700; Dec. 29.
Portable press. H. F. Woernley. 1,813,219; July 7.
Portable stall gate. R. C. Sheldon. 1,814,972; July 14.
Port and valve cooling arrangement, Dual exhaust. R. Jardine. 1,827,699; Oct. 13.
Portfolio for neckties and soft collars. C. C. Muldner, jr. 1,803,393; May 5.
Portière, Chain. S. Grassi. 1,835,644; Dec. 8.
Portière hanger, Adjustable. H. Meier. 1,823,909; Sept. 22.
Portioning and storing machine. H. and W. Phillip. 1,792,321; Feb. 10.
Port motor, Revolving-. G. G. Culver. 1,794,061; Feb. 24.
Portraits on mirrors, Etching. P. Lopez. 1,832,716; Nov. 17.
Port, Water cooled collapsible. J. P. McLimans. 1,802,664; Apr. 28.
Posing apparatus for photographic studios. W. C. Boston. 1,794,142; Feb. 24.
Position comparator. P. R. Bassett. 1,817,907; Aug. 11.
Position indicator. W. B. Lucas. 1,803,119; Apr. 28.
Position indicator, Front wheel. A. M. Bach. 1,812,674; June 30.
Positioning and holding work for material working apparatus, Apparatus for. W. Bonsor. 1,815,699; July 21.
Positioning apparatus. S. J. Finn. 1,808,810; June 9.
Positioning device. J. S. Thompson. 1,828,791; Oct. 27.
Positioning device for users of automatic photographic machines. S. Hirsch and J. F. Singer. 1,824,269; Sept. 22.
Positioning device for writing implements. J. T. Mingos. 1,818,081; Aug. 11.
Positive feed, Synchronously. E. Weinheim. 1,805,122; May 12.
Post: *See*—

Anchor post.
Binding post.
Bumper post.
Bumping post.
Concrete fence post.
Dental casting post.
Fence post.
Headache post.
Insulator post.
Jackknife mine post.
Jack post.
Lamp post.
Marker post.
Samson post
Steering-wheel post.
Supporting post.

Post brace, Adjustable. G. K. Thompson. 1,815,994; July 28.

Post construction for derricks, Interchangeable. L. A. Rawson. 1,834,421; Dec. 1.
Post construction, Front. J. Ledwinka. 1,834,528; Dec. 1.
Post for a towel bar or similar article. S. D. Baker. Des. 84,670; July 21.
Post for electrical instruments, Binding. G. V. Hetherington. 1,820,701; Aug. 25.
Post for interchangeable teeth. 1,827,119; Oct. 13.
Post for mail boxes, Safety swinging. R. E. Hall. 1,834,775; Dec. 1.
Post hole digging machine. N. A. Wright. 1,836,055; Dec. 15.
Post shank and bit, Combined. O. Severson. 1,835,992; Dec. 8.
Post twister. J. Shimko. 1,805,381; May 12.
Postage meter. L. L. Mack. 1,796,296; Mar. 17.
Postal machines, Adjustable trip for. W. C. Allen. 1,809,264; June 9.
Poster displaying device. O. G. Tague. 1,832,265; Nov. 17.
Poster-panel sections, Device for securing. J. P. Speck. 1,789,849; Jan. 20.
Poster rolling and moistening machine. A. M. Bates. 1,818,451; Aug. 11.
Posts, Forming hollow reenforced. W. Underwood. 1,794,503; Mar. 3.
Posts from sheet material, Cutting metal fence. W. P. Pickett. 1,813,761; July 7.
Posts, Manufacturing flexible. P. O. Unger. 1,804,134; May 5.
Pot: *See*—
Annealing pot.
Corrugated pot.
Flower pot.
Melting pot.
Paste pot.
Soldering pot.
Pot and pan cleaner. U. S. G. Welsh. 1,804,240; May 5.
Pot and pot-cover rack, Combination. R. E. Miller. 1,787,587; Jan. 6.
Pot for plants. J. H. Lietz. 1,801,930; Apr. 21.
Pothead, Automatic disconnecting. A. C. Rumble. 1,825,208; Sept. 29.
Pothead disconnect, Oil and air break. J. Rah. 1,819,302; Aug. 18.
Pothead for insulated cable terminals. A. O. Austin. 1,823,674; Sept. 15.
Pot or similar article. G. N. Allen and M. G. Parker and S. H. Leavenworth. Des. 85,803; Dec. 22.
Pot or similar article, Tea or coffee. P. B. Ball. Des. 85,681; Dec. 8.
Pot press. P. Hanel. 1,818,990; Aug. 18.
Pots, Cleaning galvanizing. F. L. McMeans. 1,821,105; Sept. 1.
Potassium carbonate, Production of. T. Thorssell and A. Kristensson. 1,794.260; Feb. 24.
Potassium chloride from alkaline brine, Recovery of commercially pure. H. P. Knight. 1,834,161; Dec. 1.
Potassium manganate, Production of. A. F. S. Bellone. 1,826,594; Oct. 6.
Potassium, Manufacture of. W. Busch, and E. Noack. 1,818,881; Aug. 11.
Potassium nitrate, Producing. P. Höfer. 1,812,531; June 30.
Potassium nitrate, Production of. C. T. Thorssell and A. Kristensson. 1,816,303; July 28.
Potassium nitrate with simultaneous obtaining of dimagnesium phosphate, Production of. T. Thorssell and A. Kristensson. 1,821,859; Sept. 1.
Potassium phosphate, Making. R. D. Pike. 1.799,479; Apr. 7.
Potassium phosphate, Producing. O. Kaselitz. 1,805,873; May 19.
Potassium sodium sulphate, Obtaining. G. B. Burnham. 1,814,284; July 14.
Potassium sulphate and soda, Production of. C. T. Thorssell. 1,787,497; Jan. 6.
Potassium sulphate from polyhalite, Recovery of. G. F. Ransom. 1,812,497; June 30.
Potato chipper. J. Bader. 1,809,824; June 16.
Potato cutter. L. F. Altfather. 1,824,798; Sept. 29.
Potato cutter, Seed-. J. E. Paulson. 1,799,638; Apr. 7.
Potato digger. J. Butyn. 1,793,541; Feb. 24.
Potato digger. S. Z. Kochanowski. 1,829,834; Nov. 3.
Potato digging machine. H. Brussow. 1,818,192; Aug. 11.
Potato digging machine. E. W. Johnson. 1,836,172; Dec. 15.
Potato planting process and potato planter. O. B. Rector. 1,824,233; Sept. 22.
Potential device, Constant. A. Jaumann. 1.819,604; Aug. 18.
Potentiometer, Electrical. L. L. Bouton. 1,824,801; Sept. 29.
Pottery and the like, Decorating articles of. H. Marmorstein. 1,818,729; Aug. 11.
Pottery, Apparatus for topping. D. L. Rouleau. 1,792,036; Feb. 10.
Pottery-forming machine. W. J. Miller. 1,788,402; Jan. 13.
Pottery forming machine. W. J. Miller. 1,812,893; July 7.
Pottery, Method of and apparatus for forming and applying appendages to ware in the manufacture of. W. J. Miller. 1,838,277; Dec. 29.
Pottery topping machine. D. L. Rouleau. 1,836,817; Dec. 15.
Pottery ware, Automatic manufacture of. W. J. Miller. 1,809,861; June 16.
Pouch. L. W. Barnes. 1,814,614; July 14.
Pouch, Key. J. A. Parrella. 1,811,327; June 23.
Pouch, Tobacco. M. J. McGuire. 1,820,282; Aug. 25.
Poultry coop gate. E. R. Carr. 1,804,671; May 12.
Poultry fountain. M. M. Hanen. 1,791,410; Feb. 3.
Poultry fountain. J. A. Johnston. 1,816,781; July 28.
Poultry fountain. J. Null. 1,787,544; Jan. 6.
Poultry fountain. E. Sauvageau. 1,820,835; Aug. 25.
Poultry fountain. A. L. Thompson. 1,796,672; Mar. 17.
Poultry house. E. Schindler. 1,808,685; June 2.
Poultry leg-blank placer and remover. C. A. Trump. 1,810,631; June 16.
Poultry-plucking machine. M. D. Reiss. 1,791,843; Feb. 10.
Pouring device. M. W. Goldberg. 1,816,185; July 28.
Powder and manufacturing the same, Black. R. L. Hill. 1,833,573; Nov. 24.
Powder blower. L. Manne. 1,813,182; July 7.
Powder box. A. Kantor. 1,831,600; Nov. 10.
Powder box. H. G. Lemoine. 1,818,340; Aug. 11.
Powder box. B. Rosenthal. 1,800,230; Apr. 14.
Powder box, Face. C. Davis. 1,813,281; July 7.
Powder, Colored dusting. L. B. Burnett and D. W. Bissell. 1,816,928; Aug. 4.
Powder, Delay. G. C. Hale. 1,805,214; May 12.
Powder device providing for a gradual feed of the powder, Face-. P. (dit) G. Baquey. 1,796,499; Mar. 17.
Powder dispenser. D. M. Bates and H. W. Coburn. 1,813,835; July 7.
Powder distributor. W. S. Finnell. 1,806,936; May 26.
Powder dusting machine. L. F. Burger. 1,832,963; Nov. 24.
Powder feeder, Face. F. J. Vicki. 1,835,249; Dec. 8.
Powder from whole milk, Making a stable. C. B. Von Bornegg. 1,808,730; June 2.
Powder, Manufacture of bleaching. J. W. Moore and A. Lamble. 1,826,629; Oct. 6.
Powder, Propellent. R. G. Woodbridge. 1,838,345–7; Dec. 29.
Powder puff. N. McD Burmeister. 1,816,565; July 28.
Powder puff. S. Finkel. 1,823,797; Sept. 15.
Powder puff. T. E. Gjorup. 1,796,450; Mar. 17.
Powder puff. B. A. Levitt. 1,815,320; July 21.
Powder puff. E. J. Moore. 1,821,393; Sept. 1.
Powder puff. C. A. Mureau. 1,824,226; Sept. 22.
Powder puff and making the same. J. E. Valentine and I. Englander. 1,813,518; July 7.
Powder puff and manufacturing the same. J. J. Cosin. 1,815,763; July 21.
Powder puff or dip. M. E. Fromert. 1,811,749; June 23.
Powder, Smokeless. S. G. Norton. 1,788,438; Jan. 13.
Powder to a stream of water, Apparatus for feeding. H. Burmeister. 1,833,275; Nov. 24.
Power: *See*—
Safety power.
Power actuated means for feeding rotary drills. P. Jones and P. W. Prutzman. 1,810,248; June 16.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,797,853; Mar. 24.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,801,483; Apr. 21.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,803,314; May 5.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,803,957; May 5.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,811,994; June 30.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,824,032; Sept. 22.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,826,416–17; Oct. 6.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,826,450; Oct. 6.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,826,648; Oct. 6.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,830,636; Nov. 3.
Power actuating mechanism. J. P. Daly. 1,829,184; Oct. 27.
Power amplifiers, Regulating device for high frequency. J. C. Schelleng. 1,836,556; Dec. 15.
Power and transmission unit. Self-contained. W. H. Hinckley. 1,793.801; Feb. 24.
Power, Apparatus and process of generating. L. Kirschbraun. 1,804,561; May 12.
Power attachment for ice cream freezers. D. D. Kohler. 1,825,356; Sept. 29.
Power attachment for motor cars. J. V. Cizek. 1,792,143; Feb. 10.
Power attachment for saw swages. R. G. Horton and G. Fraley. 1,824,349; Sept. 22.
Power, Automatic control of. W. D. Maxim and E. A. Mahannah. 1,802,660; Apr. 28.
Power brush cutter. S. Domagala. 1,830,871; Nov. 10.
Power brush rake. F. Mahre. 1,817,697; Aug. 4.
Power circuit control for radio receiving systems. H. A. Gates. 1,806,796; May 26.
Power compounding, Inductive reactive. T. H. Morgan. 1,828,062; Oct. 20.
Power control system. F. O. Wallene. 1,822,071; Sept. 8.
Power controller. J. T. Cowley. 1,815,188; July 21.
Power conversion means for radio apparatus. W. L. Krahl. 1,829,226; Oct. 27.
Power converting apparatus. C. A. Sabbah. 1,839,122; Dec. 29.

Power converting apparatus. C. A. Sabbah. 1,839,166; Dec. 29.
Power converting apparatus, Electric. D. C. Prince. 1,830,561; Nov. 3.
Power converting apparatus, Electric. C. A. Sabbah. 1,838,001; Dec. 22.
Power converting device. E. E. Anthony. 1,809,884; June 16.
Power device. L. F. Kott. 1,798,379; Mar. 31.
Power device. W. A. Rarig. 1,791,842; Feb. 10.
Power device, Radial. J. B. Groh. 1,813,288; July 7.
Power device, Wind-driven. C. H. Spencer. 1,790,175; Jan. 27.
Power device, Wind-driven. C. H. Spencer. 1,794,930; Mar. 3.
Power dipper trip. J. D. Rauch. 1,796,958; Mar. 17.
Power-dispatching system. T. U. White. 1,798,128; Mar. 24.
Power driven implement. O. J. Bready. 1,817,873; Aug. 4.
Power-driven machine for scrubbing, polishing, resurfacing, or otherwise treating floors, Portable. W. G. Orth. 1,820,482; Aug. 25.
Power driven shears. A. Rea. 1,811,027; June 23.
Power factors, Apparatus for correcting. E. F. Northrup 1,833,617; Nov. 24.
Power feeding system, Positive and negative. C. G. Adsit. 1,795,242; Mar. 3.
Power generating and converting systems. I. J. Granger. 1,809,409; June 9.
Power-generating mechanism. C. H. Braselton. 1,791,239; Feb. 3.
Power-generating system. C. F. Strong. 1,795,053; Mar. 3.
Power generator. H. A. Slattengren. 1,814,192; July 14.
Power head. P. A. Myers. 1,816,191; July 28.
Power interlocking system for railroads. F. Benedict. 1,824,112–3; Sept. 22.
Power lift device, Leverage. J. A. Dennis. 1,824,077; Sept. 22.
Power limiting. W. T. Wintringham. 1,806.657; May 26.
Power limiting device. R. H. Marriott. 1,836,379; Dec. 15.
Power machine for sealing caps to jars and cans. S. N. Tevander. 1,824,384; Sept. 22.
Power, Measuring and recording apparent. A. D. Du Bois. 1,811,541; June 23.
Power mechanism. F. F. Dorsey. 1,789,808; Jan. 20.
Power mechanism. H. I. Morris. 1,817,638; Aug. 4.
Power mechanism. I. Syverstad. 1,826,534; Oct. 6.
Power mechanism. W. M. Thomas. 1,806,133; May 19.
Power mechanism, Water-. J. B. Kelliher. 1,798,679; Mar. 31.
Power meter. F. W. Highfield. 1,807,530; May 26.
Power, Method of and apparatus for differentially applying. E. P. Halliburton and A. D. Stoddard. 1,791,498; Feb. 10.
Power multiplier. W. H. Bragaw and G. W. Bledsoe. 1,813,903; July 14.
Power plant. W. H. Armacost. 1,803,455; May 5.
Power plant. O. A. Banner. 1,790,221; Jan. 27.
Power plant. N. Christiansen. 1,826,273; Oct. 6.
Power plant. N. Christie. 1,823,190; Sept. 15.
Power plant. C. Föhl. 1,828,528; Oct. 20.
Power plant. C. B. Jahnke and A. C. Boock. 1,801,086; Apr. 14.
Power plant. B. V. E. Nordberg and R. Wintzer. 1,824,833; Sept. 29.
Power plant. A. Rosner. 1,817,944; Aug. 11.
Power plant. S. H. Woodard. 1,833,146; Nov. 24.
Power plant, Combined steam and combustion gas. H. Holzwarth. 1,829,749; Nov. 3.
Power plant, Hydraulic. A. V. Geary. 1,822,806; Sept. 8.
Power plant, Internal-combustion-engine. H. A. Douglas. 1,790,264–5; Jan. 27.
Power plant provided with automatic voltage regulation, Electric. J. Kuusinen and A. Ytterberg. 1,800,735; Apr. 14.
Power plant regulator. J. M. Barrett. 1,831,089; Nov. 10.
Power plant, Steam. C. B. Page and W. D. Burton. 1,819,619; Aug. 18.
Power plant, Steam. C. B. Page. 1,825,610; Dec. 8.
Power plant, Tidewater. S. B. McHenry. 1,793,743; Feb. 24.
Power plant, Vapor. W. Gumz. 1,813,921; July 14.
Power plant, Water. H. W. Eberhardt and K. Friedlmaier. 1,820,652; Aug. 25.
Power plant, Water-. M. A. E. L. Moharram. 1,794,313; Feb. 24.
Power plant, Wind operated. H. E. Bucklen. 1,818,672; Aug. 11.
Power plants, Operation of. F. Lawaczeck. 1,821,265; Sept. 1.
Power press. D. Crossley. 1,790,041; Jan. 27.
Power press. J. C. Ledbetter. 1,788,489; Jan. 13.
Power press. R. W. Strout. 1,788,071; Jan. 6.
Power press control. N. W. Dorman and M. R. Hatch. 1,818,986; Aug. 18.
Power pressing machines, Control mechanism for. E. Davis. 1,838,536; Dec. 29.
Power, Pumping. A. L. Skinner. 1,830,568; Nov. 3.
Power rack. R. D. Siragusa. 1,795,052; Mar. 3.
Power rectifier system, High. L. A. Gebhard. 1,822,618; Sept. 8.
Power roller, Internally driven. H. Hornsby. 1,811,394; June 23.
Power saving device. T. Saki. 1,814,095; July 14.
Power shovel. E. H. Fundom. 1,823,137; Sept. 15.
Power shovel, Child's. O. F. Opperman. 1,827,541; Oct. 13.
Power silk screen process printer and coater. L. Bland. 1,815,021; July 14.
Power storage and transmission mechanism. O. L. Sanders. 1,814,607; July 14.
Power supply apparatus. E. R. Hentschel. 1,835,395; Dec. 8.
Power supply apparatus for electron tubes. R. Depriester. 1,834,271; Dec. 1.
Power supply for radio receiving sets. H. De Malaussene. 1,823,592; Sept. 15.
Power supply for thermionic tubes. L. A. Hyland. 1,821,262; Sept. 1.
Power supply means for radio receiving apparatus. L. Shapiro. 1,823,066; Sept. 15.
Power supply system. C. H. Zierdt. 1,804,664; May 12.
Power system. R. A. Beekman. 1,801,133; Apr. 14.
Power take-off. H. H. Haight. 1,792,584; Feb. 17.
Power take-off. T. J. Hile and L. D. Barber. 1,801,744; Apr. 21.
Power take-off for motor vehicles. E. and W. Bernet. 1,795,244; Mar. 3.
Power transferring device. G. D. Jones. 1,821,645; Sept. 1.
Power translating device, Electric. J. Slepian. 1,802,677; Apr. 28.
Power translator. M. P. Winther. 1,836,298; Dec. 15.
Power transmission device, Differential speed. S. J. Dow. 1,818,310; Aug. 11.
Power transmission device for presses and the like. J. Bing. 1,814,891; July 14.
Power transmission, Electrical. C. A. Nickle. 1,825,624; Sept. 29.
Power transmission for looms. W. H. Compton. 1,795,197; Mar. 3.
Power transmission, Heavy duty flexible. R. G. Griswold. 1,832,300; Nov. 17.
Power transmission, Hydraulic. S. G. Wingquist. 1,825,435; Sept. 29.
Power transmission lines, Communicating system for. M. L. Sindeband, G. N. Tidd, and J. W. Milnor. 1,803,149; Apr. 28.
Power transmission means. F. R. Higley. 1,817,820; Aug. 4.
Power transmission means. C. G. Mahana. 1,808,240; June 2.
Power transmission mechanism. G. J. Abbott. 1,814,883; July 14.
Power transmission mechanism. O. S. Beattie. 1,838,733; Dec. 29.
Power-transmission mechanism. H. H. Brown. 1,787,565; Jan. 6.
Power-transmission mechanism. R. G. Clark. 1,793,998; Feb. 24.
Power transmission mechanism. H. Cooper. 1,820,442; Aug. 25.
Power transmission. M. F. Bates. 1,803,834; May 5.
Power transmission. J. F. Bolgiano. 1,804,668; May 12.
Power transmission. F. Ljungström. 1,810,282–3; June 16.
Power transmission. K. E. Lyman. 1,818,564; Aug. 11.
Power transmission. D. G. Mackenzie. 1,819,716; Aug. 18.
Power transmission. A. Piepkorn. 1,787,701; Jan. 6.
Power transmission. C. F. Rauen. 1,799,987; Apr. 7.
Power transmission. C. A. Rudqvist. 1,830,564; Nov. 3.
Power transmission and adjusting mechanism. C. G. Boudette. 1,819,697; Aug. 18.
Power-transmission apparatus. H. B. Chalmers. 1,798,723; Mar. 31.
Power transmission apparatus. N. G. Morici. 1,831,633; Nov. 10.
Power-transmission apparatus. H. E. Nietsche. 1,798,269; Mar. 31.
Power-transmission apparatus. T. M. O'Neal and W. W. Newbury. 1,788,065; Jan. 6.
Power transmission construction. P. Chapman. 1,805,612; May 19.
Power transmission device. F. B. Barrerè. 1,811,293; June 23.
Power transmission device. J. Bing. 1,825,934; Oct. 6.
Power transmission device. J. Bing. 1,827,348; Oct. 13.
Power-transmission device. J. E. English. 1,796,985; Mar. 17.
Power-transmission device. C. A. Parsons, S. S. Cook and L. M. Douglas. 1,795.795; Mar. 10.
Power transmission device. T. H. Ryan. 1,816,615; July 28.
Power transmission device. E. H. Scofield. 1,819,626; Aug. 18.
Power transmission mechanism. J. R. George. 1,832,111; Nov. 17.
Power transmission mechanism. E. Kägi. 1,836,757; Dec. 15.
Power transmission mechanism. F. J. Lapointe. 1,814,089; July 14.
Power transmission mechanism. R. Ljungkull. 1,810,489; June 16.
Power transmission mechanism. B. W. Miller. 1,819,566; Aug. 18.

Power transmission mechanism. H. W. Nieman. 1,818,643; Aug. 11.
Power transmission mechanism. P. M. Salerni. 1,836,773; Dec. 15.
Power transmission mechanism. A. K. Stohl. 1,822,066; Sept. 8.
Power-transmission mechanism. G. A. E. Strawn. 1,793,650; Feb. 24.
Power transmission mechanism. D. B. Thornton. 1,838,594; Dec. 29.
Power transmission mechanism and clutch. H. Sinclair. 1,831,770; Nov. 10.
Power transmission system. F. W. Gay. 1,814,684; July 14.
Power transmission system. F. W. Hild. 1,808,222; June 2.
Power transmission system. H. J. Kratzer. 1,817,006; Aug. 4.
Power transmission system, Irreversible rotary. R. Bricard. 1,804,310; May 5.
Power transmission, Two speed. W. A. Caldwell. 1,812,511; June 30.
Power transmission, Variable speed. C. H. Logue. 1,834,790; Dec. 1.
Power transmission, Variable speed. E. M. Rayburn. 1,807,013; May 26.
Power transmission, Wobble wheel. W. F. Paul 1,826,325; Oct. 6.
Power transmitter, Hydraulic rotary. W. W. Baker. 1,829,554; Oct. 27.
Power-transmitting and speed-changing mechanism. E. Gessner. 1,797,982; Mar. 24.
Power transmitting apparatus. A. O. Abbot, jr., 1,823,226; Sept. 15.
Power transmitting apparatus. B. D. Bedford. 1,834,889; Dec. 1.
Power-transmitting device. C. Arens. 1,798,009; Mar. 24.
Power-transmitting device. G. F. De Wein. 1,792,733; Feb. 17.
Power transmitting device. W. W. Everts. 1,818,313; Aug. 11.
Power transmitting device. H. A. Greenwald. 1,826,172; Oct. 6.
Power transmitting device. G. D. Jones. 1,821,646; Sept. 1.
Power transmitting device. O. M. Summers. 1,806,653; May 26.
Power transmitting device. I. F. Webb. 1,823,963; Sept. 22.
Power transmitting device and its application to differential gear. D. S. de Lavaud. 1,823,092; Sept. 15.
Power transmitting means. J. L. Creveling. 1,825,053; Sept. 29.
Power transmitting mechanism. R. E. Bruckner. 1,829,261; Oct. 27.
Power-transmitting mechanism. R. C. Hoffman. 1,797,576; Mar. 24.
Power transmitting mechanism. K. F. J. Kirsten. 1,835,406; Dec. 8.
Power-transmitting mechanism. R. C. Newhouse. 1,792,921; Feb. 17.
Power-transmitting mechanism. H. A. Palmer. 1,798,104; Mar. 24.
Power transmitting mechanism. A. K. Stohl. 1,802,846; Apr. 28.
Power transmitting mechanism, Control device for. R. von Erhardt. 1,805,120; May 12.
Power transmitting mechanism, Hydraulic variable speed. R. B. Miller. 1,820,083; Aug. 25.
Power transmitting mechanism, Variable speed. C. H. Logue. 1,830,744; Nov. 3.
Power transmitting mechanism, Variable speed. R. B. Miller. 1,835,318; Dec. 8.
Power unit. J. R. Cole. 1,812,258; June 30.
Power unit. F. E. Hubbs. 1,833,050; Nov. 24.
Power unit. R. A. Klock. 1,795,563; Mar. 10.
Power unit. L. K. Park. 1,825,087; Sept. 29.
Power unit. H. Sopkin and B. H. Gorman. 1,801,939; Apr. 21.
Power unit adapted to be applied to lawn mowers. M. H. Reed. 1,819,791; Aug. 18.
Power unit and method of creating energy. J. E. Shepherd. 1,825,131; Sept. 29.
Power unit device. J. O. Archibald. 1,806,659; May 26.
Power unit for use on automotive vehicles. C. H. Duncan. 1,809,331; June 9.
Power unit or plant for track apparatus. C. Jackson. 1,826,075; Oct. 6.
Power wheel. R. S. Turner. 1,809,919; June 16.
Power wrench. C. E. Weaver. 1,812,816: June 30.
Pre-cooler for fabric coolers. A. O. Hurxthal. 1,832,778; Nov. 17.
Precooler for vacuum pumps. J. F. Grace. 1,812,590; June 30.
Precooling system. N. H. Gay. 1,792,368; Feb. 10.
Precussor and vibrator. A. S. Dell'era and J. Barnes. 1,796,444; Mar. 17.
Prefiltering means. J. J. Naugle. 1,794,862; Mar. 3.
Preparation containing medicinal oil. F. R. Valentine. 1,804,135; May 5.
Preparation of colloidal solutions of water-immiscible bodies. W. B. Pratt and R. J. Noble. 1,831,544; Nov. 10.
Preparations for oiling fibrous materials, Production of. M. Luther and H. Beller. 1,808,363; June 2.
Preparation for preventing accumulation of moisture and the like. J. F. Wiseman. 1,831,521; Nov. 10.
Preparations for repelling gnats and similar insects. A. Schmidt. 1,821,036; Sept. 1.
Prepayment meter. W. Beusch and R. Pudelko. 1,799,276; Apr. 7.
Prepayment meter. S. J. Schwegler. 1,833,724; Nov. 24.
Preservative. E. C. Zuckermandel. 1,835,682; Dec. 8.
Preservative, Wood. K. H. Wolman and H. Pflug. 1,800,423; Apr. 14.
Preserving process. J. W. Pittock. 1,824,685; Sept. 22.
Press: *See*—

Assembling press.	Hosiery press.
Automatically operated press.	Hydraulic press.
Axle press.	Metal-drawing press.
Baling press.	Metal-stamping press.
Ball mold press.	Metal working press.
Brick press.	Molding press.
Bundling press.	Multicolor press.
Cheese press.	Necktie press.
Cotton press.	Platen printing press.
Creasing press.	Portable press.
Dehydrating press.	Pot press.
Die press.	Power press.
Electric press.	Printing press.
Embossing and like press.	Proof press
Embossing and printing press.	Punch press.
Extrusion press.	Riveting press.
Filter press.	Rolling press.
Fluid-operated press.	Rotary cloth press.
Fluid press.	Screw power press.
Fluid-pressure press.	Screw press.
Forming press.	Seal press.
Fruit press.	Shoe press.
Garment or ironing press.	Shoe sole press.
Garment press	Sole laying press.
Ham press.	Swaging press.
Hat press.	Tobacco press.
Hay press.	Trousers press.
Hose press.	Veneer press.
	Vulcanizing press.
	Web printing press.

Press. R. T. Anderson. 1,820,590; Aug. 25.
Press. H. O. Barker. 1,818,837; Aug. 11.
Press. A. A. Byerlein. 1,810,640; June 16.
Press. A. A. Byerlein. 1,817,885; Aug. 4.
Press. A. A. Byerlein. 1,827,558; Oct. 13.
Press. Fred S. Carver. 1,826,729; Oct. 13.
Press. J. J. Cavagnaro. 1,820,437; Aug. 25.
Press. W. L. Clouse. Des. 84,218; May 19.
Press. A. Friz. 1,819,704; Aug. 18.
Press. B. Greene. 1,824,132; Sept. 22.
Press. B. H. Greene. 1,791,356; Feb. 3.
Press. F. Hopper. 1,838,835; Dec. 29.
Press. S. J. Locke. 1,791,821; Feb. 10.
Press. S. J. Locke and F. R. Webster. 1,827,153; Oct. 13.
Press. B. Rollman. 1,830,623; Nov. 3.
Press. J. F. Schmidt. 1,823,213; Sept. 15.
Press. M. M. Titterington. 1,789,486; Jan. 20.
Press. F. E. Yingling. 1,799,718; Apr. 7.
Press and display rack. J. O. A. Aubert. 1,810,744; June 16.
Press and frame. J. C. Ledbetter. 1,813,301; July 7.
Press and strainer, Combination fruit. A. Wurdack. 1,831,432; Nov. 10.
Press arrangement. H. V. Ball. 1,835,585; Dec. 8.
Press board. E. P. Hamilton. 1,790,916; Feb. 3.
Press-control mechanism, Printing-. E. F. Dudley. 1,790,465; Jan. 27.
Press cut-off. C. A. Braun. 1,800,005; Apr. 7.
Press for dewatering and washing diluted substances, Screw. R. T. Lang. 1,838,996; Dec. 29.
Press for metal tubes or sheathings. G. Zapf. 1,838,606; Dec. 29.
Press for obtaining photographic prints by means of electric light. L. Crayssac. 1,812,199; June 30.
Press for plastic materials. E. L. Messler. 1,808,367; June 2.
Press for pressing clothes and textile furnishings, Hot. W. R. Holttum. 1,802,018; Apr. 21.
Press for producing printing surfaces on cylinders. H. C. Boedicker. 1,800,373; Apr. 14.
Press for sheet metal. C. J. Rhodes. 1,828,201; Oct. 20.
Press for the alimentary-paste industry and similar industries, Continuous production. G. Crespi. 1,790,368; Jan. 27.
Press for the manufacture of macaroni products, Automatic. D. F. Merlino. 1,801,967; Apr. 21.
Press frame. R. E. Manley. 1,807,297; May 26.
Press frame for duplicating or printing apparatus. R. Harris. 1,811,691; June 23.
Press operating mechanism. J. R. Oliver. 1,817,703; Aug. 4.
Press roll. W. M. Gardella. 1,793,688; Feb. 24.
Press roll. J. W. Vedder. 1,803,926; May 5.
Press stopping device. O. C. Roesen. 1,816,934; Aug. 4.
Presser and stretcher, Trousers. L. J. Widness. 1,826,971; Oct. 13.
Presser foot, Convertible. H. Auerbach. 1,826,592; Oct. 6.
Presser foot, Convertible. S. Levinson. 1,794,022; Feb. 24.
Presser foot for sewing machines. A. T. Childley. 1,820,438; Aug. 25.

Presser foot for sewing machines. C. H. Jones. 1,820,460; Aug. 25.
Presser foot for sewing machines. A. S. Riviere. 1,820,496; Aug. 25.
Presser roller. H. McGowan. 1,830,120; Nov. 3.
Presses and the like, Adjustable device for power. N. W. Doorman and M. R. Hatch. 1,801,037; Apr. 14.
Presses, Automatic feed for punch. J. Wittek. 1,786,417; Mar. 17.
Presses, Cake knocker for oil. S. R. Carpenter. 1,803,745; May 5.
Presses, Continuous-feed mechanism for printing. C. L. Low. 1,790,936; Feb. 3.
Presses, Cushion for sheet-metal. F. J. Rode. 1,787,996; Jan. 6.
Presses, Feeding device for. J. A. Johnson and G. W. Chalmers. 1,805,246; May 12.
Presses, Feeding means for punch. R. O. Gilburg. 1,790,301; Jan. 27.
Presses for drawing sheet metal. C. J. Rhodes. 1,822,906; Sept. 15.
Presses for rackets. S. Flower. 1,796,596; Mar. 17.
Presses on paper and board making machinery, Arrangement of wet. W. Heller. 1,810,964; June 23.
Presses, Operating mechanism for hydraulic. M. H. Damerell. 1,790,797; Feb. 3.
Presses, Pressure adjusting means for garment and laundry. E. Davis. 1,837,018; Dec. 15.
Presses, Straight-pin pinning attachment for. J. W. Mansfield. 1,791,967; Feb. 10.
Presses, Throw off mechanism for. C. F. Fraubenberger. 1,808,499; June 2.
Presses, Tucker for hay. A. E. Rutter. 1,799,191; Apr. 7.
Pressing and steaming iron. L. A. Smith. 1,824,379; Sept. 22.
Pressing and trimming tape reenforced seams of sheet rubber articles. A. E. Collins. 1,812,286; June 30.
Pressing apparatus. V. A. Ray. 1,810,984; June 23.
Pressing buck. A. O. Long. 1,829,566; Oct. 27.
Pressing device. A. E. Weingartner. 1,828,582; Oct. 20.
Pressing machine. W. P. Beattie. 1,791,519; Feb. 10.
Pressing machine. E. Davis. 1,797,720; Mar. 24.
Pressing machine. E. Davis. 1,797,757; Mar. 24.
Pressing machine. R. M. Kincaid. 1,835,060; Dec. 8.
Pressing machine. C. E. Waream and G. W. Johnson. 1,796,640; Mar. 17.
Pressing machine element. E. Davis. 1,813,610; July 7.
Pressing machine element. E. Davis. 1,828,102; Oct. 20.
Pressing machine for use in the manufacture of boots and shoes. A. Eppler. 1,816,962–3; Aug. 4.
Pressing machine mechanism. J. P. Daly. 1,819,639; Aug. 18.
Pressing machine pad. C. E. Galvin. 1,826,395; Oct. 6.
Pressing machine (pressure adjusting means). E. Davis. 1,820,011; Aug. 25.
Pressing machine (work holding means). T. N. Braun. 1,817,344; Aug. 4.
Pressing machines, Actuating means for. E. Davis. 1,805,569; May 19.
Pressing machines, Actuating mechanism for. E. Davis. 1,800,680; Apr. 14.
Pressing machines, Actuating mechanism for. E. Davis. 1,823,259; Sept. 15.
Pressing machines, Actuating mechanism for. E. A. Winnewisser. 1,823,181; Sept. 15.
Pressing machines, Counterbalancing mechanism for heads of. E. Davis. 1,806,193; May 19.
Pressing machines, Head checking means for power operated. E. Davis. 1,829,394; Oct. 27.
Pressing machines, Operating mechanism for. E. Davis. 1,820,052; Aug. 25.
Pressing machines, Pressing element for garment. A. J. Hoffman. 1,794,112; Feb. 24.
Pressing machines, Pressure member for. E. Davis. 1,797,758; Mar. 24.
Pressing machines, Shirt pressing attachment for. A. B. Clisson. 1,834,769; Dec. 1.
Pressing machines, Work holding means for. E. A. Winnewisser. 1,835,254; Dec. 8.
Pressure actuated switch. R. Penn. 1,827,102; Oct. 13.
Pressure boiler, Low-. F. A. Page. 1,795,735; Mar. 10.
Pressure brake, Fluid. T. H. Thomas. 1,789,934; Jan. 20.
Pressure can. H. J. H. Nathorst. 1,820,948; Sept. 1.
Pressure-control apparatus. J. A. Campbell. 1,787,895; Jan. 6.
Pressure-control system. T. A. Peebles. 1,794,028; Feb. 24.
Pressure control system for gas plants, Remote. G. G. Crane. 1,822,645; Sept. 8.
Pressure controlling device for pneumatic tires. B. J. Georgias. 1,832,114; Nov. 17.
Pressure device, Movable. N. S. Welk. 1,805,322; May 12.
Pressure drilling head. E. N. Hewitt. 1,813,402; July 7.
Pressure equalizing device for trolley poles. H. Holland. 1,837,436; Dec. 22.
Pressure equalizing means for heating systems. A. J. Rudolph. 1,811,406; June 23.
Pressure exerting device. S. S. Colt. 1,809,962; June 16.
Pressure fluid generator. R. Perrin. 1,828,784; Oct. 27.
Pressure fluid motor. E. G. Gartin. 1,803,107–8; Apr. 28.
Pressure gauge. C. M. Adams. 1,839,077; Dec. 29.
Pressure gauge. H. A. Clark. 1,811,173; June 23.
Pressure gauge. J. D. Durant. 1,815,000; July 14.
Pressure gauge. H. Hastings. 1,805,176; May 12.
Pressure gauge. J. F. Key. 1,836,601; Dec. 15.
Pressure gauge. G. P. Luckey. 1,804,658; May 12.
Pressure gauge. J. W. Motherwell. 1,814,092; July 14.
Pressure gauge. A. Müller. 1,811,326; June 23.
Pressure gauge. A. Röver. 1,809,759; June 9.
Pressure gauge. J. Wahl. 1,838,166; Dec. 29.
Pressure gauge, Duplex. E. E. Hans. 1,826,397; Oct. 6.
Pressure gauge, Gearless. J. E. Eshbaugh. 1,835,561; Dec. 8.
Pressure indicator. P. M. Stivender. 1,834,079; Dec. 1.
Pressure indicator for automobile tires, Air. G. H. Sutton. 1,833,446; Nov. 24.
Pressure maintaining mechanism. I. Lundgaard. 1,838,148; Dec. 29.
Pressure measuring device. O. B. Goldman. 1,832,380; Nov. 17.
Pressure mechanism. T. H. Seely. 1,825,704; Oct. 6.
Pressure molding machine. C. G. Ebeli. 1,793,215; Feb. 17.
Pressure motor, Counterthrust. C. G. Edwards. 1,793,685; Feb. 24.
Pressure-operated switch. E. F. Kramer. 1,800,084; Apr. 7.
Pressure recording gauge. F. M. Kannenstine. 1,837,222; Dec. 22.
Pressure regulating device for roller mills. D. R. Bowen. 1,820,689; Aug. 25.
Pressure regulating means. W. C. Broekhuysen. 1,824,389; Sept. 22.
Pressure regulating system. G. C. Lammert. 1,802,610; Apr. 28.
Pressure-regulating system, Electrically-controlled. J. C. Groble. 1,788,429; Jan. 13.
Pressure regulator. R. E. Joyce. 1,798,377; Mar. 31.
Pressure regulator and cut-off. R. G. Hedden. 1,789,746; Jan. 20.
Pressure regulator, Automatic. V. W. Leonard. 1,802,178; Apr. 21.
Pressure regulator, Fluid-. F. Gaunt, M. B. Reynolds, and R. C. Hughes. 1,800,683; Apr. 14.
Pressure responsive device and its manufacture. E. O. Stout and O. M. Summers. 1,821,950; Sept. 8.
Pressure responsive instrument. A. E. Clawson. 1,803,996; May 5.
Pressure responsive instrument. K. L. Tate. 1,827,804; Oct. 20.
Pressure supply system for pipes. J. R. Hamilton. 1,831,954; Nov. 17.
Pressure switch. A. C. Smith. 1,815,806; July 21.
Pressure tank, Sand blast. F. J. Hull. 1,816,583; July 28.
Pressure testing, Apparatus for. B. Lassman. 1,811,138; June 23.
Pressure unit for intaglio printing. A. T. Chester and A. C. Cary. 1,827,685; Oct. 13.
Pretzels, Method of and machine for making. C. D. Reed. 1,793,374; Feb. 17.
Price indicator, Adjustable. J. G. Lukas. 1,812,159; June 30.
Price marking device. C. Rohlfes. 1,824,794; Sept. 29.
Price ticket tie on machine. R. H. Plass. 1,815,214; July 21.
Primary battery. M. L. Izumiya. 1,830,875; Nov. 10.
Primary battery. M. L. Martus, E. H. Becker, and J. G. Ross. 1,831,460; Nov. 10.
Primary battery. M. L. Martus, E. H. Becker, and J. G. Ross. 1,836,720; Dec. 15.
Primary cell and electrolyte therefor. G. W. Heise. 1,835,867; Dec. 8.
Prime mover. A. A. Hovepian. 1,809,203; June 9.
Prime mover. W. MacKirdy. 1,801,633; Apr. 21.
Prime mover and assembling and dismantling the same. E. H. Brown. 1,802,870; Apr. 28.
Prime movers, System for governing. A. J. Nerad. 1,832,816; Nov. 17.
Primer composition. C. H. Pritham. 1,794,732; Mar. 3.
Primer for impulse pumps. H. Schlachter. 1,811,651; June 23.
Primer for internal combustion engines. J. C. Gover. 1,826,771; Oct. 13.
Priming fixture. J. D. McNutt. 1,800,223; Apr. 14.
Priming mechanism for centrifugal pumps. A. B. Singleton. 1,817,041; Aug. 4.
Priming mixture. P. R. Aronson. 1,826,714; Oct. 13.
Priming mixture. J. D. McNutt. Re.18,137; July 28.
Priming mixture. J. D. McNutt. 1,825,466; Sept. 29.
Print. O. M. Miller. 1,818,080; Aug. 11.
Print-drying apparatus. G. M. Dye. 1,794,063; Feb. 24.
Print-treating apparatus, Photographic-. A. W. Caps. 1,799,280; Apr. 7.
Print washer, Automatic. A. W. Caps. 1,802,192; Apr. 21.
Printed matter for file purposes. F. C. Cooper. 1,788,421; Jan. 13.
Printer, Continuous. F. H. Owens. 1,814,525; July 14.
Printer, Optical. F. H. Owens. 1,801,450; Apr. 21.
Printer, Projection. F. H. Owens. 1,836,038; Dec. 15.
Printers, Call signal and motor control box for simplex. W. B. Blanton. 1,834,910; Dec. 1.
Printers, Call signal and motor control for simplex. S. W. Rothermel and E. W. Hewitt. 1,803,304; Apr. 28.
Printers in a multiplex system, Operating simplex. R. F. Dirkes, V. R. Kimball, and J. W. Long. 1,802,240; Apr. 21.

Printer's quoin. C. M. Danzig. 1,830,194; Nov. 3.
Printer's registering device. E. F. Noell and E. E. Thiel. 1,830,037; Nov. 3.
Printer's registering device. E. E. Thiel. 1,789,028; Jan. 13.
Printing. T. F. Pinder. 1,808,476; June 2.
Printing and color applying element and manufacturing the same, Combined. W. Macdonald. 1,804.359; May 5.
Printing and cutting machine. Statistical card. W. W. Lasker. 1,804.995; May 12.
Printing and perforating machine. J. W. Bryce. 1,800,596; Apr. 14.
Printing and producing double-width positive film strips. J. E. Thornton. 1,794,043; Feb. 24.
Printing and registering machine. F. E. Langdon. 1,794,716; Mar. 3.
Printing and stamping machine. R. F. Jahn. 1,811,582–3; June 23.
Printing and stitching machine. E. T. Morris. 1,808,504; June 2.
Printing and vending machine, Combined. M. P. Wetmore. 1,790,562; Jan. 27.
Printing and vignetting apparatus, Photographic. R. S. Hopkins. 1,799,818; Apr. 7.
Printing apparatus. F. W. Laencher. 1,837,450; Dec. 22.
Printing apparatus for photographic purposes. O. Barnack. 1,796,258; Mar. 10.
Printing apparatus, Photostatic. E. Weisker. 1,813,689; July 7.
Printing apparatus, Stencil. J. Flockhart. 1,828,771; Oct. 27.
Printing art. L. W. Robinson and H. Jones. 1,788,594; Jan. 13.
Printing attachment for pay roll recorders. J. S. Ogsbury. 1,827,036; Oct. 13.
Printing blanket for offset work. F. W. Adsit and T. W. Hicks. 1,804,139; May 5.
Printing block and making the same. J. C. McCarthy. 1,814,758; July 14.
Printing device. R. Anderson. 1,807,954; June 2.
Printing device. J. A. Bailey. 1,807,887–8; June 2.
Printing device. J. A. Bailey. 1,807.957–8; June 2.
Printing device. J. A. Bailey. 1,808,515; June 2.
Printing device. R. M. Dugdale. 1,801,592; Apr. 21.
Printing device. R. M. Dugdale. 1,801,596; Apr. 21.
Printing device. W. T. Gollwitzer. 1,792.085; Feb. 10.
Printing device. W. T. Gollwitzer. 1,799.417–18; Apr. 7.
Printing device. E. R. Griffin. 1,801,078; Apr. 14.
Printing device. H. E. Hubbard. 1,790.665; Feb. 3.
Printing device. H. E. Hubbard. 1,822,291; Sept. 8.
Printing device. B. Z. McCain and H. L. Thompson. 1,812,889; July 7.
Printing device. V. J. Mohler. 1,790,717; Feb. 3.
Printing device. V. J. Mohler. 1,812,894; July 7.
Printing device. V. J. Mohler. 1,821,108; Sept. 1.
Printing device. V. J. Mohler. 1,831,363; Nov. 10.
Printing device. J. C. Paschali. 1,812,898; July 7.
Printing device. G. A. Priess. 1,815,731; July 21.
Printing device. G. W. Schaefer. 1,808,007; June 2.
Printing device for colored films. R. Berthon. 1,816,039; July 28.
Printing device, Zero-. E. Breitling. 1,790,790; Feb. 3.
Printing form and preparing the same. E. Sauer. 1,811,971; June 30.
Printing forms, Photochemically producing. J. Bekk. 1,802,936; Apr. 28.
Printing gum tape machine. F. K. Lumpkin. 1,837,622; Dec. 22.
Printing head reciprocator. R. E. Page. 1,830,765; Nov. 10.
Printing light values, Apparatus for indicating. F. H. Owens. 1,821,399; Sept. 1.
Printing machine. P. Aitchison. 1,789,420; Jan. 20.
Printing machine. E. C. Baeck. 1,814,886; July 14.
Printing machine. J. A. Boyce. 1,831,156; Nov. 10.
Printing machine. J. A. Carlson. 1,808,451; June 2.
Printing machine. J. R. Curotto. 1,816,721; July 28.
Printing machine. J. S. Duncan and H. E. Hubbard. 1,792,079; Feb. 10.
Printing machine. J. S. Duncan and H. E. Hubbard. 1,792,149–50; Feb. 10.
Printing machine. W. K. Eckhard. 1,824,200; Sept. 22.
Printing machine. F. E. Fowler. 1,817,812; Aug. 4.
Printing machine. C. E. Gale. 1,819.326; Aug. 18.
Printing machine. W. T. Gollwitzer and H. E. Hubbard. 1,790,661; Feb. 3.
Printing machine. A. J. Horton. 1,809,384; June 9.
Printing machine. H. E. Hubbard and C. C. McCain. 1,796,524; Mar. 17.
Printing machine. J. Krell. 1,803,940; May 5.
Printing machine. J. Krell. 1,816,733; July 28.
Printing machine. A. F. McCollum. 1,789,244; Jan. 13.
Printing machine. W. E. Molins. 1,787,872; Jan. 6.
Printing machine. P. M. Pope. 1,836.551–2; Dec. 15.
Printing machine. A. Rosenthal. 1,826,525; Oct. 6.
Printing machine. H. J. Smith. 1,838,584; Dec. 29.
Printing machine. H. L. Thompson. 1,817.655; Aug. 4.
Printing machine. C. F. Webb. 1,815,534; July 21.
Printing machine adapted for use with unimpressed films requiring a very long exposure. M. G. M. G. Bizot. 1,800,049; Apr. 7.
Printing machine, Block. C. F. Humphreys. 1,814,160; July 14.
Printing machine, Bulletin. T. W. MacKenzie. 1,826,805; Oct. 13.
Printing machine for colored films. P. Brosse. 1,810,200; June 16.
Printing machine for golf balls and the like. H. W. Vorbeck. 1,817,788; Aug. 4.
Printing machine for printing strips of material. J. Krell. 1,819,561; Aug. 18.
Printing machine for sensitized material. H. H. Sullivan. 1,790,881; Feb. 3.
Printing machine for silk and other materials. P. M. Zlydin. 1,813,010; July 7.
Printing machine for textile fabrics. P. M. Zlydin. 1,797,038; Mar. 17.
Printing machine kicker mechanism. E. T. Morris and T. J. Mills. 1,809,389; June 9.
Printing machine, Offset. F. Fischer. 1,811,784; June 23.
Printing machine, Offset and typographic. G. Corse. 1,798,974; Mar. 31.
Printing machine, Photographic-. R. S. Hopkins. 1,799,817; Apr. 7.
Printing machine, Photographic. R. S. Hopkins. 1,823,145; Sept. 15.
Printing machine, Plate. W. E. Bennison. 1,815,995; July 28.
Printing machine, Rotary offset. W. Rössger. 1,816,796; July 28.
Printing machine, Screen. E. Borregard. 1,832,828; Nov. 17.
Printing machine, Telegraph page. C. B. Harrison. 1,793,365; Feb. 17.
Printing machine, Web-. H. V. Ball. 1,787,969; Jan. 6.
Printing machines and more particularly in rotary printing machines, Raising, changing, and driving the paper web rolls in. A. Fallot. 1,812,742; June 30.
Printing machines, Apparatus for applying etched tubes in intaglio. K. Albrecht. 1,835,836; Dec. 8.
Printing machines, Attachment for. R. W. Lloyd. 1,836,856; Dec. 5.
Printing machines, Cutting and collecting mechanism for. L. A. Schmidt. 1,836,043; Dec. 15.
Printing machines, Dating attachment for rotary. F. C. Marquardt. 1,797,354; Mar. 24.
Printing machines, Gripper mechanism for. W. K. Eckhard. 1,832,284; Nov. 17.
Printing machines, Ink removing contrivance for. W. J. Pirie. 1,837,671–2; Dec. 22.
Printing machines, Late news device for. C. G. Quick and T. R. Bennett. 1,818,751; Aug. 11.
Printing machines, Plate holder for photographic. W. C. Huebner. 1,828,739; Oct. 27.
Printing machines, Ribbon holding and feeding device for. L. H. Morse. 1,807.322; May 26.
Printing machines, Selection apparatus of addressing and other similar. B. Fassmann. 1,788,090–91; Jan. 6.
Printing machines, Totalizer for. G. H. Lang. 1,800,544; Apr. 14.
Printing machines, Web guiding mechanism for. H. V. Ball. 1,811,377; June 23.
Printing means. H. J. Megley. 1,838,779; Dec. 29.
Printing mechanism. A. B. Froehlich. 1,804.160; May 5.
Printing mechanism. H. B. Ohmer. 1,794,795; Mar. 3.
Printing mechanism for accounting machines. J. W. Bryce. 1,812,838; June 30.
Printing mechanism for accounting machines. F. M. Carroll. 1,787,721; Jan. 6.
Printing mechanism for accounting machines. H. A. Weinlich. 1,817,501; Aug. 4.
Printing mechanism for addressing machines. P. A. Gollnick and F. W. Broderick. 1,820,970; Sept. 1.
Printing mechanism for calculating machines. C. O. Mapel. 1,812,161; June 30.
Printing mechanism for cash registers. A. Radermacher. 1,803,037; Apr. 28.
Printing mechanism for use with weighing apparatus. W. Timson. 1,800,850; Apr. 14.
Printing mechanism, Selecting and. S. Morton, H. L. Krum, and E. E. Kleinschmidt. 1,821,110; Sept. 1.
Printing, Method of and apparatus for. C. E. Gale. 1,819.160; Aug. 18.
Printing of fabrics containing organic derivatives of cellulose. H. Platt. 1,822,453; Sept. 8.
Printing of signals, means to control. O. J. Sundstrand. 1,829.461; Oct. 27.
Printing on fabric or paper, Apparatus for use in hand. C. Givaudan. 1,800,288; Apr. 14.
Printing on long webs of paper, cloth, or the like in platen-presses, Device for. N. G. Golje. 1,825,395; Sept. 29.
Printing paste and producing the same. J. G. Kern and C. I. Sada. 1,834,314; Dec. 1.
Printing, Photomechanical process of. E. B. Eldridge. 1,793,070; Feb. 17.
Printing plate. S. Anthony. 1,811,815; June 23.
Printing plate. H. Buschmann. 1,829,085; Oct. 27.
Printing plate. R. M. Dugdale. 1,801,593; Apr. 21.
Printing plate. J. Schultz. 1,810,089; June 16.
Printing plate and making same. R. A. Glaser. 1,789,138; Jan. 13.
Printing plate and making the same. C. G. Hayes. 1,827,361; Oct. 13.
Printing plate holding means. J. Schmutz. 1,817,587; Aug. 4.
Printing plate mold. J. Schultz. 1,810,088; June 16.

Printing plate mold. H. A. W. Wood. 1,836,146; Dec. 15.
Printing plate or similar article. M. Huseboe and R. W. Porter. Des. 84,987; Sept. 1.
Printing plate, Rubber. J. C. Baker. 1,834,759; Dec. 1.
Printing plates and apparatus therefor, Photographic composing for. H. C. Boedicker. 1,787,662; Jan. 6.
Printing plates or the like, Producing. A. W. Nordlander. 1,835,175; Dec. 8.
Printing plates, Producing. J. D. Edwards. 1,804,920; May 12.
Printing plates, System of assembling and locking. F. R. White. 1,835,736; Dec. 8.
Printing press. P. W. Allen. 1,806,591; May 26.
Printing press. A. F. Bischoff. 1,801,899; Apr. 21.
Printing press. M. W. Brueshaber. 1,802,702; Apr. 28.
Printing press. W. Evensen. 1,825,944; Oct. 6.
Printing press. W. Evensen. 1,825,998; Oct. 6.
Printing press. J. W. Hoag. 1,831,113; Nov. 10.
Printing press. S. R. Howard. 1,829,004; Oct. 27.
Printing press. G. E. Lee. 1,812,053–4; June 30.
Printing press. H. C. Ryan. 1,787,456; Jan. 6.
Printing press. J. F. Springstead. 1,802,038; Apr. 21.
Printing press attachment. H. H. Hancock. 1,831,660; Nov. 10.
Printing press attachment. W. E. Shacklett. 1,810,256; June 16.
Printing press attachment. W. E. Shacklett. 1,832,055; Nov. 17.
Printing press bed movement. F. Barney. 1,816,816; Aug. 4.
Printing press, Combination. L. E. La Bombard. 1,819,751; Aug. 18.
Printing press, Cylinder. A. Büttner. 1,802,873; Apr. 28.
Printing press, Cylinder. A Büttner. 1,829,436; Oct. 27.
Printing press, Double multicolor web perfecting rotary. H. M. Barber. 1,816,354; July 28.
Printing press, Double multicolor web perfecting rotary. H. M. Barber. 1,833,510–11; Nov. 24.
Printing press, Intaglio. A. T. Chester and A. C. Cary. 1,827,684; Oct. 13.
Printing press, Intaglio-. O. C. Roesen. 1,788,635; Jan. 13.
Printing press, Multicolor. F. E. Jamison. 1,815,622; July 21.
Printing press, Multicolor rotary. H. M. Barber. 1,833,512; Nov. 24.
Printing press plate and making the same. R. I. Drake. 1,803,548; May 5.
Printing press, Platen. A. W. Ranger. 1,806,865; May 26.
Printing press, Platen. G. Spiess. 1,789,662; Jan. 20.
Printing press, Rotary. H. M. Barber. 1,816,355; July 28.
Printing press, Rotary. M. Oxenhandler. 1,796,692; Mar. 17.
Printing press, Surface printing, rotary sheet. A. Trutzel. 1,814,498; July 14.
Printing press unit. W. H. Granger. Re18,056; Apr. 28.
Printing presses, Automatic paper feeding. C. L. Low. 1,820,469; Aug. 25.
Printing presses, Bed motion for. M. A. Droiteour. 1,830,352; Nov. 3.
Printing presses, Cutting and transferring mechanism for. G. Danzer. 1,803,499; May 5.
Printing presses, Dampening device for plate cylinders in offset and other lithographic. S. Moe and S. A. Moe. 1,834,169; Dec. 1.
Printing presses, Dampening device for plate cylinders in offset-process. S. Moe and S. A. Moe. 1,798,850; Mar. 31.
Printing presses, Device for inking. P. S. Hervey and H. A. Billings. 1,808,815; June 9.
Printing presses, Gripper mechanism for cylinder. C. L. Low. 1,820,470; Aug. 25.
Printing presses, Ink agitating appliance for. C. P. Cornell and J. E. Slaby. 1,809,159; June 9.
Printing presses, Inking mechanism for. H. V. Ball. 1,788,504; Jan. 13.
Printing presses, Label strip feeding means for. G. L. Bignell. 1,826,498; Oct. 6.
Printing presses, Perforating attachment for. E. J. Tillstrom. 1,831,270; Nov. 10.
Printing presses, Plate-clamping mechanism for. A. Neef. 1,800,468; Apr.14.
Printing presses, Sheet-applying apparatus for. N. Welter. 1,798,240; Mar. 31.
Printing presses, Sheet feeding mechanism for. C. F. Root. 1,810,929; June 23.
Printing presses, Sheet-transferring mechanism for. C. F. Root. 1,795,971; Mar. 10.
Printing presses, Signal system for. E. W. Seeger. 1,795,316; Mar. 10.
Printing presses, Web roll loading mechanism for. F. Lamatsch. 1,818,720; Aug. 11.
Printing, Preventing offset in. E. C. Francoise. 1,831,624; Nov. 10.
Printing process. W. Schaffer. 1,808,320; June 2.
Printing, Process and apparatus for. W. C. Huebner. 1,820,194; Aug. 25.
Printing, Relief or embossed. O. Zehnpfund. 1,799,773; Apr. 7.
Printing roller. W. M. Connelly. 1,802,003; Apr. 21.
Printing roller and printing plate, Metal. H. B. Nicolas and T. R. Fothergill. 1,804,024; May 5.
Printing telegraph. E. E. Kleinschmidt. 1,811,133–4; June 23.
Printing telegraph. Y. Okamoto. 1,801,528–9; Apr. 21.
Printing telegraph apparatus, Tape feed mechanism for. H. H. Haglund and A. W. Dickey. 1,827,652; Oct. 13.
Printing telegraph system. W. A. Knoop. 1,809,043; June 9.
Printing telegraph system. R. F. Dirkes and A. L. Pomeroy. 1,834,828; Dec. 1.
Printing telegraph system. G. S. Hiltz and W. F. Purcell. 1,827,362; Oct. 13.
Printing upon pages of a book. C. E. Gale. 1,819,158; Aug. 18.
Printing wheel. F. G. Creed. 1,826,741; Oct. 13.
Prints and light-sensitive materials, Production of photographic. M. Raeck. 1,833,856; Nov. 24.
Prints, Apparatus for printing photogravure. M. Stoessel. 1,833,133; Nov. 24.
Prints, Finishing. C. M. Boyce. Re18,192; Sept. 15.
Prints, Method of and apparatus for making and finishing. C. M. Boyce. Re18,191; Sept. 15.
Prints on vegetable fibers, Fast. A. Schneevoigt and K. Anacker. 1,813,641; July 7.
Prism system, Direct vision, image-reversing. A. König. 1,795,782; Mar. 10.
Prisms, System of reversing. O. Möller. 1,795,092; Mar. 3.
Processing apparatus. I. E. Colvin, G. N. Manison, and H. G. Walters. 1,794,670; Mar. 3.
Processing plant. W. S. Yarrow. 1,826,036; Oct. 6.
Produce package, Refrigerated. S. J. Gallagher. 1,828,179; Oct. 20.
Product and manufacture thereof, Food. W. Horlick, jr. 1,813,574; July 7.
Product and producing the same, Mechanical. N. H. Bray. 1,830,747; Nov. 10.
Product for treating the skin. J. Urkov and B. R. Harris. 1,809,082; June 9.
Product-forming machine, Edible-. J. C. Bergner. 1,798,582; Mar. 31.
Product rich in cellulose and useful by-product from straw, Obtaining a. H. Du Boistesselin. 1,813,531; July 7.
Production-control system. J. E. Fisher. 1,794,007; Feb. 24.
Production of soft pale colored products of waxy nature. W. Pungs and K. Behringer. 1,834,866; Dec. 1.
Products, Apparatus for making vitrified argillaceous. W. B. Pine. 1,824,684; Sept. 22.
Products containing both a sulphide and aluminum oxide, Producing. T. R. Haglund. 1,837,543; Dec. 22.
Products from leather, and certain products therefor, Making decomposition. J. Michelman. 1,830,921; Nov. 10.
Products from Montan wax, Extraction of valuable. H. M. Freytag. 1,836,020; Dec. 15.
Products from solid carbonizable substances, Recovery of soluble. J. Jannek and O. Göhre. 1,822,349; Sept. 8.
Products from vegetable growths and the products thereof, Making. L. L. Burgess. 1,820,046; Aug. 25.
Products made with cellulose acetate, Dyeing or coloring of. G. H. Ellis. 1,818,541–3; Aug. 11.
Products of diolefines, Polymerization. G. Ebert, F. A. Fries, and W. Reppe. 1,827,285; Oct. 13.
Products of finely divided vegetable material, Making. A. P. Allen. 1,824,421; Sept. 22.
Products produced from aqueous dispersions of organic substances, particularly of caoutchouc or caoutchou like substances by agglomeration upon a base, Drying. P. Klein. 1,825,737; Oct. 6.
Products resembling natural waxes. W. Pungs and K. Behringer. 1,825,248–9; Sept. 29.
Products such as alkyl halides, Purification of synthetic or substitution. J. F. Norris. 1,825,814; Oct. 6.
Products with welded faces of stable surface alloy, Making. P. A. E. Armstrong. 1,826,860; Oct. 13.
Program-controlling system. N. E. Bonn. 1,795,753; Mar. 10.
Program device. E. F. Geiger. 1,791,927; Feb. 10.
Program indicating device for radio reception. G. H. Follows. 1,837,707; Dec. 22.
Program instrument. H. E. Warren. 1,801,129; Apr. 14.
Program machine. H. Sanner. 1,810,732; June 16.
Program self-regulating control system. E. F. Geiger. 1,800,381; Apr. 14.
Program service system, Selective. W. T. Powell. 1,812,169; June 30.
Projectile. G. C. Gardner. 1,825.517; Sept. 29.
Projectile. R. W. James. 1,817.377; Aug. 4.
Projectile. A. Perreton. 1,801,639; Apr. 21.
Projectile for small arms. O. Rinkel. 1,833,127; Nov. 24.
Projectile or long range tear gas shell, Gas containing. B. C. Goss. 1,819,090; Aug. 18.
Projectile provided with windshields. J. L. Cox and B. M. Fine. 1,829,212; Oct. 27.
Projectile shooter. P. Williams. 1,832,340; Nov. 17.
Projecting apparatus. J. H. Chidester. 1,794,147; Feb. 24.
Projecting apparatus. E. R. Wheeler. 1,811,770; June 23.
Projecting machine. A. Sapier. 1,816,234; July 28.
Projecting mechanism. G. Rouiller and J. Marion. 1,799,867; Apr. 7.
Projecting mechanism and gear staging device. R. W. Porter and R. O. Beardsley. 1,812,369; June 30.
Projectiles or the like, Contrivance or device for throwing. J. F. J. Reibel. 1,825,203; Sept. 29.
Projection and display rack, Folding. W. J. Burchett. 1,835,374; Dec. 8.

Projection apparatus, Cinematographic. M. Engelmann. 1,804,499; May 12.
Projection arrangement and support therefor, Combination. F. E. Halloran. Des. 85,177; Sept. 22.
Projection arrangement for advertising purposes. E. Moerch. 1,811,956; June 30.
Projection board for enlarging machines. J. H. Johnson. 1,814,390; July 14.
Projection printer. R. A. Webster. 1,808,274; June 2.
Projection surface particularly for use in connection with advertisements. R. Geyling and P. Planer. 1,798,078; Mar. 24.
Projection, Three dimensional. W. F. C. Bouchspies. 1,813,559; July 7.
Projections in broad daylight or in a lighted room, Device for making luminous. C. Parolini. 1,791,573; Feb. 10.
Projector. P. R. Bassett. 1,788,142; Jan. 6.
Projector for signaling devices. T. J. Scofield and G. A. White. 1,818,817; Aug. 11.
Projector for strip films. W. L. Patterson. 1,827,101; Oct. 13.
Proof press, Newspaper turtle. J. E. Lee. 1,822,301; Sept. 8.
Proof press, Printer's. C. A. Rayman. 1,833,261; Nov. 24.
Proofer. G. B. Eggert. 1,823,441; Sept. 15.
Prop, Adjustable. H. G. Schulstadt. 1,820,950; Sept. 1.
Prop, Adjustable clothesline. P. H. Shroyer. 1,811,281; June 23.
Prop, Clothes. H. G. Knoth. 1,817,568; Aug. 4.
Prop, Clothes. C. Sauer. 1,806,827; May 26.
Prop, Golf bag. J. Carlon. 1,808,724; June 2.
Prop, Mine. N. D. Levin. 1,818,633; Aug. 11.
Propeller. J. Bagel. 1,838,471; Dec. 29.
Propeller. C. B. Baughn. 1,834,888; Dec. 1.
Propeller. N. E. Blosser. 1,834,932; Dec. 8.
Propeller. F. W. Caldwell. 1,836,700; Dec. 15.
Propeller. N. S. Clay. 1,829,437; Oct. 27.
Propeller. E. W. Daniels. 1,829,982; Nov. 3.
Propeller. F. H. Davenport. 1,839,013; Dec. 29.
Propeller. F. De Narde. 1,802,808; Apr. 28.
Propeller. A. De Polo. 1,805,359; May 12.
Propeller. T. A. Dicks. 1,815,191–2; July 21.
Propeller. T. A. Dicks. 1,816,317; July 28.
Propeller. C. H. A. S. dos Santos Gallo. 1,822,867; Sept. 8.
Propeller. O. Fahlin. 1,808,888; June 9.
Propeller. F. A. Gill. 1,814,595; July 14.
Propeller. R. R. Gobereau and L. E. Maujole. 1,829,443; Oct. 27.
Propeller. S. Heath. 1,802,648; Apr. 28.
Propeller. H. Hull. 1,825,868; Oct. 6.
Propeller. G. B. Jackson. 1,825,401; Sept. 29.
Propeller. J. Koenig. 1,804,016; May 5.
Propeller. J. Koenig. 1,814,709; July 14.
Propeller. J. Koenig. 1,821,519; Sept. 1.
Propeller. E. R. Maison. 1,809,131; June 9.
Propeller. W. I. Miller. 1,814,175; July 14.
Propeller. G. Pemsl. 1,825,473; Sept. 29.
Propeller. J. F. Randall. 1,826,021; Oct. 6.
Propeller. W. Rosen. 1,838,453; Dec. 29.
Propeller. A. Rudeberg. 1,826,026; Oct. 6.
Propeller. W. H. Sargent. 1,826,957; Oct. 13.
Propeller. R. Schallert. 1,799,192; Apr. 7.
Propeller. H. F. W. Schleede. 1,796,540; Mar. 17.
Propeller. H. F. Schmidt. 1,828,258; Oct. 20.
Propeller. R. W. Schroeder. 1,834,350; Dec. 1.
Propeller. F. G. Sherer. 1,793,339; Feb. 17.
Propeller. J. Squires. 1,831,373; Nov. 10.
Propeller. J. Squires. 1,835,913; Dec. 8.
Propeller. K. F. Starz. 1,800,112; Apr. 7.
Propeller. W. P. van Lammeren. 1,812,814; June 30.
Propeller. J. W. Whitlock. 1,816,414; July 28.
Propeller, Adjustable. J. W. MacClatchie. 1,803,858; May 5.
Propeller, Adjustable. R. J. Wilson. 1,832,075; Nov. 17.
Propeller, Adjustable and reversible. S. P. Thomas. 1,832,335; Nov. 17.
Propeller, Aerial. J. F. Cook, jr. 1,801,725; Apr. 21.
Propeller, Aeronautical. R. B. Beisel. 1,832,275; Nov. 17.
Propeller, Aeronautical. A. F. Euchenhofer. 1,831,949; Nov. 17.
Propeller, Aeronautical. S. A. Reed. 1,804,433; May 12.
Propeller, Aeronautical. S. A. Reed. 1,831,394; Nov. 10.
Propeller, Aeronautical. S. A. Reed. 1,833,911; Dec. 1.
Propeller, Aeroplane. J. Liska. 1,820,467; Aug. 25.
Propeller, Aeroplane. R. W. Schroeder. 1,834,351; Dec 1.
Propeller, Aeroplane. C. R. Schultz. 1,790,844; Feb. 3.
Propeller, Aeroplane. W. R. Turnbull. 1,793,652; Feb. 24.
Propeller, Air. W. R. Turnbull. 1,793,654; Feb. 24.
Propeller, Aircraft. F. M. Covey. 1,835,933; Dec. 8.
Propeller and engine arrangement for aircraft. E. L. Hoffman. 1,793,933; Feb. 24.
Propeller and its prime mover on an aircraft, Mounting the. C. Fritz. 1,824,882; Sept. 29.
Propeller and making same, Aeronautical. S. A. Reed. 1,831,365; Nov. 10.
Propeller and making the same, Aeronautical. S. A. Reed. 1,804,434; May 12.
Propeller and making the same, Aeronautical. S. A. Reed. 1,836,989; Dec. 15.
Propeller attachment for boats. G. Neumann. 1,802,351; Apr. 28.
Propeller blade. R. L. A. Leparmentier. 1,833,843; Nov. 24.
Propeller blade end, Reenforced. T. A. Dicks. 1,835,023; Dec. 8.
Propeller blades, Adjusting mechanism for. A. Bolduc. 1,835,006; Dec. 8.
Propeller blades, Balancing. A. Nelson. 1,805,149; May 12.
Propeller control, Automatic. J. E. Carol. 1,810,159; June 16.
Propeller-control mechanism. E. G. McCauley. 1,799,828; Apr. 7.
Propeller efficiency and means thereof, Promoting. L. Costanievich. 1,837,896; Dec. 22.
Propeller for aeroplanes. A. Bocksruker. 1,797,068; Mar. 17.
Propeller for aeroplanes or other aircraft, Adjustable and reversible. R. F. Wooden. 1,806,325; May 19.
Propeller for aircraft. T. F. Hamilton. 1,817,556; Aug. 4.
Propeller for aircraft. L. Kaiser. 1,795,863; Mar. 10.
Propeller for aircraft, Winged screw. G. B. Anderson. 1,801,216; Apr. 14.
Propeller for dirigible balloons, Centrifugal. R. B. Ferreby. 1,827,225; Oct. 13.
Propeller for driving and stabilizing aircraft. A. C. Pereboom. 1,809,424; June 9.
Propeller for flying machines. O. Piampiano. 1,792,758; Feb. 17.
Propeller for helicopterous aircrafts. J. Mellander. 1,818,238; Aug. 11.
Propeller for submerging and steering subaqueous and floating vessels. U. Antoni. 1,838,519; Dec. 29.
Propeller for swimmers. L. R. Dorris. 1,827,308; Oct. 13.
Propeller, Lifting. J. M. Bunn. 1,794,277; Feb. 24.
Propeller mechanism. E. Cooper. 1,826,458; Oct. 6.
Propeller of a vessel. H. Buhren. 1,813,113; July 7.
Propeller, Out of water. F. Gebers. 1,808,032; June 2.
Propeller, Paddle wheel. F. Bruguiere. 1,820,866; Aug. 25.
Propeller push rod or tube and slide transmission. T. M. Finley. 1,800,614; Apr. 14.
Propeller, Rotary. F. A. E. Grumpelt. 1,824,667; Sept. 22.
Propeller, Rotary flexible. U. Antoni. 1,798,299; Mar. 31.
Propeller spinner for aircraft engines. B. G. Parsons. 1,812,831; June 30.
Propeller structure. P. G. and H. J. Bender. 1,835,372; Dec. 8.
Propeller, Tandem aeronautical. S. A. Reed. 1,831,366; Nov. 10.
Propeller turret for propulsion and steering of aeroships. S. E. Hitt. 1,838,258; Dec. 29.
Propeller, Variable pitch. A. F. Thomes. 1,833,059; Nov. 24.
Propeller, Variable-pitch. W. R. Turnbull. 1,793,653; Feb. 24.
Propeller, Variable-pitch. W. S. Williams. 1,788,263; Jan. 6.
Propeller with variable pitch. M. J-B. Barbarou. 1,825,768; Oct. 6.
Propeller with variable pitch. M. A. Blain. 1,790,532; Jan. 27.
Propeller, Yieldable. S. H. Lilly. 1,789,874; Jan. 20.
Propeller, Yielding. E. A. Marsh. 1,814,171; July 14.
Propellers, Heater for. W. Waters. 1,807,359; May 26.
Propellers, Metal tipping for. F. Charavay. 1,793,775; Feb. 24.
Propelling device for aircraft. V. Wisniewski. 1,791,079; Feb. 3.
Propelling device for aircraft and the like. W. Stelzer. 1,817,952; Aug. 11.
Propelling device for aircraft and the like. W. Stelzer. 1,821,450; Sept. 1.
Propelling device for use in marine propulsion on any kind of vessel. H. A. Hall. 1,799,133; Mar. 31.
Propelling device, Self. E. W. Schellentrager. 1,802,277; Apr. 21.
Propelling means, Vessel. A. L. Widdis. 1,787,844; Jan. 6.
Propelling mechanism. J. M. Handley. 1,800,524; Apr. 14.
Propelling mechanism. J. Piano. 1,807,254; May 26.
Propelling mechanism. J. Stechauner. 1,813,552; July 7.
Propelling mechanism for boats. E. H. Fahrney. 1,798,596; Mar. 31.
Propelling mechanism for traction operated machines. B. S. Ferguson. 1,815,839; July 21.
Propelling mechanism for rotatably adjustable machines. N. A. Wright. 1,836,056; Dec. 15.
Proportioning device. J. W. Parker, S. Crocker, and J. H. Walker. 1,792,757; Feb. 17.
Proportioning machines, Adjustment for. P. W. Yett. 1,834,670; Dec. 1.
Propulsion means for power shovels and the like. W. W. Sloane. 1,834,538; Dec. 1.
Propulsion mechanism. E. W. Hall. 1,824,016; Sept. 22.
Propulsion wheel. W. E. Aycock. 1,829,920; Nov. 3.
Prostatic retractor, Urethral sound and axis traction. J. T. Hunn. 1,798,124; Mar. 24.
Proteases, Activation of. A. Harteneck. 1,826,467; Oct. 6.
Protecting device. A. J. Blanchette. 1,800,050; Apr. 7.

Protecting device for alternating current three-phase motors. P. Gény. 1,825,518; Sept. 29.
Protecting device for curing alfalfa, grain, and the like. J. W. Connolly. 1,788,985; Jan. 13.
Protecting device for pipe coverings or the like. R. Sterling. 1,820,845; Aug. 25.
Protecting device for stamping presses. I. Newman. 1,797,239; Mar. 24.
Protecting means for frangible floats. L. Edelmann. 1,822,481; Sept. 8.
Protecting sheath for electric wires. J. Escol. 1,813,039; July 7.
Protection for electric lines or line systems. W. Gaarz, J. Sorge, and M. Schleicher. 1,824,476; Sept. 22.
Protective apparatus. J. Biermanns. 1,828,590; Oct. 20.
Protective apparatus. O. Mayr. 1,815,861; July 21.
Protective apparatus. C. L. Wetzel. 1,793,034; Feb. 17.
Protective apparatus. R. Wideröe and O. Mayr. 1,815,752; July 21.
Protective apparatus for athletes. D. Levinson. 1,803,335; May 5.
Protective apparatus for electrical systems. W. J. Brown. 1,831,338; Nov. 10.
Protective apparatus for rectifiers. E. Kern. 1,792,099; Feb. 10.
Protective arrangement. A. S. Fitz Gerald. 1,792,291; Feb. 10.
Protective arrangement. L. F. Kennedy. 1,831,568; Nov. 10.
Protective arrangement. F. J. Lane and R. D. Parry. 1,813,749; July 7.
Protective arrangement, Electric. R. W. Biles and E. W. M. Scott. 1,832,353; Nov. 17.
Protective cap for metallic fence posts. E. J. Paque. 1,798,753; Mar. 31.
Protective construction, River bed. O. V. Hough. 1,834,060; Dec. 1.
Protective device. H. V. Allen. 1,805,386; May 12.
Protective device. G. Friedl, jr., and A. Gastonguay. 1,832,293; Nov. 17.
Protective device. D. P. Loye. 1,799,174; Apr. 7.
Protective device. W. A. Smith. 1,821,677; Sept. 1.
Protective device. W. J. Stanton. 1,810,189; June 16.
Protective device. J. R. Thorp. 1,816,267; July 28.
Protecting device. S. B. Whittier. 1,814,273; July 14.
Protective device. H. H. Zabriskie and N. A. Gussack. 1,834,757; Dec. 1.
Protective device, Electrical. H. E. Butler. 1,809,673; June 9.
Protective device, Electrical. E. A. Hester. 1,817,486; Aug. 4.
Protective device for alternating polyphase systems of distribution. J. Volkmann. 1,805,934; May 19.
Protective device for automobiles. C. A. Welling. 1,793,033; Feb. 17.
Protective device for bank cashiers' or tellers' windows. M. Socha. 1,830,447; Nov. 3.
Protective device for electrical devices. I. H. Van Horn and W. A. Pipkin. 1,797,031; Mar. 17.
Protective device for induction motors. C. MacMillan. 1,805,492; May 19.
Protective device for multi-phase motors. P. Suter. 1,822,713; Sept. 8.
Protective device for polyphase alternating current circuits, Phase failure and phase reverse. W. C. Stevens. 1,826,099; Oct. 6.
Protective device, Network. J. B. MacNeill. 1,798,691; Mar. 31.
Protective device, Phase failure and phase reversal. E. J. Posselt. 1,823,211; Sept. 15.
Protective devices, Combined electro-magnetic and thermo-responsive. G. A. Burnham. 1,802,804; Apr. 28.
Protective hood for oil and gas wells. C. S. Howe. 1,830,061; Nov. 3.
Protective means for polyphase circuits. A. Simon. 1,799,932; Apr. 7.
Protective means for railway vehicle motors. C. C. Whittaker. 1,824,855; Sept. 29.
Protective means for sound reproducers. K. B. Austin. 1,814,817; July 14.
Protective means, Hatband. J. C. Morgan. 1,808,966; June 9.
Protective mediums, Apparatus and method for testing the effectiveness of. W. O. Snelling. 1,811,765; June 23.
Protective regulating means for alternating current rectifier. W. W. Brown. 1,808,522; June 2.
Protective relay system. J. F. Peters. 1,831,636; Nov. 10.
Protective shield for incandescent lamps. C. Whitman. 1,809,878; June 16.
Protective structure for cashier and teller windows. F. Davis. 1,804,677; May 12.
Protective system. L. N. Crichton. 1,837,761; Dec. 22.
Protective system. F. W. Gay. 1,816,838; Aug. 4.
Protective system. L. R. Ludwig. 1,798,690; Mar. 31.
Protective system. R. Rüdenberg. 1,817,526; Aug. 4.
Protective system and apparatus. G. A. Burnham. 1,798,365; Mar. 31.
Protective system and apparatus therefor, Electric. L. E. King. 1,792,310; Feb. 10.
Protective system for alternating current commutator motors. J. I. Hull. 1,814,809; July 14.
Protective system for electrical machinery and apparatus, Differential. I. Herlitz. 1,815,712; July 21.
Protective system for more than two parallel feeders, Selective. R. Völzing. 1,793,530; Feb. 24.
Protective system for transformers. F. W. Gay. 1,809,895; June 16.
Protective system, High frequency supply. L. R. Ludwig. 1,831,420; Nov. 10.
Protector. W. H. H. Davis. 1,820,783; Aug. 25.
Protector. H. Josephs. 1,838,487; Dec. 29.
Protector, Accelerator heat. J. B. Rouse. 1,810,625; June 16.
Protector, Adjustable trousers. M. S. Lawrence. 1,828,572; Oct. 20.
Protector and advertising novelty, Hose. N. G. Netherland. 1,824,832; Sept. 29.
Protector, Automobile door. L. F. Winne. 1,810,510; June 16.
Protector, Banana. S. W. Partridge. 1,838,702; Dec. 29.
Protector, Blow distributing athletic. J. P. Taylor. 1,830,572; Nov. 3.
Protector, Book-cover. M. Kronfeld. 1,793,232; Feb. 17.
Protector, Brake cylinder. E. G. Bell. 1,822,722; Sept. 8.
Protector, Collar. R. F. T. Wilke. 1,832,339; Nov. 17.
Protector, Collar, tubing and casing. N. L. Dorn and W. A. Clark. 1,810,948; June 23.
Protector device for safes. C. F. Wolters and C. Shulte. 1,837,247; Dec. 22.
Protector, Document. I. H. Wilsey. 1,790,452; Jan. 27.
Protector, Dress. S. H. Blauner. 1,822,267; Sept. 8.
Protector, Dress. H. G. Tisdall. 1,838,013; Dec. 22.
Protector, Electric meter. A. H. Grosz. 1,826,775; Oct. 13.
Protector, Eye. N. M. Baker. 1,838,649; Dec. 29.
Protector, Face and head. R. Malcom. 1,820,237; Aug. 25.
Protector, Fan. E. K. Cook. 1,809,583; June 9.
Protector, Fireplace. S. C. Knudson. 1,830,364; Nov. 3.
Protector, Flange. P. J. Shrum. 1,815,957; July 28.
Protector, Foot. M. Le Dorf. 1,830,471; Nov. 3.
Protector for containers. A. L. Foreman. 1,790,299; Jan. 27.
Protector for cylinders and the like, Graduated. P. W. Wagenseller. 1,832,436; Nov. 17.
Protector for gas meters. L. N. Lambert. 1,801,164; Apr. 14.
Protector for inlet of air-blast generators. F. F. Balusek. 1,799,144; Apr. 7.
Protector for loose leaf binders. E. B. Murphy. 1,818,999; Aug. 18.
Protector for shoes, Heel. T. Waugh. 1,832,268; Nov. 17.
Protector for pens, Check. H. S. Heineman. 1,829,928; Nov. 3.
Protector for pipe ends. H. R. Mazurie. 1,837,169; Dec. 15.
Protector for shoulders. C. E. Sparhawk. 1,837,499; Dec. 22.
Protector for the collars of shirts. R. C. Sutton, jr. 1,788,444; Jan. 13.
Protector for use inside boots and shoes, Heel. P. M. Tennick. 1,796,225; Mar. 10.
Protector for vault ventilators. O. B. McClintock. 1,814,839; July 14.
Protector, Garment. J. David. 1,800,606; Apr. 14.
Protector, Garment. L. E. La Bombard and M. H. Sidebotham. 1,803,712; May 5.
Protector, Garment. B. J. Sachs. 1,796,625; Mar. 17.
Protector, Gauge. D. E. Ailman. 1,828,093; Oct. 20.
Protector, Hat. J. Fleischman. 1,800,933; Apr. 14.
Protector, Hat. E. F. Miller. 1,831,680; Nov. 10.
Protector, Hat. L. R. Paul. 1,802,064; Apr. 21.
Protector, Heel. J. J. Destro. 1,828,246; Oct. 20.
Protector, Heel. C. Ramey. 1,830,912; Nov. 10.
Protector, Hitch and tire. M. T. Jones. 1,830,467; Nov. 3.
Protector, Hold up. H. A. Shine. 1,811,978; June 30.
Protector, Hood corner. J. F. Duffy. 1,823,647; Sept. 15.
Protector, Hose. F. W. Huntman and A. M. Huntman. 1,792,539; Feb. 17.
Protector, Hose. L. L. Lyons. 1,820,623; Aug. 25.
Protector, Hosiery. J. Draikin. 1,827,423; Oct. 13.
Protector, Hosiery. C. J. Smith. 1,828,081; Oct. 20.
Protector, Inner tube. E. Eger. 1,822,568; Sept. 8.
Protector, Journal-bearing. G. H. Gunnell. 1,789,546; Jan. 20.
Protector, Journal-bearing. L. M. Miller. Re17,972; Feb. 17.
Protector, Knee. R. C. Bassett. 1,796,234; Mar. 10.
Protector, Knee. C. T. Swenson. 1,792,048; Feb. 10.
Protector, Lineman's. P. G. Briney. 1,836,572; Dec. 15.
Protector, Mothkiller hygienic garment. B. S. Donovan. 1,829,854; Nov. 3.
Protector, Moth killer hygienic garment. B. S. Donovan. 1,825,144; Sept. 29.
Protector, Network. G. G. Grissinger. 1,798,667; Mar. 31.
Protector, Paint brush. O. F. Berg. 1,834,374; Dec. 1.
Protector, Pen-point. L. Englander. 1,793,450; Feb. 17.
Protector, Pipe coupling thread. H. J. Burnish. 1,806,932; May 26.
Protector, Pipe thread. P. E. Hunter. 1,820,140; Aug. 25.
Protector, Plant. W. T. Davis. 1,828,031; Oct. 20.
Protector, Railroad switch. H. B. Dale. 1,802,406; Apr. 28.

Protector, Railroad tie. J. Pugel. 1,837,370; Dec. 22.
Protector, Rubber cushion arch. J. E. Stagl. 1,792,938; Feb. 17.
Protector, Safety elevated bank and vault. W. Gillis. 1,826,464; Oct. 6.
Protector, Safety-watch-pocket. L. Jurgielewicz. 1,838,407; Dec. 29.
Protector, Sanitary. J. J. Vasse. 1,801,030; Apr. 14.
Protector, Shoe. A. Raposy. 1,832,736; Nov. 17.
Protector, Shoe and ankle. F. Sawyer. 1,820,679; Aug. 25.
Protector, Smoker's table. E. J. Grinwald. 1,818,617; Aug. 11.
Protector, Spectacle. J. Housley. 1,806,464; May 19.
Protector, Stocking. L. J. Bailer. 1,796,822; Mar. 17.
Protector, Stocking. A. L. Crocker. 1,835,695; Dec. 8.
Protector, Stocking. J. A. Guarino. 1,791,357; Feb. 3.
Protector, Stocking. C. A. Hansen. Des. 84,034; Apr. 28.
Protector, Telephone. J. S. Baker. 1,800,978; Apr. 14.
Protector. Telephone mouthpiece. A. M. Gluck. 1,833,643; Nov. 24.
Protector, Thread. E. R. and P. S. Brown. Des. 18,184; Sept. 8.
Protector, Triple valve. L. Aguiar y Rivero. 1,833,796; Nov. 24.
Protector, Vent. H. E. Lake. 1,815,920; July 28.
Protector, Window shade. J. M. Gribbens. 1,838,759; Dec. 29.
Protector, Wire-line. S. E. Carney. 1,794,278; Feb. 24.
Protectors, Device for forming plant. R. N. Moore. 1,822,818; Sept. 8.
Protein matter from liquids containing the same, Recovery of. R. S. Oppenheim. 1,815,160; July 21.
Protein products and using the same, Hydrolyzed. C. N. Frey. 1,794,370; Mar. 3.
Protein products, Production of. W. B. Westcott. 1,804,042; May 5.
Protractor. G. H. Dingman. 1,823,931; Sept. 22.
Protractor. R. J. Ethridge. 1,820,128; Aug. 25.
Protractor and scale, Combination. F. C. Moore. 1,803,200; Apr. 28.
Provision box. J. R. Klin. 1,813,298; July 7.
Pruner, fruit picker, and weeder. B. E. Tilden. 1,823,672; Sept. 15.
Pruning device, Electrical. L. O. B. Lindstrom. 1,793,859; Feb. 24.
Prying device. H. H. Rugg and R. E. Shotwell. 1,798,705; Mar. 31.
Psychrometric device. E. V. Hill. 1,808,351; June 2.
Puddling device. W. J. Fiegel and W. S. Enderich. 1,787,621; Jan. 6.
Puff, Powder. J. Jacobs. Des. 85,828; Dec. 22.
Pull rod clamp. M. T. Archer. 1,822,642; Sept. 8.
Pull-rod clamp. R. F. Hill. 1,801,235; Apr. 14.
Pull shovel. P. Burke. 1,805,479; May 19.
Puller: *See*—

Battery cell puller.	Pneumatic car puller.
Battery-terminal puller.	Slack puller.
Bearing puller.	Spike puller.
Bushing puller.	Staple puller.
Car puller.	Stub axle puller.
Cotter pin puller.	Tire puller
Cotton key puller.	Undershirt puller.
Fish tape puller.	Valve-seat puller.
Gear puller.	Weed puller.
Liner puller.	Wheel puller.
Pipe puller.	

Puller. G. W. Grebenstein. 1,802,012; Apr. 21.
Puller. J. O. Huxford. 1,818,399; Aug. 11.
Pulley. A. J. Chattillion. 1,838,905; Dec. 29.
Pulley. A. L. Freedlander. 1,818,798; Aug. 11.
Pulley. A. L. Freedlander. 1,828,136; Oct. 20.
Pulley. C. R. Griffith. 1,793,927; Feb. 24.
Pulley. F. Meyer. 1,832,871; Nov. 24.
Pulley. T. Robins. 1,803,357; May 5.
Pulley and the like, Awning. G. W. Hawkins. 1,796,328; Mar. 17.
Pulley, Automatic expanding belt. F. P. Connors. 1,822,584; Sept. 8.
Pulley, Belt. A. Rosenthal. 1,831,367; Nov. 10.
Pulley block. C. A. Johansson. 1,798,844; Mar. 31.
Pulley block. C. W. A. Taylor. 1,799,935; Apr. 7.
Pulley, Clothes line. G. W. Rumbaugh. 1,821,448; Sept. 1.
Pulley, Clutch. C. and A. Rosenthal. 1,831,395; Nov. 10.
Pulley construction, Safety. C. Dubuque. 1,787,516; Jan. 6.
Pulley, Double. E. Schultz. 1,800,664; Apr. 14.
Pulley, Dual-ball. A. F. O. Kaiser. 1,790,752; Feb. 3.
Pulley, Expanding. W. B. Meglitz. 1,838,104; Dec. 29.
Pulley, Floating motor. W. D. Collins and E. Widerborg. 1,800,718; Apr. 14.
Pulley for ropes or chains provided with gripping jaws, Driving. A. Schurig. 1,835,972; Dec. 8.
Pulley, Guide. A. R. Pribil. 1,813,950; July 14.
Pulley, Lubricating. L. W. Statler and J. E. Hovermale. 1,791,008; Feb. 3.
Pulley mechanism, Idler. H. F. Arnold. 1,802,549; Apr. 28.
Pulley mechanism, Reverse clutch. E. E. Greve. 1,835,565; Dec. 8.
Pulley, Sash. G. W. Aldeen. 1,819,315; Aug. 18.
Pulley, Sash. E. W. North. 1,819,334; Aug. 18.
Pulley, Sash. W. C. Whitworth. 1,794,746; Mar. 3.
Pulley, Solid pressed steel. N. Barry. 1,815,663; July 21.
Pulley, Speed reducing. A. C. Christensen. 1,836,225; Dec. 15.
Pulley transmission adjustment. L. P. Everroad. 1,792,215; Feb. 10.
Pulley, Window. B. E. Bartholomew. 1,806,605; May 26.
Pulling implement. L. Haubert. 1,813,447; July 7.
Pulling over machine. B. Jorgensen. 1,821,162; Sept. 1.
Pulling-over machine. W. T. B. Roberts. 1,797,298; Mar. 24.
Pulling-over machine. K. Wollny. 1,798,291; Mar. 31.
Pulling-over machine. K. Wollny. 1,799,996; Apr. 7.
Pulling-over machines, Fastener-feeding mechanism for. K. Wollny. 1,798,292; Mar. 31.
Pulp and making the same, Filled. H. R. Rafton. 1,812,832; June 30.
Pulp and paper from resinous woods, Manufacture of. L. Bradley and E. P. McKeefe. 1,830,421; Nov. 3.
Pulp and paper, Manufacture of. L. M. Booth. 1,813,658; July 7.
Pulp and producing same, Kraft-simulating. G. A. Richter. 1,792,510; Feb. 17.
Pulp and product of same, Processing of. G. A. Richter and M. O. Schur. 1,833,976; Dec. 1.
Pulp and product of same, Treatment of. G. A. Richter and M. O. Schur. 1,806,309; May 19.
Pulp and the like, Bleaching paper. J. Neumann. 1,799,601; Apr. 7.
Pulp and treatment of residual liquors, Producing. L. Bradley and E. P. McKeefe. 1,834,676; Dec. 1.
Pulp, Apparatus for washing. O. Mantius. 1,788,840; Jan. 13.
Pulp articles, Manufacture of. M. O. Schur. 1,803,410; May 5.
Pulp beating or refining machine. T. D. Nuttall. 1,814,452; July 14.
Pulp, Bleaching cellulose. J. Schuber. 1,820,502; Aug. 25.
Pulp, Composition for treating. J. F. King. 1,822,779; Sept. 8.
Pulp digester, Directly heated. E. Morterud. 1,807,544; May 26.
Pulp digester with forced circulation. E. Morterud. 1,837,985; Dec. 22.
Pulp digester with interior circulation. E. Morterud. 1,802,266; Apr. 21.
Pulp, etc., Production of. L. Bradley and E. P. McKeefe. 1,830,461; Nov. 3.
Pulp, etc., Production of chemical. L. Bradley. 1,795,754; Mar. 10.
Pulp-feeding device. H. E. Holcomb. 1,801,004; Apr. 14.
Pulp for high grade paper manufacture, White wood. G. A. Richter. 1,809,287; June 9.
Pulp for paper making, Manufacture of a resistant. J. D. Rue. 1,798,987; Mar. 31.
Pulp from Douglas fir and other resinous conifers, Making sulphite. H. K. Benson. 1,805,799; May 19.
Pulp grinding, Controlling the operation in. C. D. De Mers. 1,806,238; May 19.
Pulp, Manufacture of sulphite paper. A. M. Thomsen. 1,823,519; Sept. 15.
Pulp, Method and apparatus for refining. G. H. Carnahan. 1,827,279; Oct. 13.
Pulp, Method and apparatus for treating. G. H. Carnahan. 1,827,280; Oct. 13.
Pulp, Method and machine for making articles of. E. L. Perry. 1,822,058; Sept. 8.
Pulp, Method of and apparatus for the chemical treatment of. C. R. Van de Carr, jr. 1,818,913; Aug. 11.
Pulp-molding machine. M. P. Chaplin. 1,788,944; Jan. 13.
Pulp molding machine. M. P. Chaplin. 1,804,203; May 5.
Pulp molding machine. M. P. Chaplin. 1,838,904; Dec 29.
Pulp of high alpha cellulose content, Producing wood. G. A. Richter and M. O. Schur. 1,809,312; June 9.
Pulp of high alpha cellulose content, Production of. G. A. Richter. 1,819,002; Aug 18.
Pulp of high whiteness and strength and producing same. G. A. Richter. 1,809,286; June 9.
Pulp or cellulose, Manufacturing chemical. D. E. Cable. 1,790,260; Jan. 27.
Pulp, Preparation of high alpha cellulosic. E. R. Darling. 1,838,367; Dec. 29.
Pulp, Preparing ground wood. R. S. Hatch, R. B. Wolf, and R. P. Hill. 1,794,174; Feb. 24.
Pulp, Producing. J. M. Estapé. 1,817,548; Aug. 4.
Pulp, Producing. E. H. Hussey. 1,795,603; Mar. 10.
Pulp, Producing puffed. J. E. Plumstead. 1,830,131; Nov. 3.
Pulp, Production of. L. Bradley. 1,795,758; Mar. 10.
Pulp refining apparatus. F. H. Daniels. 1,814,587; July 14.
Pulp screen. H. D. Wells. 1,834,298; Dec. 1.
Pulp stock, Disintegrating. H. Liebeck. 1,815,308; July 21.
Pulp storing and mixing machine. C. B. Thorne. 1,819,531; Aug. 18.
Pulp streams, Apparatus and method for operating on. W. Thaler. 1,832,882; Nov. 24.
Pulp suitable for the manufacture of paper without addition of cellulose, Making white and bleached wood. E. Elgérus. 1,811,783; June 23.
Pulp, Washing. O. Mantius. 1,790,714; Feb. 3.

Pulp web of high absorptivity and making same. G. A. Richter. 1,790,839; Feb. 3.
Pulping, Process and apparatus for. G. S. Witham, jr. 1,831,642; Nov. 10.
Pulping tissues by a volatile base. R. M. Hixon, C. J. Peterson, and C. H. Werkman. 1,802,715; Apr. 28.
Pulps, Method and apparatus for spraying fluid. N. C. Christensen. 1,803,792; May 5.
Pulsation control. L. L. E. Crowe. 1,804,321; May 5.
Pulsator. A. St. Hansen. 1,814,918; July 14.
Pulsator. H. McCornack. 1,829,907; Nov. 3.
Pulsator. J. A. Schmitt. 1,827,405; Oct. 13.
Pulsator and the like. G. C. Crangle. 1,789,516; Jan. 20.
Pulsator for milking machines. A. F. Plint. 1,821,986; Sept. 8.
Pulverized fuel furnace. A. Runkwitz. 1,808,120; June 2.
Pulverized materials in large masses, Rendering homogeneous finely. M. Lepersonne and E. Hastert. 1,806,068; May 19.
Pulverizer. A. J. Briggs. 1,801,842; Apr. 21.
Pulverizer. B. Creviston. 1,833,870; Nov. 24.
Pulverizer. A. C. Danks. 1,788,825; Jan. 13.
Pulverizer. O. A. Kreutzberg. 1,806,980; May 26.
Pulverizer. C. R. Taylor. 1,796,545; Mar. 17.
Pulverizer and separator. G. H. Fraser. 1,834,094; Dec. 1.
Pulverizer, Double roller. H. S. Dickinson. 1,805,718; May 19.
Pulverizer mill. H. R. Carr. 1,833,560; Nov. 24.
Pulverizer, Soil. C. A. Stoltz, and A. and A. Krastin. 1,837,595; Dec. 22.
Pulverizing apparatus. R. S. Riley and O. Craig. 1,811,438; June 23.
Pulverizing devices, Making. V. G. Honstain. 1,787,526; Jan. 6.
Pulverizing material, Process and apparatus for. M. D. Jones. 1,822,221; Sept. 8.
Pulverizing mill. C. Peters. 1,822,999; Sept. 15.
Pulverizing mill. I. F. Pfeiffer. 1,821,912; Sept. 1.
Pulverizing or disintegrating equipment. W. C. S. Graham. 1,806,249; May 19.
Pulverulent preparation for the production of a rinsing liquid for the after treatment of washed animal fibers, woolen or silken fabrics, and especially the hair of the head. K. Schwarzkopf. 1,811,809; June 23.
Pump. A. C. Andreason. Re18,167; Aug. 25.
Pump. A. B. Antisell. 1,832,890; Nov. 24.
Pump. J. T. Bilderbeck. 1,820,266; Aug. 25.
Pump. G. W. Bledsoe, W. S. Lloyd, and C. D. Yencer. 1,808,745; June 9.
Pump. H. T. Brown. 1,798,782; Mar. 31.
Pump. J. H. Brown. 1,812,034; June 30.
Pump. D. J. Conant. 1,798,787; Mar. 31.
Pump. C. D. Cook. 1,832,619; Nov. 17.
Pump. C. D. Cook and J. R. Townsend. 1,832,620; Nov. 17.
Pump. J. W. Des Champs. 1,816,316; July 28.
Pump. F. Dietz. 1,831,411; Nov. 10.
Pump. W. Ferris and J. P. Ferris. 1,798,198; Mar. 31.
Pump. J. W. Gardner. 1,805,542; May 19.
Pump. A. J. Gilbert. 1,804,604; May 12.
Pump. W. C. Heath and F. G. Hobart. 1,821,216; Sept. 1.
Pump. G. A. Helmling. 1,808,985; June 9.
Pump. E. A. Hobart. 1,813,998; July 14.
Pump. F. G. Hobart. 1,801,082; Apr. 14.
Pump. W. H. Hoddless. 1,816,931; Aug. 4.
Pump. H. Hueber. 1,820,883; Aug. 25.
Pump. E. Juelson. 1,818,259; Aug. 11.
Pump. L. B. Kapp. 1,825,318; Sept. 29.
Pump. W. H. Marsh. Des. 85,882; Dec. 29.
Pump. L. C. Matthews. 1,796,935; Mar. 17.
Pump. J. O. McMillan. 1,796,298; Mar. 17.
Pump. A. C. Nelson. 1,802,827; Apr. 28.
Pump. K. T. and A. J. Penick. 1,787,874; Jan. 6.
Pump. L. M. Persons. 1,832,788; Nov. 17.
Pump. L. M. Persons. 1,838,443; Dec. 29.
Pump. J. V. Petrelli. 1,818,097; Aug. 11.
Pump. W. H. Reeves. 1,795,097; Mar. 3.
Pump. L. E. Rush. 1,829,759; Nov. 3.
Pump. W. N. Squires. 1,805,788; May 19.
Pump. C. D. Stephens. 1,832,257–9; Nov. 17.
Pump. W. E. Stevenson. 1,818,171; Aug. 11.
Pump. B. M. A. Trebes. 1,796,814; Mar. 17.
Pump. T. D. Ulrich. 1,831,695; Nov. 10.
Pump. C. W. Van Ranst. 1,789,611; Jan. 20.
Pump. C. Warner and H. G. Fisher. 1,813,104; July 7.
Pump. I. A. Weaver. 1,817,659; Aug. 4.
Pump. W. H. Zorn. 1,806,658; May 26.
Pump, Air. S. Silvers. 1,821,900; Sept. 1.
Pump, Air. L. Spira. 1,831,756; Nov. 10.
Pump, Air lift. G. Blow. 1,811,295; June 23.
Pump and automatic balancing means therefor, Twin-screw. W. S. Holdaway. 1,792,839; Feb. 17.
Pump and bailer, Combination sand. C. F. Rigby. 1,832,323; Nov. 17.
Pump and fuel feed valve for internal combustion engines, Combined fuel measuring. V. R. Petty. 1,811,731; June 23.
Pump and power reverse support, Air. H. Glaenzer. 1,824,666; Sept. 22.
Pump and prime mover, Internal combustion. S. P. Christie. 1,824,074; Sept. 22.
Pump and pump construction and operation. F. G. Hobart. 1,821,218; Sept. 1.
Pump and separator, Oil. R. Birmann. 1,832,445; Nov. 17.
Pump and system, Deep well. W. A. Loomis and S. E. Burton. 1,811,948; June 30.
Pump and tank, Vacuum. R. Buslaff and H. L. Engels. 1,788,907; Jan. 13.
Pump and the like, Filtering. C. A. Winslow. 1,821,535; Sept. 1.
Pump and the like, Turbine. J. T. Wade. 1,829,122; Oct. 27.
Pump and valve structure. A. W. Kegler. 1,834,543; Dec. 1.
Pump apparatus, Well. C. E. Backus and D. G. Williamson. 1,804,077; May 5.
Pump assembly. W. Blaskewitz. 1,789,998; Jan. 27.
Pump attachment for automobiles. O. L. Whitehead. 1,820,855; Aug. 25.
Pump, Automatic. A. E. Wilson. 1,804,192; May 5.
Pump barrel and sealing means, Inserted. J. A. Yerkes and R. H. Lemmon. 1,798,295; Mar. 31.
Pump, Centrifugal. R. H. Frederick. 1,805,765; May 19.
Pump, Centrifugal. O. Jacobsen. 1,839,032; Dec. 29.
Pump, Centrifugal. J. Kirgan. 1,813,747; July 7.
Pump, Centrifugal. J. Kirgan. 1,823,455; Sept. 15.
Pump, Centrifugal. J. W. Macmeeken. 1,837,873; Dec. 22.
Pump, Centrifugal. A. F. Sherzer. 1,812,309; June 30.
Pump, Centrifugal. J. H. Stewart. 1,804,846; May 12.
Pump, Coin controlled gasoline. C. F. Overpeck and F. M. Allen. 1,829,534; Oct. 27.
Pump, Compressed air operated. W. S. Hulse. 1,826,175; Oct. 6.
Pump, Compressor. H. W. Dyer. 1,787,974; Jan. 6.
Pump, compressor, or measuring device, Rotary. C. O. J. Montelius. 1,821,523; Sept. 1.
Pump, Continuous circulating. C. F. Davis. 1,807,392; May 26.
Pump control means, Automatic. M. Nyrop. 1,813,078; July 7.
Pump, Cylinder. A. Bohnenblust. 1,830,258; Nov. 3.
Pump cylinder, Double acting. A. Bohnenblust. 1,830,257; Nov. 3.
Pump, Deep-well. H. F. Benson. 1,796,702; Mar. 17.
Pump, Deep well. F. C. Kniss and R. N. Vickers. 1,807,741; June 2.
Pump, Deep well. J. E. Shutt. 1,812,667; June 30.
Pump, Deep well. W. N. Squires. 1,805,024; May 12.
Pump, Deep well. W. N. Squires. 1,805,441; May 12.
Pump, Deep well. J. C. Vroman. 1,809,321; June 9.
Pump, Deep well. C. B. Yount. 1,814,070; July 14.
Pump, Deep-well fluid-actuated. P. H. Granger. 1,793,793; Feb. 24.
Pump, Deep well fluid motor. C. J. Coberly. 1,828,857; Oct. 27.
Pump, Deep well oil turbine. G. E. Bigelow. 1,818,455; Aug. 11.
Pump, Diaphragm. W. C. Carter. 1,802,136; Apr. 21.
Pump, Diaphragm. J. V. N. Dorr. 1,791,615; Feb. 10.
Pump, Diaphragm. D. D. Myers. 1,792,920; Feb. 17.
Pump, Diaphragm fuel. J. L. L. A. A. Moulet. Re18,112; June 23.
Pump, Dispensing. C. Schock. 1,829,240; Oct. 27.
Pump, Double acting. E. N. Ove. 1,811,557; June 23.
Pump, Double acting centrifugal. J. Preleuthner. 1,819,118; Aug. 18.
Pump, Double acting water. J. J. Smith. 1,802,070; Apr. 21.
Pump, Dual-pressure. V. L. Ward. 1,793,978; Feb. 24.
Pump, Duplex and multiple action plunger. W. E. Splain. 1,790,728; Feb. 3.
Pump, Electric. H. H. Cobe. 1,804,375; May 5.
Pump. Electrically operated fuel. W. C. Carter. 1,819,591; Aug. 18.
Pump. Electrically operated metal. H. A. W. Wood. 1,805,272; May 12.
Pump, Electromagnetic. A. A. La Pointe. 1,790,547; Jan. 27.
Pump, Electromagnetic fuel. P. S. Tice. 1,837,505; Dec. 22.
Pump, Embalming. J. Rocciola. 1,814,189; July 14.
Pump, Engine-operated fuel. W. H. Muzzy. 1,799,434; Apr. 7.
Pump equipment. Well. J. E. Roark. 1,801,209; Apr. 14.
Pump, Evacuating. E. Kobel. 1,822,702; Sept. 8.
Pump, Fluid. K. E. Ahlberg. 1,797,491; Mar. 24.
Pump, Fluid. C. W. Lambert. 1,798,209; Mar. 31.
Pump, Fluid displacement. E. F. McCarthy. 1,823,459; Sept. 15.
Pump, Fluid-operated. P. F. Yungling. 1,819,351; Aug. 18.
Pump. Fluid pressure actuated well. A. G. Gage. 1,836,585; Dec. 15.
Pump for automotive vehicles, Tire. A. Gravelle. 1,802,466; Apr. 28.
Pump for engines having a plurality of injection valves in the cylinder, Fuel. H. Becker. 1,836,435; Dec. 15.
Pump for internal-combustion engines. A. Moorhouse. 1,794,088; Feb. 24.
Pump for internal-combustion engines, Fuel. L. H. Wheeler. 1,788,647; Jan. 13.
Pump for internal-combustion engines, Fuel-distributing. J. W. Onions. 1,791,600; Feb. 10.
Pump for internal combustion engines, Liquid. J. Benes. 1,819,015; Aug. 18.

Pump for internal combustion engines, Liquid fuel. J. Benes. 1,831,699; Nov. 10.
Pump for internal combustion engines, Liquid fuel supply. J. C. Snodgrass. 1,832,589; Nov. 17.
Pump for internal combustion engines of the self ignition type, Fuel supplying and injecting. J. C. Groff. 1,837,813; Dec. 22.
Pump for internal-combustion engines, Scavenge. W. S. Burn. 1,798,010; Mar. 24.
Pump for liquids. G. Schongüt. 1,822,242; Sept. 8.
Pump for liquids, Liquid piston internal combustion. S. P. Christie. 1,825,507; Sept. 29.
Pump for lubricating systems and the like. T. W. Hallerberg. 1,829,042; Oct. 27.
Pump for oil burners. F. Fischer and G. Sivertsen. 1,796,195; Mar. 10.
Pump for oil burners, Gear. F. Fischer and G. Sivertsen. 1,790,371; Jan. 27.
Pump for outboard motors, Cooling system. C. La Grange. 1,819,822; Aug. 18.
Pump for pressure fuel tanks, Air. L. S. Chadwick. 1,805,757; May 19.
Pump for refrigerating apparatus. H. B. Hull. 1,838,259; Dec. 29.
Pump for refrigerating apparatus. O. M. Summers. 1,789,395–6; Jan. 20.
Pump for refrigerating apparatus. O. M. Summers. 1,801,395; Apr. 21.
Pump for spinning liquid such as viscose. G. Nemetz. 1,809,489; June 9.
Pump, Fuel. M. O. Darby and A. A. Sidney. 1,824,467; Sept. 22.
Pump, Fuel. J. C. Holz and G. B. Trost. 1,834,947; Dec. 8.
Pump, Fuel. F. N. Nutt. 1,788,886; Jan. 13.
Pump, Fuel. W. H. Schulze. 1,806,268; May 19.
Pump, Fuel booster. C. C. Bradbury. 1,814,120; July 14.
Pump, Gas. C. G. Smith. 1,806,369; May 19.
Pump, Gas. C. G. Smith. 1,815,121; July 21.
Pump, Gas lift. J. H. Slocum. 1,791,513; Feb. 10.
Pump, Gasoline. G. S. Voorhees. 1,791,987; Feb. 10.
Pump, Gasoline. A. H. Zoller. 1,837,513; Dec. 22.
Pump, Gear. G. R. Hargis. 1,823,098; Sept. 15.
Pump, Gear. R. S. Whaley. 1,834,754; Dec. 1.
Pump-governor-control means. M. J. Goldberg. 1,790,912; Feb. 3.
Pump head, High pressure. J. A. Wintroath. 1,810,333; June 16.
Pump, High vacuum molecular. E. H. Norinder. 1,810,083; June 16.
Pump, Hydraulic. W. Andersson. 1,798,646; Mar. 31.
Pump, Hydraulic. P. O. Ott. 1,819,689; Aug. 18.
Pump, Hydraulic. W. N. Squires. 1,832,667–8; Nov. 17.
Pump, Hydraulic double-acting. C. Gamer. 1,790,982; Feb. 3.
Pump hydraulic system, Three. H. Ernst and L. F. Nenninger. 1,835,979; Dec. 8.
Pump, Hydroturbine. I. C. Jennings. 1,797,980; Mar. 24.
Pump, Inertia operated. T. Earle. 1,814,742; July 14.
Pump, Injection. O. Baur. 1,831,649; Nov. 10.
Pump, Internal-combustion. A. Arutunoff. 1,796,425; Mar. 17.
Pump jack. A. Clacson. 1,794,443; Mar. 3.
Pump jack. T. J. Stebbins. 1,800,232; Apr. 14.
Pump-jack construction. T. M. Tuttle. 1,793,570; Feb. 24.
Pump liner and packing therefor. E. L. Rick. 1,837,675; Dec. 22.
Pump, Liquid. R. S. Bassett. 1,816,821; Aug. 4.
Pump, Liquid. C. Brown. 1,804,524; May 12.
Pump, Liquid-dispensing. W. T. Hatmaker. 1,788,236; Jan. 6.
Pump, Liquid dispensing. T. H. Schutt. 1,809,814; June 9.
Pump, Liquid fuel. C. L. Stokes. 1,836,344; Dec. 15.
Pump, Liquid sealed. W. H. Muzzy. 1,801,447; Apr. 21.
Pump lubricator, Well. A. C. Carson. 1,801,304; Apr. 21.
Pump, Measuring. A. Lanser. 1,823,658; Sept. 15.
Pump, Measuring. H. Renaud. 1,831,753; Nov. 10.
Pump, Measuring. H. Sebell. 1,809,395; June 9.
Pump, Measuring and dispensing. L. R. Hartley 1,814,153; July 14.
Pump mechanism. S. Dean. 1,816,517; July 28.
Pump mechanism, Inertia operated. C. H. Braselton. 1,831,996; Nov. 17.
Pump, Metal. H. A. W. Wood. 1,816,946; Aug. 4.
Pump, Milk. J. P. Hansen. 1,790,470; Jan. 27.
Pump, motor, and the like, Hydraulic. J. J. Crain. 1,794,946; Mar. 3.
Pump, Motor fuel. A. Guiot. 1,809,514; June 9.
Pump, Motor operated dispensing. L. R. Hartley. 1,814,154; July 14.
Pump, Multistage centrifugal. O. Haentjens. 1,816,775; July 28.
Pump, Multi-stage high-pressure centrifugal. E. Vogel. 1,797,810; Mar. 24.
Pump, Multistage high-vacuum diffusion. O. Seitz. 1,791,105; Feb. 3.
Pump, Needle valve. G. Brown. 1,835,009; Dec. 8.
Pump, Oil. G. Duffing. 1,835,851; Dec. 8.
Pump, Oil. W. D. Ogletree. 1,832,995; Nov. 24.
Pump, Oil and gasoline. C. M. Larson. 1,837,719; Dec. 22.
Pump, Oil-well. L. J. Black. Re18,046; Apr. 14.
Pump, Oil well. W. H. Graham. 1,834,024; Dec. 1.
Pump, Oil well. J. B. Hawley, jr.. 1,816,731; July 28.
Pump, Oil well. W. F. McMahon. 1,801,520; Apr. 21.
Pump, Oil well. J. C. Vroman. 1,804,900; May 12.
Pump, Oil well. H. F. Watkins. 1,811,101; June 23.
Pump, Open discharge. A. S. Marlow. 1,834,957; Dec. 8.
Pump operating means, Casting. H. A. W. Wood. 1,810,867; June 16.
Pump or compressor. W. G. E. Rolaff. 1,789,842; Jan. 20.
Pump or engine. A. M. Freeland. 1,802,341; Apr. 28.
Pump or fan, Propeller type. C. J. Fechheimer. 1,807,397; May 26.
Pump, or fluid pressure engine, Rotary blower. H. R. Ricardo. 1,818,430; Aug. 11.
Pump or liquid flow regulator, Rotary. B. D. Coppage. 1,838,252; Dec. 29.
Pump, Peripheral jet. S. C. Woody. 1,814,613; July 14.
Pump plunger, Multistage. L. C. Black. 1,810,121; June 16.
Pump plunger structure. J. A. Yerkes and R. H. Lemmon. 1,798,294; Mar. 31.
Pump, Pneumatic. H. S. Rogers. 1,835,086; Dec. 8.
Pump, Pneumatic displacement. L. P. Montaney. 1,834,433; Dec. 29.
Pump, Portable. J. H. Morrow. 1,804,565; May 12.
Pump priming device. E. H. Fahrney. 1,806,968; May 26.
Pump-priming mechanism. C. S. Lewis. 1,789,528; Jan. 20.
Pump, Radial. W. Ernst. 1,818,611; Aug. 11.
Pump, Reversible centrifugal. E. J. Ruthman. 1,821,772; Sept. 1.
Pump, Reversible centrifugal. E. J. Ruthman. 1,824,409; Sept. 22.
Pump rod lift, Power. T. O. Duckworth. 1,738,373; Dec. 29.
Pump rod lift, Power. T. O. Duckworth. 1,803,426; May 5.
Pump-rod swivel for windmills. J. Simpson. 1,793,519; Feb. 24.
Pump, Rotary. R. M. Blackmer. 1,820,009; Aug. 25.
Pump, Rotary. H. Daubenmeyer. 1,799,287; Apr. 7.
Pump, Rotary. W. W. Davidson. 1,828,245; Oct. 20.
Pump, Rotary. G. W. Dooley. 1,797,905; Mar. 24.
Pump, Rotary. F. I. Getty. 1,795,552; Mar. 10.
Pump, Rotary. J. F. Jaworowski. 1,827,088; Oct. 13.
Pump, Rotary. J. F. Jaworowski. 1,837,714; Dec. 22.
Pump, Rotary. A. V. Jensen. 1,799,237; Apr. 7.
Pump, Rotary. O. S. Johnson. 1,795,130; Mar. 3.
Pump, Rotary. T. W. Nichols. 1,802,527; Apr. 28.
Pump, Rotary. L. P. Storey. 1,795,579; Mar. 10.
Pump, Rotary. J. B. Teesdale. 1,787,708; Jan. 6.
Pump, Rotary. I. H. Wilsey. 1,816,508; July 28.
Pump, Rotary. C. Wrona. 1,805,063; May 12.
Pump, Rotary fluid. L. G. Symons. 1,791,047; Feb. 3.
Pump, Sanitary centrifugal milk. J. Namur. 1,809,526; June 9.
Pump, Sirup. C. L. Bastian. 1,801,066; Apr. 14.
Pump, Sirup. W. C. Buttner. 1,798,453; Mar. 31.
Pump, Sirup. W. C. Buttner. 1,817,673; Aug. 4.
Pump, Sirup. F. Rahm and A. C. Pilcher. 1,792,707; Feb. 17.
Pump, Slush. J. M. Shimer. 1,802,281; Apr. 21.
Pump structure, Fluid-. A. Schneider. 1,793,513; Feb. 24.
Pump, Suction. M. Hopson. 1,804,987; May 12.
Pump, Sump. M. Hedglon. 1,812,874; July 7.
Pump, Sump drain. E. S. Mummert. 1,801,103; Apr. 14.
Pump, Tire. E. G. Scott. 1,794,485; Mar. 3.
Pump, Tire charging air. L. Risk. 1,811,647; June 23.
Pump, Traveling tube. J. A. Yerkes and R. H. Lemmon. 1,832,346; Nov. 17.
Pump, Turbine. E. Yoss. 1,814,019; July 14.
Pump, Turbo. V. Schleyer. 1,810,297; June 16.
Pump, Two sided dispensing. T. B. Bennett and L. A. Prescott. 1,815,698; July 21.
Pump, Two-stage hydrovacuum. T. R. Hayton. 1,792,741; Feb. 17.
Pump unit, Combined water and air. J. Young. 1,837,937; Dec. 22.
Pump, Vacuum. J. F. Metten. 1,829,908; Nov. 3.
Pump, Vacuum. M. L. Nestal. 1,814,179; July 14.
Pump, Variable-rate chemical feed. A. B. Hodges. 1,790,708; Feb. 3.
Pump, Vending E. T. Schmidt. 1,823,379; Sept. 15.
Pump, Water. L. Schwitzer and C. J. Winkler. 1,817,169; Aug. 4.
Pump, Wave operated. J. R. Swift. 1,804,656; May 12.
Pump with deformable diaphragm. C. R. Waseige. 1,835,919; Dec. 8.
Pumping and circulating system, Liquid. C. L. Stokes. 1,797,533; Mar. 24.
Pumping and flowing apparatus, Oil well. R. E. Berwick. 1,811,381; June 23.
Pumping apparatus. J. M. Butler. 1,814,285; July 14.
Pumping apparatus. A. N. Dawley. 1,821,143; Sept. 1.
Pumping apparatus. A. E. Gull. 1,825,661; Oct. 6.
Pumping apparatus. H. A. W. Howcott. 1,818,851; Aug. 11.
Pumping apparatus. J. B. Sperry. 1,822,546; Sept. 8.
Pumping apparatus. C. G. Wood. 1,837,697; Dec. 22.
Pumping apparatus, Automatically controlled. A. Hauser. 1,815,148; July 21.
Pumping apparatus, Gas lift. M. T. Archer. 1,802,548; Apr. 28.
Pumping apparatus, Gas lift. M. T. Archer. 1,834,369; Dec. 1.

Pumping device. D. A. Harner. 1,803,705; May 5.
Pumping device. E. Sanders. 1,807,556; May 26.
Pumping device. E. A. Smith. 1,791,292; Feb. 3.
Pumping device, Fuel-. L. H. Wheeler. 1,799,771; Apr. 7.
Pumping jack. H. M. Jarvis. 1,799,015; Mar. 31.
Pumping jack. J. B. Picard. 1,823,163; Sept. 15.
Pumping means for gasoline gauges. L. H. Wheeler. 1,812,027; June 30.
Pumping mechanism. G. A. Humason. 1,799,373; Apr. 7.
Pumping mechanism. J. M. Lea. 1,834,461; Dec. 1.
Pumping mechanism, Rod-line stretcher for oil-. H. Spooner. 1,793,758; Feb. 24.
Pumping mechanism, Vibration. C. H. Braselton and F. B. MacLaren. 1,831,994; Nov. 17.
Pumping mechanism, Vibration operated. C. H. Braselton and F. B. MacLaren. 1,831,995; Nov. 17.
Pumping, Method and apparatus for deep well. H. B. Davidson. 1,833,827; Nov. 24.
Pumping power. A. L. Skinner. 1,828,689; Oct. 20.
Pumping system. F. H. Bradford. 1,830,923; Nov. 10.
Pumping system. R. B. Carter, jr. 1,824,465; Sept. 22.
Pumping system. J. Oliphant. 1,807,747; June 2.
Pumping system. J. Oliphant. 1,834,586; Dec. 1.
Pumping system, Centrifugal. T. F. Moore. 1,830,286; Nov. 3.
Pumping system, Deep well. W. N. Squires. 1,805,025; May 12.
Pumping system for oil refineries, Float controlled. L. De Florez. 1,806,449; May 19.
Pumping system, Marine. H. F. Schmidt. 1,806,651; May 26.
Pumping system, Marine. J. Q. Walton. 1,806,725; May 26.
Pumping system, Pneumatically actuated. C. A. Butler. 1,389,140; Dec. 29.
Pumping systems, Remote control switch for. F. E. Robinson. 1,792,245; Feb. 10.
Pumping unit. O. G. Keil. 1,799,100; Mar. 31.
Pumping unit, Well. R. C. Baker. 1,795,922; Mar. 10.
Pumps, Actuating mechanism for engine fuel. P. Clerget. 1,836,645; Dec. 15.
Pumps, Air vent controlling mechanism for centrifugal. I. C. Jennings. 1,803,191; Apr. 28.
Pumps, Chain control for. L. Deutsch. 1,789,429; Jan. 20.
Pumps, compressors, blowers and like machines, Regulation of. T. R. Warren. 1,807,328; May 26.
Pumps, Controlling means for plunger. S. Borletti. 1,794,575; Mar. 3.
Pumps, Device for regulating the output of centrifugal. P. Schmidt. 1,837,887; Dec. 22.
Pumps of rectifiers, Device for heating the internal mercury vapor high vacuum. W. Dällenbach. 1,834,146; Dec. 1.
Pumps, Operating unit for double acting. A. H. Kennedy. 1,828,570; Oct. 20.
Pumps, Pipe holster for. F. E. Prockish. 1,797,482; Mar. 24.
Pumps, Placing liners in sleeves for deep-well oil. E. E. Stevenson. 1,792,941; Feb. 17.
Pumps, Power head for. P. A. Myers. 1,813,309; July 7.
Pumps, Power head for. P. A. Myers. 1,816,190; July 28.
Pumps, Pressure control for automatic. L. M. Persons. 1,826,089; Oct. 6.
Pumps, Priming mechanism for centrifugal. H. E. Adams. 1,803,885; May 5.
Pumps, Priming system for centrifugal. O. Haentjens. 1,791,408; Feb. 3.
Pumps, Pulsator for fuel L. B. Smith. 1,796,126; Mar. 10.
Pumps, Seal for rotary oil. A. E. Grant. 1,796,017; Mar. 10.
Pumps, slippers, and the like, Retaining device for. A. L. Howard. 1,794,959; Mar. 3.
Pumps, Totalizing counter mechanism for dispensing. R. W. Bond. 1,814,663; July 14.
Pumps, Vapor and pressure trapping dome for fuel. F. G. Schweisthal. 1,809,394; June 9.
Punch. F. C. King. 1,797,987; Mar. 24.
Punch. H. C. Lee. 1,837,451; Dec. 22.
Punch and cover, Can. J. R. Miller. 1,824,290; Sept. 22.
Punch and slitting device, Combined. G. S. Robinson. 1,826,257; Oct. 6.
Punch and typewriter controlling means therefor. J. T. Schaaff. 1,821,078; Sept. 1.
Punch board, Coin-controlled. F. L. Mills. 1,790,055; Jan. 27.
Punch, Can. C. W. Stuart. 1,827,679; Oct. 13.
Punch, Card. W. W. Lasker. 1,804,994; May 12.
Punch, Cash-register. F. M. Carroll. 1,800,375; Apr. 14.
Punch, connecting mechanism. C. B. Gray. 1,816,648; July 28.
Punch die. R. E. Page. 1,835,424; Dec. 8.
Punch, Duplicating gang. C. D. Lake and R. E. Page. 1,817,631; Aug. 4.
Punch, Key. J. T. Schaaff. 1,803,979; May 5.
Punch mechanism, Triple-. L. H. Vold and K. R. Hammerstrom. 1,797,739; Mar. 24.
Punch, Metal. J. H. Abramson and E. C. Swanson. 1,817,223; Aug. 4.
Punch, Motor driven. A. C. Maby. 1,812,659; June 30.
Punch mounting, stripping and lubricating means for stamping presses. G. F. Wales. 1,822,468; Sept. 8.
Punch, Nose. G. J. Lamke. 1,833,365; Nov. 24.
Punch, Perforating. J. H. Siemer. 1,802,282; Apr. 21.
Punch press. T. F. Philippi. 1,826,152; Oct. 6.
Punch press. A. C. Waldvogel. 1,834,191; Dec. 1.
Punch presses, Blank feeding mechanism for. W. Kowal. 1,805,336; May 12.
Punch presses, Feed mechanism for. C. G. Liljeberg. 1,834,216; Dec. 1.
Punch presses, Feeding mechanism for. G. F. Matteson. 1,805,219; May 12.
Puncher and riveter, Rapid. J. C. Hanna. 1,833,216; Nov. 24.
Punching and fastener-inserting apparatus. S. L. Gookin. 1,821,152; Sept. 1.
Punching and upsetting machine. E. S. Seavey. 1,812,023; June 30.
Punching device. O. E. Braitmayer. 1,812,620; June 30.
Punching device. H. Hochreiner. 1,788,023; Jan. 6.
Punching die. F. Ditchfield. 1,787,816; Jan. 6.
Punching machine. M. F. Bollaert. 1,837,522; Dec. 22.
Punching machine. A. Thomas. 1,788,694; Jan. 13.
Punching machine, Automatic jacquard. R. W. Barker. 1,817,284; Aug. 4.
Punching machine, Felt. P. R. Bettison. 1,800,499; Apr. 14.
Punching machines, Carriage return for. W. W. Lasker. 1,807,627; June 2.
Punching machines, Power mechanism for sheet. C. W. Crumrine. 1,804,090; May 5.
Punching machines, Turret for multiple. E. Dietrich. 1,807,652; June 2.
Punching mechanism. R. M. Roberts. 1,790,444; Jan. 27.
Punching mechanism. R. G. Williams. 1,827,180; Oct. 13.
Punchings, Keying. W. S. Oswald. 1,823,333; Sept. 15.
Puncturing apparatus. L. A. Wilczek. 1,806,434; May 19.
Puppet. R. Heideklang. 1,788,671; Jan. 13.
Purifier in drain vent pipes. G. D. Bradshaw. 1,796,436; Mar. 17.
Purifying agents, Regenerating contaminated. A. Joseph. 1,822,293; Sept. 8.
Purifying tank. G. M. Bucey. 1,810,462; June 16.
Purpurin, Preparing. H. R. Lee and I. Gubelmann. 1,790,932; Feb. 3.
Purse. F. L. Eriksson. 1,807,655; June 2.
Purse and pocketbook. H. R. Godfrey. 1,832,900; Nov. 24.
Purse, Auto. D. S. Miller. Des. 83,002; Jan. 6.
Purse, Coin. A. L. Kotlicke. 1,824,354; Sept. 22.
Purse, handbag or pocketbook W. H. Zachman. 1,826,233; Oct. 6.
Push button window lock. L. C. and W. F. Hinderer. 1,821,835; Sept. 1.
Push-plate. H. M. Scheibe. 1,819,126; Aug. 18.
Push rod, Swedged end. J. O. Almen. 1,823,419; Sept. 15.
Pusher ram for coke ovens. J. A. B. Lovett. 1,830,951; Nov. 10.
Putter head. T. D. Craig. Des. 83,722; Mar. 24.
Putting device, Practice. E. M. Byers. 1,798,140; Mar. 31.
Putty, Core. J. F. McDowall. 1,837,878; Dec. 22.
Putty remover. R. R. Denning. 1,821,742; Sept. 1.
Puzzle. A. G. Dana. 1,787,473; Jan. 6.
Puzzle. H. B. Meibers. 1,803,763; May 5.
Pyridin, Preparation of substitution products of. C. Räth. 1,793,962; Feb. 24.
Pyrites roasting. J. E. Little. 1,823,907; Sept. 22.
Pyrometric device. L. de Florez. 1,837,853; Dec. 22.
Pyrometer for metallurgical furnaces. F. M. Poole. 1,808,507; June 2.
Pyrometer, Optical. D. C. Gall. 1,820,219; Aug. 25.
Pyrometer, Optical. R. Hase. 1,825,229; Sept. 29.
Pyrometer, Radiant reading. J. Schünemann. 1,788,849; Jan. 13.
Pyrotechnic device. H. Reihlen. 1,823,376; Sept. 15.
Pyrotechnic display device. T. G. Hitt. 1,818,478; Aug. 11.
Pyrotechnical composition. W. F. Gehrig. 1,830,392; Nov. 3.
Pyroxylin compositions, Production of pigmented. A. M. Taylor, and A. R. Chapman. 1,824,177; Sept. 22.
Pyroxylin plastic in continuous sheet form, Manufacture of. G. J. Esselen, jr., and R. G. O'Kane. 1,837,855; Dec. 22.
Quack-grass rake. B. F. Alink. 1,801,131; Apr. 14.
Quartering and pin turning machine, Combination. F. Dustan. 1,798,016; Mar. 24.
Quartz bulb. A. J. Loepsinger. 1,797,919; Mar. 24.
Quartz rod for use with ultra-violet lamps. C. W. Symonds. 1,794,557; Mar. 3.
Quartz, silica, or the like, Joining together parts of fused. L. Sample. 1,796,401; Mar. 17.
Quenching apparatus for hardening metal work. H. Rosenberg. 1,834,872; Dec. 1.
Quenching tank. F. T. Cope. 1,808,160; June 2.
Quicksilver ores, Method of and apparatus for treating. L. H. Duschak and C. G. Dennis. 1,832,006; Nov. 17.
Quilt, Box. N. H. Cole. 1,829,820; Nov. 3.
Quinoline derivatives, Production of. C. Zöllner. 1,804,045; May 5.
Quoin chase, Printer's. C. F. Weldon. 1,803,782; May 5.
Quotation-indicating system. F. Favarger. 1,787,620; Jan. 6.

Rabbit and other skins, Stretching. G. G. Sharpe. 1,805,379; May 12.
Rabbit, Mechanical. A. H. Matlowsky. 1,831,503; Nov. 10.
Rabble arm. F. A. Fahrenwald. 1,796,247; Mar. 10.
Racing apparatus. E. L. Ballew. 1,821,784; Sept. 1.
Racing apparatus. E. L. Ballew. 1,821,786; Sept. 1.
Racing apparatus. W. Connors. 1,801,141; Apr. 14.
Racing apparatus, Portable moving. E. L. Ballew. 1,821,826; Sept. 1.
Racing track. C. F. Parker. 1,798,554; Mar. 31.
Rack: *See*—
Article supporting rack.
Ball rack.
Barrel rack.
Bottle rack.
Bread rack.
Carrier rack.
Clothes drying rack.
Clothes rack.
Crochet rack.
Display rack.
Displaying rack.
Drying rack.
Floral rack.
Folding trunk rack.
Garment rack.
Glue-drying rack.
Grease service rack.
Greasing rack.
Hat and coat rack.
Hay rack.
Humidor rack.
Insulator rack.
Laundry rack.
Ledger rack.
Luggage rack.
Magazine rack.
Milk bottle rack.
Necktie rack
Oven rack.
Packing rack.
Pipe rack.
Pool-ball rack.
Power rack.
Press and display rack.
Reel rack.
Running board rack.
Sack-filling rack.
Secondary rack.
Sectional rack.
Shoe rack.
Splice can rack.
Spool rack.
Stamp rack.
Storage rack.
Test rack.
Test tube rack.
Tie rack.
Toilet rack.
Tool rack.
Toothbrush and tumbler rack.
Towel rack.
Tray rack.
Truck rack.
Trunk rack.
Rack. M. Anton. 1,804,912; May 12.
Rack. P. H. Chase. 1,831,440; Nov. 10.
Rack. S. Edelheit. 1,835,764; Dec. 8.
Rack. G. A. Fitzgibbons. 1,827,572; Oct. 13.
Rack. C. R. Harris. 1,814,692; July 14.
Rack. W. C. Hornaday. 1,824,142; Sept. 22.
Rack. E. A. Stucliffe. 1,801,058; Apr. 14.
Rack. W. N. Vance. 1,820,716; Aug. 25.
Rack and making the same, Secondary. B. M. Smalley. Re17,931; Jan. 13.
Rack and pinion operator. J. H. Sheard. 1,819,574; Aug. 18.
Rack and smoking stand, Combination chip. A. Staat. Des. 84,215; May 19.
Rack and sterilizer, Combined can lid. H. Dressler. 1,837,954; Dec. 22.
Rack and tilter for barrels and casks, Combined supporting. E. D. Rall, H. L. Moore, and W. B. Nivert. 1,790,319; Jan. 27.
Rack device, Vehicle map. W. F. Haack. 1,814,690; July 14.
Rack for a vehicle, Stock. J. H. Walters. 1,828,551; Oct. 20.
Rack for automobiles, Luggage. L. J. Meyer. 1,824,288; Sept. 22.
Rack for automobiles, Trunk. L. E. Russell and G. E. Peters. 1,838,500; Dec. 29.
Rack for dishwashers. J. H. L. Patterson. 1,826,951; Oct. 13.
Rack for factories, Portable shoe. W. D. Moore. 1,837,882; Dec. 22.
Rack for fowls, Dressing. C. W. Williams. 1,796,739; Mar. 17.
Rack for golf bags and clubs, Display. F. Smith. Des. 83,761; Mar. 24.
Rack for hand trucks. G. C. Munoz and R. H. Bowen. 1,807,128; May 26.
Rack for handling locomotive cabs. C. H. Thompson. 1,816,350; July 28.
Rack for insulating casing condensers. E. J. Cowan. 1,801,413; Apr. 21.
Rack for magazines, folders, and the like, Display. W. C. Kelley. 1,820,275; Aug. 25.
Rack for miners' lamps, Charging. G. Wheat. 1,800,918; Apr. 14.
Rack for oilcloth. E. P. Johnson. 1,826,135; Oct. 6.
Rack for presses, Sheet. F. S. English. 1,787,572; Jan. 6.
Rack for radiators, Collapsible. V. E. Wheatcroft. 1,807,363; May 26.
Rack for refrigerators, Ice. F. B. Ranney. 1,812,803; June 30.
Rack for tires. H. L. Beach. Des. 84,868; Aug. 18.
Rack or similar article, Book-. I. C. Roby. Des. 83,127; Jan. 20.
Rack rake, Trash. J. A. Leonard. 1,839,186; Dec. 29.
Rack screen cleaner. W. A. Dundas and L. M. Johnson. 1,823,023; Sept. 15.
Racket, Tennis. W. H. Fox. 1,828,109; Oct. 20.
Racket, Tennis. J. C. Kleinman. 1,823,107; Sept. 15.
Racquet and manufacture of the same. H. W. Hall. 1,831,350; Nov. 10.
Radial connecting rod. H. O. Elane. 1,822,694; Sept. 8.
Radial drill. N. B. Chace. 1,804,673; May 12.
Radial drill heads, Power traverse for. D. C. Klausmeyer. 1,788,918; Jan. 13.
Radial engine, Two-cycle. A. De Lange. 1,787,673; Jan. 6.
Radial engine, Two cycle. H. B. Greening, and J. W. Galloway. 1,811,625; June 23.
Radial motor. J. Newmann. 1,823,464; Sept. 15.
Radiant and reflector adjusting mechanism for projection apparatus. R. M. Hill. 1,795,169; Mar. 3.
Radiant energy distance determining system and apparatus. E. G. Gage. 1,828,531; Oct. 20.
Radiant energy, Method and apparatus for comparing. A. C. Hardy and F. W. Cunningham. 1,806,199; May 19.
Radiant energy, Method of and apparatus for comparing and recording. A. C. Hardy. 1,806,198; May 19.
Radiant energy, Method of and apparatus for comparing and recording relative intensity of. A. C. Hardy and F. W. Cunningham. 1,806,197; May 19.
Radiant energy receiving system. H. C. Forbes. 1,809,967; June 16.
Radiant heater. M. A. Possons. 1,810,852; June 16.
Radiant heater. A. Steffen. Des. 85,450; Oct. 27.
Radiant heater, Electric. L. Lebau. 1,803,972; May 5.
Radiant superheater. B. Broido. Re18,082; May 26.
Radiator. J. Askin. 1,829,777; Nov. 3.
Radiator. I. T. Bennett. 1,796,317; Mar. 17.
Radiator. E. D. Betts. 1,806,202; June 2.
Radiator. B. Blackmore. 1,818,600; Aug. 11.
Radiator. S. Briskin. 1,789,963; Jan. 27.
Radiator. M. Chavara and I. Churruca. 1,833,985; Dec. 1.
Radiator. J. M. Clark. 1,825,306; Sept. 29.
Radiator. J. R. Coe. 1,790,535; Jan. 27.
Radiator. F. J. Douglass. 1,819,812; Aug. 18.
Radiator. J. Elger. 1,823,035; Sept. 15.
Radiator. E. Flynn. 1,816,320; July 28.
Radiator. J. E. Gannon. 1,788,516; Jan. 13.
Radiator. A. Gedeon. 1,804,603; May 12.
Radiator. M. S. Hart and M. G. Steele. 1,837,905; Dec. 22.
Radiator. P. P. Henshall. 1,800,448; Apr. 14.
Radiator. H. A. Higgins. 1,816,373; July 28.
Radiator. E. S. Horan and C. Metzler, jr. 1,839,029; Dec. 29.
Radiator. C. H. Jackson. 1,837,442; Dec. 22.
Radiator. W. J. Kenney. 1,810,712; June 16.
Radiator. W. G. Laird, and G. T. Jacocks. 1,816,437; July 28.
Radiator. T. E. Landvoigt. 1,804,424; May 12.
Radiator. T. E. Landvoigt. 1,818,226; Aug. 11.
Radiator. A. W. Loyd. 1,787,913; Jan. 6.
Radiator. J. B. Lukomski. 1,810,973; June 23.
Radiator. J. F. McIntire. Des. 85,192; Sept. 22.
Radiator. J. F. McIntire. Des. 85,296; Oct. 6.
Radiator. A. B. Modine. 1,834,001; Dec. 1.
Radiator. H. C. Mougey. 1,795,878; Mar. 10.
Radiator. T. E. Murray. 1,813,123; July 7.
Radiator. T. E. Murray, jr. 1,793,123; Feb. 17.
Radiator. T. E. Murray, jr. 1,816,605; July 28.
Radiator. T. E. Murray, jr. 1,816,607; July 28.
Radiator. T. E. Murray, jr., and I. T. Bennett. 1,790,241; Jan. 27.
Radiator. J. W. Oatway. 1,793,005; Feb. 17.
Radiator. C. Oppe. 1,813,079; July 7.
Radiator. J. W. Pate. 1,808,605; June 2.
Radiator. G. H. Phelps. 1,793,244; Feb. 17.
Radiator. L. A. Robitaille. 1,792,768; Feb. 17.
Radiator. H. A. Shaw. Des. 85,210; Sept. 22.
Radiator. H. A. Shaw. Des. 85,891; Dec. 29
Radiator. S. D. Sprong. 1,821,080; Sept. 1.
Radiator. R. N. Trane. 1,797,535; Mar. 24.
Radiator. R. N. Trane. 1,805,116; May 12.
Radiator. R. N. Trane. 1,806,186; May 19.
Radiator. D. A. Usina. 1,816,624; July 28.
Radiator. D. A. Usina. 1,835,102; Dec. 8.
Radiator. F. M. Young. 1,811,527; June 23.
Radiator actuating mechanism. J. E. E. Dewoitine. 1,807,514; May 26.
Radiator, Aeroplane. M. Lobelle. 1,799,107; Mar. 31.
Radiator air vent. H. L. Joyce. Des. 84,084; May 5.
Radiator and cylinder block cleaner. S. H. Smith and J. M. King. 1,827,301; Oct. 13.
Radiator and guard, Combined. J. L. Brownell. 1,828,995; Oct. 27.
Radiator and humidifier, Electric. L. E. Johnson and S. W. Day. 1,836,253; Dec. 15.
Radiator and other welded structure. T. E. Murray, jr. and I. T. Bennett. 1,816,606; July 28.
Radiator assembling apparatus. W. C. Ritter. 1,836,619; Dec. 15.
Radiator assembly. J. A. White. 1,820,414; Aug. 25.
Radiator, Automobile. E. L. Cord, H. C. Snow, and D. C. Hollister. Des. 84,625; July 14.
Radiator, Automobile. A. Donadio. 1,827,568; Oct. 13.
Radiator, Automobile. J. R. Hughes. Des. 85,753; Dec. 15.
Radiator bar and reenforcing means. R. C. Russell. 1,805,887; May 19.
Radiator, Baseboard. L. Dvilnsky. 1,807,202; May 26.
Radiator bracket. S. C. Appel. 1,821,084; Sept. 1.
Radiator bracket. A. E. Davis. 1,811,538; June 23.
Radiator cap. L. Blackmore. 1,812,465; June 30.
Radiator cap. G. A. Ferrier. 1,833,833; Nov. 24.
Radiator cap. J. J. Punke. 1,789,986; Jan. 27
Radiator cap. W. Schnell and F. M. Edgar. 1,804,279; May 5.

Radiator cap. W. Schnell and J. B. Flynn. 1,816,199; July 28.
Radiator cap. I. H. Stant. 1,793,974; Feb. 24.
Radiator cap K. E. Stant. 1,789,990; Jan. 27.
Radiator cap. K. E. Stant. 1,793,759; Feb. 24.
Radiator cap. K. E. Stant. 1,806,224; May 19.
Radiator cap. K. E. Stant. 1,809,186; June 9.
Radiator cap. K. E. Stant. 1,833,694; Nov. 24.
Radiator cap, Automobile. A. Kuplan. Des. 84,153; May 12.
Radiator cap or similar article for an automotive vehicle. W. Schnell. Des. 85,304; Oct. 6.
Radiator cap or similar article for an automotive vehicle. W. Schnell and B. E. Lemm. Des. 84,959; Aug. 25.
Radiator cleaner. G. C. Peck. 1,836,988; Dec. 15.
Radiator closing means for automobiles. E. W. Storms. 1,825,134; Sept. 29.
Radiator composed of flat water elements. E. J. E. Dewoitine. 1,823,788; Sept. 15.
Radiator construction. R. S. Bakkekilde. 1,828,637; Oct. 20.
Radiator construction. L. P. Dwyer. 1,797,524; Mar. 24.
Radiator construction. J. Karmazin. 1,799,691; Apr. 7.
Radiator controlling mechanism. J. V. Giesler. 1,806,393; May 19.
Radiator core. A. B. Medville. 1,802,263; Apr. 21.
Radiator core. H. P. Yeager. 1,800,853; Apr. 14.
Radiator core, Automobile. N. T. Corcoran. 1,812,515; June 30.
Radiator core for automobile cooling systems. W. W. Muir. 1,838,568; Dec. 29.
Radiator-draining device for motor vehicles. D. Carter. 1,793,358; Feb. 17.
Radiator, Electric. J. E. Gannon. 1,788,515; Jan. 13.
Radiator elements, Apparatus for assembling. A. C. Walworth. 1,818,593; Aug. 11.
Radiator elements, Assembling. A. C. Walworth. 1,818,592; Aug. 11.
Radiator enclosure. A. C. Armstrong. 1,830,217; Nov. 3.
Radiator, Fin. O. R. Ludwig. 1,818,727; Aug. 11.
Radiator fin winding machine. J. E. Gortner. 1,830,357; Nov. 3.
Radiator footrest. B. H. Howard. 1,799,558; Apr. 7.
Radiator for heating. C. G. Carlson. 1,816,250; July 28.
Radiator for high-pressure systems. A. H. Hart. 1,795,774; Mar. 10.
Radiator for internal combustion engines, Cooling. D. T. MacLeod. 1,818,144; Aug. 11.
Radiator for motor vehicles. F. C. Ruppel. 1,802,356; Apr. 28.
Radiator for motor vehicles. F. C. Ruppel. 1,827,767; Oct. 20.
Radiator for motor vehicles. V. Valletta. 1,794,263; Feb. 24.
Radiator-forming machine, Sheet-metal-. L. A. Robitaille. 1,789,324; Jan. 20.
Radiator for transformer casings. C. G. Watson. 1,838,722; Dec. 29.
Radiator front. W. E. Hann. Des. 83,965–6; Apr. 21.
Radiator fuel control. G. C. Carnahan. 1,788,048; Jan. 6.
Radiator, Gas. W. T. Rasch. 1,789,597; Jan. 20.
Radiator, Gas. T. W. Torr. Des. 84,062; Apr. 28.
Radiator, Gas heated hot water. A. W. Krull. 1,834,851; Dec. 1.
Radiator, Gas steam. G. W. Blackmore. 1,795,539; Mar. 10.
Radiator guard. B. Putterman. Des. 84,492–3; June 23.
Radiator hanger. T. O'Connell. 1,827,540; Oct. 13.
Radiator hanger. T. A. Ridder. 1,827,110; Oct. 13.
Radiator hanger. F. A. Thing. 1,806,924; May 26.
Radiator hanger means. J. Brogden. 1,836,573; Dec. 15.
Radiator, Heat. E. J. Turmes. 1,835,727; Dec. 8.
Radiator heater. G. E. Predmore. 1,837,172; Dec. 15.
Radiator inclosure. K. L. Porter. 1,812,606; June 30.
Radiator inclosure. E. P. Scholle. Des. 84,551; June 30.
Radiator inclosure. S. Tanger. 1,807,352; May 26.
Radiator, lamps, and fenders, Combination of automobile. C. H. Muckenhirn. Des. 83,239; Feb. 3.
Radiator, Motor vehicle. H. D. Church. 1,827,781; Oct. 20.
Radiator mounting. J. H. Sutter and G. L. Cadenhead. 1,796,273; Mar. 10.
Radiator or cooler. S. Z. de Ferranti and J. Turner. 1,816,111; July 28.
Radiator overflow. H. Wagner. 1,795,457; Mar. 10.
Radiator, Riser. H. Del Mar. 1,838,083; Dec. 29.
Radiator screen. W. H. Radford. 1,791,841; Feb. 10.
Radiator screen. H. B. Trix, P. G. Metzger, and V. G. Souder. 1,833,141; Nov. 24.
Radiator screen, Automobile. G. M. Kennedy. 1,806,104; May 19.
Radiator screen bracket. M. M. Fischer. 1,813,533; July 7.
Radiator section. C. W. Brabée. Des. 85 807; Dec. 22.
Radiator section. A. M. Mertzanoff. Des. 84,788; Aug. 4.
Radiator, Sectional. F. M. Young. 1,797,892; Mar. 24.
Radiator, Sectional automobile. C. D. Larmer and B. E. Dettman. 1,827,025; Oct. 13.
Radiator, Sheet metal. G. I. Stanford. 1,823,993; Sept. 22.
Radiator shell. H. V. Henderson. Des. 83,675; Mar. 17.
Radiator shell for automobiles. H. A. Shaw. Des. 84,603; July 7.
Radiator shield and cover therefor, Combined. G. B. Warner. Des. 83,481; Feb. 24.
Radiator shutter. W. H. Burke. 1,791,790; Feb. 10.
Radiator shutter control for conserving heat. W. A. Edwards. 1,806,153; May 19.
Radiator shutter throttle control. W. A. Edwards. 1,812,869; July 7.
Radiator, Side plate. F. M. Young. 1,813,221; July 7.
Radiator, Sound. R. V. L. Hartley. 1,821,547; Sept. 1.
Radiator, Sound. R. L. Wegel. 1,837,385; Dec. 22.
Radiator stand. C. P. Stewart. 1,795,805; Mar. 10.
Radiator structure. J. A. White. 1,820,413; Aug. 25.
Radiator support. C. R. Paton. 1,809,986; June 16.
Radiator unit. F. B. Herz. 1,816,372; July 28.
Radiator unit, Humidifying. A. W. Kaplan and H. F. Hauser. 1,829,520; Oct. 27.
Radiator, Vehicle. E. E. Miller. 1,803,764; May 5
Radiators, Air vent for. E. S. Alexander. 1,793,458; Feb. 24.
Radiators and other structures, Machine for making. T. E. Murray, jr., and L. H. Hoffer. 1,788,201; Jan. 6.
Radiators, Assembling. W. Shurtleff. 1,829,241; Oct. 27.
Radiators, Control shutter for engine. D. M. Winans. 1,809,616; June 9.
Radiators for automobiles, Cooling device for. I. Florman. 1,791,924; Feb. 10.
Radiators, Forming. R. N. Trane. 1,791,517; Feb. 10.
Radiators, Reclaiming automobile. A. O. Mason. 1,838,231; Dec. 29.
Radiators, Winter front for automobile. I. C. Hess. 1,818,328; Aug. 11.
Radio aerial. D. Alter. 1,824,254; Sept. 22.
Radio and clock cabinet, Combined. B. B. Fortney. Des. 83,724; Mar. 24.
Radio and sound reproducing and recording device. D. G. Cohen. 1,821,496; Sept. 1.
Radioantenna, Portable. E. H. Hand. 1,801,041; Apr. 14.
Radio antenna system. G. R. Fisher. 1,834,274; Dec. 1.
Radioantenna system. G. C. Kruesi. 1,820,571. Aug. 25.
Radio antenna system, Short wave. D. L. K. Martin. 1,831,921; Nov. 17.
Radioantennæ, Direction indicator and control for. E. H. Hand. 1,796,988; Mar. 17.
Radio apparatus. D. F. Asbury. Re18,023; Apr. 7.
Radio apparatus. H. Z. Bailey. 1,801,217; Apr. 14.
Radio apparatus. C. J. Britten. 1,826,727; Oct. 13.
Radio apparatus. W. J. Dalton. 1,804,676; May 12.
Radio apparatus. W. E. Danley. 1,835,934; Dec. 8.
Radio apparatus. V. J. Fabian. 1,820,059; Aug. 25.
Radio apparatus. J. D. Jordan. 1,805,626; May 19.
Radio apparatus. J. Kerrigan. 1,838,264; Dec. 29.
Radio apparatus. A. J. Kloneck. 1,812,407; June 30.
Radio apparatus. W. T. Lewis. 1,836,260; Dec. 15.
Radio apparatus. J. Lyons, jr. 1,819,905; Aug. 18.
Radio apparatus. J. N. Nordlund. 1,813,194; July 7.
Radio apparatus. L. W. Stonequist. 1,811,099; June 23.
Radio apparatus, Fine-adjustment device for. H. Schröder. 1,791,641; Feb. 10.
Radio apparatus, Portable. W. M. Heina. 1,802,345; Apr. 28.
Radio apparatus, Portable. W. M. Heina. 1,809,296; June 9.
Radio apparatus, Portable. W. M. Heina. 1,829,219; Oct. 27.
Radio apparatus, Tuning device for. D. R. De Tar. 1,830,595; Nov. 3.
Radio appliance. O. E. Marvel. 1,817,443; Aug. 4.
Radio beacon system. F. A. Kolster. 1,831,011; Nov. 10.
Radio broadcast distribution, Sub-divided service system of. E. E. Clement. 1,815,833; July 21.
Radio broadcasting system. R. Bown. 1,806,666; May 26.
Radio broadcasting system. E. E. Clement. 1,805,446; May 12.
Radio broadcasts or recorded audio frequencies, Apparatus for reproducing. D. Hepburn and M. L. Thompson. 1,826,173; Oct. 6.
Radiocabinet. A. Aurili. Des. 84,505; June 30.
Radiocabinet. W. F. Bazner. Des. 83,300; Feb. 17.
Radiocabinet. F. C. Burton. Des. 84,621; July 14.
Radiocabinet. F. G. Burton. Des. 84,922; Aug. 25.
Radiocabinet. D. Cline. Des. 83,248; Feb. 10.
Radiocabinet. E. L. Combs. Des. 83,956–7; Apr. 21.
Radiocabinet. E. L. Combs. Des. 84,733; July 28.
Radio, Cabinet. C. H. Derry. 1,804,000; May 5.
Radiocabinet. F. J. Foley. Des. 84,778; Aug. 4.
Radiocabinet. N. B. Geddes. Des. 85,473; Nov. 3.
Radiocabinet. N. B. Geddes. Des. 85,520; Nov. 10.
Radiocabinet. N. B. Geddes. Des. 85,818–9; Dec. 22.
Radiocabinet. J. Gubitosi. Des. 84,932; Aug. 25.
Radiocabinet. J. J. Herlihy. Des. 84,338; June 9.
Radiocabinet. A. L. Johnson. Des. 83,858; Apr. 7.
Radiocabinet. R. Loewy. Des. 84,530; June 30.
Radiocabinet. J. A. Rancorn and E. Worthington. Des. 84,369–70; June 9.
Radiocabinet. G. E. Riegel. Des. 85,202; Sept. 22.
Radiocabinet. W. Rypkema. Des. 84,376; June 9.
Radiocabinet. R. R. Shearer. Des. 85,305–6; Oct. 6.
Radiocabinet. J. A. Stanger. 1,791,689; Feb. 10.
Radiocabinet. G. E. Thompson. Des. 84,309; June 2.
Radiocabinet. E. Worthington. Des. 83,024; Jan. 6.
Radiocabinet. E. Worthington. Des. 83,381; Feb. 17.
Radiocabinet. E. Wuenn. Des. 83,382; Feb. 17.

Radiocabinet. E. Wuenn. Des. 85,074; Sept. 8.
Radio cabinet and clock, Combined. R. J. Koeppe. Des. 84,703; July 21.
Radio cabinet and desk, Combined. W. C. Kinggett. Des. 83,975; Apr. 21.
Radiocabinet, Mirror or glass-paneled. M. Green. Des. 82,986; Jan. 6.
Radiocabinet or similar article. G. J. Pike. Des. 84,540–5; June 30.
Radiocabinet or similar article. G. J. Pike. Des. 84,592; July 7.
Radiocabinet or similar article. G. J. Pike. Des. 84,594; July 7.
Radiocabinet or the like. E. Worthington. Des. 84,800; Aug. 4.
Radiocabinet or the like. E. Worthington. Des. 84,969–70; Aug. 25.
Radiocabinet, Wall insert. C. O. Johnson. Des. 84,349; June 9.
Radiocabinet with adjustable loop. L. Shapiro and P. J. Larsen. 1,826,437; Oct. 6.
Radio circuit. W. Kaufman. 1,799,169; Apr. 7.
Radiocircuit. B. S. McCutchen and V. Sandell, East Orange, N. J. 1,819,298; Aug. 18.
Radio circuit. W. Scheppmann. 1,834,975; Dec. 8.
Radio circuit employing alternating current radio tubes. F. S. McCullough. 1,819,783; Aug. 18.
Radio circuit, Low-impedance. G. K. Gann. 1,799,507; Apr. 7.
Radio circuits. W. J. Polydoroff. 1,827,332; Oct. 13.
Radio circuits, High frequency. R. L. Davis. 1,832,621; Nov. 17.
Radiocircuits, Time controlled coin device for. L. M. Hall. 1,816,526; July 28.
Radio coil. R. F. and F. W. Sickles. 1,807,605; June 2.
Radio coil winding. R. F. and F. W. Sickles. 1,807,606; June 2.
Radio color organ. R. M. Craig. 1,790,903; Feb. 3.
Radio communication system. J. H. Hammond, jr. 1,816,579; July 28.
Radio communication, System and apparatus for secret. J. H. Hammond, jr. 1,838,762; Dec. 29.
Radio communication, System of. H. C. Forbes. 1,828,529; Oct. 20.
Radio compass correcting device. G. H. Clark and G. Y. Allen. 1,828,395; Oct. 20.
Radio compass system. G. T. Royden. 1,831,465; Nov. 10.
Radio condenser. D. F. Foutz. 1,799,552; Apr. 7.
Radio connecting rod. H. O. Eiane. 1,800,611; Apr. 14.
Radio connection. H. Ungar. 1,814,533; July 14.
Radio control. E. B. Newill. 1,836,490; Dec. 15.
Radio control, Multiple. A. J. Macy. 1,828,901; Oct. 27.
Radio control system. S. L. McFadin. 1,828,672; Oct. 20.
Radio coupling coil. T. J. Scofield, G. A. White, and J. D. Hammond. 1,805,638; May 19.
Radio dial. F. Muller. 1,814,403; July 14.
Radio dial control. H. R. Hayden. 1,790,146; Jan. 27.
Radio dial escutcheon plate. A. A. Kent. Des. 83,046; Jan. 13.
Radio direction finder. C. R. Englund. 1,815,246; July 21.
Radio direction finder. F. Woods. 1,788,758; Jan. 13.
Radio direction finder. F. Woods. 1,798,714; Mar. 31.
Radio direction finding. A. Meissner. 1,818,639; Aug. 11.
Radio direction finding means for airplanes. A. Leib. 1,799,238; Apr. 7.
Radio dynamic control of gliding bodies. J. H. Hammond, jr. 1,818,708; Aug. 11.
Radio frequencies, Method and apparatus for the reception of broadcast. L. H. Butler. 1,799,726; Apr. 7.
Radio frequency amplifier. S. Harris. 1,830,542; Nov. 3.
Radio frequency amplifying system. R. B. Benjamin. 1,807,300; May 26.
Radio frequency amplifying system. L. L. Jones. 1,826,550; Oct. 6.
Radio frequency coil. A. E. Baumann. 1,813,137; July 7.
Radio frequency coupling device, Tuned. W. van B. Roberts. 1,831,640; Nov. 10.
Radio frequency telegraphy and telephony system. A. Beckmann. 1,818,669; Aug. 11.
Radio frequency transformer. M. C. Batsel. 1,795,823; Mar. 10.
Radio frequency transformer. G. R. Binder. 1,834,571; Dec. 1.
Radio frequency transformer. H. R. Hayden. 1,794,897; Mar. 3.
Radio indicating device. E. G. Danielson. 1,801,663; Apr. 21.
Radioindicator. A. H. Weis. 1,789,029; Jan. 13.
Radio interference due to printing telegraph, Elimination of. A. Weaver. 1,830,864; Nov. 10.
Radiolog. J. W. Chalek. 1,801,139; Apr. 14.
Radio loop antenna system. M. Ferris. 1,805,942; May 19.
Radio loud speaker. C. H. Duffy. Re18,281; Dec. 8.
Radio loud speaker. C. H. Duffy. 1,812,867; July 7.
Radio loud speaker. C. H. Duffy. 1,826,751; Oct. 13.
Radio loud speaker. C. H. Duffy. 1,831,484; Nov. 10.
Radio loud speaker. A. M. Kennedy. 1,833,714; Nov. 24.
Radio loud speaker and the like. C. H. Duffy. 1,818,987; Aug. 18.
Radio loud speaker, Maximum range. W. J. Hanna. 1,820,137; Aug. 25.
Radio messages, Apparatus for the reception of. W. G. Barnes. 1,811,420; June 23.
Radiopanel. J. T. Basseches. 1,803,310; May 5.
Radio photography transmitter. V. A. Schoenberg. 1,813,204; July 7.
Radio program apparatus, Wired. C. W. Hough. 1,805,665; May 19.
Radioreceiver. B. Washington. 1,794,936; Mar. 3.
Radio receiver control. B. Washington and W. Aull, jr. 1,795,269; Mar. 3.
Radioreceiver, Magnetic. J. Slepian. 1,790,171; Jan. 27.
Radioreceiver, Remote controlled. B. Washington and W. Aull, jr. 1,794,935; Mar. 3.
Radioreceivers, Static eliminator for. G. S. Moore. 1,838,434; Dec. 29.
Radioreceivers and the like, Volume-control means for. B. Bradbury. 1,799,000; Mar. 31.
Radioreceivers, Interference eliminator for. A. M. Wiehl. 1,797,307; Mar. 24.
Radio receiving and amplifying system. H. G. and H. A. Maerlender. 1,832,910; Nov. 24.
Radio receiving apparatus. E. Bellini. 1,789,350; Jan. 20.
Radio receiving apparatus. B. Y. Cummings, jr. 1,824,331; Sept. 22.
Radio receiving apparatus. A. L. Levin. 1,790,313; Jan. 27.
Radio receiving apparatus. P. D. Lowell. 1,813,180; July 7.
Radio receiving apparatus. B. B. Minnium. 1,816,227; July 28.
Radio receiving apparatus. V. Paquit. 1,819,477. Aug. 18.
Radio receiving apparatus. A. Poncel. 1,801,022; Apr. 14.
Radio receiving apparatus. A. Poncel. 1,807,343; May 26.
Radio receiving apparatus. L. Q. Slocomb. 1,794,739; Mar. 3.
Radio receiving apparatus. L. Q. Slocumb. 1,833,235; Nov. 24.
Radio receiving apparatus. A. O. Stabel. 1,831,515; Nov. 10.
Radio receiving apparatus. S. Tarzian. 1,814,774; July 14.
Radio receiving apparatus. A. F. Van Dyck. 1,824,517; Sept. 22.
Radio receiving apparatus and the like, Shielded. W. L. Bond. 1,816,718; July 28.
Radio receiving apparatus, Locally controlling. C. P. Hollister. 1,790,636; Jan. 27.
Radio receiving circuit. T. H. Berkland. Re18,055; Apr. 28.
Radio receiving circuit. M. M. Phillips. 1,818,157; Aug. 11.
Radio receiving circuit. R. K. Potter. 1,794,418; Mar. 3.
Radio receiving circuits, Distortion in. E. W. Ballentine. 1,801,479; Apr. 21.
Radio receiving device. F. A. Magee. 1,794,026; Feb. 24.
Radioreceiving loud speaker. W. H. Huth and B. B. Minnium. 1,825,232; Sept. 29.
Radio receiving set. A. A. Beste. 1,813,724; July 7.
Radio receiving set. F. A. Gehm. 1,835,036; Dec. 8.
Radio receiving set. W. J. Kayser. 1,825,070; Sept. 29.
Radio receiving set. C. W. Pierson. Des. 85,840; Dec. 22.
Radio receiving set. P. W. Willans and F. J. H. Charman. 1,829,175; Oct. 27.
Radio receiving set, Portable. F. A. Magee. 1,794,025; Feb. 24.
Radio receiving system. F. P. Benjamin. 1,788,975; Jan. 13.
Radio receiving system. E. G. Danielson. 1,809,027; June 9.
Radio receiving system. L. Etheridge. 1,829,131; Oct. 27.
Radio receiving system. H. C. Forbes. 1,836,461; Dec. 15.
Radio receiving system. L. L. Jones. 1,791,030; Feb. 3.
Radio receiving system. E. L. Koch. 1,797,988; Mar. 24.
Radio receiving system. F. A. Kolster. 1,830,948; Nov. 10.
Radio receiving system. W. T. Powell. 1,793,959; Feb. 24.
Radio receiving system. A. Ristow. 1,837,999; Dec. 22.
Radio receiving system. D. T. Simonds. 1,829,965; Nov. 3.
Radio receiving system. J. S. Stone. 1,789,419; Jan. 20.
Radio receiving system. F. J. Trainor. 1,831,519; Nov. 10.
Radio receiving system, Directionally-selective. R. S. Hoyt. 1,795,397; Mar. 10.
Radio receiving system, Remote control. A. M. Trogner. 1,826,845; Oct. 13.
Radio reception, Fading control system for. R. B. Dome. 1,814,832; July 14.
Radio recording means. R. M. Craig. 1,819,737; Aug. 18.
Radio remote control device. D. A. Stevenson. 1,814,346; July 14.
Radio sets, Controlling and indicating device for. R. H. Langley and J. K. Drexelius. 1,827,089; Oct. 13.
Radio sets, Knob for. C. C. Coen. 1,791,798; Feb. 10.
Radio signal measuring device. R. K. Potter. 1,831,881; Nov. 17.
Radio signaling. L. Cohen. 1,812,563; July 7.
Radiosignaling. L. Cohen. 1,821,906; Sept. 1.

Radio signaling. L. Cohen and A. Hund. 1,792,144; Feb. 10.
Radiosignaling. L. Cohen and A. Hund. 1,798,012; Mar. 24.
Radio signaling apparatus. G. O. Squier. 1,791,541; Feb. 10.
Radio signaling system. E. F. W. Alexanderson. 1,797,039; Mar. 17.
Radio signaling system. E. F. W. Alexanderson. 1,814,813; July 14.
Radio signaling system. R. D. Bangay. 1,821,921; Sept. 8.
Radio signaling system. C. A. Boddie and R. C. Curtis. 1,815,045; July 21.
Radio signaling system. I. F. Byrnes. 1,833,735; Nov. 24.
Radio signaling system. R. A. Heising. 1,836,594; Dec. 15.
Radio signaling system. M. Latour. 1,801,774; Apr. 21.
Radio signaling system. De L. K. Martin. 1,824,827; Sept. 29.
Radio signaling system. R. S. Ohl. 1,792,600; Feb. 17.
Radio signaling system. R. S. Ohl. 1,814,956; July 14.
Radio signaling system. G. T. Royden. 1,793,016; Feb. 17.
Radio signals, Emitting. E. Wildhaber. 1,799,576; Apr. 7.
Radio signals, Method and apparatus for broadcasting and receiving. H. C. De Vore. 1,828,831; Oct. 27.
Radiospeaker. A. A. Kent. 1,794,855; Mar. 3.
Radio speaker. A. A. Kent and R. T. Kingsford. 1,829,007; Oct. 27.
Radio static elimination. C. H. Seymour. 1,797,371; Mar. 24.
Radio switching control. L. J. Buttolph. 1,788,979; Jan. 13.
Radio system. F. B. Falknor. 1,799,976; Apr. 7.
Radio system. F. A. Kolster. 1,821,650; Sept. 1.
Radio system. F. A. Kolster. 1,828,705; Oct. 20.
Radio system. W. Kummerer. 1,819,469; Aug. 18.
Radio system. A. F. Van Dyck. 1,808,941; June 9.
Radio system. L. J. Wolf. 1,829,465; Oct. 27.
Radio system, Binaural phase-discrimination. S. Brand and P. Mertz. 1,797,317; Mar. 24.
Radio system, Directional. F. A. Kolster. 1,806,577; May 19.
Radiotable. A. Gommesen. 1,793,792; Feb. 24.
Ratiotable. L. Seutter. 1,793,753; Feb. 24.
Radio telegraph system. M. A. Noss. 1,832,237; Nov. 17.
Radio telegraphic receiving apparatus, High speed. J. Bethenod. 1,813,908; July 14.
Radio telephone and telegraph system. T. A. McCann. 1,823,948; Sept. 22.
Radio television system. E. L. Nelson. 1,830,173; Nov. 3.
Radio testing device. J. A. Burtch. 1,805,074; May 12.
Radio testing device. D. Hawley. 1,805,089; May 12.
Radio transformer. T. D. Yensen. 1,807,022; May 26.
Radio transmission of facsimiles. J. W. Labus. 1,792,312; Feb. 10.
Radio transmission system. W. E. Branch. 1,828,920; Oct. 27.
Radio transmission system. R. A. Heising. 1,795,858; Mar. 10.
Radio transmission system. F. A. Kolster. 1,792,746; Feb. 17.
Radio transmission system, Silent wave. E. E. Clement. 1,807,510; May 26.
Radio transmitters, Neutralizing system for. L. A. Gebhard. 1,829,273; Oct. 27.
Radiotransmitters, Power-supply system for. L. A. Gebhard. 1,799,224; Apr. 7.
Radio transmitting system. C. A. Boddie. 1,825,303; Sept. 29.
Radio transmitting system. R. L. Davis and C. W. Horn. 1,798,660; Mar. 31.
Radio transmitting system. D. G. Little. 1,801,870; Apr. 21.
Radio tube. J. Faigl. 1,832,288; Nov. 17.
Radio tuning apparatus. R. C. Enderwood. 1,834,272; Dec. 1.
Radio tuning device. L. H. Morin. 1,828,197; Oct. 20.
Radio tuning indicator. R. T. Kingsford and L. H. Davis. 1,810,351; June 16.
Radio tuning means. J. J. Christoffel. 1,833,986; Dec. 1.
Radio tuning mechanism. A. Crossley and L. H. Hanse. 1,809,509; June 9.
Radio tuning mechanism. W. Goodwin. 1,812,525; June 30.
Radio vacuum tube socket adapter. N. Zuckerman. 1,819,805; Aug. 18.
Radio vanity case. H. P. Pratt. 1,821,236; Sept. 1.
Radioscopy, radiography, and radiocinematography, Process and apparatus of. A. Dauvillier. 1,838,537; Dec. 29.
Radiotron tube testing machine, Automatic. J. E. Ferguson and C. A. Nicolai. 1,808,301; June 2.
Radium emanation jar. J. C. Wichmann. 1,817,329; Aug. 4.
Radium emanator. J. W. O'Neill. 1,815,213; July 21.
Radius gauge. G. A. Bells. 1,796,979; Mar. 17.
Radius gauge. E. J. Witchger. 1,825,987; Oct. 6.
Radius rod. C. J. Bock and W. D. Reese. 1,833,405; Nov. 24.
Radius rod construction. H. J. Kleppe. 1,836,376; Dec. 15.
Raft, Log. W. A. Dixon. 1,789,519; Jan. 2
Rafters, Bevel protractor for. L. D. Jannell. 1,827,014; Oct. 13.
Rag ripper. P. B. Rohner. 1,812,901; July 7.
Rail. G. Langford. 1,807,219; May 26.
Rail anchor. F. A. Preston. 1,809,987; June 16.
Rail anchor. H. G. Warr. 1,802,364; Apr. 28.
Rail anchor for railways. J. A. Hyle and M. Franks. Re17,999; Mar. 10.
Rail anchor, Railway. H. G. Norwood. 1,804,510; May 12.
Rail and making same, Box. F. E. Banfield, jr. 1,836,011; Dec. 15.
Rail and rail joint, Railway. S. G. Thomson. 1,796,414; Mar. 17.
Rail and rail joint, Railway. S. G. Thomson. 1,806,426–7; May 19.
Rail and rail-joint, Railway. S. G. Thomson. 1,816,099; July 28.
Rail and tie holding jack. O. J. Dickson. 1,814,901; July 14.
Rail and tie plate. F. C. Stowell. 1,806,094; May 19.
Rail bender, Railway-. L. E. Endsley. 1,799,680; Apr. 7.
Rail bond. P. P. Pipes. 1,822,059; Sept. 8.
Rail bond and making same. F. H. Neff. 1,831,539; Nov. 10.
Rail bond tester. F. W. Roller. 1,823,471; Sept. 15.
Rail brace, Adjustable. B. T. Gibbs, jr. 1,836,371; Dec. 15.
Rail bracket, Venetian blind tilt. F. J. Burns. 1,838,473; Dec. 29.
Rail brake. J. May. 1,800,895; Apr. 14.
Rail brake, Foldable block. K. R. Wenzel. 1,823,964; Sept. 22.
Rail brake, Weight automatic. K. E. Wenzel. 1,792,206; Feb. 10.
Rail brake, Weight automatic. K. E. Wenzel. 1,801,990; Apr. 21.
Rail chair. R. Blume. 1,827,217; Oct. 13.
Rail clamp. H. G. Spilsbury. 1,831,082; Nov. 10.
Rail clamp, Adjustable. R. J. Wells. 1,788,003; Jan. 6.
Rail clamping chair. J. C. Wolff and F. Pokall. 1,836,299; Dec. 15.
Rail connecting means. E. J. Bowden. 1,819,810; Aug 18.
Rail construction, Guard. H. R. Rick. 1,827,261; Oct. 13.
Rail contactor, Track. H. C. Clausen. 1,818,970; Aug. 18.
Rail coupling. W. A. Knox. 1,823,745; Sept. 15.
Rail coupling. A. A. Schaubhut. 1,821,325; Sept. 1.
Rail coupling. C. Walton and T. P. Walton. 1,787,886; Jan. 6.
Rail crossing. C. J. Bergundthal. 1,814,466; July 14.
Rail crossing. W. R. Hesskew. 1,811,129; June 23.
Rail crossing. C. Uschmann. 1,804,901; May 12.
Rail crossing, Electric. E. L. Fairbanks. 1,800,785; Apr. 14.
Rail crossover. S. R. Deacon. 1,799,888; Apr. 7.
Rail, Display. A. Hoffman. 1,800,386; Apr. 14.
Rail fastening. A. C. Jack. 1,826,316; Oct. 6.
Rail fastening. M. Rüping. 1,834,256; Dec. 1.
Rail fastening device. B. P. Andreianow. 1,812,917; July 7.
Rail fastening device. K. Vossloh. 1,815,815; July 21.
Rail-fastening means. C. Lössl. 1,798,092; Mar. 24.
Rail filler. A. C. Fischer. 1,803,179; Apr. 28.
Rail filler. H. L. Rogers. 1,807,174; May 26.
Rail filler. H. L. Rogers. 1,818,755; Aug. 11.
Rail fitting, Adjustable. C. H. Boller. 1,837,354; Dec. 22.
Rail-gauging device. L. B. Quam, M. W. Northington, and J. D. Sawyer. 1,793,961; Feb. 24.
Rail, Guard. G. R. Tarbox. 1,814,868; July 14.
Rail, Highway guard. J. H. Ramsey. 1,828,071; Oct. 20.
Rail, Highway guard. J. H. Ramsey, and C. A. Short. 1,824,368; Sept. 22.
Rail installation, System of third. H. L. Rogers. 1,813,199; July 7.
Rail joint. V. C. Armstrong. 1,796,230; Mar. 10.
Rail joint. V. C. Armstrong. 1,833,550; Nov. 24.
Rail joint. M. Bartus. 1,828,639; Oct. 20.
Rail joint. C. J. Bergundthal. 1,800,430; Apr. 14.
Rail joint. J. Brunner. 1,817,733; Aug. 4.
Rail joint. A. B. Clark. 1,831,227; Nov. 10.
Rail joint. B. S. Dickerson. 1,827,840; Oct. 20.
Rail joint. N. G. Franklin. 1,838,821; Dec. 29.
Rail joint. R. L. Johnson. 1,830,946; Nov. 10.
Rail joint. K. A. Lagergren. 1,828,502; Oct. 20.
Rail joint. G. Langford. Re18,213; Sept. 29.
Rail joint. C. Pascal. 1,810,622; June 16.
Rail joint. J. C. Rainey. 1,798,698; Mar. 31.
Rail joint. L. M. Serra. 1,804,280; May 5.
Rail joint. K. Sharp. 1,789,200; Jan. 13.
Rail joint. C. Shipski. 1,790,600; Jan. 27.
Rail joint. F. Speranza. 1,798,004; Mar. 24.
Rail joint. S. A. Sprinkle. 1,839,058; Dec. 29.
Rail joint. C. Timperio. 1,824,637; Sept. 22.
Rail joint. D. von Csillery. 1,801,785; Apr. 21.
Rail joint and bar. G. Langford. Re17,963; Feb. 10.
Rail joint and bar therefor. G. Langford. 1,799,382; Apr. 7.
Rail joint bar. G. Langford. 1,836,033; Dec. 15.
Rail joint bar, Forming a compromise. D. L. Braine. 1,818,880; Aug. 11.
Rail joint bar, Toeless. J. N. Meade. 1,811,951; June 30.
Rail joint bars, Making. G. Langford. 1,808,468; June 2.

Rail joint bars, Reforming worn. G. Langford. 1,836,032; Dec. 15.
Rail joint construction. B. G. Braine. 1,805,034; May 12.
Rail joint construction, welded. V. C. Armstrong. 1,817,225; Aug. 4.
Rail joint, Insulated. R. W. Payne. 1,795,140; Mar. 3.
Rail joint, Insulated. E. F. Schermerhorn. 1,797,621; Mar. 24.
Rail joint, Railway-. C. R. Gese. 1,797,500; Mar. 24.
Rail joint, Railway. H. J. Loeffelholz. 1,814,939; July 14.
Rail joint, Railway. F. L. Re Qua. 1,803,768; May 5.
Rail joint, Shimmed. C. A. Disbrow. 1,800,441; Apr. 14.
Rail joints, Insulating head piece for. E. F. Schermerhorn. 1,832,586; Nov. 17.
Rail lifter and spike pulley, Combined. J. Andrews, jr. 1,804,301; May 5.
Rail lubricator, Automatic. H. C. Gillespie. 1,833,782; Nov. 24.
Rail or similar article, Grab. S. D. Baker. Des. 85,851; Dec. 29.
Rail point. E. Fricke. 1,807,734; June 2.
Rail protector bracket, Third. W. C. Banks. 1,837,096; Dec. 15.
Rail-reconditioning machine. J. Trimble. 1,796,696; Mar. 17.
Rail retaining member. R. Faries and R. H. Boyd. 1,801,807; Apr. 21.
Rail retaining member. R. Faries and R. H. Boyd. 1,807,204; May 26.
Railroad. A. D. Hotchkiss. 1,833,217; Nov. 24.
Rail, Road. J. I. Rea. 1,789,689; Jan. 20.
Railroad automatic gates, System of. P. P. and L. E. Estevez. 1,787,674; Jan. 6.
Railroad construction. E. Brandt. 1,831,701; Nov. 10.
Railroad crossing gate. W. T. Ferguson. 1,823,596; Sept. 15.
Railroad equipment, Rerailing. E. M. Pressnall. 1,811,332; June 23.
Railroad frog. H. E. Muchnic. 1,793,240; Feb. 17.
Railroad gate. J. A. Drouin. 1,812,866; July 7.
Railroad permanent way construction. A. Rambacher. 1,813,952; July 14.
Railroad safety device. S. Drudi. 1,800,783; Apr. 14.
Railroad spreader A. W. Banton. 1,838,730; Dec. 29.
Railroad spreader. H. W. Protzeller. 1,816,869; Aug. 4.
Railroad spreader. H. W. Protzeller. 1,817,524; Aug. 4.
Railroad spreader. H. W. Protzeller. 1,822,312; Sept. 8.
Railroad spreader. V. G. Tellis. 1,836,049; Dec. 15.
Railroad switch. A. P. Lofstrand. 1,790,548; Jan. 27.
Railroad switch. N. Tuzzo. 1,797,933; Mar. 24.
Railroad tie. S. B. Ferguson. 1,819,019; Aug. 18.
Railroad tie. J. N. Hobart. 1,824,778; Sept. 29.
Railroad tie, Concrete. N. F. Brown and C. M. Reppert. 1,788,446; Jan. 13.
Railroad tie, Concrete. J. C. Buckbee. 1,814,239; July 14.
Railroad tie of composite reenforced concrete. R. F. Greenwood. 1,788,913; Jan. 13.
Railroad ties and fasteners for rails, Device for. J. M. Morton, jr. 1,821,720; Sept. 1.
Railroads by means of substitution trains and mechanical apparatus constituting the same, Substitution of. P. Guilbert, J. Legrand, and M. Lemaire. 1,826,069; Oct. 6.
Railroads, Interlocking device for. O. S. Field. 1,794,601; Mar. 3.
Railroads, Interlocking system for. J. C. Lindner. 1,794,629; Mar. 3.
Railroads, Interlocking system for. S. N. Wight 1,794,570; Mar. 3.
Rail, Running. N. C. Rendleman. 1,790,556; Jan. 27.
Rail sanding and cleaning device. H. G. Becker. 1,824,067; Sept. 22.
Rail splice. O. Crawford. 1,798,591; Mar. 31.
Rail-splicing structure. M. Thomson. 1,791,390; Feb. 3.
Rail structure. H. Kurz. 1,814,476; July 14.
Rail switch. J. B. Strong. Re18,216; Sept. 29.
Rail switch. J. B. Strong. 1,793,976; Feb. 24.
Rail, Switch point. A. Enstrom. 1,829,439; Oct. 27.
Rail tie plate. A. F. Schupp. 1,817,849; Aug. 4.
Rail turning device. H. M. Ely. Re18,210; Sept. 29.
Railway. H. W. Sanford. 1,802,445; Apr. 28.
Railway and tramway system. G. H. J. Maas. 1,802,436; Apr. 28.
Railway ballast, Handling machine. J. B. McWilliams. 1,815,950; July 28.
Railway booster. E. J. Bring. 1,805,071; May 12.
Railway booster motor. H. M. Pflager. 1,806,415; May 19.
Railway brake. C. J. Nash. 1,804,475; May 12.
Railway car brake. R. W. Joy. 1,827,474; Oct. 13.
Railway car brake. W. H. Lawrence. 1,820,196; Aug. 25.
Railway crossing. S. W. Balkwill. 1,803,420; May 5.
Railway crossing. C. Clark. 1,812,139; June 30.
Railway crossing. J. A. Dailey and L. W. Gerth. 1,793,779; Feb. 24.
Railway crossing. G. E. Nagel. 1,812,707; June 30.
Railway crossing and frog, Insulated. S. W. Balkwill. 1,833,063; Nov. 24.
Railway-crossing gate. W. P. Byrd. 1,799,728; Apr. 7.
Railway crossing gate. C. R. Sampson. 1,812,559; June 30.
Railway crossings, Vehicle check for. D. M. Benton. 1,791,997; Feb. 10.
Railway crossover. E. R. Edson. 1,800,722; Apr. 14.
Railway crosstie. W. H. Bettis. 1,797,631; Mar. 24.
Railway crosstie. H. M. Hadley. 1,824,776; Sept. 29.
Railway equipment, Electric. R. G. Williams. 1,802,994; Apr. 28.
Railway frog. J. Lavelle. 1,802,057; Apr. 21.
Railway interlocking apparatus. J. P. Coleman. 1,820,049; Aug. 25.
Railway interlocking apparatus. J. J. Vanhorn and H. C. Vantassel. 1,789,715; Jan. 20.
Railway joint chair. D. Herl. 1,812,786; June 30.
Railway or tramway rail joint. A. Hellermann. 1,838,064; Dec. 22.
Railway rail. I. Kulik. 1,788,435; Jan. 13.
Railway rail. M. Thomson. 1,819,980; Aug. 18.
Railway rolling stock. E. M. Nothacker. 1,827,854; Oct. 20.
Railway rolling stock, Retarding mechanism for. B. T. McGlone. 1,838,275; Dec. 29.
Railway signal. V. P. Carter. 1,809,374; June 9.
Railway signaling. C. W. Bell. 1,802,368; Apr. 28.
Railway signaling. C. A. Brooks. 1,815,458; July 21.
Railway signaling. J. M. Pelikan. 1,791,838; Feb. 10.
Railway signaling. E. C. Sasnett. 1,791,168; Feb. 3.
Railway signaling system. M. A. Penrod and C. A. Brooks. 1,792,864; Feb. 17.
Railway, Single-rail. T. Roghmanns. 1,798,852; Mar. 31.
Railway structure. L. T. Schuberth. 1,820,034; Aug. 25.
Railway structure, Pleasure. J. A. Miller. 1,825,468; Sept. 29.
Railway switch. A. Dougherty. 1,799,008; Mar. 31.
Railway switch. R. A. Overmiller. 1,825,415; Sept. 29.
Railway switch, Automatic. T. E. Blackwell and L. T. Smith. 1,811,776; June 23.
Railway switch, Automatic. R. Patoran. 1,791,308; Feb. 3.
Railway switch stand. W. M. Gray. 1,814,306; July 14.
Railway system, Third-rail electric. R. F. Allen. 1,795,591; Mar. 10.
Railway tie. W. R. Hewitt. 1,834,342; Dec. 1.
Railway tie. D. B. MacNeir. 1,818,145; Aug. 11.
Railway tie and associated parts, Metallic. C. S. Davis. 1,791,592; Feb. 10.
Railway tie, Concrete. W. C. Yeomans. 1,795,817; Mar. 10.
Railway track. R. Faries. 1,803,009; Apr. 28.
Railway track system. A. Henderson. 1,820,911; Sept. 1.
Railway traffic controlling apparatus. P. P. Stoker. Re18,264–5; Nov. 24.
Railways, Superstructure for. R. Scheibe. 1,803,073; Apr. 28.
Railing. J. F. Williams. 1,832,271; Nov. 17.
Railing, Bridge. P. E. Hunter. 1,796,712; Mar. 17.
Railing fittings. T. G. Sutherland. 1,818,172; Aug. 11.
Rails, Anticreeper for railway. J. Dellwo. 1,799,041; Mar. 31.
Rails, Anticreeper for railroad. W. I. Russell. 1,812,757; June 30.
Rails, Double slip point for. W. Germann. 1,794,287; Feb. 24.
Rails, Fastening down. M. Rüping. 1,798,357; Mar. 31.
Rails, Manufacture of railway and tramway. C. P., O. F. A., and N. P. P. Sandberg. 1,827,616; Oct. 13.
Rails, Sleeper block for railway. R. J. Wells. 1,792,620; Feb. 17.
Rails with hardened heads, Manufacture of. H. Kurz. 1,828,325; Oct. 20.
Raising and lowering mechanism for chair seats, Hydraulic. A. R. Schwarzkopf. 1,806,713; May 26.
Rake: *See*—
Brush rake.
Hay rake.
Lawn rake.
Power brush rake.
Quack-grass rake.
Rack rake.
Self cleaning rake.
Self clearing rake.
Sweep rake.
Rake. O. Erickson. 1,791,266; Feb. 3.
Rake. B. C. Huffman. 1,818,063; Aug. 11.
Rake. H. G. Kimber. 1,831,009; Nov. 10.
Rake. F. H. Machen. 1,821,522; Sept. 1.
Rake. C. Pearson. 1,811,062; June 23.
Rake. C. J. Rocquin. 1,837,677; Dec. 22.
Rake and cutter, Combined. A. C. Pihl. 1,800,103; Apr. 7.
Rake and tedder, Combination. A. E. Rutter. 1,830,040; Nov. 3.
Rake and tedder, Combined. J. Duyn. 1,799,091; Mar. 31.
Rake clearer, Sweep. M. Vineyard. 1,809,767; June 9.
Rake, gatherer, loader and buncher, Hay. W. B. Vaughn. 1,807,357; May 26.
Raking machine for road paving, Material. A. W. French. 1,801,420; Apr. 21.
Rakes, Attachment for hay. F. F. Silva. 1,838,670; Dec. 29.
Rakes, Push off device for hay. J. H. Cope. 1,802,594; Apr. 28.
Ram system, Hydraulic. W. K. McFarlin. 1,829,051; Oct. 27.
Ramming machine for forming pipe moulds. R. Ardelt. 1,799,076; Mar. 31.
Range. J. W. Beck. 1,836,434; Dec. 15.
Range. J. C. Boylan. Des. 85,463; Nov. 3.
Range. A. H. Brodbeck. Des. 85,609; Nov. 24.
Range. W. A. Cooper. Des. 82,979; Jan. 6.
Range. L. E. Lilge. 1,834,916; Dec. 1.
Range. B. E. Meacham. Des. 83,001; Jan. 6.

Range. J. P. Roesch. Des. 85,396; Oct. 20.
Range. A. Stockstrom. Des. 83,073; Jan. 13.
Range. A. Stockstrom. Des. 84,663; July 14.
Range. A. Stockstrom. Des. 85,129; Sept. 15.
Range. A. Stockstrom. Des. 85,132; Sept. 15.
Range. A. Stockstrom. Des. 85,497; Nov. 3.
Range. A. W. Walker. Des. 85,217; Sept. 22.
Range. G. D. Wilkinson and E. D. Pellegrin. Des. 84,557; June 30.
Range. G. D. Wilkinson and E. D. Pellegrin. Des. 84,772; July 28.
Range and bearing keeper. H. C. Ford. 1,827,812; Oct. 20.
Range and cabinet and refrigerator unit, Combination closed-top gas or electric cook. J. Teller. Des. 83,023; Jan. 6.
Range and refrigerator, Combined cabinet gas or electric. J. Teller and A. P. Schulz. Des. 85,792; Dec. 15.
Range and refrigerator, Combined gas or electric cabinet. J. Teller and A. P. Schulz. Des. 85,895; Dec. 29.
Range base. J. F. Lee. 1,838,272; Dec. 29.
Range, Cabinet cooking. J. Teller and A. P. Schulz. Des. 85,353; Oct. 13.
Range, Cabinet gas. W. F. Rogers. Des. 83,128; Jan. 20.
Range, Closed-top cabinet gas, electric, or oil. J. Teller and A. P. Schulz. Des. 83,769; Mar. 24.
Range construction, Gas. L. S. Kauffman. 1,828,665; Oct. 20.
Range. Dining car. J. Wiedemann. Des. 84,666; July 14.
Range, Electric. R. J. Patterson. 1,816,866; Aug. 4.
Range, Electric. C. D. Starr. 1,804,130; May 5.
Range finder, Second-of-time. W. Q. Kennedy. 1,787,944; Jan. 6.
Range, Fuel electric. A. Barnsteiner. Des. 83,243; Feb. 10.
Range, Gas. W. D. Antrim. 1,810,810; June 16.
Range, Gas. H. H. Heidbreder. Des. 84,892; Aug. 18.
Range, Gas. G. E. Pickup. 1,810,725; June 16.
Range, Gas. G. A. Robinson. 1,805,923; May 19.
Range, Gas. A. Stockstrom and A. H. Brodbeck. 1,839,128; Dec. 29.
Range, Gas or electric cabinet. J. Teller and A. P. Schulz. Des. 85,626; Nov. 24.
Range, Gas or electric cooking. J. Teller, and A. P. Schulz. 1,820,849; Aug. 25.
Range, Insulated. H. Moecker, jr. 1,810,842; June 16.
Range, Kitchen heater gas. L. Moore. Des. 84,428; June 16.
Range or similar article. A. Stockstrom. Re18,121; July 7.
Range, Side-oven closed-top cabinet gas or electric. J. Teller and A. P. Schulz. Des. 83,078; Jan. 13.
Range, Side oven folding closed top cabinet gas or electric. J. Teller. Des. 85,625; Nov. 24.
Range top, Gas or electric. J. Teller and A. P. Schulz. Des. 85,013; Sept. 1.
Range top section, Gas. J. Teller and A. P. Schulz. Des. 85,136; Sept. 15.
Ranges, Service drawer for. H. Moecker, jr. 1,810,843; June 16.
Rat or mouse trap. C. E. Bunker. 1,796,503; Mar. 17.
Rat trap. A. A. Hein and H. F. Smith. 1,802,253; Apr. 21.
Rat trap. H. B. Kimbrell. 1,807,537; May 26.
Rat trap. E. T. Ross and F. G. Veatch. 1,799,323; Apr. 7.
Ratchet action for car-brake operating mechanism. W. D. Brewster. 1,832,805; Nov. 17.
Ratchet jack. F. L. Gormley. 1,798,879; Mar. 31.
Ratchet mechanism. R. Baccellieri and A. De Rentiis. 1,797,675; Mar. 24.
Ratchet mechanism. C. Bodmer. 1,825,936; Oct. 6.
Ratchet mechanism for operating bench vises. K. Schmid. 1,800,907; Apr. 14.
Ratchet pinion, Laminated. A. W. Sharp. 1,835,345; Dec. 8.
Ratchet wheel. H. Maashoff. 1,800,945; Apr. 14.
Ratchet wrench. C. W. Helbling. 1,808,350; June 2.
Ratchet wrench. W. R. Klein. 1,827,202; Oct. 13.
Ratchet wrench. R. E. Siess and D. J. La Bauve. 1,815,804; July 21.
Ratchet wrench, Automatic. J. C. Hochman. 1,837,819; Dec. 22.
Ratchet wrench, Reversible. J. H. Dodge. 1,798,194; Mar. 31.
Rate change device. E. J. and R. S. Condon. 1,817,036; Aug. 4.
Ratio between two variables, particularly adapted for metering viscous fluids, Apparatus for obtaining the. F. N. Connet. 1,795,250; Mar. 3.
Ratio recorder. B. S. Franklin. 1,826,762; Oct. 13.
Rattan, Coloring. R. W. Spofford. 1,825,102; Sept. 29.
Rattle preventing and sealing means. W. Elmenthaler. 1,835,030; Dec. 8.
Rattle, Voice doll. M. Cohn. 1,818,306; Aug. 11.
Rayon and the product produced thereby, Treatment of. J. Hirschberger. 1,819,241; Aug. 18.
Rayon filament, Manufacture of. A. E. Guenther and H. S. Toole. 1,787,575; Jan. 6.
Rayon, Restoring the luster to. G. Lardy. 1,803,672; May 5.
Rayon, Treating. A. Reilly. 1,794,342; Feb. 24.
Rays, Method and apparatus for projecting multicolor. W. L. Isbills. 1,828,971; Oct. 27.
Razor. M. Alland. 1,822,864; Sept. 8.
Razor. M. B. Behrman. 1,791,550; Feb. 10.
Razor. M. B. Behrman. 1,794,137; Feb. 24.
Razor. M. B. Behrman. 1,798,447; Mar. 31.
Razor. G. Dalkowitz. 1,826,745; Oct. 13.
Razor. J. Dean. 1,792,415; Feb. 10.
Razor. B. Goldman. 1,826,876; Oct. 13.
Razor. R. J. Hodge. 1,823,100; Sept. 15.
Razor. A. Leenhouts. 1,821,975; Sept. 8.
Razor. P. N. Peters. 1,821,574; Sept. 1.
Razor. H. R. Segal. 1,816,659; July 28.
Razor. S. Segal. 1,826,530; Oct. 6.
Razor. M. F. Thau. 1,832,155; Nov. 17.
Razor. R. G. Winkler. 1,824,252; Sept. 22.
Razor, Adjustable safety. R. E. Thompson. 1,794,655; Mar. 3.
Razor and hair cutter, Safety. M. J. Duffy. 1,822,766; Sept. 8.
Razor and safety razor blade, Safety. R. E. Thompson. 1,814,418; July 14.
Razor and sharpening mechanism, Combined safety. L. V. Aronson. 1,826,410; Oct. 6.
Razor and stropper, Combined safety. P. Friel. 1,810,559; June 16.
Razor, Automatic re-fill multiple shaving edge safety. H. H. Straus. 1,823,708; Sept. 15.
Razor, Automatic safety. H. R. Segal. 1,816,658; July 28.
Razor blade. H. Swan. 1,798,283; Mar. 31.
Razor blade conditioning device. C. L. Willcox. 1,837,352; Dec. 22.
Razor blade discard. L. W. Slack. 1,808,580; June 2.
Razor-blade-retaining element. J. Kaufman. 1,799,517; Apr. 7.
Razor blade, Safety. M. Anderson. 1,825,766–7; Oct. 6.
Razor blade, Safety. W. C. Rogers. 1,808,480; June 2.
Razor blade, Safety. R. E. Thompson. 1,813,470; July 7.
Razor blade, Safety. P. H. Unsinger. 1,823,339; Sept. 15.
Razor blade strips, Heat treating. T. C. Sheehan. 1,824,410; Sept. 22.
Razor blades, Apparatus for sharpening. T. J. Stephens. 1,803,364; May 5.
Razor blades, Device for grinding. D. Hörtinger. 1,832,982; Nov. 24.
Razor blades, Making. T. C. Sheehan. 1,838,116; Dec. 29.
Razor case. R. E. Thompson and R. M. Dugdale. 1,821,365; Sept. 1.
Razor case, Safety. P. C. Cartier. 1,815,459; July 21.
Razor conditioning and device therefor, Magnetic. J. S. Forbes. 1,795,717; Mar. 10.
Razor, Electric. S. Shaler. 1,833,916; Dec. 1.
Razor, Electrically operated safety. J. F. Barry. 1,832,961; Nov. 24.
Razor, Folding safety. M. L. Riviére. 1,791,428; Feb. 3.
Razor frame, Safety. H. R. Segal. 1,829,546; Oct. 27.
Razor handle. E. Fischer. Des. 83,193; Feb. 3.
Razor handle, Safety. M. C. Dellinger. 1,819,742; Aug. 18.
Razor, Magazine safety. H. H. Straus. 1,825,429; Sept. 29.
Razor operating mechanism. W. J. Cameron. 1,832,001; Nov. 17.
Razor, Safety. M. B. Behrman. 1,798,448–9; Mar. 31.
Razor, Safety. M. B. Behrman. 1,805,509; May 19.
Razor, Safety. T. W. Bigoney. 1,791,552–3; Feb. 10.
Razor, Safety. C. C. Blackmore. 1,788,614; Jan. 13.
Razor, Safety. I. S. Bodkin. 1,826,341; Oct. 6.
Razor, Safety. F. E. Brazeal. 1,798,831; Mar. 31.
Razor, Safety. E. C. Carman. 1,795,248; Mar. 3.
Razor, Safety. J. G. Coleman. 1,817,966; Aug. 11.
Razor, Safety. J. G. Coleman. 1,826,600; Oct 6
Razor, Safety. J. E. Connolly. 1,825,335; Sept. 29.
Razor, Safety. J. E. Connolly. 1,833,242; Nov. 24.
Razor, Safety. L. E. Curdes. 1,819,876; Aug. 18.
Razor, Safety. E. W. Ericsson. 1,803,177; Apr. 28.
Razor, Safety. N. H. Fairweather and J. D. Verner. 1,799,965; Apr. 7.
Razor, Safety. F. G. Faust. 1,797,334; Mar. 24.
Razor, Safety. E. M. Finn. 1,824,338; Sept. 22.
Razor, Safety. P. A. Frank. 1,820,218; Aug. 25.
Razor, Safety. H. J. Gaisman. 1,796,260–1; Mar. 10.
Razor, Safety. H. J. Gaisman. 1,802,171–2; Apr. 21.
Razor, Safety. H. J. Gaisman. 1,816,428; July 28.
Razor, Safety. H. J. Gaisman. 1,820,659; Aug. 25.
Razor, Safety. H. J. Gaisman. 1,823,976; Sept. 22.
Razor, Safety. H. J. Gaisman. 1,826,764; Oct. 13.
Razor, Safety. O. Goetzke. 1,813,699; July 7.
Razor, Safety. W. P. Grath. 1,831,171; Nov. 10.
Razor, Safety. C. H. Hapgood Re17,941; Jan. 27.
Razor, Safety. H. B. Hartman. 1,827,148; Oct. 13.
Razor, Safety. G. H. Heymann and E. D. Rose. 1,825,795; Oct. 6.
Razor, Safety. J. Holtzman. 1,833,079; Nov. 24.
Razor, Safety. J. S. Isdale. 1,824,779; Sept. 29.
Razor, Safety. P. R. Kaempfe. 1,797,150; Mar. 17.
Razor, Safety. G. W. Kittle. 1,790,546; Jan. 27.
Razor, Safety. T. R. S. Kynnersley. 1,795,956; Mar. 10.
Razor, Safety. F. J. Lewando. 1,825,910; Oct. 6.
Razor, Safety. J. H. Lind. 1,831,017; Nov. 10.
Razor, Safety. G. D. Marcy. 1,817,925; Aug. 11.
Razor, Safety. C. A. Miller. 1,823,839; Sept. 15.
Razor, Safety. R. H. Parker. 1,822,903; Sept. 15.
Razor, Safety. W. H. Parry. 1,821,072; Sept. 1.
Razor, Safety. F. Pelosi. 1,807,342; May 26.
Razor, Safety. M.-L. Riviere. 1,799,569; Apr. 7.
Razor, Safety. W. C. Rogers. 1,830,563; Nov. 3.

Razor, Safety. J. Schick. 1,791,042; Feb. 3.
Razor, Safety. J. Schick. 1,797,733; Mar. 24.
Razor, Safety. C. Schumacher. 1,832,834; Nov. 17.
Razor, Safety. A. Schwarz. 1,816,404; July 28.
Razor, Safety. J. T. Scully. 1,822,379; Sept. 8.
Razor, Safety. H. O. Secrest. 1,827,041; Oct. 13.
Razor, Safety. H. R. Segal. 1,816,657; July 28.
Razor, Safety. J. C. Sherman. 1,831,145; Nov. 10.
Razor, Safety. T. L. Smith. 1,812,500; June 30.
Razor, Safety. W. A. Sneed. 1,831,579; Nov. 10.
Razor, Safety. B. Taylor. 1,791,855; Feb. 10.
Razor, Safety. R. E. Thompson. 1,794,656; Mar. 3.
Razor, Safety. R. E. Thompson. 1,804,718; May 12.
Razor, Safety. R. E. Thompson. 1,813,471; July 7.
Razor, Safety. R. E. Thompson. 1,815,745; July 21.
Razor, Safety. R. E. Thompson. 1,820,408; Aug. 25.
Razor, Safety. R. E. Thompson. 1,823,808; Sept. 15.
Razor, Safety. R. E. Thompson. 1,824,753; Sept. 22.
Razor, Safety. R. E. Thompson. 1,825,836; Oct. 6.
Razor, Safety. E. G. Tornkvist. 1,830,576; Nov. 3.
Razor, Safety. D. H. van Hasselt and P. Monnoyeur. 1,798,820; Mar. 31.
Razor, Safety. V. S. Ventimiglia. 1,801,889; Apr. 21.
Razor, Safety. A. V. Watson. 1,805,895. May 19.
Razor, Safety. J. R. Watts. 1,834,813; Dec. 1.
Razor, Safety. F. Wiese. 1,812,422; June 30.
Razor, Safety. J. M. Zumwalt. 1,821,825; Sept. 1.
Razor sets and the like, for drying the razor blades after shaving, Attachment for safety. D. W. B. Kurtz, jr. 1,835,408; Dec. 8.
Razor, Vibratory safety. S. Shaler. 1,788,547; Jan. 13.
Razors, Hair trimming attachment for safety. H. C. Warner. 1,825,494; Sept. 29.
Reaction between an aqueous reagent and impurities in oil, Causing a. A. E. Flowers. 1,818,702; Aug. 11.
Reaction control, System of. J. M. Miller. 1,787,950; Jan. 6.
Reaction determination and control especially for the production of hydrate from quicklime. C. R. Rex. 1,796,396; Mar. 17.
Reaction of substances, Testing. E. Truog. 1,831,894; Nov. 17.
Reaction product of salicylic acid and hexamethylnetetramine and producing same. L. Pink. 1,825,636; Sept. 29.
Reaction relief device. O. H. Klotz. 1,818,895; Aug. 11.
Reaction, System for reducing or eliminating. J. M. Miller. 1,790,165; Jan. 27.
Reader, Keyboard and staff. E. L. Buxton. 1,833,204; Nov. 24.
Reading chair. E. O. Klemm and K. R. Otto. Des. 84,152; May 12.
Reading glass. J. B. Bander. 1,814,540; July 14.
Reading machine. B. A. Fiske. 1,822,651; Sept. 8.
Reading maps and writings, looking at pictures and the like, Device for. S. Samson and A. Vocke. 1,818,757; Aug. 11.
Reading stand. H. E. West. 1,807,500; May 26.
Reagent feeder. J. P. Ruth, jr. 1,833,537; Nov. 24.
Reagent feeding. L. M. Barker. 1,820,210; Aug. 25.
Reagent for sweetening gasoline. H. H. Cannon. 1,798,784; Mar. 31.
Reagents to solutions, Controlling the application of. W. C. Graham. 1,808,546; June 2.
Reamer. L. O. Beard. 1,810,263; June 16.
Reamer. W. H. Evans. 1,827,511; Oct. 13.
Reamer. A. C. Hoeh. 1,818,621; Aug. 11.
Reamer. N. L. Huff. 1,793,484; Feb. 24.
Reamer. J. W. MacClatchie. 1,792,697; Feb. 17.
Reamer. R. C. McClay. 1,797,582; Mar. 24.
Reamer. W. A. Neller. 1,791,902; Feb. 10.
Reamer, Adjustable. C. L. Kessler. 1,829,485; Oct. 27.
Reamer and pilot therefor. H. O. Smith. 1,831,371; Nov. 10.
Reamer and underreamer. J. Grant. 1,812,043; June 30.
Reamer attachment for die stocks. R. E. Elliott. 1,801,730; Apr. 21.
Reamer blade. C. B. Kennedye. 1,811,273; June 23.
Reamer, Expanding rotary. J. Grant. 1,819,367. Aug. 18.
Reamer, Expansible. F. S. Hartwell. 1,791,205; Feb. 3.
Reamer, Expansible. E. F. Raymond. 1,788,633; Jan. 13.
Reamer for drill bits. A. J. McCloskey. 1,803,267; Apr. 28.
Reamer for earth-boring apparatus. C. E. Reed. 1,792,869; Feb. 17.
Reamer head, Self centering. G. W. McCune. 1,838,564; Dec. 29.
Reamer, Helical bladed. W. J. Kattrein and F. W. Becker. 1,809,975; June 16.
Reamer, Renewable. S. L. Campbell. 1,810,201; June 16.
Reamers, Hold down sleeve for expansive. J. Grant. 1,806,625; May 26.
Reamers, Making spiral. J. B. Dillard. 1,798,314; Mar. 31.
Receiver. C. W. Hansell. 1,810,475; June 16.
Receiver and holder, Combined. E. S. Sutton. 1,838,163; Dec. 29.
Receiver and microphone, Combined. F. C. Young. 1,797,891; Mar. 24.
Receiver for high-frequency electric signals. W. J. Brown and C. R. Burch. 1,790,197; Jan. 27.
Receiver or similar article, Ash. M. Barclay. Des. 85,852; Dec. 29.
Receiving apparatus for electric telegraphs. H. Pein. 1,789,637; Jan. 20.
Receiving apparatus, Radio. J. Robinson. 1,821,033; Sept. 1.
Receiving device with distant control, Radio. E. F. Andrews. 1,791,783; Feb. 10.
Receptacle. N. M. Baker. 1,813,135; July 7.
Receptacle. R. E. Boiseau. 1,792,356; Feb. 10.
Receptacle. J. Bott. 1,798,398; Mar. 31.
Receptacle. W. C. Carlson. 1,813,659; July 7.
Receptacle. C E.. Daniel. 1,831,290; Nov. 10.
Receptacle. G. Dufour. 1,814,671; July 14.
Receptacle. P. A. Gardner, jr. 1,832,625; Nov. 17.
Receptacle. A. J. Ginsberg. 1,807,476; May 26.
Receptacle. F. A. Hohler. 1,796,024; Mar. 10.
Receptacle. H. L. Magill. 1,802,952; Apr. 28.
Receptacle. S. Segal. 1,833,621; Nov. 24.
Receptacle. M. Sekerak. 1,838,578; Dec. 29.
Receptacle. W. T. Soulis. 1,798,339; Mar. 31.
Receptacle. H. J. Ven Roy and W. J. Berendsen. 1,793,765; Feb. 24.
Receptable. L. E. Westing. 1,790,962; Feb. 3.
Receptacle, Adjustable electric. S. F. Howk. 1,812,956; July 7.
Receptacle and cigarette snuffer, Combination tobacco ash. S. L. Moody and W. M. Loucks. Des. 84,791; Aug. 4.
Receptacle and closure therefor, Metallic. V. E. Cornell. 1,792,278–81; Feb. 10.
Receptacle and container, Automatically locked. E. W. Johnson. 1,810,656; June 16.
Receptacle and cover. L. C. Schwalbach. 1,803,137; Apr. 28.
Receptacle and cover, Ash tray. A. Earles and E. H. Barbe. 1,833,517; Nov. 24.
Receptacle and cover construction. S. E. Allerton. 1,828,991; Oct. 27.
Receptacle and holder. G. G. McCaskey. 1,794,700; Mar. 3.
Receptacle and improved fastener therefor, Lock controlled. H. R. Walrath. 1,819,449; Aug. 18.
Receptacle and lighter. A. Leitheuser. 1,831,014; Nov. 10.
Receptacle and support for electric fixtures, Combination. J. Mangin. 1,796,036; Mar. 10.
Receptacle and toothbrush holder, Combined. B. Kennedy. 1,803,194; Apr. 28.
Receptacle, Article. L. M. Todd. 1,791,586; Feb. 10.
Receptacle, Ash. E. W. Huttig. Des. 84,417; June 16.
Receptacle, Ash. S. J. Kimball. 1,802,947; Apr. 28.
Receptacle, Ash. E. Schultz. 1,800,665; Apr. 14.
Receptacle attachment. A. C. Sladky. 1,806,184; May 19.
Receptacle, Attachment plug. L. M. Hausmann and J. A. Widmer. 1,816,847; Aug. 4.
Receptacle, Attachment plug. G. A. and A. A. Johnson. 1,810,481; June 16.
Receptacle, Audion. H. E. Fuller. 1,800,827; Apr. 14.
Receptacle baffle, Electric. N. G. Haering. 1,829,648; Oct. 27.
Receptacle, Beverage bottle carrying. E. F. Morin. 1,813,190; July 7.
Receptacle, Brush-holding. E. Pearson. 1,800,151; Apr. 7.
Receptacle, Cash. C. J. Stewart. 1,795,152; Mar. 3.
Receptacle cleaning means. A. Griffiths. 1,814,508; July 14.
Receptacle closure. C. H. Bell. 1,833,928; Dec. 1.
Receptacle closure cap. H. Ingram. 1,787,626; Jan. 6.
Receptacle, Concealed waste. W. F. Roberts. 1,788,328; Jan. 6.
Receptacle, Conduit. J. Colitz. 1,826,708; Oct. 13.
Receptacle, Cream. M. Dovidaitis. 1,831,527; Nov. 10.
Receptacle, Deposit. G. Coughlin. 1,805,760; May 19.
Receptacle, Desk-set. W. Guyot. 1,793,610; Feb. 24.
Receptacle, Dispensing. J. Andrassy. 1,813,131; July 7.
Receptacle, Dispensing. E. Soyez. 1,794,344; Feb. 24.
Receptacle, Display. F. G. Huber. 1,823,324; Sept. 15.
Receptacle, Display. J. S. Villeré. 1,828,264; Oct. 20.
Receptacle, Edible. R. S. Scruggs. 1,815,527; July 21.
Receptacle, Electric. T. A. Both. 1,835,554; Dec. 8.
Receptacle, Electric. H. Hubbell, jr. 1,824,956; Sept. 29.
Receptacle, Electric lamp. H. J. Morey and C. L. Nicholson. 1,816,292; July 28.
Receptacle, Electrical. F. J. Hines. 1,823,143; Sept. 15.
Receptacle, Electrical. F. J. Hines. 1,830,466; Nov. 3.
Receptacle, Electrical. T. J. Madigan. 1,817,441; Aug. 4.
Receptacle, Electrical connecter. L. R. Taylor. 1,810,687; June 16.
Receptacle evacuating apparatus. H. J. Engbrecht. 1,817,918; Aug. 11.
Receptacle evacuating apparatus. H. J. Engbrecht. 1,818,122; Aug. 11.
Receptacle, Feeding. A. Lage. 1,796,466; Mar. 17.
Receptacle filling apparatus. E. L. Jones. 1,824,899; Sept. 29.
Receptacle, Flexible pocket. W. R. Buxton. 1,824,943; Sept. 29.
Receptacle, Fly and leader. H. Brucker. 1,820,648; Aug. 25.
Receptacle, Flush. C. M. Petersen. 1,821,031; Sept. 1.
Receptacle for automobiles, Stub and ash. C. A. Benjamin. 1,817,288; Aug. 4.
Receptacle for a vacuum cleaner, Combined casing and dust bag. L. C. Packer. Des. 85,762; Dec. 15.

Receptacle for bottles and jars, Closure. J. L. M. Guenard. 1,806,256; May 19.
Receptacle for cigarette ashes and the like. W. F. Herold. 1,804,163; May 5.
Receptacle for desk sets. E. J. Kastner. Des. 83,109; Jan. 20.
Receptacle for golf games, Putting. W. B. Jaspert. 1,833,524; Nov. 24.
Receptacle for heat radiators, Evaporating. C. G. Widell. 1,816,415; July 28.
Receptacle for holding and forwarding victuals and foodstuffs. K. Richter. 1,837,068; Dec. 15.
Receptacle for inflammable liquids, Safety. W. Raster. 1,819,037; Aug. 18.
Receptacle for packing ampules. G. P. Metz. 1,826,809; Oct. 13.
Receptacle for petroleum and the like. H. F. Abrams and E. G. Into. 1,800,975; Apr. 14.
Receptacle for smokers' articles or similar devices, Combination. J. Borovitz. Des. 83,660; Mar. 17.
Receptacle for smokers' articles or similar devices, Combined. J. Borovitz. Des. 84,071; May 5.
Receptacle for smokers' use, Ash. W. M. Wolf. Des. 82,124; May 5.
Receptacle, Garbage. F. Pearson. 1,801,934; Apr. 21.
Receptacle heading apparatus. L. B. Winton. 1,837,246; Dec. 22.
Receptacle, Illuminated. A. M. Kenny. 1,837,447; Dec. 22.
Receptacle, Insulated. H. Poettich. 1,832,502; Nov. 17.
Receptacle, Lamp. L. C. Breetz. 1,836,571; Dec. 15.
Receptacle, Laundry. S. Katzman. 1,810,563; June 16.
Receptacle, Liquid-dispensing. J. G. B. Chambers. 1,790,228; Jan. 27.
Receptacle, Liquid measuring. M. Lumley. 1,822,703; Sept. 8.
Receptacle, Metallic. H. H. Ward. 1,808,483–4; June 2.
Receptacle mold. C. J. Zube. 1,787,503; Jan. 6.
Receptacle, Molded. H. P. Chandler. 1,820,375; Aug. 25.
Receptacle, Mop cleaning. C. H. McConnell. 1,803,339; May 5.
Receptacle, Newspaper. H. Steen. 1,815,219; July 21.
Receptacle, Outlet. C. Newman and E. G. Appleton. 1,820,626; Aug. 25.
Receptacle, Oyster. G. A. Kegel. 1,810,080; June 16.
Receptacle, Paper. J. J. Brell. 1,794,577; Mar. 3.
Receptacle, Receiving. A. W. Schneeman. 1,831,467; Nov. 10.
Receptacle, Refuse. G. Herzberger. 1,814,803; July 14.
Receptacle, Refuse. E. J. Pavelka. 1,810,784; June 16.
Receptacle, Rubbish or garbage. J. Tillinger. 1,816,411; July 28.
Receptacle, Smoker's. B. Putterman. 1,806,418; May 19.
Receptacle, Sputum. W. Kundt. 1,796,999; Mar. 17.
Receptacle, Street lighting waste. M. J. Kavanagh. 1,816,974; Aug. 4.
Receptacle, Tobacco ash. E. Schultz. Des. 85,117; Sept. 15.
Receptacle, Tobacco ash. E. Schultz. Des. 85,208; Sept. 22.
Receptacle, Vacuum cleaner. E. E. Gudka. 1,832,846; Nov. 24.
Receptacle wall, Ice freezingg. F. G. Sherer. 1,803,734; May 5.
Receptacle, Wall or floor. E. J. Schutt. 1,825,638; Sept. 29.
Receptacle, Warning light. W. C. Tregoning. 1,802,360; Apr. 28.
Receptacle, Waste. S. L. Buschman. 1,820,554–5; Aug. 25.
Receptacle, Waste. J. Douglas. 1,804,213; May 5.
Receptacle, Water cooled strainer. S. Daniels. 1,830,093; Nov. 3.
Receptacle, Waterproof. D. H. Strayer. 1,820,582; Aug. 25.
Receptacle with trays. S. F. Pratt and A. H. Hansen. 1,835,897; Dec. 8.
Receptacles and the like and its manufacture, Face-plate for flush. A. Seltzer. 1,829,422; Oct. 27.
Receptacles, Apparatus for attaching the heads of sheet metal. C. J. Rhodes. 1,811,405; June 23.
Receptacles, Apparatus for making. H. O. Berg. 1,813,379; July 7.
Receptacles, Closing and sealing conical paper. H. L. Kollmar. 1,789,442; Jan. 20.
Receptacles for spectacles. A. J. Pratt. 1,834,419; Dec. 1.
Receptacles, Manufacture of double walled. C. G. Fink and W. G. King, jr. 1,816,476; July 28.
Receptacles, Manufacturing large. J. K. Wirth. 1,789,642; Jan. 20.
Receptacles, such as dust-carts, Complete filling and emptying of. J. Bauer and A. Umbach. 1,831,648; Nov. 10.
Receptacles with liquid, Apparatus for filling. H. Olson. 1,831,028; Nov. 10.
Reciprocating apparatus. B. Ames. 1,821,685; Sept. 1.
Reciprocating engine. J. L. Livingston. 1,793,107; Feb. 17.
Reciprocating mechanism. W. Bock. 1,824,754; Sept. 22.
Reciprocating motor. C. S. Weyandt. 1,797,253; Mar. 24.
Reciprocating motor. C. S. Weyandt and H. E. Fox. 1,819,140; Aug. 18.
Reclaiming apparatus. F. J. McDevitt. 1,791,102; Feb. 3.
Reclining chair. C. E. Ferreira. 1,821,298; Sept. 1.
Reclining chair. A. L. Harris. 1,790,703; Feb. 3.
Reclining chair. E. M. Knabusch and E. J. Shoemaker. 1,789,337; Jan. 20.
Reclining chair, Collapsible. L. Wawrunek. 1,789,090; Jan. 13.
Reclining seat. A. B. Bell. 1,803,835; May 5.
Reclining seat. C. E. Ferreira. 1,821,299; Sept. 1.
Recoil pad. A. H. Ammann. 1,822,875; Sept. 15.
Reconnoitering device. J. B. Strauss. 1,815,935; July 28.
Record and making the same, Visionograph. C. E. Alberti. 1,807,270; May 26.
Record and signal, Index. L. E. Hutchings. 1,823,564; Sept. 15.
Record changing mechanism. P. H. Schulz. 1,807,073; May 26.
Record condensing apparatus. A. K. Barta. 1,802,315; Apr. 21.
Record, Disk talking-machine. H. C. Gonzalez. 1,792,159; Feb. 10.
Record feeding mechanism. L. W. Langford and H. C. Yaeger. 1,836,328; Dec. 15.
Record-handling mechanism for phonographs. C. V. Kissinger. 1,800,645; Apr. 14.
Record keeping appliance. T. J. Driscoll. 1,801,909; Apr. 21.
Record making mechanism. R. J. Gilmore and L. W. Langford. 1,811,387; June 23.
Record making mechanism. L. W. Langford. 1,811,397; June 23.
Record perforating machine. P. E. Hill and I. C. Matthiessen. 1,836,971; Dec. 15.
Record player, Automatic disk. J. A. O'Neill. 1,818,645; Aug. 11.
Record-printing meter. J. Gluck and R. R. Karich. 1,794,845; Mar. 3.
Record reading device. J. T. Basseches. 1,804,453; May 12.
Record resurfacing machine. A. V. Bodine. 1,837,699; Dec. 22.
Record, School. H. H. Cowing. 1,830,506; Nov. 3.
Record system, Visible-. H. C. Miller. 1,787,755; Jan. 6.
Record system, Visible. F. D. Powell. 1,811,245; June 23.
Recorder: *See*—

Dental recorder.
Electric surge recorder.
Electrical recorder.
Engine recorder.
Hole inclination recorder.
Hydrometric recorder.
Impact recorder.
Joint recorder.
Pneumatic controller recorder.
Radio recorder.
Surge recorder.
Talking machine recorder.
Telegraph recorder.
Telephone-call recorder.
Time recorder.
Traffic recorder.
Vibration recorder.
Voltage-testing recorder.

Recorder. O. F. Fuller. 1,829,272; Oct. 27.
Recorder. G. F. MacKenzie. 1,797,665; Mar. 24.
Recorder. B. H. Smith. 1,830,569; Nov. 3.
Recorder and reproducer for phonographs, Combined electrical. O. M. Dunning. 1,816,831; Aug. 4.
Recorder case. W. D. Teague. Des. 85,727; Dec. 8.
Recorder controller. F. J. Bast. 1,837,397; Dec. 22.
Recorder for telephone systems, Traffic. M. Schwartz. 1,817,324; Aug. 4.
Recorder, phonograph, radio and circuit therefor, Combined radio phonograph. D. G. Cohen. 1,821,495; Sept. 1.
Recorder, Well survey. J. N. Pew, jr., and C. B. Bazzoni. 1,837,479; Dec. 22.
Recording and computing machine, Combined. H. A. Foothorap. 1,807,906; June 2.
Recording and control system and apparatus therefor. T. R. Harrison. 1,827,520; Oct. 13.
Recording and prompting device. H. T. Wilkins. 1,805,897; May 19.
Recording and registering device, Flow. E. S. Cole. 1,798,589; Mar. 31.
Recording and reproducing of sound, System and apparatus for the electric. M. H. Loughridge. 1,822,932; Sept. 15.
Recording and reproducing system and apparatus. A. A. Thomas. 1,827,051; Oct. 13.
Recording and reproduction, Apparatus for radio. E. H. Hansen. 1,827,519; Oct. 13.
Recording apparatus. G. F. C. Bauer. 1,793,042; Feb. 17.
Recording apparatus. G. R. Brown and C. Loesges. 1,827,187; Oct. 13.
Recording apparatus. M. L. Jeffrey. 1,835,220; Dec. 8.
Recording apparatus. R. D. Parker and F. H. Best. 1,820,088; Aug. 25.
Recording apparatus for wire and wireless telegraphy. H. Chireix. 1,809,821; June 16.
Recording device. J. F. Dempsey. 1,793,067; Feb. 17.
Recording device. S. E. Swick. 1,832,918; Nov. 24.
Recording device. J. R. M. Tisdale. 1,824,179; Sept. 22.
Recording device. S. Tonietti. 1,827,178; Oct. 13.
Recording device, Inclination. R. H. Miller. 1,829,104; Oct. 27.
Recording instrument. E. H. Bristol. 1,811,417; June 23.
Recording instrument. F. J. McMichael. 1,790,996; Feb. 3.
Recording instrument. W. S. Rugg. 1,792,325; Feb. 10.
Recording machine. E. W. Schellentrager. 1,815,681; July 21.
Recording method and apparatus. J. A. Tiedeman. 1,806,375; May 19.

Recording stylus. L. F. Carter. 1,800,198; Apr. 14.
Recording system. H. Brock. 1,834,200; Dec. 1.
Recording system. J. W. Legg. 1,801,814; Apr. 21.
Records, Apparatus and method for copying photographically-recorded sound. J. R. Balsley. 1,795,751; Mar. 10.
Records, Apparatus for reproducing sound. F. L. Dyer. 1,801,268; Apr. 21.
Records, Making and playing phonograph or sound. H. Ohagen. 1,818,006; Aug. 11.
Records, Manufacture of gramophone. N. Pemberton-Billing. 1,804,641; May 12.
Records, Method and apparatus for producing Photographic. T. W. Case. 1,822,865; Sept. 8.
Records, Method of and apparatus for making photophonographic. F. Ehrenhaft. 1,826,754; Oct. 13.
Records, Method of and apparatus for making photographic phonograph. H. J. Küchenmeister. 1,835,226; Dec. 8.
Records, Shaving machine for cylindrical sound. B. E. Jacob. 1,805,583; May 19.
Records, Taking outgoing printed. R. Hoover and R. F. Dirkes. 1,834,841; Dec. 1.
Recovery apparatus. F. Falla. 1,794,006; Feb. 24.
Rectification of crude methyl alcohol, Process for continuous. E. A. Barbet. 1,805,559; May 19.
Rectifier. H. P. Donle. 1,815,369–70; July 21.
Rectifier. F. J. Fischer. 1,818,701; Aug. 11.
Rectifier. H. W. Houck. 1,829,897; Nov. 3.
Rectifier. E. A. Lederer. 1,787,690; Jan. 6.
Rectifier. C. E. Ogden. 1,788,541; Jan. 13.
Rectifier. E. A. Quarrie. 1,803,976; May 5.
Rectifier. H. C. Rentschler and W. W. Merrymon. 1,821,238; Sept. 1.
Rectifier. F. A. Young. 1,815,390; July 21.
Rectifier and like device based upon the use of mercury vapor. A. Becq. 1,817,799; Aug. 4.
Rectifier, Copper oxide. C. K. Strobel. 1,820,166; Aug. 25.
Rectifier, Electronic. R. H. Hardoen. 1,815,909; July 28.
Rectifier, Mercury arc. F. P. Whitaker. 1,810,634; June 16.
Rectifier, Mercury arc. F. P. Whitaker. 1,839,069; Dec. 29.
Rectifier, Mercury vapor. J. Jonas. 1,801,772; Apr. 21.
Rectifier, Mercury vapor. M. A. E. Leblanc. 1,839,154; Dec. 29.
Rectifier, Mercury vapor. H. Meyer-Delius. 1,830,437; Nov. 3.
Rectifier, Metal oxide. W. Aumann. 1,801,836; Apr. 21.
Rectifier, Metal tank. E. B. Shand. 1,817,714; Aug. 4.
Rectifier, Metal vapor. O. Seitz. 1,827,172; Oct. 13.
Rectifier regulator, Automatic. C. E. Stryker. 1,808,717; June 2.
Rectifier systems, Protection of. A. Gaudenzi. 1,813,535; July 7.
Rectifier, Vacuum tube. K. C. Black. 1,820,114; Aug. 25.
Rectifiers or converters, Back-fire trap for. W. Bohraus. 1,831,587; Nov. 10.
Rectifying apparatus. J. J. Fitz Patrick. 1,794,283; Feb. 24.
Rectifying arrangement. A. Weaver. 1,796,497; Mar. 17.
Rectifying system. A. Gaudenzi. 1,823,684; Sept. 15.
Rectifying system. D. C. Prince. 1,837,995; Dec. 22.
Rectilinear movement to rotary movement, Converting. H. J. McGeorge. 1,814,946; July 14.
Reducing and classifying device. H. G. Lykken. 1,814,395; July 14.
Reducing and exercising machine. H. W. Anderson. 1,833,103; Nov. 24.
Reducing furnace. G. Brandt. 1,836,953; Dec. 15.
Reducing mill. H. G. Lykken. 1,838,560; Dec. 29.
Reduction reel. L. F. Little. 1,837,782; Dec. 22.
Reed instrument and more especially a saxophone. J. Heyworth, P. J. Packman, and J. L. Mold. 1,817,487; Aug. 4.
Reel: *See*—
Cable reel.
Automatic expanding reel.
Casting reel.
Clothesline reel.
Cord reel.
Film reel.
Fishing line reel.
Fishing reel.
Fishline reel.
Heater suspending reel.
Hose reel.
Key reel.
Kite string reel.
Line changing reel.
Motor cutter reel.
Picture reel.
Reduction reel.
Ribbon-spacing reel.
Salt water reel.
Spring actuated reel.
Steel tape reel.
Tape reel.
Reel. W. A. Bilger and W. A. Richards. 1,802,104; Apr. 21.
Reel. A. A. Bureau. 1,822,474; Sept. 8.
Reel. R. G. Camblin. 1,803,231; Apr. 28.
Reel. M. Castro. 1,809,226; June 9.
Reel. S. E. Cowles. 1,800,511; Apr. 14.
Reel. D. R. Dale. 1,834,338; Dec. 1.
Reel. F. La Grande. 1,834,407; Dec. 1.
Reel. H. J. Hick. 1,836,969; Dec. 15.
Reel. F. Mossberg. 1,801,054; Apr. 14.
Reel. F. Mossberg. 1,811,517; June 23.
Reel. F. Mossberg. 1,816,651; July 28.
Reel. J. E. Peterson. 1,836,936; Dec. 15.
Reel. C. K. Pevear. 1,819,337; Aug. 18.
Reel. J. W. Proctor. 1,823,165; Sept. 15.
Reel. R. L. Ray. 1,825,604; Sept. 29.
Reel. J. A. Riley. 1,812,805; June 30.
Reel. W. D. Smithson and J. L. Hair. 1,829,161; Oct. 27.
Reel. E. I. Sponable and F. S. Brace. 1,832,590; Nov. 17.
Reel. G. N. Williams. 1,799,343; Apr. 7.
Reel and puller, Fish-tape. T. A. Dunagan. 1,815,433; July 21.
Reel crutch. D. R. Stevens. 1,807,802; June 2.
Reel for cables, Demountable metallic. G. Decombe. 1,815,499; July 21.
Reel for cloth-winding machines, Unwinding. C. G. Richardson. 1,790,020; Jan. 27.
Reel for fishing lines, Folding drier. P. Weinstein. 1,793,980; Feb. 24.
Reel for plumb bobs. J. A. Gilman. 1,826,465; Oct. 6.
Reel for strip material, etc., Adjustable. C. A. Dreisbach. 1,820,693; Aug. 25.
Reel rack. W. Stuebing, jr. 1,837,175; Dec. 15.
Reel, rope washer, and brush, Combined clothesline. S. Conte. 1,790,573; Jan. 27.
Reel slip device, Take up. A. Kindelmann and E. Boecking. 1,827,893; Oct. 20.
Reel stand. B. H. Reeves. 1,836,815; Dec. 15.
Reel swift brace. A. R. Morrison. 1,803,210; Apr. 28.
Reeling device. L. T. Parker. 1,827,856; Oct. 20.
Reeling device. T. C. Riebe. 1,827,262; Oct. 13.
Reeling machine. K. S. Johnson. 1,835,495; Dec. 8.
Reeling machine, High speed. P. J. Thomas. 1,822,790; Sept. 8.
Reels, Apparatus for handling. H. J. Boe. 1,832,446; Nov. 17.
Reels, Construction and manufacturing. E. R. German. 1,819,707; Aug. 18.
Reels, Lagging for. H. E. Charles. 1,808,018; June 2.
Reenforced construction, Externally. J. H. Levering. Re18,104; June 16.
Reenforced glass. W. F. Bleecker. 1,799,146; Apr. 7.
Reference planes, Maintaining. L. F. Carter and M. F. Bates. 1,801,329; Apr. 21.
Refining. R. C. Osterstrom and R. T. Tucker. 1,797,513; Mar. 24.
Refining apparatus. C. H. Leach. 1,821,346; Sept. 1.
Refining engine. J. D. Haskell. 1,835,984; Dec. 8.
Refinishing device. J. V. Bueckermann. 1,824,327; Sept. 22.
Reflecting device. H. F. Delmanhorst. 1,807,393; May 26.
Reflecting device. J. C. Stimson. 1,807,350; May 26.
Reflecting unit. B. H. Reeves. 1,794,867; Mar. 3.
Reflector. W. A. Dunlap. 1,800,886; Apr. 14.
Reflector. J. H. Little and J. H. Hunt. 1,792,848; Feb. 17.
Reflector. H. J. Sauer. Des. 83,063; Jan. 13.
Reflector. F. Shipman. 1,804,651; May 12.
Reflector. M. B. Sprigg. 1,803,815; May 5.
Reflector and providing the reflecting surface thereof with means for coloring the light reflected therefrom. V. L. Oestnaes. 1,805,224; May 12.
Reflector, Foldable and adjustable. W. Vogel. 1,813,102; July 7.
Reflector for automobile headlamps. C. A. Michel. 1,825,084; Sept. 29.
Reflector for portable lamps. G. W. Cassidy. 1,831,523; Nov. 10.
Reflector for telephone dials. F. O. Everts. 1,828,107; Oct. 20.
Reflector for warm air furnace registers. O. Rottinghaus. 1,825,423; Sept. 29.
Reflector heater. E. J. Ajax. Des. 84,389; June 16.
Reflector, Highway danger. C. A. James. 1,795,952; Mar. 10.
Reflector, Light. C. W. Price. 1,820,632; Aug. 25.
Reflector, Light projecting. W. G. Wood. 1,819,725; Aug. 18.
Reflector, Marine light signal. S. A. Eskilson. 1,813,874; July 7.
Reflector, Mercury-arm. L. J. Buttolph. 1,788,910; Jan. 13.
Reflector, Movable. A. Marchand. 1,832,492; Nov. 17.
Reflector signal. V. L. Oestnaes. 1,824,094; Sept. 22.
Reflector signal. H. J. Sauer. 1,832,880; Nov. 24.
Reflector, Traffic signal. R. W. Luce. 1,838,693; Dec. 29.
Reflectors, Making light. R. W. Luce and L. M. Merrill. 1,837,720; Dec. 22.
Reflectors, Making punches for. W. H. Wood. 1,793,660; Feb. 24.
Reflectors, Producing highly polished metal. V. L. Oestnaes and R. W. Luce. 1,831,541; Nov. 10.
Reflex structure for switch stands. J. S. Drillette. 1,837,184; Dec. 15.
Reflex tower. J. Primrose. 1,805,635; May 19.
Reforming bars. G. Langford. Re18,165; Aug. 25.
Refractories, Manufacture of zirconium compound. G. J. Easter. 1,816,006; July 28.
Refractory. J. D. Morgan. 1,809,249; June 9.
Refractory. S. M. Phelps and MacD. C. Booze. 1,788,123; Jan. 6.
Refractory. P. G. Willetts. 1,802,296–8; Apr. 21.
Refractory and making the same. S. B. Cole. 1,798,972; Mar. 31.
Refractory and making the same. D. W. Ross and J. M. Lambie. 1,818,506; Aug. 11.
Refractory article. R. L. Frink. 1,823,356; Sept. 15.
Refractory article and a composition for and making same. R. H. Martin. 1,818,903; Aug. 11.
Refractory article and furnace lining made therefrom. R. C. Benner and G. J. Easter. 1,789,131; Jan. 13.

Refractory article, Pressure forming. C. V. Iredell. 1,807,915; June 2.
Refractory articles, Glazing. G. S. Diamond. 1,828,767; Oct. 27.
Refractory, Heat conducting high temperature. J. D. Morgan, W. G. Bjorkstedt, and R. E. Lowe. 1,811,242; June 23.
Refractory lining, Grooved. H. R. Orwick and E. J. Bognar. 1,789,474; Jan. 20.
Refractory material. T. R. Haglund. 1,811,314; June 23.
Refractory material and making the same. G. S. Housman. 1,814,088; July 14.
Refractory shapes, Making. E. O. Beardsley and W. F. Piper. 1,838,522; Dec. 29.
Refreshment stand. E. Stebbings. Des. 85,555; Nov. 10.
Refrigerant. C. Dantsizen. 1,828,559; Oct. 20.
Refrigerant. L. K. Wright. 1,813,335–6; July 7.
Refrigerant composition. W. A. Kuenzli. 1,808,604; June 2.
Refrigerant control. H. A. Greenwald. 1,797,954; Mar. 24.
Refrigerant jet for dental operations, Generation of a. S. Braunstein and S. Meerson. 1,810,750; June 16.
Refrigerants, Stabilizing. R. W. Davenport. 1,809,833; June 16.
Refrigerated display counter. J. Blazek. 1,805,563; May 19.
Refrigerating and dispensing apparatus, Liquid. A. E. Smith. 1,811,215; June 23.
Refrigerating and dispensing beverages, Apparatus for. F. R. Hicks, jr., and F. A. Mayes. 1,811,234; June 23.
Refrigerating apparatus. G. Andresen. 1,792,136; Feb. 10.
Refrigerating apparatus. F. W. Andrews. 1,796,276; Mar. 17.
Refrigerating apparatus. F. W. Andrews. 1,815,962; July 28.
Refrigerating apparatus. F. W. Andrews. 1,822,003; Sept. 8.
Refrigerating apparatus. F. W. Andrews. 1,823,079; Sept. 15.
Refrigerating apparatus. F. W. Andrews. 1,829,384; Oct. 27.
Refrigerating apparatus. J. C. Arnold. 1,829,386–7; Oct. 27.
Refrigerating apparatus. E. L. Barnes. 1,787,609; Jan. 6.
Refrigerating apparatus. E. L. Barnes. 1,822,918; Sept. 15.
Refrigerating apparatus. J. J. Barry. 1,822,121; Sept. 8.
Refrigerating apparatus. J. S. Belt and E. M. Ladd. 1,817,605; Aug. 4.
Refrigerating apparatus. S. E. Bickle. 1,833,929; Dec. 1.
Refrigerating apparatus. C. Birdseye. 1,802,369; Apr. 28.
Refrigerating apparatus. C. Birdseye. 1,822,077; Sept. 8.
Refrigerating apparatus. C. Birdseye. 1,822,124; Sept. 8.
Refrigerating apparatus. C. Birdseye and B. Hall. 1,822,123; Sept. 8.
Refrigerating apparatus. L. Blackmore. 1,835,588; Dec. 8.
Refrigerating apparatus. A. B. Bonnheim. 1,796,916; Mar. 17.
Refrigerating apparatus. H. P. Braeutigam and G. S. Dickey. 1,820,045; Aug. 25.
Refrigerating apparatus. H. P. Braeutigam and W. C. Holbrook. 1,832,089; Nov. 17.
Refrigerating apparatus. G. A. Buvinger. 1,790,223; Jan. 27.
Refrigerating apparatus. H. R. Candor. 1,822,583; Sept. 8.
Refrigerating apparatus. J. W. Carl. 1,813,987; July 14.
Refrigerating apparatus. S. C. Carney. 1,823,725; Sept. 15.
Refrigerating apparatus. R. H. Chilton. 1,805,684; May 19.
Refrigerating apparatus. R. H. Chilton. 1,827,807–8; Oct. 20.
Refrigerating apparatus. T. L. Chisholm. 1,827,809; Oct. 20.
Refrigerating apparatus. W. A. Chryst. 1,833,987; Dec. 1.
Refrigerating apparatus. G. J. Cooke. 1,805,613; May 19.
Refrigerating apparatus. E. Dickey. 1,796,007; Mar. 10.
Refrigerating apparatus. G. S. Dickey. 1,820,012; Aug. 25.
Refrigerating apparatus. G. S. Dickey. 1,833,935; Dec. 1.
Refrigerating apparatus. R. E. Eisenlohr. 1,801,417; Apr. 21.
Refrigerating apparatus. B. B. Geyer. 1,798,252; Mar. 31.
Refrigerating apparatus. B. Hall. 1,822,089; Sept. 8.
Refrigerating apparatus. F. J. Heideman. 1,791,499; Feb. 10.
Refrigerating apparatus. W. J. Hendron. 1,787,681; Jan. 6.
Refrigerating apparatus. C. F. Henney. 1,827,747; Oct. 20.
Refrigerating apparatus. C. F. Henney. 1,831,861; Nov. 17.
Refrigerating apparatus. G. F. Hofferberth. 1,813,999; July 14.
Refrigerating apparatus. G. F. Hofferberth. 1,829,748; Nov. 3.
Refrigerating apparatus. W. C. Holbrook. 1,830,060; Nov. 3.
Refrigerating apparatus. W. C. Holbrook. 1,832,121; Nov. 17.
Refrigerating apparatus. W. C. Holbrook. 1,832,902–3; Nov. 24.
Refrigerating apparatus. W. C. Holbrook. 1,838,098; Dec. 29.
Refrigerating apparatus. W. C. Holbrook and L. C. Luneke. 1,832,122; Nov. 17.
Refrigerating apparatus. E. L. Horlacher. 1,819,172; Aug. 18.
Refrigerating apparatus. H. B. Hull. Re18,154; Aug. 18.
Refrigerating apparatus. H. B. Hull. 1,788,392–3; Jan. 13.
Refrigerating apparatus. H. B. Hull. 1,789,978; Jan. 27.
Refrigerating apparatus. H. B. Hull. 1,790,236; Jan. 27
Refrigerating apparatus. H. B. Hull. 1,791,503; Feb. 10
Refrigerating apparatus. H. B. Hull. 1,791,528; Feb. 10
Refrigerating apparatus. H. B. Hull. 1,793,853; Feb. 24.
Refrigerating apparatus. H. B. Hull. 1,798,262; Mar. 31.
Refrigerating apparatus. H. B. Hull. 1,799,372; Apr. 7.
Refrigerating apparatus. H. B. Hull. 1,800,255; Apr. 14.
Refrigerating apparatus. H. B. Hull. 1,802,513; Apr. 28.
Refrigerating apparatus. H. B. Hull. 1,823,899; Sept. 22.
Refrigerating apparatus. H. B. Hull. 1,825,665; Oct. 6.
Refrigerating apparatus. H. B. Hull. 1,825,731; Oct. 6.
Refrigerating apparatus. H. B. Hull. 1,827,750; Oct. 20.
Refrigerating apparatus. H. B. Hull. 1,827,815; Oct. 20.
Refrigerating apparatus. H. B. Hull. 1,829,399; Oct. 27.
Refrigerating apparatus. H. B. Hull. 1,832,904; Nov. 24.
Refrigerating apparatus. H. B. Hull. 1,833,901–2; Dec. 1.
Refrigerating apparatus. H. B. Hull. 1,833,944; Dec. 1.
Refrigerating apparatus. H. B. Hull. 1,834,949; Dec. 8.
Refrigerating apparatus. H. B. Hull. 1,835,599; Dec. 8.
Refrigerating apparatus. H. B. Hull. 1,836,072–3; Dec. 15.
Refrigerating apparatus. H. B. Hull. 1,837,268; Dec. 22.
Refrigerating apparatus. H. B. Hull and G. F. Hofferberth. 1,825,664; Oct. 6.
Refrigerating apparatus. E. N. James. 1,797,421; Mar. 24.
Refrigerating apparatus. H. G. Jancsy. 1,816,585; July 28.
Refrigerating apparatus. G. A. Jewell. 1,820,806; Aug. 25.
Refrigerating apparatus. M. Kalischer. 1,813,168; July 7.
Refrigerating apparatus. L. M. Keighley. 1,827,751–2; Oct. 20.
Refrigerating apparatus. L. M. Keighley. 1,829,402; Oct. 27.
Refrigerating apparatus. C. F. Kettering. 1,815,315; July 21.
Refrigerating apparatus. C. F. Kettering and O. M. Summers. 1,793,857; Feb. 24.
Refrigerating apparatus. J. G. King. 1,788,398; Jan. 13.
Refrigerating apparatus. J. G. King. 1,790,237; Jan. 27.
Refrigerating apparatus. J. G. King. 1,798,263; Mar. 31.
Refrigerating apparatus. J. G. King. 1,804,624; May 12.
Refrigerating apparatus. J. G. King. 1,805,700–1; May 19.
Refrigerating apparatus. J. G. King. 1,810,916; June 23.
Refrigerating apparatus. J. G. King. 1,814,001; July 14.
Refrigerating apparatus. J. G. King. 1,818,139; Aug. 11.
Refrigerating apparatus. J. G. King. 1,823,106; Sept. 15.
Refrigerating apparatus. J. G. King. 1,825,669; Oct. 6.
Refrigerating apparatus. J. G. King. 1,825,698; Oct. 6.
Refrigerating apparatus. J. G. King. 1,825,870; Oct. 6.
Refrigerating apparatus. J. G. King. 1,827,819; Oct. 20.
Refrigerating apparatus. J. G. King. 1,828,776; Oct. 27.
Refrigerating apparatus. J. G. King. 1,829,404–8; Oct 27.
Refrigerating apparatus. J. G. King. 1,829,410–12; Oct. 27.
Refrigerating apparatus. J. G. King. 1,831,917; Nov. 17.
Refrigerating apparatus. J. G. King. 1,837,271; Dec. 22.
Refrigerating apparatus. J. G. King and H. B. Hull. 1,825,801; Oct. 6.
Refrigerating apparatus. F. J. Kleinhans and H. A. Brandt. 1,791,964; Feb. 10.
Refrigerating apparatus. H. W. Kleist. 1,824,158; Sept. 22.
Refrigerating apparatus. H. F. Lehman. 1,830,034; Nov. 3.
Refrigerating apparatus. C. E. L. Lipman. 1,835,568; Dec. 8.
Refrigerating apparatus. D. E. Maccabee. 1,795,872; Mar. 10.
Refrigerating apparatus. D. E. Maccabee. 1,822,052; Sept. 8.
Refrigerating apparatus. J. A. Macready and H. H. Hodgson. 1,825,748; Oct. 6.
Refrigerating apparatus. R. K. Miller. 1,829,417; Oct. 27.
Refrigerating apparatus. G. Muffly. 1,800,953; Apr. 14.
Refrigerating apparatus. G. Muffly. 1,801,563; Apr. 21.
Refrigerating apparatus. G. Muffly. 1,827,097; Oct. 13.
Refrigerating apparatus. F. J. Natwick and O. G. Tinkey. 1,831,256; Nov. 10.
Refrigerating apparatus. D. R. Neal. 1,820,152; Aug. 25.
Refrigerating apparatus. O. F. Nelson. 1,812,113; June 30.
Refrigerating apparatus. I. L. Nickerson. 1,818,348; Aug. 11.

Refrigerating apparatus. C. F. Nystrom. 1,798,696; Mar. 31.
Refrigerating apparatus. R. E. Ottenheimer. 1,819,568–9; Aug. 18.
Refrigerating apparatus. A. E. Payson and M. P. Wetmore. 1,803,639; May 5.
Refrigerating apparatus. H. A. Phillips. 1,808,374; June 2.
Refrigerating apparatus. S. R. Prugh. 1,795,886; Mar. 10.
Refrigerating apparatus. A. Quarnstrom. 1,811,279; June 23.
Refrigerating apparatus. F. W. Rabe. 1,812,170; June 30.
Refrigerating apparatus. J. T. Rauen. 1,825,703; Oct. 6.
Refrigerating apparatus. D. H. Reeves. 1,820,031; Aug. 25.
Refrigerating apparatus. D. H. Reeves. 1,836,040; Dec. 15.
Refrigerating apparatus. W. W. Riedel. 1,827,764; Oct. 20.
Refrigerating apparatus. H. Röhl. 1,829,370; Oct. 27.
Refrigerating apparatus. H. Scharnagel and M. H. Loughridge. 1,813,960; July 14.
Refrigerating apparatus. E. M. Scheid. 1,837,294; Dec. 22.
Refrigerating apparatus. A. C. Schickler. 1,803,074; Apr. 28.
Refrigerating apparatus. W. H. F. Schmieding and T. L. Chisholm. 1,796,627; Mar. 17.
Refrigerating apparatus. F. W. Schwinn. 1,838,872; Dec. 29.
Refrigerating apparatus. J. C. Scovel, jr. 1,809,075; June 9.
Refrigerating apparatus. J. C. Scovel, jr. 1,831,408; Nov. 10.
Refrigerating apparatus. H. K. Sellick and M. Kalischer. 1,799,991; Apr. 7.
Refrigerating apparatus. H. F. Smith. 1,823,919; Sept. 22.
Refrigerating apparatus. H. F. Smith and E. L. Horlacher. 1,802,485; Apr. 28.
Refrigerating apparatus. F. E. Stevenson. 1,788,414; Jan. 13.
Refrigerating apparatus. F. E. Stevenson. 1,798,281; Mar. 31.
Refrigerating apparatus. F. E. Stevenson. 1,837,300; Dec. 22.
Refrigerating apparatus. A. H. Strong. 1,829,377; Oct. 27.
Refrigerating apparatus. O. M. Summers. 1,802,451; Apr. 28.
Refrigerating apparatus. O. M. Summers. 1,802,486; Apr. 28.
Refrigerating apparatus. O. M. Summers. 1,804,653–4; May 12.
Refrigerating apparatus. O. M. Summers. 1,808,939; June 9.
Refrigerating apparatus. O. M. Summers. 1,815,170; July 21.
Refrigerating apparatus. O. M. Summers. 1,822,067–8; Sept. 8.
Refrigerating apparatus. O. M. Summers. 1,825,022; Sept. 29.
Refrigerating apparatus. O. M. Summers. 1,826,839; Oct. 13.
Refrigerating apparatus. O. M. Summers. 1,826,966; Oct. 13.
Refrigerating apparatus. O. M. Summers. 1,827,769; Oct. 20.
Refrigerating apparatus. O. M. Summers. 1,833,922; Dec. 1.
Refrigerating apparatus. O. M. Summers. 1,834,038; Dec. 1.
Refrigerating apparatus. W. F. Swezey. 1,789,913; Jan. 20.
Refrigerating apparatus. W. F. Swezey. 1,825,291; Sept. 29.
Refrigerating apparatus. M. C. Terry, M. Kalischer, and T. A. Buckley. 1,789,914; Jan. 20.
Refrigerating apparatus. J. F. Taylor. 1,832,919; Nov. 24.
Refrigerating apparatus. A. M. Thomson. 1,825,215; Sept. 29.
Refrigerating apparatus. F. Thornton, jr. 1,789,916; Jan. 20.
Refrigerating apparatus. L. L. Torrey. 1,809,002; June 9.
Refrigerating apparatus. B. J. Vandoren. 1,830,044; Nov. 3.
Refrigerating apparatus. C. W. Vollmann. 1,838,165; Dec. 29.
Refrigerating apparatus. G. T. Voorhees. 1,808,910; June 9.
Refrigerating apparatus. S. de Waal. 1,833,892; Dec. 1.
Refrigerating apparatus. C. R. Wayman. 1,821,995; Sept. 8.
Refrigerating apparatus. G. E. and G. L. Weissenburger. 1,797,385; Mar. 24.
Refrigerating apparatus. R. S. Wheaton. 1,833,698; Nov. 24.
Refrigerating apparatus. G. F. Woelfel. 1,836,215; Dec. 15.
Refrigerating apparatus, Absorption. F. G. Liljenroth. 1,788,114; Jan. 6.
Refrigerating apparatus, Absorption. C. G. Munters. 1,805,293; May 12.
Refrigerating apparatus and heat transfer therein. L. G. Copeman. 1,818,673; Aug. 11.
Refrigerating apparatus and method. C. L. Jones. 1,822,851; Sept. 8.
Refrigerating apparatus and method. W. S. Josephson and T. B. Slate. 1,796,907; Mar. 17.
Refrigerating apparatus and method. D. H. Killeffer. 1,822,850; Sept. 8.
Refrigerating apparatus and method. J. W. Martin, jr. 1,805,493; May 19.
Refrigerating apparatus and method. J. W. Martin, jr. 1,825,643; Sept. 29.
Refrigerating apparatus and method. T. B. Slate. 1,796,908–10; Mar. 17.
Refrigerating, Apparatus and method for. D. H. Killeffer. 1,825,073; Sept. 29.
Refrigerating apparatus and method of refrigerating food products. C. Birdseye. 1,817,890; Aug. 4.
Refrigerating apparatus and system, Absorption. T. K. Marbury. 1,821,812; Sept. 1.
Refrigerating apparatus, Compression. L. K. Wright. 1,809,957; June 16.
Refrigerating apparatus, Expansion chamber for. C. F. Gardner. 1,827,741; Oct. 20.
Refrigerating apparatus for package goods. C. W. Vogt. 1,827,629; Oct. 13.
Refrigerating apparatus, Mechanical. R. O. Ashton. 1,826,339; Oct. 6.
Refrigerating apparatus of the absorption type. F. W. H. Reehsing. 1,808,510; June 2.
Refrigerating apparatus of the absorption type. G. Roos. 1,802,537; Apr. 28.
Refrigerating apparatus, package and method. C. L. Jones and H. S. McIlvain. 1,825,068; Sept. 29.
Refrigerating apparatus, Regenerative. E. B. Miller. 1,790,757; Feb. 3.
Refrigerating appliance. C. A. Moore. 1,789,561; Jan. 20.
Refrigerating appliance for cold-storage rooms. C. A. Moore. 1,789,592; Jan. 20.
Refrigerating cabinet. D. J. Greiling. 1,821,093; Sept. 1.
Refrigerating-control mechanism. B. W. Brockett and E. L. Hyde. 1,788,942; Jan. 13.
Refrigerating device. N. Eckles. 1,822,586; Sept. 8.
Refrigerating device. D. F. Keith. 1,793,287; Feb. 17.
Refrigerating device. A. E. Payson and M. P. Wetmore. 1,832,473; Nov. 17.
Refrigerating machine. A. A. Kucher. 1,797,287; Mar. 24.
Refrigerating machine. G. H. Phelps. 1,794,030; Feb. 24.
Refrigerating machine. J. Schneider. 1,818,166; Aug. 11.
Refrigerating machine. W. W. Williams. 1,824,699; Sept. 22.
Refrigerating machines, Regulating continuously-working absorption. L. Kuhl. 1,792,227; Feb. 10.
Refrigerating means and method. S. C. Bloom. 1,796,859; Mar. 17.
Refrigerating means and method. B. F. Randel. 1,806,498; May 19.
Refrigerating means for precooling and cold-storage rooms. C. A. Moore. 1,789,984; Jan. 27.
Refrigerating mechanism. F. B. MacLaren. 1,792,649; Feb. 17.
Refrigerating mechanism. G. Muffly. 1,806,019; May 19.
Refrigerating mechanism. C. C. Thomas. 1,807.354; May 26.
Refrigerating mechanism, Electrically operated. W. W. Williams. 1,838,063; Dec. 22.
Refrigerating mechanism, Expansion chamber for. G. Muffly. 1,817,202; Aug. 4.
Refrigerating mechanism support and cabinet therefor. M. H. Spreen. 1,804,845; May 12.
Refrigerating, Method and apparatus for. L. L. Knox. 1,800,258; Apr. 14.
Refrigerating method and machine. F. W. Gay. 1,821,508; Sept. 1.
Refrigerating pan. M. K. Buchanan and A. G. Horton. 1,830,260; Nov. 3.
Refrigerating plant. O. Dahl and E. A. H. Kjorstad. 1,791,023; Feb. 3.
Refrigeration plant. E. Kindermann. 1,837,871; Dec. 22.
Refrigerating plant. G. M. Kleucker. 1,829,865; Nov. 3.
Refrigerating plant for the freezing of fish and other goods. O. Dahl and E. A. H. Kjörstad. 1,838,366; Dec. 29.
Refrigerating process. S. C. Carney, R. E. Baker, and F. C. Cutting. 1,808,494; June 2.
Refrigerating process and apparatus. R. W. Davenport. 1,787,474; Jan. 6.
Refrigerating process and apparatus for cooling fat emulsions such as margarine and the like. W. G. Schroeder. 1,803,212; Apr. 28.
Refrigerating system. C. G. Bach. 1,824,527; Sept. 22.
Refrigerating system. J. C. Bertsch. 1,791,441; Feb. 3.
Refrigerating system. J. G. De Remer. 1,830,314; Nov. 3.
Refrigerating system. N. H. Gay. 1,836,318; Dec. 15.
Refrigerating system. G. Hilger. 1,818,133; Aug. 11.
Refrigerating system. F. B. Hunt. 1,806,559; May 19.
Refrigerating system. H. C. Kellogg. 1,835,785; Dec. 8.
Refrigerating system. G. A. Kramer. 1,829,096; Oct. 27.

Refrigerating system. C. E. L. Lipman. 1,835,569; Dec. 8.
Refrigerating system. R. J. Mitchell. 1,808,056; June 2.
Refrigerating system. A. C. Schickler. 1,826,436; Oct. 6.
Refrigerating system. R. E. Schurtz. 1,796,410; Mar. 17.
Refrigerating system. E. Scott. 1,828,877; Oct. 27.
Refrigerating system. H. J. Scullen. 1,815,383; July 21.
Refrigerating system. B. C. Shipman. 1,836,090; Dec. 15.
Refrigerating system. J. A. Tillinghast. 1,834,009; Dec. 1.
Refrigerating system, Absorption. G. Maiuri and R. F. Bossini. 1,798,946; Mar. 31.
Refrigerating system and refrigerator. G. Beaumont. 1,837,892; Dec. 22.
Refrigerating system, Automatic. W. B. Day. Re18,263; Nov. 24.
Refrigerating system, Automatic temperature controlled. E. E. Snader. 1,801,371; Apr. 21.
Refrigerating system, Charging. R. W. Davenport. 1,801,625; Apr. 21.
Refrigerating system for cars. C. A. Moore. 1,822,305; Sept. 8.
Refrigerating systems, Flow control for. F. R. West. 1,813,979; July 14.
Refrigerating systems, Stabilizing the atmosphere of. R. W. Davenport. 1,809,834; June 16.
Refrigerating systems, Testing for leaks in. R. M. Major. 1,800,693; Apr. 14.
Refrigerating unit. C. D. Condon. 1,807,152; May 26.
Refrigerating unit. L. G. Copeman. 1,816,638; July 28.
Refrigerating unit. L. W. Eggleston. 1,813,486; July 7.
Refrigerating unit. J. R. Replogle. 1,823,002–4; Sept. 15.
Refrigerating unit. J. R. Replogle. 1,823,124; Sept. 15.
Refrigerating unit. G. T. Smiley and W. R. Ohse. 1,788,599; Jan. 13.
Refrigeration. J. G. Bergdoll. 1,805,901; May 19.
Refrigeration. J. G. Bergdoll. 1,819,861; Aug. 18.
Refrigeration. W. D. Collins and C. E. Ploeger. 1,837,253; Dec. 22.
Refrigeration. B. K. G. Ehnbom. 1,805,656; May 19.
Refrigeration. T. M. Elfving. 1,837,767; Dec. 22.
Refrigeration. F. R. Erbach. 1,797,764; Mar. 24.
Refrigeration. D. B. Knight. 1,822,224; Sept. 8.
Refrigeration. A. Lenning. 1,823,456; Sept. 15.
Refrigeration. A. Lenning. 1,830,203; Nov. 3.
Refrigeration. A. V. Livingston. 1,810,090; June 23.
Refrigeration. E. B. Miller and A. Benzon. 1,790,067; Jan. 27.
Refrigeration. C. G. Munters. 1,798,951; Mar. 31.
Refrigeration. C. G. Munters. 1,808,723; June 2.
Refrigeration. F. D. Peltier and C. E. Ploeger. 1,788,343; Jan. 6.
Refrigeration. C. E. Ploeger. 1,838,040; Dec. 22.
Refrigeration. C. E. Ploeger and W. D. Collins. 1,838,041; Dec. 22.
Refrigeration. E. H. Ryden. 1,818,433; Aug. 11.
Refrigeration. T. Shipley. 1,808,999; June 9.
Refrigeration. T. Shipley. 1,815,421; July 21.
Refrigeration. D. G. Smellie. 1,818,587; Aug. 11.
Refrigeration. C. C. Spreen. 1,826,374; Oct. 6.
Refrigeration. R. S. Taylor. 1,789,346; Jan. 20.
Refrigeration. R. S. Taylor. 1,822,250; Sept. 8.
Refrigeration. H. M. Ullstrand and W. R. Campbell. 1,830,894; Nov. 10.
Refrigeration, Accumulator and tank coil system for. N. H. Gay. 1,794,110; Feb. 24.
Refrigeration apparatus. L. S. Chadwick, M. Resek, and W. G. Midnight. 1,789,067; Jan. 13.
Refrigeration apparatus. M. Hirsch. 1,805,400; May 12.
Refrigeration apparatus. D. F. Keith. 1,816,975; Aug. 4.
Refrigeration apparatus. G. W. Mason. 1,810,569; June 16.
Refrigeration apparatus. O. I. Price. 1,807,871–2; June 2.
Refrigeration apparatus. E. T. Williams. 1,799,940; Apr. 7.
Refrigeration apparatus. H. E. Willsie. 1,818,181; Aug. 11.
Refrigeration apparatus. L. K. Wright. 1,809,958; June 16.
Refrigeration apparatus. L. K. Wright. 1,814,358; July 14.
Refrigeration, Apparatus for. R. W. Davenport. 1,823,353; Sept. 15.
Refrigeration, Automatic. J. G. De Remer. 1,807,774; June 2.
Refrigeration, Mechanical. C. C. Spreen. 1,797,844; Mar. 24.
Refrigeration, Mechanical. C. C. Spreen. 1,805,787; May 19.
Refrigeration, Method of and apparatus for electric. H. R. Stuart. 1,818,437; Aug. 11.
Refrigeration, Method of and apparatus for producing. F. G. Keyes. 1,802,516; Apr. 28.
Refrigeration, Method of and apparatus for producing. R. S. Nelson. 1,822,109; Sept. 8.
Refrigeration plant, Oscillating type. E. B. Miller and W. L. Edel. 1,807,855; June 2.
Refrigeration system. F. F. Brueckner. 1,797,225; Mar. 24.
Refrigeration system. R. V. Grayson and C. M. Foster. 1,814,915; July 14.
Refrigeration system and method. W. L. Bodman. 1,814,114; July 14.
Refrigeration system and method. W. L. Bodman. 1,814,280; July 14.
Refrigeration, System of. J. P. Green. 1,820,453; Aug. 25.
Refrigeration systems, Lubricating. F. W. Andrews. 1,834,136; Dec. 1.
Refrigeration systems, Regulatable bellows mechanism of. P. Farmer. 1,826,307; Oct. 6.
Refrigeration unit. R. T. Smith. 1,811,523; June 23.
Refrigeration unit, Mechanical. L. U. Larkin. 1,823,275; Sept. 15.
Refrigerative apparatus. G. C. Cusack. 1,825,054: Sept. 29.
Refrigerator. J. Beck. 1,809,012; June 9.
Refrigerator. W. L. Bodman. 1,833,633; Nov. 24.
Refrigerator. G. C. Bohn. 1,836,221; Dec. 15.
Refrigerator. J. Brown. Des. 85,321; Oct. 13.
Refrigerator. L. S. Chadwick and C. T. Sorensen. 1,789,066; Jan. 13.
Refrigerator. G. H. Ellis. 1,820,304; Aug. 25.
Refrigerator. J. P. B. Fiske. 1,826,308; Oct. 6.
Refrigerator. J. Flynn. 1,809,893; June 16.
Refrigerator. E. Gruber. 1,799,744; Apr. 7.
Refrigerator. H. T. Herr. Re18,168; Aug. 25.
Refrigerator. H. P. Hippee. 1,820,070; Aug. 25.
Refrigerator. E. A. Hobart 1,825,694; Oct. 6.
Refrigerator. E. L. Horlacher. 1,827,749; Oct. 20.
Refrigerator. W. R. Jeavons. 1,809,900; June 16.
Refrigerator. A. A. Kucher. 1,798,684; Mar. 31.
Refrigerator. I. Lundgaard. 1,812,102; June 30.
Refrigerator. G. Muffly. 1,838,954; Dec. 29.
Refrigerator. R. E. Ottenheimer. 1,836,614; Dec. 15.
Refrigerator. J. W. Sanford. 1,837,293; Dec. 22.
Refrigerator. J. C. Station. 1,797,451; Mar. 24.
Refrigerator. A. H. Strong. 1,829,716; Oct. 27.
Refrigerator. M. C. Terry. 1,819,528; Aug. 18.
Refrigerator. M. C. Terry. 1,830,626; Nov. 3.
Refrigerator. B. C. von Platen and C. G. Munters. 1,799,201; Apr. 7.
Refrigerator, Air cooled. A. Lenning. 1,836,719; Dec. 15.
Refrigerator and hydrator for fruits and vegetables. D. O. Teasley. 1,829,024; Oct. 27.
Refrigerator and ice-cream freezer, Combined. L. B. Powers. 1,787,837; Jan. 6.
Refrigerator and ice-cream freezer, Combined. A. F. Sawyer. 1,791,041; Feb. 3.
Refrigerator and refrigerating apparatus. D. P. Heath. Re18,253; Nov. 17.
Refrigerator and show case, Combination. P. H. Christopher. 1,804,914; May 12.
Refrigerator, Automatic. M. M. Clingman. 1,796,829; Mar. 17.
Refrigerator, Automatic water-cooled. W. Doherty. 1,797,133; Mar. 17.
Refrigerator, Bottle dispensing. C. A. Frick. 1,816,427; July 28.
Refrigerator box. D. J. Hurley. 1,837,907; Dec. 22.
Refrigerator cabinet. R. T. Smith. Des 84,208; May 19.
Refrigerator car insulation. A. C. Mather. 1,837,786; Dec. 22.
Refrigerator closure. G. C. Bohn. 1,814,661; July 14.
Refrigerator closure. E. Swedman. 1,809,150; June 9.
Refrigerator construction. L. S. Chadwick and M. Resek. 1,816,955; Aug. 4.
Refrigerator construction. E. A. Hampson and D. G. Smellie. 1,837,265; Dec. 22.
Refrigerator construction. A. H. Morrell. 1,789,533; Jan. 20.
Refrigerator construction. G. Muffly. 1,816,863; Aug. 4.
Refrigerator control. P. Farmer. 1,809,928; June 16.
Refrigerator control mechanism. M. C. Terry. 1,814,013; July 14.
Refrigerator, Counter showcase. V. P. Warren. 1,831,758; Nov. 10.
Refrigerator, Electric. J. K. Butler. 1,835,844; Dec. 8.
Refrigerator, Electric. M. M. Clingman. 1,796,828; Mar. 17.
Refrigerator, Electric. H. Mock. 1,810,841; June 16.
Refrigerator for vehicles. C. D. Koch. 1,814,315; July 14.
Refrigerator, Household. I. Lundgaard. 1,787,584; Jan. 6.
Refrigerator installation, Soda fountain. R. L. Alexander and H. W. Wishart. 1,801,536; Apr. 21.
Refrigerator plant. E. G. Rowledge. 1,834,873; Dec. 1.
Refrigerator of the adsorption type. I. Amundsen. 1,815,961; July 28.
Refrigerator of the absorption type. G. Beaumont. 1,795,538; Mar. 10.
Refrigerator, Portable. M. J. Hewitt. 1,815,405; July 21.
Refrigerator, Self-contained mechanical. R. W. Davenport. 1,807,831; June 2.
Refrigerator, Thermal. F. W. Gay. 1,821,509; Sept. 1.
Refrigerator unit hanger, Adjustable. R. S. Ahrens. 1,838,244; Dec. 29.
Refrigerator wall structure. J. S. Wagner. 1,831,897; Nov. 17.
Refrigerators and the like, Closure construction for. C. Fredberg. 1,800,519; Apr. 14.
Refuse and similar waste materials, Method of and apparatus for the incineration of. O. Uhde and V. Kolb. 1,838,596; Dec. 29.
Refuse, Device for the collecting of. J. Ochsner. 1,789,050; Jan. 13.
Refuse incineration and disposal, Apparatus for. H. L. Cowles. 1,800,817; Apr. 14.
Regenerative furnace. F. C. Siemens. 1,834,476; Dec. 1.

Regenerator. F. G. Creed and R. D. Salmon. 1,827,460; Oct. 13.
Regenerator. W. Trinks. 1,836,412; Dec. 15.
Register: *See*—
Autographic register.
Cash register.
Coin register.
Door register.
Furnace register.
Golf register.
Manifolding register.
Time register.
Register. H. E. Enders. 1,788,284; Jan. 6.
Register. F. F. Hirsch. 1,787,860; Jan. 6.
Register. A. A. Overbury. 1,792,391; Feb. 10.
Register. J. V. Petrelli. 1,817,836; Aug. 4.
Register. E. C. Walter. 1,805,061; May 12.
Register and first aid kit, Combined. J. L. Peavy. 1,817,706; Aug. 4.
Register and ventilator. H. S. Hart. 1,791,026; Feb. 3.
Register device. W. L. Jacoby. 1,791,132; Feb. 3.
Register device, Side. W. M. Kelly. 1,806,465; May 19.
Register hook, Printer's. W. F. Brügmann. 1,815,232; July 21.
Register of impressions in web fed printing machines, Securing. E. B. Osborne. 1,822,902; Sept. 15.
Register or damper. J. V. Petrelli. 1,801,568; Apr. 21.
Register punch mechanism and like device. D. D. Vandercook. 1,789,850; Jan. 20.
Registering device. C. W. Kanolt. 1,822,489; Sept. 8.
Registering device. J. B. Mills. 1,807,163; May 26.
Registering device. W. R. Mittendorf. 1,800,742; Apr. 14.
Registering device. P. D. Parsons. 1,825,281; Sept. 29.
Registering device and annunciator. H. R. Brand. 1,809,157; June 9.
Registering mechanism. C. E. Johnson and F. C. Koestner. 1,806,353; May 19.
Registering mechanism for compressor or like apparatus. H. H. Bates. 1,834,042; Dec. 1.
Registering system. H. E. Hershey. 1,810,211; June 16.
Regulating apparatus. P. A. Borden. 1,825,849; Oct. 6.
Regulating apparatus. A. V. Livingston. 1,789,145–6; Jan. 13.
Regulating apparatus. C. M. Terry. 1,790,685; Feb. 3.
Regulating apparatus. L. W. Thompson. 1,839,131; Dec. 29.
Regulating arrangements, Automatic. R. H. Lindsay. 1,800,303; Apr. 14.
Regulating device. A. B. Asch. 1,829,254; Oct. 27.
Regulating device. R. L. Lunsford. 1,800,394; Apr. 14.
Regulating device for stock quotation projectors, Tape. A. D. Eitzen. 1,822,769; Sept. 8.
Regulating device, Pressure. A. E. Stanley and R. Zones. 1,803,659; May 5.
Regulating system. H. Bany. 1,792,269; Feb. 10.
Regulating system. M. F. Bates. 1,825,139; Sept. 29.
Regulating system. F. A. Byles. 1,831,553; Nov. 10.
Regulating system. G. R. McDonald. Re17,953; Feb. 3.
Regulating system. C. A. Nickle. 1,788,247; Jan. 6.
Regulating system. L. W. Thompson. 1,792,257; Feb. 10.
Regulating system. L. W. Thompson. 1,806,317; May 19.
Regulating system. L. W. Thompson. 1,832,822; Nov. 17.
Regulating system for fluid supply. L. De Florez. 1,815,870; July 21.
Regulating system for hydraulic turbines. L. F. Moody. 1,836,861; Dec. 15.
Regulator: *See*—
Air pressure regulator.
Antenna regulator.
Automatic regulator.
Boiler feed regulator.
Charging regulator.
Consistency regulator.
Cooling-water regulator.
Current regulator.
Draft regulator.
Electrical regulator.
Feed regulator.
Feed water regulator.
Flue regulator.
Fluid pressure regulator.
Frequency dependent regulator.
Frequency regulator.
Fuel mixture regulator.
Fuel regulator.
Gas pressure regulator.
Gas regulator.
Generator regulator.
Heat regulator.
Hydraulic regulator.
Multiple flow regulator.
Power plant regulator.
Pressure regulator.
Rectifier regulator.
Temperature regulator.
Timepiece regulator.
Vapor regulator.
Voltage regulator.
Water regulator.
Window regulator.
Regulator. F. A. Byles. 1,796,239; Mar. 10.
Regulator. J. Rumpf. 1,837,233; Dec. 22.
Regulator. C. H. Smoot. 1,796,967–8; Mar. 17.
Regulator and cut-off, Pressure. A. L. Klees and B. Greenfield. 1,800,352; Apr. 14.
Regulator and governor, High-speed. R. Mayer. 1,798,616; Mar. 31.
Regulator and safety switch, Automatic water level. G. S. Faber. 1,838,378; Dec. 29.
Regulator and safety valve, Pressure. G. Ackermann. 1,794,270; Feb. 24.
Regulator and the like. A. E. Stacey, jr. 1,833,383; Nov. 24.
Regulator for automobiles, Window. H. A. Myers. 1,833,615; Nov. 24.
Regulator for boilers, Water. J. McAlear. 1,803,479; May 5.
Regulator for brake rigging. W. H. Sauvage. 1,798,436–7; Mar. 31.
Regulator for brake rigging. W. H. Sauvage. 1,802,673; Apr. 28.
Regulator for brake rigging. W. H. Sauvage. 1,825,366; Sept. 29.
Regulator for filling mechanisms, Pressure. J. Kantor and C. H. Miller. 1,834,245; Dec. 1.
Regulator for oxyacetylene welders, Proportioning. B. M. Eaton. 1,798,317; Mar. 31.
Regulator for short circuit amperage on starting arc lights. N. K. Chaney. 1,811,301; June 23.
Regulator for sound reproducing and synchronizing machines. C. H. Garrett and B. G. Herber. 1,821,630; Sept. 1.
Regulator for steam boiler, Feed. E. Torre. 1,809,535; June 9.
Regulator for stokers, Automatic. D. O. Miller. 1,825,279; Sept. 29.
Regulator for valves, Differential. D. H. Annin. 1,810,937; June 23.
Regulator for variable-capacity compressors. A. V. Saharoff. 1,798,435; Mar. 31.
Regulator for vehicle bodies, Window. A. L. Hansen. 1,827,746; Oct. 20.
Regulator for water heaters, Automatic gas and water. O. W. Hahn. 1,789,547; Jan. 20.
Regulator for window ventilator, Air. V. W. I. Frederick. 1,810,824; June 16.
Regulator of the vibrating type, Quick-acting. H. Meyer-Berg and R. Keller. 1,789,031; Jan. 13.
Regulator of the vibrating type, Quick acting. H. Meyer-Berg and R. Keller. 1,822,232; Sept. 8.
Regulator system. J. H. Ashbaugh. 1,828,273; Oct. 20.
Regulator system. J. H. Ashbaugh. 1,832,609; Nov. 17.
Regulator system. J. H. Ashbaugh and H. C. Nycum. 1,830,975; Nov. 10.
Regulator system. J. H. Ashbaugh and H. C. Nycum. 1,832,610; Nov. 17.
Regulator system. J. H. Ashbaugh and S. A. Staege. 1,828,272; Oct. 20.
Regulator system. E. Grau. 1,804,606; May 12.
Regulator system. E. C. Manderfeld. 1,792,650; Feb. 17.
Regulator system. E. R. Morton. 1,788,733–4; Jan. 13.
Regulator system. E. R. Morton. 1,804,178; May 5.
Regulator system. E. R. Morton. 1,811,860; June 30.
Regulator system. P. Paschen. 1,834,134; Dec. 1.
Regulator system. H. M. Stoller. 1,804,126; May 5.
Reheater. W. H. Armacost. 1,818,446; Aug. 11.
Reinforcement applying apparatus. H. C. Howsam and A. Hlavac. 1,816,151; July 28.
Reinforcement cage. H. H. Jenkins. 1,830,202; Nov. 3.
Relasting machine. A. F. Pym. Re18,186; Sept. 15.
Relay. L. N. Crichton and J. V. Breisky. 1,819,501; Aug. 18.
Relay. O. S. Field. 1,824,129–31; Sept. 22.
Relay. S. L. Goldsborough. 1,793,478; Feb. 24.
Relay. E. Grassot. 1,816,772; July 28.
Relay. R. S. Tice and A. L. Holcomb. 1,790,181; Jan. 27.
Relay, Alternating current. O. F. Shepard. 1,835,906; Dec. 8.
Relay and meter testing and calibrating switch. P. Sporn and H. D. Freitag. 1,820,922; Sept. 1.
Relay and meter testing and calibrating switch and key. P. Sporn and H. D. Freitag. 1,791,471; Feb. 3.
Relay apparatus, Electrically-operated. F. C. Holtz. 1,790,864; Feb. 3.
Relay arrangement. S. Shackleton. 1,790,771; Feb. 3.
Relay, Automatic brake. P. D. Tardiff. 1,805,196; May 12.
Relay, Automatic selective pneumatic tube carrier. W. V. McGuinness and W. H. Francis. 1,814,947; July 14.
Relay, Circuit breaker reclosing. C. E. Schnell and E. K. Sadler. 1,835,342; Dec. 8.
Relay, Compensating thermal. G. H. Whittingham. 1,791,457; Feb. 3.
Relay control system. H. C. Robinson. 1,838,961; Dec. 29.
Relay, Counting. W. S. Edsall. 1,805,082; May 12.
Relay, Double contact. H. Rassow. 1,832,657; Nov. 17.
Relay, Electric. L. H. Peter, E. W. Challans, and R. M. Mac Gregor. 1,804,431; May 12.
Relay, Electric-light. F. Schröter. 1,792,766; Feb. 17.
Relay, Electric time. J. Stoecklin. 1,802,039; Apr. 21.
Relay, Electrical. E. M. Allen. 1,835,625; Dec. 8.
Relay, Electrical. P. H. Dowling. 1,808,712; June 2.
Relay, Electrical. B. Lazich. 1,790,671; Feb. 3.
Relay, Electrical. B. Lazich. 1,809,633–4; June 9.
Relay, Electrical. B. Lazich. 1,822,496; Sept. 8.
Relay, Electrical. L. V. Lewis. 1,815,947; July 28.
Relay, Electrical. B. Mishelevich. 1,825,238; Sept. 29.
Relay, Electrical. B. E. O'Hagan. 1,814,329; July 14.
Relay, Electrical. T. J. O'Meara. 1,819,789; Aug. 18.
Relay, Electrical. S. Ruben. 1,815,483; July 21.
Relay, Electrical. N. C. Shaw. 1,797,275; Mar. 24.
Relay, Electrical. N. C. Shaw. 1,812,175; June 30.
Relay, Electrical. N. C. Shaw. 1,837,796; Dec. 22.
Relay, Electrical. A. J. Sorensen. 1,819,271; Aug. 18.
Relay, Electrical. W. B. Wells and N. C. Shaw. 1,830,496; Nov. 3.
Relay, Electromagnetic. C. E. J. Nilson. 1,812,545; June 30.
Relay, Electromagnetic. A. B. Preuss. 1,838,787; Dec. 29.
Relay, Electromagnetic. E. and H. Rosenkilde. 1,838,573; Dec. 29.
Relay, Electromagnetic. H. S. Woodhead. 1,816,165; July 28.
Relay, Fluid pressure. R. Marsland and O. N. Bryant. 1,822,445; Sept. 8.
Relay, Fluid pressure operated. R. C. Allen. 1,833,012; Nov. 24.
Relay for alternating current systems, Protective. H. G. Bell and T. W. Ross. 1,834,373; Dec. 1.

Relay for elevators, Inductor. H. W. Williams. 1,800,126; Apr. 7.
Relay for railway signaling systems, Direct current track. W. D. Hailes. 1,824,136; Sept. 22.
Relay for the selective reception of wireless impulses. W. G. H. Finch. 1,801,146; Apr. 14.
Relay for transmitting adjusting impulses, Mechanical. M. Eule. 1,839,091; Dec. 29.
Relay, High speed. A. M. Curtis. 1,804,746; May 12.
Relay, Induction. R. M. Smith. 1,834,431; Dec. 1.
Relay, Inductor. H. W. Mattingly. 1,795,787; Mar. 10.
Relay, Interlocking. F. M. Hill. 1,800,200; Apr. 14.
Relay, Interlocking. W. K. Lockhart and T. J. O'Meara. 1,799,629; Apr. 7.
Relay, Latching. P. F. Shuey. 1,828,299; Oct. 20.
Relay, Mechanically actuated vibratory. R. D. Salmon. 1,834,292; Dec. 1.
Relay mechanism. A. N. Van Nostrand. 1,817,468; Aug. 4.
Relay mechanism, Fluid pressure. J. L. Ray. 1,807,173; May 26.
Relay, Nonwelding. A. F. Lake. 1,793,858; Feb. 24.
Relay operating mechanism. H. B. Taylor. 1,824,178; Sept. 22.
Relay presetting device, Transient. L. R. Ludwig. 1,831,019; Nov. 10.
Relay, Resonant electrical. C. B. Mirick. 1,813,899; July 7.
Relay responsive to unbalance on electric system, Selective. E. Grassot. 1,816,771; July 28.
Relay responsive to unbalanced electric quantities, Selective. E. Grassot. 1,816,675; July 28.
Relay, Street-lighting. L. W. Chubb. 1,795,009; Mar. 3.
Relay stud, Composite. R. P. Middlekauff. 1,827,205; Oct. 13.
Relay system. J. V. Breisky, and H. A. McLaughlin. 1,792,271; Feb. 10.
Relay system. F. B. Kalknor and T. R. Goldsborough. 1,822,086; Sept. 8.
Relay system. M. Siede and F. Lubberger. 1,836,092; Dec. 15.
Relay system. J. C. Warner. 1,839,067; Dec. 29.
Relay system and method. F. A. Kolster. 1,834,283; Dec. 1.
Relay system for high-speed circuit breakers. R. E. Hellmund. 1,821,342; Sept. 1.
Relay system, Protective. L. R. Ludwig. 1,794,971; Mar. 3.
Relay system using reactors, Protective. R. D. Evans. 1,837,033; Dec. 15.
Relay, Thermal. H. D. Matthews. 1,809,304; June 9.
Release mechanism. I. Corcoran. 1,813,914; July 7.
Release mechanism, Overland. H. D. Colman. 1,815,345; July 21.
Releasing and suspending device, Combined. H. L. Bancroft. 1,791,341; Feb. 3.
Releasing clamp. J. M. Jester. 1,833,578; Nov. 24.
Releasing device for mail bags. J. L. de Give. 1,812,688; June 30.
Releasing mechanism, Automatic. W. A. Rothholz. 1,789,115; Jan. 13.
Releasing mechanism for automatic vending machines. S. Wistoft. 1,831,217; Nov. 10.
Releasing overshot. F. Jones, H. Schwab, and C. P. Skinner. 1,797,505; Mar. 24.
Remedy for colds and the like. J. Hollo. 1,794,292; Feb. 24.
Remote control. C. Bradley. 1,835,631; Dec. 8.
Remote-control and answer-back system. T. Hall. 1,788,793; Jan. 13.
Remote control apparatus. T. F. Bludworth and J. B. Vachris. 1,832,474; Nov. 17.
Remote control apparatus. A. V. Eastman. 1,834,771; Dec. 1.
Remote control apparatus. J. M. Pelikan. 1,801,974; Apr. 21.
Remote control apparatus. G. Somajni. 1,798,044; Mar. 24.
Remote control apparatus. J. J. Vanhorn. 1,812,225; June 30.
Remote control apparatus. J. J. Vanhorn. 1,822,913; Sept. 15.
Remote control for fluid motors. A. Scott. 1,824,058; Sept. 22.
Remote control indicator system. K. Wilde. 1,822,683; Sept. 8.
Remote control mechanism. C. A. Campbell. 1,806,669; May 26.
Remote control system. W. R. G. Baker. 1,823,718; Sept. 15.
Remote control system. C. A. Brooks. 1,824,592; Sept. 22.
Remote control system. H. E. Hershey. 1,795,650; Mar. 10.
Remote control system. H. E. Hershey. 1,803,614; May 5.
Remote control system. H. E. Hershey. 1,814,385; July 14.
Remote-control system. M. L. Nelson. 1,796,957; Mar. 17.
Remote control system. M. L. Nelson. 1,814,524; July 14.
Remote control system. C. Remington. 1,793,828; Feb. 24.
Remote control system. C. Remington. 1,814,529; July 14.
Remote control system, Electrical. B. H. Leeson and O. C. F. King. 1,820,354; Aug. 25.
Removable seat. E. F. Trudo. 1,827,124; Oct. 13.
Rendering process. S. Hiller. 1,789,751; Jan. 20.
Rendering process. S. Hiller. 1,821,639; Sept. 1.
Rendering tank. H. E. Dudycha. 1,803,604; May 5.
Renovator, Batch. C. V. Fuqua. 1,793,475; Feb. 24.
Renovator, Portable blackboard. A. Bennington. 1,810,336; June 16.
Repair apparatus, Combination. A. H. Fisher. 1,813,918; July 14.
Repair bag, Sectional. C. J. Smith, G. K. McNeill, and C. J. Dolding. 1,818,766; Aug. 11.
Repair device for pipe lines, Wrought metal. J. Clark and J. E. Walborn. 1,816,421; July 28.
Repeater. L. H. Hook, P. Evans, and C. S. Wallrab. 1,805,312; May 12.
Repeater apparatus. W. H. Edwards. 1,823,933; Sept. 22.
Repeater for signaling circuits. R. V. Morgenstern. 1,836,000; Dec. 8.
Reproducer, Electrostatic. R. H. Leffler. 1,796,155; Mar. 10.
Reproducing device. J. S. High. 1,795,948; Mar. 10.
Reproducing machine. C. Krebs. 1,807,989; June 2.
Reproducing mechanism. C. Krebs. Re18,259; Nov. 24.
Reproduction and sending unit, Combined. C. E. Burk. 1,824,655; Sept. 22.
Rerailer. R. J. Connick. 1,821,880; Sept. 1.
Rerailer for cars and locomotives. A. G. Lawrie. 1,794,020; Feb. 24.
Rerailing frog. W. R. Millard. 1,831,632; Nov. 10.
Reserve apparatus for oil stills. G. E. Iofgren. 1,835,230; Dec. 8.
Reservoir, Concrete storage. E. R. Oden. 1,818,005; Aug. 11.
Reservoir, Ink carrying. S. Lipschutz. 1,822,897; Sept. 15.
Reservoir-leakage-preventing device. S. G. Down. 1,793,579; Feb. 24.
Reservoir, swimming pool, and like structure and preformed packing for same. H. L. Rogers. 1,790,075; Jan. 27.
Reservoir, Variable capacity. E. D. Eby. 1,823,731; Sept. 15.
Residue remaining after extracting soluble substances from malt grain, Treatment of. M. M. Koller. 1,799,142; Mar. 31.
Resilient connection. S. P. Ward. 1,813,214; July 7.
Resilient mounting bracket. H. D. Geyer. 1,817,482; Aug. 4.
Resilient seat. W. Comerford. 1,825,581; Sept. 29.
Resilient wheel. N. J. Holmes and C. Taylor. 1,837,774; Dec. 22.
Resilient wheel. Major Lagard. 1,791,930; Feb. 10.
Resilient wheel. G. L. R. J. Messier. 1,834,857; Dec. 1.
Resilient wheel. R. H. Prosser. 1,823,166; Sept. 15.
Resilient wheel. D. E. Tutt. 1,802,686; Apr. 28.
Resin. H. A. Bruson. 1,813,838; July 7.
Resin. G. H. Mains. 1,835,510; Dec. 8.
Resin and making same, Artificial. J. V. Meigs. 1,832,038; Nov. 17.
Resin, and making same, Synthetic. S. P. Burke. 1,814,124; July 14.
Resin and making same, Synthetic. C. Ellis. 1,793,312; Feb. 17.
Resin and making same, Synthetic. J. McIntosh. 1,820,816; Aug. 25.
Resin and making the same, Furfural-urea. E. E. Novotny and W. W. Johnson. 1,827,824; Oct. 20.
Resin and making the same, Synthetic. L. V. Adams. 1,805,473; May 19.
Resin and making the same, Synthetic. E. E. Novotny. 1,793,715; Feb. 24.
Resin and making the same, Synthetic. E. E. Novotny. 1,802,390; Apr. 28.
Resin complex and producing the same. I. Rosenblum. 1,808,716; June 2.
Resin complex from chlorinated toluol and phenol and making same, Synthetic. C. Ellis. 1,793,311; Feb. 17.
Resin compound and preparing the same, Synthetic. C. G. Moore and M. Zucker. 1,812,639; June 30.
Resin compound, Gum. R. S. Goodenow. 1,821,703; Sept. 1.
Resin esters, Producing. A. C. Johnston. 1,824,020; Sept. 22.
Resin or resinous product and making same. C. Ellis. 1,787,618; Jan. 6.
Resin phenol products, New condensation. A. Doser and A. Thauss. 1,788,371–2; Jan. 13.
Resin, Prepared. C. A. Thomas and C. A. Hochwalt. 1,836,629; Dec. 15.
Resin, Refining natural and artificial. W. Schultze. 1,793,967; Feb. 24.
Resin solution and preparing same. J. H. Schmidt. 1,818,360; Aug. 11.
Resin, Synthetic. C. Ellis. 1,793,310; Feb. 17.
Resins by condensation of urea with aldehydes, Manufacturing hyprophobe. K. Ripper. 1,833,868; Nov. 24.
Resins, Manufacture of artificial. O. Schmidt, K. Seydel, and N. Roh. 1,823,127; Sept. 15.
Resins, New products obtainable from. A. Doser, G. Mauthe, and A. Thauss. 1,828,033; Oct. 20.

Resins, Production of paracoumarone. E. H. Ellms. 1,797,260; Mar. 24.
Resins, Treating. P. Stuhlmann. 1,809,738; June 9.
Resinous by-products in the manufacture of wood pulp, Recovering. E. H. French. 1,810,472; June 16.
Resinous complex and making same, Synthetic. I. Rosenblum. 1,809,570; June 9.
Resinous composition and making same. C. Ellis. 1,811,115; June 23.
Resinous condensation product and method of preparation. E. S. Dawson, jr. 1,803,174; Apr. 28.
Resinous material and making the same. R. H. Kienle and W. J. Scheiber. 1,812,749; June 30.
Resinous product and preparing the same. J. A. Nieuwland. 1,812,541; June 30.
Resistance apparatus. J. Raus. 1,826,673; Oct. 6.
Resistance elements, Supporting. G. H. Whittingham. 1,791,456; Feb. 3.
Resistance furnace. G. S. Peterson. 1,834,640; Dec. 1.
Resistance material and making same. E. J. Haverstick. 1,806,347; May 19.
Resistance, Replaceable. R. Dubois. 1,825,585; Sept. 29.
Resistance unit. S. B. Allen. 1,835,582; Dec. 8.
Resistance unit. H. F. Gill. 1,796,199; Mar. 10.
Resistance unit. L. Kebler. 1,800,688; Apr. 14.
Resistance unit. J. L. McWeeny and W. D. McCord. 1,789,150; Jan. 13.
Resistance unit. W. J. Means. 1,832,466; Nov. 17.
Resistance unit. J. J. Mucher. 1,795,961; Mar. 10.
Resistance unit. O. U. Zerk. 1,812,916; July 7.
Resistance unit, Adjustable. H. D. Gill. 1,838,037; Dec. 22.
Resistance unit and producing the same. C. H. Boyles. 1,788,146; Jan. 6.
Resistance unit, Variable. L. L. Jones. 1,819,246; Aug. 18.
Resistance unit, Variable. T. A. Swartz and W. P. Uhler. 1,807,806; June 2.
Resistance units, Assembling. R. C. Shindledecker. 1,825,481; Sept. 29.
Resistances, Arrangement for the determination of. H. Grüss and K. Rau. 1,820,738; Aug. 25.
Resistor. G. B. Crouse. 1,830,092; Nov. 3.
Resistor. O. Schurig. 1,807,441; May 26.
Resistor block and making. S. Morse. 1,821,022; Sept. 1.
Resistor unit and forming same. L. Bradley. 1,835,267; Dec. 8.
Resistor unit and forming the same. L. E. Power. 1,824,056; Sept. 22.
Resistor units, Forming. L. E. Power. 1,816,194; July 28.
Resistor, Variable. L. L. Jones. 1,836,600; Dec. 15.
Resistors in protective atmospheres, Operation of silicon carbide. R. C. Benner, G. J. Easter, and C. E. Hawke. 1,837,179; Dec. 15.
Resonance attachment for sound reproducing devices. A. E. Tauscher and B. E. Schultze. 1,812,998; July 7.
Resonator. E. P. Cole. 1,802,593; Apr. 28.
Resonator. E. Giebe and A. Scheibe. 1,809,624; June 9.
Respiration meter. W. P. Hobart. 1,817,145; Aug. 4.
Respirator. H. S. Cover. 1,813,915; July 14.
Respirator. F. Willson. 1,821,996; Sept. 8.
Resonator. Stacked spiral. M. R. Hutchison, jr. 1,836,075; Dec. 15.
Resonator, Visibly indicating piezo electric crystal. H. Eberhard. 1,830,532; Nov. 3.
Respiration apparatus. P. Drinker and L. A. Shaw. 1,834,580; Dec. 1.
Respirator. R. Malcom. 1,827,028; Oct. 13.
Respirator. H. F. Shindel. 1,837,591; Dec. 22.
Rest, Disappearing machine. D. H. Chason. 1,820,527; Aug. 25.
Rest for violins and similar musical instruments, Chin. K. Mai. 1,821,811; Sept. 1.
Restaurant building. F. S. Fenton. Des. 84,188; May 19.
Restaurant service system and apparatus. M. P. Sarfaty 1,796,668; Mar. 17.
Restaurant unit. J. W. Ward. 1,794,745; Mar. 3.
Restaurant, Waiterless. C. G. Hall. 1,825,950–1; Oct. 6.
Restraining device. R. B. Jordan. 1,787,531; Jan. 6.
Restraining device. C. H. Mickelsen. 1,828,610; Oct. 20.
Retainer for door latch spindles. F. D. Grund. 1,837,431; Dec. 22.
Retainer for oil wells, Pipe. J. S. Lacey. 1,802,565; Apr. 28.
Retainer for the balls of ball bearings. H. Wickland. 1,814,993; July 14.
Retainer for visible index card holders, Yielding. J. R. Clark. 1,816,635–7; July 28.
Retainer, Punch and die. O. K. and C. C. Richard. 1,821,770; Sept. 1.
Retaining device. I. Sideman. 1,821,675; Sept. 1.
Retaining device. D. L. Townsend. 1,817,720; Aug. 4.
Retaining means for furnace wall blocks contacting with wall tubes. E. G. Bailey and R. M. Hardgrove. 1,823,870; Sept. 22.
Retaining ring, Drill cutter. F. L. Scott. 1,809,074; June 9.
Retarder. J. H. Kintzele. 1,802,975; Apr. 28.
Retarding device. C. H. Black. 1,821,787; Sept. 1.
Retarding device. J. C. Woodford. 1,801,032; Apr. 14.
Retarding device for spring suspension, Frictional. E. J. Pilblad. 1,822,236; Sept. 8.
Retinoscope. J. Copeland. 1,804,151; May 5.
Re-toothing machine. V. J. Mathieu. 1,805,831; May 19.
Retort. G. McD. Johns. 1,828,489; Oct. 20.
Retort. W. F. Rieger. 1,790,840; Feb. 3.
Retort and improved valve construction therefor. N. Goodwin and N. M. Mumper. 1,834,305; Dec. 1.
Retort, Carbonizing or like. C. Turner. 1,814,982; July 14.
Retort construction. R. B. Parker. 1,822,541; Sept. 8.
Retort discharging means. C. V. McIntire. 1,818,567; Aug. 11.
Retort for the treatment of oil shale and the like, Rotary. T. M. Davidson. 1,831,704; Nov. 10.
Retort furnace. F. A. Hansen. 1,825,790; Oct. 6.
Retort or heater for use in heating liquids. W. A. J. Kreager. 1,838,266; Dec. 29.
Retort for the treatment of oil shales, bitumens, hydrocarbons, and other elements. A. Stewart. 1,800,366; Apr. 14.
Retort furnace. Ore. Ore-roasting muffled. H. S. Bailey. 1,792,476; Feb. 17.
Retort, Shale. C. O. White. 1,799,268; Apr. 7.
Retort, Vertical distillation. J. Pieters. 1,816,794; July 28.
Retorts, Apparatus for charging. W. E. Naylor. 1,796,802; Mar. 17.
Retorts, Double offtake for coking. J. Van Ackeren. 1,803,881; May 5.
Retractile device. F. A. Voos. 1,817,024; Aug. 4.
Return bend. J. E. Getzen, C. H. Denicke and M. B. Crowe. 1,831,708; Nov. 10.
Return trap. J. Fraser, jr., and F. Hutchinson. 1,835,035; Dec. 8.
Reverberatory furnace. W. F. Sklenar. 1,823,005; Sept. 15.
Reverse motion check. E. J. Richardson. 1,805,226; May 12.
Reverse-rotation-preventing device. F. E. Scherrer. 1,799,708; Apr. 7.
Reversible device for the transformation of reciprocating motion into circular motion. A. L. Varcin. 1,835,680; Dec. 8.
Reversing device, Automatic. C. Miedbrodt. 1,799,112; Mar. 31.
Reversing device for internal-combustion engines. C. H. Leufstadius. 1,790,053; Jan. 27.
Reversing device, Mechanical. F. A. Gilb. 1,789,867; Jan. 20.
Reversing mechanism. H. Anderson. 1,818,664; Aug. 11.
Reversing mechanism. H. W. Eicher, sr. 1,797,080; Mar. 17.
Reversing mechanism. R. Gatzsche. 1,808,348; June 2.
Reversing mechanism. J. E. Higgins. 1,804,983; May 12.
Reversing mechanism. H. A. Tuttle. 1,794,044; Feb. 24.
Reversing mechanism. H. A. Tuttle. 1,799,264; Apr. 7.
Reversing mechanism. H. A. Tuttle. 1,806,431; May 19.
Reversing mechanism. H. J. White. 1,795,629; Mar. 10.
Reversing mechanism, Deferred action. H. Ernst and L. F. Nenninger. 1,838,028; Dec. 22.
Reversing mechanism, Hydraulically operated. L. R. Williamson. 1,824,700; Sept. 22.
Reversing switch. H. Brodt. 1,804,086; May 5.
Reversing switch. F. A. Young. 1,805,434; May 12.
Reversing switch, Double throw. B. E. Getchell. 1,831,239; Nov. 10.
Revetment mat. B. A. Ross. 1,822,602; Sept. 8.
Revolver for cloth shearing machines. E. H. Marble. 1,832,717; Nov. 17.
Revolving shears, Electric motor-driven. A. P. Snyder. 1,797,028; Mar. 17.
Rewinding device. T. L. Daniel. 1,788,564; Jan. 13.
Rewinding mechanism. C. J. Rowe. 1,809,147; June 9.
Rheostat. M. H. Bennett. 1,793,580; Feb. 24.
Rheostat. T. Rhodus. 1,800,845; Apr. 14.
Rheostat. N. C. Schellenger. 1,823,473–4; Sept. 15.
Rheostat and potentiometer. W. A. Bruno. 1,834,896; Dec. 1.
Rheostat and switch, Combined. L. Caruso. 1,821,927; Sept. 8.
Rheostat, Compressible pile. V. E. Woodcock. 1,807,366; May 26.
Rheostat, Metal frame. N. C. Schellenger. 1,823,472; Sept. 15.
Rheostat, Water. C. C. Whittaker. 1,819,141; Aug. 18.
Rhodium, iridium, osmium, ruthenium, and the like, Precipitating. E. H. Reerink. 1,818,909; Aug. 11.
Rhythm sounder, selective. W. O. Miessner. 1,790,278; Jan. 27.
Ribbing for innersoles and innersole equipped therewith, Attachable. P. W. Valentine. 1,802,361; Apr. 28.
Ribbon burner. W. B. Ensign and L. H. V. Reynolds. 1,789,226; Jan. 13.
Ribbon covering machine. G. L. Preble. 1,811,477; June 23.
Ribbon feed mechanism. B. R. Schneider. 1,831,264; Nov. 10.
Ribbon feeding mechanism. A. Thomas. 1,812,251; June 30.
Ribbon frame. C. W. Green. 1,815,026; July 14.
Ribbon-gold magazine. V. L. Stolze. 1,789,787; Jan. 20.
Ribbon, Hollow. W. Vorwerk. 1,794,127; Feb. 24.
Ribbon inking device. E. O. Eckland and W. H. Young. 1,832,007; Nov. 17.
Ribbon, Lingerie. A. Von Ostermann. Des. 83,081; Jan. 13.

Ribbon-shifting mechanism. R. E. Page. 1,800,399; Apr. 14.
Ribbon-spacing reel. H. E. Walker. 1,799,713; Apr. 7.
Rice cleaning device. A. M., J. W., and M. Hoefling. 1,832,553; Nov. 17.
Ricinoleate, Mercuric. J. L. Russell and H. E. Melton. 1,820,761; Aug. 25.
Ridge burster. W. H. Silver. 1,822,711; Sept. 8.
Ridging or hilling machine. E. M. Cole. 1,801,036; Apr. 14.
Riding device. L. Colella. 1,821,462; Sept. 1.
Riding device, Circumrotary. E. E. Clark. 1,792,073; Feb. 10.
Rifle, Air. F. Mihalyi. 1,848,999; Dec. 29.
Rifle attachment for firing miniature ammunition. K. Danthine. 1,805,278; May 12.
Rifle, Automatic air. E. H. Miller. 1,818,810; Aug. 11.
Rifles, Receiver sight for army. W. J. Sutton. 1,809,257; June 9.
Rifles, Shooting and magazine barrel for air. C. F. Le Fever. 1,793,625; Feb. 24.
Rig, Oil well. R. T. Boles. 1,822,268; Sept. 8.
Rig, Rotary drilling. H. Pennington. 1,822,710; Sept. 8.
Rig, Sheet conveying. H. E. Edwards. 1,830,264; Nov. 3.
Rigging for sailboats. C. V. Kozlay. 1,829,413; Oct. 27.
Rigging hook. J Nadeau. 1,803,401; May 5.
Rigging plate. N. L. Wright. 1,796,913; Mar. 17.
Rigid structure, Light-weight. A. E. L. Chorlton, R. A. de H. Haig, and H. J. Stieger. 1,798,064; Mar. 24.
Rim. C. V. Conrad. 1,818,791; Aug. 11.
Rim. W. R. Gillam. 1,835,038; Dec. 8.
Rim. H. F. Kenslow. 1,791,596; Feb. 10.
Rim and bracket for vehicle wheels, Sectional auxiliary. O. G. Gregson. 1,806,532; May 19.
Rim and protector, Emergency. A. W. Fitz. 1,808,979; June 9.
Rim and tire lock, Wheel. A. M. Furtow. 1,816,147; July 28.
Rim, Automobile wheel. J. H. Wagenhorst. 1,798,569; Mar. 31.
Rim, Demountable. L. Doty and R. S. Carroll. 1,827,465; Oct. 13.
Rim, Demountable. D. B. Gentry. 1,817,813; Aug. 4.
Rim, Demountable. A. J. Helvern. 1,836,922; Dec. 15.
Rim, Demountable. C. R. Padgett. 1,800,100; Apr. 7.
Rim, Demountable. C. F. Rubsam. 1,799,254; Apr. 7.
Rim, Demountable. J. W. Stark. 1,811,337; June 23.
Rim, Demountable. J. J. Turner. 1,790,393; Jan. 27.
Rim, Demountable tire. W. O. Alexander. 1,815,818; July 21.
Rim, Demountable tire. J. Scheideman. 1,828,076; Oct. 20.
Rim, Demountable wheel. F. W. Baker. 1,820,173; Aug. 25.
Rim end connecter. J. W. Stark. 1,807,106; May 26.
Rim extension for tractor wheels. P. Shelby, jr. 1,815,117; July 21.
Rim for automobile wheels. J. and A. Folgarolas. 1,827,645; Oct. 13.
Rim for disk and other wheels. Demountable. A. Rogers. 1,798,759; Mar. 31.
Rim forming machine and method of forming rims. G. P. Kline. 1,816,117; July 28.
Rim mounting device, Wheel. J. W. Holt. 1,812,338; June 30.
Rim mounting, Wheel-. W. H. Long. 1,797,529; Mar. 24.
Rim securing means. W. A. Clench. 1,832,894; Nov. 24.
Rim, Split. F. L. Main. 1,836,676; Dec. 15.
Rim, Steering wheel. F. C. McManus. 1,801,283; Apr. 21.
Rim, Tire. W. H. Filkins. 1,838,817; Dec. 29.
Rim, Tire. G. C. Ramsay. 1,817,764; Aug. 4.
Rim, Tire carrying. W. N. Booth. 1,812,033; June 30.
Rim, Vehicle wheel. E. F. Brunner. 1,838,050; Dec. 22.
Rim, Wheel. F. W. Baker. 1,817,906; Aug. 11.
Rim, Wheel. F. W. Baker. 1,819,403; Aug. 18.
Rim, Wheel. A. M. Rees. 1,823,842; Sept. 15.
Rims for reels, wheels, frames, etc., Forming. E. R. German. 1,819,678; Aug. 18.
Ring: *See*—

Anchor ring.	Piston and piston ring.
Checking ring.	Piston oil saving ring.
Distributor ring.	Piston packing ring
Drive ring.	Piston ring.
Finger ring.	Plate holding ring.
Flashing ring.	Plaster ring.
Flower-pot-lifting ring.	Retaining ring.
Key ring.	Sealing ring.
Lock ring.	Train order ring.
Packing ring.	Wedding ring.

Ring. N. Barclay. Des. 83,945; Apr. 21.
Ring. A. O. Burgess. Des. 83,719; Mar. 24.
Ring. D. E. Carlson. Des. 85,686; Dec. 8.
Ring. H. Cedar. 1,814,467; July 14.
Ring. C. C. Emery. Des. 85,742; Dec. 15.
Ring. J. Goldman. Des. 84,410–11; June 16.
Ring. J. J. Kagan. Des. 83,621; Mar. 10.
Ring. J. J. Kagan. Des. 83,859; Apr. 7.
Ring. A., J. A., M., and B. Litwin. Des. 83,459; Feb. 24.
Ring. A., J. A., M., and B. Litwin. Des. 83,736; Mar. 24.
Ring. J. A. Meyers and H. H. Johnson. Des. 84,427; June 16.
Ring. J. R. O'Neil. 798,103; Mar. 24.
Ring. E. A. Rossner. 1,830,337; Nov. 3.
Ring. A. G. Sager. Des. 85,842; Dec. 22.
Ring. C. E. Sejnoha. Des. 83,760; Mar. 24.
Ring and bar traveler construction. L. W. Schaaff. 1,834,874; Dec. 1.
Ring and the like, Finger. H. W. Peters. 1,810,850; June 16.
Ring and the like, Finger. H. W. Peters. 1,828,616; Oct. 20.
Ring binder attachment. C. H. Franz, jr. 1,806,157; May 19.
Ring, bracelet, and the like, Finger. T. Mountford. 1,796,387; Mar. 17.
Ring construction, Finger-. M. L. Novack. 1,800,227; Apr. 14.
Ring expander. J. Mazer. 1,830,235; Nov. 3.
Ring, Finger. J. Granat. Des. 83,985; Sept. 1.
Ring for chains on traps and making the same. R. H. Mueller. 1,801,363; Apr. 21.
Ring for joints, Sealing. W. G. Willson. 1,821,862; Sept. 1.
Ring forming machine with knockout. C. L. Wiles. 1,819,630; Aug. 18.
Ring for the manufacture of pneumatic-tire casings, Flexible sealing. H. A. Miller. 1,791,737; Feb. 10.
Ring guard, Finger. M. Kraft and J. Birnbaum. 1,809,045; June 9.
Ring or article of similar nature, Finger. B. Gross. Des. 83,438; Feb. 24.
Ring or article of similar nature, Finger. E. J. Gross. Des. 84,284–6; June 2.
Ring or article of similar nature, Finger. E. J. Gross. Des. 85,234–7; Sept. 29.
Ring or similar article, Finger. J. Berlinger. Des. 84,457; June 23.
Ring or similar article, Finger. A. Botkin. Des. 83,717; Mar. 24.
Ring or similar article, Finger. H. W. Earnshaw. Des. 85,578; Nov. 17.
Ring or similar article, Finger. A. Suderov. Des. 84,189; May 19.
Ring or similar article, Finger. A. Suderov. Des. 84,216–17; May 19.
Ring or similar article, Finger. H. Yablow and L. Peris. Des. 85,680; Dec. 1.
Ring rolling machine. J. H. Taylor. 1,832,881; Nov. 24.
Ring rolling mill. J. H. Taylor. 1,833,097; Nov. 24.
Ring spring. O. R. Wikander. 1,832,439; Nov. 17.
Ring traveler. G. H. Gilligan. 1,816,479; July 28.
Ring traveler. G. H. Gilligan. 1,825,113; Sept. 29.
Ringing system, Selective. W. H. Edwards. 1,795,389; Mar. 10.
Rings and the like, Making finger. H. W. Peters. 1,815,988; July 28.
Rings for springs, Making. F. B. Bell and B. W. Dunham. 1,798,301; Mar. 31.
Rings, Locking device for anti-friction bearing. R. W. Bowne. 1,821,877; Sept. 1.
Rings, Method and machine for forming. G. A. Vis. 1,838,892; Dec. 29.
Rings of roller bearings and similar ground-rings, Method and device for turning out the. R. Dreyhaupt. 1,821,743; Sept. 1.
Rings, Truing. J. A. Ganster. 1,836,112; Dec. 15.
Rinsing and drying apparatus. H. F. Vieau and E. J. O'Neill. 1,819,982; Aug. 18.
River channel deepening means. F. Fredeen. 1,822,964; Sept. 15.
Rivet. M. F. Carr. 1,826,705; Oct. 13.
Rivet. W. I. Jones. 1,813,892; July 7.
Rivet cutting gun. E. W. Stevens. 1,829,309; Oct. 27.
Rivet feed. E. B. Stimpson. 1,807,942; June 2.
Rivet former and header. H. W. St. Pierre. 1,797,702; Mar. 24.
Rivet passer, Pneumatic. W. L. Gray. 1,794,846; Mar. 3.
Rivet rolling device. J. Gardiner. 1,804,683; May 12.
Rivet set clip. E. W. Stevens. 1,801,577; Apr. 21.
Rivet setting and punching press. W. E. Rees. 1,806,217; May 19.
Rivet setting machine. F. R. Alford. 1,832,681; Nov. 17.
Rivet setting machine. A. W. Phelps and N. L. Penn. 1,839,048; Dec. 29.
Rivet-slitting machine. E. B. Stimpson. 1,793,648; Feb. 24.
Rivet-slitting machine. E. B. Stimpson and J. F. Suessle. 1,793,648; Feb. 24.
Riveter. J. J. Taylor. 1,821,410; Sept. 1.
Riveter, Geared roller wedge. J. C. Hanna. 1,816,677; July 28.
Riveter, Pinch. K. R. Hammerstrom and L. H. Vold. 1,805,282; May 12.
Riveter, Squeeze. E. W. Stevens. 1,816,918; Aug. 4.
Riveting. E. Becker. 1,809,154; June 9.
Riveting. J. McDonough. 1,796,852; Mar. 17.
Riveting and bending machine, Hydraulic. F. J. Myers. 1,828,874; Oct. 27.
Riveting and punching machine. A. O. Wisti. 1,792,790; Feb. 17.
Riveting apparatus. R. S. Osborne. 1,808,431; June 2.
Riveting apparatus. P. F. Wood. 1,801,651; Apr. 21.
Riveting device. H. Junkers. 1,802,719; Apr. 28.
Riveting machine. R. Brandt. 1,798,303; Mar. 31.
Riveting machine. H. Elsner. 1,798,976; Mar. 31.
Riveting machine. C. Knoth. 1,791,505; Feb. 10.

Riveting machine. J. G. McClean. 1,813,415; July 7.
Riveting machine. E. Peacock. 1,832,732; Nov. 17.
Riveting machine. F. H. Rohr. 1,814,632; July 14.
Riveting machine. H. N. Wylie and P. G. Crabbe. 1,829,697; Oct. 27.
Riveting machine, Commutator. L. E. Poole. 1,800,567; Apr. 14.
Riveting machines, Feeding mechanism for. E. B. Stimpson and J. F. Suessle. 1,807,941; June 2.
Riveting press. H. D. Thweatt. 1,790,029; Jan. 27.
Riveting press, Automatic. R. A. Skriba and F. J. Littell. 1,820,254; Aug. 25.
Rivets and the like, Method and machine for making tubular. O. L. Smith. 1,830,722; Nov. 3.
Rivets of special section to rivet presses, Feeding. R. A. Skriba and F. J. Littell. 1,829,967; Nov. 3.
Riving machine. E. Miller. 1,787,994; Jan. 6.
Riving machine. E. Miller. 1,814,726; July 14.
Riving machine. E. Miller. 1,828,873; Oct. 27.
Road and preparing and laying the same, Stone asphalt. D. M. Hepburn. 1,827,522; Oct. 13.
Roadbed equipment and using the same. S. A. Mork. 1,807,002; May 26.
Roadbed working machine. C. Jackson. 1,808,896; June 9.
Road beds or foundations in sink holes, Method and apparatus for placing. S. D. Solomon. 1,837,498; Dec. 22.
Road breaking apparatus. J. J. Magee. 1,804,360; May 5.
Road-breaking device. R. Edgren. 1,798,975; Mar. 31.
Road builder, ditcher, and brush breaker, Combination. S. H. Burnstad. 1,795,360; Mar. 10.
Road-building aggregate, Preparing. L. Wittenberg. 1,791,109; Feb. 3.
Road building apparatus. J. W. Heltzel. 1,804,337; May 5.
Road building machine. H. R. Miller. 1,827,897; Oct. 20.
Road chair. H. W. Nester. 1,830,883; Nov. 10.
Road composition. S. S. Sadtler and E. F. Cayo. 1,834,552; Dec. 1.
Road construction. F. R. Wilson. 1,806,778; May 26.
Road ditch and shoulder maintainer. D. Schork and C. Marks. 1,801,880; Apr. 21.
Road drag. C. H. Cook. 1,794,882; Mar. 3.
Road drag. A. Hoiland. 1,798,739; Mar. 31.
Road finishing machine. R. W. Briggs. 1,833,387; Nov. 24.
Road-finishing machine. C. A. Gustafson. 1,797,288; Mar. 24.
Road grader main frame. C. B. Faverty. 1,828,526; Oct. 20.
Road grading machine. R. E. Adams. 1,833,878; Nov. 24.
Road grading machines, Sloper attachment for. C. B. Scheffold. 1,818,434; Aug. 11.
Road guard. E. V. Camp. 1,793,674–6; Feb. 24.
Road light, Dirigible. L. L. Witter. 1,797,707; Mar. 24.
Road machine. W. T. Beatty. 1,793,668; Feb. 24.
Road machine. J. G. Fairley. 1,818,887; Aug. 11.
Road machine. J. B. Jarmin. 1,812,296; June 30.
Road machine. J. B. Jarmin. 1,812,342; June 30.
Road machine. J. B. Pridgen. 1,838,570; Dec. 29.
Road machine, Four wheel drive. F. D. Wilson. 1,829,622; Oct. 27.
Road maintainer. J. L. Becker. 1,788,044–5; Jan. 6.
Road maintainer. J. Stocker. 1,807,639; June 2.
Road making and material used therein. E. C. Wallace. 1,788,258; Jan. 6.
Road making and the like. J. Radcliffe. Re17,985; Mar. 3.
Road planing machine. H. M. Reinking. 1,828,681; Oct. 20.
Road roller. De W. C. Huntley. 1,831,116; Nov. 10.
Road scarifier and scraper. W. T. Beatty and F. D. Wilson. 1,829,728; Nov. 3.
Road spreader. C. H. Naber and C. Holliday. 1,838,631, Dec. 29.
Road spreader or plow. A. L. Greenabaum. Re17,932; Jan. 13.
Road spreading machine. A. N. Nickerson. 1,818,500; Aug. 11.
Road stand, Adjustable. J. H. Farrar. 1,812,689; June 30.
Road subgrading machine. V. R. Hughes. 1,804,418; May 12.
Road surface. Bituminous. H. Fritsch. 1,834,835; Dec. 1.
Road surfaces, Making. S. E. Finley. 1,823,682; Sept. 15.
Road surfacing machine. H. C. Phillips. 1,802,216; Apr. 21.
Road-surfacing materials, Disintegrating apparatus for. B. M. Fordyce. 1,791,865; Feb. 10.
Road treating apparatus. H. A. Ingalls. 1,807,412; May 26.
Road working machine. N. E. Jersey. 1,819,466; Aug. 18.
Roads and in preparing of the materials therefor, Building. S. S. Sadtler. 1,830,486; Nov. 3.
Roadster body, Pressed metal. J. Ledwinka. 1,808,899; June 9.
Roadway, Flexible. H. B. Missillier. 1,795,228; Mar. 3.
Roadway inspecting means. E. A. Sperry. 1,837,633; Dec. 22.
Road wheel, Steerable. A. C. Hutt. 1,802,256; Apr. 21.
Roaster: *See*—
Self-basting roaster.
Roasting apparatus. E. J. Fowler. 1,825,947; Oct. 6.
Roasting apparatus, Automatic. I. F. Blier. 1,787,469; Jan. 6.
Roasting apparatus, Automatic. I. F. Blier. 1,832,854; Nov. 24.
Roasting furnace. E. J. Fowler. 1,805,659; May 19.
Roasting furnace. J. B. Read and M. F. Coolbaugh. 1,833,590; Nov. 24.
Roasting machine. A. K. Smith. 1,799,571; Apr. 7.
Robberyproof equipment. P. E. West and E. H. Reed. 1,811,447; June 23.
Robe. D. Bloom. 1,811,821; June 23.
Robe. F. V. Grüfeld. 1,825,520; Sept. 29.
Rock-abrading machine. W. R. Degenhardt and A. F. de Fraine. 1,795,109; Mar. 3.
Rock abrading machine. W. R. Degenhardt and A. F. de Fraine. 1,806,792; May 26.
Rock-bit cone. G. S. Hull. 1,796,602; Mar. 17.
Rock drill. E. G. Gartin. 1,831,168; Nov. 10.
Rock drill. E. G. Gartin. 1,834,585: Dec. 1.
Rock drill. H. C. Gustafson. 1,826,071; Oct. 6.
Rock drill. M. C. Huffman. 1,829,654; Oct. 27.
Rock drill. E. L. Oldham. 1,808,817; June 9.
Rock drill. J. F. Shook. 1,802,987; Apr. 28.
Rock drill. W. A. Smith. 1,789,117; Jan. 13.
Rock drill. G. W. Smith and A. E. Dieterich. 1,807,016; May 26.
Rock drill, Pneumatic. M. Smith. 1,804,066; May 5.
Rock drilling machine of the hammer type. H. S. Potter. 1,820,245; Aug. 25.
Rock drilling mechanism. E. G. Gartin. 1,824,477; Sept. 22.
Rock drills, Slip rotation for. G. C. Pearson. 1,809,284; June 9.
Rock granule surfacing and roofing surfaced therewith, Glazed. G. H. Brown. 1,831,784; Nov. 10.
Rock in the preparation of calcium-magnesian bisulphite liquor in towers, Utilizing magnesium. D. W. Stewart. 1,828,690; Oct. 20.
Rock into soluble compounds and of separating its content of lime and phosphoric acid, Converting phosphate. E. Johnson. 1,816,285; July 28.
Rock, Leaching phosphate. M. Larsson. 1,836,672; Dec. 15.
Rock, loosely spread masses, or building structures, Solidifying permeable. H. Joosten. 1,827,238; Oct. 13.
Rock, Method of and an apparatus for burning carbonate. G. H. Niles. 1,798,802; Mar. 31.
Rock shaft machines, Feeding mechanisms for top. J. R. Moffat and R. S. Kelso. 1,831,506; Nov. 10.
Rocker chair. B. D. Friend Des. 84,983; Sept. 1.
Rocker toy. L. W. Brown and M. E. Brown. 1,815,183; July 21.
Rocket. S. Scardone. 1,823,378; Sept. 15.
Rocket, Signal. C. C. Stetson. 1,803,366; May 5.
Rocking-arm switch. H. J. Murray. 1,791,478; Feb. 3.
Rocking horse. C. L. Banks and O. W. Smith. 1,833,731; Nov. 24.
Rocking horse. J. H. Berns, jr. 1,806,035; May 19.
Rocking horse. G. F. Sargent. 1,817,768; Aug. 4.
Rod: *See*—
Adjustable connecting rod.
Brake rod.
Clock escapement verge rod.
Curling rod.
Curtain rod.
Duct rod.
Gauging rod.
Geared rod.
Gun casting rod.
Guy rod.
Leveling rod.
Permanent waving rod.
Piston and connecting rod.
Piston rod.
Plumb rod.
Push rod.
Radial connecting rod
Radio connecting rod.
Radius rod.
Stadia rod.
Tie rod.
Welding rod.
Window-retaining rod.
Rod aligning gauge, Connecting. R. T. Anderson. 1,805,475; May 19.
Rod bender, Catenary. S. N. Tideman. 1,824,244; Sept. 22.
Rod bending apparatus. P. Beghetti. 1,820,426; Aug. 25.
Rod bracket. F. Ulbrich. 1,818,829; Aug. 11.
Rod bracket, Coupler-operating. A. E. Small. 1,788,549; Jan. 13.
Rod construction, Connecting-. W. S. Fisher. 1,792,972; Feb. 17.
Rod coupling, Sucker-. G. C. Morue. 1,787,831; Jan. 6.
Rod coupling, Wood. F. H. Thorpe. 1,828,164; Oct. 20.
Rod elevator. C. A. Adams. 1,804,074; May 5.
Rod for suspending curtains on doors and windows. W. H. Norling. 1,819,965; Aug. 18.
Rod for warping machines, Lease. J. B. Yacovone. 1,824,522; Sept. 22.
Rod for welding. C. J. Kotchi. 1,789,656; Jan. 20.
Rod line pick up, Surface. A. V. Clark. 1,808,885; June 9.
Rod mill, Universal. H. Hardinge. 1,807,034; May 26.
Rod or pipe clamp. H. E. Anderson. 1,815,644; July 21.
Rod or spindle for insertion between the threads of the lease of a weaving warp. U. Bischof. 1,798,363; Mar. 31.
Rod support and holder. G. T. Cooke. 1,815,704; July 21.
Rod supporting bracket. E. Reynolds. 1,805,742; May 19.
Rods, Extension system for curtain. W. C. Kenney. 1,794,019; Feb. 24.
Rods from plastic materials, Manufacturing. A. and P. Pischel. 1,832,654; Nov. 17.
Roll. W. C. Oberg. 1,812,248; June 30.

Roll. F. R. Woodward. Des. 18,111; June 23.
Roll. F. R. Woodward. 1,787,890; Jan. 6.
Roll and grinder. G. W. Ginns and C. Booth. 1,788,046; Jan. 6.
Roll changer. B. C. White. 1,807,813; June 2.
Roll changer, Web. H. V. Ball. 1,837,698; Dec. 22.
Roll cleaning machine. G. von Webern. 1,825,837; Oct. 6.
Roll construction, Beater. A. J. Allison. 1,821,604; Sept. 1.
Roll-controlling apparatus, Web-. O. C. Roesen. 1,794,644; Mar. 3.
Roll controlling mechanism, Web. H. V. Ball. 1,819,586; Aug. 18.
Roll for beating engines and the like. F. G. Felley. 1,837,768; Dec. 22.
Roll for belt idlers. W. E. Philips. 1,821,235; Sept. 1.
Roll for calendering machine. T. Greis. 1,795,556; Mar. 10.
Roll for flattening metal sheets. W. E. Foale. 1,806,015; May 19.
Roll for looms, Cloth. H. W. Thatcher. 1,803,286; Apr. 28.
Roll for rolling glass plates from molten glass. L. Von Reis. 1,816,307; July 28.
Roll for run repair machines and the like, Feed. A. C. Parlini. 1,819,478; Aug. 18.
Roll for spinning machines and method and composition for producing the same. D. L. Hayes. 1,819,289; Aug. 18.
Roll, Gearless pivoted suction. H. R. Farnsworth. 1,832,973; Nov. 24.
Roll handling apparatus. F. von der Horst. 1,826,107; Oct. 6.
Roll indenting machine. G. Heim. 1,832,207; Nov. 17.
Roll, Marking. J. K. Vanatta. 1,837,084; Dec. 15.
Roll motion, Detaching. S. H. Helland. 1,818,555; Aug. 11.
Roll rewinder. J. Q. Sherman. 1,794,482; Mar. 3.
Roll, Rotation indicating wringer. G. B. Keltie. 1,815,916; July 28.
Roll scraper for cane mills or the like. W. Dunn. 1,787,937; Jan. 6.
Roll screen. L. L. Bredin. 1,834,513; Dec. 1.
Roll, Suction. C. E. Conley. 1,821,793; Sept. 1.
Roll, Suction. H. R. Farnsworth. 1,832,974; Nov. 24.
Roll, Suction. G. D. Kilberry. 1, 821,757; Sept. 1.
Roll suction device. M. Wenzel. 1,831,334; Nov. 10.
Roll-tensioning means, Strip-. T. R. Gautier. 1,792,461; Feb. 10.
Roll, Textile. J. Adler and P. Doerseln. 1,810,636; June 16.
Roll turning machine. R. A. Johnson and E. M. Chase. 1,811,504; June 23.
Roll winding machine. W. H. Cannard and A. G. Lewis. 1,819,406; Aug. 18.
Roll, Wringer. H. W. Thompson. 1,837,925; Dec. 22.
Rolled H-section. J. H. Edwards and R. A. Marble. 1,813,118; July 7.
Roller: *See*—

Awning roller.	Power roller.
Burr roller.	Presser roller.
Button breaker roller.	Printing roller.
Conveyer roller.	Road roller.
Curtain roller.	Self-adjusting roller.
Expansion roller.	Shade roller.
Feed roller.	Spring roller.
Flexible roller.	Stencil roller.
Folding roller.	Temperature controlled motor driven roller.
Guide roller.	Web guide roller.
Ink roller.	Window shade roller.
Inking roller.	Wire roller.
Land roller.	
Matrix roller.	

Roller. A. Dina. 1,802,708; Apr. 28.
Roller. W. W. Truxell. 1,796,673; Mar. 17.
Roller. R. R. Ware. 1,790,293; Jan. 27.
Roller and curtain bracket, Window shade. W. E. Souders. 1,825,101; Sept. 29.
Roller and fastener, Shade. S. Hartshorn. 1,798,259; Mar. 31.
Roller and key for printing presses. F. Ossing 1,803,069; Apr. 28.
Roller and ram lift riveter. J. C. Hanna. 1,799,229; Apr. 7.
Roller assembly. Lateral-motion. T. H. Symington. 1,801,121; Apr. 14.
Roller bearing free wheel, Antifriction. W. C. Klein. 1,802,259; Apr. 21.
Roller bit. G. E. Behnke. 1,810,120; June 16.
Roller bit. G. E. Behnke. 1,816,203; July 28.
Roller bit. C. H. M. Bull. 1,801,720; Apr. 21.
Roller bit. J. C. Stokes. 1,791,767; Feb. 10.
Roller blind and fittings therefor. W. J. Hadden. 1,788,021; Jan. 6.
Roller construction, Abrading. A. N. Emmons. 1,836,367; Dec. 15.
Roller cutter. W. L. Childs. 1,799,676; Apr. 7.
Roller cutter. W. L. Childs. 1,824,329; Sept. 22.
Roller device and track. C. G. Johnson. 1,820,459; Aug. 25.
Roller double contact mechanism. G. R. Townsend. 1,828,692; Oct. 20.
Roller explosion preventer. D. V. Hurtubise. 1,832,777; Nov. 17.
Roller folding machine for the manufacture of envelopes. A. Winkler and M. Dünnebier. 1,834,664; Dec. 1.
Roller for crushing clods. A. Nordström. 1,829,605; Oct. 27.
Roller for developing machines, Self aligning. G. J. Kohlmeier. 1,837,223; Dec. 22.
Roller for kiln barrels and the like, Supporting. J. E. Kennedy. 1,802,917; Apr. 28.
Roller leveler. F. A. Schmitz. 1,815,484; July 21.
Roller machine for the manufacture of envelopes. A. Winkler and M. Dünnebier. 1,836,145; Dec. 15.
Roller massage machine D. Gustaveson. 1,817,077; Aug. 4.
Roller mill. K. Wiemer. 1,831,696; Nov. 10.
Roller pin, Steering gear. F. F. Chandler. 1,828,594; Oct. 20.
Roller screen. B. Hansen. 1,832,387; Nov. 17.
Roller screen. C. E. Nicholson. 1,803,674; May 5.
Roller underreamer, Expanding. J. J. Santiago. 1,796,479; Mar. 17.
Rollers and the like, Construction for. W. E. Philips. 1,837,480; Dec. 22.
Rollers, Engraving printing. J. Dyer. 1,800,342; Apr. 14.
Rollers, Method and apparatus for lapping color film embossing. O. Wittel. 1,823,243; Sept. 15.
Rollers, Scarifying attachment for paving. H. W. Laster. 1,805,524; May 19.
Rolling. P. F. Longnecker. 1,826,622; Oct. 6.
Rolling colter. C. G. Strandlund. 1,821,774; Sept. 1.
Rolling, Method of. W. F. Detwiler. 1,797,053; Mar. 17.
Rolling mill. E. G. Budd. 1,829,126; Oct. 27.
Rolling mill. P. A. Foren. 1,796,447; Mar. 17.
Rolling mill. J. R. George. 1,832,113; Nov. 17.
Rolling mill. A. F. Jobke. 1,824,211; Sept. 22.
Rolling mill. W. R. Kneeland. 1,797,266; Mar. 24.
Rolling mill. F. Kocks. 1,830,278; Nov. 3.
Rolling mill. R. Kronenberg. 1,811,586; June 23.
Rolling mill. J. J. O'Brien. 1,815,578; July 21.
Rolling mill. B. R. Shover and F. P. Townsend. 1,821,483; Sept. 1.
Rolling mill. I. J. Simmons. 1,833,376; Nov. 24.
Rolling mill. J. De W. Tinsman. 1,787,558; Jan. 6.
Rolling mill. C. White. 1,813,129; July 7.
Rolling mill. S. F. Williams. 1,836,352; Dec. 15.
Rolling mill. F. J. Zielinski. 1,792,793; Feb. 17.
Rolling mill engine, Reversible. B. V. Nordberg. 1,811,020; June 23.
Rolling-mill, Tube finishing or straightening. H. Idel. 1,791,869; Feb. 10.
Rolling mill, Universal. A. T. Keller. 1,806,976; May 26.
Rolling mills, Bar stock feed for. J. W. Hughes. 1,812,004; June 30.
Rolling pin. G. Klempp. 1,810,050; June 16.
Rolling screen. A. F. Nye. 1,810,848; June 16.
Rolling stock, Coupling. A. W. Blair. 1,829,819; Nov. 2.
Rolls and making the same, Dented. J. W. B. Ladd. 1,812,655; June 30.
Rolls and the like, Producing balanced. H. Fankboner. 1,811,542; June 23.
Rolls, Apparatus for grinding. O. Waldrich. 1,808,392; June 2.
Rolls of material, Apparatus for rewinding. H. F. Gaylord. 1,815,250; July 21.
Rolls to shafts, Fastening. A. X. Kennedy. 1,803,193; Apr. 28.
Rolls with toothed wire, Apparatus for covering. J. A. Noonan. 1,809,144; June 9.
Röntgen apparatus. J. Hofmann. 1,833,078; Nov. 24.
Röntgen tube. E. Pohl. 1,790,073; Jan. 27.
Roof. D. Greenwald. 1,817,619; Aug. 4.
Roof accessory. H. C. Macan. 1,822,410; Sept. 8.
Roof and floor construction. E. C. Hoge. Re18,304; Dec. 29.
Roof and floor construction. E. C. Hoge. 1,814,387; July 14.
Roof and floor construction. H. W. Reel. 1,823,987; Sept. 22.
Roof and pillar construction for automobile bodies. F. J. Kubler. 1,805,461; May 12.
Roof and shingle securing means. C. C. Figge. 1,817,743; Aug. 4.
Roof and shingle therefor. C. C. Figge. 1,820,015; Aug. 25.
Roof and sign viewable from aircraft, Combined building. F. B. Barns. 1,796,233; Mar. 10.
Roof body for automobiles, Collapsible. C. E. E. Wolfermann. 1,816,924; Aug. 4.
Roof, Car. C. D. Bonsall. 1,793,046; Feb. 17.
Roof, Car. C. D. Bonsall. 1,813,558; July 7.
Roof, Car. C. D. Bonsall. 1,821,904; Sept. 1.
Roof, Car. C. D. Bonsall. 1,836,352; Dec. 15.
Roof, Car. V. E. Sisson. 1,800,363; Apr. 14.
Roof, Car. E. R. Swanson. 1,803,442; May 5.
Roof, Car. W. D. Thompson. 1,808,872; June 9.
Roof, Car. A. R. Wilson. 1,831,830; Nov. 17.
Roof-climbing device. E. E. Wineland. 1,789,798; Jan. 20.
Roof construction. A. B. Fosseen. 1,836,657; Dec. 15.
Roof construction. M. L. Houseman. 1,825,800; Oct. 6.
Roof construction. J. F. Lietz. Re17,957; Feb. 10.
Roof construction. C. A. Martin. 1,798,380; Mar. 31.
Roof construction. H. G. Muhr. 1,810,674; June 16.
Roof construction. O. A. Pedersen. 1,796,476; Mar. 17.
Roof construction. H. W. Reel. 1,817,900; Aug. 4.
Roof construction. C. J. Richards. 1,788,326; Jan. 6.

Roof construction, Car-. A. E. Small. 1,192,253; Feb. 10.
Roof construction, Railway-car. A. E. Small. 1,792,252; Feb. 10.
Roof covering. E. C. Miller. 1,829,488; Oct. 27.
Roof flange. S. and M. Goodman. 1,818,219; Aug. 11.
Roof flashing. W. P. Budd. 1,804,246; May 5.
Roof flashing. W. P. Budd. 1,804,315; May 5.
Roof, Floating. O. A. Bailey. 1,819,401; Aug. 18.
Roof framing tools. E. Luginbuhl. 1,821,103; Sept. 1.
Roof, Imitation shingle. W. C. Warren. 1,829,123; Oct. 27.
Roof joint. J. L. Schaller. 1,805,110; May 12.
Roof, Metal car. F. Ditchfield. 1,803,321; May 5.
Roof, Shingle. D. Finley. Des. 85,639; Dec. 1.
Roof structure. G. E. Livingston and W. H. C. Ness. 1,792,543; Feb. 17.
Roof sump. J. Schurman. 1,191,512; Feb. 10.
Roofing. H. D. Brown. Des. 83,718; Mar. 24.
Roofing. W. N. Cramer. 1,803,998; May 5.
Roofing. R. A. Eckberg. 1,822,134; Sept. 8.
Roofing. H. G., Goslin. 1,787,622; Jan. 6.
Roofing. R. MacLean. 1,810,005; Aug. 18.
Roofing and method of application, Built-up. W. J. Moeller and A. H. Zimmerman. 1,805,739; May 19.
Roofing and method of making same. L. Kirschbraun. 1,821,552; Sept. 1.
Roofing and weatherproofing material. A. C. Fischer. 1,810,880; June 16.
Roofing clip. G. A. Holman. 1,825,732; Oct. 6.
Roofing compound, Composite. G. A. Osterday. 1,796,474; Mar. 17.
Roofing element. A. C. Fischer. 1,824,471–2; Sept. 22.
Roofing element. F. C. Overbury. 1,834,966; Dec. 8.
Roofing element. T. Robinson. 1,807,435; May 26.
Roofing elements of assorted colors, Method of and machine for making. F. C. Overbury. 1,791,571; Feb. 10.
Roofing, Interlocking. H. R. French. 1,820,388; Aug. 25.
Roofing joint. G. G. Britton. 1,808,286; June 2.
Roofing, Laminated. F. C. Overbury. 1,788,121; Jan. 6.
Roofing manufacture. E. R. Low. 1,833,651; Nov. 24.
Roofing material. H. L. Levin. 1,789,443; Jan. 20.
Roofing material, Method and apparatus for making. C. E. Yates and H. C. Macan. 1,829,886; Nov. 3.
Roofing material, Method and apparatus for reclaiming waste. C. R. MacDonald. 1,831,779; Nov. 10.
Roofing material, Method of and apparatus for manufacturing. M. R. Becker. 1,834,998; Dec. 8.
Roofing material, Prepared. E. L. Chamberlain. 1,801,245; Apr. 14.
Roofing materials, Method and apparatus for making. D. A. Cumfer. 1,794,674; Mar. 3.
Roofing, Mechanism for making. R. T. Johnston. 1,816,329; July 28.
Roofing, Metal protected. W. M. Shakespeare. 1,819,270; Aug. 18.
Roofing, Method of and apparatus for producing. F. Jaeger. 1,834,950; Dec. 8.
Roofing, method of and apparatus for surfacing. F. H. Gilchrist. 1,834,917; Dec. 1.
Roofing or siding strip, Composition. S. H. Ralph. Des. 84,668; July 14.
Roofing, Prepared. G. D. Crabbs. 1,796,861; Mar. 17.
Roofing products, Making. T. Robinson. 1,818,009; Aug. 11.
Roofing, Roll. G. R. Stark. Des. 83,704; Mar. 17.
Roofing, saturated felts, and the like, Making. A. G. Leonard, jr. 1,827,026; Oct. 13.
Roofing sheet, Metal. G. B. De Gant. 1,833,456; Nov. 24.
Roofing, Shingle. J. W. Ledeboer. Des. 83,624; Mar. 10.
Roofs, Repairing furnace. J. P. McLimans. 1,824,222; Sept. 22.
Room, Collapsible portable dressing. J. C. Lesley 1,803,626; May 5.
Room, Down draft. L. D. Peik. 1,825,542; Sept. 29.
Room equipment, Toilet. R. E. Rhoads and P. D. Parsons. 1,813,198; July 7.
Room heater. C. M. Dibble. Des. 84,466; June 23.
Room heater, Electric. W. A. Barnes. Des. 85,854; Dec. 29.
Roost, Poultry. K. M. Jensen and C. B. Huschke. 1,806,352; May 19.
Roots, etc., in plowed ground, Apparatus for killing. H. N. Bingham. 1,835,629; Dec. 8.
Rope. H. G. Metcalf. 1,812,354; June 30.
Rope and cord tightening device. K. Heisser. 1,832,388; Nov. 17.
Rope cinch. C. Otte. 1,835,516; Dec. 8.
Rope connected with elevator car for orienting a floor controller relative to the car, Adjusting. M. Baruch, R. E. De Camp, and C. P. Walker. 1,796,281; Mar. 17.
Rope display stand. J. C. Young. 1,818,518; Aug. 11.
Rope, Jumping. W. F. Goff. 1,817,616; Aug. 4.
Rope-making machine. C. C. Sunderland. 1,788,641; Jan. 13.
Rope of tow-nets, Device for preventing the sinking and sticking of the ground. D. de Niet. 1,823,593; Sept. 15.
Rope structure. H. S. Mears. 1,803,912; May 5.
Rope winder, Winch. T. C. Smith, J. B. Spowart and P. G. Fitzpatrick. 1,820,094; Aug. 25.
Rope-winding device. L. E. Mitchell. 1,797,477; Mar. 24.
Rope, Wire. R. C. G. Jenkin. 1,822,219; Sept. 8.
Rope, Wire. F. W. Reilly. 1,811,697; June 23.
Ropes and other articles of magnetizable material, Electromagnetic testing of steel wire. T. F. Wall. 1,823,810; Sept. 15.
Ropes, Identifying means for. J. A. Palmer. 1,807,131; May 26.
Ropes, Reducing the extension of wire. G. Zapf. 1,822,189; Sept. 8.
Rose. V. Groshens. Plant Pat. 5; Nov. 10.
Rose. F. Spanbauer. Pl. Pat. No. 2; Oct. 13.
Rose, Climbing or trailing. H. F. Bosenberg. Plant Pat. 1; Aug. 18.
Rosin and product thereof, Treatment of. W. B. Logan. 1,807,483; May 26.
Rosin, Producing high grade. I. W. Humphrey. 1,806,973; May 26.
Rosin, Purifying. D. C. Butts. 1,820,298; Aug. 25.
Rosin, Purifying. R. C. Palmer, J. L. Burda and A. F. Oliver. 1,807,599; June 2.
Rosin, Purifying and decolorizing. R. C. Palmer. 1,810,222; June 16.
Rosin, Refining. I. W. Humphrey. 1,800,834; Apr. 14.
Rosin, Refining. A. Langmeier. 1,835,063; Dec. 8.
Rosin, Treating. D. C. Butts. 1,791,658; Feb. 10.
Rosins, Purifying and decolorizing. R. C. Palmer. 1,791,633; Feb. 10.
Rosins with resorcinol, Purifying and decolorizing. L. Gubelmann and C. O. Henke. 1,810,170; June 16.
Rotarian. N. W., P., and G. E. Graves. 1,814,213; July 14.
Rotaries, Double-tapered slip for. L. J. Black. 1,794,273; Feb. 24.
Rotary action bit. E. L. Boynton. 1,810,391; June 16.
Rotary and casing hook. N. K. Smith. 1,825,018; Sept. 29.
Rotary cap having sealing material flowed thereinto. C. Hammer. 1,805,623; May 19.
Rotary cloth press. A. H. Schumacher. 1,825,757; Oct. 6.
Rotary cleaner. J. Moschetto. 1,821,394; Sept. 1.
Rotary crusher. J. L. Schultz. 1,798,000; Mar. 24.
Rotary cutter. N. L. Gulliford. 1,801,738; Apr. 21.
Rotary cutter. M. M. Tison. 1,794,261; Feb. 24.
Rotary drier. G. M. Bechtel. 1,808,626; June 2.
Rotary drier. W. A. Harty and F. W. Moore. 1,796,651; Mar. 17.
Rotary drier. W. A. Harty and F. W. Moore. 1,810,476; June 16.
Rotary drill bit. C. A. Dean. 1,814,296; July 14.
Rotary drill, Multiple stage. W. B. Reed and W. Hepler. 1,819,303; Aug. 18.
Rotary drill, Steam actuated automatic. P. Jones. 1,810,247; June 16.
Rotary drilling jar. G. S. Knox. 1,801,673; Apr. 21.
Rotary engine. C. W. Carlton. 1,819,867; Aug. 18.
Rotary engine. C. W. Hicks. 1,821,513; Sept. 1.
Rotary engine. J. Kuhajda. 1,807,414; May 26.
Rotary engine. W. Kühn. 1,825,741; Oct. 6.
Rotary engine. N. D. Levin. 1,805,875; May 19.
Rotary engine. G. A. Luther. 1,809,051; June 9.
Rotary engine. A. Marcum. 1,817,492; Aug. 4.
Rotary engine. C. McQuown. 1,819,718; Aug. 18.
Rotary engine. H. F. Molkenbur. 1,811,729; June 23.
Rotary engine. O. Ogren. 1,820,859; Aug. 25.
Rotary engine. G. Plato. 1,799,527; Apr. 7.
Rotary engine. S. M. Price. 1,813,763; July 7.
Rotary engine. F. Stone. 1,828,207; Oct. 20.
Rotary engine. F. E. Tidd. 1,808,084; June 2.
Rotary engine. S. S. Videtto. 1,827,408; Oct. 13.
Rotary engine. F. E. Welch. 1,790,561; Jan. 27.
Rotary engine. L. M. Wolf. 1,832,679; Nov. 17.
Rotary engine, Internal combustion. A. Demuynck. 1,818,882; Aug. 11.
Rotary extractor. O. H. Wurster and A. M. Smith. 1,807,232; May 26.
Rotary furnace. F. Bartling. 1,798,649; Mar. 31.
Rotary furnace. H. D. Newkirk. 1,809,563; June 9.
Rotary machine. P. B. Renfrew. 1,795,040; Mar. 3.
Rotary machine. I. H. Wilsey. 1,793,577; Feb. 24.
Rotary machine, Continuous. A. L. De Leeuw. 1,822,690; Sept. 8.
Rotary machine, Fluid pressure operated continuous. 1,822,691; Sept. 8.
Rotary machine for manufacturing glass, hollow ware and other molded articles of glass. A. F. McNish. 1,825,082; Sept. 29.
Rotary machine for well drilling. E. Timbs. 1,821,366; Sept. 1.
Rotary mechanism for the transmission of power at varying speeds. W. Hunt. 1,822,776; Sept. 8.
Rotary motor. H. H. Hammerstrom. 1,817,370; Aug. 4.
Rotary pulp screen. J. A. Wiener. 1,821,684; Sept. 1.
Rotary screen. H. W. Weimer. 1,819,049; Aug. 18.
Rotary separator. W. A. Smith. 1,788,851; Jan. 13.
Rotary sprinkler, Intermittent-motion. A. E. Harris. 1,832,205; Nov. 17.
Rotary sprinkler, Periodic jet. T. Oehler. 1,811,591; June 23.
Rotary sprinkler, Slow motion. W. A. Buckner. 1,815,895; July 21.
Rotary sprinkler, Slow motion. W. A. Buckner. 1,815,880; July 21.
Rotary switch. E. Ratner. 1,835,614; Dec. 8.
Rotary table. H. W. Goetz, R. C. Clark, and J. J. Ferlin. 1,807,286; May 26.

Rotary valve furnace. W. E. Sanders. 1,809,727; June 9.
Rotatable furnace. R. C. Benner, G. J. Easter, and C. E. Hawke. 1,827,833; Oct. 20.
Rotating Articles, Apparatus for. G. L. Rock. 1,813,958; July 14.
Rotating means. P. J. Cannon 1,828,593; Oct. 20.
Rotifer stabilizing wing. O. F. Bowers. 1,796,860; Mar. 17.
Rotisserie. O. J. Guffey. 1,838,545; Dec. 29.
Rotor. C. B. Coates. 1,819,228; Aug. 18.
Rotor. J. D. Haynsworth. 1,827,316; Oct. 13.
Rotor. R. A. L. Volet. 1,803,493; May 5.
Rotor for aeroplanes and helicopters, Adjustable. F. Wander, jr. 1,810,584; June 16.
Rotor for asynchronous alternating current motor. H. Papst. 1,810,056; June 16.
Rotor for disintegrating machines. B. Cunniff and N. Lee. 1,801,849; Apr. 21.
Rotor for dynamo electric machines. E. Fischer. 1,834,774; Dec. 1.
Rotor for dynamo electric machines. H. S. Page. 1,808,568; June 2.
Rotor for dynamo electric machines. H. G. Reist. 1,808,572; June 2.
Rotor, Large, high speed R. A. Baudry. 1,817,054; Aug. 4.
Rotor mold. C. E. Johnson. 1,793,855; Feb. 24.
Rotor propelled apparatus. P. E. Klopsteg. 1,824,487; Sept. 22.
Rotors, Making internal. M. F. Hill. 1,833,993; Dec. 1.
Roulette wheel. E. L. Wright. 1,824,647; Sept. 22.
Roundabout. H. H. Grubb. 1,812,946; July 7.
Roundabout. C. L. Keddy. 1,800,836; Apr. 14.
Round straightener. G. A. Wise. 1,805,302; May 12.
Router and shaper, Combined. R. L. Carter. 1,829,393; Oct. 27.
Router cutter. E. O. Wedhorn. 1,789,793; Jan. 20.
Rowing device. F. Zoglauer. 1,805,749; May 19.
Rubber accelerator and using the same. C. J. Romieux and L. J. Christmann. 1,819,792; Aug. 18.
Rubber, Age-resisting vulcanized. W. Scott. 1,792,042; Feb. 10.
Rubber, Age resistor for. W. D. Wolfe. 1,788,903; Jan. 13.
Rubber and fabric from tire beads, Method and machine for reclaiming. M. E. Davis. 1,805,688; May 19.
Rubber and making same, Articles of. H. Gray. 1,801,667; Apr. 21.
Rubber and producing same, Vulcanization of. L. B. Sebrell and D. N. Shaw. 1,792,770; Feb. 17.
Rubber and product obtained thereby, Treating. S. M. Cadwell and L. Meuser. 1,798,133; Mar. 31.
Rubber and product of same, Reclaiming waste. W. B. Pratt. 1,826,091; Oct. 6.
Rubber and products obtained thereby, Treating. S. M. Cadwell. 1,801,764–5; Apr. 21.
Rubber and products obtained thereby, Treating. S. M. Cadwell and L. Meuser. 1,802,752; Apr. 28.
Rubber and products obtained thereby, Treating. W. A. Gibbons. 1,802,761; Apr. 28.
Rubber antioxidant. W. S. Calcott and W. A. Douglass. 1,796,980; Mar. 17.
Rubber article. O. Krichbaum. 1,793,703; Feb. 24.
Rubber article and making same. J. W. Schade and H. L. Trumbull. 1,834,974; Dec. 8.
Rubber article and making the same, Ornamented. G. Thorne. 1,832,514; Nov. 17.
Rubber articles, Apparatus for forming. W. A. Gibbons and E. Hazell. 1,832,012; Nov. 17.
Rubber articles, Apparatus for manufacturing. A. W. Keen. 1,791,060; Feb. 3.
Rubber articles, Apparatus for manufacturing. A. W. Keen. 1,833,024; Nov. 24.
Rubber articles, Apparatus for molding. H. Willshaw and S. N. Goodhall. 1,795,917; Mar. 10.
Rubber articles by deposition, Making. P. H. Watkins and A. W. Holmberg. 1,828,990; Oct. 27.
Rubber articles from latex, Manufacture of. T. G. Levi. 1,811,695; June 23.
Rubber articles, Manufacturing. E. W. Dunbar. 1,813,235; July 7.
Rubber articles, Manufacturing. E. B. Newton. 1,797,240; Mar. 24.
Rubber articles, Superficially finishing. S. D. Shinkle. 1,828,985; Oct. 27.
Rubber articles, Vulcanizing. M. A. Marquette. 1,790,011; Jan. 27.
Rubber, Artificial. E. Tschunkur and W. Bock. 1,826,846; Oct. 13.
Rubber ball. M. J. De France. 1,792,362; Feb. 10.
Rubber ball. I. Dorogi and L. Dorogi. 1,820,124; Aug. 25.
Rubber bodies and producing the same, Hollow inflatable sheet. L. Dorogi and I. Dorogi. 1,816,472; July 28.
Rubber body, Inflatable hollow. I. and L. Dorogi. 1,825,308; Sept. 29.
Rubber body, Inflatable hollow. L. E. Williams and G. E. James. 1,833,478; Nov. 24.
Rubber, Breaking down. C. E. Maynard. 1,802,119; Apr. 21.
Rubber coated article and making same. B. Dales. 1,813,440; July 7.
Rubber-coated fabric. J. R. Couture. 1,795,199; Mar. 3.
Rubber, Coloring. H. Tochtermann. 1,823,921; Sept. 22.
Rubber composition. A. R. Kemp. 1,829,992; Nov. 3.
Rubber composition, Age resisting vulcanized. H. G. Byers. 1,806,040; May 19.
Rubber composition and preserving rubber. M. C. Reed. 1,793,635; Feb. 24.
Rubber composition and preserving rubber. M. C. Reed. 1,797,241; Mar. 24.
Rubber composition and preserving rubber. M. C. Reed. 1,815,072; July 21.
Rubber composition and preserving rubber. W. L. Semon. 1,808,578; June 2.
Rubber composition and process of making. E. B. Spear and R. L. Moore. 1,794,558; Mar. 3.
Rubber compositions, Bituminous. J. N. Byrd. 1,831,226; Nov. 10.
Rubber compositions, Manufacture of. W. Feldenheimer. 1,805,517; May 19.
Rubber compositions, Manufacture of. L. B. Sebrell. 1,797,179; Mar. 17.
Rubber compound, Age resisting vulcanized. J. R. Ingram. 1,816,851; Aug. 4.
Rubber compound and making the same. F. O. Woodruff. 1,835,365; Dec. 8.
Rubber compound and preserving it. A. M. Clifford. 1,823,531; Sept. 15.
Rubber, Compounding. W. S. Calcott and W. A. Douglass. 1,830,749; Nov. 10.
Rubber, Compounding. A. M. Kinney. 1,815,778; July 21.
Rubber, Compounding and vulcanizing. W. A. Steinle. 1,802,740; Apr. 28.
Rubber compounding, Product and process for. A. B. Cowdery and T. A. Bulifant. 1,793,161; Feb. 17.
Rubber compounds and articles. C. R. Boggs and J. T. Blake. 1,804,199; May 5.
Rubber compounds, Treating. P. A. Davis. 1,823,855; Sept. 15.
Rubber-conversion product and producing same. H. A. Bruson. 1,797,188; Mar. 17.
Rubber cords and cables, Process and apparatus for marking. G. J. Crowdes. 1,812,686; June 30.
Rubber-cutting machine. L. H. Messinger. 1,823,501; Sept. 15.
Rubber, Decorating. B. S. Taylor. 1,825,252; Sept. 29.
Rubber deposits from rubber latex, Production of homogeneous. F. Gábor and P. Klein. 1,815,057; July 21.
Rubber, Deterioration inhibitor for. A. M. Clifford. 1,813,609; July 7.
Rubber, Device for testing hardness of. H. D. Geyer and E. J. Dill. 1,839,093; Dec. 29.
Rubber dispersion and making, Aqueous. R. A. Crawford. 1,806,388; May 19.
Rubber dispersion and making same. W. L. Semon and R. A. Crawford. 1,797,243; Mar. 24.
Rubber dispersions and product of same, Treatment of aqueous. R. B. Hill. 7,836,595; Dec. 15.
Rubber, Electrodeposition of. W. A. Williams. 1,838,241; Dec. 29.
Rubber, Embossing. R. G. Anderson. 1,807,024; May 26.
Rubber emulsions and making the same. W. B. Wescott. 1,816,242; July 28.
Rubber formers, Valved inflatable. J. R. Crossan, and J. E. Mackel. 1,818,536; Aug. 11.
Rubber goods directly from latex, Production of. P. Klein and A. Szegvari. 1,825,736; Oct. 6.
Rubber goods, Making dipped. I. W. Robertson. 1,792,187; Feb. 10.
Rubber goods, Manufacture of. U. Pestalozza. 1,792,702; Feb. 17.
Rubber goods, Manufacturing. E. W. Stacey. 1,838,792; Dec. 29.
Rubber, gutta percha and balata, Production of highly viscous aqueous dispersions of. M. Forrer. 1,825,515; Sept. 29.
Rubber having air cells, Apparatus for producing. S. Battilani. 1,818,372; Aug. 11.
Rubber, Improved process for manufacturing transparent vulcanized. D. F. Twiss and E. A. Murphy. 1,797,250; Mar. 24.
Rubber in screw-type extruding machines, Preventing overheating of. R. B. Day. 1,800,180; Apr. 7.
Rubber into paper pulp to produce paper products, Incorporating emulsified. J. A. De Cew. 1,799,217; Apr. 7.
Rubber latex and product of same, Treatment of. R. B. Hill. 1,837,162; Dec. 15.
Rubber latex and product, Treating. W. A. Gibbons. 1,834,148; Dec. 1.
Rubber-latex preparation and manufacture of goods therefrom. R. A. Dunham. 1,826,392; Oct. 6.
Rubber latex, Separating. H. O. Lingren. 1,831,500; Nov. 10.
Rubber-like product and making same. W. S. Calcott, F. B. Downing, and D. H. Powers. 1,829,502; Oct. 27.
Rubber, Manufacture of. T. Midgley, jr., C. A. Thomas, and C. A. Hochwalt. 1,806,547; May 19.
Rubber, Manufacturing sponge. P. H. Richert. 1,823,335; Sept. 15.
Rubber mill. W. H. Lockert and P. E. Welton. 1,812,528; June 30.
Rubber or like article. J. J. Conway. Des. 84,326; June 9.
Rubber or like coverings on hollow articles, Method of and apparatus for the vulcanization of. C. H. Gray. 1,792,298; Feb. 10.

Rubber process and product. E. E. Ayres, jr. 1,789,062; Jan. 13.
Rubber product and making same. J. W. Schade and H. L. Trumbull. 1,834,973; Dec. 8.
Rubber product and manufacturing same, Age resisting vulcanized. R. L. Sibley. 1,836,940; Dec. 15.
Rubber product and preparing the same. E. R. Bridgwater. 1,822,561; Sept. 8.
Rubber product and production thereof. F. C. Dyche-Teague. 1,826,275; Oct. 6.
Rubber, Production of. H. Tochtermann and C. Heuck. 1,814,420; July 14.
Rubber, Production of vulcanized colored. R. Krech. 1,796,656; Mar. 17.
Rubber products, Apparatus for manufacturing. W. J. Peelle. 1,825,282; Sept. 29.
Rubber protection. C. E. Bradley and C. D. Mason. 1,832,964; Nov. 24.
Rubber, Reclaiming vulcanized. M. Omansky. 1,807,930; June 2.
Rubber, Retarding deterioration of. W. S. Calcott and W. A. Douglass. 1,789,696; Jan. 20.
Rubber sheeting or like article. W. W. De Laney. Des. 84,328; June 9.
Rubber solutions, Making clear chlorinated. M. Boehmer. 1,807,616; June 2.
Rubber stock, Treatment of. H. L. Moran. 1,790,875; Feb. 3.
Rubber stripping for doors or windows. F. C. Palenske and W. A. Robbins. 1,804,799; May 12.
Rubber substitute, Making. D. Falls. 1,833,941; Dec. 1.
Rubber surfaces. Treating unvulcanized. W. A. Gibbons. 1,817,363; Aug. 4.
Rubber tire wheel. W. S. Finnell. 1,814,623; July 14.
Rubber, Treating. W. S. Calcott and W. A. Douglass. 1,790,794; Feb. 3.
Rubber treating method and product. C. E. Bradley. 1,805,713; May 19.
Rubber treating process and product. C. E. Bradley and C. Ferrettie. 1,805,712; May 19.
Rubber treatment. L. H. Howland. 1,835,050; Dec. 8.
Rubber, Treatment of. S. M. Cadwell and S. I. Strickhouser. 1,838,034; Dec. 22.
Rubber, Treatment of. L. H. Howland. 1,833,021; Nov. 24.
Rubber, Treatment of. W. P. ter Horst. 1,807,355; May 26.
Rubber, Treatment of. W. P. ter Horst. 1,822,548; Sept. 8.
Rubber tube. E. Hopkinson and W. A. Gibbons. 1,808,226; June 2.
Rubber tube and method of and apparatus for making the same. C. E. Maynard. 1,802,120; Apr. 21.
Rubber tubes, Apparatus for removing trimmed waste from. P. W. Lehman. 1,807,664; June 2.
Rubber tubes, Device for cutting. G. J. Mead. 1,813,246; July 7.
Rubber vulcanization. C. O. North. 1,838,862; Dec. 29.
Rubber vulcanization. W. Scott. 1,838,159; Dec. 29.
Rubber, Vulcanization of. B. W. Nordlander. 1,827,604; Oct. 13.
Rubber, Vulcanization of. W. Scott. 1,825,288; Sept. 29.
Rubber, Vulcanization of. A. A. Somerville. 1,791,876; Feb. 10.
Rubber, Vulcanizing. G. H. Stevens. 1,831,932; Nov. 17.
Rubber with mud guard device. W. D. Smith. 1,820,095; Aug. 25.
Rubberless elastic fabric. H. P. Dworsky and O. S. Lawton. 1,823,034; Sept. 15.
Rubbing and grinding machine. H. G. Barrett. 1,825,299; Sept. 29.
Rubbing machine. H. G. Bartling. 1,797,040; Mar. 17.
Rubbing machine. H. G. Bartling. 1,799,808; Apr. 7.
Rubbing or sanding pad. F. E. Newcomb. 1,809,907; June 16.
Rudder. G. E. Corcoran. 1,800,135; Apr. 7.
Rudder. E. Van Note. 1,823,433; Sept. 15.
Rudder and brake for airplanes. M. L. Cozart. 1,802,238; Apr. 21.
Rudder arrangement for ships. O. Schultz. 1,809,184; June 9.
Rudder for ships, Hollow. M. Oertz. 1,834,003; Dec. 1.
Rudder, Stabilizing. F. Rebl. 1,795,346; Mar. 10.
Ruffler, Sewing-machine. H. A. Maashoff and W. C. Greist and A. J. Carmichael. 1,787,692; Jan. 6.
Ruffling mechanism for sewing machines. A. B. Clayton. 1,815,881; July 21.
Rug. G. M. Fauser. Des. 83,519–27; Mar. 3.
Rug. O. W. Fauser. Des. 83,528; Mar. 3.
Rug. J. C. Smiley. Des. 84,615; July 7.
Rug and making the same. W. Schmiedel. 1,798,277; Mar. 31.
Rug and other patterns on felt base fabrics, Producing. J. B. Campbell. 1,824,758; Sept. 29.
Rug cleaning composition. J. B. McComb. 1,837,976; Dec. 22.
Rug frame. L. N. Haley. 1,793,364; Feb. 17.
Rug or similar article. H. Cowan. Des. 83,847; Apr. 7.
Rug rolling machine. P. J. Shampay. 1,815,338; July 21.
Rug, tag-pin. J. S. Launderville. 1,822,494; Sept. 8.
Rug tufting machine. H. Dykeman. 1,831,485; Nov. 10.
Rugs, carpets, or like pile fabrics, Manufacture of. H. Smalley and G. Haworth. 1,788,340; Jan. 6.
Rugs, Making. J. B. and G. Robertson. 1,815,586; July 21.
Rule and compass, Combination. A. A. Fischer. 1,825,266; Sept. 29.
Rule and compass, Combination. H. B. Magers. 1,826,081; Oct. 6.
Rule, Automatic unwinding. M. Eisenstein. 1,804,975; May 12.
Rule, Foldable. A. A. Gabrielson. 1,827,686; Oct. 13.
Rule, Foldable. E. Kwartz. 1,804,789; May 12.
Rule, Resilient. H. A. Farrand. 1,828,401; Oct. 20.
Rule, Simplified. L. Robidoux. 1,816,548; July 28.
Rule, Slide. J. Asper. 1,790,569; Jan. 27.
Rule, Slide. N. Shifner. 1,834,745; Dec. 1.
Rule, Typist's. R. O. Dent. 1,791,124; Feb. 3.
Ruler, Roller. J. W. Phillips. 1,792,393; Feb. 10.
Ruler, Rolling parallel. G. Gianolio. 1,825,902; Oct. 6.
Ruling apparatus. B. J. Howard. 1,832,124; Nov. 17.
Ruling device. H. A. P. Röttke. 1,808,257; June 2.
Ruling machine. H. E. Lindbladh. 1,813,940; July 14.
Rules, Controlling resilient. H. A. Farrand. 1,799,044; Mar. 31.
Rules, Controlling resilient. H. A. Farrand. 1,799,094; Mar. 31.
Runner and wheel assembly. B. F. Arps. 1,800,812; Apr. 14.
Runner block and mounting means therefor. J. R. Osborn. 1,805,254; May 12.
Running board assembly. I. Ornberg. 1,825,012; Sept. 29.
Running board construction. J. J. Punke. 1,820,324; Aug. 25.
Running board for cars. J. C. Abel. 1,827,450; Oct. 13.
Running board for railway cars. J. R. Jones. 1,831,810; Nov. 17.
Running-board light. B. J. Koshiol. 1,800,083; Apr. 7.
Running board light, Automobile. E. B. Healey. 1,830,899–900; Nov. 10.
Running-board mat. R. K. Lee. Des. 83,454; Feb. 24.
Running board mat. C. W. Leguillon. Des. 85,482–3; Nov. 3.
Running board rack, Expanding. R. A. Schwartz. 1,831,266; Nov. 10.
Runway jack. L. I. Swayne. 1,822,325; Sept. 8.
Runway, Mobile. C. H. Heldenbrand. 1,837,866; Dec. 22.
Runway or automobile wheel elevator. L. Vehon. 1,791,986; Feb. 10.
Rustproofing solution, Method and apparatus for introducing. R. M. Palmer. 1,832,047; Nov. 17.
Saccharine fluids, Treating. L. Wickenden and J. J. Naugle. 1,787,502; Jan. 6.
Sachet, Hair-waving. W. S. Watts. 1,788,217; Jan. 6.
Sack. F. H. Gregory. 1,808,034; June 2.
Sack-filling rack. C. A. Hester. 1,796,288; Mar. 17.
Sack severing device. J. E. Trouth. 1,824,937; Sept. 29.
Sacks, tent cloth and the like, Chemically impregnating jute. A. Borrmann. 1,819,070; Aug. 18.
Saddle. A. J. Linder. 1,837,781; Dec. 22.
Saddle. F. Mesinger. 1,813,672; July 7.
Saddle, Leveling. F. K. Hays. 1,802,015; Apr. 21.
Saddle rack. T. F. Hammer. Des. 85,332; Oct. 13.
Saddle, Top roll. E. Dixon. 1,831,231; Nov. 10.
Sadiron. J. M. Baker. 1,794,355; Mar. 3.
Sadiron. W. W. Everts. 1,804,827; May 12.
Sadiron. A. A. Gratz and E. J. Ajex. Des. 83,800; Mar. 31.
Sadiron. A. O. Samuels and M. L. Warner. 1,834,971; Dec. 8.
Sadiron. R. E. Sayles. 1,793,750; Feb. 24.
Sadiron and steamer, Combination. N. M. Homer. 1,831,742; Nov. 10.
Sadiron. Automatic switch electric. A. Petticore. 1,825,919; Oct. 6.
Sadiron handle. M. A. Rollman. 1,817,583; Aug. 4.
Sadiron, Steaming. R. E. Sayles. 1,789,478; Jan. 20.
Safe. F. J. Bergs. 1,829,333; Oct. 27.
Safe. H. B. Chamberlain. 1,805,759; May 19.
Safe. R. A. and J. F. Cramer. 1,802,375; Apr. 28.
Safe. B. T. Gialdini. 1,826,768; Oct. 13.
Safe and vault member and construction. H. L. Coles. 1,815,187; July 21.
Safe, Bank vault. W. J. H. Ruschmeyer. 1,815,281; July 21.
Safe, Card posting. G. C. Brainard. 1,811,421; June 23.
Safe construction. A. L. Smith. 1,812,991; July 7.
Safe depository, Night. H. J. Robinson. 1,824,502; Sept. 22.
Safe double-wall structure. C. F. Meilink. 1,796,385; Mar. 17.
Safe-protection installation. J. C. Miller, jr. 1,788,119; Jan. 6.
Safe structure. C. F. Sioberg. 1,838,581; Dec. 29.
Safe, Tabernacle. B. A. Benziger. 1,829,256; Oct. 27.
Safe, Wall. J. Rauwald. 1,836,814; Dec. 15.
Safety and stopping arrangement for intermittently-operating apparatus. C. Miedbrodt. 1,799,113; Mar. 31.
Safety apparatus. F. N. Whitesell. 1,808,275; June 2.
Safety apparatus for gas-lighting and gas-heating appliances, Automatic. S. Mendel. 1,838,185; Dec. 29.
Safe, Temporary. H. M. Sunnes. 1,837,501; Dec. 22.
Safety apparatus for protection and defense against burglary and violation of habitations. F. A. Duquesne. 1,806,242; May 19.
Safety appliance. J. Krell. 1,812,245; June 30.

Safety appliance for airplanes. E. M. Blacksher. 1,789,033; Jan. 13.
Safety appliance for airplanes. T. B. Lyles. 1,806,403; May 19.
Safety appliance for push-button stations. H. E. Edhlund. 1,801,228; Apr. 14.
Safety attachment for aeroplanes. J. F. O'Malley. 1,829,607; Oct. 27.
Safety attachment for aircraft. L. Friedrich. 1,823,799; Sept. 15.
Safety attachment for moving picture machines. M. J. Peck. 1,834,106; Dec. 1.
Safety attachment for punch presses. W. G. Lang. 1,833,840; Nov. 24.
Safety bank booth structure. W. S. Kronawert. 1,836,670; Dec. 15.
Safety brake. A. H. Wilson. 1,816,884; Aug. 4.
Safety brake, Mechanically operated. H. Faehrmann. 1,808,645; June 2.
Safety burner. J. H. Grayson. 1,813,048; July 7.
Safety control for conveyors, Automobile. P. Olson. Re18,262; Nov. 24.
Safety control for extractor covers and the like. T. S. Watson. 1,837,244; Dec. 22.
Safety cracker. H. S. Barnes. 1,809,825; June 16.
Safety crossing, Railroad. W. H. Condon. 1,818,534; Aug. 11.
Safety deposit box. C. G. Halstead. 1,817,002; Aug. 4.
Safety device. B. Berger. 1,832,444; Nov. 17.
Safety device. W. E. Brindley. 1,827,779; Oct. 20.
Safety device. M. P. Burrows. 1,818,300; Aug. 11.
Safety device. J. J. Ehemann, sr., and B. F. Singer. 1,798,318; Mar. 31.
Safety device. J. J. Ehemann and B. F. Singer. 1,807,690; June 2.
Safety device. J. J. Ehemann, sr., and B. F. Singer. 1,829,478; Oct. 27.
Safety device. A. E. Finley. 1,789,622; Jan. 20.
Safety device. R. E. Fowler. 1,836,462; Dec. 15.
Safety device. G. Frank. 1,797,083; Mar. 17.
Safety device. L. H. Gump. 1,808,652; June 2.
Safety device. N. Leinau. 1,832,712; Nov. 17.
Safety device. F. Moscato. 1,814,950; July 14.
Safety device. C. Muehleisen. 1,789,110; Jan. 13.
Safety device. C. E. E. Van Allen. 1,821,334; Sept. 1.
Safety device. E. J. von Henke. 1,828,723; Oct. 20.
Safety device, Brake beam. P. J. McCullough. 1,806,635; May 26.
Safety device for aeroplanes. N. Dibril. 1,804,156; May 5.
Safety device for aeroplanes. P. Eller. 1,791,024; Feb. 3.
Safety device for aeroplanes. L. S. Jerome. 1,834,623; Dec. 1.
Safety device for aeroplanes. L. M. Miyasaki. 1,814,325; July 14.
Safety device for aeroplanes. F. R. Owens. 1,823,758; Sept. 15.
Safety device for airplanes. E. G. Vanderlip. 1,832,159; Nov. 17.
Safety device for automobile steering gears. E. W. Cadnum. 1,833,932; Dec. 1.
Safety device for automobiles. H. Gildner. 1,815,294; July 21.
Safety device for automobiles. J. H. Westlund. 1,811,484; June 23.
Safety device for automobiles and the like. A. A. Johnson. 1,811,635; June 23.
Safety device for boats. J. Chison. 1,809,675; June 9.
Safety device for bottle cap crimping machines. F. E. Youngdahl. 1,805,680; May 19.
Safety device for burners. J. W. Moomau. 1,788,063; Jan. 6.
Safety device for centrifugal driers. F. W. Juengst and O. M. Anderson. 1,828,227; Oct. 20.
Safety device for containers holding liquids which develop explosive gases. L. Glück. 1,816,323; July 28.
Safety device for electrical apparatus. C. B. Broestrup. 1,822,919; Sept. 15.
Safety device for elevator doors. H. W. Shonnard. 1,790,027; Jan. 27.
Safety device for elevators. A. T. Brown. 1,838,524; Dec. 29.
Safety device for elevators. J. Dunlop. 1,819,502; Aug. 18.
Safety device for elevators. G. A. Halfvarson. 1,825,269; Sept. 29.
Safety device for emergency brakes. W. J. Obidine. 1,827,256; Oct. 13.
Safety device for firearms. J. Nickl. 1,818,086; Aug. 11.
Safety device for firearms. L. R. Stuyvesant. 1,812,905; July 7.
Safety device for fire escape. N. Chinich. 1,819,073; Aug. 18.
Safety device for gas burners and the like. G. Thomas. 1,824,696; Sept. 22.
Safety device for gas stoves and ranges. J. Teller. 1,825,373; Sept. 29.
Safety device for grinding machines. H. E. Balsiger. 1,826,445; Oct. 6.
Safety device for hoist brakes. M. Smith-Peterson. 1,818,007; Aug. 11.
Safety device for hydraulic presses. F. C. Wilson. 1,809,615; June 9.
Safety device for locomotive boosters. LeR. R. Linn and C. N. Remfry. 1,804,881; May 12.
Safety device for locomotives or railway motor vehicles. J. T. Buijgers. 1,833,516; Nov. 24.
Safety device for mine buckets. T. Fisher. 1,829,587; Oct. 27.
Safety device for motion picture projecting machines. J. F. Adams. 1,809,815; June 16.
Safety device for motion picture projecting machines. J. F. Adams and T. T. Allen. 1,817,661; Aug. 4.
Safety device for motor vehicles. H. K. Blanning. 1,818,938; Aug. 11.
Safety device for multiple control mechanism. H. A. W. Petersen. 1,817,204; Aug. 4.
Safety device for power operated switches. S. G. Johnson. 1,824,741; Sept. 22.
Safety device for power presses and the like, Hydraulic. H. Pels. 1,808,606; June 2.
Safety device for punch presses or the like. A. R. Homer. 1,800,528; Apr. 14.
Safety device for railroad operation. F. Schroeter and F. Michelssen. 1,791,938; Feb. 10.
Safety device for ranges. B. Victor and R. E. Abramson. 1,824,312; Sept. 22.
Safety device for rotating shafts and load indicators. J. Bricken. 1,789,862; Jan. 20.
Safety device for ships. G. Kelemen. 1,810,564; June 16.
Safety device for shuttle changing apparatus for use in automatic looms. K. Toyoda. 1,802,162; Apr. 21
Safety device for stoves. W. Ellman. 1,807,310; May 26.
Safety device for street cars. F. Bellamy. 1,813,139; July 7.
Safety device for use on a dough rolling machine commonly known to the baking industry as a dough brake. J. C. Barefoot. 1,804,853; May 12.
Safety device, Inflatable. P. Markus. 1,798,430; Mar. 31.
Safety device operating mechanism. T. T. Allen and J. F. Adams. 1,803,087; Apr. 28.
Safety device, Pressure. O. Georg. 1,802,247; Apr. 21.
Safety device, Railroad collision. A. F. Melcsok. 1,830,670; Nov. 3.
Safety dimmer. H. A. W. Joslyn. 1,837,269; Dec. 22.
Safety driving connection. J. P. Martin. 1,795,258; Mar. 3.
Safety drop device for aviators' use. H. W. Williams. 1,799,664; Apr. 7.
Safety fire balcony exit. E. Bocchino. 1,826,448; Oct. 6.
Safety gate. J. J. Keenan. 1,832,812; Nov. 17.
Safety guard, Highway. J. B. Burns. 1,795,247; Mar. 3.
Safety hook. W. G. Jensen and K. R. Jensen. 1,794,694; Mar. 3.
Safety hook. E. S. Mix. 1,826,564; Oct. 6.
Safety hook-off. R. F. Hill. 1,826,883; Oct. 13.
Safety joint. H. P. Wickersham. 1,837,639; Dec. 22.
Safety lock. A. Maire and A. Béguelin. 1,809,486; June 9.
Safety lock, Window. J. B. Solomon. 1,838,713; Dec. 29.
Safety means for electric circuits. H. J. Blakeslee. 1,824,115; Sept. 22.
Safety means for gas apparatus. H. P. Sorensen. 1,834,186; Dec. 1.
Safety means for material-transfer devices. S. D. Wright. 1,795,103; Mar. 3.
Safety mechanism for automobile lifts. E. H. Steedman. 1,818,016; Aug. 11.
Safety mechanism for cranes. R. Z. Hopkins and G. T. Davey. 1,814,599; July 14.
Safety mixer. F. L. Craddock. 1,817,353; Aug. 4.
Safety pin. M. F. Carr. 1,811,780; June 23.
Safety pin. P. Dippel. 1,797,523; Mar. 24.
Safety pin. F. D. Ferrone. 1,801,955; Apr. 21.
Safety pin. O. Kerstens. 1,826,003; Oct. 6.
Safety projectile for gun practice and gun barrels suitable for the same. E. Schuler. 1,817,273; Aug. 4.
Safety propeller. K. Schapel. 1,812,451; June 30.
Safety razor. H. J. Gaisman. 1,817,512; Aug. 4.
Safety release, Laundry machine. J. P. Shea. 1,822,752; Sept. 8.
Safety swing seat. R. Dick. 1,823,318; Sept. 15.
Safety switch. M. Charles. 1,806,236; May 19.
Safety switch, Automatic. B. E. Getchell. 1,815,561; July 21.
Safety switch, Electric. H. J. Hammerly. 1,835,983; Dec. 8.
Safety system. D. D. Knowles. 1,809,280; June 9.
Safety system for electric plants. O. Heinisch and A. Riedl. 1,794,686; Mar. 3.
Safety throw-off iron. E. Timbs and L. E. Peck. 1,800,367; Apr. 14.
Safety tower. J. A. Brown. 1,821,376; Sept. 1.
Safety tubing lock. D. Brookshire. 1,823,186; Sept. 15.
Safety unit for motion picture projectors. T. T. Allen and J. F. Adams. 1,809,817; June 16.
Safety zone and tower, Combined. G. B. Steffan, H. O. Williams, and G. H. Fletcher. Des. 83,581; Mar. 3.
Safrol derivatives such as protocatechuic aldehyde isoeugenol, Making. F. E. Stockelbach. 1,792,716; Feb. 17.
Safrol derivatives such as vanillin and isochavibetol, Making. F. E. Stockelbach. 1,792,717; Feb. 17.
Sagger. R. E. Anderson. 1,832,442; Nov. 17.
Sail. A. E. Luders. 1,792,106; Feb. 10.
Sail. H. H. Platt. 1,793,373; Feb. 17.

Sail, mast, and rig for sailing boats and sailing vessels. D. Krussand. 1,813,937; July 14.
Sails to spars, Detachably connecting. W. C. Wood. 1,798,772; Mar. 31.
Sales device. G. H. and G. H. Glade, jr. 1,796,287; Mar. 17.
Sales transactions, Device for recording. J. E. Johnson. 1,813,495; July 7.
Salt and pepper shaker, Combination. E. E. Harris. 1,826,539; Oct. 6.
Salt and pepper shaker, Combination. A. M. Styx. 1,801,241; Apr. 14.
Salt and pepper shaker, Combined. L. J. Genett. Des. 83,154; Jan. 27.
Salt bath furnace, Electrically heated. A. G. E. Hultgren. 1,811,754; June 23.
Salt cake from Mannheim furnaces, Apparatus for discharging. M. D. Swords. 1,807,807; June 2.
Salt from oil, Removing a. H. C. Eddy. 1,825,309; Sept. 29.
Salt, Method of and apparatus for precipitating drift or sheet. H. K. Tyndall. 1,819,577; Aug. 18.
Salt of amino sulphonated castor oil, Making silver. W. T. Winckler. 1,809,770; June 9.
Salt of pentamethylene-dithio-carbamic acid, Making the piperidine. G. Lütz. 1,823,499; Sept. 15.
Salt shaker. H. M. Barr. Des. 84,453; June 23.
Salt shaker. A. Lolle. Des. 85,534; Nov. 10.
Salt water reel. C. T. Pflueger and W. L. Adams. 1,832,421; Nov. 17.
Salts, Decomposing. H. B. Bishop. 1,812,770; June 30.
Salts from brines and solutions, Apparatus for the production of. O. V. Martin. 1,811,091; June 23.
Salts from minerals, Extracting. E. P. Schoch. 1,794,551; Mar. 3.
Salts from minerals, Recovering. E. P. Schock. 1,794,552–3; Mar. 3.
Salts, Long chain amine. I. C. Somerville. 1,836,047; Dec. 15.
Salts of complex metallo hydrofluoric acid, Diazonium. W. Hentrich, M. Hardtmann, W. and E. Tietze. 1,825,729; Oct. 6.
Salts of half esters of dicarboxylic acids, Production of amine. W. J. Bannister. 1,803,298; Apr. 28.
Salts of tertiary N-di-alkyl derivatives of long chain amines. I. C. Somerville. 1,836,048; Dec. 15.
Salts, Treatment of crude mineral. E. Jänecke, H. Klippel, and E. Hegelmann. 1,813,575; July 7.
Salute. M. Rutter and E. E. Lechler. 1,792,246; Feb. 10.
Salute. C. Scardone. 1,789.372; Jan. 20.
Salvaging apparatus for sunken ships. G. W. Winkler 1,828,694; Oct. 20.
Sample display. J. H. Harris and C. F. Burney. 1,805,041; May 12.
Sample taking apparatus. G. A. Humason. 1,828,775; Oct. 27.
Sample taking device. G. J. Barrett and S. Robichaux. 1,830,012; Nov. 3.
Sampler. J. F. Grace. 1,837,858; Dec. 22.
Sampler, Side wall. S. H. Williston. 1,815,661; July 21.
Sampling bulk material, Device for. G. S. Meloy. 1,789,246; Jan. 13.
Samson post. H. H. Franks. 1,799,160; Apr. 7.
Sand and process of using, Molding. R. Cross. 1,795,011; Mar. 3.
Sand, Apparatus for settling and classifying. J. M. Mitchell. 1,807,125; May 26.
Sand blast machine. S. E. Garratt. 1,819,021; Aug. 18.
Sand blasting apparatus. W. O. Lytle. 1,819,331; Aug. 18.
Sand, clay, and the like materials, Removal of impurities from. J. English. 1,824.807; Sept. 29.
Sand cores, Making. A. Stahn. 1,802,681; Apr. 28.
Sand elevator. C. B. Thompson. 1,833,341; Nov. 24.
Sand filter beds and the like, Apparatus for cleaning. J. Peebles. Re18,301; Dec. 29.
Sand in foundries, Apparatus for handling. W. E. Naylor. Re18,106; June 16.
Sand in foundry molds and cores, Packing. M. Grindal. 1,816.774; July 28.
Sand, Making molding. W. Fisher. 1,808,161; June 2.
Sand or grit, Mechanism for regulatably spreading. J. A. Buyck. 1,795,105; Mar. 3.
Sand-packing device for pipe molds. L. L. Mathieu. 1,794.527; Mar. 3.
Sandpapering and rubbing machine. E. L. Torrison. 1,788,603; Jan. 13.
Sandpapering machine. A. N. Emmons. 1,821,624; Sept. 1.
Sandpapering machine. R. M. Phillips. 1,794,092; Feb. 24.
Sand reel post. H. F. Moran. 1,822,819; Sept. 8.
Sand slinging apparatus. W. H. Wangelin. 1,803,575; May 5.
Sand spraying device for motor vehicles. W. Herdling. 1,812,952; July 7.
Sand spraying device for motor vehicles, especially motor cars. W. Herdling. 1,810,765; June 16.
Sand spreading mechanism. G. C. Abbe. 1,824,419; Sept. 22.
Sand tempering machine. R. E. Briggs. 1,838,805; Dec. 29.
Sand treating apparatus. O. W. Hosking. 1,824,350; Sept. 22.
Sand treating machine. V. E. Minich. 1,802,567; Apr. 28.
Sand, Treating molding. F. E. McCabe. 1,804,629; May 12.
Sander. F. X. Gauthier. 1,793,689; Feb. 24.
Sander. G. J. Rittmann. 1,794,032; Feb. 24.
Sander feed mechanism. C. J. Kummer. 1,792,228; Feb. 10.
Sander for automobiles. J. A. Kegler. 1,834,625; Dec. 1.
Sander for busses and other vehicles. R. R. Elston. 1,812,521; June 30.
Sander for motor vehicles, Track. M. Condé and O. Winter. 1,795,711; Mar. 10.
Sanders, Motor control box for. P. A. Solem. 1,801,617; Apr. 21.
Sanding and finishing device. M. Kipperman. 1,835,604; Dec. 8.
Sanding and polishing device, Portable. R. Z. Hopkins and E. F. Seger. 1,834,059; Dec. 1.
Sanding apparatus. P. M. Cook. 1,797,898; Mar. 24.
Sanding apparatus for locomotives. R. A. Light and J. W. Price, jr. 1,800,548; Apr. 14.
Sanding apparatus, Ground. E. P. McLeod. 1,794,470; Mar. 3.
Sanding device. B. Rothstein. 1,818,815; Aug. 11.
Sanding device for automobiles. C. E. Liedberg. 1,833,084; Nov. 24.
Sanding device for automobiles. G. H. Riley. 1,832,581; Nov. 17.
Sanding machine. G. P. Bailey. 1,819,012; Aug. 18.
Sanding machine. E. W. Curtis. 1,820,377; Aug. 25.
Sanding machine. F. H. Johnson. 1,826,177; Oct. 6.
Sanding machine. B. D. Pinkney. 1,800,805; Apr. 14.
Sanding machine. R. A. Ponselle. 1,835,573; Dec. 8.
Sands, Process and apparatus for separating and treating bituminous. K. A. Clark. 1,791,797; Feb. 10.
Sandal. C. W. Hubbell. Des. 82,990; Jan. 6.
Sandal. J. Sohn. 1,805,728; May 19.
Sandal, Child's. A. P. Gilbert. Des. 83,963; Apr. 21.
Sandal for footwear, Universal. W. J. Bennett. 1,810,514; June 16.
Sandal, Skating. H. J. Collis. 1,798,590; Mar. 31.
Sandwich. V. M. Bonardi. Des. 84,023; Apr. 28.
Sandwich baker. W. W. Hale. 1,804,335; May 5.
Sandwich loaf. C. Doering. 1,797,856; Mar. 24.
Sandwich-making machine. C. Saetta. 1,798,560; Mar. 31.
Sanitary attachment for pipettes. R. F. McCrackan. 1,791,829; Feb. 10.
Sanitary cap. E. M. Tuggy. 1,796,638; Mar. 17.
Sanitary cooking vessel. R. Kania. 1,828,806; Oct. 27.
Sanitary fixture. R. E. Crane. 1,808,294; June 2.
Sanitary napkin. D. Marinsky. 1,800,739; Apr. 14.
Sanitary napkin. C. B. Mergentime. 1,829,231; Oct. 27.
Sanitary napkin. L. L. White. 1,788,756; Jan. 13.
Sanitary vent for pressure milk tanks. F. G. Thwaits. 1,819,827; Aug. 18.
Sanitation apparatus. J. Monaghan. 1,800,261; Apr. 14.
Sanitation device. J. Monaghan. 1,800,226; Apr. 14.
Saponification. V. R. Kokatnur. 1,813,454; July 7.
Saponification tank. C. V. Fuqua. 1,803,011; Apr. 28.
Sash and frame construction. W. S. Pritchard. 1,792,706; Feb. 17.
Sash and frame, Hinged. C. P. Chamberlin. 1,793.058; Feb. 17.
Sash and frame, Metal window. O. A. Munson. 1,806,263; May 19.
Sash and frame, Window. E. E. Hart. 1,809,121; June 9.
Sash and screen, Window. O. R. Hankins. 1,803,527; May 5.
Sash balance, Duplex spring. A. F. Mantz. 1,836,080; Dec. 15.
Sash balance, Window-. J. F. Kerr. 1,795.561; Mar. 10.
Sash, Concrete window. F. M. Sawyer. 1,825,162; Sept. 29.
Sash construction. W. E. Keller. 1,795,028; Mar. 3.
Sash construction, Metal window. G. G. Carman and C. D. Dykema. 1,830,504; Nov. 3.
Sash construction, Storm. D. E. Schrauger. 1,823,514; Sept. 15.
Sash construction, Window. C. Pullara. 1,800,104; Apr. 7.
Sash-cord arrangement for windows. F. M. Williamson. 1,800,919; Apr. 14.
Sash frame, Casement. A. Bollermann. 1,833,819; Nov. 24.
Sash guide. W. S. Hamm. 1,811,048; June 23.
Sash guide. G. H. Howenstein. 1.838,402; Dec. 29.
Sash having resilient edge portions. H. E. Campbell. 1,797,403; Mar. 24.
Sash in certain window construction, Mechanism for operating. E. L. Ackerman. 1,822,580; Sept. 8.
Sash lock. S. Goldman. 1,805,170; May 12.
Sash lock. F. Pekar. 1,828.439; Oct. 20.
Sash lock. R. D. Wirt. 1,834,194; Dec. 1.
Sash lock, Automatic window. H. E. McAllister. 1,819,824; Aug. 18.
Sash, Metallic. A. M. Lane. 1,832,847; Nov. 24.
Sash, Metallic window. A. M. Lane. 1,815,719; July 21.
Sash operating mechanism, Window. J. A. Vallée. 1,819,992; Aug. 18.
Sash operator, Automatic. H. D. Roach. 1,822,504; Sept. 8.

Sash or screen hanger, Storm. P. Kohl. 1,825,595; Sept. 29.
Sash retainer, Window. H. A. Bachleda. 1,837,646; Dec. 22.
Sash retaining means. J. N. Wetmore. 1,808,621; June 2.
Sash, Sliding and swinging. F. Koch. 1,830,115; Nov. 3.
Sash snubber, Window. A. E. Devol. 1,820,784; Aug. 25.
Sash, Storm. C. F. Charlton. 1,809,829; June 16.
Sash, Track for sliding. F. S. Beiger. 1,814,503; July 14.
Sash, Vehicle storm. O. S. Caesar. 1,823,237; Sept. 15.
Sash ventilator. C. H. Larson. 1,812,595; June 30.
Sash ventilator. J. F. Levan. 1,806,298; May 19.
Sash, Weather-stripped. G. W. Lancaster. 1,789,904; Jan. 20.
Sash, Window. R. Caiazzo. 1,807,507; May 26.
Sash, Window. C. H. Hansen. 1,820,273; Aug. 25.
Sash, Window. F. L. Michaels. 1,793,503; Feb. 24.
Satchel, Two-piece carton. J. D. Malcolmson. 1,798,612; Mar. 31.
Saucepan with stiffened rim. K. Taube and E. Oppermann. 1,797,594; Mar. 24.
Sausage and roll heater. W. H. Rittberger. 1,809,867; June 16.
Sausage, Branding. C. Schaaf, F. M. Morrison, A. L. Henkel, and R. E. Williams. 1,830,410; Nov. 3.
Sausage linking machine. J. H. Miller. 1,839,043; Dec. 29.
Sausage, Producing skinless. F. W. Knudsen. 1,825,528; Sept. 29.
Sausage stuffing and linking machine. R. C. Knoll. 1,790,868; Feb. 3.
Sausage wrapping method and apparatus. C. H. Vogt. 1,811,163; June 23.
Saveall. W. Wyllie. 1,795,695; Mar. 10.
Save-all, paper making machine, etc. J. A. White 1,820,854; Aug. 25.
Saw. J. B. Broillet. 1,789,804; Jan. 20.
Saw. C. S. Busque. 1,820,434; Aug. 25.
Saw. C. T. and C. E. Cahill. 1,793,053; Feb. 17.
Saw. C. T. Danielson. 1,803,463; May 5.
Saw. L. R. Elmers. 1,796,864; Mar. 17.
Saw. I. R. Forsyth. 1,811,079; June 23.
Saw. C. W. Jones. 1,797,611; Mar. 24.
Saw. H. L. Lewis. 1,807,120; May 26.
Saw. J. E. O'Neill. 1,806,702; May 26.
Saw. S. Vaccari. 1,802,129; Apr. 21.
Saw. V. A. Wilcox. 1,805,036; May 19.
Saw. C. L. Willis. 1,792,955; Feb. 17.
Saw and key. T. F. Barry and L. Bowen. 1,797,117; Mar. 17.
Saw and making the same, Circular. C. A. Fee. 1,803,103; Apr. 28.
Saw and power attachment, Portable. L. J. Winchell. 1,822,329; Sept. 8.
Saw apparatus, Gang. C. F. Moses. 1,838,437; Dec. 29.
Saw attachment for tractors. G. G. Westhoff. 1,837,141; Dec. 15.
Saw, Band. H. Phillips. 1,790,282; Jan. 27.
Saw, Band. H. M. Spencer. 1,827,490; Oct. 13.
Saw, Band. C. E. Tannewitz. 1,789,569; Jan. 20.
Sawblade for cutting meat and bone. C. Overstreet. 1,838,785; Dec. 29.
Saw, Circular. S. T. Freas and C. A. Gehr. 1,810,823; June 16.
Saw, Dehorning. J. N. Deibert, jr. 1,833,828; Nov. 24.
Sawdust burner. J. Klopfenstein. 1,832,223; Nov. 17.
Sawdust burner. A. Pfau. 1,818,503; Aug. 11.
Sawdust burner. V. C. Snyder. 1,804,285; May 5.
Saw, Electric hack. R. L. Overall. 1,834,635; Dec. 1.
Saw, Electric hand. J. D. Wallace and C. H. Landis. 1,792,204; Feb. 10.
Saw filer. E. A. Ross. 1,806,222; May 19.
Saw filer's gauge. I. D. Cantrell. 1,813,989; July 14.
Saw-filer's gauge. J. T. Riddle. 1,788,744; Jan. 13.
Saw filing machine. J. Judt. 1,817,082; Aug. 4.
Saw filing machine. L. J. Klunk. 1,832,224; Nov. 17.
Saw filing machine. S. Leone. 1,812,636; June 30.
Saw filing machine. E. A. Meacham. 1,828,150; Oct. 20.
Saw filing machine. J. J. Moore. 1,806,361; May 19.
Saw for butcher blocks. O. Girrbach. 1,800,521; Apr. 14.
Saw forming device. C. C. Knapp. 1,811,236; June 23.
Saw frame. H. S. Forsberg and J. Donnelly. 1,817,980; Aug. 11.
Saw-frame. J. Janda. 1,820,457; Aug. 25.
Saw, Frame. E. Löf. 1,799,108; Mar. 31.
Saw, Gang. J. R. Swift. 1,815,222; July 21.
Saw gauge. A. M. Remington. 1,815,215; July 21.
Saw gauge. E. Stauder. 1,814,266; July 14.
Saw guard. W. Eskridge. 1,795,203; Mar. 3.
Saw guard. L. Ferry. 1,789,357; Jan. 20.
Saw guide. J. C. Falls. 1,826,757; Oct. 13.
Saw gummer. J. E. Porter. 1,832,878; Nov. 24.
Saw, Hack. F. H. Bundy. 1,812,928; July 7.
Saw, Hack. P. Cunneen. 1,835,638; Dec. 8.
Saw, Hack. J. Maly. 1,792,024; Feb. 10.
Saw handle, Removable. C. Steinhilber. 1,806,922; May 26.
Saw, Hedge. G. C. McIntire. 1,834,000; Dec. 1.
Sawhorse. J. P. Beasley. 1,823,871; Sept. 22.
Sawhorses, Attachment for. E. G. Doland. 1,802,202; Apr. 21.
Saw, Insertable tooth. S. T. Freas. 1,831,705; Nov. 10.
Sawing implement. W. Wirtz. 1,838,125; Dec. 29.
Saw, Jig. R. H. Anderson. 1,820,294; Aug. 25.
Saw, Jig. R. H. Beebe. 1,826,983; Oct. 13.
Saw, Jig. A. V. Pickering. 1,826,187; Oct. 6.
Saw, Jig. A. V. Pickering and A. H. Moore. 1,826,188; Oct. 6.
Saw, Log and tree. W. J. Steffler. 1,805,318; May 12.
Saw, Log-grooving. S. J. Gardner. 1,797,646; Mar. 24.
Saw, Long pole power pruning. A. S. Gray and U. A. Simmons. 1,816,966; Aug. 4.
Saw machine, Cut-off. A. E. De Koning. 1,793,544; Feb. 24.
Saw, Meat. J. A. Young and F. Bryan. 1,829,079; Oct. 27.
Saw, Mechanical. J. Pesola. 1,793,008; Feb. 17.
Saw mechanism, Panel rip. B. A. Olson. 1,833,470; Nov. 24.
Saw mill carriage head block, Adjusting stop for. C. A. Carbaugh. 1,821,421; Sept. 1.
Sawmill dog. R. E. Langill and W. B. Grueter. 1,838,948; Dec. 29.
Sawmill, Go-around. F. C. Walters. 1,816,270; July 28.
Saw mill hog. T. B. Sumner. 1,816,097; July 28.
Saw mill log carriage machinery. E. H. Percy. 1,836,496; Dec. 15.
Saw mill set work. G. Tanner. 1,804,716; May 12.
Sawmill setworks. W. B. Grueter. 1,801,425; Apr. 21.
Saw operating attachment for tractors. H. Bittner. 1,816,246; July 28.
Saw, Portable. T. C. Dibble. 1,798,402; Mar. 31.
Saw, Portable. C. Skillman. 1,825,164; Sept. 29.
Saw, Portable electric. F. G. Beutner. 1,806,582; May 26.
Saw, Portable power. G. F. Krieger. 1,833,785; Nov. 24.
Saw, Portable power driven. T. J. Fegley and G. O. Leopold. 1,806,528; May 19.
Saw, Portable power hack. W. and E. Wolff. 1,795,919; Mar. 10.
Saw, Power. P. Lathers. 1,824,555; Sept. 22.
Saw, Power. J. Samson. 1,835,432; Dec. 8.
Saw, Power drag. J. T. Bolen. 1,804,969; May 12.
Saw rig, Portable. D. L. Tuttle. 1,794,742; Mar. 3.
Saw, Rotary. E. C. Bentz. 1,813,435; July 7.
Saw, Scroll. H. E. Tautz. Des. 85,847; Dec. 22.
Saw set. N. Covell. 1,834,237; Dec. 1.
Saw set. L. Johnson. 1,790,751; Feb. 3.
Saw setting device. F. N. Schroeder. 1,817,272; Aug. 4.
Saw setting machine. P. Carpenter. 1,828,392; Oct. 20.
Saw-setting machine. F. W. Juhl. 1,794,695; Mar. 3.
Saw setting machine. W. E. Knott. 1,820,278; Aug. 25.
Saw sharpening machine, Hack. E. Stauder. 1,831,204; Nov. 10.
Saw stretcher. J. H. Green. 1,810,349; June 16.
Saw, Swing. T. R. Landsborough. 1,822,155; Sept. 8.
Saw table. C. A. Staeheli. 1,825,104; Sept. 29.
Saw table. W. A. Tomlinson and H. B. Bearden. 1,813,783; July 7.
Saw tooth gauge, Circular. W. L. Hancock. 1,833,251; Nov. 24.
Saw, Tractor. E. Wilhelm and G. P. Lucas, jr. 1,832,599; Nov. 17.
Saw, Tubular. A. F. Kefflo. 1,829,659; Oct. 27.
Sawing and resawing machine. A. B. Johnson. 1,816,485; July 28.
Sawing apparatus. A. E. Combs and G. D. Fisk. 1,812,863; July 7.
Sawing apparatus. H. C. Howard. 1,797,088; Mar. 17.
Sawing apparatus. J. S. Oursler. 1,810,144; June 16.
Sawing apparatus. L. E. Weller. 1,797,848; Mar. 24.
Sawing apparatus, Wood. M. C. Grubb. 1,802,646; Apr. 28.
Sawing carriage. W. S. Smith. 1,802,844; Apr. 28.
Sawing device. C. T. Earhart. 1,832,283; Nov. 17.
Sawing machine. G. Babare. 1,825,041; Sept. 29.
Sawing machine. R. E. De Walt. 1,815,037; July 21.
Sawing machine. I. F. Dittmar. 1,794,758; Mar. 3.
Sawing machine. G. Francyk. 1,793,392; Feb. 17.
Sawing machine. G. Francyk. 1,825,516; Sept. 29.
Sawing machine. J. O. Horton. 1,805,043; May 12.
Sawing machine. J. O. Horton. 1,810,245; June 16.
Sawing machine. A. B. Johnson. 1,802,514; Apr. 28.
Sawing machine. W. Loeffler. 1,788,920; Jan. 13.
Sawing machine. A. Peterson. 1,826,222; Oct. 6.
Sawing machine. C. E. Tannewitz. 1,811,066; June 23.
Sawing machine and power take-off device, Wood. W. N. Severance. 1,832,793; Nov. 17.
Sawing machine, Automatic wood-. H. H. Herbold. 1,813,291; July 7.
Sawing machine, Combination. A. E. De Koning. 1,808,453; June 2.
Sawing machine, Combination wood. J. Hrnesjar. 1,813,293; July 7.
Sawing machine, Cut-off. O. K. Hill. 1,800,450; Apr. 14.
Sawing-machine frame. K. E. R. Osterberg. 1,794,350–2; Feb. 24.
Sawing machine with arcuate cut, Metal. J. Babin and A. Pays. 1,810,746; June 16.
Sawing machine, Wood. A. B. Cherney. 1,835,376; Dec. 8.
Sawing-trimming machine. C. B. Nelson. 1,821,569; Sept. 1.
Saws, Cleaning power meat. E. F. Gaines. 1,812,942; July 7.
Saws, Device for sharpening, filing, or dressing the teeth of circular. W. B. Huther. 1,836,120; Dec. 15.
Saws, Dust collector and guard for. C. G. Wilderson. 1,830,151; Nov. 3.
Saws, Making circular. E. Stauder. 1,837,344; Dec. 22.

Saws, Square and mitre attachment for. J. H. Searles. 1,815,216; July 21.
Saxon wheel table. M. A. Kirkpatrick. Des. 85,755; Dec. 15.
Saxophone. O. Biolcati. 1,803,229; Apr. 28.
Saxophone. F. Calvani. 1,828,389–90; Oct. 20.
Saxophone cord. A. S. Lang. 1,789,184; Jan. 13.
Saxophone key pad. E. J. Gulick. 1,830,025; Nov. 3.
Saxophone reed. E. J. Kingsbury. 1,795,219; Mar. 3.
Scabbard, Axe. O. A. Clark. 1,821,258; Sept. 1.
Scabbard, Ice-skate. A. Johnson. 1,788,433; Jan. 13.
Scabbard, Sanitary knife. A. V. Nies. 1,812,302; June 30.
Scaffold. E. F. Booser. 1,828,487; Oct. 20.
Scaffold. P. L. Bottoms. 1,816,514; July 28.
Scaffold. C. M. Goodrich. 1,814,688; July 14.
Scaffold. G. Horvath. 1,787,863; Jan. 6.
Scaffold. F. J. Kramer. 1,818,961; Aug. 11.
Scaffold. C. A. Thompson. 1,808,082; June 2.
Scaffold bracket. H. W. Sittig. 1,820,330; Aug. 25.
Scaffolding. C. A. Dahlberg. 1,830,017; Nov. 3.
Scale. C. W. Brand. 1,828,022; Oct. 20.
Scale. F. L. Campbell. Des. 83,845; Apr. 7.
Scale. C. Dollack. 1,812,937; July 7.
Scale. C. Ehret. 1,835,852; Dec. 8.
Scale. W. N. Gilbert. 1,788,020; Jan. 6.
Scale. H. A. Hadley. 1,832,550; Nov. 17.
Scale. N. A. Hallwood. 1,804,053; May 5.
Scale. M. H. Hansen. 1,838,941; Dec. 29.
Scale. M. H. Hansen. 1,838,992; Dec. 29.
Scale. H. M. and A. J. Jacobs. 1,838,182; Dec. 29.
Scale. L. Jaenichen. 1,802,558; Apr. 28.
Scale. L. Jaenichen. 1,825,317; Sept. 29.
Scale. L. Jaenichen. 1,833,164; Nov. 24.
Scale. R. Kilpper. 1,835,223; Dec. 8.
Scale. B. W. King. 1,811,831; June 23.
Scale. B. W. King. 1,816,189; July 28.
Scale. T. Long. Des. 84,198; May 19.
Scale. S. G. Murray. 1,839,115; Dec. 29.
Scale. W. F. Stimpson and W. E. Finch. 1,827,048; Oct. 13.
Scale. G. A. Sundell. 1,818,285; Aug. 11.
Scale. A. Van Duyn. 1,823,415; Sept. 15.
Scale. G. Walker. 1,798,236; Mar. 31.
Scale. G. Walker. 1,807,643–5; June 2.
Scale. G. Walker. 1,814,873; July 14.
Scale. G. Walker. 1,833,626; Nov. 24.
Scale and chart therefor. J. E. Rogers. 1,817,446; Aug. 4.
Scale apparatus. W. E. McKim. 1,827,758; Oct. 20.
Scale casing, Weighing-. L. D. Chambers. Des. 83,311; Feb. 17.
Scale, Check controlled. B. W. King. 1,822,038; Sept. 8
Scale, clock, and advertising panel, Combined weighing. G. Carleton. Des. 83,148; Jan. 27.
Scale, Coin-controlled. V. F. Slezak. Des. 84,714; July 21.
Scale, Coin controlled weighing. M. H. Hansen. 1,838,993; Dec. 29.
Scale, Combined lever and coil spring type of. M. J. Weber. 1,824,698; Sept. 22.
Scale, Compounding. M. J. Lachance. 1,813,578; July 7.
Scale, Computing. F. M. Carroll. 1,830,050; Nov. 3.
Scale, Computing. E. B. Locke. 1,831,182; Nov. 10.
Scale, Computing. W. R. Mittendorf. 1,792,112; Feb. 10.
Scale, Computing. W. R. Mittendorf. 1,800,741; Apr. 14.
Scale, Computing. W. J. Rouleau. 1,835,903; Dec. 8.
Scale, Computing. W. F. Stimpson and W. E. Finch. 1,808,269; June 2.
Scale, Counting. E. G. Thomas. 1,806,132; May 19.
Scale, Display-case. J. W. McMillan. Des. 83,645; Mar. 10.
Scale, Even balance. W. N. Gilbert. 1,838,019; Dec. 22.
Scale, Factor-lever weighting. J. W. Bryce. 1,791,951; Feb. 10.
Scale for switches, Adjustment. M. E. Henning. 1,791,896; Feb. 10.
Scale frame. H. L. Van Doren. Des. 85,897; Dec. 29.
Scale frame. H. L. van Doren. Des. 85,607; Nov. 17.
Scale, Hanging. H. A. Hadley. 1,832,551; Nov. 17.
Scale, Hanging. J. C. Mathews. 1,833,170; Nov. 24.
Scale indicating means. C. H. Hapgood. 1,828,225; Oct. 20.
Scale lever. H. O. Hem. 1,790,862; Feb. 3.
Scale, Locomotive. R. N. Miller. 1,821,661; Sept. 1.
Scale mechanism. W. W. Weidler. 1,827,499; Oct. 13.
Scale, Planter wire. M. N. Laursen. 1,822,352; Sept. 8.
Scale platform lifting device. L. Jaenichen. 1,833,576; Nov. 24.
Scale, Projecting. H. M. Cameron. 1,806,742; May 26.
Scale, Proportional. A. M. Clark. 1,810,392; June 16.
Scale reader for draftsmen. R. H. Shaen. 1,806,422; May 19.
Scale, Registering. O. Malcher. 1,815,310; July 21.
Scale, Spring. S. G. Averell. 1,791,110; Feb. 3.
Scale, Spring. S. G. Averell. 1,791,111; Feb. 3.
Scale, Spring. S. G. Averell. 1,803,832; May 5.
Scale, Spring. H. M. Cameron. 1,806,741; May 26.
Scale washer. E. J. Von Pein. 1,791,775; Feb. 10.
Scale, Weigh-can. A. Bousfield. 1,838,985; Dec. 29.
Scale, Weighing. W. Brooke. Des. 84,274; June 2.
Scale, Weighing. J. W. Bryce. 1,821,087; Sept. 1.
Scale, Weighing. E. L. Chott. 1,793,276; Feb. 17.
Scale, Weighing. E. R. Cross. 1,825,336; Sept. 29.
Scale, Weighing. T. B. Flanagan. 1,814,591; July 14.
Scale, Weighing. C. H. Hapgood. 1,790,859; Feb. 3.
Scale, Weighing. C. H. Hapgood. 1,798,258; Mar. 31.
Scale, Weighing. F. F. Heitz. 1,812,633; June 30.
Scale, Weighing. H. O. Hem. 1,837,548; Dec. 22.
Scale, Weighing. S. N. Hurt. Re18,190; Sept. 15.
Scale, Weighing. L. Jaenichen. 1,800,637; Apr. 14.
Scale, Weighing. L. O. Kelley. 1,806,167; May 19.
Scale, Weighing. A. Perera. 1,806,496; May 19.
Scale, Weighing. H. C. Schaper. 1,835,135; Dec. 8.
Scale, Weighing. E. G. Thomas. 1,822,549; Sept. 8.
Scale, Weighing. P. Viviano. 1,788,696; Jan. 13.
Scale, Weighing. L. S. Williams. 1,822,513; Sept. 8.
Scale, Weighing and counting. C. H. Hapgood. 1,790,858; Feb. 3.
Scale, Weighing and counting. M. O. Hem. 1,829,516; Oct. 27.
Scale, Weighing and counting. E. G. Thomas. 1,790,883; Feb. 3.
Scale, Wheel-load. A. Bousfield. 1,797,852; Mar. 24.
Scale with pendulum weight. A. Wirth. 1,832,602; Nov. 17.
Scaler, Hydraulic. H. C. Barnes and G. A. Driest. 1,804,735; May 12.
Scales. H. A. Hadley. 1,809,692; June 9.
Scales, Antirail spreader for track. A. Bousfield. 1,809,670; June 9.
Scales, Attachment for. F. B. and G. B. Hamblin. 1,800,017; Apr. 7.
Scales, Automatic weighing. W. Timson. 1,836,631; Dec. 15.
Scales, Dashpot for weighing. O. C. Reeves. 1,829,540; Oct. 27.
Scales, Damping mechanism for. M. Hallead. 1,837,817; Dec. 22.
Scales, Making check rods for. L. Jaenichen. 1,794,408; Mar. 3.
Scales, Weighing. J. Hopkinson. 1,830,942; Nov. 10.
Scalp, Apparatus for increasing circulation of the. C. J. Lowen. 1,821,979; Sept. 8.
Scalpel. L. Pauli. 1,835,519; Dec. 8.
Scanning device. C. F. Jenkins. 1,828,867; Oct. 27.
Scanning device. A. O. Tate. 1,825,487; Sept. 29.
Scanning, Method and means for. U. A. Sanabria. 1,805,848; May 19.
Scarf, Embroidered. J. R. Lundberg. Des. 85,439; Oct. 27.
Scarf muff. F. Chumbley. 1,797,226; Mar. 24.
Scarf or similar article. W. Kreielsheimer. Des. 83,862; Apr. 7.
Scarf or similar article. R. Rubinger. Des. 83,937; Apr. 14.
Scarf or similar article, Embroidered lace. L. Dinkelspiel. Des. 83,094; Jan. 20.
Scarf or similar article, Embroidered lace. L. Dinkelspiel. Des. 83,850–1; Apr. 7.
Scarf or similar article, Lace. E. F. Stiner. Des. 83,136; Jan. 20.
Scarifier. B. W. Willig. 1,831,899; Nov. 17.
Scarifier and cleaner, Seed and grain. O. Boyer. 1,793,385; Feb. 17.
Scavenging for two-stroke internal combustion engines. T. V. Hemmingsen. 1,823,399; Sept. 15.
Schiff's bases derived from alpha substituted cinnamylaldehydes. W. Kropp. 1,834,850; Dec. 1.
Scissors. J. E. Baxtarr. 1,789,801; Jan. 20.
Scissors. T. S. Crampton. 1,787,512; Jan. 6.
Scissors. T. S. Crampton. 1,802,705; Apr. 28.
Scissors. M. Parker. 1,814,959; July 14.
Scissors, Electric. L. Orussa. 1,802,571; Apr. 28.
Scissors, Hair cutting. A. F. Mirafuentes. 1,806,486; May 19.
Scissors or shears, Automatic. J. B. MacNamee. 1,818,900; Aug. 11.
Scissors, shears, and the like. J. H. C. Boyd. 1,799,950; Apr. 7.
Scoop and scraper, Excavating. F. A. Grounds. 1,835,214; Dec. 8.
Scoop-condenser apparatus. H. F. Schmidt. 1,797,841; Mar. 24.
Scoop, Excavating. E. H. Fundom. 1,824,989; Sept. 29.
Scoop for locomotives, Water. C. L. Walker. 1,837,739; Dec. 22.
Scoop for potato diggers. G. Heglund. 1 809,626; June 9.
Scoop, Ice cream. J. L. Balton. 1,805,387; May 12.
Scoop, Ice cream. J. E. Chisholm. 1,826,651; Oct. 6.
Scoop, Ice-cream. L. M. Lawrence. 1,799,827; Apr. 7.
Scoop, Ice cream. C. G. Palmer. 1,826,818; Oct. 13.
Scoop, Portable. G. Gunderson. 1,813,159; July 7.
Scoop, Sand. T. H. Sly. 1,802,223; Apr. 21.
Scooping machine. H. H. Boettcher. 1,810,389; June 16.
Scooter and coaster, Child's. B. H. Stevens. 1,838,877; Dec. 29.
Scooter-coaster. E. Silen. 1,834,258; Dec. 1.
Scooter. S. P. Ambrose. 1,801,895; Apr. 21.
Scooter. F. H. Siefken. 1,792,045; Feb. 10.
Scooter, Power. W. L. Neuman. 1,801,526; Apr. 21.
Scooter, Self propelled. S. L. Gossard. 1,832,018; Nov. 17.
Score board. W. P. Bott. 1,820,431; Aug. 25.
Score board, Football. A. M. Monroe. 1,814,729; July 14.
Score board, Golf. R. Bowen. 1,811,778; June 23.
Score indicator for tests, Selective. J. A. Wiley. 1,837,742; Dec. 22.
Scoring device. I. W. Bonic. 1,833,453; Nov. 24.

Scoring device for tests, Self-. J. A. Wiley. 1,797,744; Mar. 24.
Scoring machine. W. E. Taylor. 1,805,708; May 19.
Scotch block. S. W. Hayes. 1,801,917; Apr. 21.
Scouring device. T. Cahill. 1,795,708; Mar. 10.
Scouring device. J. F. Darling. 1,820,183; Aug. 25.
Scow. J. Witkowski. 1,787,849; Jan. 6.
Scow, Dump. A. Beaton. 1,832,349; Nov. 17.
Scrap chopper. W. O. Forman. 1,797,950; Mar. 24.
Scrap cutter. L. Williams. 1,803,530; May 5.
Scraper. L. P. Green. 1,791,526; Feb. 10.
Scraper. P. C. Neilsen. 1,829,531; Oct. 27.
Scraper. W. Potter. 1,817,761; Aug. 4.
Scraper. H. Ricks. 1,806,219; May 19.
Scraper. H. Ricks. 1,834,110; Dec. 1.
Scraper. J. M. Silver. 1,793,968; Feb. 24.
Scraper. C. E. Westphal. 1,799,032; Mar. 31.
Scraper and grader, Combined. C. E. and S. H. Ball. 1,834,301; Dec. 1.
Scraper attachment for tractors. J. P. Byrson. 1,835,273; Dec. 8.
Scraper, Automatic revolving. D. R. Throop. 1,806,959; May 26.
Scraper, Automobile windshield. F. Hoover. 1,790,544; Jan. 27.
Scraper, Carbon. C. C. Lawson. 1,836,475; Dec. 15.
Scraper, Electrically heated. J. McNeil. 1,809,718; June 9.
Scraper for ditcher, Side ditch. E. R. Seward. 1,831,324; Nov. 10.
Scraper for ditching machines. H. H. Barber. 1,796,184; Mar. 10.
Scraper for flowing wells. W. E. Keenan. 1,833,253; Nov. 24.
Scraper for rollers. L. S. Harber. 1,831,531; Nov. 10.
Scraper for tractor wheels. K. von Brethorst. 1,828,824; Oct. 27.
Scraper, Hog. W. H. Taylor. 1,834,479; Dec. 1.
Scraper, Hydraulic road. G. E. Dean. 1,793,066; Feb. 17.
Scraper, Leaning wheel road. W. T. Beatty, F. S. Davis, and F. D. Wilson. 1,811,661; June 23.
Scraper, Mud. J. L. Bosch. 1,837,946; Dec. 22.
Scraper or grader. H. C. Huffington. 1,837,108; Dec. 15.
Scraper, Power lift. T. H. Jamison. 1,817,985; Aug. 11.
Scraper, Reversible double digging edge. E. C. Addison and W. H. Hill. 1,806,551; May 19.
Scraper, Revolving. C. Le Bleu. 1,826,252; Oct. 6.
Scraper, Road. C. J. Moritz. 1,813,071; July 7.
Scraper, Rotary earth. J. H. Slaker. 1,796,309; Mar. 17.
Scraper, Wheel. T. W. Detmore. 1,808,639; June 2.
Scraper, Wheel. R. E. Garrett. 1,790,006; Jan. 27.
Scraper, Wheel. F. E. Sealey. 1,815,991; July 28.
Scraper, Wheeled. E. E. Doran. 1,807,201; May 26.
Scraper, Wheeled. G. C. Keown. 1,803,971; May 5.
Scraper, Windshield. N. J. Berge. 1,813,604; July 7.
Scrapers, Apparatus for controlling. McL. C. Slate. 1,791,485; Feb. 3.
Scrapers, Slip tongue for. W. K. McMillan. 1,811,275; June 23.
Scraping means. C. L. Cook. 1,837,115; Dec. 15.
Scratcher for animals, Automatic back. S. F. Cole. 1,800,602; Apr. 14.
Screed jack. E. O. Brostrom. 1,788,481; Jan. 13.
Screen: *See*—

Advertising screen.	Picture screen.
Auto window screen.	Pulp screen.
Automobile radiator screen.	Radiator screen.
Bar screen.	Roll screen.
Cinema projection screen.	Roller screen.
Cinematograph screen.	Rolling screen.
Door and window screen.	Rotary screen.
Drum screen.	Rotary pulp screen.
Duplex screen.	Sectional screen.
Dust collector screen.	Sewing screen.
Fireplace screen.	Shaker screen.
Gravel well screen.	Shaking screen.
Liquid screen.	Slag screen.
Metal screen.	Vehicle screen.
Pickling screen.	Vibrating screen.
Picture projection screen.	Well screen.
	Window screen.

Screen. J. V. Abronski. 1,793,537; Feb. 24.
Screen. J. V. Abronski. 1,793,539; Feb. 24.
Screen. T. A. Brouillette. 1,798,187; Mar. 31.
Screen. F. P. Bunker. 1,828,642; Oct. 20.
Screen. E. Deister. 1,806,934; May 26.
Screen. R. B. Dwyer. Des. 83,598; Mar. 10.
Screen. W. Hanley. 1,790,374; Jan. 27.
Screen. A. Heath. 1,794,956; Mar. 3.
Screen. J. F. Hudson. 1,832,776; Nov. 17.
Screen. B. E. McElyea. 1,811,553; June 23.
Screen. L. A. Pace. 1,825,538; Sept. 29.
Screen. A. G. Siebenlist. 1,796,581; Mar. 17.
Screen and apparatus for removing objects from streams, Fish. F. Cuttle and C. F. Brookhart. 1,799,457; Apr. 7.
Screen and frame construction, Window. J. W. Boothman. 1,811,111; June 23.
Screen and frame, Motion-picture. F. P. Heck. 1,800,627; Apr. 14.
Screen and glazing for motor and other vehicles, Wind. G. P. Despret. 1,820,601; Aug. 25.
Screen and like device. L. T. Ward. 1,813,475; July 7.
Screen and making same, Woven wire. J. Boehm. 1,829,498; Oct. 27.
Screen and storm window, Combination. W. F. Schenke. 1,788,932; Jan. 13.
Screen and ventilator, Combined. W. A. Allen. 1,838,207; Dec. 29.
Screen box. T. Ray and J. R. Ray. 1,821,190; Sept. 1.
Screen-closure construction. B. C. Rockwell. 1,792,762; Feb. 17.
Screen construction. D. E. Shrauger. 1,803,920; May 5.
Screen construction, Rolling window. H. C. Coates. 1,802,374; Apr. 28.
Screen construction, Window. C. McCalmon. 1,807,425; May 26.
Screen device for windows. E. Wilking. 1,788,757; Jan. 13.
Screen diaphragm for tube mills, etc., Adjustable. W. A. Gibson. 1,825,347; Sept. 29.
Screen for automobile doors. Window. E. T. Pousha. 1,837,135; Dec. 15.
Screen for automobiles. D. D. Rowley and D. M. McLellan. 1,816,196; July 28.
Screen for automobiles, Rolling window. W. E. Parker. 1,806,495; May 19.
Screen for ball mills. H. S. Lee and W. L. Kaiser. 1,793,495; Feb. 24.
Screen for closed automobiles, Window. F. P. Prawalsky. 1,823,290; Sept. 15.
Screen for motion pictures and the like. M. De Francisco. 1,808,725; June 2.
Screen for reflectors, Color. A. Hopkin, jr. 1,824,894; Sept. 29.
Screen for showing projected images in lighted rooms and for short exposure photography. R. O. J. Jensen. 1,824,353; Sept. 22.
Screen for windows, Roller. J. P. Roberts. 1,793,195; Feb. 17.
Screen for windshields. F. R. Harris, jr. 1,810,044; June 16.
Screen for wood pulp digesters or the like, Top. E. Morterud. 1,810,845; June 16.
Screen for X-rays and material used in making same, Fluorescent. R. Jahoda and L. Lilienfeld. 1,817,005; Aug. 4.
Screen frame. A. S. Mensik. 1,797,511; Mar. 24.
Screen frame, Motion picture. J. T. Heck. 1,820,739; Aug. 25.
Screen frame, Window. F. R. Adams. 1,824,187; Sept. 22.
Screen framing, Window. C. S. Inglis. 1,830,945; Nov. 10.
Screen grid tube. E. A. Lederer. 1,830,233; Nov. 3.
Screen hardware. T. P. Lallance. 1,834,246; Dec. 1.
Screen installation for casement windows, Roll. H. Dixson. 1,819,360; Aug. 18.
Screen intake, Adjustable. O. E. Noble. 1,810,981; June 23.
Screen or grille and its manufacture, Framed wire. L. B. Green. 1,837,615; Dec. 22.
Screen or similar article, Wall-light. J. A. Naz. Des. 83,242; Feb. 3.
Screen, particularly wind screen for vehicles. J. C. Destrée. 1,837,953; Dec. 22.
Screen protecting device. C. Traut. 1,833,140; Nov. 24.
Screen-repairing device. N. Litwin. 1,792,594; Feb. 17.
Screen structure. D. G. Harvey. 1,790,861; Feb. 3.
Screen support and anchor. H. E. Smith. 1,802,786; Apr. 28.
Screen wind deflector and ventilator, Combined window. R. Noppenz. 1,813,756; July 7.
Screening apparatus. C. A. Gustafson. 1,829,348; Oct. 27.
Screening apparatus. M. P. Reynolds. 1,804,115; May 5.
Screening device. L. E. Rice. 1,788,124; Jan. 6.
Screens and the like, Attachment for. I. I. Abrams. 1,808,199; June 2.
Screens and the like, Producing polychromatic. A. A. Canton. 1,828,958; Oct. 27.
Screens, Apparatus for forming well. M. J. Trumble. 1,790,515; Jan. 27.
Screens, Attaching means for rolled. W. J. Dufficy. 1,803,101; Apr. 28.
Screens, Device for extending adjustable windows. M. E. Podgorski and L. M. Solden. 1,834,967; Dec. 8.
Screens employed in photo-engraving, Making. J. W. Ippers. 1,794,693; Mar. 3.
Screens for the projection of pictures thereon, Coating. J. Crawford. 1,833,317; Nov. 24.
Screens, Holding ring for manufacture of well. H. D. Wilson, jr. 1,808,913; June 9.
Screens, Making and selling tubular well. T. O. Poe. 1,809,569; June 9.
Screens, Synchronous control of color. H. A. Kliegl. 1,818,718; Aug. 11.
Screw. F. J. Plym. 1,825,419; Sept. 29.
Screw, Air. H. Leitner and H. C. Watts. 1,789,240; Jan. 13.
Screw, Air. C. Lorenzen. 1,832,783; Nov. 17.
Screw anchor. A. B. Chance. 1,797,637; Mar. 24.
Screw and lock washer. C. G. Olson. 1,788,735; Jan. 13.
Screw and nut, Ball bearing. B. F. Schmidt. 1,831,080; Nov. 10.
Screw and nut turning device. F. E. Bertrand. 1,835,135; Dec. 8.
Screw and similar machine. C. A. Rich. 1,826,953; Oct. 13.
Screw cap. J. S. Hardiman. 1,810,706; June 16.

Screw cap. E. Scofield. 1,787,959; Jan. 6.
Screw cap retainer. C. Czajkowski. 1,835,380; Dec. 8.
Screw clamp. A. Schmieder. 1,788,546; Jan. 13.
Screw clamp. A. Schmieder. 1,793,560–1; Feb. 24.
Screw conveyer pile. J. W. Taussig. 1,805,265; May 12.
Screw coupling, Split. F. C. Kainer. 1,811,200; June 23.
Screw cutting die. E. T. Bysshe and R. R. Finn. 1,804,459; May 12.
Screw driver. J. E. Carlin. 1,816,359; July 28.
Screw driver. K. T. Gentry. 1,810,704; June 16.
Screw driver. S. McWade. 1,809,719; June 9.
Screw driver. P. L. Robertson. 1,824,624; Sept. 22.
Screw driver. W. C. Roe. 1,829,421; Oct. 27.
Screw driver. R. J. Velepec. 1,791,771; Feb. 10.
Screw driver and pliers, Combination. A. F. Mueller. 1,802,666; Apr. 28.
Screw driver, Automatic. G. R. Wilcox. 1,821,194; Sept. 1.
Screw driver, Automatic locking double-ratcheting. R. S. Summers. 1,795,054; Mar. 3.
Screw driver designed to be keyed on a screw. F. H. Wood. 1,797,390; Mar. 24.
Screw driver screw holding device. J. C. and R. D. Shaw. 1,815,594; July 21.
Screw driving device. J. V. Walker. 1,807,265; May 26.
Screw elements, Self-locking coupled. W. E. Hoke. 1,798,604; Mar. 31.
Screw-extrusion machine, Heated. D. Brown. 1,788,821; Jan. 13.
Screw eyes, Mechanism for assembling and feeding. E. D. Priest. 1,791,764; Feb. 10.
Screw feeding mechanism. F. H. Dellaree. 1,813,697; July 7.
Screw for motor sleighs, Propelling. F. Wels. 1,790,035; Jan. 27.
Screw for the aerodynamic brakage of aeroplanes and the like, Self rotating air. G. Serragli. 1,811,867; June 30.
Screw grab. P. Yungling. 1,787,713; Jan. 6.
Screw hub, Air. H. N. Wylie. 1,830,731; Nov. 3.
Screw, Hydraulically operated variable pitch air. H. S. Hele-Shaw and T. E. Beacham. 1,829,930; Nov. 3.
Screw inserting and driving apparatus. J. McDonough. 1,793,236; Feb. 17.
Screw jack. J. W. Bate. 1,810,118; June 16.
Screw jack. J. W. Bate. 1,815,885; July 21.
Screw jack. F. H. Schwerin. 1,837,137; Dec. 15.
Screw jack. E. L. Wilson. 1,795,630; Mar. 10.
Screw lock. C. G. Olson. 1,829,293; Oct. 27.
Screw locking device. E. C. Baynes. 1,833,554; Nov. 24.
Screw machine. X. R. Dodge. 1,794,885; Mar. 3.
Screw machine. J. H. Mansfield and C. F. Penrose. 1,825,749; Oct. 6.
Screw machine. E. Warner. 1,805,746; May 19.
Screw machines, Attachment for automatic. E. S. Ingraham. 1,796,890; Mar. 17.
Screw machines, Indexing mechanism for automatic multiple-spindle. A. E. Drissner and C. Q. Garey. 1,788,422–3; Jan. 13.
Screw machines, Thread cutting means for automatic. J. H. Mansfield and C. F. Penrose. 1,812,660; June 30.
Screw machines, Work receiver for automatic. J. Karcevsk. 1,788,240; Jan. 6.
Screw mechanism, Releasable. J. C. Hochman. 1,794,614; Mar. 3.
Screw press. S. Hiller and A. E. Ozouf. 1,828,968; Oct. 27.
Screw press. R. T. Lang. 1,835,789; Dec. 8.
Screw press. M. Walker. 1,825,686; Oct. 6.
Screw power press. E. W. Zeh. 1,810,996; June 23.
Screw propeller. V. Lougheed. 1,820,814; Aug. 25.
Screw propeller. O. G. Malvorsen. 1,806,345; May 19.
Screw retainer. J. B. Kirby. 1,816,591; July 28.
Screw-retaining device. F. J. Raybould. 1,788,408; Jan. 13.
Screw, Self centering drive. F. E. Newton. 1,802,668; Apr. 28.
Screw. Self locking fillister headset. R. T. Hosking. 1,813,053; July 7.
Screw, Single-point, double drive thread. J. A. Arens. 1,801,186; Apr. 14.
Screw tap. F. W. Kosfeld. 1,789,237; Jan. 13.
Screw thread coupled member. L. B. Bridges. 1,828,856; Oct. 27.
Screw thread coupled members. H. L. Dardelet. 1,817,295; Aug. 4.
Screw thread testing device. C. G. Johnson. 1,808,816; June 9.
Screw threading machine, Automatic. J. F. Arnold. 1,825,171; Sept. 29.
Screw threads, Device for rolling. H. Hubbell, jr. 1,820,193; Aug. 25.
Screw threads to wooden members, Method and tool for securing wire. W. Heyner and H. Henkel. 1,816,282; July 28.
Screws and bolts, Making. C. Kaufman. 1,803,803; May 5.
Screws, Antifrictional means for. A. R. Esmond. 1,810,910; June 23.
Screws, Making conveyor and elevator. F. R. McFarland. 1,818,492; Aug. 11.
Screws, Operating mechanism for temper. F. V. and L. P. Kesselman. 1,799,171; Apr. 7.
Screws, Ornamental head for. H. W. Dover. 1,832,364; Nov. 17.
Scribe, Pocket compass, pencil clip, pencil, Combined. N. F. A. Halvorsen. 1,801,626; Apr. 21.
Scrubber. O. V. Kean. 1,794,854; Mar. 3.
Scrubber for refrigerating apparatus. H. R. Loranger and U. R. Loranger. 1,804,836; May 12.
Scrubber, Mechanical. E. A. Johnson. 1,798,327; Mar. 31.
Scrubbing machine. J. Milanovich. 1,804,636; May 12.
Scrubbing machine, Floor-. F. H. Blogg. 1,801,135; Apr. 14.
Scum removing device. C. W. Anderson. 1,808,279; June 2.
Scupper. S. P. Mead. 1,800,556; Apr. 14.
Scuttle, Coal. M. R. Ross. 1,835,241; Dec. 8.
Scuttle, Fireplace. D. M. Baldwin. Des. 84,561; July 7.
Scuttle ports and the position of the pane holders thereof, Adjusting the openings of. L. Lalanne. 1,803,533; May 5.
Scuttle, Ship's. R. Ducroux. 1,823,790; Sept. 15.
Sea bottom, Apparatus for photographing the. F. I. Stiles. 1,810,302; June 16.
Sea drome. E. G. Smith. 1,822,245; Sept. 8.
Seagoing craft. W. R. Blair. 1,815,286; July 21.
Sea wall. E. A. Forbes. 1,811,005; June 23.
Seal. M. B. Behrman. 1,790,695; Feb. 3.
Seal. M. B. Behrman. 1,791,342; Feb. 3.
Seal. W. M. Brooks. 1,820,595; Aug. 25.
Seal. F. Keidel. 1,831,180; Nov. 10.
Seal. I. W. Müller. 1,821,984; Sept. 8.
Seal. T. E. Murray. 1,798,749; Mar. 31.
Seal. E. C. Pagel. 1 826,018; Oct. 6.
Seal. M. Pinkert and I. Müller. 1,803,916; May 5.
Seal. T. M. Prudden. 1,799,701; Apr. 7.
Seal. O. A. Ross. 1,818,650–1; Aug. 11.
Seal. A. P. Stillman. 1,814,773; July 14.
Seal. A. P. Stillman. 1,815,015; July 14.
Seal. F. G. Street. 1,815,016; July 14.
Seal. N. B. Wenk. 1,832,270; Nov. 17.
Seal apparatus for well tubing and casing. G. J. McHardy. 1,835,418; Dec. 8.
Seal, Bung. M. Seitz. 1,831,199; Nov. 10.
Seal, Compressor bearing. C. C. Spreen. 1,823,804–5; Sept. 15.
Seal construction. D. Ferrell and A. W. Helmholtz. 1,834,581; Dec. 1.
Seal construction. H. A. Greenwald. 1,802,813; Apr. 28.
Seal construction for windows, Weather. H. Bianco. 1,826,686; Oct. 6.
Seal, Crank case. H. E. Thompson. 1,820,100; Aug. 25.
Seal, Crank case oil. A. Nutt. 1,832,320; Nov. 17.
Seal, Crankshaft. A. B. Willi. 1,835,127; Dec. 8.
Seal cutter. W. James. 1,836,030; Dec. 15.
Seal, Float arm. C. A. De Giers. 1,818,973; Aug. 18.
Seal, Floating roof. E. E. Shanor. 1,825,639; Sept. 29.
Seal for bung fixtures of containers. I. H. Rieke. 1,808,575; June 2.
Seal for compressors. C. C. Spreen. 1,797,735; Mar. 24.
Seal for containers, Tamper-proof. G. A. Williams. 1,809,806; June 9.
Seal for hydraulic turbine gates and the like, Adjustable. R. V. Terry. 1,817,654; Aug. 4.
Seal for journal bearings. C. C. Spreen. 1,826,373; Oct. 6.
Seal for mercury arc rectifiers. D. C. Prince. 1,817,762; Aug. 4.
Seal for metal tank rectifiers and the like. E. B. Shand and L. Smede. 1,806,313; May 19.
Seal for receptacles, Frangible. I. Newman. 1,805,003; May 12.
Seal for refrigerating apparatus. W. H. F. Schmieding and J. G. King. 1,803,510; May 5.
Seal for rods, Fluid. J. A. Rossiter. 1,796,537; Mar. 17.
Seal for spark plugs. D. Schaaf. 1,790,445; Jan. 27.
Seal for steam power plants, Water. R. R. Waterman. 1,814,100–1; July 14.
Seal for universal joints. Grease. A. H. Leipert. 1,833,051; Nov. 24.
Seal for vacuum jars. G. A. Sykes. 1,790,957; Feb. 3.
Seal, Hermetic. A. Podel. 1,813,949; July 14.
Seal, Identification. P. Donohoe. 1,824,199; Sept. 22.
Seal, Joint. H. Hardinge. 1,819,093; Aug. 18.
Seal, Liquid. W. H. Bath. 1,806,929; May 26.
Seal, Oil. H. A. Clark. 1,819,371; Aug. 18.
Seal, Pie crust. A. W. Austin. 1,827,062; Oct. 13.
Seal press. E. Dietze. 1,809,235; June 9.
Seal ring for locking service cocks. J. F. D'Ewart. 1,792,575; Feb. 17.
Seal, Safety. H. E. Lake. 1,830,950; Nov. 10.
Seal, Shaft. F. D. Peltier and E. Widerborg. 1,825,918; Oct. 6.
Seal, Shaft. H. J. Welch. 1,838,799; Dec. 29.
Seal, Tube. A. W. Kath. 1,821,017; Sept. 1.
Sealed can. H. Sebell. 1,808,321; June 2.
Sealed can. H. Sebell. 1,832,250; Nov. 17.
Sealer, Dental handpiece attachment. W. J. Terry. 1,821,451; Sept. 1.
Sealer, Envelope. J. D. Bruce. 1,837,156; Dec. 15.
Sealer, Hand can top. C. M. Young. 1,813,220; July 7.
Sealer, Undercounter. W. A. Uttz, sr. 1,787,883; Jan. 6.
Sealing. C. A. Matson. 1,824,285; Sept. 22.

Sealing apparatus. J. M. Sauerbeck. 1,827,618; Oct. 13.
Sealing apparatus. D. D. Zerollo. 1,790,037; Jan. 27.
Sealing attachment for machines for applying crown corks to bottles or other containers. W. O. P. Rieck. 1,812,804; June 30.
Sealing burial cases. B. E. Lambert. 1,818,485; Aug. 11.
Sealing closure and applying same. J. E. Jacoby. 1,801,006; Apr. 14.
Sealing composition. R. L. Jenkins and C. G. Hardy. 1,822,033; Sept. 8.
Sealing composition, Self deodorizing. B. Dewey. 1,807,570; May 26.
Sealing compound. A. W. Schorger. 1,817,496; Aug. 4.
Sealing compound or stain and producing the same, Surface. F. S. Vivas. 1,822,253; Sept. 8.
Sealing construction and expansion joints, Process and apparatus for. G. W. Christians. 1,814,127; July 14.
Sealing construction for tanks. F. L. Maker. 1,831,020; Nov. 10.
Sealing device. F. J. Dion. 1,821,145; Sept. 1.
Sealing device. F. M. Rutten. 1,814,412; July 14.
Sealing device. R. H. Webster. 1,826,033; Oct. 6.
Sealing device. J. Wolf. 1,804,298; May 5.
Sealing device, Dry cell. W. T. Birdsall. 1,827,416; Oct. 13.
Sealing device for soft metal tubes. S. O. Lawrence. 1,815,319; July 21.
Sealing device for tire valves. G. E. Disney. 1,792,825; Feb. 17.
Sealing drying chambers and the like. R. R. Jones. 1,799,375; Apr. 7.
Sealing flowing wells and stopping the engine, Device for. C. A. Rasmussen and W. A. Trout. 1,836,507; Dec. 15.
Sealing food products in vacuum, Hermetically. J. H. O'Neil and A. L. Kronquest. 1,819,437; Aug. 18.
Sealing in machines, Bulb feeder for. J. Regenstreif. 1,791,427; Feb. 3.
Sealing machine, Envelope. A. J. Keiser. 1,799,820; Apr. 7.
Sealing machine, Package-. W. A. Uttz, sr. 1,787,881; Jan. 6.
Sealing means. W. M. Brooks. 1,821,418; Sept. 1.
Sealing means. W. M. Brooks. 1,822,390; Sept. 8.
Sealing means. H. J. Walker. 1,792,786; Feb. 17.
Sealing means for constructional material, Packaging. A. C. Fischer. 1,821,885; Sept. 1.
Sealing means for paper bags and the like. P. Schardt. 1,802,276; Apr. 21.
Sealing medium. J. C. Hughes. 1,800,143; Apr. 7.
Sealing-off machine for glass objects. J. N. Scism. 1,827,914; Oct. 20.
Sealing ring. C. A. Sundeen. 1,837,500; Dec. 22.
Sealing ring for cans and pails. C. H. Rollason. 1,815,011; July 14.
Sealing the ends of vessels against internal fluid pressure. H. Willshaw, W. G. Gorham, and E. Ramsbottom. 1,816,883; Aug. 4.
Seam for sewed articles. J. Berger. 1,833,769; Nov. 24.
Seam for sewed articles. R. R. Carver. 1,819,407; Aug. 18.
Seam for sewed articles. N. V. Christensen. 1,822,799; Sept. 8.
Seam forming and staying machine. G. G. Perkins. 1,815,325; July 21.
Seam locater for casting perforators. R. Moss. 1,825,243; Sept. 29.
Seam opener. A. Ketterer. 1,801,630; Apr. 21.
Seam-opening device. P. Gardner. 1,799,132; Mar. 31.
Seam pressing machine. G. Boulton. 1,833,930; Dec. 1.
Seam pressing machine, Trouser. C. Pietracatella. 1,823,628; Sept. 15.
Seam rolling machine. W. A. Cotes. 1,826,506; Oct. 6.
Seaming mechanism. P. H. Lange. 1,819,249–50; Aug. 18.
Seamless tube mill. J. V. Mazurie and T. Patterson. 1,826,360; Oct. 6.
Seams, Apparatus for opening and pressing. H. Tanner. 1,801,059; Apr. 14.
Seams, Making multiple. J. P. Weis. 1,809,461; June 9.
Seams of bathing caps and other articles, Apparatus for reenforcing the. A. E. Collins. 1,828,997; Oct. 27.
Seams, Welding long. J. H. Deppeler. 1,795,332; Mar. 10.
Seaplane. G. M. Bellanca. 1,790,894; Feb. 3.
Seaplane float construction. J. L. Bernard. 1,800,167; Apr. 7.
Seaplane floats, pontoons, and the like, Collapsible structure as. N. Straussler. 1,795,976; Mar. 10.
Searchlight. C. Hirsch. 1,833,574; Nov. 24.
Searchlight. C. B. Mills. 1,801,285; Apr. 21.
Searchlight, Adjustable. L. Muller. 1,827,797; Oct. 20.
Seat: *See*—

Adjustable seat.	Reclining seat.
Automobile seat.	Removable seat.
Bathtub seat.	Resilient seat.
Cab seat.	Safety swing seat.
Chair seat.	Shiftable seat.
Check valve seat.	Stadium seat.
Closet seat.	Toilet seat.
Cushion seat.	Valve seat
Folding seat.	Vehicle seat.
Furniture seat.	Window-cleaner's seat.
Gear operated seat.	Window seat.
Plug seat.	

Seat. I. Goldsmith. Des. 85,522; Nov. 10.
Seat. R. Hottel. 1,835,048; Dec. 8.
Seat. T. W. Ross. Des. 83,835; Mar. 31.
Seat. E. P. Sherman. 1,831,428; Nov. 10.
Seat. C. L. Weltner. 1,802,853; Apr. 28.
Seat, Adjustable. A. N. Thomas. 1,821,247; Sept. 1.
Seat adjuster, Vehicle. L. A. Wenn and W. K. Bishop. 1,822,427; Sept. 8.
Seat adjusting means for vehicles. G. Flintermann. 1,814,140; July 14.
Seat and back arrangement, Chair. W. S. Ferris. 1,800,516; Apr. 14.
Seat and back for vehicles, Combination rumble. E. A. Bundy. 1,796,081; Mar. 10.
Seat and couch bottom, Chair. J. Kronheim. 1,808,926; June 9.
Seat and cushion pack for parachute, Combined. J. W. Van Horn. 1,817,725; Aug. 4.
Seat and hand rest, Bath tub. H. E. Goodwin. 1,805,622; May 19.
Seat and lounge, Convertible ground. C. B. and V. C. Wainewright. 1,799,939; Apr. 7.
Seat and rest, Rumble. J. C. Scott. 1,816,937; Aug. 4.
Seat and support therefor, Toilet. G. W. Humphries. 1,830,361; Nov. 3.
Seat and the like, Closet. H. C. Leslie. 1,829,526; Oct. 27.
Seat attachment. A. G. Seedig. 1,806,026; May 19.
Seat back, Reclining. P. Cota. 1,811,917; June 30.
Seat-back-supporting apparatus. F. C. Bitzenburger. 1,793,045; Feb. 17.
Seat base, Reversing. E. F. Small. 1,826,532; Oct. 6.
Seat, bedding, cushion, and upholstery. H. A. Howard. 1,795,304; Mar. 10.
Seat construction. W. Marshall. 1,830,119; Nov. 3.
Seat construction, Automobile front. H. R. Graham. 1,836,321; Dec. 15.
Seat construction, Cushion. H. E. Wolf. 1,828,634; Oct. 20.
Seat construction, Rumble. G. A. Lemon. 1,806,692; May 26.
Seat construction, Tandem. C. A. van Pappelendam. 1,807,077; May 26.
Seat construction, Theatrical-. L. Chersana and G. Alvarez. 1,787,814; Jan. 6.
Seat, cushion and the like, Pneumatic. A. V. Mellano. 1,823,569; Sept. 15.
Seat enclosure, Collapsible rumble. J. M. Baker. 1,806,604; May 26.
Seat folding chair, Flexible. W. G. Grossman. 1,821,704; Sept. 1.
Seat for gas governors and the like, Valve. C. W. Quimby. 1,827,610; Oct. 13.
Seat for motor cars and the like, Sliding. G. E. Bovingdon. 1,824,193; Sept. 22.
Seat for stadiums and the like, Folding. E. I. Thompson. 1,814,497; July 14.
Seat for vehicles, Adjustable. G. Flintermann. 1,806,014; May 19.
Seat for vehicles, Spring. W. A. Murray, sr. 1,795,881; Mar. 10.
Seat for window cleaners, Protecting or safety. A. Zahn. 1,823,247; Sept. 15.
Seat frame. J. J. Schmitt. 1,802,280; Apr. 21.
Seat indicating system. W. J. King. 1,821,264; Sept. 1.
Seat or chair. C. R. Hultgren. 1,797,829; Mar. 24.
Seat or chair, Reversible. C. R. Hultgren. 1,803,063; Apr. 28.
Seat or chair, Reversible. C. R. Hultgren. 1,808,659; June 2.
Seat or cover hinge construction, Toilet. E. J. Nielsen. 1,830,330; Nov. 3.
Seat or the like, Lawn. O. U. Hofmann. Des. 83,160; Jan. 27.
Seat positioning device. L. O. Thompson. 1,807,579; May 26.
Seat structure, Automobile. D. Fabio. 1,788,088; Jan. 6.
Seat structure, Spring. D. H. Van Hove. 1,804,722; May 12.
Seat unit, Disappearing. J. W. Mowery. 1,801,681; Apr. 21.
Seat warmer. E. K. Lumpkin. 1,839,156; Dec. 29.
Seats, Adjustable structure for. E. G. Simpson and F. M. Edgar. 1,794,650; Mar. 3.
Seats and mattresses, Construction of spring. O. Hotter. 1,815,510; July 21.
Seats, Opening and closing device for rumble. V. F. Hitt and J. O. Evans. 1,797,144; Mar. 17.
Secondary rack. W. D. Kyle. 1,799,470; Apr. 7.
Section liner. E. Sessner. 1,832,112; Nov. 17.
Sections continuously severed from webs, Device for laying off. P. Gangler. 1,837,612; Dec. 22.
Sectional boiler. J. A. Waddell. 1,800,915; Apr. 14.
Sectional former. H. A. W. Wood. 1,809,954; June 16.
Sectional heater. J. A. Waddell. 1,808,391; June 2.
Sectional heating boiler. J. T. Ketchum. 1,821,648; Sept. 1.
Sectional rack, Knockdown. W. Raster. 1 809,602; June 9.
Sectional screen. P. N. Landine. 1,791,676; Feb. 10.
Sectional tubular tower. M. B. Schiller. 1,806,312; May 19.
Sectional boiler. C. H. Hook and N. L. Mercur. 1,818,396; Aug. 11.

Securing device. J. Sneed. 1,791,644; Feb. 10.
Securing device for carpets. J. T. Campbell, jr. 1,826,988; Oct. 13.
Securing device for hub caps. J. H. Hunt. 1,817,194; Aug. 4.
Securing element. A. H. Jones. 1,829,657; Oct. 27.
Securing means for car tank dome closures. J. Beyer. 1,827,454; Oct. 13.
Securing means for laboratory or workshop apparatus. L. D. J. A. Dunoyer. 1,816,723; July 28.
Securing the heads of hammers, picks, axes, and similar tools. A. W. Rogers. 1,812,375; June 30.
Sedan body, Pressed metal. J. Ledwinka. 1,825,322; Sept. 29.
Sediment remover. J. W. Rose and A. Costa. 1,796,478; Mar. 17.
Sedimentation apparatus. B. E. Dutton. 1,787,437; Jan. 6.
Seed blocks, Manufacture of. B. Holm-Hansen. 1,831,176; Nov. 10.
Seed broadcaster. F. E. Welsh and J. E. Diefenderfer. 1,797,112; Mar. 17.
Seed celling machine. J. Musselman. 1,825,470; Sept. 29.
Seed cleaner and grader. F. O. Taylor. 1,833,447; Nov. 24.
Seed drill. G. J. Miller. 1,826,560; Oct 6.
Seed, Emanation. A. Cervi. 1,823,239; Sept. 15.
Seed planting device or the like. J. S. Madderra. 1,830,283; Nov. 3.
Seed potato cutter. T. Samson. 1,805,376; May 12.
Seed-treating machine. C. C. Calkins. 1,788,617; Jan. 13.
Seed treating machine. W. E. Ghent. 1,837,321; Dec. 22.
Seeder, packer and pulverizer, Combined. C. A. Duncan and T. W. Morefield. 1,804,862; May 12.
Seeding machines, Disk furrow opener for. H. H. Cowell. 1,838,476; Dec. 29.
Seeding machines, Operating device for. T. Brennan. 1,789,617; Jan. 20.
Segment for use in grinding wheels. F. E. Stratton. 1,794,992; Mar. 3.
Segmental brake, Multiplying. P. Bastien. Re18,024; Apr. 7.
Seismic waves, Recording. H. G. Taylor. 1,799,398; Apr. 7.
Seismological research. A. N. Stanton. 1,790,080; Jan. 27.
Seismometer. W. O. Snelling and G. A. Rupp. 1,825,554; Sept. 29.
Seismometer. H. G. Taylor. 1,789,055; Jan. 13.
Selecting apparatus. C. W. Swan. 1,821,124; Sept. 1.
Selecting system. A. Buyko. 1,801,657; Apr. 21.
Selective display. C. B. Philibert. 1,830,960; Nov. 10.
Selective mechanism. R. Emery. 1,808,597–8; June 2.
Selective mechanism, Power drive. R. A. Crooks. 1,826,742; Oct. 13.
Selective system and apparatus. E. E. Kleinschmidt. 1,811,131; June 23.
Selective system and apparatus. S. Morton and H. L. Krum. 1,821,109; Sept. 1.
Selective system and apparatus therefor. E. E. Kleinschmidt. 1,811,132; June 23.
Selector. D. L. Lienzén. 1,825,911; Oct. 6.
Selector mechanism. H. A. Yeider. 1,827,130; Oct. 13.
Selector switch. J. I. Bellamy. 1,787,771; Jan. 6.
Selenium cell. H. Thirring. 1,790,850; Feb. 3.
Selenium cell door closer. L. J. Kinnard and J. Dunlop. 1,822,152; Sept. 8.
Self adjusting brake. F. Hunyady. 1,804,012; May 5.
Self-adjusting roller. R. G. Le Tourneau. 1,794,696; Mar. 3.
Self-basting roaster. E. C. Ballman. 1,789,349; Jan. 20.
Self cleaning rake. C. Bruck. 1,832,358; Nov. 17.
Self clearing rake. I. C. Klinger. 1,826,793; Oct. 13.
Self-sealing jar. A. M. Anderson. 1,791,259; Feb. 3.
Self-serving table. H. Hinton. 1,797,828; Mar. 24.
Self starting motor, Synchronous. J. W. Hansen, W. L. Hansen, and I. N. Hurst. 1,823,601; Sept. 15.
Selvage trimming mechanism. H. H. Burdett. 1,819,540; Aug. 18.
Semielliptic spring, Graduated. W. S. Adams. 1,804,300; May 5.
Semi-flash boiler. C. A. French. 1,806,677; May 26.
Semisleeve valve motor. J. H. Coyne. Re18,097; June 16.
Semistop joint for fluid filled cables. E. D. Eby. 1,819,881; Aug. 18.
Semitrailer. A. B. Cadman. 1,800,006; Apr. 7.
Sensitivity, Determining. M. Ferris. 1,793,601; Feb. 24.
Sensitized material pack. G. L. Taylor. 1,794,426; Mar. 3.
Sensitometer. E. W. Gent. 1,832,294; Nov. 17.
Separable die. J. Le May. 1,837,452; Dec. 22.
Separable joint. C. E. Bowers. 1,791,750; Feb. 10.
Separable key. T. A. Makranczy. 1,807,540; May 26.
Separating adhering particles. G. H. Buchanan. 1,806,888; May 26.
Separating apparatus. T. and J. R. Ray. 1,817,207; Aug. 4.
Separating apparatus, Centrifugal. H. L. Mills. 1,810,922; June 23.
Separation apparatus for food remnants. R. E. Weber. 1,822,469; Sept. 8.
Separation method and apparatus. B. A. Miller. 1,818,640; Aug. 11.
Separator: *See*—

Air separator.	Gas and liquid separator.
Catchall and entrainment separator.	Grain separator.
Centrifugal separator.	Impact separator.
Coin separator.	Liquid and gas separator.
Conveyer separator.	Magnetic separator.
Cream separator.	Oil and gas separator.
Dry air separator.	Oil and water separator.
Dry separator.	Oil separator.
Dust and soot separator.	Ore separator.
Dust separator.	Pneumatic separator.
Egg separator.	Rotary separator.
Electric separator	Smoke separator.
Fabric separator.	Steam separator.
Flax separator.	Stock separator.
Floor separator.	Tooth separator.
Fluid separator.	Yarn separator.

Separator. R. C. Aland. 1,825,990; Oct. 6.
Separator. D. C. Baker. 1,817,338; Aug. 4.
Separator. G. D. Francisco. 1,798,978; Mar. 31.
Separator. G. H. Fraser. 1,834,095; Dec. 1.
Separator. E. W. McCullough. 1,812,108; June 30.
Separator. G. W. McFarlane, jr. 1,795,958; Mar. 10.
Separator. W. T. Powers. 1,813,637; July 7.
Separator. V. A. Rohlin. 1,823,470; Sept. 15.
Separator. F. Schilling and C. H. Kircoaf. 1,829,544; Oct. 27.
Separator. P. B. Shee. 1,791,250; Feb. 3.
Separator. P. B. Shee. 1,817,464–5; Aug. 4.
Separator and conveyer, Sheet. A. J. Freeman. 1,794,843; Mar. 3.
Separator and reclaimer, Oil. M. J. Binkley. 1,793,460; Feb. 24.
Separator and spacer for storage batteries. C. W. Terry. 1,807,609; June 2.
Separator and vaporizer for internal combustion engines. G. Hamilton-Grapes. 1,830,360; Nov. 3.
Separator baffle, Oil and gas. J. P. Walker. 1,789,717; Jan. 20.
Separator for cocoa powder, Wind. R. G. Neumann. 1,826,086; Oct. 6.
Separator for oil wells, Gas and liquid. L. C. Duggan. 1,788,990; Jan. 13.
Separator for packing flowers and the like, Adjustable. C. W. Slack. 1,833,441; Nov. 24.
Separator for pneumatic dispatch system. J. A. Bauer. 1,791,460; Feb. 3.
Separator for pulverizing mills, Pneumatic. W. L. and H. L. McLaughlin. 1,797,434; Mar. 24.
Separator for spinning machine twisters. A. E. Jury. 1,833,023; Nov. 24.
Separator plate. A. S. Behrman. Re18,214; Sept. 29.
Separators in vacuum distillation, Use of entrainment. A. C. Spencer. 1,791,940; Feb. 10.
Separators, Supply device for centrifugal liquid. J. McC. Edwards. 1,794,452; Mar. 3.
Septic tank. A. W. Goulding. 1,812,401; June 30.
Septic tank. I. Gutman. 1,810,474; June 16.
Septic tank. J. G. Laubheimer. 1,807,296; May 26.
Septic tank. C. H. Rymal. 1,797,697; Mar. 24.
Service apparatus. T. N. Deligianes and A. A. Bourdes. 1,837,149; Dec. 15.
Service device. H. G. Zoia. 1,800,491; Apr. 14.
Service entrance. J. C. Boyton. 1,819,985; Aug. 18.
Service jack, Curb hydraulic and general garage. L. D. Nilson. 1,819,378; Aug. 18.
Service runway. R. E. Manley. 1,817,997; Aug. 11.
Service station. S. I. Esses and E. I. Esses. 1,817,679; Aug. 4.
Service station. G. L. Rosebrook. Des. 84,755; July 28.
Serving device for a portion of a citrous fruit. W. A. H. Wells. Des. 85,796; Dec. 15.
Servo brake. F. Athimon. 1,816,067; July 28.
Servo-brake. P. Hallot. 1,810,763; June 16.
Servo brake. H. Pieper. 1,819,971; Aug. 18.
Servo-brake for motor vehicles. V. Valletta. 1,797,811; Mar. 24.
Servo-motor for braking vehicles. F. L. Broussouse and P. J. Leboucher. 1,831,737; Nov. 10.
Set and container therefor, Tool. W. F. Costello. 1,826,739; Oct. 13.
Set checker. J. C. Hoover. 1,805,094; May 12.
Set or scenery. E. I. Sponable. 1,795,742; Mar. 10.
Settee, Canopy. O. R. Platter. Des. 83,569; Mar. 3.
Settee with reading and writing attachments. E. O. Klemm. Des. 84,147; May 12.
Setter, Brick. W. W. Wallace. 1,820,332; Aug. 25.
Setting fork, Frequency-. A. M. Curtis. 1,792,630; Feb. 17.
Setting machine, Automatic. W. Pearsall. 1,791,373; Feb. 3.
Setting mechanism for pumps. E. E. Eickmeyer. 1,813,347; July 7.
Setting out board. W. C. Johnson. 1,808,306; June 2.
Setting-up mechanism. E. H. Lorenz and J. E. Schroder. 1,815,009; July 14.
Settling and evaporating tank. C. E. Chandler. 1,809,674; June 9.
Settling apparatus. H. S. Rumsey. 1,817,649; Aug. 4.
Settling tank J. Schulte. 1,825,550; Sept 29.
Settling tank. H. S. Walker. 1,828,794; Oct. 27.

Setworks. G. M. Pelton. 1,810,029; June 16.
Sewage by the activated-sludge process, Method and plant for treating. J. C. Dallas and M. Wilson. 1,790,975; Feb. 3.
Sewage-disposal apparatus. G. R. Roddy. 1,795,143; Mar. 3.
Sewage-disposal apparatus. W. W. Sayers and M. B. Tark. 1,799,150; Apr. 7.
Sewage disposal apparatus. P. S. Wickerham. 1,837,002; Dec. 15.
Sewage, or other organic matters, Process and apparatus for treating. A. T. Maltby. 1,811,181; June 23.
Sewage solids, Increasing the rate of anaerobic digestion of. W. Rudolfs. 1,797,157; Mar. 17.
Sewage, Treating. W. Rudolfs. 1,797,879; Mar. 24.
Sewage treatment. W. R. Borst. 1,805,682; May 19.
Sewage treatment. A. M. Buswell. 1,838,475; Dec. 29.
Sewage treatment. A. M. Buswell and S. L. Neave. 1,838,474; Dec. 29.
Sewage treatment. K. Imhoff. 1,820,976; Sept. 1.
Sewage treatment, Digestion of coarse substances left on sewage screens in the. K. Imhoff. 1,820,978; Sept. 1.
Sewage treatment plant with submerged contact aerators, Complete. K. Imhoff. 1,820,977; Sept. 1.
Sewer catch basin unit. I. C. Palmer. 1,830,713–14; Nov. 3.
Sewer cleaner. J. Arbosuckos. 1,832,957; Nov. 24.
Sewer cleaning device. F. Homolya. 1,823,144; Sept. 15.
Sewer construction. G. F. Egan. 1,793,599; Feb. 24.
Sewer-flooding-control device. W. E. Hardacker and E. L. Hessel. 1,799,849; Apr. 7.
Sewer inlet. E. H. Paffrath. 1,810,572; June 16.
Sewer pipe. C. H. Currie. 1,834,603; Dec. 1.
Sewer pipe. T. C. Hutson. 1,787,907; Jan. 6.
Sewerage distributing pipe. D. Craig. 1,832,967; Nov. 24.
Sewers, Apparatus for opening clogged. P. A. Fuchs. 1,801,497; Apr. 21.
Sewing apparatus, Gang. J. F. Gail. 1,813,489; July 7.
Sewing box. Z. Wallas. Des. 85,898; Dec. 29.
Sewing implement and pin holder, Combined. C. Babbitt. Des. 84,669; July 21.
Sewing machine. F. Ashworth. 1,824,063; Sept. 22.
Sewing machine. F. Ashworth. 1,838,088; Dec. 29.
Sewing machine. A. F. Carlson. 1,787,928; Jan. 6.
Sewing machine. A. F. Carlson. 1,797,822; Mar. 24.
Sewing machine. A. B. Fowler. 1,814,550; July 14.
Sewing machine. F. J. Kaufmann. 1,802,430; Apr. 28.
Sewing machine. K. Klein. 1,828,115; Oct. 20.
Sewing machine. A. W. Konchan. 1,836,760; Dec. 15.
Sewing machine. B. T. Leveque. 1,815,307; July 21.
Sewing machine. B. T. Leveque. 1,833,366; Nov. 24.
Sewing machine. G. M. Lewis. 1,796,111; Mar. 10.
Sewing machine. J. R. Moffatt and R. S. Kelso. 1,789,249; Jan. 13.
Sewing machine. A. R. Morrill. 1,789,534; Jan. 20.
Sewing machine. C. W. Mueller. 1,791,220; Feb. 3.
Sewing machine. W. Myers. 1,825,634; Sept. 29.
Sewing machine. E. J. Ray. 1,820,829; Aug. 25.
Sewing machine. L. M. Schoonmaker. 1,793,642; Feb. 24.
Sewing machine. M. M. Schrago. 1,809,148; June 9.
Sewing machine. C. J. Schuepbach. 1,800,409; Apr. 14.
Sewing machine. H. M. Stephenson. 1,794,255; Feb. 24.
Sewing machine. C. S. Thompson and W. B. Long. 1,789,202; Jan. 13.
Sewing machine. H. Weisner. 1,828,886; Oct. 27.
Sewing machine. E. E. Winkley. 1,827,378; Oct. 13.
Sewing machine. A. J. Wohlpart. 1,792,722; Feb. 17.
Sewing machine and the like. F. W. Merrick. 1,823,059; Sept. 15.
Sewing-machine attachment. H. M. Eaton. 1,797,762; Mar. 24.
Sewing machine attachment. S. and H. L. Halberg. 1,828,966; Oct. 27.
Sewing machine attachment. G. C. Hohein. 1,806,252; May 19.
Sewing-machine attachment. L. Rocke. 1,793,334; Feb. 17.
Sewing-machine attachment. A. Little. 1,790,351; Jan. 27.
Sewing machine attachment for mending runs in sheer fabrics. L. Goodman and D. L. Friedman. 1,819,161; Aug. 18.
Sewing machine attachment for sewing eye tape. D. Silberman. 1,830,917; Nov. 10.
Sewing machine attachment for sewing on buttons. F. Otto. 1,824,564; Sept. 22.
Sewing machine, Blindstitch. K. Maier and F. Lutz. 1,825,642; Sept. 29.
Sewing machine, Blind stitch. J. L. O'Brien. 1,835,959; Dec. 8.
Sewing machine, Blindstitch. A. Strobel. 1,828,789; Oct. 27.
Sewing machine, Book-. R. E. Ackley. 1,788,968; Jan. 13.
Sewing machine, Button. A. Ericsson. 1,812,327; June 30.
Sewing machine, Buttonhole. E. B. Allen. 1,807,377; May 26.
Sewing machine, Buttonhole. A. F. Carlson. 1,805,205; May 12.
Sewing machine, Buttonhole. J. Kiewicz 1,827,696; Oct. 13.
Sewing machine, Buttonhole. B. T. Leveque. 1,791,966; Feb. 10.
Sewing machine, Elastic strip attachment for. A. H. Weis. 1,816,627; July 28.
Sewing machine, Electric. J. M. Naul. 1,806,489; May 19.
Sewing machine, Electrically-driven. C. W. H'Doubler. 1,813,290; July 7.
Sewing machine feeding mechanism. A. A. Merritt. 1,837,468; Dec. 22.
Sewing machine, Feed-off-the-arm. N. V. Christensen. Re17,988; Mar. 3.
Sewing machine, Feed-off-the-arm. W. M. Hanneman. 1,827,577; Oct. 13.
Sewing machine, Flat seam. A. S. Riviere and C. F. Rubel. 1,827,613; Oct. 13.
Sewing machine for joining edge portions of fabric sections. K. Maier and F. Lutz. 1,825,597; Sept. 29.
Sewing machine frame. W. Hopper. Des. 85,433; Oct. 27.
Sewing machine frame. W. Hopper. Des. 85,435; Oct. 27.
Sewing machine, Hand. R. E. Cahill and J. Caterini. 1,809,192; June 9.
Sewing machine, Lockstitch. B. T. Leveques. 1,827,321; Oct. 13.
Sewing machine, Lock-stitch shoe. O. L. Lawson. 1,814,562; July 14.
Sewing machine loop taker mechanism. W. N. Parkes. 1,809,391; June 9.
Sewing-machine loop takers, Bobbin-retaining device for. W. N. Parkes. 1,792,238; Feb. 10.
Sewing-machine-motor controller. D. H. Chason. 1,792,816–18; Feb. 17.
Sewing machine of the zigzag type, Chain-stitch. F. Ebert. 1,792,578; Feb. 17.
Sewing machine, Overedge. K. Maier. 1,810,617; June 16.
Sewing machine, Overedging. E. Häussler. 1,825,454; Sept. 29.
Sewing machine, Portable. B. E. Thompson. 1,822,116; Sept. 8.
Sewing machine, Powder puff. R. Bihler. 1,808,805; June 9.
Sewing machine, Powder-puff-. J. P. Weis. 1,788,417; Jan. 13.
Sewing machine ruffler. H. Maashoff and G. W. Pratt. 1,830,398; Nov. 3.
Sewing machine ruffling mechanism. A. B. Clayton. 1,819,278; Aug. 18.
Sewing machine, Upside down. J. P. Weis. 1,816,626; July 28.
Sewing machine, Whip stitch. E. Müller. 1,837,917; Dec. 22.
Sewing machine work support. W. Myers. 1 809,390; June 9.
Sewing machine, Zigzag stitch. W. Myers. 1,830,126; Nov. 3.
Sewing machines, Annular take-up for. J. R. Moffatt. 1,801,360; Apr. 21.
Sewing machines, Attachment for. R. S. Kelso. 1,790,100; Jan. 27.
Sewing machines, Attachment for. E. J. Ray. 1,820,830; Aug. 25.
Sewing machines, Attachment for. C. Seaman. 1,830,177; Nov. 3.
Sewing machines, Automatic stop for. L. Roseman. 1,803,978; May 5.
Sewing machines, Bed structure for. F. Lutz. 1,809,941; June 16.
Sewing machines, Button hole attachment for. A. A. Bohmann and K. Scheibel. 1,802,551; Apr. 28.
Sewing machines, Cover plate for. C. W. Mueller. 1,834,633; Dec. 1.
Sewing machines, Cutting mechanism for. H. C. Fischer. 1,794,282; Feb. 24.
Sewing machines, Driving and stopping mechanism for. W. B. Long and P. B. Clark. 1,802,434; Apr. 28.
Sewing machines, Fastener tape feeding and control means for. L. Roseman. 1,801,570; Apr. 21.
Sewing machines, Feeding mechanism for. F. Lutz. 1,790,386; Jan. 27.
Sewing machines, Feeding mechanism for. C. W. Mueller 1,812,895; July 7.
Sewing machines, Feeding mechanism for. A. J. Wohlpart. 1,817,727; Aug. 4.
Sewing machines for the manufacture of piping, Attachment for. A. Auerbach. 1,836,742; Dec. 15.
Sewing machines, Hem folder for. R. J. Sailer. 1,823,954; Sept. 22.
Sewing machines, Hemstitch attachment for. S. J Rounds. 1,801,386; Apr. 21.
Sewing machines, Hemstitch attachment for. V. J. Sigoda. 1,828,879; Oct. 27.
Sewing machines, Loop retainer for. A. Ericsson. 1,825,513; Sept. 29.
Sewing machines, Loop-spreader. R. Becker. 1,788,008. Jan. 6.
Sewing machines, Looper mechanism for. J. Berger 1,792,353; Feb. 10.
Sewing machines, Looper operating mechanism for. J. F Palme. 1,823,506; Sept. 15.
Sewing machines, Lubrication of. H. J. Goosman 1,830,104; Nov. 3.
Sewing machines, Mender attachment for. M. M. Fones 1,826,610; Oct. 6.

Sewing machine, Multicolor thread. C. A. Dickey. 1,822,765; Sept. 8.
Sewing machines, Needle guard for. A. Lavoie. 1,794,779; Mar. 3.
Sewing machines, Needle loader for. M. W. Howard. 1,804,618; May 12.
Sewing machines, Oil collector for. C. F. Rubel and E. E. Gratsch. 1,812,377; June 30.
Sewing machines, Presser device for. R. Becker. 1,803,930; May 5.
Sewing machines, Presser foot for. J. R. Moffatt. 1,793,372; Feb. 17.
Sewing machines, Ribbon shirring device for. T. O'Neill. 1,823,505; Sept. 15.
Sewing machines, Roller-presser mechanism for. E. W. Johnson. 1,823,546; Sept. 15.
Sewing machines, Safety device for. E. B. Allen. 1,822,854; Sept. 8.
Sewing machines, Spool holder for fur-. H. Ross. 1,795,043; Mar. 3.
Sewing machines, Stocking guiding device for use with. H. Corrall and J. Heggie. 1,826,694; Oct. 6.
Sewing machines, Stop-device for. R. M. Smith. 1,834,430; Dec. 1.
Sewing machines, Stop-motion device for. W. Myers. 1,791,322; Feb. 3.
Sewing machines, Strip guide for. K. Maier. 1,827,596; Oct. 13.
Sewing machines, Support for feed-off-the-arm. N. V. Christensen. 1,792,361; Feb. 10.
Sewing machines, Take off mechanism for. B. T. Leveque. 1,829,227; Oct. 27.
Sewing machines, Tension release for. N. V. Christensen. 1,823,817; Sept. 15.
Sewing machines, Tension-releasing mechanism for. J. R. Moffatt and R. S. Kelso. 1,792,387; Feb. 10.
Sewing machines, Thread-controlling device for. F. W. Merrick. 1,790,591; Jan. 27.
Sewing machines, Thread controlling mechanism for. J. Berger. 1,836,895; Dec. 15.
Sewing machines, Thread-cutter operating mechanism for. E. B. Allen. 1,822,639; Sept. 8.
Sewing machines, Thread cutting mechanism for. E. B. Allen. 1,816,308; July 28.
Sewing machines, Thread pull up for. R. E. Pierce. 1,808,506; June 2.
Sewing machines, Thread trimmer for. J. Kiewicz. 1,820,569; Aug. 25.
Sewing machines, Throat plate for. K. Maier. 1,795,373; Mar. 10.
Sewing machines, Tucking attachment for. G. W. Johnson and H. C. Truslow. 1,789,704; Jan. 20.
Sewing machines, Tufting attachment mechanism for. J. M. Gladish. 1,800,522; Apr. 14.
Sewing machines, Work guiding means for. R. J. Sailer. 1,828,722; Oct. 20.
Sewing mechanism. F. N. Ross and H. M. Ratley. 1,827,694; Oct. 13.
Sewing screen. E. G. Zizelman. 1,808,704; June 2.
Shackle, Adjustable. O. R. Billingsley. 1,796,235; Mar. 10.
Shackle and bearing therefor. G. H. Hufferd. 1,794,899; Mar. 3.
Shackle and producing the same, Rubber spring. V. Hughes. 1,827,234; Oct. 13.
Shackle jack. H. W. Zimmerman. 1,832,606; Nov. 17.
Shackle jimmy. H. W. Zimmerman. 1,810,513; June 16.
Shackle, Latch. E. Allen. 1,787,926; Jan. 6.
Shackle or hanger for springs, Self oiling. C. E. Furgason. 1,801,732; Apr. 21.
Shackle release for vehicles. A. D. Surwald. 1,799,396; Apr. 7.
Shackle, Rubber. H. D. Geyer. 1,817,436; Aug. 4.
Shackle, Rubber cushion. H. Ihrig. 1,826,400; Oct. 6.
Shackle, Rubber cushioned, spring. N. L. Dootson. 1,827,284; Oct. 13.
Shackle, Rubber, Spring. R. H. Chilton. 1,789,725; Jan. 20.
Shackle, Rubber spring. R. H. Chilton. 1,792,070; Feb. 10.
Shackle, Rubber spring. A. J. Jansson. 1,792,842; Feb. 17.
Shackle, Rubber spring. A. J. Jansson. 1,825,352; Sept. 29.
Shackle, Rubber spring. C. R. Short. 1,827,268; Oct. 13.
Shackle, Spring. R. H. Chilton. 1,789,727; Jan. 20.
Shackle, Spring. H. G. Trench. 1,792,783; Feb. 17.
Shackle, Universal pivotal spring. N. Skillman. 1,801,615; Apr. 21.
Shade. J. B. Ellis. 1,791,162; Feb. 3.
Shade. R. E. Ellis. 1,804,864; May 12.
Shade. C. M. Eveleth. 1,805,941; May 19.
Shade. M. Vivier. 1,803,372; May 5.
Shade, Adjustable. R. M. Meunier. 1,804,634; May 12.
Shade, Adjustable lamp. H. M. Koenig. 1,801,010; Apr. 14.
Shade adjuster, Window-. L. E. Toivonen. 1,796,971; Mar. 17.
Shade and awning structure for automobile doors, Combined. J. S. Barganier. 1,793,731; Feb. 24.
Shade and awning, Window. C. E. Hendrix. 1,830,737; Nov. 3.
Shade and curtain bracket, Window. L. Bruno. 1,812,429; June 30.
Shade and curtain fixture. J. Owslak. 1,817,460; Aug. 4.
Shade and curtain hanger. A. B. Wendel. 1,814,066; July 14.
Shade and/or fittings, Electric lamp. S. W. Hamlyn. 1,806,852; May 26.
Shade and roller therefor, Adjustable. H. Stacks. 1,791,647; Feb. 10.
Shade and rollers therefor, Safety. L. Alewel. 1,796,426; Mar. 17.
Shade and securing means, Reversible window. M. E. Murphy. 1,795,261; Mar. 3.
Shade and shade-roller mounting, Combination adjustable. R. Saa. 1,796,897; Mar. 17.
Shade and shutter with automatic locking means, Combination. H. Krueger. 1,810,771; June 16.
Shade and support therefor, Lamp. E. J. Smith. 1,805,193; May 12.
Shade apparatus. I. Goldburg. 1,815,769; July 21.
Shade, Automobile. G. L. Walton. 1,799,267; Apr. 7.
Shade bracket. W. McKinley. 1,836,483; Dec. 15.
Shade bracket, Detachable ventilating. G. Anderson. 1,810,099; June 16.
Shade bracket, Window. J. H. Boss. 1,820,646; Aug. 25.
Shade bracket, Window. E. Reukauf, jr. 1,819,920; Aug. 18.
Shade bracket, Window. D. Vaccaro. 1,809,650; June 9.
Shade construction, Dark room. H. W. Dunn. 1,815,551; July 21.
Shade controlling apparatus. W. J. Huebner. 1,811,631; June 23.
Shade, Detachable window. A. Williams. 1,813,980; July 14.
Shade, Electric lamp. L. W. Andersen. 1,801,991; Apr. 21.
Shade, Eye. S. W. and E. S. Smith. 1,794,927; Mar. 3.
Shade fitting, Window. M. E. Moore. 1,838,320; Dec. 29.
Shade fixture, Lamp-. J. D. Kevorkian. 1,796,464; Mar. 17.
Shade fixture, Window. C. Muentener. 1,801,682; Apr. 21.
Shade for a lighting fixture or article of similar nature, Glass. H. Bohl. Des. 84,070; May 5.
Shade for an electric lamp. G. E. McFadden. Des. 83,986–7; Apr. 21.
Shade for an electric lamp. G. E. McFadden. Des. 84,199; May 19.
Shade for an electric light fixture. G. E. McFadden. Des. 85,254–6; Sept. 29.
Shade for automobiles, Glare. A. F. Schlais. 1,805,419; May 12.
Shade for use in playing golf, Eye. P. T. Prichard. 1,829,538; Oct. 27.
Shade, Glare. W. A. Simmons. 1,835,187; Dec. 8.
Shade, Glare. F. Smith. 1,795,184; Mar. 3.
Shade-holding device. A. P. Leinen. 1,796,848; Mar. 17.
Shade, Lamp. C. T. Brady. Des. 83,949; Apr. 21.
Shade, Lamp. H. R. Durinick, 1,789,645; Jan. 20.
Shade, Lamp. S. Goldfinger. 1,812,783; June 30.
Shade, Lamp. H. M. Greist and H. F. Thurber. Des. 84,739; July 28.
Shade, Lamp. P. Hauenstein. 1,791,206; Feb. 3.
Shade, Lamp. J. Malicher. 1,797,689; Mar. 24.
Shade, Lamp. G. E. McFadden. Des. 83,988; Apr. 21.
Shade, lamp. L. E. Oglin. Des. 85,620; Nov. 24.
Shade, Lamp. M. Russo. Des. 85,841; Dec. 22.
Shade, lamp. L. S. Seelig. Des. 84,797; Aug. 4.
Shade, Lantern type lamp. G. E. McFadden. Des. 83,989; Apr. 21.
Shade, Lens. T. E. Halldorson. 1,796,456; Mar. 17.
Shade mechanism, Window. E. Reukauf, jr. 1,820,831; Aug. 25.
Shade operating device for motor cars. J. V. W. Phillips. 1,814,455; July 14.
Shade operating device, Window. J. M. Divinia. 1,829,853; Nov. 3.
Shade operating device, Window. O. W. Lee. 1,824,673; Sept. 22.
Shade or article of similar nature, Lighting fixture. G. E. Villaret. Des. 84,386; June 9.
Shade or article of similar nature, Lighting-fixture. W. von Nessen. Des. 83,295; Feb. 10.
Shade or reflector. H. Aglow. Des. 85,313; Oct. 13.
Shade or reflector. L. L. Farrar. Des. 85,864; Dec. 29.
Shade or similar article, Lamp. H. Rithner. Des. 84,104; May 5.
Shade or similar article, Light. N. Kopp. Des. 85,049; Sept. 8.
Shade or the like, Lighting-fixture glass. G. E. McFadden. Des. 83,262–5; Feb. 10.
Shade or the like, Lighting-fixture glass. G. E. McFadden. Des. 83,270; Feb. 10.
Shade protector, Window. M. McAnaney. 1,789,764; Jan. 20.
Shade roller. W. Kampas. 1,807,535; May 26.
Shade roller. C. F. Schmelz. 1,806,650; May 26.
Shade roller. J. K. Tomlinson. 1,827,444; Oct. 13.
Shade roller. G. J. Wright. 1,821,045; Sept. 1.
Shade roller bracket, Adjustable. J. T. Palladino. 1,805,995; May 19.
Shade-roller housing and curtain hanger, Swiveling. F. A. Smith. 1,792,660; Feb. 17.
Shade roller, Window-. W. H. Laraway. 1,792,846; Feb. 17.
Shade-securing device, Lamp-. W. C. H. Klopp. 1,799,561; Apr. 7.

Shade structure, Incandescent bulb. W. A. Ames. 1,830,687; Nov. 3.
Shade support, Clamping lamp-. F. J. Murphy. 1,790,877; Feb. 3.
Shade trimmer, Window. H. E. Morrow. 1,808,859; June 9.
Shade, Ventilated window and porch. K. H. Whitney. 1,827,718; Oct. 13.
Shade, Window. C. N. Boehm. 1,810,899; June 23.
Shade, Window. C. D. Carver. 1,789,724; Jan. 20.
Shade, Window. S. J. Johnson. 1,807,533; May 26.
Shade, Window. J. B. Olsen. 1,793,822; Feb. 24.
Shade, Window. P. Rainsford. 1,805,372; May 12.
Shade, Window. W. Senior. 1,820,503; Aug. 25.
Shade, Wood splint. L. J. Steffen. 1,829,617; Oct. 27.
Shades and window shade sticks, Roller for window. L. Fromona. 1,809,779; June 9.
Shades, Supporting and equilibrating lamp. J. E. Bolling. 1,811,683; June 23.
Shaft and gear, Separable. W. H. Schulze. 1,803,136; Apr. 28.
Shaft and making same, Sheet metal. C. A. Frahm and E. W. Riemenschneider. Re18,272; Dec. 8.
Shaft, Collapsible winding. F. E. Langdon. 1,811,237; June 23.
Shaft connection, Flexible. S. C. Hatfield. 1,802,148; Apr. 21.
Shaft coupling. A Alsaker and M. Stene. 1,831,836; Nov. 17.
Shaft coupling. T. H. Banfield. 1,819,859; Aug. 18.
Shaft coupling. K. E. Blum. 1,823,251; Sept. 15.
Shaft coupling. A. F. Froussard. 1,802,342; Apr. 28.
Shaft coupling. A. F. Froussard. 1,834,521; Dec. 1.
Shaft coupling. J. E. Lederman. 1,814,836; July 14.
Shaft coupling. H. H. Vaughan and W. G. Cumming. 1,809,085; June 9.
Shaft coupling, Flexible. T. C. Dobbins. 1,812,141; June 30.
Shaft coupling, Flexible. F. A. Ross. 1,796,624; Mar. 17.
Shaft flange, Bull wheel. J. Proper. 1,811,966; June 30.
Shaft, Flexible. B. Granville. 1,817,000; Aug. 4.
Shaft keying device. D. C. Maier. 1,804,699; May 12.
Shaft, Mechanically synchronized. G. Kende. 1,819,819; Aug. 18.
Shaft positioning device. J. A. Wintroath. 1,814,537; July 14.
Shaft sealing device. E. H. Steedman. 1,810,582; June 16.
Shaft, Sheet metal. C. A. Frahm and E. W. Riemenschneider. Re18,258; Nov. 24.
Shaft, Sheet-metal. C. A. Frahm and E. W. Riemenschneider. 1,789,972; Jan. 27.
Shaft-straightening machine. M. H. Damerell. 1,791,524; Feb. 10.
Shaft wrapping machine. P. Okey. 1,807,869; June 2.
Shafting, Mechanism and process for fabricating flexible. R. C. Angell. Re18,142; Aug. 4.
Shafts, Arm or lever connecting device for. W. C. Carter. 1,792,729; Feb. 17.
Shafts, Finishing spline. C. L. Lee and C. H. Sterling. 1,815,626; July 21.
Shake-out apparatus. V. J. Davis. 1,817,613; Aug. 4.
Shaker arm. R. F. Darby. 1,834,685; Dec. 1.
Shaker, Combined salt and pepper. W. W. C. Carson. 1,835,375; Dec. 8.
Shaker, Condiment. C. S. Olson. 1,833,851; Nov. 24.
Shaker, etc., Salt. M. J. McRae. 1,820,817; Aug. 25.
Shaker machine with automatic mold transport for shaking down chocolate or similar masses in the molds. G. Gäbel. 1,819,888; Aug. 18.
Shaker mechanism. R. C. U. Vessot. 1,788,001; Jan. 6.
Shaper mechanism for winding yarn on weft bobbins in spinning mules. F. C. Firth, S. Jessop, and C. T. Tattersfield. 1,804,866; May 12.
Shaker screen. E. L. Rigdon and J. S. Risley. 1,798,433; Mar. 31.
Shaking screen. W. L. Wettlaufer. 1,832,518; Nov. 17.
Shale distillation. M. J. Trumble. 1,836,051; Dec. 15.
Shampoo board. T. E. Reynolds. 1,837,291; Dec. 22.
Shampooing appliance for hairdressers' chairs. W. Fritsch. 1,802,890; Apr. 28.
Shank holding clamp, Scythe blade. J. M. Wilkinson. 1,834,192; Dec. 1.
Shanks, Method of and machine for forming close. A. Eppler. 1,792,531; Feb. 17.
Shaper feed, Cam controlled. W. F. Zimmerman. 1,830,309; Nov. 3.
Shaper feeding device, Automatic. H. C. Morris. 1,836,036; Dec. 15.
Shapes from sheet metal, Apparatus for punching. J. M. Hothersall. 1,816,150; July 28.
Shaping arrangement for metallic telegraph circuits. R. V. Morgenstern and G. L. Erickson. 1,832,722; Nov. 17.
Shaping machine. R. L. Carter. 1,801,035; Apr. 14.
Shaping machine. E. S. Roe. 1,835,528; Dec. 8.
Sharpener and holder, Pencil. J. A. Larson. 1,807,245; May 26.
Sharpener attachment, Lawn mower. I. A. Shanton. 1,804,439; May 12.
Sharpener, Automatic. D. S. Anthony. 1,827,965; Oct. 20.
Sharpener, Automatic disk. J. Klockner and E. E. Thomas. 1,826,517; Oct. 6.
Sharpener, Automatic disk. P. Krug. 1,804,347; May 5.
Sharpener, Blade. H. W. Knott. 1,790,754; Feb. 3.
Sharpener, Blade. W. B. Woodward. 1,806,437; May 19.
Sharpener, Clipper. H. M. Bennett and S. J. Boman. 1,824,531; Sept. 22.
Sharpener, Cutlery. D. C. Conyngham. 1,801,802; Apr. 21.
Sharpener, Disk. D. C. Galvin. 1,807,978; June 2.
Sharpener, Drill. L. E. Croft. 1,832,186–7; Nov. 17.
Sharpener, Drill. A. E. Peters. 1,812,304; June 30.
Sharpener for razor blades, such as the Gillette and other blades having two cutting edges. E. G. Avignon. 1,823,926; Sept. 22.
Sharpener for shears and scissors blades. W. W. Brisben. 1,817,506; Aug. 4.
Sharpener, Knife. W. F. Polson. 1,810,727; June 16.
Sharpener, Knife. A. O. Samuels and G. Adams. 1,787,641; Jan. 6.
Sharpener, Lawn mower. D. H. McMurtry. 1,829,289; Oct. 27.
Sharpener, Lawn mower. C. B. Ross. 1,807,934; June 2.
Sharpener, Lawn mower. B. T. Wilson. 1,817,331; Aug. 4.
Sharpener, Pencil. M. Anthony. 1,833,926; Dec. 1.
Sharpener, Pencil. L. H. Constant. 1,788,369; Jan. 13.
Sharpener, Pencil. V. C. Luppert. 1,810,284–5; June 16.
Sharpener, Pencil. A. J. Palme. Des. 84,298; June 2.
Sharpener, Pencil. H. Schultz. 1,790,558; Jan. 27.
Sharpener, Pencil. F. Thompson. 1,804,717; May 12.
Sharpener, Pencil. G. D. Tussing. 1,800,118; Apr. 7.
Sharpener, Pencil. E. Wildhaber and J. Gstyr. 1,790,255; Jan. 27.
Sharpener, Portable automatic pencil. T. T. G. Nishimura. 1,793,558; Feb. 24.
Sharpener, Razor. J. M. Ezzell. 1,832,539; Nov. 17.
Sharpener, Safety razor. O. W. Boche. 1,836,064; Dec. 15.
Sharpener, Safety razor. J. Holtzman. 1,835,397; Dec. 8.
Sharpener, Safety razor blade. A. F. Weiss. Des. 85,218; Sept. 22.
Sharpener, Saw. C. V. East. 1,803,934; May 5.
Sharpener, Skate. M. A. Rice. 1,818,870; Aug. 11.
Sharpener, Stake. N. A. Ward. 1,806,656; May 26.
Sharpener, Symmetrical razor. J. Holtzman. 1,798,882; Mar. 31.
Sharpener with case, Lead-pencil. T. P. Möbius. 1,789,248; Jan. 13.
Sharpening device. A. Komow. 1,795,781; Mar. 10.
Sharpening device. M. A. Matthews. 1,827,664; Oct. 13.
Sharpening device for razor blades. J. B. Rhodes. 1,829,061; Oct. 27.
Sharpening device for safety razor blades and the like. J. B. Rhodes. 1,829,016; Oct. 27.
Sharpening device for safety razor blades and the like. J. B. Rhodes. 1,829,060; Oct. 27.
Sharpening device, Pencil. G. König. 1,808,665; June 2.
Sharpening device, Razor-blade-. A. Girtanner. 1,796,263; Mar. 10.
Sharpening device, Safety razor blade. J. Holtzman. 1,802,511; Apr. 28.
Sharpening machine, Pencil-. A. P. M. Guhl. 1,788,347; Jan. 6.
Sharpening machines for razor blades, Discharging arrangement in. S. Larsson. 1,828,671; Oct. 20.
Sharpening machines for razor blades, Feeding arrangement in. S. Larsson. 1,820,810; Aug. 25.
Sharpening machines, Gauging block for drill-bit-. C. W. Mitchell. 1,788,682; Jan. 13.
Shaving composition. A. V. Simone. 1,803,076; Apr. 28.
Shaving device. J. U. Fisher. 1,824,203; Sept. 22.
Shaving device. F. T. Hope. 1,836,800; Dec. 15.
Shaving device. A. Lehmann. 1,835,655; Dec. 8.
Shaving equipment. J. Schick. 1,806,087; May 19.
Shaving machine. J. Schick. 1,833,954; Dec. 1.
Shaving outfit. W. G. Frazier. 1,813,616; July 7.
Shaving outfit. H. R. Priest. 1,813,317; July 7.
Shaving stand. J. P. Amaral. 1,788,267; Jan. 6.
Shear and wire cutter, Metal. A. Helwig. 1,836,967; Dec. 15.
Shearing and cutting machine. J. E. Carlin. 1,791,191; Feb. 3.
Shearing machine. R. T. Gallagher. 1,832,110; Nov. 17.
Shearing machine. C. B. Gray. 1,795,303; Mar. 10.
Shearing machine. G. W. Russell. 1,817,039; Aug. 4.
Shearing machine. A. T. Yates. 1,792,522; Feb. 17.
Shearing machine, Continuous automatic. F. H. Streine. 1,812,122; June 30.
Shearing machine, Fabric. A. C. Mason. 1,802,520; Apr. 28.
Shearing machine, Seam-controlled. C. G. Richardson. 1,822,374; Sept. 8.
Shearing material, Apparatus for. L. Johnson. 1,814,513; July 14.
Shearing of moving materials, Apparatus for controlling the. F. B. Crosby. 1,814,586; July 14.
Shearing, punching and riveting machine. A. Johnson, jr., and G. F. Worthington, sr. 1,808,041; June 2.
Shears: *See*—
Animal shears.
Cutting shears.
Flying shears.
Garden shears.
Power driven shears.
Revolving shears.
Sheep shears.
Shears. L. H. Botts. 1,814,821; July 14.
Shears. C. A. Bryant. 1,802,905; Apr. 28.
Shears. H. E. Goodwin. 1,799,624; Apr. 7.

Shears. O. Melbye. 1,832,495; Nov. 17.
Shears. U. F. L. Steindorff and H. J. Heller. 1,796,812; Mar. 17.
Shears for cutting profiled materials. H. Pels. 1,798,106; Mar. 24.
Shears, Rotary end-trimming. F. C. Biggert, jr. 1,793,208; Feb. 17.
Shears sharpening device. L. C. Boyd. 1,806,234; May 19.
Shears with detachable blades. C. E. Luedtke. 1,822,050; Sept. 8.
Sheep shears. F. W. Scott. 1,825,890; Oct. 6.
Sheath bonding and method. H. Halperin and K. W. Miller. 1 809,591; June 9.
Sheath bonding system. H. Halperin and K. W. Miller. 1,823,140; Sept. 15.
Sheath cutter. H. E. Korab. 1,798,683; Mar. 31.
Sheath for cigarette packages. O. Berghorn. 1,809,372; June 9.
Sheath for electric warming pads. M. W. Ardle. 1,823,155; Sept. 15.
Sheathing for electrical conductors and the product thereof, Waterproofing. J. A. Kennedy. 1,801,813; Apr. 21.
Sheave. M. F. Yount. 1,809,921; June 16.
Sheave block. A. C. Patton. 1,800,700; Apr. 14.
Sheave crown block. W. W. Erlewine. 1,797,406; Mar. 24.
Shedding mechanism. G. B. Ambler. 1,838,048; Dec. 22.
Sheet and envelope, Combined. H. S. Pedersen. Re17,948; Feb. 3.
Sheet and making the same, Resilient flexible. W. A. Boughton. 1,833,151; Nov. 24.
Sheet and making the same, Transfer. H. Q. R. Crowder. 1,820,867; Aug. 25.
Sheet and tally form, Combined score. F. E. Bruelheide. 1,792,471; Feb. 17.
Sheet associating mechanism and control, Automatic. W. H. Gibson. 1,826,463; Oct. 6.
Sheet bar unstacking device. H. E. McGrery. 1,817,387; Aug. 4.
Sheet blade. J. R. Oishei. 1,828,715; Oct. 20.
Sheet-collating apparatus. E. R. Kast. 1,793,553; Feb. 24.
Sheet collecting machine. J. J. Murray. 1,825,885; Oct. 6.
Sheet cutting, collecting, and folding mechanism. C. S. Crafts. 1,826,652; Oct. 6.
Sheet cutting machines, Trip mechanism for. O. M. Hoch. 1,820,021; Aug. 25.
Sheet deflector. L. R. Tufts and A. Olson. 1,825,217; Sept. 29.
Sheet delivering device. E. Cheshire. 1,820,730; Aug. 25.
Sheet-delivery mechanism, Extension. A. Broadmeyer. 1,801,136; Apr. 14.
Sheet dividing and compiling mechanism. J. E. Sullivan. 1,815,744; July 21.
Sheet drawing apparatus, Downflow. E. T. Ferngren. 1,829,641; Oct. 27.
Sheet drying machine. C. E. Hetzel. 1,831,911; Nov. 17.
Sheet end indicator. W. L. Taylor. 1,789,790; Jan. 20.
Sheet feeder. H. Ehlig. 1,829,984; Nov. 3.
Sheet feeder. B. Z. McCain. 1,789,826; Jan. 20.
Sheet feeding and imprinting mechanism. J. P. Aldrich and H. A. Morris. 1,791,155; Feb. 3.
Sheet feeding and moistening device. J. P. Aldrich and H. A. Morris. 1,796,821; Mar. 17.
Sheet-feeding apparatus. A. Wormser. 1,799,997; Apr. 7.
Sheet feeding device. E. Cheshire. 1,834,382; Dec. 1.
Sheet feeding device. B. Fassmann. 1,835,562; Dec. 8.
Sheet feeding device. L. H. Kramer. 1,828,323; Oct. 20.
Sheet-feeding device. R. Moritz. 1,797,692; Mar. 24.
Sheet feeding machine. J. T. Wright. 1,823,182; Sept. 15.
Sheet feeding machines, Device for adjustment of the pile feed in. G. Spiess. 1,806,866; May 26.
Sheet feeding mechanism. A. W. Bell. 1,810,898; June 23.
Sheet-feeding mechanism. J. R. Blaine. 1,790,457; Jan. 27.
Sheet feeding mechanism. A. Broadmeyer. 1,810,751; June 16.
Sheet-feeding mechanism. G. E. Creed. 1,793,162; Feb. 17.
Sheet-feeding mechanism. W. M. Kelly. 1,787,532; Jan. 6.
Sheet feeding mechanism. C. L. Post. 1,837,190; Dec. 22.
Sheet feeding mechanism. N. G. A. Stromberg and G. W. Widlund. 1,809,495; June 9.
Sheet feeding mechanism. J. Van Buren. 1,837,241; Dec. 22.
Sheet folding and delivering mechanism. E. J. Smith. 1,829,242–4; Oct. 27.
Sheet forming mechanism. L. Mambourg. 1,818,232; Aug. 11.
Sheet glass. F. F. Shetterly. Des. 85,118; Sept. 15.
Sheet handling clamp. F. Gastan. 1,837,429; Dec. 22.
Sheet handling mechanism. A. M. Zuckerman. 1,808,514; June 2.
Sheet inserting mechanism, Half speed. H. A. W. Wood. 1,824,583; Sept. 22.
Sheet insulation. W. R. Gillies. 1,807,785; June 2.
Sheet laying-off device, Pneumatic. K. H. Tomtlund. 1,838,200; Dec. 29.
Sheet laying-on device. A. Buttner. 1,814,021; July 14.
Sheet laying-on machine. C. C. J. Weber. 1,830,818; Nov. 10.
Sheet material. E. M. Kratz. 1,837,555; Dec. 22.
Sheet material and making the same. J. C. Edger. 1,814,133; July 14.
Sheet material, Apparatus for coating and treating. A. Y. Pearl. 1,829,153; Oct. 27.
Sheet material, Apparatus for making. H. E. Holcomb. 1,822,891; Sept. 15.
Sheet material, Apparatus for use in surfacing. F. Merian. 1,803,434; May 5.
Sheet material, Colored. J. W. Ledeboer. 1,790,822; Feb. 3.
Sheet material, Composite. G. A. Richter. 1,829,157; Oct. 27.
Sheet material, Flexible wood faced. A. Elmendorf. 1,819,775; Aug. 18.
Sheet material, Handling and separating. F. B. Pfeiffer and J. W. White. 1,818,504; Aug. 11.
Sheet material, Impressible. C. D. Higginson. 1,802,379; Apr. 28.
Sheet material, Making. C. D. Knowlton. 1,821,166; Sept. 1.
Sheet material, Mechanism for, Synchronizing the feeding and cutting of. E. S. Petersen. 1,788,122; Jan. 6.
Sheet material, Mechanism for cutting. L. Kirschbraun. 1,812,654; June 30.
Sheet materials, Method of and apparatus for separating. H. S. Alexander, F. B. Pfeiffer, and J. W. White. 1,815,020; July 14.
Sheet measuring machines, Attachment for. A. F. Foster. 1,815,248; July 21.
Sheet metal, Rolling. J. M. Felton and C. H. Verwohlt. 1,821,751; Sept. 1.
Sheet metal brake. G. H. Rucker. 1,806,986; May 26.
Sheet-metal pipe. F. L. Williams. 1,793,280; Feb. 17.
Sheet mounting apparatus. A. Broadmeyer. 1,823,876; Sept. 22.
Sheet piling. C. S. Boardman. 1,799,152; Apr. 7.
Sheet-push-off mechanism. C. F. Frauenberger. 1,797,414; Mar. 24.
Sheet register device. E. Cheshire. 1,834,383; Dec. 1.
Sheet registering device. C. F. Root. 1,807,436; May 26.
Sheet rolling and finishing machine. T. E. Rees. 1,817,707; Aug. 4.
Sheet roofing, Making. I. Davis. 1,826,706; Oct. 13.
Sheet separating apparatus. F. D. Kinney. 1,827,753; Oct. 20.
Sheet separating apparatus. J. Shuttleworth and W. G. Murphy. 1,818,820; Aug. 11.
Sheet-spacing mechanism for tin pots. L. C. Steele. 1,791,044; Feb. 3.
Sheet, Typewriter backing. S. H. Linderman. 1,827,992; Oct. 20.
Sheet width maintaining device. L. Mambourg. 1,805,250; May 12.
Sheets and irregular surface contours, Method of and apparatus for making. J. Ledwinka. 1,816,594; July 28.
Sheets and plates, Making. C. W. Bennett. 1,812,508; June 30.
Sheets and the like, Fastening corrugated. G. A. Belding. 1,822,558–9; Sept. 8.
Sheets, Apparatus and process for producing. W. A. Darrah. 1,819,771; Aug. 18.
Sheets from a stack, Apparatus for removing. A. Winkler and M. Dünnebier. 1,834,568; Dec. 1.
Sheets from a stack, Apparatus for removing and simultaneously folding. A. Winkler and M. Dünnebier. 1,834,566; Dec. 1.
Sheets, Manufacturing composite. H. W. Cooper. 1,829,981; Nov. 3.
Sheets, Mechanism for feeding and severing. J. P. Aldrich and H. A. Morris. 1,792,474; Feb. 17.
Sheets, Method and apparatus for rolling. R. J. Wean. 1,824,001; Sept. 22.
Sheets, Method and apparatus for shaping curved. E. B. Carns. 1,820,936; Sept. 1.
Sheets, Method and machine for forming. E. B. Carns. 1,828,489; Oct. 20.
Sheets of plasic material which are combined or backed, Obtainment of. J. Paisseau. 1,808,372; June 2.
Sheets or blanks, Mechanism for feeding. A. Novick. 1,807,865; June 2.
Sheets or films, Manufacture of. H. J. Hands. 1,811,689; June 23.
Sheets or the like, Apparatus for the withdrawal of. A. Winkler and M. Dünnebier. 1,808,586; June 2.
Sheets, Rolling. J. Kennedy. 1,824,486; Sept. 22.
Sheets, Rolling. W. Stringham. 1,834,657; Dec. 1.
Shelf. K. H. Whitney. 1,793,036; Feb. 17.
Shelf, Attachable bracket. J. Erlendson and V. G. Faulhafer. 1,807,517; May 26.
Shelf box. W. N. Vance. 1,832,158; Nov. 17.
Shelf bracket. H. H. Raymond. 1,799,441; Apr. 7.
Shelf, Extension. V. Jonke. 1,831,867; Nov. 17.
Shelf follower and end support. C. B. Ulrich. 1,832,884; Nov. 24.
Shelf peg or refrigerator hook. E. W. North and R. E. Larson. 1,799,602; Apr. 7.
Shelf rack. G. F. Wetzel. Des. 85,799; Dec. 15.
Shelf rest. S. Madsen. 1,829,009; Oct. 27.
Shelf structure. G. E. Luce. 1,836,126; Dec. 15.
Shelf support for refrigerators, Removable. H. L. Pope. 1,816,694; July 28.
Shelf, tumbler, soap, toothbrush and jewel cup, Combination. J. R. Smith, sr. Des. 84,662; July 14.

Shell, Air gun. W. Paul. 1,823,160; Sept. 15.
Shell and making the same, Corrugated. A. R. Lawrence. 1,813,859; July 7.
Shell and shield for automobile radiators, Combined. C. R. Davis. 1,792,078; Feb. 10.
Shell, Blasting. S. S. Lanier, jr., and C. Blanchard. 1,832,132; Nov. 17.
Shell construction. L. M. McBride. 1,812,010; June 30.
Shell construction. L. M. McBride and F. B. Hale. 1,819,106; Aug. 18.
Shell construction. A. E. Nissen. 1,803,537; May 5.
Shell cracking and kernel extracting machine. A. F. Walker. 1,802,294; Apr. 21.
Shell, Drill mounting. E. F. Terry, jr. 1,804,187; May 5.
Shell drilling, Suction roll. H. C. Burden. 1,808,493: June 2.
Shell extractor. W. L. Little. 1,796,757; Mar. 17.
Shell for explosives, Paper. J. F. McCune. 1,831,537; Nov. 10.
Shell for rock drills. C. C. Hansen. 1,831,445; Nov. 10.
Shell, Radiator. L. F. Zorc. Des. 85,222–4; Sept. 22.
Shell, Shotgun. B. F. Schmidt. 1,788,637; Jan. 13.
Shellac composition. R. E. Sumner. 1,816,447; July 28.
Sheller: *See*—
Corn sheller. Pea sheller.
Nut sheller.
Shells, Forming. G. E. Ireland. 1,808,731; June 2.
Shells in aircraft, Device for releasing. P. Slinde. 1,831,397; Nov. 10.
Sheller. F. Kodama. 1,798,543; Mar. 31.
Shelling machine. B. H. Roberts. 1,827,168; Oct. 13.
Shells and tubes, Making ellipsoidal. A. Shatkin. 1,812,759; June 30.
Shells, Making metallic. A. O. Samuels. 1,838,003; Dec. 22.
Shells, Superwaterproofing shotgun. H. T. Peck. 1,832,238; Nov. 17.
Shelter or tent for attachment to automobiles, Portable. C. E. Crooke. 1,803,237; Apr. 28.
Shelves, Knockdown sectional display. E. L. O'Neil. 1,824,682; Sept. 22.
Shelving. A. B. Cornwall. 1,826,055; Oct. 6.
Shelving. A. H. Levene. 1,805,989; May 19.
Shelving construction, Store. H. P. Dalton. 1,799,410; Apr. 7.
Shelving, Metal. S. Goldberg. 1,814,084; July 14.
Shelving structure. E. Mically. 1,814,090–1; July 14.
Shield, Adjustable antiglare. C. I. Hoople. 1,806,059; May 19.
Shield, Antifrost. H. H. Steinman. 1,824,751; Sept. 22.
Shield, Antiglare. J. P. Everttts. 1,829,924; Nov. 3.
Shield, Antiglare. H. W. Hartzell. 1,837,546; Dec. 22.
Shield, Antiglare. A. G. Peters. 1,813,881; July 7.
Shield, Antiglare. A. L. Wyatt. 1,790,965; Feb. 3.
Shield attachment for binoculars. C. H. Duffy. 1,808,642; June 2.
Shield attachment for claw bars. J. W. Petersen and E. Bevard. 1,815,114; July 21.
Shield, Baffle. H. E. Blood. Des. 85,278; Oct. 6.
Shield, Brake. G. H. Brawner. 1,828,761; Oct. 27.
Shield, Brake drum. S. G. Baits. 1,832,274; Nov. 17.
Shield, Cable. A. O. Hoeftmann. 1,822,624; Sept. 8.
Shield, Curtain. A. S. Guenther. 1,796,019; Mar. 10.
Shield, Electric welding. C. E. Shaw. 1,834,655; Dec. 1.
Shield, Expansion. G. R. Flora. 1,801,147; Apr. 14.
Shield, Expansion. R. E. Ogden. 1,806,640; May 26.
Shield, Expansion. C. C. Tomkinson. 1,795,057; Mar. 3.
Shield, Expansion. C. C. Tomkinson. 1,800,968; Apr. 14.
Shield, Eyeglass. H. W. Shryock. 1,828,850; Oct. 27.
Shield, Face. W. G. King. 1,795,866; Mar. 10.
Shield, Flame. J. A. Phelan. 1,789,772; Jan. 20.
Shield for automobiles, Adjustable glare. R. S. Bergman. 1,838,653; Dec. 29.
Shield for burners of gas ranges, Aeration. I. V. Brumbaugh. 1,833,734; Nov. 24.
Shield for eyelenses, Glare. C. I. Walker. 1,811,525; June 23.
Shield for grain binders, Cornstalk. E. S. Clapper. 1,791,884; Feb. 10.
Shield for hair curlers. G. E. Bjorkman. 1,824,006. Sept. 22.
Shield for piling bricks. E. J. Schario. 1,814,968; July 14.
Shield for toilet seats, Sanitary. I. E. Akesson. 1,830,344; Nov. 3.
Shield for vehicles, Sun and rain. H. E. Williams. 1,787,845; Jan. 6.
Shield for vehicle wheels. B. N. Munson. Des. 85,591; Nov. 17.
Shield for windshields or the like, Antiglare. A. M. Purchio. 1,828,339; Oct. 20.
Shield, Frost. W. H. Stansberry. 1,799,445; Apr. 7.
Shield, Furnace register. J. L. Gillman, jr. 1,811,467; June 23.
Shield, Glare. F. Rabbit. 1,838.282; Dec. 29.
Shield, Lamp. S. F. Arbuckle. 1,820,522; Aug. 25.
Shield, Leg. A. M. Lown and T. E. Williams. 1,801,437; Apr. 21.
Shield, Motorist's eye. F. W. Magee. 1,824,908; Sept. 29.
Shield, Nose. D. H. Roche. 1,802,275; Apr. 21.
Shield or casing, Transformer. A. Helgason and N. Knuth. 1,799,790; Apr. 7.
Shield, Paint and lacquer. C. L. Lemmons. 1,799,913; Apr. 7.
Shield, Plant. Z. Sato. 1,814,339; July 14.
Shield, Portable dressing. O. Wendel. 1,804,190; May 5.
Shield, Putty. J. G. Shodron. 1,827,115; Oct. 13.
Shield, Radiator. M. W. McRae. 1,831,361; Nov. 10.
Shield, Shower-bath. G. W. Alexander. 1,791,696; Feb. 10.
Shield, Toe. S. Capezio. 1,819,766; Aug. 18.
Shield, Weather. J. E. Rousek and C. A. Henry. 1,802,353; Apr. 28.
Shield, Welding. T. E. Catherwood. 1,790,226; Jan. 27.
Shielding for radio-frequency amplifiers. W. A. MacDonald and F. E. Johnston. 1,823,327; Sept. 15.
Shields to electric-light fixtures, Attaching. K. A. Sawin. 1,797,555; Mar. 24.
Shiftable seat. H. H. Seaman. 1,799,870–1; Apr. 7.
Shifter mechanism. H. J. Heck. 1,821,890; Sept. 1.
Shifting and sorting machine. L. E. Simpson. 1,791,291; Feb. 3.
Shims, Making laminated. L. A. Johnson. 1,800,942; Apr. 14.
Shingle. D. Finley. Des. 85,638; Dec. 1.
Shingle. D. F. Fradette. 1,826,761; Oct. 13.
Shingle. N. P. Harshberger. 1,802,378; Apr. 28.
Shingle. C. L. Mangano. 1,819,717; Aug. 18.
Shingle. J. V. Tatlow. 1,812,223; June 30.
Shingle. W. W. Weaver. 1,795,913; Mar. 10.
Shingle and coloration thereof. C. Batcheller. 1,798,998; Mar. 31.
Shingle and making same. F. A. Mosher. 1,805,292; May 12.
Shingle and making same, Roofing. L. Kirschbraun and O. A. Heppes. 1,807,918; June 2.
Shingle and producing it, Mottled or colored. A. L. Clapp. 1,811,613; June 23.
Shingle bracket. M. Brown. 1,803,788; May 5.
Shingle clip. A. Myhre. 1,814,405; July 14.
Shingle, Composition. A. C. Fischer. 1,795,277; Mar. 3.
Shingle, Composition. N. P. Harshberger. 1,818,850; Aug. 11.
Shingle, Composition roofing. O. B. Clow. 1,828,222; Oct. 20.
Shingle construction, Composition. H. E. Pfaff and G. E. Barhart. 1,800,403; Apr. 14.
Shingle cutter. S. N. Gundlach. 1,814,151; July 14.
Shingle cutter. M. C. Hurst. 1,818,397; Aug. 11.
Shingle, Individual. H. R. French. 1,799,293; Apr. 7.
Shingle, Interlocking. N. Z. Butterick. 1,825,576; Sept. 29.
Shingle machine attachment. M. W. Koski. 1,806,979; May 26.
Shingle, Making a strip. J. A. Topping. 1,831,374; Nov. 10.
Shingle manufacture. H. L. Guy. 1,806,161; May 19.
Shingle, Prepared. T. D'A. Brophy. 1,799,500; Apr. 7.
Shingle shake machine. K. D. Craft. 1,820,445; Aug. 25.
Shingle strips, Apparatus for producing. H. R. Wood. 1,812,424; June 30.
Shingle strips, Making thick butt. F. C. Overbury. 1,802,032; Apr. 21.
Shingle strips, Producing. F. G. Overbury and O. A. Heppes. 1,834,004; Dec. 1.
Shingle, Tapered roofing. H. C. Avery. 1,802,494; Apr. 28.
Shingles and boards, Method and apparatus for making fiber and cement. H. E. Holcomb. 1,819,840; Aug. 18.
Shingles and the like, Apparatus for impregnating bundles of. H. E. Gosch. 1,812,291; June 30.
Shingles and the like, Treating. H. E. Gosch. 1,829,796; Nov. 3.
Shingles, Making copper plated. F. Muschler. 1,805,920; May 19.
Shingles, Method of and apparatus for making strip. L. Kirschbraun. 1,834,954; Dec. 8.
Shingles, Method of and machine for making multicolored strip. G. P. Heppes. 1,791,560; Feb. 10.
Shingles, Retainer for. A. Gerosa. 1,813,798; July 7.
Ship cabins, etc., Device to prevent pitching and rolling of. V. Kasarinoff. 1,792,745; Feb. 17.
Ship, Cargo. E. H. Watts. 1,815,687; July 21.
Ship construction. R. Curr. 1,821,882; Sept. 1.
Ship construction. W. F. Fletcher. 1,803,104–5; Apr. 28.
Ship construction. R. F. Smith. 1,806,508; May 19.
Ship gangway. J. T. De Veau and H. Mallet. 1,836,433; Dec. 15.
Ship, Hydro-speed. M. Kloen. 1,815,303; July 21.
Ship log. J. Walker. 1,808,697; June 2.
Ship, Ornamental. J. Nowakowski. Des. 84,160; May 12.
Ship propelled by internal combustion engines. W. Hefti. 1,816,371; July 28.
Ship propulsion. R. O. Dunham. 1,804,328; May 5.
Ship propulsion. P. Prell. 1,788,440; Jan. 13.
Ship propulsion system. R. A. Beekman. 1,822,721; Sept. 8.
Ship propulsion system. R. D. Van Nordstrand. 1,822,760; Sept. 8.
Ship hull construction. R. F. Smith. 1,837,078; Dec. 15.
Ship raising apparatus. W. E. Bahr. 1,816,759; July 28.
Ship, Submarine rescue. H. L. Pegg. 1,792,118; Feb. 10.
Ship, Welded. E. B. Wheeler. 1,810,097; June 16.
Shipper and gear casing lock, Combined. D. G. Floyd and M. H. McLendon. 1,803.796; May 5.

Shipping box. J. C. Van Cleaf. 1,826,104; Oct. 6.
Shipping box, Poultry. R. L. Savage. 1,789,777; Jan. 20.
Shipping case. A. H. Cubberley. 1,826,744; Oct. 13.
Shipping case. A. H. Graves. 1,793,362; Feb. 17.
Shipping case, Egg. I. Hill and R. H. Clayton. 1,815,565; July 21.
Shipping device. C. L. Snyder. 1,813,326; July 7.
Ships and other structures, Construction of. H. C. T. Bryant. 1,831,479; Nov. 10.
Ships and the like, Hull structure of. H. E. J. Camps. 1,826,728; Oct. 13.
Ships, boats, and the like, Construction of. J. R. Klinger. 1,822,223; Sept. 8.
Ship's davit. J. S. Barclay. 1,833,106; Nov. 24.
Ships, Determining the center of gravity of. A. J. Coughtry. 1,788,824; Jan. 13.
Ships, Drag eliminator for. S. Aitken. 1,827,806; Oct. 20.
Ship's hatch covers and for other purposes, Wedge device suitable for use with. E. P. Hamlett. 1,798,084; Mar. 24.
Ship's hull. G. Kempf. 1,803,259; Apr. 28.
Ship's hull. P. van Wienen. 1,826,229; Oct. 6.
Ship's line, Trace of. V. Yourkevitch. 1,831,643; Nov. 10.
Ships, Outrigger davit for. K. R. Tellefsen. 1,798,990; Mar. 31.
Ships, Preventing pitching of. E. A. Sperry. 1,800,365; Apr. 14.
Ships, Propelling. F. W. Gay. 1,818,705; Aug. 11.
Ships, Propulsion of multiple-screw. A. A. Pollock. 1,802,184; Apr. 21.
Ships, Refloating of stranded. V. Huberti. 1,809,482; June 9.
Ships, Roll and pitch reducing device for. A. E. Schein. 1,800,408; Apr. 14.
Ship's rudder. W. Scholz. 1,799,538; Apr. 7.
Shirring attachment. C. Seaman. 1,825,758; Oct. 6.
Shirt. C. Bean. 1,798,056; Mar. 24.
Shirt. P. B. Collins. 1,804,319; May 5.
Shirt. A. Goldberg. 1,792,369; Feb. 10.
Shirt. H. Miller. 1,818,811; Aug. 11.
Shirt. W. Parker, jr. 1,827,605; Oct. 13.
Shirt. J. W. Reed. 1,816,745; July 28.
Shirt. K. M. Sweeney. 1,799,572; Apr. 7.
Shirt and drawers, Combination. H. Gussak. 1,822,482; Sept. 8.
Shirt and necktie, Combination. W. J. Price. 1,793,131; Feb. 17.
Shirt bosom, Detachable. W. B. Snow. 1,827,716; Oct. 13.
Shirt, Combined outer and under. B. Spiers. 1,804,068; May 5.
Shirt, Convertible. I. Rosenbloom. 1,837,998; Dec. 22.
Shirt setting device. J. J. O'Shea. 1,833,909; Dec. 1.
Shirt, Two-in-one. W. H. Caunitz. 1,830,639; Nov. 3.
Shirts, Adjustable skirt for. F. B. Beggs. 1,816,068; July 28.
Shock absorber. C. A. Balton. 1,837,395; Dec. 22.
Shock absorber. G. P. Berry. 1,797,751; Mar. 24.
Shock absorber. G. F. Bischof. 1,838,802; Dec. 29.
Shock absorber. A. F. Blanchard. 1,806,038; May 19.
Shock absorber. A. B. Casper. 1,811,492; June 23.
Shock absorber. A. B. Casper. 1,815,184; July 21.
Shock absorber. J. Chalumeau. 1,808,130; June 2.
Shock absorber. M. E. Chandler. 1,788,943; Jan. 13.
Shock absorber. M. E. Chandler. 1,792,459; Feb. 10.
Shock absorber. W. A. Chryst. 1,791,192–3; Feb. 3.
Shock absorber. W. A. Chryst. 1,792,071; Feb. 10.
Shock absorber. W. A. Chryst. 1,797,755; Mar. 24.
Shock absorber. W. A. Chryst. 1,806,333; May 19.
Shock absorber. W. A. Chryst. 1,807,620; June 2.
Shock absorber. W. A. Chryst. 1,828,357–8; Oct. 20.
Shock absorber. W. A. Chryst. 1,828,360; Oct. 20.
Shock absorber. W. A. Chryst. 1,828,394; Oct. 20.
Shock absorber. W. A. Chryst. 1,835,013; Dec. 8.
Shock absorber. W. A. Chryst. 1,836,447; Dec. 15.
Shock absorber. P. P. Cunningham. 1,791,661; Feb. 10.
Shock absorber. F. W. Davis. 1,821,142; Sept. 1.
Shock absorber. J. A. Dienner. 1,818,386; Aug. 11.
Shock absorber. M. J. Dorner and F. F. Merville. 1,802,411; Apr. 28.
Shock absorber. F. T. Elliott. 1,813,666; July 7.
Shock absorber. G. W. Elsey and W. A. Chryst. 1,807,653; June 2.
Shock absorber. J. G. Everstam. 1,830,055; Nov. 3.
Shock absorber. F. H. Gibbs. 1,833,939–40; Dec. 1.
Shock absorber. E. Gruenfeldt. 1,820,971; Sept. 1.
Shock absorber. J. M. Hall. 1,831,173; Nov. 10.
Shock absorber. J. H. Hunt. 1,825,400; Sept. 29.
Shock absorber. H. E. Jackson. 1,817,195; Aug. 4.
Shock absorber. F. O. Kilgore. 1,790,310; Jan. 27.
Shock absorber. A. G. Knight, jr. 1,806,468; May 19.
Shock absorber. J. A. Knight. 1,812,051; June 30.
Shock absorber. O. A. Krenke. 1,833,490; Nov. 24.
Shock absorber. C. H. Land. 1,833,906; Dec. 1.
Shock absorber. J. S. Lang. 1,818,140–1; Aug. 11.
Shock absorber. A. J. Layhon. 1,834,215; Dec. 1.
Shock absorber. S. E. Lesher. 1,823,834; Sept. 15.
Shock absorber. L. C. Lewis. 1,792,95; Feb. 17.
Shock absorber. C. de Lukacsevics. 1,834,446; Dec. 1.
Shock absorber. H. Ludwig. 1,823,835; Sept. 15.
Shock absorber. A. W. F. Manzel. 1,807,422; May 26.
Shock absorber. J. W. Marsey. 1,818,414; Aug. 11.
Shock absorber. J. J. McIntyre. 1,802,350; Apr. 28.
Shock absorber. A. McNab. 1,836,381; Dec. 15.
Shock absorber. C. N. Mitchell. 1,895,836; May 19.
Shock absorber. R. S. M. Mitchell. 1,797,875; Mar. 24.
Shock absorber. P. S. Morgan. 1,813,069; July 7.
Shock absorber. R. H. Moulton. 1,796,267; Mar. 10.
Shock absorber. W. H. Mussey. 1,828,063; Oct. 20.
Shock absorber. C. J. Nash. 1,787,588; Jan. 6.
Shock absorber. N. B. Newton. 1,791,832; Feb. 10.
Shock absorber. R. F. Peo. 1,798,352; Mar. 31.
Shock absorber. P. N. Peters. 1,790,169; Jan. 27.
Shock absorber. W. J. Philpott and J. T. Knight. 1,794,981; Mar. 3.
Shock absorber. C. F. Reagan. 1,794,493; Mar. 3.
Shock absorber. H. C. Rice. 1,831,138; Nov. 10.
Shock absorber. W. W. Riedel. 1,814,264; July 14.
Shock absorber. E. F. Rossman. 1,819,523; Aug. 18.
Shock absorber. E. F. Rossman. 1,828,445–6; Oct. 20.
Shock absorber. M. P. Rumney. 1,826,575; Oct. 6.
Shock absorber. T. Sarri. 1,833,596; Nov. 24.
Shock absorber. L. W. Shutts. 1,797,799; Mar. 24.
Shock absorber. E. H. Smith. 1,797,930; Mar. 24.
Shock absorber. W. J. Smith. 1,790,773; Feb. 3.
Shock absorber. D. H. Sweet. 1,787,602; Jan. 6.
Shock absorber. J. H. Symank. 1,810,797; June 16.
Shock absorber. C. A. Tea. 1,838,644; Dec. 29.
Shock absorber. M. Tibbetts. 1,823,712; Sept. 15.
Shock absorber. M. Tibbetts. 1,834,112; Dec. 1.
Shock absorber. J. T. Trumble. 1,807,945; June 2.
Shock absorber. H. A. Tuttle. 1,816,029; July 28.
Shock absorber. W. Van Guilder. 1,794,475; Mar. 3
Shock absorber. T. Veitch. 1,834,439; Dec. 1.
Shock absorber. F. D. Warburton. 1,803,287; Apr. 28.
Shock absorber. H. N. Wayne and E. B. Cox. 1,837,510; Dec. 22.
Shock absorber. C. W. Weiss. 1,799,662; Apr. 7.
Shock absorber. A. Welikes. 1,812,817; June 30.
Shock absorber. E. J. Wendell. 1,808,700; June 2.
Shock absorber. L. S. Wilbur. 1,826,972; Oct. 13.
Shock absorber. G. F. Yevseyeff. 1,829,382; Oct. 27.
Shock absorber, Adjustable. A. Dufaux. 1,813,532; July 7.
Shock absorber, Amphibian. L. W. Greve. 1,791,721; Feb. 10.
Shock absorber and silencer. C. J. Dorrance. 1,802,006; Apr. 21.
Shock absorber and stop for pruning shear handles. G. F. Hickok. 1,822,591; Sept. 8.
Shock absorber automatically controllable with speed of vehicle. G. Dusmet. 1,796,513; Mar. 17.
Shock absorber, Fluid or hydraulic. J. C. Eckhard. 1,812,519; June 30.
Shock absorber for fluid pressure lines. G. I. Ray. 1,836,682; Dec. 15.
Shock absorber for lamp sockets. L. C. Doane. 1,788,945; Jan. 13.
Shock absorber for motor vehicles. J. J. Kelly. 1,797,093; Mar. 17.
Shock absorber for scales. W. Gumprich. 1,830,997; Nov. 10.
Shock absorber for suspending vehicles, Friction. R. Masquelier. 1,817,088; Aug. 4.
Shock absorber for vehicles. F. G. G. Armstrong. 1,830,418; Nov. 3.
Shock absorber for vehicles. F. Frémaux. 1,834,054; Dec. 1.
Shock absorber for vehicles. D. Grosso. 1,828,602; Oct. 20.
Shock absorber for vehicles. N. Lacrotte. 1,791,415; Feb. 3.
Shock absorber for vehicles. G. F. Yevseyeff. 1,829,430; Oct. 27.
Shock absorber, Hydraulic. E. W. Beidler and A. C. Roessler. 1,804,141; May 5.
Shock absorber, Hydraulic. G. W. Elsey. 1,819,503; Aug. 18.
Shock absorber, Hydraulic. S. Jencick. 1,808,924; June 9.
Shock absorber, Hydraulic. E. W. Johnson. 1,822,406; Sept. 8.
Shock absorber, Hydraulic. A. Moorhouse. 1,836,932–3; Dec. 15.
Shock absorber, Hydraulic. E. F. Rossman. 1,831,141; Nov. 10.
Shock absorber, Hydraulic. E. F. Rossman. 1,836,399; Dec. 15.
Shock absorber, Hydraulic. F. H. Royce. 1,805,924; May 19.
Shock absorber, Hydraulic. W. H. Schmitt. 1,829,946; Nov. 3.
Shock absorber, Hydraulic. L. A. Westman and G. B. Carman. 1,807,362; May 26.
Shock absorber, Hydraulic. L. A. Westman and G. B. Carman. 1,818,773; Aug. 11.
Shock absorber, Impact. A. B. Brown. 1,834,824; Dec. 1.
Shock-absorber mechanism. J. W. Gray. 1,799,013; Mar. 31.
Shock absorber of double acting opposed cylinder type, Hydraulic. W. A. Chryst. 1,801,587; Apr. 21.
Shock absorber, Power actuated. G. H. Taber. 1,833,238; Nov. 24.
Shock absorber, Vehicle. E. H. Kreider. 1,812,244; June 30.
Shock absorber, Water. D. A. Gillen and F. W. Seymour. 1,790,659; Feb. 3.
Shock absorber with hydraulic control, Friction. G. H. E. De Ram. 1,805,466; May 19.

Shock absorbers, Attaching. L. Rouanet. 1,797,929; Mar. 24.
Shock absorbers, Attaching device for motor vehicle. F. Smith. 1,833,002; Nov. 24.
Shock absorbers, Equalizing and controlling. E. L. Leinbach. 1,833,681; Nov. 24.
Shock-absorbing and springing mechanism with particular application to aircraft requirements. G. H. Dowty. 1,791,484; Feb. 3.
Shock absorbing base for jar molding machines. L. A. Camerota. 1,802,107; Apr. 21.
Shock-absorbing device. J. P. Center. 1,789,514; Jan. 20.
Shock absorbing device. C. H. Chapin. 1,817,675; Aug. 4.
Shock-absorbing device. G. Flintermann. 1,834,450; Dec. 1.
Shock absorbing device. R. L. Gruss. 1,819,414; Aug. 18.
Shock absorbing device. L. Rolland. 1,816,401; July 28.
Shock absorbing device. J. Roumens. 1,822,824; Sept. 8.
Shock absorbing device for aeroplanes. W. Reed. 1,831,136; Nov. 10.
Shock absorbing means, Airplane article pick up. L. S. Adams. 1,825,329; Sept. 29.
Shock absorbing means for turnstiles. C. J. Phare. 1,808,373; June 2.
Shock absorbing mechanism. W. R. Bull and C. E. Simpson. 1,822,079; Sept. 8.
Shock absorbing mechanism. E. Ryder. 1,825,823; Oct. 6.
Shock absorbing mechanism. A. A. Wilson. 1,819,855; Aug. 18.
Shock absorbing mechanism, Friction. S. B. Haseltine. 1,829,138; Oct. 27.
Shock absorbing mechanism, Friction. S. B. Haseltine. 1,831,909; Nov. 17.
Shock absorbing mechanism, Friction. S. B. Haseltine. 1,832,931; Nov. 24.
Shock-absorbing mechanism, Friction. J. F. O'Connor. Re18,012; Mar. 24.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,788,540; Jan. 13.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,796,615; Mar. 17.
Shock absorbing mechanism, Friction. J. F. O'Connor. 1,836,186; Dec. 15.
Shock absorbing mechanism, Friction. R. J. Olander. 1,809,908; June 16.
Shock absorbing mount or support. G. Campbell. 1,819,835; Aug. 18.
Shock diffuser. F. F. Landis. 1,792,913–14; Feb. 17.
Shock eliminator. E. Slade. 1,828,549; Oct. 20.
Shocking attachment for grain binders. W. McConnell. 1,806,407; May 19.
Shocking machines, Conveying mechanism for. I. L., C. N., and R. W. Dawson. 1,797,051; Mar. 17.
Shocks from railway tracks, Absorbing. J. G. Mueller. 1,794,637; Mar. 3.
Shocks, Method and apparatus for absorbing. E. Conti. 1,837,950; Dec. 22.
Shoe. E. W. Allen. 1,828,453; Oct. 20.
Shoe. G. W. Blair. 1,837,518; Dec. 22.
Shoe. D. Boten. Des. 84,510–13; June 30.
Shoe. C. H. Brown. Des. 83,790; Mar. 31.
Shoe. P. S. Costello. 1,812,622; June 30.
Shoe. R. Davis. 1,795,276; Mar. 3.
Shoe. G. H. Gillis. 1,833,606; Nov. 24.
Shoe. V. De Liso. Des. 84,627; July 14.
Shoe. V. De Liso. Des. 84,924; Aug. 25.
Shoe. V. De Liso. Des. 84,979–80; Sept. 1.
Shoe. W. E. Ebling. Des. 84,519; June 30.
Shoe. F. W. Ellington. Des. 83,669–70; Mar. 17.
Shoe. F. W. Ellington. Des. 83,723; Mar. 24.
Shoe. F. W. Ellington. Des. 84,629–31; July 14.
Shoe. W. W. Evans. 1,807,572; May 26.
Shoe. M. Feinstein. 1,798,248; Mar. 31.
Shoe. J. S. Frohman. 1,795,769; Mar. 10.
Shoe. J. F. Gilkerson. 1,807,401; May 26.
Shoe. W. Goldstein. Des. 85,040; Sept. 8.
Shoe. E. C. Janke. 1,798,470; Mar. 31.
Shoe. W. O. Johnson. Des. 84,144; May 12.
Shoe. A. M. Kessler. 1,816,907; Aug. 4.
Shoe. G. S. Laird. Des. 85,248; Sept. 29.
Shoe. H. Lifschutz. 1,795,222; Mar. 3.
Shoe. C. A. and F. E. Malsbury. 1,801,051; Apr. 14.
Shoe. C. Miller. Des. 84,254; May 26.
Shoe. C. Miller. Des. 84,587; July 7.
Shoe. C. Miller and A. A. Livers. 1,807,792; June 2.
Shoe. C. Miller and L. Sholtz. Des. 85,440–1; Oct. 27.
Shoe. C. Morali. Des. 83,561; Mar. 3.
Shoe. C. Morali. Des. 84,047–8; Apr. 28.
Shoe. C. Morali. Des. 84,645; July 14.
Shoe. G. M. Schaff. 1,801,532; Apr. 21.
Shoe. D. Stark. 1,810,581; June 16.
Shoe. L. W. Stetson. Des. 84,858; Aug. 11.
Shoe. P. A. Stuart. Des. 83,650–1; Mar. 10.
Shoe. C. G. Turner. 1,801,379; Apr. 21.
Shoe. E. D. Van Tassel, jr. 1,791,177; Feb. 3.
Shoe. J. E. Williams. 1,818,594; Aug. 11.
Shoe. C. Wolfelt. Des. 83,711; Mar. 17.
Shoe and heel. W. R. Barclay. 1,792,527; Feb. 17.
Shoe and making same. C. A. Rivas. 1,825,206; Sept. 29.
Shoe and making same. F. Sbicca. 1,838,708; Dec. 29.
Shoe and making the same. T. Buek. 1,810,341; June 16.
Shoe and making the same. H. S. Lysne. 1,803,716; May 5.
Shoe and making the same. W. H. Nutt. 1,837,282; Dec. 22.
Shoe and shank stiffener therefor. Reinhard B. Bartels. 1,834,930; Dec. 8.
Shoe and shank stiffener therefor. M. F. Brogan. 1,811,911; June 30.
Shoe and shank stiffener therefor. M. W. White. 1,811,912; June 30.
Shoe and shoe making. J. W. May. 1,816,386; July 28.
Shoe, Antislip. M. Goldenberg. 1,827,515; Oct. 13.
Shoe, Armored. A. A. Williams. 1,823,924; Sept. 22.
Shoe, Athletic. A. S. Funk and E. S. Bott. Des. 83,854; Apr. 7.
Shoe, Athletic. D. J. Golden. 1,827,514; Oct. 13.
Shoe, Athletic. F. L. Hetter. 1,821,834; Sept. 1.
Shoe, Athletic. H. M. Knilans. 1,803,554; May 5.
Shoe, Baby. L. J. Golden. Des. 83,728; Mar. 24.
Shoe, Baby. L. J. Golden. Des. 83,898; Apr. 14.
Shoe, Baby's. B. Schubart. Des. 84,058–9; Apr. 28.
Shoe bag. W. P. Arnold. 1,818,030; Aug. 11.
Shoe bag. A. Mansker and D. Baum. 1,822,780; Sept. 8.
Shoe, boot, and the like. G. E. Karlson. 1,814,514; July 14.
Shoe bottom cavities, Filling. A. Thoma. 1,818,827; Aug. 11.
Shoe-bottom filler. A. Thoma. 1,796,670; Mar. 17.
Shoe bottoms, Method of and apparatus for locating elements upon. F. L. Mooney. 1,804,427; May 12.
Shoe box. D. A. Stevens. 1,790,119; Jan. 27.
Shoe buckle. C. G. King. Des. 84,942; Aug. 25.
Shoe-button filler piece. A. Thoma. 1,793,340; Feb. 17.
Shoe cementing. F. D. Kinney. 1,830,114; Nov. 3.
Shoe, Child's. W. G. Heiber. Des. 85,432; Oct. 27.
Shoe clasp. F. M. Keirnan. 1,806,629; May 26.
Shoe cleaning and polishing machine. V. Raschella. 1,822,419; Sept. 8.
Shoe cleaning and polishing machine. L. C. Robinson. 1,795,892; Mar. 10.
Shoe cleaning device. J. Zrnel. 1,830,455; Nov. 3.
Shoe cleaning machine. J. Bustos. 1,828,388; Oct. 20.
Shoe cleat attachment. M. Goldenberg. 1,797,059; Mar. 17.
Shoe closure. A. Perugia. 1,798,271; Mar. 31.
Shoe construction. A. Johnson. 1,826,616; Oct. 6.
Shoe construction. C. G. Wernmark. 1,809,998; June 16.
Shoe displayer. M. Noble. 1,821,024; Sept. 1.
Shoe expander. J. Hessel. 1,803,759; May 5.
Shoe filler coating apparatus. A. Thoma. 1,803,951; May 5.
Shoe filler, Sheetlike. A. Thoma. 1,801,463; Apr. 21.
Shoe for aeroplane brakes. J. R. Cautley. 1,825,653; Oct. 6.
Shoe for ladders, Safety. J. Heiniger. 1,810,045; June 16.
Shoe form. W. J. De Witt. 1,803,843; May 5.
Shoe form. W. J. De Witt. 1,807,973; June 2.
Shoe form, Expansible. W. J. De Witt. 1,790,800; Feb. 3.
Shoe-forming machine. R. L. Hubbard. 1,791,059; Feb. 3.
Shoe, Free arch. P. F. Woodruff. 1,833,628; Nov. 24.
Shoe hanger. H. C. Huestis. 1,813,573; July 7.
Shoe having shank stiffeners and making such shoes. R. B. Bartels. 1,829,497; Oct. 27.
Shoe heel. L. J. Bazzoni. 1,789,297; Jan. 20.
Shoe heel and manufacturing the same. L. J. Bazzoni. 1,789,296; Jan. 20.
Shoe heel sheet, Composite. B. Gilowitz. 1,817,247; Aug. 4.
Shoe horn. H. L. Bradley. Des. 84,620; July 14.
Shoe horn and comb, Combined. J. Pauchek. 1,832,500; Nov. 17.
Shoe lace tip. M. L. Schaeffer. 1,833,264; Nov. 24.
Shoe lace tip, Metallic. R. F. Good. 1,810,602; June 16.
Shoe lacing. N. Daniels and J. M. Pero. 1,804,211; May 5.
Shoe last, Collapsible. A. W. Bennett. 1,828,640; Oct. 20.
Shoe-last stand. A. Hervieux. 1,800,294; Apr. 14.
Shoe machine. A. R. Morrill. 1,834,471; Dec. 1.
Shoemaking. F. Lesinski. 1,831,672; Nov. 10.
Shoemaking. J. H. Pope. 1,809,065; June 9.
Shoemaking. F. W. Stuart. 1,836,825; Dec. 15.
Shoe manufacture. R. Davis. 1,800,720; Apr. 14.
Shoe or article of analogous nature. W. G. Barbour. Des. 84,562; July 7.
Shoe or overshoe, Arctic. P. H. Margulis. 1,821,471; Sept. 1.
Shoe or similar article, Sport. F. Crossman. Des. 84,741–2; July 28.
Shoe ornament. S. M. Riker. Des. 84,956; Aug. 25.
Shoe ornamenting machine. C. A. Messmer, jr. Re18,201; Sept. 22.
Shoe ornamenting machine and work supporting device therefor. B. W. Freeman. 1,835,484; Dec. 8.
Shoe, Orthopedic. A. Posher. 1,798,807; Mar. 31.
Shoe pac. J. U. Bergquist. 1,826,645; Oct. 6.
Shoe press. E. B. Napolitano. 1,805,182; May 12.
Shoe-pressing apparatus. M. C. Hoskin. 1,788,238; Jan. 6.
Shoe pressing machine. E. E. Clements. 1,831,525; Nov. 10.
Shoe-pressing machine. E. E. Winkley. 1,790,192; Jan. 27.
Shoe rack. H. L. Glidden 1,837,263; Dec. 22.
Shoe rack. C. P. Mitchel. 1,830,804; Nov. 10.
Shoe rack. E. W. Roberts. 1,821,771; Sept. 1.
Shoe rack. A. D. Wilhelm. Des. 85,502; Nov. 3.

Shoe rack, Combination. T. F. Matthews. 1,828,331; Oct. 20.
Shoe, Rubber. P. E. Young. Des. 85,567; Nov. 10.
Shoe sewing machine. A. F. Carlson. 1,837,757; Dec. 22.
Shoe shank stiffeners, Manufacturing. R. B. Bartels. 1,829,496; Oct. 27.
Shoe shining installation and the elements thereof. H. E. Schulse. 1,828,820; Oct. 27.
Shoe shining machine. E. C. and J. P. Kenny. 1,836,924; Dec. 15.
Shoe shining machine. J. S. McDowell and W. Carson. 1,805,832; May 19.
Shoe-size-testing device. E. J. Bliss. 1,791,948; Feb. 10.
Shoe, slipper, boot, and the like. P. Bullock. 1,788,275; Jan. 6.
Shoe sole. H. Crossman, A. Greenbaum, and M. J. Bern stein. Des. 83,189; Feb. 3.
Shoe sole. W. B. Hopwood. Des. 82,988; Jan. 6.
Shoe sole. W. E. Kavenagh. Des. 85,700–1; Dec. 8.
Shoe sole. J. J. O'Neil. Des. 83,169–70; Jan. 27.
Shoe sole for a woman's shoe. S. Troy. Des. 85,063; Apr. 28.
Shoe sole press, Rubber band cushion. C. L. Huntoon. 1,829,221; Oct. 27.
Shoe, Spudding. C. S. Wright. 1,828,269; Oct. 20.
Shoe stapler. E. Dunford. 1,808,025; June 2.
Shoe stapler device. E. Dunford. 1,808,026; June 2.
Shoe stapler structure. J. Adler. 1,808,027; June 2.
Shoe stiffener. H. H. Beckwith. 1,823,231; Sept. 15.
Shoe stiffener. W. O. Herrmann and W. Hasehnel. 1,822,526; Sept. 8.
Shoe stiffener. E. Lionne. 1,790,240; Jan. 27.
Shoe stiffener and making the same. M. G. Hill and T. H. Bristow. 1,821,939; Sept. 8.
Shoe stiffener and making same. C. E. Swett. 1,831,689; Nov. 10.
Shoe stiffener and process of manufacture. A. L. Clapp. 1,807,621; June 2.
Shoe stiffener material and art of making. F. O. Woodruff. 1,819,011; Aug. 18.
Shoe straightener. F. Sayles. 1,790,952; Feb. 3.
Shoe strap. J. Serla. 1,828,512; Oct. 20.
Shoe stretcher. J. W. Loney. 1,828,742; Oct. 27.
Shoe structure, Turn. F. A. Melchionna. 1,809,247; June 9.
Shoe supporting means. F. V. Hart and H. A. Davenport. 1,831,109; Nov. 10.
Shoe, Swimming. A. Blechner. 1,836,835; Dec. 15.
Shoe tap. P. R. Drew. Des. 83,394; Feb. 17.
Shoe tree. A. R. Anderson. 1,808 828; June 9.
Shoe tree. S. Battilani. 1,800,335; Apr. 14.
Shoe tree, Closed. G. Clausing. 1,830,016; Nov. 3.
Shoe turning machine. W. D. Thomas. 1,830,627; Nov. 3.
Shoe upper and cutting the same. J. Levotch. 1,836,926; Dec. 15.
Shoe upper and method of manufacture. W. F. Packard. 1,815,446; July 21.
Shoe uppers, Machine for lacing. H. E. Enslin. 1,803,308; Apr. 28.
Shoe uppers, Making. H. D. Reed and H. H. Kent. 1,835,967; Dec. 8.
Shoe uppers, Manufacture of. A. Perugia. 1,814,260; July 14.
Shoe uppers, Tempering. H. G. Lumbard. 1,825,191; Sept. 29.
Shoe, Ventilated. A. Jandoc and B. A. Lagmay. 1,804,533; May 12.
Shoe ventilating and sweat preventing device. M. Rosenthal. 1,831,396; Nov. 10.
Shoe, Weeding. C. J. Vieg. 1,819,662; Aug. 18.
Shoe welting. P. C. Arnold. Des. 83,027; Jan. 13.
Shoe welting and its manufacture. P. C. Arnold and W. C. Vizard. 1,828,728; Oct. 27.
Shoe, Woman's. S. Troy. Des. 83,222; Feb. 3.
Shoe, Woman's. S. Troy. Des. 83,883; Apr. 7.
Shoe, Woman's. S. Troy. Des. 84,664; July 14.
Shoe, Woman's. S. Troy. Des. 85,015–18; Sept. 1.
Shoes and last therefor, Forming dipped rubber. A. W. Holmberg and P. H. Watkins. 1,802,764; Apr. 28.
Shoes and lasts, Separating. A. F. Pym. 1,819,440; Aug. 18.
Shoes and their lasts, Machine for effecting relative movements between. J. M. Whelton and A. F. Pym. 1,820,952; Sept. 1.
Shoes, Apparatus for channeling. W. S. Shaft. 1,808,687; June 2.
Shoes, Apparatus for moistening. K. E. Carlson. 1,818,691; Aug. 11.
Shoes, Assembling the uppers of rubber. F. D. Kinney. 1,825,871; Oct. 6.
Shoes, Attachment for. A. M. Mazerock. 1,819,962; Aug. 18.
Shoes, Bottom for football. A. Morisse. 1,797,668; Mar. 24.
Shoes, Bottoming. A. Thoma. 1,796,671; Mar. 17.
Shoes, innersoles, and the like, Making. I. Simon. 1,827,044; Oct. 13.
Shoes, Insole for. M. Masuda. 1,787,487; Jan. 6.
Shoes, Lasting. R. B. McCarthy. 1,819,911; Aug. 18.
Shoes, Making. A. D'Alessandro. 1,811,879; June 30.
Shoes, Making. B. W. Freeman. 1,788,234; Jan. 6.
Shoes, Making. W. J. Kelly. 1,822,852–3; Sept. 8.
Shoes, Making. G. M. Ray. 1,794,245; Feb. 24.
Shoes, Making. R. Rice. 1,834,108; Dec. 1.
Shoes, Making. C. Tweedie. 1,809,364; June 9.
Shoes, Making turned. H. G. Lumbard. 1,789,046; Jan. 13.
Shoes, Manufacture of. G. Goddu. 1,815,296; July 21.
Shoes, Manufacture of. G. Goddu. 1,815,298; July 21.
Shoes, Manufacture of. J. H. Richardson and L. W. Rollins. 1,833,953; Dec. 1.
Shoes, Manufacturing turn. J. F. Crowley. 1,829,787; Nov. 3.
Shoes, Manufacturing vulcanized. R. T. Griffiths. 1,834,582; Dec. 1.
Shoes, Method and apparatus for lasting and rough rounding stitch-down. P. W. Valentine. 1,800,487; Apr. 14.
Shoes, Method for use in the manufacture of. E. E. Winkley. 1,790,191; Jan. 27.
Shoes, Method of and apparatus for making. W. D. Shaffer. 1,793,516; Feb. 24.
Shoes, Method of and machine for making. R. W. Farmer. 1,789,307; Jan. 20.
Shoes, Operating upon. J. B. Hadaway. 1,816,902; Aug. 4.
Shoes, Side guard for. E. Haas. 1,809,845; June 16.
Shoes, Treating the counter portions of. H. H. Beckwith. 1,823,232; Sept. 15.
Shoes, Ventilated. V. Wojciechowski. 1,797,309; Mar. 24.
Shook-assembling bench for crate making. J. H. Stahl. 1,792,777; Feb. 17.
Shook-feeding machine. E. D. Campen. 1,798,834; Mar. 31.
Shook labeling machine. G. A. Aicher. 1,809,262; June 9.
Shooting machine, Automatic. F. C. H. Hansen. 1,819,954; Aug. 18.
Shooting mechanism, Protective. S. K. Shuster. 1,825,926; Oct. 6.
Shop bench. A. M. Barrett. 1,809,153; June 9.
Shop, Dutch mill. F. Krueger. Des. 85,530; Nov. 10.
Shopping bag. E. Daitch. 1,810,347; June 16.
Shopping bag. N. W. Plooster. 1,808,375; June 2.
Shopping bag, Roller. H. Kapolkin. 1,822,893; Sept. 15.
Shore. H. C. Martin. 1,797,616; Mar. 24.
Shore. A. H. Symons. 1,829,550; Oct. 27.
Shore. A. H. Symons. 1,831,613; Nov. 10.
Shore, Adjustable. L. S. Holmboe. 1,832,394; Nov. 17.
Shore attachment. H. W. Roos. 1,796,536; Mar. 17.
Shore attachment. H. W. Roos. 1,811,094; June 23.
Shore head bracket. C. M. Markham. 1,825,912; Oct. 6.
Shoreline and the deflection of currents of water, Apparatus for the conservation of. H. R. Stanford. 1,816,095; July 28.
Shore lines. Treatment of. B. Alby. 1,801,652; Apr. 21.
Shore protecting device. A. M. Shaw. 1,823,224; Sept. 15.
Shoring, Fabricated prop or. E. B. Dowd. 1,794,759; Mar. 3.
Short-circuiting device. H. D. Else. 1,820,694; Aug. 25.
Short-circuiting device. F. I. Hiss. 1,788,194; Jan. 6.
Short circuiting device for motor commutators. E. P. Larsh. Re18,093; June 9.
Short wave reception. H. S. Baird. 1,816,461; July 28.
Short-wave reception. H. O. Peterson. 1,794,730; Mar. 3.
Shoulder strap, Garment. B. Wurm. 1,797,890; Mar. 24.
Short circuiting switch. W. E. Colvin. 1,837,533; Dec. 22.
Shortening composition and method. E. B. Working. 1,831,728; Nov. 10.
Shotgun. E. O. Klebe. 1,834,544; Dec. 1.
Shot shell, Combination loaded. G. T. Segee. 1,830,913; Nov. 10.
Shovel: *See*—
Back digging shovel.
Back strap shovel.
Cultivator shovel.
Culvert shovel.
Excavating shovel.
Hydraulically - operated shovel.
Mechanical shovel.
Power shovel.
Pull shovel.
Snow shovel.
Shovel. A. Demary. 1,829,584; Oct. 27.
Shovel. P. L. Dulaney. 1,795,298; Mar. 10.
Shovel. O. A. Lysne. 1,803,717; May 5.
Shovel. C. S. MacKenzie. 1,812,160; June 30.
Shovel. H. M. Pforsich. 1,800,749; Apr. 14.
Shovel and the like. W. A. Ready. 1,826,022; Oct. 6.
Shovel handle. T. G. Pestak. 1,814,186; July 14.
Shovel head. W. C. Anthony, C. H. Benedict, and L. Wachter. 1,805,028; May 12.
Shovel safety attachment, Steam. G. R. Ingham. 1,811,581; June 23.
Shovel tooth. F. Elwood. 1,804,756; May 12.
Shoveling machine. W. Whaley. 1,797,459; Mar. 24.
Shoveling machine. W. Whaley. 1,814,067; July 14.
Shovels, Dump means for power operated. A. Celabrese. 1,830,224; Nov. 3.
Shovels, Trip device for power. A. E. Rutledge and E. T. Clearv. 1,803,678; May 5.
Show card. D. Stromberg. Des. 85,556; Nov. 10.
Show case. T. C. Campbell. 1,823,085; Sept. 15.
Show case, Illuminated. F. Gossart. 1,816,524; July 28.
Show-case top. U. L. Barnes. 1,788,905; Jan. 13.
Shower bath. J. J. Keefe. 1,825,355; Sept. 29.
Shower bath. W. W. Wanzenberg. 1,835,734; Dec. 8.
Shower bath. H. C. Woolwine. 1,826,336; Oct. 6.
Shower bath trap. J. H. Lonskey. 1,826,555; Oct. 6.
Shower compartment. G. A. Nilson. 1,817,641; Aug. 4

Shower head. J. Fraser. 1,830,694; Nov. 3.
Shower head. J. V. Giesler. 1,791,811; Feb. 10.
Shower pipe. P. H. Mielke. 1,788,469; Jan. 13.
Shredder and grater. A. S. Knapp. 1,834,717; Dec. 1.
Shredding device. W. D. Bost. 1,838,210; Dec. 29.
Shrimp-treating machine. C. Hop On. 1,787,835; Jan. 6.
Shrine. E. Eckert. 1,794,109; Feb. 24.
Shucker, Pea. B. I. Manges. 1,808,470; June 2.
Shunt. P. MacGahan. 1,807,852; June 2.
Shunts, Device for standardizing. L. Baget. 1,821,785; Sept. 1.
Shut-off device, Automatic. P. C. Carlston. 1,807,586; June 2.
Shut-off device for conveyer systems, Safety. S. Olson. 1,820,674; Aug. 25.
Shutter. R. E. Matton. 1,802,953; Apr. 28.
Shutter. T. Ohno. 1,830,405; Nov. 3.
Shutter. S. A. Wilde. 1,797,308; Mar. 24.
Shutter, Air-controlled. J. H. McIlvaine. 1,797,293; Mar. 24.
Shutter, Awning. G. I. Vail. 1,818,286; Aug. 11.
Shutter (comb) for motion picture projection machines, Projection machine. A. Dina. 1,802,709; Apr. 28.
Shutter, Compound ventilating. A. Dina. 1,787,426; Jan. 6.
Shutter control. G. B. Upton and R. V. Hutchinson. 1,792,785; Feb. 17.
Shutter control for air cooled engines. G. B. Upton and R. V. Hutchinson. 1,803,952; May 5.
Shutter control for motion picture machines. T. T. Allen and H. Godoy. 1,803,088; Apr. 28.
Shutter cover, Photographic. W. D. Teague. Des. 83,837; Mar. 31.
Shutter, Dissolving. G. A. Mitchell. 1,812,056; June 30.
Shutter, Fire. H. G. Young. 1,797,311; Mar. 24.
Shutter for auto hoods and locking device therefor. J. J. Kohut. 1,796,756; Mar. 17.
Shutter for automobile radiators. A. Mueller. 1,807,165; May 26.
Shutter for automobiles, Thermostatically operated. M. See. 1,817,398; Aug. 4.
Shutter for cinematographic apparatus. A. L. V. C. Debrie. 1,800,088; Apr. 7.
Shutter for motion-picture-projecting machines. F. T. O'Grady. 1,794,727; Mar. 3.
Shutter for photographic apparatus, Bladed. G. E. Labrély. 1,834,853; Dec. 1.
Shutter for projecting machines. J. Burkhardt. 1,836,224; Dec. 15.
Shutter for projecting machines. J. Burkhardt. 1,838,133; Dec. 29.
Shutter for projectors, Collapsible. C. F. Jenkins. 1,837,776; Dec. 22.
Shutter operating device. A. J. Dieckmann. 1,837,116; Dec. 15.
Shutter operating means for hoods of automobiles. J. L. Barnes. 1,833,768; Nov. 24.
Shutter release. E. Rommel. 1,835,902; Dec. 8.
Shuttle. A. Hannah. 1,836,965; Dec. 15.
Shuttle and bobbin. L. Ludwig. 1,830,612; Nov. 3.
Shuttle and method of manufacture. P. W. Hills. 1,805,090; May 12.
Shuttle and tip, Combined. J. C. Nuver, sr. 1,833,753; Nov. 24.
Shuttle box and connecter therefor, Drop. C. J. Lindegren. 1,811,435; June 23.
Shuttle boxes, Replenishing. H. H. Burdett. 1,812,079; June 30.
Shuttle check, Adjustable. F. Ramm. 1,794,320; Feb. 24.
Shuttle check and release. L. A. Damico. 1,819,946; Aug. 18.
Shuttle check for looms. H. A. Davis. 1,801,542; Apr. 21.
Shuttle eye and making the same. L. C. Baldwin. 1,816,167; July 28.
Shuttle-eye guard. W. H. Sherman. 1,794,871; Mar. 3.
Shuttle feeler and thread cutter, Combined. A. J. Chevrette. 1,811,425; June 23.
Shuttle, Filling replenishing. F. E. Douglas. 1,812,087; June 30.
Shuttle for looms. T. S. Wilson and W. Cunliffe. 1,800,770; Apr. 14.
Shuttle for separators. J. C. Pettit. 1,826,633; Oct. 6.
Shuttle from wood. R. Engelhardt. 1,832,971; Nov. 24.
Shuttle, Loom. R. H. More. 1,800,652; Apr. 14.
Shuttle, Loom. W. I. Stimpson. 1,798,178; Mar. 31.
Shuttle mechanism. F. Ashworth. 1,824,065; Sept. 22.
Shuttle operating mechanism. J. E. Barbour. 1,807,333; May 26.
Shuttle peg or tong. F. Crossley. 1,834,334; Dec. 1.
Shuttle picker. J. B. Schultz. 1,826,484; Oct. 6.
Shuttle, Self threading. H. A. Davis. 1,817,895; Aug. 4.
Shuttle, Sewing machine. F. Ashworth. 1,812,857; July 7.
Shuttle, Sewing machine. N. D. Keith. 1,812,098; June 30.
Shuttle tension. A. Hannah. 1,809,849; June 16.
Shuttle threader. L. A. Cadoret. 1,811,424; June 23.
Shuttles. R. and F. Sedlatschek. 1,787,555; Jan. 6.
Shuttles, Weft tension device for. A. S. Hutchins. 1,826,315; Oct. 6.
Shuttles within the shuttle box of looms, Device for checking or arresting. N. Catterall. 1,819,943; Aug. 18.
Side frame section. C. B. Harbison. 1,827,787; Oct. 20.
Sidewalk, Moving. M. L'Heritier. 1,793,498; Feb. 24.
Siemens-Martin furnace. F. Fiorelli. 1,838,541; Dec. 29.
Sieve. A. E. Eriksson. 1,821,261; Sept. 1.
Sieve. E. Heyman. 1,814,552; July 14.
Sieve and producing the same, Shaker. R. Herrmann. 1,830,792; Nov. 10.
Sieve, Cleaning. E. F. Altman. 1,808,742; June 9.
Sieve for wood pulp digesters, Bottom. E. Morterud. 1,833,848; Nov. 24.
Sieve, Grain beater. T. E. Divoky. 1,820,055; Aug. 25.
Sieve machine for the manufacture of multiple-web papers and card board, Long-. P. Erkens. 1,799,092; Mar. 31.
Sieve, Rotary dewatering. J. Strindlund. 1,816,132; July 28.
Sieves, Making mesh. R. Herrman. 1,814,598; July 14.
Sifter. F. Clark. 1,807,587; June 2.
Sifter, Flour. A. E. Bruffee. 1,837,807; Dec. 22.
Sifter, Flour. T. G. Melish. 1,802,923; Apr. 28.
Sifter, Flour. T. G. Melish. 1,835,235; Dec. 8.
Sifter for flour, etc. O. N. McCormick. 1,808,426; June 2.
Sifter, Laboratory. O. L. Moore. 1,795,960; Mar. 10.
Sifter, Powder. W. Friedman. 1,790,580; Jan. 27.
Sifter, Reversible. F. Clark. 1,795,835; Mar. 10.
Sifter, Shaking. M. Hesse. 1,794,075; Feb. 24.
Sifter structure. W. G. Kirchhoff. 1,829,707; Oct. 27.
Sifter top for powder cans. R. W. Ringenberg. 1,796,122; Mar. 10.
Sifting top can. C. Gueritey. 1,803,799; May 5.
Sight device for print mounting. K. Ketzscher. 1,821,810; Sept. 1.
Sight, Diving bomb. G. Gardner. 1,821,431; Sept. 1.
Sight mechanism, Rear. J. D. Pedersen. 1,834,637; Dec. 1.
Sight-singing, Apparatus for teaching. C. J. Lamp. 1,821,311; Sept. 1.
Sighting device for shotguns. S. G. Ewen. 1,835,938; Dec. 8.
Sighting mark for refractors, or the like. T. W. Rolph. 1,830,484; Nov. 3.
Sign. S. S. Adams. 1,808,878; June 9.
Sign. W. H. Babcock. 1,822,265; Sept. 8.
Sign. C. E. Baer. 1,820,008; Aug. 25.
Sign. W. H. Balk. 1,826,162; Oct. 6.
Sign. J. Bielski. Des. 83,490; Mar. 3.
Sign. F. T. Brown. 1,807,649; June 2.
Sign. G. P. Butler. 1,802,939; Apr. 28.
Sign. D. S. Campbell. Des. 83,794; Mar. 31.
Sign. J. T. Carr. 1,805,327; May 12.
Sign. W. Carter. 1,810,756; June 16.
Sign. S. S. Chadderton. Des. 85,086; Sept. 15.
Sign. J. T. Cochran. 1,820,964; Sept. 1.
Sign. W. C. Cortelyou. 1,788,278; Jan. 6.
Sign. R. M. Craig. 1,803,596; May 5.
Sign. R. M. Craig. 1,836,905; Dec. 15.
Sign. A. M. Ducey. 1,822,084; Sept. 8.
Sign. H. N. Durham. 1,794,886; Mar. 3.
Sign. J. C. Ehlenfeld. 1,825,996; Oct. 6.
Sign. C. A. Graves. Des. 84,694; July 21.
Sign. N. T. Harrington. 1,837,545; Dec. 22.
Sign. A. Harris. 1,831,532; Nov. 10.
Sign. J., N. E., and W. I. Haslun. 1,816,776; July 28.
Sign. E. Higgins. 1,795,126; Mar. 3.
Sign. J. T. Horni. 1,789,466; Jan. 20.
Sign. J. Hornibrook. 1,802,425; Apr. 28.
Sign. C. Humphreys. 1,825,149; Sept. 29.
Sign. G. H. Lackner. Des. 83,866; Apr. 7.
Sign. J. A. Lawrence. 1,797,508; Mar. 24.
Sign. L. Le Blanc. 1,800,087; Apr. 7.
Sign. A. J. Mentink. 1,788,468; Jan. 13.
Sign. A. L. Morgan. 1,801,316; Apr. 21.
Sign. C. C. Mueller, jr., and D. C. Wendel. 1,824,444; Sept. 22.
Sign. J. P. Naylor. 1,820,086; Aug. 25.
Sign. W. E. Oishei and F. Wieland. 1,828,716; Oct. 20.
Sign. D. D. Palmer. Des. 83,877; Apr. 7.
Sign. H. W. Penrose. 1,813,462; July 7.
Sign. J. P. Ryan. Des. 84,261; May 26.
Sign. R. C. Smalley and W. E. Moorefield. 1,826,388; Oct. 6.
Sign. A. Sprung. Des. 83,360; Feb. 17.
Sign. J. F. Winer and N. N. Mayo. 1,814,995; July 14.
Sign, Advertising. R. B. Bencker and B. E. Howden. Des. 84,618–19; July 14.
Sign, Advertising. A. H. Brackensey. 1,789,667; Jan. 20.
Sign, Advertising. R. F. Crawford. 1,796,862; Mar. 17.
Sign, Advertising. C. R. Dunwody. 1,794,677; Mar. 3.
Sign, Advertising. L. Gans. 1,798,199; Mar. 31.
Sign, Advertising. H. W. Harrington. Des. 83,043; Jan. 13.
Sign, Advertising. F. H. Johnson. 1,828,703; Oct. 20.
Sign, Advertising. N. Kopp. Des. 84,527; June 30.
Sign, Advertising. J. F. B. Litic. 1,834,066; Dec. 1.
Sign, Advertising. A. Resenstein. 1,803,439; May 5.
Sign, Advertising. S. Schwartz. 1,807,442; May 26.
Sign, Advertising display. W. H. Black. 1,810,339; June 16.
Sign and display device. M. Wasserberg. 1,805,504; May 19.
Sign and mirror, Combined electric. M. D. Bedrossyan. 1,805,798; May 19.
Sign and wreath support, Combined illuminated. J. F. Breslin, jr. 1,806,667; May 26.
Sign apparatus. G. P. Liss. 1,813,062; July 7.

Signboard. G. K. Lewis. 1,818,722; Aug. 11.
Signboard advertising, Apparatus for audible. F. W. Bonitz. 1,810,264; June 16.
Signboard, Rotary. L. A. Burch. 1,809,960; June 16.
Sign board, Storm or windproof. J. A. Marx and W. W. Lower. 1,823,404; Sept. 15.
Sign bracket. W. K. Summerhayes, jr. 1,792,615; Feb. 17.
Sign, Changeable. R. M. Craig. 1,803,598; May 5.
Sign, Changeable. J. George. 1,809,332; June 9.
Sign, Changeable. W. Little. 1,803,118; Apr. 28.
Sign, Changeable. R. L. Schwartz and W. P. Martin. 1,790,598; Jan. 27.
Sign, Changeable. J. D. Self. 1,818,509; Aug. 11.
Sign, Changeable. F. R. Strehl. 1,800,913; Apr. 14.
Sign, Changeable-letter. S. J. Callender. 1,797,322; Mar. 24.
Sign, Changeable letter. E. M. Clark. 1,831,228; Nov. 10.
Sign, Combined daylight and illuminated. A. O. Kellogg. 1,811,053; June 23.
Sign, Composite character. L. L. Rustad. Des. 84,653; July 14.
Sign construction. C. E. Fitch. 1,824,204; Sept. 22.
Sign, Display. L. Ebert. Des. 82,982–3; Jan. 6.
Sign, Display. E. G. Goudey, D. A. Stevens, and L. C. Crafts. 1,809,688; June 9.
Sign, Display. C. L. Lewis. 1,812,209; June 30.
Sign, Display. J. Pasini. 1,812,979; July 7.
Sign, Display. D. T. Turner. 1,838,887; Dec. 29.
Sign, Display. W. B. Wilson. 1,803,884; May 5.
Sign display stand. F. D. Courtenay. Des. 84,130; May 12.
Sign display stand. A. Lewis. Des. 85,587; Nov. 17.
Sign, Electric. M. C. Balder. 1,812,919; July 7.
Sign, Electric. E. G. Goddard. 1,814,379; July 14.
Sign, Electric. F. Hotchner and R. L. Slater. 1,791,241; Feb. 3.
Sign, Electric. H. W. Lawrence. 1,838,415; Dec. 29.
Sign, Electric. L. I. Matthews. 1,813,414; July 7.
Sign, Electric. R. R. Wiley. 1,829,321; Oct. 27.
Sign, Electric color ray. H. Harase. 1,830,026; Nov. 3.
Sign exhibitor. C. T. Marton. 1,824,284; Sept. 22.
Sign exhibitor, Advertising. H. R. Hyde. 1,836,664; Dec. 15.
Sign exhibitor, Movable. S. Caller. 1,812,621; June 30.
Sign for advertising and other purposes. E. Simmons. 1,799,709; Apr. 7.
Sign for vehicles. M. F. Dean. Des. 83,513; Mar. 3.
Sign frame clamp. H. T. Hallowell. 1,835,980; Dec. 8.
Sign frame, Portable. F. Bennett and H. T. Hallowell. 1,828,239; Oct. 20.
Sign frame, Portable. H. T. Hallowell and F. Bennett. 1,832,775. Nov. 17.
Sign, Gaseous tube lamp. F. Schaefer. 1,804,062; May 5.
Sign, Gateway road. J. H. Peterson. Des. 83,125; Jan. 20.
Sign, Highway. H. Janssen. Des. 83,678; Mar. 17.
Sign, Highway. P. A. Preus. 1,817,646; Aug. 4.
Sign, Highway advertising. E. W. Sudduth. 1,808,692; June 2.
Sign hook. J. Nelson. 1,809,562; June 9.
Sign, Ice. W. H. Sandefur. 1,800,106; Apr. 7.
Sign, Illuminated. W. Benerman. 1,818,879; Aug. 11.
Sign, Illuminated. M. L. and I. E. Dwyer. 1,808,456; June 2.
Sign, Illuminated. P. Eisenberg. 1,788,427; Jan. 13.
Sign, Illuminated. A. H. Ellis. 1,826,512; Oct. 6.
Sign, Illuminated. H. Glenne. 1,794,954; Mar. 3.
Sign, Illuminated. J. E. Gross. 1,814,150; July 14.
Sign, Illuminated. J. W. Kelly. 1,820,912; Sept. 1.
Sign, Illuminated. J. W. and D. J. Kelly. 1,820,913; Sept. 1.
Sign, Illuminated. M. M. Kennedy. 1,801,746; Apr. 21.
Sign, Illuminated. J. K. King. 1,797,094; Mar. 17.
Sign, Illuminated. M. Norden. 1,795,572; Mar. 10.
Sign, Illuminated. H. K. Palmer. 1,824,620; Sept. 22.
Sign, Illuminated. E. Pinkus. 1,806,915; May 26.
Sign, Illuminated. F. Schafer. 1,792,124; Feb. 10.
Sign, Illuminated. A. K. Wood. 1,809,370; June 9.
Sign, Illuminated shiftable word. O. W. Mortenson and G. E. Thelin. 1,836,983; Dec. 15.
Sign, Illuminated street. H. Janssen. Des. 83,679; Mar. 17.
Sign, Illuminated tube. C. F. Covey. 1,814,831; July 14.
Sign, Illuminating. H. Adelmann. 1,816,459; July 28.
Sign, Illumination. M. P. Kirk. 1,809,243; June 9.
Sign, Interchangeable. M. Send. 1,805,378; May 12.
Sign, Light-reflecting. H. Bruckner. 1,800,673; Apr. 14.
Sign, Luminous. F. A. Krotzer and W. B. Crandall. 1,818,980; Aug. 18.
Sign, Luminous. A. Rava. 1,787,595; Jan. 6.
Sign, Luminous display or reflector. J. C. Stimson. 1,809,761; June 9.
Sign, Luminous-tube. W. I. Staaf, jr. 1,792,611; Feb. 17.
Sign, Movable. T. J. Carroll. 1,822,798; Sept. 8.
Sign, Movable. J. N. Ecönomos. 1,799,890; Apr. 7.
Sign, Neon. E. S. Woolrich. 1,827,275; Oct. 13.
Sign, Neon optical. S. Kamin. Des. 84,086; May 5.
Sign, Night aerial advertising. R. Rohlfs. 1,817,269; Aug. 4.
Sign or advertising device, Automatically changing. F. L. Beddison. 1,816,716; July 28.
Sign or marker, Curb. N. B. Riddle. 1,823,843; Sept. 15.
Sign or the like and fastening means therefor, Night aerial advertising. R. Rohlfs. 1,817,268; Aug. 4.
Sign, Parking. T. R. Davis. 1,788,232; Jan. 6.
Signpost or the like. W. J. Scholl. Des. 83,757; Mar. 24.
Sign printer, Photo. H. E. Rankin. 1,798,109; Mar. 24.
Sign, Reflecting. W. K. C. Beerstecher. 1,795,071; Mar. 3.
Sign, Reflecting. J. B. Ferguson. 1,832,196; Nov. 17.
Sign, Reflecting. H. L. Stringer. 1,801,698; Apr. 21.
Sign, Reflector. F. W. Bowerman. 1,807,374; May 26.
Sign, Revolving. R. M. Craig. 1,803,597; May 5.
Sign, Revolving. J. B. Whitlow. 1,825,564; Sept. 29.
Sign, Revolving advertising. R. M. Smith and F. Hermanski. 1,794,740; Mar. 3.
Sign, Road. W. H. Carson. Des. 84,566; July 7.
Sign, Road. W. H. Carson. 1,817,064; Aug. 4.
Sign, Road. B. S. Knabenshue. Des. 83,550; Mar. 3.
Sign, Road. C. H. Mackey and S. E. Preble. 1,821,227; Sept. 1.
Sign, Rotatable. F. L. Hinks. 1,801,274; Apr. 21.
Sign, Speller. A. W. Sievers. 1,798,908; Mar. 31.
Sign, Street. W. M. Powers. 1,811,594; June 23.
Sign, Street. A. Sprung. 1,826,581; Oct. 6.
Sign, Street car. K. Klug. 1,812,344; June 30.
Sign, Swinging. H. V. Marsh. 1,836,380; Dec. 15.
Sign, Swinging. H. V. Marsh. 1,838,230; Dec. 29.
Sign system, Universal electric. F. J. Sprague. 1,835,912; Dec. 8.
Sign, Traffic. W. M. Rand. 1,833,124; Nov. 24.
Sign, Traffic regulating. M. Heine. 1,811,546; June 23.
Signs, Controller for electrical. T. J. Main. 1,814,943; July 14.
Signs for removably fastening motives to supporting surfaces, Device in. P. Horn. 1,803,256; Apr. 28.
Signs, Illuminated character for electric. C. J. Wamser. 1,830,414; Nov. 3.
Signs, Making glass. C. J. Olson. 1,810,526; June 16.
Signs, Structure for. A. Hershfield. 1,804,770; May 12.
Signal: *See*—

Alarm signal.	Marine signal.
Auto signal.	Oscillating signal.
Automobile or traffic signal.	Railway signal.
Automobile signal.	Reflector signal.
Crossing signal.	Sound signal.
Direction signal.	Speed reduction signal.
Direction indicating signal.	Stop and turning signal.
Directional signal.	Stop signal.
Electric signal.	Track signal.
Elevator signal.	Traffic signal.
Fishing signal.	Vehicle direction signal.
Football down signal.	Vehicle signal.
Grade-crossing signal.	Warning signal.
Light signal.	

Signal. L. G. Bacon. 1,815,662; July 21.
Signal. P. R. Bassett. 1,797,394; Mar. 24.
Signal. H. M. Brown. 1,801,236; Apr. 14.
Signal. C. Domenigoni. 1,834,830; Dec. 1.
Signal. H. G. Runne. 1,804,233; May 5.
Signal. W. E. Signor. 1,792,250; Feb. 10.
Signal. H. J. Steckroth. 1,795,520; Mar. 10.
Signal. D. G. Vaughn. 1,834,882; Dec. 1.
Signal amplifying and repeating system, Electrical. B. F. Miessner. 1,789,950; Jan. 20.
Signal amplifying system and method. H. S. Baird. 1,816,462; July 28.
Signal and brake system. T. H. Thomas. 1,832,921; Nov. 24.
Signal and control system. M. E. Fultz. 1,788,513; Jan. 13.
Signal and control system. F. Konn. 1,821,758; Sept. 1.
Signal and motor control for simplex printers, Automatic call. E. W. Hewitt. 1,801,348; Apr. 21.
Signal apparatus. L. E. Demasters. 1,789,730; Jan. 20.
Signal apparatus. H. E. Ives. 1,837,364; Dec. 22.
Signal apparatus, Alarm. E. J. Deary. 1,795,843; Mar. 10.
Signal apparatus, Railway. J. A. C. King. 1,796,377; Mar. 17.
Signal code sending device. H. Burdick. 1,823,586; Sept. 15.
Signal code sending device and system. H. Burdick. 1,809,020; June 9.
Signal device. J. R. Brooks. 1,829,730; Nov. 3.
Signal device. G. B. Graff and R. A. Stewart. 1,807,100; May 26.
Signal device. L. O. Parker. 1,835,239; Dec. 8.
Signal device and garment protector for automobile drivers. L. V. Gasperini. 1,796,782; Mar. 17.
Signal device, Automatic. E. I. Haynes. 1,799,512; Apr. 7.
Signal device, Automobile. P. W. Murray. 1,808,677; June 2.
Signal device for indicating cooking temperatures of waffle irons and the like. J. F. Lamb. 1,797,427; Mar. 24.
Signal device for record sheets. C. H. Law. 1,819,251; Aug. 18.
Signal device for vehicles. M. Clar. 1,821,691; Sept. 1.
Signal device for vehicles. M. S. Silva and A. J. Roberts 1,790,847; Feb. 3.
Signal device, Two-way. M. S. Silva. 1,796,694; Mar. 17.
Signal distortion indicator. R. J. Wise. 1,805,349; May 12.
Signal equipment for railway vehicles. A. D. Whamond and C. G. Salenius. 1,837,843; Dec. 22.

Signal for automobiles, Direction indicating. F. N. Tonkinson. 1,837,380; Dec. 22.
Signal for automobiles, Directional. W. J. Schirmann. 1,838,575; Dec. 29.
Signal for automobiles, Gasoline reserve. W. H. Muzzy. 1,812,012; June 30.
Signal for automotive vehicles, Directional. A. Giannopulos. 1,793,079; Feb. 17.
Signal for choke-control devices and the like. R. H. Bell. 1,799,351; Apr. 7.
Signal for motor vehicles, Audible. H. A. Buckert. 1,796,826; Mar. 17.
Signal for motor vehicles, Direction. J. C. Chester. 1,829,890; Nov. 3.
Signal for motor vehicles, Direction. R. S. Cunard. 1,805,717; May 19.
Signal for motor vehicles, Direction. A. H. Gerber and J. P. Marchal. 1,819,087; Aug. 18.
Signal for motor vehicles, Direction. J. Hildebrant. 1,790,583; Jan. 27.
Signal for motor vehicles, Direction. J. P. Williams. 1,815,367; July 21.
Signal for vehicles, Direction. H. G. Spraker. 1,827,271; Oct. 13.
Signal for motor vehicles, Directional. M. Wehner. Des. 85,270; Sept. 29.
Signal for motor vehicles, Traffic. A. D. Angelides. 1,816,813; Aug. 4.
Signal for motor vehicles, Visor. T. J. Law. 1,811,440; June 23.
Signal for photographic apparatus. A. W. Caps. 1,824,258; Sept. 22.
Signal for turning corners. L. Horstman. 1,810,966; June 23.
Signal horn. C. S. Kelley. 1,805,627; May 19.
Signal indicator, Traffic. A. L. Cowdrey. 1,814,667; July 14.
Signal-interpolating system. W. A. Knoop. 1,799,627; Apr. 7.
Signal lamp. D. Anglada. 1,820,642; Aug. 25.
Signal light, Automatic. H. G. Mosher. 1,827,481; Oct. 13.
Signal lights and the like, System for controlling. P. R. Forman. 1,795,301; Mar. 10.
Signal monitoring device. A. M. Curtis. 1,812,625; June 30.
Signal or indicating device for speedometers for vehicles, Speed limit. P. A. Kourtzman. 1,828,053; Oct. 20.
Signal receiving and distributing system. F. Hoke, 1,804,559; May 12.
Signal-receiving system. F. A. Kolster and G. G. Kruesi. 1,787,582; Jan. 6.
Signal, Road. C. H. Fowler. 1,813.890; July 7.
Signal switch. H. V. Cox. 1,822,956; Sept. 15.
Signal switch. J. M. Osgian. 1,808,316; June 2.
Signal switch. J. M. Osgian. 1,819,196; Aug. 18.
Signal switch, Automobile. B. H. Gray. 1,803,246; Apr. 28.
Signal switch, Automobile traffic-. S. P. Haynes and H. Butcher. 1,798,603; Mar. 31.
Signal switch, Turning. W. M. Roy. 1,828,950; Oct. 27.
Signal switch, Vehicle. C. A. Greenawalt. 1,790,142; Jan. 27.
Signal system. B. E. Cover. 1,788,618; Jan. 13.
Signal system. W. A. Tolson. 1,792,335; Feb. 10.
Signal system. W. H. Wood and I. W. Crouse. 1,830,498; Nov. 3.
Signal system and apparatus for boilers. J. C. Jackson. 1,803,852; May 5.
Signal system, Busy trunk line. E. A. Demonet and P. S. Copenhaver. 1,814.899; July 14.
Signal system, Electric. F. H. Richterkessing. 1,822,503; Sept. 8.
Signal system, Electric. T. H. Thomas. 1,790,180; Jan. 27.
Signal system, Electric. T. H. Thomas. 1,837,378; Dec. 22.
Signal system for elevators. H. J. Fear. 1,811,622; June 23.
Signal system, Police. G. F. C. Bauer. 1,797,281; Mar. 24.
Signal system, Responsive. W. N. Dickinson. 1,823,319; Sept. 15.
Signal system, Selective. W. F. Eames. 1,822,085; Sept. 8.
Signal systems, Apparatus for testing. J. A. C. King. 1,796,376; Mar. 17.
Signal systems, Apparatus for testing railroad. E. P. Chase. 1,801,767; Apr. 21.
Signal timing device. W. H. Bell. 1,818,983; Aug. 18.
Signal transmission by guided and unguided waves. R. R. Adams and E. V. Griggs. 1,811,102; June 23.
Signal transmission system. R. C. Mathes. 1,816,599; July 28.
Signal transmitter and valve control means, Trapped key. J. G. Nolen. 1,810,323; June 16.
Signal transmitter, Non-interference. C. M. Sackman. 1,812,173; June 30.
Signal transmitting system. G. M. Wright and S. B. Smith. 1,804,136; May 5.
Signal viewing attachment for automobiles. B. W. Davis. 1,808,208; June 2.
Signaling. C. W. Hansell. 1,803,504; May 5.
Signaling. W. Runge. 1,794,645; Mar. 3.
Signaling. F. M. Ryan. 1,796,965; Mar. 17.
Signaling. R. A. Weagant. 1,794,878; Mar. 3.
Signaling and apparatus, Selective. E. E. Kleinschmidt. 1,821,165; Sept. 1.
Signaling and communication system. H. W. O'Neill. 1,823,120; Sept. 15.
Signaling and indicating apparatus. A. Becq. 1,814,465; July 14.
Signaling and safety device systems, Controlling automatic. O. M. Walrath. 1,798,992; Mar. 31.
Signaling apparatus. E. R. Hentschel. 1,830,837; Nov. 10.
Signaling apparatus. H. O. Holte. 1,805,092; May 12.
Signaling apparatus. C. Miller. 1,831,873; Nov. 17.
Signaling apparatus. D. W. Richards. 1,795,444; Mar. 10.
Signaling apparatus, Aircraft. M. Castro. 1,814,786; July 14.
Signaling apparatus, Automobile. A. L. Weis. 1,832,675; Nov. 17.
Signaling apparatus for motor vehicles. C. F. Capell. 1,806,670; May 26.
Signaling apparatus, Railway. J. H. Butridge. 1,830,190; Nov. 3.
Signaling apparatus, Railway. B. H. Peter. 1,821,029; Sept. 1.
Signaling by frequency modulation. H. O. Peterson. 1.789.371; Jan. 20.
Signaling device. N. W. Bully and H. Rupright. 1,798,966; Mar. 31.
Signaling device. B. A. Crenshaw. 1,836,705; Dec. 15.
Signaling device. S. M. Dover. 1,820,605; Aug. 25.
Signaling device. A. S. Halverson. 1,800,068; Apr. 7.
Signaling device. C. E. McCollam. 1,802,922; Apr. 28.
Signaling device. H. E. Platt. 1,803,808; May 5.
Signaling device. B. C. Robberson. 1,788,327; Jan. 6.
Signaling device. T. J. Scofield. 1.789.948; Jan. 20.
Signaling device. T. J. Scofield and F. W. Billig. 1,822,674; Sept. 8.
Signaling device. T. J. Scofield and L. E. Johnson. 1,789,947; Jan. 20.
Signaling device. T. J. Scofield, L. E. Johnson, F. W. Billig, and W. Sparks. 1,788,350; Jan. 6.
Signaling device. T. J. Scofield and D. T. Owen. Des. 83,133; Jan. 20.
Signaling device. K. L. Scott. 1,831,037; Nov. 10.
Signaling device. H. B. Whiting. 1,800,331; Apr. 14.
Signaling device, Automobile. F. J. and E. T. Jaros. 1,810,968; June 23.
Signaling device, Automobile. T. H. Lester. 1,819,902; Aug. 18.
Signaling device for adding machines and the like. W. E. Long. 1,793,410; Feb. 17.
Signaling device for an automatic lathe. D. Turcott. 1,804,720; May 12.
Signaling device for automobiles. G. Duval. 1,814,301; July 14.
Signaling device for pneumatic tires. J. B. Bianchi. 1,838,295; Dec. 29.
Signaling device for telegraph systems. R. S. Wishart. 1,835,549; Dec. 8.
Signaling device for vehicles. M. E. Hover. 1,818,624; Aug. 11.
Signaling device, Musical. L. A. Prestek. 1,826,635; Oct. 6.
Signaling device working with current-impulse combination, Long-distance. R. Bornschein. 1,797,711; Mar. 24.
Signaling device, Railway. J. C. Hoffman. 1,806,291; May 19.
Signaling, Electrical. H. Chireix. 1,789,303; Jan. 20.
Signaling for telephone systems, Class. M. Mathias. 1,793,651; Feb. 17.
Signaling, High-frequency. R. E. Coram. 1,797,284; Mar. 24.
Signaling, High frequency. B. W. Kendall. 1,835,783; Dec. 8.
Signaling installation for the protection of roads at level crossings. P. Bouthors. 1,798,302; Mar. 31.
Signaling light, Automobile direction. M. Keating. Des. 85,478; Nov. 3.
Signaling, Method and system of secret. R. W. Chestnut, H. J. Fisher, and A. J. Sanial. 1,829,783; Nov. 3.
Signaling or indicating device. N. Deisch. 1,816,112; July 28.
Signaling, Railway. C. A. Brooks and J. M. Pelikan. 1,812,135; June 30.
Signaling, Railway. E. E. Parrill. 1,812,167; June 30.
Signaling, Railway. M. A. Penrod, H. S. Young, and C. A. Brooks. 1,806,820; May 26.
Signaling, Railway. E. C. Sasnett. 1,809,604; June 9.
Signaling, Railway. H. S. Young and C. A. Brooks. 1,828,014; Oct. 20.
Signaling switch, Electrical. W. W. Woodroof. 1,827,342; Oct. 13.
Signaling system. H. E. Allen. 1,795,193; Mar. 3.
Signaling system. J. R. Balsley. 1,788,078; Jan. 6.
Signaling system. B. L. Bobroff. 1,826,501; Oct. 6.
Signaling system. H. D. Bulloch. 1,787,508; Jan. 6.
Signaling system. H. P. Clausen. 1,804,675; May 12.
Signaling system. M. G. Crosby. 1,835,761; Dec. 8.
Signaling system. W. L. Edison. 1,800,821; Apr. 14.
Signaling system. W. L. Edison. 1,815,055; July 21.
Signaling system. A. C. Finney. 1,833,866; Nov. 24.

Signaling system. J. J. Gilbert. 1,808,540; June 2.
Signaling system. J. W. Gooderham. 1,799,811; Apr. 7.
Signaling system. R. A. Heising. 1,823,360; Sept. 15.
Signaling system. H. E. Hershey. 1,832,118; Nov. 17.
Signaling system. W. H. T. Holden. 1,814,158; July 14.
Signaling system. J. W. Horton. 1,788,522; Jan. 13.
Signaling system. M. B. Kerr. Re18,126; July 7.
Signaling system. W. A. Knoop. 1,812,635; June 30.
Signaling system. M. E. Krom. 1,837,448; Dec. 22.
Signaling system. J. Meszar. 1,835,802; Dec. 8.
Signaling system. G. E. Morley. 1,800,559; Apr. 14.
Signaling system. N. D. Newby. 1,829,836–7; Nov. 3.
Signaling system. H. L. A. F. Nozieres. 1,794,708; Mar. 3.
Signaling system. R. S. Ohl. 1,805,591; May 19.
Signaling system. R. K. Potter. 1,805,596; May 19.
Signaling system. R. K. Potter. 1,836,129; Dec. 15.
Signaling system. R. D. Salmon. 1,835,531; Dec. 8.
Signaling system. J. C. Schelling. 1,813,961; July 14.
Signaling system. M. Taniguchi. 1,817,782; Aug. 4.
Signaling system. G. S. Vernam. 1,801,380; Apr. 21.
Signaling system and apparatus therefor. E. E. Kleinschmidt. 1,793,700; Feb. 24.
Signaling system, Cable. J. J. Gilbert. 1,806,754; May 26.
Signaling system, Communication. M. H. Woodward. 1,834,265; Dec. 1.
Signaling system, Delinquency. J. W. Bryce. 1,819,699; Aug. 18.
Signaling system, Electrical. J. K. Grondahl. 1,790,985; Feb. 3.
Signaling system for material handling apparatus. S. McMullan. 1,833,654; Nov. 24.
Signaling system for railroads. O. H. Dicke. 1,794,592; Mar. 3.
Signaling system for railroads. O. H. Dicke. 1,824,126; Sept. 22.
Signaling system for railroads. G. E. Duffy and F. T. Casper. 1,824,128; Sept. 22.
Signaling system for railroads. C. F. Estwick. 1,822,572; Sept. 8.
Signaling system for railroads. W. K. Howe. 1,824,147; Sept. 22.
Signaling system for railroads. W. H. Reichard. 1,824,173; Sept. 22.
Signaling system for railroads. S. N. Wight. 1,824,184; Sept. 22.
Signaling system for railroads. J. N. Willing. 1,824,251; Sept. 22.
Signaling system for railways and the like, Track. L. H. Peter. 1,792,602; Feb. 17.
Signaling system, High frequency. E. Austin. 1,803,161; Apr. 28.
Signaling, System of selective. G. A. Somersalo. 1,811,443; June 23.
Signaling system, Privacy. R. Bown. 1,816,953; Aug. 4.
Signaling system, Radio. E. F. W. Alexanderson 1,790,646; Feb. 3.
Signaling system, Railway. C. A. Brooks and H. C. Vantassel. 1,790,525; Jan. 27.
Signaling system, Railway. G. Kemmann. 1,808,661; June 2.
Signaling system, Railway. R. A. McCann and C. A. Brooks. 1,793,184; Feb. 17.
Signal system, Railway. S. E. McFarland. 1,787,752; Jan. 6.
Signaling system, Railway. L. E. Spray. 1,790,524; Jan. 27.
Signaling system, Railway. H. S. Young. 1,790,526; Jan. 27.
Signaling system, Selective. W. L. Shafer. 1,833,000; Nov. 24.
Signaling system, Selective. T. U. White. 1,830,974; Nov. 10.
Signaling system, Submarine. A. M. Curtis. 1,788,508; Jan. 13.
Signaling system, Telegraph. F. J. Singer. 1,791,579; Feb. 10.
Signaling system, Telephone and telegraph. G. C. Cummings. 1,812,624; June 30.
Signaling system, Wave. J. Robinson. 1,821,032; Sept. 1.
Signaling systems, Frequency-adjusting means for high-frequency. C. L. Davis. 1,796,863; Mar. 17.
Signaling systems, Potential-indicating device. A. M. Trogner. 1,796,637; Mar. 17.
Signaling systems, Receiving apparatus for high-frequency. N. P. Hinton. 1,788,106; Jan. 6.
Signals, Adjusting means for colored-light. W. K. Howe. 1,794,617; Mar. 3.
Signals and messages, Rapid transmission of. M. Cremer. 1,828,556; Oct. 20.
Signals, Apparatus for receiving submarine. W. Kunze. 1,797,351; Mar. 24.
Signals, Apparatus for the control of highway crossing. G. W. Baughman. 1,827,772; Oct. 20.
Signals, Apparatus for the control of highway-crossing. L. O. Grondahl. 1,792,835; Feb. 17.
Signals, Apparatus for the control of highway-crossing. H. C. Vantassel. 1,797,302; Mar. 24.
Signals, Apparatus for the control of highway crossing. H. C. Vantassel and G. R. Pflasterer. 1,812,183; June 30.
Signals, Apparatus for the control of highway crossing. P. F. Willard and G. R. Pflasterer. 1,820,170; Aug. 25.
Signals, Detection of frequency modulated. C. W. Hansell. 1,813,922; July 14.
Signals, Interrupter for warning. R. F. Mack. 1,828,608; Oct. 20.
Signals, Mechanism for operating three-position railway. W. J. Underwood. 1,796,674; Mar. 17.
Signals, Method and apparatus for receiving wireless. W. M. Bruce. 1,824,803; Sept. 29.
Signals, Method of and apparatus for recording electrical. M. Volmer. 1,796,584; Mar. 17.
Signals, Receiving, recording, and reproducing broadcast. E. E. Clement. 1,798,066; Mar. 24.
Signals, Secret transmission of. C. Schapira. 1,809,070; June 9.
Signature assembling and stitching machine. E. R. Kast. 1,831,497; Nov. 10.
Signature handling machine. E. R. Kast. 1,829,833; Nov. 3.
Silencer. K. J. Reynolds. 1,812,413; June 30.
Silencer. R. B. Bourne. 1,816,109; July 28.
Silencer. R. B. Bourne. 1,818,375; Aug. 11.
Silencer. R. B. Bourne. 1,821,688; Sept. 1.
Silencer, Exhaust gas. F. F. Hamilton. 1,821,013; Sept. 1.
Silica alumina refractories. P. G. Willetts. 1,832,678; Nov. 17.
Silica catalyst and preparing same from chrysocolla, Porous. R. L. Jenkins and J. F. Norris. 1,835,055; Dec. 8.
Silica gel, Regeneration of active. G. Kröner and F. W. Stauf. 1,806,690; May 26.
Silica, Making precipitated. J. W. Church. 1,819,356; Aug. 18.
Silicate refractory and forming same. J. D. Morgan. 1,807,543; May 26.
Silicates and product thereof, Preparing natural base exchange. A. S. Behrman. 1,838,171; Dec. 29.
Siliceous material and producing the same. A. S. Behrman. 1,811,531; June 23.
Silicon carbide refractory articles and making the same. M. L. Hartmann. 1,790,474; Jan. 27.
Silicon carbide refractory article and making the same. R. H. Martin. 1,818,904; Aug. 11.
Silicon iron compounds, Making. J. A. Parsons. 1,819,479; Aug. 18.
Silk and apparatus therefor, Manufacturing and production of artificial. F. Shedden, A. E. Delph, and N. G. Baguley. 1,790,599; Jan. 27.
Silk and process, Piece dyed. L. N. Hood and W. M. Scott. 1,819,027; Aug. 18.
Silk and producing the same, Artificial. B. Borzykowski. 1,796,744; Mar. 17.
Silk and silk-tissue, Loading or impregnating. M. Werder. 1,835,920; Dec. 8.
Silk by the stretch process, Spinning cuprammonium. A. Hartmann and W. Höfinghoff. 1,828,497; Oct. 20.
Silk cakes made by the spinning can process, Treating artificial. H. Küttner. 1,825,960; Oct. 6.
Silk, Degumming. N. D. Harvey, jr. 1,828,736; Oct. 27.
Silk, Degumming. J. Takamine, jr. 1,815,279; July 21.
Silk, Delustering artificial. F. C. Nonamaker. 1,822,416; Sept. 8.
Silk fabric or similar article, Woven. G. Kateb. Des. 84,480; June 23.
Silk for derangements in its composition, Testing. G. Roeder. 1,831,034; Nov. 10.
Silk is subjected to the action of caustic alkalis, Process in which viscose. A. J. Hall. 1,812,204; June 30.
Silk making apparatus, Artificial. W. H. Furness. 1,819,020; Aug. 18.
Silk, Manufacture of artificial. B. Gordon, jr. 1,800,880; Apr. 14.
Silk obtained from centrifuges, Treating artificial. L. Monkemeyer. 1,817,576; Aug. 4.
Silk, or silk containing textile material, Loading of. R. Clavel. 1,810,238; June 16.
Silk or the like, Spinning of artificial. W. P. Dreaper 1,790,979; Feb. 3.
Silk threads or filaments, Fluid treatment of artificial. J. Brandwood. 1,799,972; Apr. 7.
Silk, Treatment of. S. Jost. 1,823,606; Sept. 15.
Silk, Washing artificial. T. F. Banigan. 1,802,935; Apr. 28.
Silk, Weighting natural. R. Clavel. 1,816,959; Aug. 4.
Silk winding cone. R. N. Kircher. 1,839,184; Dec. 29.
Silk, Working up of centrifuge. W. Schulz and H. Hoffmann. 1,829,190; Oct. 27.
Silks, Treatment of artificial. R. Clavel. 1,826,274; Oct. 6.
Silkworms, Apparatus for breeding. V. Fioruzzi. 1,816,368; July 28.
Sill and sash construction, Window. H. E. Campbell. 1,787,933; Jan. 6.
Silo. P. C. Fish. 1,798,410; Mar. 31.
Silo elevator. I. K. Kreider. 1,817,693; Aug. 4.
Silo top. W. D. Bayley. 1,826,378; Oct. 6.
Silver halid emulsion and making the same. E. Mauerhoff. 1,815,983; July 28.
Silver plate, Apparatus for burnishing. L. Trinquet and R. Marcel Hamel. 1,812,909; July 7.
Silver salt emulsions, Method of and apparatus for producing photographic. G. Schwarz. 1,801,784; Apr. 21.
Silverware chest. G. E. Herring. Des. 85,613; Nov. 24.
Singeing machine. T. F. Hussa. 1,800,835; Apr. 14.
Singeing machine. W. W. Kemp. 1,832,984; Nov. 24.

Singletree or doubletree, Metallic. G. E. Powers. 1,830,482; Nov. 3.
Sink. F. G. Brotz. Des. 83,246; Feb. 10.
Sink and convertible dishwasher, Combination. T. Tafel, jr. 1,804,715; May 12.
Sink back and top cover, Sanitary fit-on kitchen-. E. and F. A. Dahms. 1,798,068; Mar. 24.
Sink catch trap. S. Weiss. 1,798,441; Mar. 31.
Sink, Demonstrator. E. S. Stoddard and G. Simkus. 1,833,726; Nov. 24.
Sink, Mop. T. Mason. 1,831,966; Nov. 17.
Sink supporting frame. W. J. Reeves. 1,823,915; Sept. 22.
Sintering machine. W. C. Kinnon. 1,826,792; Oct. 13.
Sintering machine. A. Osolin. 1,837,063; Dec. 15.
Sintering machine. E. W. Shallock. 1,800,571; Apr. 14.
Sintering machine. G. E. Storer. 1,797,931; Mar. 24.
Sintering machine car and grate bar therefor and the like. E. D. Ekstedt. 1,807,154; May 26.
Siphon. M. H. Palich. 1,804,270; May 5.
Siphon and making the same, Thermic. G. J. Christenson. 1,800,506–7; Apr. 14.
Siphon apparatus. A. Davis, jr. 1,789,864; Jan. 20.
Siphon, Constant uniform delivery. A. C. Wilson. 1,826,112; Oct. 6.
Siphon device. L. B. De Spain. 1,788,709; Jan. 13.
Siphon flush. G. R. Jaggard. 1,792,588; Feb. 17.
Siphon flush tank, Air bound. H. D. Moise. 1,826,282; Oct. 6.
Siphon generator and circulator for locomotive boilers. G. H. Emerson and W. B. Whitsitt. 1,818,544; Aug. 11.
Siphon jet closet. G. P. Gavin. 1,821,300; Sept. 1.
Siphon with device for protection of rubber membranes, Membrane-decanting. O. Peters. 1,799,023; Mar. 31.
Siren, Motor cycle. M. C. Armstrong. 1,835,451; Dec. 8.
Siren rotor. L. H. Miles. 1,792,858; Feb. 17.
Sirup, Manufacture of wheat. R. Schneider and F. M. Dupont. 1,829,762; Nov. 3.
Sirups, Preparing refined. E. N. Ehrhart and L. Wickenden. 1,826,655; Oct. 6.
6-8 dihydroxyquinoline ether. F. Mietzsch and H. Klös. 1,790,066; Jan. 27.
Size divider. E. Kovary. 1,790,157; Jan. 27.
Sizing machine for artificial silk. P. Ashworth. 1,801,065; Apr. 14.
Skate. A. G. Benetatos. 1,811,532; June 23.
Skate. S. I. Berger. 1,807,890; June 2.
Skate. S. De Orlow. 1,820,302; Aug. 25.
Skate. P. N. Joslin. 1,830,514; Nov. 3.
Skate. A. Jung. 1,823,942; Sept. 22.
Skate. E. M. Mirick. 1,801,205; Apr. 14.
Skate blade, Ice. J. Sayer. 1,826,958; Oct. 13.
Skate clamp. H. F. Whitcomb, jr. 1,809,539; June 9.
Skate construction, Roller. F. W. Planert. 1,837,921; Dec. 22.
Skate, Ice. E. Klevstad. 1,789,182; Jan. 13.
Skate, Ice. H. Lewis. 1,817,156; Aug. 4.
Skate roll. J. E. Marshall. 1,813,944; July 14.
Skate, Roller. P. Fehre. 1,801,230; Apr. 14.
Skate, Roller. H. A. Holm. 1,803,019; Apr. 28.
Skate, Roller. J. D. Hooks. 1,790,423; Jan. 27
Skate, Roller. V. Hrubes. 1,801,201; Apr. 14.
Skate, Roller. G. A. Leonard. 1,822,896; Sept. 15.
Skate, Roller. E. G. Thompson. 1,812,383; June 30.
Skate, Roller. J. Tracey. 1,835,446; Dec. 8.
Skate, Roller. W. V. Van Etten. 1,810,380; June 16.
Skate, Snow. F. P. Kinsley. 1,802,116; Apr. 21.
Skate wheel. F. J. Baldwin. 1,795,821; Mar. 10.
Skate wheel. W. F. Reach. 1,798,700; Mar. 31.
Skate wheel. L. C. Smith. 1,793,022; Feb. 17.
Skates, Toe guard for ice. C. I. Johnson. 1,806,975; May 26.
Skee-ball apparatus. L. M. Sternbergh. 1,826,964; Oct. 13.
Skein and method and machine for producing the same. R. P. Drake. 1,838,813; Dec. 29.
Skein lacing machine. S. A. Gasda and D. R. Cahill. 1,811,120; June 23.
Skein winding machine. S. L. Casella. 1,816,420; July 28.
Skeining. J. Fromonot. 1,789,702; Jan. 20.
Skeining implement. M. Vedovelli. 1,801,127; Apr. 14.
Skeining machine. H. Crewdson. 1,824,658; Sept. 22.
Skelp. Apparatus for and method of handling. A. S Kamerer. 1,797,348; Mar. 24.
Skelp. Method of and apparatus for the manufacture and conditioning of. J. W. Sheperdson. Re18,015; Mar. 31.
Sketching device. N. F. Lamberty. 1,818,630; Aug. 11.
Skewer block. M. Dziedzic and J. E. Covey. 1,788,991; Jan. 13.
Ski-coaster. C. E. B. Gundersen. 1,809,295; June 9.
Ski. Collapsible or folding. E. Silvestri. 1,831,326; Nov. 10.
Ski for aeroplanes. F. J. Ditter. 1,833,210; Nov. 24.
Skid. A. Procofieff-Seversky. 1,817,901; Aug. 4.
Skid. W. Stuebing, jr. 1,836,885; Dec. 15.
Skid. C. F. Walp. 1,803,416; May 5.
Skid, Freight handling. H. Harbord. 1,830,998; Nov. 10.
Skid lug, Anti-side. T. A. Helgeson. 1,829,859; Nov. 3.
Skid, Portable. W. Stuebing, jr. 1,838,589; Dec. 29.
Skimmer. R. J. Anderson. 1,827,504; Oct. 13.
Skinning machine. J. J. Barry. 1,813,479; July 7.
Skins and leather. Apparatus for stretching. I. M. Jones. Re17,929; Jan. 13.
Skins or the like, Device for use in stretching. E. G. Wilson. 1,820,550; Aug. 25.
Skins, Unhairing and bating of. A. R. Boidin and I. A. Effront. 1,812,921; July 7.
Skip, Loading. H. R. McDermott. 1,838,952; Dec. 29.
Skirt attachment. A. A. Morck. 1,820,287; Aug. 25.
Skirt gauge. P. Sobel. 1,795,973; Mar. 10.
Skirt retaining device. C. R. Robinson. 1,814,856; July 14.
Skiving apparatus. J. F. Rau. 1,832,424; Nov. 17.
Skiving machine. N. V. Dyer. 1,829,792; Nov. 3.
Skiving machine. F. N. La Chapelle. 1,810,485; June 16.
Skiving machine. E. J. Ray. 1,792,447; Feb. 10.
Skiving machine. C. Q. Reynolds. 1,787,704; Jan. 6.
Skiving mechanism. C. G. Brostrom. 1,834,139; Dec. 1.
Skull form. B. Billet. 1,801,218; Apr. 14.
Skylight. L. Abt. 1,820,764; Aug. 25.
Skylight. B. P. Blaski. 1,831,839; Nov. 17.
Skylight. L. Isgur. 1,791,211; Feb. 3.
Skylight construction. R. W. Bruner and A. Grauer. 1,821,003; Sept. 1.
Skylight construction. G. H. Lenke. 1,812,009; June 30.
Slab and wall construction, Building. T. J. Foster. 1,825,346; Sept. 29.
Slab, Building. P. Betzler. 1,834,892; Dec. 1.
Slab or block feeding and cutting machine. H. R. Phillips and H. J. Clarke. 1,789,837; Jan. 20.
Slab or panel, Structural. N. E. Newman. 1,789,111; Jan. 13.
Slabs having contrastingly colored surfaces, Making vulcanized. J. E. Stone. 1,830,141; Nov. 3.
Slabs, Making colored composition. G. Piessevaux. 1,829,187; Oct. 27.
Slack adjuster. C. C. Farmer. 1,801,854; Apr. 21.
Slack adjuster. E. Latshaw. 1,795,221; Mar. 3.
Slack adjuster. W. O. Martin. 1,815,859; July 21.
Slack adjuster. W. H. Sauvage. 1,789,499; Jan. 20.
Slack adjuster. W. H. Sauvage. 1,792,873; Feb. 17.
Slack adjuster for brake rigging, Automatic. E. J. Jonas. 1,817,081; Aug. 4.
Slack adjuster for brakes, Automatic. B. H. Browall. 1,835,008; Dec. 8.
Slack adjuster for car brakes. R. W. Burnett. 1,818,194; Aug. 11.
Slack adjuster for railway car brakes. P. B. Camp. 1,834,088; Dec. 1.
Slack adjuster for railway car brakes. P. B. Camp. 1,834,576; Dec. 1.
Slack adjuster for railway car brakes. J. M. Hall. 1,834,098; Dec. 1.
Slack adjuster for railway car brakes. C. J. Nash. 1,834,105; Dec. 1.
Slack adjuster for railway car brakes. H. I. Wrigley. 1,834,081; Dec. 1.
Slack adjuster, Hydraulic. G. E. A. Hallett. 1,798,938; Mar. 31.
Slack adjuster, Hydraulic. C. F. Kettering. 1,795,865; Mar. 10.
Slack adjusting device. A. Neveu. 1,837,473; Dec. 22.
Slack puller. T. Birkenmaier. 1,807,466; May 26.
Slack puller. W. A. Heinrich. 1,818,620; Aug. 11.
Slack-take-up device. R. H. Floyd. 1,787,429; Jan. 6.
Slag, Method and apparatus for treating. J. M. Hughes and R. C. Butler. 1,814,808; July 14.
Slag pocket. J. P. McLimans. 1,795,959; Mar. 10.
Slag screen. D. S. Jacobus. 1,808,230; June 2.
Slagging furnace. M. Frisch and E. Lundgren. 1,838,667; Dec. 29.
Slags, Preparing and remelting synthetic. A. H. Beale, H. A. Brassert and F. Wille. 1,820,178; Aug. 25.
Slate, Braille. R. Brown. 1,800,130; Apr. 7.
Slate, Drawing. H. Liebetruth. 1,825,532; Sept. 29.
Sled. J. M. Bowen. 1,820,044; Aug. 25.
Sled. E. F. Hofer. 1,788,717; Jan. 13.
Sled. J. A. Skoglund. 1,834,979; Dec. 8.
Sled and wagon, Combination. T. J. Phillips. 1,821,896; Sept. 1.
Sled attachment for automobiles. F. A. Spacsek. 1,825,133; Sept. 29.
Sled, Coaster. G. M. Fenn. 1,837,421; Dec. 22.
Sled coaster. R. B. and C. F. Jones. Des. 83,902; Apr. 14.
Sled, Mud. G. L. Lillard. 1,826,620; Oct. 6.
Sled, Surf. L. H. Brimhall. 1,829,471; Oct. 27.
Sled with brake. O. Olson. 1,836,768; Dec. 15.
Sleeper. J. Kumamoto. 1,811,016; June 23.
Sleeper particularly for heavy dredging-type tracks. J. Grossweischede. 1,796,565; Mar. 17.
Sleeper, Railroad. E. Cahn. 1,800,282; Apr. 14.
Sleeve and making same, Hand grip. R. T. Griffiths. 1,822,212; Sept. 8.
Sleeve and producing the same, Cylinder. C. H. Swartz. 1,814,267; July 14.
Sleeve for bull and calf wheel shafts, Reenforcing. L. B. Chevalier. 1,825,714; Oct. 6.
Sleeve form for display purposes. E. E. Goodman. 1,808,459; June 2.
Sleeve joint. B. F. Kuhn. 1,795,867; Mar. 10.
Sleeve-length-adjusting device. F. Hirschwald. 1,797,984; Mar. 24.
Sleeve, Pipe thread packing. N. Leinau. 1,832,713; Nov. 17.
Sleeve-valve engine. F. F. Dauenhauer. 1,798,313; Mar. 31.

Sleeve valve engine. W. A. Frederick. 1,814,746; July 14.
Sleeve valve engine. J. Haltenberger. 1,835,216; Dec. 8.
Sleeve-valve engine. A. M. Niven. 1,796,472; Mar. 17.
Sleeve valve engine. A. M. Niven. 1,810,924; June 23.
Sleeve valve engine. E. O. Schjolin. 1,823,431; Sept. 15.
Sleeve valve motor. J. Williams. 1,835,363; Dec. 8.
Sleeves, Apparatus for drying. C. Majer. 1,822,158; Sept. 8.
Sleigh. G. Berglund. 1,791,397; Feb. 3.
Sleigh mounted on skis, Dismountable. E. Silvestri. 1,836,623; Dec. 15.
Sleigh, Self-locking extension. H. O. Roisum. 1,802,219; Apr. 21.
Slice receiver and collector. J. Folk. 1,818,242; Aug. 11.
Slicer, Bias bacon. M. Trunz. 1,809,764; June 9.
Slicer or the like article, Vegetable or fruit. M. Lowitz. Des. 85,385; Oct. 20.
Slicer, Vegetable. O. Erl. 1,827,977; Oct. 20.
Slicer, Veneer. E. G. Stack. 1,817,779; Aug. 4.
Slicing and weighing machine, Combined. C. F. M. van Berkel. 1,827,918; Oct. 20.
Slicing apparatus. J. Wozniak and E. G. Bremforder. 1,834,300; Dec. 1.
Slicing machine. W. J. Campbell. 1,795,931; Mar. 10.
Slicing machine. W. J. Campbell. 1,797,045; Mar. 17.
Slicing machine. W. J. Campbell. 1,824,869; Sept. 29.
Slicing machine. W. J. Campbell. 1,825,712; Oct. 6.
Slicing machine. W. J. Campbell. 1,835,275; Dec. 8.
Slicing machine. W. J. Campbell. 1,837,014; Dec. 15.
Slicing machine. C. F. Essig. 1,817,303; Aug. 4.
Slicing machine. J. Folk. 1,800,861; Apr. 14.
Slicing machine. J. Folk. 1,818,245; Aug. 11.
Slicing machine. H. F. Koepf. 1,806,105; May 19.
Slicing machine. F. H. Meyer. 1,827,251; Oct. 13.
Slicing machine. C. Roesch. 1,825,421; Sept. 29.
Slicing machine. C. F. M. van Berkel. 1,798,112; Mar. 24.
Slicing machine. C. F. M. van Berkel. 1,809,610; June 9.
Slicing machine. C. F. M. van Berkel and J. van Hoorn. 1,790,888; Feb. 3.
Slicing machine. J. C. van Berkel. 1,797,887; Mar. 24.
Slicing machine. W. A. van Berkel. 1,798,113; Mar. 24.
Slicing machine. A. van Duyn. 1,809,430; June 9.
Slicing machine. J. van Hoorn. 1,795,061; Mar. 3.
Slicing machine. W. B. Wolff. 1,829,428; Oct. 27.
Slicing machine, Bread-. L. A. Riddell. 1,799,249; Apr. 7.
Slicing machine, Electrically driven. H. Thomas. 1,801,649; Apr. 21.
Slicing machine, Meat. C. J. Hobart and G. B. Fisk. 1,832,302; Nov. 17.
Slicing machine, Multiple bladed. H. J. Criner. 1,806,672; May 26.
Slicing machine, Wood. D. W. C. Haworth. 1,815,670; July 21.
Slicing machines, Assembling device for. J. Folk. 1,818,244; Aug. 11.
Slicing machines, Feed for. H. Folker. 1,788,019; Jan. 6.
Slicing machines, Feeding appliance for bread-. O. F. Rohwedder. 1,798,127; Mar. 24.
Slicing machines, Feeding mechanism of. E. Coulson. 1,793,359; Feb. 17.
Slicing machines, Knife guard for. W. J. Campbell. 1,824,870; Sept. 29.
Slicing machines, Pusher plate for. W. J. Campbell. 1,825,711; Oct. 6.
Slicing machines, Regulating cam for. J. R. Skoverski. 1,829,004; Nov. 3.
Slicing machines, Slice collecting device for. E. M. Stiles. 1,818,243; Aug. 11.
Slicing machines, Slice receiver for. H. D. Fitzpatrick. 1,801,599; Apr. 21.
Slicing machines, Work support for. W. J. Campbell. 1,835,276; Dec. 8.
Slicker, Rumble seat. D. W. Davis. 1,802,807; Apr. 28.
Slidable seat. A. W. Chapman. 1,787,472; Jan. 6.
Slide. C. E. Peterson. 1,827,331; Oct. 13.
Slide-actuating mechanism. E. J. Kearney. Re17,933; Jan. 20.
Slide, Adjustment. T. Cahn. 1,815,703; July 21.
Slide box. G. G. Gross. 1,809,781; June 9.
Slide shifting device. A. K. Hanks. 1,812,341; Sept. 1.
Slider. G. W. Blair. 1,813,227; July 7.
Slider rail clamp. E. J. Filburn. 1,809,747; June 9.
Sliders, Making. G. E. Prentice. 1,822,173; Sept. 8.
Sling. W. Herrmann. 1,829,860; Nov. 3.
Sling. H. H. Payzant. 1,834,902; Dec. 1.
Sling. E. Seager. 1,819,390; Aug. 18.
Sling for moving trees. C. C. Wilmore. 1,827,447; Oct. 13.
Sling, Hay. S. G. Henderson. 1,796,520; Mar. 17.
Slip. J. D. Nixon. 1,836,680; Dec. 15.
Slip. M. C. Schrank. 1,820,399; Aug. 25.
Slip. E. M. Stone. 1,810,796; June 16.
Slip. S. P. Tschappat. 1,797,166; Mar. 17.
Slip compensator for hydraulic drives. W. Ferris. 1,796,986; Mar. 17.
Slip elevator. S. L. Campbell. 1,790,225; Jan. 27.
Slip switch, Centrifugally controlled. G. H. Whittingham. 1,837,303; Dec. 22.
Slipper. M. Bernard. 1,811,380; June 23.
Slipper. L. Goldstein. Des. 84,412; June 16.
Slipper. L. Goldstone. 1,823,445; Sept. 15.
Slipper. W. Hubbard. 1,800,021; Apr. 7.
Slipper. E. Jacob. 1,795,305; Mar. 10.
Slipper. R. Wiesner. Des. 85,722; Dec. 8.
Slipper, Ballet. S. Capezio. 1,813,561; July 7.
Slipper, Boudoir. L. Goodkind. Des. 84,889; Aug. 18.
Slipper, Hard toe ballet. C. De Cristofaro. Des. 85,164; Sept. 22.
Slippers, Making. W. Hubbard. 1,800,022; Apr. 7.
Slipping attachment, Antiside. C. O. Petersen. 1,831,576; Nov. 10.
Slip-ring elevator. S. L. Campbell. 1,797,494; Mar. 24.
Slip-type elevator. N. K. Smith. 1,795,578; Mar. 10.
Slitter and rewinder. K. Sieg. 1,831,201; Nov. 10.
Slitter, Tabloid insert. H. A. W. Wood. 1,830,416; Nov. 3.
Slitting and winding apparatus. A. J. Jones and F. Nicholas. 1,833,580; Nov. 24.
Slitting device. J. A. Cameron. 1,802,457; Apr. 28.
Slitting device. J. A. Cameron and R. M. Johnstone. 1,794,398; Mar. 3.
Slitting device. R. M. Johnstone. 1,820,142; Aug. 25.
Slitting machine. C. A. Shippling. 1,801,757; Apr. 21.
Slitting machine. E. B. Stimpson. 1,793,646; Feb. 24.
Slitting machine, Fabric. F. B. Pfeiffer. 1,810,677; June 16.
Slitting means. C. C. Van Stry. 1,821,681; Sept. 1.
Sliver-balling machine. G. N. and J. Fraser. 1,791,076; Feb. 3.
Silver-balling machine. G. N. and J. Fraser. 1,795,427; Mar. 10.
Slots, Apparatus for producing. C. J. Coberly. 1,835,378; Dec. 8.
Slots, Producing. C. J. Coberly. 1,799,614; Apr. 7.
Slotting machine. H. E. Frentzel. 1,823,857; Sept. 15.
Slotting and creasing machines, Slip-feed attachment for. T. S. Fitchett. 1,806,391; May 19.
Slub catcher. L. B. Hasbrouck. 1,813,849; July 7.
Slub catcher. R. Webber. 1,814,353; July 14.
Slub detector. E. Bloom. 1,812,428; June 30.
Sludge digestion apparatus. S. F. Miller. 1,806,698; May 26.
Sludge remover. V. V. Saks. 1,813,822; July 7.
Sludges obtained on refining petroleum oils with sulphuric acid, Treating. M. D. Mann, jr., and A. Holmes. 1,838,030; Dec. 22.
Slug and change making machine. G. A. Franks. 1,827,312; Oct. 13.
Slug attachment, Low. E. Cheshire. 1,821,460; Sept. 1.
Slug casting machine and type bars cast thereby. J. R. Rogers and E. A. Sytz. 1,804,517; May 12.
Slug casting mold. A. P. Paine. 1,830,617; Nov. 3.
Slug, Condenser. W. F. Oberhuber. 1,835,238; Dec. 8.
Slug for cleaning tubes, Rotary. W. F. Oberhuber. 1,835,119; Dec. 8.
Sluice concentrator. A. H. Stebbins. 1,811,408; June 23.
Sluice gate, Emergency. J. H. T. Borland. 1,797,042; Mar. 17.
Slurry, Method and apparatus for aerating. W. A. Neill and W. A. Stedman. 1,832,469; Nov. 17.
Smear-case, Desiccating. H. L. Easley. 1,837,536; Dec. 22.
Smelter. O. Potter. 1,805,554; May 19.
Smelting apparatus. A. W. Waern. 1,833,386; Nov. 24.
Smelting apparatus and process, Electric. A. E. Greene. 1,819,239; Aug. 18.
Smelting furnace. A. Jones. 1,838,145; Dec. 29.
Smelting furnace. J. T. McCourt. 1,789,531; Jan. 20.
Smelting furnace, Electric. E. Dyer and R. E. Sutherland. 1,800,721; Apr. 14.
Smelting furnace, Reverberatory. E. W. Davis. 1,833,322; Nov. 24.
Smelting material containing tin oxide. M. G. Freise and H. Maschmeyer. 1,824,475; Sept. 22.
Smelting ores. F. M. Becket. 1,820,998; Sept. 1.
Smelting process. F. M. Becket. 1,835,925; Dec. 8.
Smelting process for eliminating phosphorus. W. C. Read. 1,833,125; Nov. 24.
Smoke abater. W. Kreft. 1,794,908; Mar. 3.
Smoke abater and smut remover. B. Roth. 1,798,356; Mar. 31.
Smoke abater and soot remover. E. R. Kuntzsch. 1,791,506; Feb. 10.
Smoke baffle for furnaces. J. P. Kolla. 1,807,988; June 2.
Smoke cleaner. J. Benkert and E. Straub. 1,814,582; July 14.
Smoke clouds, Generating. B. G. Macintire. 1,819,184; Aug. 18.
Smoke consumer. J. Pykosz. 1,819,119; Aug. 18.
Smoke-consuming device. W. Brown. 1,794,101; Feb. 24.
Smoke control device. F. P. Biederwolf. 1,833,045; Nov. 24.
Smoke, Device for eliminating hopper. V. G. Leach. 1,830,798; Nov. 10.
Smoke-discharging means, Coke-oven. J. Becker. 1,797,517; Mar. 31.
Smoke generator. H. F. Taylor. 1,811,191; June 23.
Smoke indicator. J. Brodsky. 1,787,436; Jan. 6.
Smoke indicator system. E. H. Vedder. 1,810,739; June 16.
Smoke pipe. E. M. Sprich. 1,813,684; July 7.
Smoke producing agent for use with golf balls. R. W. Bates. 1,819,352; Aug. 18.
Smoke separator. H. C. Lyons. 1,818,143; Aug. 11.

Smoke washer, Spiral-drain. A. A. McCandless. 1,800,395; Apr. 14.
Smoke-washing means. J. Brdar. 1,799,084; Mar. 31.
Smoker's appliance. W. F. Bowen. Des. 85,156; Sept. 22.
Smoker's appliance. R. C. Eve. 1,818,125; Aug. 11.
Smoker's appliance. C. A. Hostetter. 1,801,428; Apr. 21.
Smoker's article. A. Burger. 1,802,938; Apr. 28.
Smoker's article. A. J. Foley. 1,829,858; Nov. 3.
Smoker's desk stand. C. W. Morden. 1,793,952; Feb. 24.
Smoker's device. F. H. Axell. 1,812,850; July 7.
Smoker's device. J. B. Wells. Des. 85,140; Sept. 15.
Smoker's mouthpiece. F. Boenig and G. H. Dresser. 1,807,617; June 2.
Smoker's outfit. N. P. Hrisulakis. 1,814,929; July 14.
Smoker's pipe. R. W. Banks. 1,819,062; Aug. 18.
Smoker's pipe. A. N. Larsen. 1,823,747; Sept. 15.
Smoker's stand. C. Saffold. Des. 84,757; July 28.
Smoking stand. D. C. Steinberg. Des. 83,476; Feb. 24.
Smoker's pipe. A. Torrese. 1,835,124; Dec. 8.
Smoker's pipe. W. Weller. 1,833,729; Nov. 24.
Smoker's set. J. J. and H. O. Guidinger. 1,837,863; Dec. 22.
Smoker's stand. H. Dalton. 1,831,410; Nov. 10.
Smoker's stand. C. Wilmanns. 1,807,079; May 26.
Smoker's utensil. J. E. Neahr. 1,802,569; Apr. 28.
Smoker's wall set. J. E. Neahr. Des. 83,566; Mar. 3.
Smoking appliance. R. R. Gonsett and V. A. Wheeler. 1,836,237; Dec. 15.
Smoking case. F. M. Edgar and J. B. Flynn. 1,802,710; Apr. 28.
Smoking chair, Italian. P. P. Aiello. 1,822,638; Sept. 8.
Smoking device. F. E. Quest. 1,795,315; Mar. 10.
Smoking pipe. G. E. Baldwin. 1,833,014; Nov. 24.
Smoking pipe. G. D. Bradshaw. 1,796,778; Mar. 17.
Smoking pipe. J. F. Bushbee. 1,808,632; June 2.
Smoking pipe. H. R. Kimberling. 1,817,257; Aug. 4.
Smoking pipe. S. H. Parson. 1,790,675; Feb. 3.
Smoking pipe. E. M. Sprich. Des. 85,351; Oct. 13.
Smoking pipe. L. J. Thomas and A. Riddle. 1,807,260; May 26.
Smoking pipe. R. J. C. Welch. 1,827,412; Oct. 13.
Smoking set. B. H. Watkins. 1,788,646; Jan. 13.
Smoothing machine. A. F. Pym. 1,819,120; Aug. 18.
Smudge pot lifter. Spry, Toll Burgess T. 1,811,033; June 23.
Snap catch. G. A. Guyot. 1,794,333; Feb. 24.
Snap fastener element. D. I. Reiter. 1,810,576; June 16.
Snap fastener element, Resilient. P. E. Fenton. 1,832,830; Nov. 17.
Snap-fastener element, Separable. M. F. Carr. 1,787,776; Jan. 6.
Snap fastener members to panels, Attaching. A. J. Smith. 1,838,066; Dec. 22.
Snap-fastener slide member. G. Johnson and D. Dyresen. 1,798,677; Mar. 31.
Snap hook with swivel. J. B. Freysinger. 1,804,377; May 5.
Snap on milk can cover. P. S. Wind. 1,824,318; Sept. 22.
Snap-revolving machine. J. C. Kelly. 1,789,820; Jan. 20.
Snap switch. H. O. Engstrom. 1,832,286; Nov. 17.
Snap switch. J. J. Grossman and J. J. Steinharter. 1,829,514; Oct. 27.
Snap switch. G. H. Johanson. 1,810,314; June 16.
Snap switch. P. G. Shaw. 1,816,749; July 28.
Snap switch, Electric. G. J. Meuer. 1,828,059; Oct. 20.
Snap switch, Rotary feed-trough. G. J. Meuer. Des. 83,464; Feb. 24.
Snap thread gauge. P. V. Miller. 1,817,637; Aug. 4.
Snare. J. Kleffman. 1,802,918; Apr. 28.
Snare. H. Nakagawa. 1,800,095; Apr. 7.
Snatch block. T. C. Smith. 1,817,949; Aug. 11.
Snath. A. J. Gibbons. 1,807,573; May 26.
Snow and making the same, Artificial. M. C. Baumann. 1,800,187; Apr. 7.
Snow, Apparatus for melting. R. L. Lloyd. 1,806,069; May 19.
Snow directly from liquid carbon dioxide, Process and apparatus for obtaining dense carbon dioxide. H. Rufener and T. Eichmann. 1,818,816; Aug. 11.
Snow fence lifter. J. H. Soeffker. 1,819,445; Aug. 18.
Snow handling implement. E. R. Moller. 1,810,026; June 16.
Snow-packing machine. J. A. Sharp. 1,796,166; Mar. 10.
Snow melter. C. D. Chase. 1,821,292; Sept. 1.
Snowplow. W. R. Boydstun. 1,830,259; Nov. 3.
Snowplow. I. F. Davidson. 1,824,662; Sept. 22.
Snowplow. C. H. Frink. 1,794,070; Feb. 24.
Snowplow. R. L. Hulslander. 1,789,753; Jan. 20.
Snowplow. A. O. Lile and T. A. Crane. 1,788,879; Jan. 13.
Snowplow. A. Luyster and C. P. Luyster. 1,811,436; June 23.
Snow plow. D. A. MacDonald. 1,826,804; Oct. 13.
Snowplow. J. W. McCallum and A. S. Muscovitch. 1,817,998; Aug. 11.
Snowplow. A. B. Moen and S. Lien. 1,820,707; Aug. 25.
Snowplow. J. C. Peterson and L. B. Nashold. 1,834,176; Dec. 1.
Snowplow. G. W. Schultz. 1,822,545; Sept. 8.
Snowplow. G. Sickler. 1,804,282; May 5.
Snowplow. C. Speer. 1,793,523; Feb. 24.
Snowplow. R. F. Symonds. 1,791,942; Feb. 10.
Snowplow. L. E. Wood. 1,812,186; June 30.
Snow-plow for railway tracks. W. Robison and R. W. Eichhorst. 1,833,859; Nov. 24.
Snowplow, Sidewalk. C. H. Frink. 1,803,754; May 5.
Snowplow with side chute. J. O. Johnson. 1,816,589; July 28.
Snowplows, Delivery mechanism for. C. Speer. 1,829,198; Oct. 27.
Snowplows for motor vehicles, Lifting mechanism for. M. Walters. 1,824,849; Sept. 29.
Snow remover. L. Shappell. 1,822,827; Sept. 8.
Snow remover. A. B. Webb. 1,805,121; May 12.
Snow remover, Rotary. G. M. Hineline. 1,814,695; July 14.
Snow removing apparatus. J. Hayen. 1,836,116; Dec. 15.
Snow removing apparatus. D. Wandscheer. 1,837,087; Dec. 15.
Snow-removing device. W. F. and F. C. Meserve. 1,790,315; Jan. 27.
Snow removing device, Automatic. M. J. Griffith. 1,818,989; Aug. 18.
Snow runner. A. Gerth. 1,810,042; June 16.
Snow shovel. J. W. Cooper. 1,820,692; Aug. 25.
Snubber. H. E. Sipe. 1,817,771; Aug. 4.
Snubber, Vehicle. C. Erickson. 1,819,548; Aug. 18.
Snubber, Well tubing. H. C. Otis. 1,837,990; Dec. 22.
Snuffer. W. M. Bullard. 1,787,927; Jan. 6.
Snuffer for candles. J. A. Gluckert. 1,822,652; Sept. 8.
SO_2 to SO_3, Process of and apparatus for converting. C. B. Clark. 1,789,460; Jan. 20.
Soap. L. F. Hoyt. 1,833,899; Dec. 1.
Soap. P. H. Todd. 1,835,101; Dec. 8.
Soap and soap products and stabilizing agent and process. H. A. Morton. 1,805,954; May 19.
Soap, Bleaching. C. F. Schumaker. 1,788,848; Jan. 13.
Soap cake. B. E. Blakeley. 1,787,660; Jan. 6.
Soap, Cake of. C. A. and T. F. Crary. 1,828,361; Oct. 20.
Soap, Cake of. E. C. Thrasher. Des. 85,675; Dec. 1.
Soap-dispenser. P. A. Wooster. Des. 85,564; Nov. 10.
Soap dispensing stand. R. L. Renzenhausen and C. F. Pollnow. Des. 85,766–7; Dec. 15.
Soap floating on the waste-liquors obtained in the manufacture of sulphate or sodium cellulose as well as sulphite waste liquor, Refining the. C. H. Michelson. 1,823,752; Sept. 15.
Soap frame. E. R. Luckow. 1,817,157; Aug. 4.
Soap, Making. L. F. Hoyt. 1,833,900; Dec. 1.
Soap, Making. J. E. Rutzler, jr. 1,813,512; July 7.
Soap manufacture. C. F. Kaegebehn. 1,820,744; Aug. 25.
Soap, Manufacture of. E. Flammer and C. Kelber. 1,810,759; June 16.
Soap, Manufacture of. E. Flammer and C. Kelber. 1,824,809; Sept. 29.
Soap, Manufacture of. A. Ruppert. 1,836,400; Dec. 15.
Soap, Manufacture of. E. Schuck. 1,831,610; Nov. 10.
Soap, Multicolor. A. Henriksen. 1,791,359; Feb. 3.
Soap powder, Manufacture of. R. L. Holliday. 1,804,932; May 12.
Soap press. R. A. Jones. 1,796,253; Mar. 10.
Soap shaver. T. H. Lehman. 1,811,017; June 23.
Soap, Sulphur. V. Sauchelli. 1,820,872; Aug. 25.
Soap threads, Production of. A. Welter. 1,828,826; Oct. 27.
Soaper and brusher for washing machine tub. H. F. Snyder. 1,826,030; Oct. 6.
Soapstone into ducts, Blowing. G. K. Jessup. 1,791,624; Feb. 10.
Soapstoning device. L. Wetmore and H. E. Riggs. 1,797,183; Mar. 17.
Sock. P. L. Schonfeld. 1,803,980; May 5.
Sock and making the same. L. J. Byer. 1,832,181; Nov. 17.
Sock liner. C. H. Stemmons. 1,824,176; Sept. 22.
Socket. E. A. Bohlman. 1,833,984; Dec. 1.
Socket. J. Geloso. 1,811,464; June 23.
Socket. J. Juergens. 1,818,333; Aug. 11.
Socket. H. M. Olsen. 1,805,783; May 19.
Socket, Adjustable. C. A. B. Halvorson. 1,834,776; Dec. 1.
Socket, Anchor. G. Hess. 1,816,970; Aug. 4.
Socket and bracket, Side-lamp. E. C. Albright. 1,790,567; Jan. 27.
Socket and mounting same, Headlight. G. H. Coulter and S. F. Arbuckle. 1,812,623; June 30.
Socket and transformer, Gas lamp. J. O. Cadieux. 1,804,525; May 12.
Socket and making the same, Base. G. M. Eaton. 1,835,478; Dec. 8.
Socket, Base. A. B. Reynders. 1,788,066; Jan. 6.
Socket, Broom. L. E. Goeller. Des. 85,474; Nov. 3.
Socket, Cam lock contraction. A. R. Wolfe. 1,810,455; June 16.
Socket, Candle R. Popp. 1,824,231; Sept. 22.
Socket, Candelabrum. C. M. Petersen. 1,833,721; Nov. 24.
Socket cleaner, Tube. C. W. Farrington. 1,801,731; Apr. 21.
Socket cluster and connection plug, Combined. B. P. McKinley. 1,810,570; June 16.
Socket, Combination sucker rod. W. A. O'Bannon. 1,828,938; Oct. 27.
Socket connection. W. F. Klein. 1,790,238; Jan. 27.
Socket connection for electrical conductors. A. Wichert. 1,804,908; May 12.

Socket construction, Electric. P. V. Hoecher. 1,815,509; July 21.
Socket, Electric. J. Cuthbert. 1,811,615; June 23.
Socket, Electric. R. Eckstein. 1,789,582; Jan. 20.
Socket, Electric. H. E. Slade and J. Gehring. 1,815,013; July 14.
Socket, Electric lamp. R. Eckstein. 1,812,434; June 30.
Socket, Electric lamp. K. Perkins. 1,805,048; May 12.
Socket, Electric-lamp. J. Weber. Des. 85,793–5; Dec. 15
Socket, Electric lamp. E. C. White. 1,820,261; Aug. 25.
Socket, Electric light. W. T. Brunton. 1,822,434; Sept. 8.
Socket, Electric-light. J. L. Whatley. 1,792,341; Feb. 10.
Socket, Electric pull. C. E. Avery. 1,813,108; July 7.
Socket, Electric switch. F. C. Hersee. 1,835,566; Dec. 8.
Socket, Electrical. M. M. Adleman. 1,829,207; Oct. 27.
Socket, Electrical. R. Eckstein. 1,807,588; June 2.
Socket, Electrical. H. J. Frenz. 1,792,973; Feb. 17.
Socket, Electrical. S. M. Kenerson. 1,819,101; Aug. 18.
Socket, Electrical. H. Shapiro. 1,838,329; Dec. 29.
Socket for barrels and other like containers, Tap-hole. G. Kiene. 1,791,031; Feb. 3.
Socket for fishing tools, Combination trip. E. E. Pryor. 1,812,059; June 30.
Socket for miniature electric lamps. A. J. Paroubek and D. McMillan. 1,790,483; Jan. 27.
Socket, Incandescent lamp. C. Grimm. 1,832,299; Nov. 17.
Socket joints, Making double-cone. H. Inden. 1,794,407; Mar. 3.
Socket, Lamp. H. Cammack. 1,829,127; Oct. 27.
Socket, Lamp. G. H. Glade, jr. 1,818,614; Aug. 11.
Socket, Lamp. J. H. Kinzler. 1,824,600; Sept. 22.
Socket, Lamp. G. D. Lawson. 1,790,239; Jan. 27.
Socket, Lamp. R. E. Major. 1,808,782; June 9.
Socket, Lamp. B. D. White. 1,792,621; Feb. 17.
Socket lock, Electric. R. R. Hopland. 1,825,867; Oct. 6.
Socket, Peavey. E. C. Leach and J. F. Doornbos. 1,824,906; Sept. 29.
Socket, Penholder. G. J. Sengbusch. 1,804,120; May 5.
Socket, Plug. J. Seresun. 1,818,819; Aug. 11.
Socket, Pull. H. J. Morey. 1,795,375; Mar. 10.
Socket, Pull switch candelabrum. C. M. Petersen. 1,821,030; Sept. 1.
Socket, Sucker-rod. W. A. O'Bannon. 1,787,834; Jan. 6.
Socket, Tool. G. H. Rempes. 1,800,264; Apr. 14.
Socket, Vacuum-tube. V. G. Apple. 1,799,346; Apr. 7.
Socket, Vacuum tube. W. J. Murdock. 1,823,331; Sept. 15.
Socket, Vacuum tube. W. H. Pumphrey. 1,827,909; Oct. 20.
Socket, Vehicle curtain rod. J. Ledwinka. 1,816,332; July 28.
Socket wrench. J. O. Johnson. 1,808,660; June 2.
Socket wrench. W. C. Kress. 1,811,137; June 23.
Socket wrench. E. M. Pfauser. 1,807,134; May 26.
Socket wrench set. J. P. Fleming. 1,838,254; Dec. 29.
Sockets, Manufacturing two-way Electric. L. Ludwig. 1,799,596; Apr. 7.
Sod cutter. J. W. Blue. 1,829,335; Oct. 27.
Soda dispensing fountain. F. B. Hunt. 1,836,599; Dec 15.
Soda fountain. L. G. Gray. Des. 85,746; Dec. 15.
Soda fountain. F. B. Hunt. 1,811,851; June 30.
Soda fountain. G. R. Lippitt. Des. 85,438; Oct. 27.
Soda fountain. F. I. Raymond. 1,811,806–7; June 23.
Soda-lime to be used in the manufacture of pure hydrogen, Preparing. J. Bellay. 1,826,722; Oct. 13.
Soda product, Production of a concentrated caustic. C. Sundstrom and C. S. Lykes. 1,806,096; May 19.
Sodality pin. G. A. Fitzgibbons. Des. 84,279; June 2.
Sodium bicarbonate and sodium sulphate dekahydrate from mixtures of sodium sulphate and sodium carbonate, Producing. W. H. Allen, W. A. Gale, and C. F. Ritchie. 1,836,427; Dec. 15.
Sodium carbonate, Manufacture of. H. B. Kipper. 1,789,235; Jan. 13.
Sodium fluoride, Making. E. Eckoldt. 1,809,476; June 9.
Sodium peroxide, Producing. H. R. Carveth. 1,796,241; Mar. 10.
Sodium salts from mixtures thereof, Separating. W. H. Allen, W. A. Gale, and C. F. Ritchie. 1,836,426; Dec. 15.
Sodium silicate solutions, Purifying. E. A. Taylor and W. T. Grace. 1,836,093; Dec. 15.
Sodium sulphate from natural deposits, Obtaining. A. T. W. Warnken. 1,798,993; Mar. 31.
Sodium sulphate from sulphuric acid, Separation of. J. J. Stockly and R. Bartunek. 1,812,310; June 30.
Sodium sulphonates, Purification of oil soluble. H. E. Buc and H. R. Tate. 1,811,535; June 23.
Sofa. H. D. Lee. Des. 84,292; June 2.
Sofa capable of being converted into a bed. M. L. A. H. Dauphin. 1,814,505; July 14.
Soffit clip. T. F. Luffman. 1,801,015; Apr. 14.
Soil, Apparatus for treating. C. V. Buddenbrock. 1,796,588; Mar. 17.
Soil corrugator. A. J. Bockwitz. 1,818,529; Aug. 11.
Soil pulverizer. G. M. Soule. 1,820,096; Aug. 25.
Soil pulverizing machine. P. J. Young. 1,813,651; July 7.
Soil sterilizing apparatus. A. P. Young. 1,826,232; Oct. 6.
Soil, Treating. C. F. Irish. 1,814,446; July 14.
Soil treating mechanism. P. W. Hall. 1,819,092; Aug. 18.
Soiled material and preparing same, Standard. F. H. Guernsey and L. T. Howells. 1,802,052; Apr. 21.
Soils to promote plant growth, Treating. C. H. Spencer. Re18,132; July 21.
Solar heater. C. F. Kunz. 1,837,449; Dec. 22.
Solder for aluminum and its alloys. F. Strasser. 1,812,567; June 30.
Solder, Method of and apparatus for treating, flux core. P. C. Ripley. 1,796,163; Mar. 10.
Soldering. A. H. Adams. 1,826,709; Oct. 13.
Soldering apparatus. C. Helle. 1,802,079; Apr. 21.
Soldering apparatus. C. Helle. 1,816,115; July 28.
Soldering, Apparatus for. A. H. Adams. 1,826,710; Oct 13.
Soldering cup. R. L. Bruce. 1,828,520; Oct. 20.
Soldering device. D. H. Bottrill. 1,838,357; Dec. 29.
Soldering flux. D. W. Bowers. 1,797,124; Mar. 17.
Soldering iron. E. Jacobson. 1,814,041; July 14.
Soldering iron. A. Menke. 1,831,819; Nov. 17.
Soldering iron, Electric. J. Buccola. 1,819,671; Aug. 18.
Soldering iron, Electric. R. R. Hazlett and W. J. Alexander. 1,820,799; Aug. 25.
Soldering iron, Electric. R. R. Hazlett and W. J. Alexander. 1,826,933; Oct. 13.
Soldering iron, Electrically heated. J. A. Heintzelman. 1,829,929; Nov. 3.
Soldering iron, Electrically heated. C. Helle. 1,813,181; July 7.
Soldering iron, Gas heated. J. B. Anderson. 1,831,799; Nov. 17.
Soldering machine for incandescent lamps and similar devices. J. Regenstreif. 1,794,733; Mar. 3.
Soldering means, Electric. W. Schmidt. 1,829,457; Oct. 27.
Soldering means, Electric. J. A. Tolelk. 1,815,280; July 21.
Soldering, Method of and apparatus for. D. M. Boothman and J. A. Cullerton. 1,813,657; July 7.
Soldering pot. R. E. Brown. 1,818,925; Aug. 11.
Sole and heel, Combined. E. C. Heilhecker. Des. 85,333; Oct. 13.
Sole and heel for boots, shoes, or similar articles, Combined. R. E. Drake. Des. 83,316; Feb. 17.
Sole and heel for boots and shoes, Rubber. L. M. Oakley. 1,811,803; June 23.
Sole and preparing the same, Outer. W. H. Bresnahan. 1,824,654; Sept. 22.
Sole and reinforcing the same, Reinforced inner. R. P. Frye. 1,838,097; Dec. 29.
Sole, Boot and Shoe. C. M. Bagshaw. 1,799,274; Apr. 7.
Sole, Calked. H. A. Smith. 1,837,730; Dec. 22.
Sole cementing machine. P. Opacity. 1,835,079; Dec. 8.
Sole construction for apparel shoes. J. W. Lake and W. T. Finks. 1,812,490; June 30.
Sole for a woman's shoe. J. C. Pape. Des. 84,591; July 7.
Sole for shoes, Inner. H. Higdem. 1,815,843; July 21.
Sole for shoes, Rubber. A. L. Murray. Des. 84,646; July 14.
Sole grooving machine. O. L. Lawson. 1,826,796; Oct. 13.
Sole-laying machine. R. Ruhr and H. L. Heckmann. 1,789,599; Jan. 20.
Sole laying press. R. Ruhr. 1,816,264; July 28.
Sole leveling and shaping device. G. Laganas. 1,793,409; Feb. 17.
Sole plate for glass-annealing and like furnaces. Y. Brancart. 1,791,656; Feb. 10.
Sole, Shoe. H. Crossman, A. Greenbaum, and M. J. Bernstein. Des. 85,862; Dec. 29.
Sole, Shoe. H. H. Wydom. Des. 83,887; Apr. 7.
Sole straightener. A. D. Macgillivray. 1,818,490; Aug. 11.
Sole, Tap. S. Capezio. 1,809,107; June 9.
Sole, Ventilated shoe. W. Crick. 1,800,930; Apr. 14.
Soles, Method of and machine for operating upon. E. E. Winkley. 1,794,430; Mar. 3.
Soles of molded plastic composition, Producing shoe. D. H. Bell. 1,817,287; Aug. 4.
Soles of or for boots and shoes, Producing. C. M. Bagshaw. 1,806,661; May 26.
Soles, Pressing. J. J. Heys. 1,811,884; June 30.
Solenoid dipper trip. E. H. Tellier and R. C. Deckman. 1,820,546; Aug. 25.
Solenoid for operating brakes, Progressive. V. G. Apple. 1,807,956; June 2.
Solid material, Apparatus for lowering and mixing flowable. H. Adams. 1,795,989; Mar. 10.
Solid material, Method and apparatus for storing flowable. H. Adams. 1,795,988; Mar. 10.
Solid materials, Apparatus for treating. W. A. Darrah. 1,818,308; Aug. 11.
Solid materials by extraction, Apparatus for the recovery of. L. C. Trescott. 1,794,874; Mar. 3.
Solid materials, Mechanical preparation of pulverized. M. Madore. 1,812,799; June 30.
Solid materials of different specific gravities, Process and apparatus for the separation of. G. Raw. 1,811,026; June 23.
Solids, Apparatus for breaking and handling. L. P. Hoff. 1,838,764; Dec. 29.
Solids, Apparatus for dissolving. G. A. Walter. 1,807,263; May 26.
Solids, Apparatus for handling. F. B. Allen. 1,819,967; Aug. 18.

Solids from liquids in which said solids are suspended, Apparatus for separating. W. M. Baldwin. 1,837,191; Dec. 22.
Solids from liquids or liquors by filtration, Apparatus for separating. J. T. Shimmin. 1,791,251; Feb. 3.
Solids, Method and apparatus for treating. T. A. Dickson. 1,811,920; June 30.
Solids to be penetrated by or impregnated with liquids or solutions of various substances, Causing. H. J. Collins. 1,825,509; Sept. 29.
Solids with normally liquid substances, Treatment of. W. E. Crooks and C. D. Walton. 1,835,997; Dec. 8.
Soluble substances, Apparatus for extracting. W. E. Sanger and O. H. Wurster. 1,799,481; Apr. 7.
Solution and plastic. G. Steimmig. 1,788,781; Jan. 13.
Solution tank. R. C. Murray. 1,788,404; Jan. 13.
Solution to the top surface of a zeolite bed in a zeolite water softener of the filter type, Feeding a regenerating brine. E. Nordell and W. J. Hughes. 1,827,603; Oct. 13.
Solutions, Apparatus and process of determining the strength of. C. Kocour. 1,806,806; May 26.
Solutions, Apparatus for regulating the concentration of. J. A. Bolton. 1,806,536; May 19.
Solutions, compositions or preparations for textile and like purposes and their applications. C. F. Ryley and G. A. Awcock. 1,807,755; June 2.
Solutions, Evaporating and concentrating. C. B. Clark. 1,817,349; Aug. 4.
Solutions of cholesterine, Manufacturing. F. Passek. 1,809,422; June 9.
Solvent sand emulsifying agents, Producing. F. Pospiech. 1,817,205; Aug. 4.
Solvents, Recovering. O. L. Barnebey. 1,811,107; June 23.
Solvents, Recovery of. J. F. Wait. 1,798,713; Mar. 31.
Soot, Apparatus for and process for removing. C. Dantsizen. 1,828,646; Oct. 20.
Soot blower. G. I. Rawson. 1,807,255; May 26.
Soot blower. F. J. Whelan and T. F. Dwyer, jr. 1,829,174; Oct. 27.
Soot blower for boilers. J. C. Bennett. 1,811,346; June 23.
Soot disposal process and apparatus. W. R. Whitney. 1,828,631; Oct. 20.
Soot extractor. W. H. Werner and C. Neumann. 1,821,860; Sept. 1.
Sorbent material, Making actuated. A. B. Lamb. 1,813,174; July 7.
Sorter or classifier by sizes. A. R. Macía. 1,802,769; Apr. 28.
Sorting and distributing machine. A. Gammell. 1,808,406; June 2.
Sorting apparatus. J. D. Grabill. 1,804,096; May 5.
Sorting apparatus. W. E. Humphrey. 1,791,096; Feb. 3.
Sorting machine. C. E. Whiteman. 1,801,760; Apr. 21.
Sostenuto control. J. H. Hammond, jr. 1,822,214; Sept. 8.
Sostenuto piano. S. Cooper. 1,817,507; Aug. 4.
Sound absorbing construction. L. Barnett. 1,825,770; Oct. 6.
Sound absorbing construction. H. F. Weiss. 1,833,143; Nov. 24.
Sound absorbing structure. W. E. Foster. 1,805,210; May 12.
Sound absorbing ventilator and the like. C. R. C. Borden. 1,811,347; June 23.
Sound action for accordions, harmonicas, and like instruments. M. Soprani. 1,812,760; June 30.
Sound amplifier. A. I. Abrahams. 1,834,327; Dec. 1.
Sound amplifier. C. H. Duffy. 1,788,385; Jan. 13.
Sound amplifier and clarifier. R. Rodriguez. 1,827,955; Oct. 20.
Sound amplifier and reproducing apparatus. L. W. Thompson. 1,833,762; Nov. 24.
Sound amplifying apparatus. H. W. Rogers. 1,802,480; Apr. 28.
Sound amplifying device. E. F. Cassel. 1,814,022; July 14.
Sound amplifying device. C. E. Ross. 1,809,314; June 9.
Sound amplifying system. F. L. Hetzel. 1,829,991; Nov. 3.
Sound analyzing device. F. L. Morse. 1,830,237; Nov. 3.
Sound and photography, Synchronized. H. W. Rogers. 1,812,449; June 30.
Sound apparatus. C. Huenlich. 1,835,778; Dec. 8.
Sound apparatus. W. T. Plum, jr. 1,792,603; Feb. 17.
Sound, Apparatus and method for producing. H. Hueber and E. C. Horton. 1,822,579; Sept. 8.
Sound, Apparatus for and method of photographically recording. B. Kwartin. Re18,255; Nov. 24.
Sound, Apparatus for producing. E. C. Guedon. 1,814,798; July 14.
Sound apparatus, Hydraulic protrudable device for. W. Rudolph. 1,791,013; Feb. 3.
Sound apparatus, Slit-forming device for photographic. F. H. Owens. 1,829,235; Oct. 27.
Sound apparatus, Subaqueous. B. Settegast and W. Rudolph. 1,791,014; Feb. 3.
Sound box membrane. J. Eggert, and R. Schmidt. 1,824,664; Sept. 22.
Sound box, Phonograph. J. Weinberger. 1,795,154; Mar. 3.
Sound-chamber and set-frame therefor. L. de Forest. 1,812,687; June 30.
Sound clarifying device. E. G. and M. J. Schloss. 1,830,812; Nov. 10.
Sound collecting and transmitting. C. K. Woodbridge. 1,827,719; Oct. 13.
Sound collecting and transmitting means. C. K. Woodbridge. 1,804,485; May 12.
Sound control apparatus. J. E. Stafford. 1,807,940; June 2.
Sound conductor for phonographs, Interchangeable. R. G. Iapadre. 1,836,324; Dec. 15.
Sound-controlling means. M. J. MacDonald. 1,825,465; Sept. 29.
Sound-cushioning means. F. J. Borkenstein. 1,791,232; Feb. 3.
Sound deflector for portable phonographs. J. Berg. 1,792,063; Feb. 10.
Sound device. J. D. Staggs. 1,809,916; June 16.
Sound, Device for producing. W. B. Potter. 1,833,758; Nov. 24.
Sound diaphragm. E. S. Pridham. 1,809,911; June 16.
Sound-emitting apparatus. S. Ruben. 1,799,646; Apr. 7.
Sound for talking machines, Recording. H. Küchenmeister. 1,835,164; Dec. 8.
Sound from film records, Apparatus for reproducing. C. L. Heisler. 1,793,399; Feb. 17.
Sound from records, Electrical reproduction. L. H. Pearson and C. Marshall. 1,823,162; Sept. 15.
Sound from sound records, Apparatus for reproducing. W. C. Bailey. 1,799,838; Apr. 7.
Sound generating and sound responsive device. H. F. Fruth. 1,833,642; Nov. 24.
Sound generating means. C. P. Madsen. 1,816,597; July 28.
Sound generator. W. L. Eckhardt. 1,815,553; July 21.
Sound generator for automobiles. W. L. Eckhardt. 1,815,552; July 21.
Sound in connection with pictures, Method and apparatus for reproducing. P. S. Hopkins. 1,826,786; Oct. 13.
Sound in subways, Reducing. J. M. White. 1,820,874; Aug. 25.
Sound instrument. H. A. Myers. 1,814,730; July 14.
Sound intensity measuring system. W. E. Bower. 1,806,871; May 26.
Sound, Method of and apparatus for locating the direction of. F. Rieber. 1,836,397; Dec. 15.
Sound, Method of and apparatus for recording and reproducing. B. Kwartin. Re18,090; June 2.
Sound method of and system for recording and reproducing. J. R. Balsley. 1,794,664; Mar. 3.
Sound on film, Device for recording. H. A. De Vry. 1,829,791; Nov. 3.
Sound on motion picture films, Method of and apparatus for recording. W. Rom. 1,828,444; Oct. 20.
Sound on screens, Apparatus and method for localization of. W. Bouma. 1,793,772; Feb. 24.
Sound photography system. D. A. Whitson. 1,822,183; Sept. 8.
Sound-pick-up device. L. T. Robinson. 1,792,323; Feb. 10.
Sound producer. G. C. Farmer. 1,820,129; Aug. 25.
Sound producer. C. S. Kelley. 1,797,349; Mar. 24.
Sound producer. C. S. Kelley. 1,797,424; Mar. 24.
Sound producer. C. S. Kelley. 1,820,143; Aug. 25.
Sound producing device. R. G. Borromeo. 1,809,669; June 9.
Sound producing device. L. de Forest. 1,806,745; May 26.
Sound-producing device. C. F. Hanselmann. 1,796,989; Mar. 17.
Sound-producing device. J. S. High. 1,788,105; Jan. 6.
Sound-producing device. J. P. Northey. 1,799,387–8; Apr. 7.
Sound-producing device. G. J. Zisch. 1,796,975; Mar. 17.
Sound producing device, Electromagnetic. J. H. van Wagenen. 1,827,919; Oct. 20.
Sound propagating device. L. E. Barton. 1,824,650; Sept. 22.
Sound propagating diaphragm. W. D. Pack. 1,807,225; May 26.
Sound radiating apparatus. L. Shapiro. 1,808,512; June 2.
Sound radiator. H. C. Harrison. 1,792,536; Feb. 17.
Sound receiving device. A. A. Johnson. 1,827,943; Oct. 20.
Sound recorder and reproducer, Electrically operating. C. Huenlich. 1,812,957; July 7.
Sound record reproduction, Volume control in. J. R. Balsley. 1,827,735; Oct. 20.
Sound recording. H. P. Hollnagel. 1,810,605; June 16.
Sound recording. L. A. Taylor. 1,804,289; May 5.
Sound recording and reproducing. J. W. Horton. 1,799,795; Apr. 7.
Sound, Recording and reproducing. A. F. and D. A. Pollock. 1,815,010; July 14.
Sound recording and reproducing apparatus. B. E. G. Mittell. 1,794,915; Mar. 3.
Sound recording and reproducing apparatus. F. H. Owens. 1,815,481; July 21.
Sound recording and reproducing apparatus. F. H. Owens. 1,816,397; July 28.
Sound recording and reproducing apparatus. J. F. Sees. 1,814,861; July 14.
Sound recording and reproducing apparatus. H. L. Warwick. 1,839,187; Dec. 29.

Sound recording and reproducing instrument. P. B. Flanders. 1,809,684; June 9.
Sound recording and reproducing machine. B. E. G. Mittell. 1,798,891; Mar. 31.
Sound recording and reproducing means. E. L. Kent. 1,819,820; Aug. 18.
Sound recording and reproducing system. S. S. A. Watkins. 1,837,243; Dec. 22.
Sound recording and reproducing system. V. K. Zworykin. 1,834,197; Dec. 1.
Sound recording and reproducing system, Balanced. R. J. Pomeroy. 1,833,373; Nov. 24.
Sound recording and reproducing system, Multiplex. R. J. Pomeroy. 1,833,372; Nov. 24.
Sound-recording and sound-reproducing and locating apparatus. F. M. Doolittle. 1,817,177; Aug. 4.
Sound recording apparatus. C. A. Hoxie. 1,807,409; May 26.
Sound recording apparatus. J. F. Melvin, jr. 1,834,168; Dec. 1.
Sound-recording apparatus. F. A. Mitchell. 1,792,859; Feb. 17.
Sound recording apparatus. E. R. Vinson. 1,829,121; Oct. 27.
Sound recording mechanism. F. von Madaler. 1,815,692; July 21.
Sound recording method. J. P. Maxfield. Re18,228; Oct. 20.
Sound recording or reproducing apparatus. A. J. Cawley. 1,825,439–40; Sept. 29.
Sound recording or reproducing, Photo-electric. A. J. Cawley. 1,825,438; Sept. 29.
Sound recording, process and apparatus. A. J. Cawley. 1,825,441; Sept. 29.
Sound recording system. W. Gallahan. 1,810,703; June 16.
Sound-recording system. H. C. Humphrey. 1,799,235; Apr. 7.
Sound recording system. R. J. Pomeroy. 1,838,447; Dec. 29.
Sound recording system, Thermal. E. H. Hansen. 1,810,705; June 16.
Sound records and records produced thereby, Treating. A. T. Taylor. 1,824,417; Sept. 22.
Sound records, Apparatus and method for reproducing photographic. F. H. Owens. 1,826,522; Oct. 6.
Sound records, Method and apparatus for reproducing photographic. J. G. Capstaff. 1,831,796; Nov. 10.
Sound records, Method and apparatus for use in connection with the making of. R. H. Townsend. 1,836,205–6; Dec. 15.
Sound records obtained by magnetic means, Duplication of. C. Stille. 1,811,817; June 23.
Sound records, Production of corrected. R. J. Pomeroy. 1,828,942; Oct. 27.
Sound records, Recording photographic. F. H. Owens. 1,803,346; May 5.
Sound records, Recording photographic. F. H. Owens. 1,822,057; Sept. 8.
Sound records, System for correcting. R. J. Pomeroy. 1,828,940–1; Oct. 27.
Sound records, System for modifying. R. J. Pomeroy. 1,835,962; Dec. 8.
Sound reducing construction. B. E. Balduf. 1,811,250; June 23.
Sound regenerating apparatus. R. C. Darnell. 1,821,933; Sept. 8.
Sound-regulating device. C. D. Haigis. 1,798,157; Mar. 31.
Sound repeater for sound reproducing machines. D. W. Rantine. 1,808,789; June 9.
Sound reproducer. P. G. Andres. 1,789,061; Jan. 13.
Sound reproducer. C. E. Bonine. 1,836,222; Dec. 15.
Sound reproducer. L. de Forest. 1,795,936; Mar. 10.
Sound reproducer. L. de Forest. 1,827,283; Oct. 13.
Sound reproducer. W. C. Jones. 1,799,799; Apr. 7.
Sound reproducer. W. C. Jones. 1,812,634; June 30.
Sound reproducer. E. L. Norton. 1,792,655; Feb. 17.
Sound reproducer. H. R. Parshall. 1,834,498; Dec. 1.
Sound reproducer. E. H. Smythe. 1,828,513; Oct. 20.
Sound reproducer and manufacturing the same. L. W. Staunton and C. A. Brigham. 1,819,627; Aug. 18.
Sound reproducer, Electric. W. S. McClintock, jr. 1,836,266; Dec. 15.
Sound reproducer, Electromagnetic. B. F. Miessner. 1,830,401–2; Nov. 3.
Sound reproducer, Electrostatic. J. B. Hawley. 1,809,036; June 9.
Sound reproducer, Electrostatic. C. Kyle. 1,789,554; Jan. 20.
Sound reproducing and amplifying system. J. F. Engle. 1,789,700; Jan. 20.
Sound reproducing apparatus. L. V. Foster. 1,833,074-5; Nov. 24.
Sound reproducing apparatus. A. J. Haynes. 1,823,603; Sept. 15.
Sound reproducing apparatus. C. L. Heisler. 1,839,151; Dec. 29.
Sound-reproducing apparatus. J. Hutt. 1,793,403; Feb. 17.
Sound-reproducing apparatus. E. W. Kellogg. 1,795,214; Mar. 3.
Sound-reproducing apparatus. F. H. Owens. 1,791,039; Feb. 3.
Sound reproducing apparatus. F. H. Owens. 1,810,324; June 16.
Sound reproducing apparatus. F. H. Owens. 1,818,502; Aug. 11.
Sound reproducing apparatus. O. Steiner. 1,817,781; Aug. 4.
Sound reproducing apparatus. D. O. Whelan. 1,804,295; May 5.
Sound reproducing apparatus, Photographic. F. H. Owens. 1,833,370; Nov. 24.
Sound reproducing device. H. Küchenmeister. 1,816,782; July 28.
Sound-reproducing device. T. H. McClain. 1,800,868; Apr. 14.
Sound reproducing device. M. Nystrom. 1,822,450; Sept. 8.
Sound reproducing device. J. M. Stone. 1,819,721; Aug. 18.
Sound reproducing diaphragm. G. G. Rockwell and C. L. Walters. 1,806,420; May 19.
Sound reproducing diaphragm. M. C. Rypinski. 1,834,291; Dec. 1.
Sound reproducing diaphragm. L. W. Staunton. 1,819,659; Aug. 18.
Sound-reproducing instrument. B. Kwartin. 1,795,089; Mar. 3.
Sound reproducing instrument. T. R. Mitchell. 1,833,789; Nov. 24.
Sound-reproducing machine. R. B. Bryant. 1,799,148; Apr. 7.
Sound reproducing machine. W. T. Forse. 1,810,955; June 23.
Sound-reproducing machines, Attachment for. G. Laing. 1,797,001; Mar. 17.
Sound reproducing means. A. Nagelvoort. 1,802,826; Apr. 28.
Sound reproducing means. A. Nogelvoort. 1,832,832; Nov. 17.
Sound reproducing means. F. H. Owens. 1,812,303; June 30.
Sound-reproducing mechanism. W. D. La Rue. 1,787,911; Jan. 6.
Sound-reproducing mechanism. P. A. Robbins. 1,799,322; Apr. 7.
Sound reproducing mechanism. P. A. Robbins. 1,803,038; Apr. 28.
Sound reproducing or recording apparatus. F. H. Owens. 1,803,403; May 5.
Sound reproducing process, Electrical. A. J. Cawley. 1,816,360; July 28.
Sound reproducing system. J. C. Benjamin. 1,811,841; June 30.
Sound reproducing system. P. H. Craig. 1,817,612; Aug. 4.
Sound reproducing system. W. C. Jones. 1,829,801; Nov. 3.
Sound reproducing system. A. S. Radford and M. Bowman-Manifold. 1,807,602; June 2.
Sound-reproducing system. D. A. Whitson. 1,801,472; Apr. 21.
Sound reproducing system, Electrodynamic. L. J. Bobb. 1,834,820; Dec. 1.
Sound-reproducing systems, Switching apparatus for. J. L. Reynolds. 1,788,543; Jan. 13.
Sound reproduction. D. G. Blattner. 1,812,619; June 30.
Sound reproduction. L. I. Reed. 1,812,219; June 30.
Sound reproduction, Electrostatic device for. C. Kyle. 1,797,778; Mar. 24.
Sound reproduction, Method and apparatus for. O. Sandvik. 1,813,681; July 7.
Sound reproduction, System of articulate. W. D. Smith. 1,823,705; Sept. 15.
Sound resonating and amplifying device. C. A. Volf, jr. 1,811,985; June 30.
Sound resonator. W. O. Erbes. 1,833,157; Nov. 24.
Sound screening device for hydrophones. L. H. Richmond. 1,805,186; May 12.
Sound shutter. F. H. Owens. 1,810,527; June 16.
Sound signal. R. M. Critchfield. 1,796,887; Mar. 17.
Sound signaling and regulating system for microphones used in electric alarm systems, Automatic. J. P. Williams. 1,812,616; June 30.
Sound transforming and reproducing apparatus. G. Wurdel and F. Spiegel. 1,799,942; Apr. 7.
Sound-transforming device, Photo-electric. J. H. Steurer. 1,789,607; Jan. 20.
Sound translator, Electrostatic. L. A. Wolfe. 1,831,278; Nov. 10.
Sound transmission. H. D. Arnold. 1,811,839; June 30.
Sound transmission. W. B. Jones. 1,817,489; Aug. 4.
Sound transmission. W. P. Mason. 1,835,795; Dec. 8.
Sound transmitting apparatus. E. Wilckens. 1,821,823; Sept. 1.
Sound waves, Apparatus for the rectification and amplification of. H. N. James. 1,829,899; Nov. 3.
Sound waves in a cold way on plane sound carriers that are harder than wax, Mechanically recording. F. W. Freitag. 1,803,060; Apr. 28.
Sound waves, Method of and apparatus for amplifying and projecting. M. R. Hutchison. 1,810,708; June 16.
Sound waves, Transmission of. C. A. Linton. 1,814,603; July 14.
Sounding device. L. V. Aronson and F. Meyer. 1,795,068; Mar. 3.

Soundings at remote points, Taking. E. Wilckens. 1,817,864; Aug. 4.
Sounds and vibrations, Locator of abnormal. G. Porter. 1,811,558; June 23.
Sounds, Method of and system for reproducing. H. Küchenmeister. 1,799,378; Apr. 7.
Sounds produced by machinery, Measuring. F. W. Highfield. 1,790,046; Jan. 27.
Space charge device. D. Ulrey. 1,817,448; Aug. 4.
Space covering structure, such as roofs, walls and the like. W. Klingenberg. 1,823,945; Sept. 22.
Space discharge device. A. W. Hull. 1,821,808; Sept. 1.
Space discharge devices, Regulating the operation of. M. A. Acheson and J. L. Zehner. 1,836,891; Dec. 15.
Space heater, Multiple unit. F. M. Young. 1,811,071; June 23.
Spacer. E. E. Hawkinson. 1,817,437; Aug. 4.
Spacing and supporting means. R. P. Thompson. 1,818,021; Aug. 11.
Spacing instrument. W. W. Heinze. 1,797,551; Mar. 24.
Spacing means for bolt connected plates. A. H. Schaffert. 1,835,243; Dec. 8.
Spacing mechanism. J. A. Moore. 1,789,151; Jan. 13.
Spacing mechanism. A. R. Pollasky. 1,796,939; Mar. 17.
Spader, Mechanical. T. R. Curry. 1,825,222; Sept. 29.
Spader, Mechanical. G. H. Glasier. 1,827,429; Oct. 13.
Spader, Oscillating. H. H. Glasier. 1,818,551; Aug. 11.
Spading device. O. A. Matson. 1,818,148; Aug. 11.
Spanner wrench. J. C. Cordell. 1,817,352; Aug. 4.
Spanner wrench. J. Montagnon. 1,838,278; Dec. 29.
Spar, Breaking up raw heavy. K. Ebers. 1,834,772; Dec. 1.
Spare-tire lock. O. S. Hershey, E. J. Van Sickel, and W. A. Henderson. 1,789,437; Jan. 20.
Spare wheel lock. J. J. Wharam. 1,810,195; June 16.
Spark advancing apparatus. S. J. Ziembinski. 1,803,451; May 5.
Spark arrester and smoke purifier. G. R. Iscra. 1,792,909; Feb. 17.
Spark arrester for internal combustion engines. F. A. Donaldson. 1,831,805; Nov. 17.
Spark control, Automatic. S. A. Collins. 1,798,522; Mar. 31.
Spark distributor. H. C. Lehn. 1,833,083; Nov. 24.
Spark gap. E. S. Flarsheim. 1,791,464; Feb. 3.
Spark-gap construction. H. P. MacLagan. 1,794,914; Mar. 3.
Spark plug. G. H. E. Berthold. 1,817,505; Aug. 4.
Spark plug. B. A. Birdsall. 1,805,752; May 19.
Spark plug. E. E. Bidwell. 1,797,817; Mar. 24.
Spark plug. E. P. Butusov. 1,791,190; Feb. 3.
Spark plug. A. Champion. 1,795,638; Mar. 10.
Spark plug. H. Gerdien and R. Reichmann. 1,799,225; Apr. 7.
Spark plug. R. T. Hurley. 1,812,438; June 30.
Spark plug. R. T. Hurley and G. M. Paulson. 1,793,803; Feb. 24.
Spark plug. W. McElroy. 1,789,078; Jan. 13.
Spark plug. W. O. Michelsen. 1,819,107–8; Aug. 18.
Spark plug. A. R. Mosler. 1,799,922; Apr. 7.
Spark plug. E. B. Nowosielski. 1,831,132; Nov. 10.
Spark plug. H. F. Payne. 1,793,130; Feb. 17.
Spark plug. H. Rabezzana. 1,797,731; Mar. 24.
Spark plug. A. F. Sciuto. 1,790,846; Feb. 3.
Spark plug. E. W. Stevens. 1,822,462; Sept. 8.
Spark plug. K. Thanet. 1,815,423; July 21.
Spark plug. E. F. Wittner. 1,814,997; July 14.
Spark plug cleaner. V. Bialas. 1,818,293; Aug. 11.
Spark-plug construction. O. C. Rohde. 1,801,023; Apr. 14.
Spark-plug detector. C. Galbusera. 1,797,085; Mar. 17.
Spark plugs, Making. R. T. Hurley. 1,815,714; July 21.
Spark retarder, Automatic. R. H. Floyd. 1,806,752; May 26.
Sparking device. F. Huber. 1,820,858; Aug. 25.
Spatula. D. R. Biddle. 1,825,710; Oct. 6.
Spatula. E. P. Byrnes. 1,807,279; May 26.
Speaker. G. A. Gillen. 1,820,561; Aug. 25.
Speaker, Dynamic. W. H. Bathrick. 1,834,995; Dec. 8.
Speaker, Dynamic. R. T. Kingsford. 1,836,076; Dec. 15.
Speaker, Loud. C. Blieberger. 1,821,373; Sept. 1.
Speaker unit. C. J. Fitch. 1,830,755; Nov. 10.
Speaker unit, Adjustable. F. Boxley. 1,789,270; Jan. 13.
Speaker unit and support therefor. J. E. Rigali. 1,834,741; Dec. 1.
Spear. M. S. Black. 1,824,190; Sept. 22.
Spear. G. A. Lowrey and W. F. Hall. 1,805,828; May 19.
Spear, Casting. I. Thomas. 1,825,026; Sept. 29.
Spear, Hydraulic trip. F. Stone. 1,794,652; Mar. 3.
Spear, Release. W. J. Miller. 1,789,247; Jan. 13.
Spear, Rotary. W. S. Jones. 1,815,376; July 21.
Spear, Rotating. W. J. Miller. 1,813,459; July 7.
Specific digestion procedure and apparatus for use in the production of chemical wood pulp. C. E. Peterson. 1,792,703; Feb. 17.
Specific gravity of liquids. Device for determining the. E. Sachs. 1,832,792; Nov. 17.
Spectacle case. W. E. Christman. 1,829,736; Nov. 3.
Spectacle frame. N. M. Baker. Des. 84,176; May 19.
Spectacle frame. E. J. R. Beattey. Des. 83,423; Feb. 24.
Spectacle frame. F. E. Becker. 1,788,973; Jan. 13.
Spectacle frame. T. E. Bosworth. Des. 84,024; Apr. 28.
Spectacle frame. T. E. Bosworth. Des. 84,678; July 21.
Spectacle frame. L. E. Croe. Des. 84,399; June 16.
Spectacle frame. G. F. Marciano. Des. 84,897; Aug 18.
Spectacle frame. F. Pfaus and R. St. P. Smith. 1,833,792; Nov. 24.
Spectacle hinge construction. L. Dunkelsberg. 1,831,347; Nov. 10.
Spectacle temple. J. N. Nelson. 1,810,220; June 16.
Spectacles. L. Daniels. 1,819,738; Aug. 18.
Spectacles. E. E. Emons. Re17,994; Mar. 10.
Spectacles. E. E. Emons. Des. 85,089; Sept. 15.
Spectacles and goggles. J. A. Smith. Re17,996; Mar. 10.
Spectacles, Attachment for. L. Marvin. 1,787,830; Jan. 6.
Spectra demonstrator. H. W. Geromanos. 1,829,001; Oct. 27.
Speculum. W. K. Baer. 1,796,072; Mar. 10.
Speculum. W. T. Varney. 1,827,497; Oct. 13.
Speech transmission system. N. R. Stryker. 1,804,127; May 5.
Speed and torque converter, Variable. A. J. Democratis. 1,834,689; Dec. 1.
Speed change device. E. H. Godfrey. 1,836,587; Dec. 15.
Speed change device. A. H. King. 1,836,602; Dec. 15.
Speed change device. E. A. Ryder. 1,836,555; Dec. 15.
Speed change, Hydraulic. A. P. Steiner and H. E. Balsiger. 1,789,785; Jan. 20.
Speed change mechanism. J. R. Richer. 1,831,577; Nov. 10.
Speed change unit. J. H. Flagg. 1,820,061; Aug. 25.
Speed changer, Automatic. G. Fleischel. 1,838,096; Dec. 29.
Speed-changing assembly. C. H. Ramsey. 1,794,496; Mar. 3.
Speed changing device for motor cars. R. Bellantoni. 1,808,449; June 2.
Speed-changing mechanism. F. P. Foulke. 1,788,946; Jan. 13.
Speed-changing mechanism. G. T. Randol. 1,793,010; Feb. 17.
Speed-changing mechanism. J. G. Utz. 1,788,415; Jan. 13.
Speed-changing mechanism, Automatic. R. J. Jacker. 1,792,306; Feb. 10.
Speed-charging mechanism. E. G. Kesling. 1,800,837; Apr. 14.
Speed-control apparatus. M. E. Leeds. 1,789,683; Jan. 20.
Speed-control apparatus. A. H. Mears. 1,797,510; Mar. 24.
Speed control apparatus. W. A. Tolson. 1,818,963; Aug. 11.
Speed control apparatus for locomotives. H. Lemp. 1,838,419; Dec. 29.
Speed control, Automatic. E. H. Windle. 1,814,577; July 14.
Speed control device. E. E. Harper. 1,834,209; Dec. 1.
Speed control device. W. R. Murrow. 1,824,292; Sept. 22.
Speed control for alternating current motors, System of adjustable. A. M. Rossman. 1,830,485; Nov. 3.
Speed control for prime movers, Constant. R. G. Standerwick. 1,810,627; June 16.
Speed control mechanism. A. C. Getz. 1,819,889; Aug. 18.
Speed control mechanism for automobiles, Automatic. C. Adler, jr. 1,803,288; Apr. 28.
Speed control of vehicles, Automatic. W. K. Howe. 1,824,144; Sept. 22.
Speed control system. N. E. Bonn. 1,834,267; Dec. 1.
Speed control system. H. H. Cutler. 1,833,048; Nov. 24.
Speed control system and apparatus. M. H. Loughridge. 1,807,596; June 2.
Speed control system, Automatic. P. J. Simmen. 1,827,407; Oct. 13.
Speed control, System of. E. H. Horstkotte. 1,805,486; May 19.
Speed-controlled brake. J. M. Dapron and E. R. Fitch. 1,793,589; Feb. 24.
Speed controller mechanism, Variable. B. P. Graves. 1,812,871; July 7.
Speed controlling device for vehicles. A. Braun. 1,822,880; Sept. 15.
Speed controlling means, Automatic. A. Peterson. 1,801,366; Apr. 21.
Speed device, Change-. E. A. Fordyce. 1,800,062; Apr. 7.
Speed device, Change. E. K. P. Graham and S. E. Håkansson. 1,830,511; Nov. 3.
Speed device, Variable. C. E. Ives. 1,812,877; July 7.
Speed drive mechanism, Variable. T. Saki. 1,814,096; July 14.
Speed drive, Variable-. F. O. Vaughn. 1,793,571; Feb. 24.
Speed driving or transmitting mechanism, Variable-. L. S. Harber and J. E. Pointon. 1,801,043; Apr. 14.
Speed-governor device. J. Bilsky. 1,789,097; Jan. 13.
Speed increasing and reducing apparatus. J. Cotal. 1,802,630; Apr. 28.
Speed indicating and comparing device for vehicles. C. Joriot. 1,794,078; Feb. 24.
Speed indicating arrangement. H. T. Seeley. 1,836,820; Dec. 15.
Speed indicator. F. C. Biggert, jr. 1,822,950; Sept. 15.
Speed indicator. B. P. Romain. 1,816,748; July 28.
Speed measuring drum for tobacco feeds, Variable. R. E. Rundell. 1,838,111; Dec. 29.
Speed mechanism, Automatic change. P. Sanine. 1,818,910; Aug. 11.

Speed mechanism, Change-. W. R. Batcheldor. 1,799,578; Apr. 7.
Speed mechanism for slicing machines, Multiple. J. Folk. 1,824,949; Sept. 29.
Speed mechanism, Variable. J. M. Barr. 1,814,424; July 14.
Speed mechanism, Variable. L. M. Sheridan. 1,812,176; June 30.
Speed mechanism, Variable. L. M. Sheridan. 1,815,334; July 21.
Speed of automobiles, System for automatically controlling. C. Adler, jr. 1,803,289; Apr. 28.
Speed of ship propellers, Mechanism for accurately controlling and maintaining the. A. J. and H. A. Stubler. 1,836,826; Dec. 15.
Speed of vehicles, Device for measuring the. J. M. Waltman and J. F. Sirks. 1,803,224; Apr. 28.
Speed recording mechanism. M. H. Damerell. 1,812,083; June 30.
Speed-recording mechanism. J. Herstedt and J. Wilberg. 1,791,759; Feb. 10.
Speed reducer, Variable. J. M. Mann. 1,818,807; Aug. 11.
Speed-reduction mechanism. G. C. Sutton and P. H. Witschge. 1,788,602; Jan. 13.
Speed reduction signal. C. T. Magill. 1,816,540; July 28.
Speed regulating system. R. Herzog. 1,807,209; May 26.
Speed regulating system. E. L. Peterson. 1,819,439; Aug. 18.
Speed responsive apparatus. W. Baseler and A. Meyer. 1,820,042; Aug. 25.
Speed responsive device. A. Juneau. 1,823,830; Sept. 15.
Speed skidding device, Variable. M. H. Dickinson. 1,826,303; Oct. 6.
Speed transmission, Change. S. J. Boughton. 1,815,033; July 21.
Speed transmission, Change-. R. S. Jacobsen. 1,788,108; Jan. 6.
Speed transmission mechanism. J. W. Batchelder. 1,806,440; May 19.
Speed transmission mechanism, Reversible variable. W. C. Herman. 1,807,035; May 26.
Speed transmission mechanism, Variable. F. B. Halford and W. H. Arscott. 1,839,027; Dec. 29.
Speed transmission mechanism, Variable. B. Hall and E. F. Hathaway. 1,832,382–3; Nov. 17.
Speed transmission mechanism, Variable. B. Hall and E. F. Hathaway. 1,832,384; Nov. 17.
Speed transmission unit, Variable. G. C. Magness and C. W. Drake. 1,816,735; July 28.
Speed transmission, Variable. A. A. Heinzelmann. 1,809,123; June 9.
Speed transmission, Variable. R. S. Jacobson. 1,800,388; Apr. 14.
Speed transmission, Variable. H. L. Prout. 1,806,984; May 26.
Speed transmission, Variable. W. L. Saunders. 1,827,489; Oct. 13.
Speed transmission, Variable. E. K. Standish. 1,833,475; Nov. 24.
Speed transmission, Variable. P. L. Tenney. 1,826,408; Oct. 6.
Speed-transmitting mechanism, Variable- E. Gessner. 1,797,953; Mar. 24.
Speed unit, Variable-. P. B. Reeves. 1,792,242; Feb. 10.
Speed unit, Variable. P. B. Reeves. 1,822,935; Sept. 15.
Speed wrench. C. L. Coup. 1,788,014; Jan. 6.
Speed wrench. J. L. McLay. 1,835,315; Dec. 8.
Speedometer. J. Berge. 1,830,503; Nov. 3.
Speedometer. K. C. D. Hickman. 1,797,772; Mar. 24.
Speedometer. E. O. Holmberg. 1,823,044; Sept. 15.
Speedometer. P. A. Kourtzman. 1,827,988; Oct. 20.
Speedometer. W. Morell. 1,793,120; Feb. 17.
Speedometer. B. H. von Klein. 1,813,003; July 7.
Speedometer glass attachment. C. E. Erickson. 1,830,054; Nov. 3.
Speedometers, Device for testing. L. A. Winne. 1,790,128; Jan. 27.
Speedometers, Jewel plate for. R. O. Helgeby. 1,788,872; Jan. 13.
Speedometers, Ratchet drive for. H. A. Tittensor. 1,798,916; Mar. 31.
Speedometer, Recording. E. Cooper and A. S. Piper. 1,816,826; Aug. 4.
Speedometer temperature compensator. J. Zubaty. 1,838,896; Dec. 29.
Spherical objects, Apparatus for centering and marking. T. and M. Allatt. 1,789,892; Jan. 20.
Sphygmograph. A. G. Ronning. 1,834,006; Dec. 1.
Spice can rack. O. J. Phelps and D. F. Eastburn. 1,824,230; Sept. 22.
Spider. H. W. Goetz, R. C. Clark, and J. J. Ferlin. 1,803,608; May 5.
Spider, Well casing. F. B. Angell. 1,823,183; Sept. 15.
Spigot-and-socket joint, Welded. W. Betz. 1,837,103; Dec. 15.
Spigot and socket joint, Welded. J. Gradl. 1,816,770; July 28.
Spike anchor, Railroad. J. A. Lambert. 1,809,519; June 9.
Spike attachment for shoes. E. J. Krebs. 1,823,612; Sept. 15.
Spike driving apparatus. G. M. Nell. 1,811,475; June 23.
Spike making machine. C. H. Frederick. 1,821,888; Sept. 1.
Spike puller. C. J. Amera. 1,833,451; Nov. 24.
Spike puller. E. Ford. 1,830,269; Nov. 3.
Spike puller. J. H. Turner. 1,821,041; Sept. 1.
Spinach, etc., washing machine. H. Robinson. 1,814,964; July 14.
Spinal extensor. J. J. Nugent. 1,803,556; May 5.
Spindle. J. J. Pichette. 1,790,835; Feb. 3.
Spindle. B. R. Sweet. 1,803,151; Apr. 28.
Spindle and tool, Milling-machine. J. B. Armitage, E. J. Kearney, B. P. Graves, and L. F. Nenninger. 1,794,361; Mar. 3.
Spindle, Ball-bearing. J. V. M. Risberg. 1,787,548; Jan. 6.
Spindle bolt remover. E. E. Richardson and R. L. Culpepper. 1,819,973; Aug. 18.
Spindle center turning machine, Multiple. E. P. Bullard, jr. 1,804,971; May 12.
Spindle chucking machine, Multiple. J. J. Spring. 1,810,300; June 16.
Spindle, Cotton picker. J. Calling. 1,838,360; Dec. 29.
Spindle drilling machine, Internal radial multiple. J. S. Lach. 1,829,045; Oct. 27.
Spindle drilling machine, Multiple-. W. H. Miner. 1,793,239; Feb. 17.
Spindle driving mechanism. F. K. Hendrickson. 1,803,186; Apr. 28.
Spindle driving mechanism. J. A. Kooistra. 1,820,310; Aug. 25.
Spindle-drum drive for spinning frames, Differential. H. A. Owen and A. Ambye. 1,796,392; Mar. 17.
Spindle for serving machines, Self-centering. H. P. Arnold. 1,832,273; Nov. 17.
Spindle for spinning or twisting machines. F. K. Hendrickson. 1,817,144; Aug. 4.
Spindle for spinning yarn, Electrically-driven. A. Friederich. 1,789,676; Jan. 20.
Spindle for web rolls, Chuck. I. I. Stone. 1,789,481; Jan. 20.
Spindle-lift stop. T. J. Risk. 1,795,576; Mar. 10.
Spindle lock, High speed. L. C. Dupuis. 1,838,814; Dec. 29.
Spindle machine, Multiple. D. F. Domizi. 1,826,867; Oct. 13.
Spindle molding machine, Double. E. W. Neale and A. H. Handley. 1,809,488; June 9.
Spindle rail lifting mechanism. H. A. Owen. 1,824,788; Sept. 29.
Spindle, Spinning. F. Eisenlohr and C. Uebelen. 1,814,743; July 14.
Spindle, Stripper. H. Dabbs. 1,826,602; Oct. 6.
Spindle structure for type holders and the like. O. Halvorsen and S. F. Kiesling. 1,793,397; Feb. 17.
Spindles from reciprocating, Holding normally reciprocating. C. Ott. 1,795,230; Mar. 3.
Spindles in textile spinning machines, Driving. J. Berlinerblau. 1,825,472; Sept. 29.
Spine corrector. H. Knudson. 1,833,426; Nov. 24.
Spinner for trolling. L. H. Schwarz. 1,831,267; Nov. 10.
Spinneret, Tantalum. M. M. Austin. 1,791,785; Feb. 10.
Spinning and like frames, Oiling of flyers in. T. A. and H. A. Boyd. 1,793,355; Feb. 17.
Spinning and other textile frames, Drag arrangements for. J. Hargrove. 1,825,061; Sept. 29.
Spinning apparatus. C. Van Coppenolle. 1,823,011; Sept. 15.
Spinning apparatus for drilling rigs, Casing. W. W. Foster. 1,826,760; Oct. 13.
Spinning, doubling, twisting, and like machines, Anti-ballooning arrangement for cap and ring. J. O. Whitehead. 1,790,336; Jan. 27.
Spinning frame and spindle-drive mechanism. J. Graveline. 1,799,896; Apr. 7.
Spinning frames, Adjustable drive for top and bottom drawing rolls of. A. Ambye. 1,799,451; Apr. 7.
Spinning frames and for preparatory machinery, Drawing device for. J. Pfimlin. 1,809,252; June 9.
Spinning frames and for preparing machinery, Drawing device for. J. Pfimlin. 1,809,251; June 9.
Spinning frames, Bunch builder for. H. A. Owen. 1,838,059; Dec. 22.
Spinning frames, Bunch building mechanism for. J. A. Jessen. 1,830,549; Nov. 3.
Spinning frames, Bunch building mechanism for. A. Smith. 1,830,339; Nov. 3.
Spinning frames, Bunch building mechanism for. A. Smith. 1,832,745; Nov. 17.
Spinning frames, Tread-board-lifting mechanism for. H. A. Owen. 1,796,390; Mar. 17.
Spinning machine, Centrifugal. J. McGowan. 1,789,107; Jan. 13.
Spinning machine for artificial silk. H. Hamel. 1,806,851; May 26.
Spinning machines, Automatic thread tension regulator for continuously acting. A. Nau-Touron. 1,803,124; Apr. 28.
Spinning machines, Bunch-building and bobbin-forming attachment for. J. L. Lyle. 1,797,353; Mar. 24.
Spinning machines, Former for. G. D. Spackman. 1,789,455; Jan. 20.
Spinning machines, High-draft system for. F. Broch. 1,794,578; Mar. 3.
Spinning machines, Ring and traveler for. W. T. Munson. 1,807,861; June 2.
Spinning machines, Roll-holder for rivet. G. A. Linley. 1,816,490; July 28.

Spinning machines, Rotatable head for rivet. W. B. McNaughton. 1,790,829; Feb. 3.
Spinning machines, Speed control apparatus for. H. Tanner. 1,806,098; May 19.
Spinning machines, Twister head traversing motion for wool. S. H. Helland. 1,838,483; Dec. 29.
Spinning or twisting machines, Spindle-stopping mechanism for. F. K. Hendrickson. 1,790,815; Feb. 3.
Spinning, twisting, and similar machines, Facilitating doffing in flyer. W. Prince-Smith and D. Waterhouse. 1,825,201; Sept. 29.
Spiral, Compound. C. W. Kurie, jr., and C. W. Ankeny. 1,830,516; Nov. 3.
Spirits and making the same, Denatured. R. H. McKee. 1,804,632; May 12.
Spittoon. C. and G. Occhipinti and C. Gonzalez. 1,795,793; Mar. 10.
Splash catcher. G. Böllert. 1,792,138; Feb. 10.
Splash shield. A. C. Hardy. 1,795,366; Mar. 10.
Splasher plate for vehicle bumpers. M. Z. and S. Katz. 1,813,624; July 7.
Splice bar or fishplate. L. S. Wilbur. 1,787,560; Jan. 6.
Splice bar or fish plate. L. S. Wilbur. 1,809,092; June 9.
Splice bar or fish plate. L. S. Wilbur. 1,811,342; June 23.
Splice for elastic webbing. B. Laskin. 1,828,812; Oct. 27.
Splicer. S. S. Matthes. 1,823,330; Sept. 15.
Splicer. S. S. Matthes. 1,832,940; Nov. 24.
Splicing machine, Lumber-. J. A. Beerworth. 1,796,185; Mar. 10.
Spline, Antifriction. L. C. Schenck. 1,837,838; Dec. 22.
Spline hobbing apparatus. H. W. Jacobson and R. A. Demeillers. 1,830,659; Nov. 3.
Splint. C. F. Clayton. 1,793,776; Feb. 24.
Splint, Construction of wrist. R. Levinson. 1,836,476; Dec. 15.
Splint, Surgical. J. J. Ettinger. 1,837,153; Dec. 15.
Split D handle. V. Horner. 1,797,724; Mar. 24.
Split D-handle. W. A. Ready. 1,804,950; May 12.
Splitting machine. W. C. Baxter. 1,814,111; July 14.
Splitting machine. W. C. Baxter. 1,836,149; Dec. 15.
Splitting machine. A. Bjorklund. 1,834,762; Dec. 1.
Spoke and rim attachment, Screw type. J. P. Tarbox and C. L. Eksergian. 1,834,507; Dec. 1.
Spoke holes in rim members of vehicle wheels, Apparatus for forming. D. E. Copple. 1,825,180; Sept. 29.
Spoke straightener and wheel aligning tool, Wire. H. R. Kennedy. 1,822,407; Sept. 8.
Spoke tennon and felly clip. M. J. Adams. 1,816,201; July 28.
Spoke, Wire. E. W. Stoler. 1,814,531; July 14.
Spokes, Apparatus and method for making. G. C. Hawk. 1,826,350; Oct. 6.
Sponge and manufacture thereof, Artificial. Y. Cornic. 1,816,764; July 28.
Sponge and wash rag, Combination. R. Stewart. 1,820,256; Aug. 25.
Sponge cup. H. F. Guentzler. 1,807,239; May 26.
Sponge, Rubber. M. E. Blumenfeld. 1,816,108; July 28.
Sponge rubber, Cutting. W. Vernet. 1,814,197; July 14.
Spool. G. D. Atwood. 1,835,866; Dec. 8.
Spool. W. C. Mills. 1,792,753; Feb. 17.
Spool adjusting device. C. F. Van Hook. 1,836,208; Dec. 15.
Spool, All metal. F. J. Collins. 1,825,508; Sept. 29.
Spool body winding. E. G. Glidden. 1,821,796; Sept. 1.
Spool, Cake. W. H. Furness. 1,811,386; June 23.
Spool case, Cinematograph. H. M. Thornton. 1,801,061; Apr. 14.
Spoolcase, Cinematograph. J. E. Thornton. 1,839,064; Dec. 29.
Spoolcase, Cinematograph. J. E. Thornton. 1,839,132; Dec. 29.
Spool, Chalk line. F. L. Vanatta. 1,805,426; May 12.
Spool control for fishing reels, Automatic. L. J. Chudley. 1,821,461; Sept. 1.
Spool device for type ribbon material. E. Kirkbride. 1,819,712; Aug. 18.
Spool end and applying same. J. H. Kjellstrom. 1,836,974; Dec. 15.
Spool for photographic roll films. H. C. Rich. 1,792,709; Feb. 17.
Spool for treating yarn or rove with liquids. H. C. Watson and M. Waddell. 1,795,529; Mar. 10.
Spool, Metal. T. G. Baxenden and J. R. Collyear. 1,825,044; Sept. 29.
Spool, Metallic. T. G. Baxenden and J. R. Collyear. 1,794,054; Feb. 24.
Spool, Paper packing. C. H. Forney. 1,829,642–3; Oct. 27.
Spool or like article. C. A. Joslin. Des. 85,526; Nov. 10.
Spool rack. D. Audino. 1,832,850; Nov. 24.
Spool or reel. W. C. Mills. 1,818,149; Aug. 11.
Spool, Yarn. E. F. Hathaway and W. Bixby. 1,801,503; Apr. 21.
Spoolers on wire drawing machines, Distributing apparatus for. N. H. Nye. 1,808,714; June 2.
Spooling mechanism. C. E. Traxel. 1,834,749; Dec. 1.
Spoon. H. Mock. 1,819,191; Aug. 18.
Spoon and scraper or similar article, Combination. I. W. Farquharson. Des. 85,232; Sept. 29.
Spoon, Cocktail. R. E. Pellow. Des. 84,647; July 14.
Spoon content leveler and divider, Combination. G. E. Gilmartin. 1,833,212; Nov. 24.
Spoon, Fruit. A. Chambers. 1,827,781; Oct. 20.
Spoon hook. L. M. Davis. 1,903,056; Apr. 28.
Spoon, Luminous fishing. A. F. J. Lafky. 1,817,694; Aug. 4.
Spoon, Multiflash. A. Crosby. 1,837,656; Dec. 22.
Spoon or analogous article. C. B. Blake. Des. 83,786; Mar. 31.
Spoon or analogous article. A. J. Flauder. Des. 84,329; June 9.
Spoon or analogous article. H. E. Nock. Des. 84,099; May 5.
Spoon or other article of tableware. E. T. Beck. Des. 84,674; July 21.
Spoon or other article of tableware. L. A. Brown. Des. 84,976–7; Sept. 1.
Spoon or other article of tableware. A. G. Kintz. Des. 85,245; Sept. 29.
Spoon or similar article. G. N. Allen, M. G. Parker, and L. E. Resseger. Des. 83,486–7; Mar. 3.
Spoon or similar article. G. N. Allen and M. G. Parker. Des. 83,714; Mar. 24.
Spoon or similar article. G. N. Allen and C. A. Bennett. Des. 83,941; Apr. 21.
Spoon or similar article. G. N. Allen and M. G. Parker. Des. 83,942; Apr. 21.
Spoon or similar article. P. B. Ball. Des. 84,127; May 12.
Spoon or similar article. T. E. Cayer. Des. 83,091; Jan. 20.
Spoon or similar article. L. V. M. Helander. Des. 84,933; Aug. 25.
Spoon or similar article. B. P. Jenks. Des. 83,680; Mar. 17.
Spoon or similar article. A. G. Kintz. Des. 83,200; Feb. 3.
Spoon or similar article. F. W. Koonz. Des. 85,529; Nov. 10.
Spoon or similar article. O. W. Lucas. Des. 83,207; Feb. 3.
Spoon or similar article. F. Prétat. Des. 84,901; Aug. 18.
Spoon or similar article. A. H. Staf. Des. 84,223; May 19.
Spoon or similar article. F. S. Trumbull. Des. 84,265; May 26.
Spoon or similar article. W. S. Warren. Des. 84,611; July 7.
Spoon or similar article. W. S. Warren. Des. 84,719; July 21.
Spoon or similar article. F. R. Woodward. Des. 84,312; June 2.
Spoon or similar article, Beverage. T. Harding. Des. 85,178; Sept. 22.
Spoon, Sipper. F. S. Trumbull. Des. 84,064; Apr. 28.
Spoon, Trolling. E. G. Allen. 1,809,663; June 9.
Sport bag. A. Bertini. 1,810,813; June 16.
Spot and trouble light, Combination adjustable driving. C. A. Boatman. 1,834,821; Dec. 1.
Spot board. W. and J. A. Schultz. 1,801,112; Apr. 14.
Spot effacing compound, Wall. C. I. Phillips and M. J. Christensen. 1,834,801; Dec. 1.
Spotlight. W. Gehrig. 1,794,166; Feb. 24.
Spotlight. J. K. Russell. 1,833,308; Nov. 24.
Spotlight, Adjustable. W. W. Gehersky. 1,812,290; June 30.
Spotlight and observation device, Combination. J. J. Chardell and L. J. Ferdinand. 1,828,924; Oct. 27.
Spotlight, Dirigible. W. H. Farr. 1,830,355; Nov. 3.
Spotlight, Dirigible. R. E. Johnston. 1,831,356; Nov. 10.
Spotlight, Focusing. G. C. Fullmer. 1,821,430; Sept. 1.
Spotlight projecting machine. A. J. Oberg and R. R. Stoefen. 1,835,176; Dec. 8.
Spotlight switch. G. W. Veale. 1,826,105; Oct. 6.
Spotlights dirigible, Mechanism for rendering. A. R. Wammack. 1,797,598; Mar. 24.
Spotter, Flexible vulcanizing. A. W. Gay. 1,822,022; Sept. 8.
Spout. G. Sakier. Des. 85,397; Oct. 20.
Spout, Adjustable. E. J. Brandt. 1,816,515; July 28.
Spout, China. P. Mueller. 1,790,316–17; Jan. 27.
Spout construction. W. J. Geist. 1,830,056; Nov. 3.
Spout construction. W. R. Henion. 1,810,137; June 16.
Spout, Dock. E. F. Carter. 1,814,618; July 14.
Spout for cans, Dispensing. I Newman. 1,831,188; Nov. 10.
Spout for containers or the like. W. J. Geist. 1,830,057; Nov. 3.
Spout for containers, Pouring. C. J. Aulbach and E. D. Anderson. 1,794,098; Feb. 24.
Spout for containers, Pouring. C. H. Rollason. 1,836,729; Dec. 15.
Spout for syrup containers. C. P. Shepard. 1,791,004; Feb. 3.
Spout, Liquid dispensing. T. E. Barnes. 1,816,107; July 28.
Spout, Pouring. P. H. Flautt. 1,814,083; July 14.
Spouts, Attaching lead. J. M. Hothersall. 1,797,418; Mar. 24.
Spouts, Turnhead for dock. E. F. Carter. 1,814,619; July 14.
Spray. J. F. Schylander. 1,787,998; Jan. 6.
Spray. J. F. Schylander. 1,809,073; June 9.
Spray, Animal. T. E. Peck. 1,834,175; Dec. 1.
Spray appliance. V. G. Green and A. Wyzenbeek. 1,837,861; Dec. 22.
Spray attachment for faucets. L. J. Armstrong. 1,814,020; July 14.

Spray device. E. H. Braatelien. 1,812,234; June 30.
Spray device. O. L. Jansky. 1,813,623; July 7.
Spray device. J. H. Montgomery. 1,832,570; Nov. 17.
Spray device, Facial. J. Coletti. 1,795,329; Mar. 10.
Spray device, Hand. A. M. Herbsman. Des. 85,871; Dec. 29.
Spray extractor. G. Raymond. 1,834,180; Dec. 1.
Spray gun. A. W. Adams. 1,793,383; Feb. 17.
Spray gun. E. N. Berggren. Des. 85,228; Sept. 29.
Spray gun. P. S. Case. 1,828,732; Oct. 27.
Spray gun. C. A. Norgren. 1,824,363; Sept. 22.
Spray gun. F. A. Tittemore. 1,788,810; Jan. 13.
Spray gun and cleaning means therefor. E. A. Ward. 1,816,555; July 28.
Spray gun, Touch-up. S. Bramsen and W. Hersleb. 1,812,922; July 7.
Spray gun, Touch up. W. Hersleb and S. Bramsen. 1,824,017; Sept. 22.
Spray head. G. A. Mueller. 1,800,262; Apr. 14.
Spray head. E. G. Munz. 1,801,524; Apr. 21.
Spray head. E. G. Munz. 1,837,575; Dec. 22.
Spray material and method of application. R. M. Bird. 1,817,227; Aug. 4.
Spray, Sanitary toilet seat bowl. H. B. Levy and S. Kaminsky. 1,818,562; Aug. 11.
Spray stand. T. M. Hamilton, jr. 1,821,303; Sept. 1.
Spray table. F. G. Dennison. 1,821,694; Sept. 1.
Sprayer. A. A. Breuer. 1,806,784; May 26.
Sprayer. F. A. Cuff. 1,788,188; Jan. 6.
Sprayer. W. L. Hamilton. 1,829,043; Oct. 27.
Sprayer. L. W. Macomber. 1,831,603; Nov. 10.
Sprayer. O. Wisner. 1,788,223; Jan. 6.
Sprayer, Binder. R. E. Willard. 1,816,453; July 28.
Sprayer, Centrifugal liquid. W. Weimers. 1,817,328; Aug. 4.
Sprayer, Chemical. C. D. Swett. 1,831,979; Nov. 17.
Sprayer construction. H. E. Brandt. 1,792,802; Feb. 17.
Sprayer for lacquer. H. E. Brandt. 1,792,803; Feb. 17.
Sprayer, Paint. J. F. Schylander. 1,820,544; Aug. 25.
Sprayer, Pocket perfume. M. P. L. Dardel. 1,811,919; June 30.
Spraying and squirting process and apparatus therefor. A. Krautzberger. 1,829,661; Oct. 27.
Spraying apparatus. R. E. McKenzie. 1,836,269; Dec. 15.
Spraying apparatus. B. C. Skinner. 1,830,297; Nov. 3.
Spraying apparatus and controlling same. W. A. Ready. 1,789,945; Jan. 20.
Spraying, Apparatus for. C. D. Collins. 1,806,192; May 19.
Spraying appliance. S. Bramsen and W. Hersleb. 1,797,209; Mar. 17.
Spraying attachment. C. B. Lawrence and E. F. Martinet. 1,805,216; May 12.
Spraying booth and the like. J. A. Paasche. 1,788,956; Jan. 13.
Spraying device. I. C. Baker. 1,826,977; Oct. 13.
Spraying device. S. G. Buskard. 1,831,342; Nov. 10.
Spraying device. W. Hermann. 1,826,134; Oct. 6.
Spraying device. W. Hermann. 1,835,707; Dec. 8.
Spraying device. O. J. Mutschel. 1,806,112; May 19.
Spraying device. O. J. Mutschel and F. Custer. 1,791,142 Feb. 3.
Spraying device. J. B. Rosefield. 1,825,092; Sept. 29.
Spraying device. L. P. Uphoff and F. A. Sims. 1,822,553; Sept. 8.
Spraying device for spraying paints, varnishes, etc. W. Hermann. 1,822,622; Sept. 8.
Spraying equipment. F. J. Martin. 1,827,157; Oct. 13.
Spraying machine. W. Brehmer. 1,807,469; May 26.
Spraying machine. J. W. Griess. 1,826,774; Oct. 13.
Spraying machine, Paint-. F. A. Tittemore. 1,788,811; Jan. 13.
Spraying, System and apparatus for. J. A. Paasche. 1,806,365; May 19.
Spraying unit. A. A. Breuer. 1,804,589; May 12.
Spreader body. E. C. Smith. 1,815,337; July 21.
Spreader device for concrete forms. F. C. Wotnoske. 1,815,368; July 21.
Spreader for caponizing. F. G. Graves. 1,799,554; Apr. 7.
Spreader, Necktie. F. G. Burghart, jr. 1,833,353; Nov. 24.
Spreader or distributor. F. J. Yochem. 1,835,196; Dec. 8.
Spring; *See*—
Antishinning spring.
Automobile spring.
Cutter spring.
Door spring.
Friction spring.
Laminated spring.
Pneumatic spring.
Ring spring.
Semielliptic spring.
Upholstering and mattress spring.
Valve spring.
Vehicle spring.
Spring. G. H. Beaumont. 1,809,959; June 16.
Spring. J. F. Bernhardt. 1,835,134; Dec. 8.
Spring. P. A. Carteret. 1,818,040; Aug. 11.
Spring. B. R. Dexter. 1,819,281; Aug. 18.
Spring. P. Grabler. 1,831,594; Nov. 10.
Spring. O. L. Neisler. 1,808,473; June 2.
Spring. F. H. Owens. 1,831,258; Nov. 10.
Spring. W. H. Wallace. 1,826,108; Oct. 6.
Spring actuated reel. J. E. Minty. 1,803,481; May 5.
Spring antirattling device for windows, Flat. J. Polachek, J. A. Jepsen, and E. Peremi. 1,808,609; June 2.
Spring assembly for upholstery. L. A. Suekoff. 1,793,724; Feb. 24.
Spring balancing device. W. H. Benedict. 1,794,825; Mar. 3.
Spring ball gun. C. L. Stark. 1,832,330; Nov. 17.
Spring bar. H. M. Hill. 1,790,706; Feb. 3.
Spring barrel construction. R. T. Axe. 1,835,258; Dec. 8.
Spring bed, Adjustable coiled. J. H. Schiffhouer. 1,815,742; July 21.
Springboard for dough troughs, Adjustable. P. C. Pauls. 1,799,831; Apr. 7.
Spring brake, Friction. M. Harris. 1,828,367; Oct. 20.
Spring checking device. H. J. Stead. 1,829,376; Oct. 27.
Spring clip box. H. J. Chauvin. 1,823,930; Sept. 22.
Spring clip, Sound-insulated. G. C. Batz. 1,793,771; Feb. 24.
Spring conditioning device. E. D. Cawley. 1,817,877; Aug. 4.
Spring connection. R. Henry and F. E. Bradfield. 1,817,438; Aug. 4.
Spring connection. R. R. Searles. 1,827,711; Oct. 13.
Spring connection, Antifriction. R. R. Searles. 1,807,093; May 26.
Spring connection, Detachable bridge. V. Tanasso and J. J. Pomeranz. 1,839,169; Dec. 29.
Spring construction. F. Burch. 1,793,421; Feb. 17.
Spring construction. B. Read. 1,823,168; Sept. 15.
Spring construction. G. I. Newman and L. A. New. 1,837,828; Dec. 22.
Spring construction. G. I. Newman and L. A. New. 1,837,885; Dec. 22.
Spring construction, Cushioning. O. R. Wikander. 1,792,344; Feb. 10.
Spring construction, Vehicle. R. M. Lovejoy. 1,802,028; Apr. 21.
Spring construction, Vehicle. W. J. Sprong. 1,829,163; Oct. 27.
Spring constructions, Apparatus for use in and method of assembling. F. A. Kellar. 1,820,537; Aug. 25.
Spring control for internal combustion engines, Valve. D. G. Roos. 1,824,734; Sept. 22.
Spring control, Vehicle. G. H. Tabor. 1,800,483; Apr. 14.
Spring controlling device. H. J. Stead. 1,788,254; Jan. 6.
Spring counterbalance and lock for pressing machines. H. A. Steel. 1,823,478; Sept. 15.
Spring cushion. F. Karr. 1,798,885; Mar. 31.
Spring cushion construction. W. B. Foster. 1,805,817; May 19.
Spring cushion for presses. F. J. Rode. 1,827,440; Oct. 13.
Spring cushioning devices, Adjusting means for. H. Mesinger. 1,811,403; June 23.
Spring device. J. W. Anderson. 1,788,373; Jan. 13.
Spring device. R. D. Burford. 1,816,358; July 28.
Spring device. C. L. Ross. 1,805,600; May 19.
Spring device. O. R. Wikander. 1,792,343; Feb. 10.
Spring device for beds. B. W. Hartman. 1,830,107; Nov. 3.
Spring element. W. A. Brecht. 1,826,597; Oct. 6.
Spring end connection. E. H. Cooper 1,807,099; May 26.
Spring end connection. J. W. Smith. 1,807,094; May 26.
Spring equalizer. S. R. McClay. 1,822,499; Sept. 8.
Spring expanding apparatus. J. N. White. 1,803,518; May 5.
Spring for an engine support, Auxiliary. W. Westling. 1,828,452; Oct. 20.
Spring for bed-ridden patients. G. W. Jardine. 1,839,033; Dec. 29.
Spring for motor trucks, Shock absorbing. A. W. Sansburn. 1,825,093; Sept. 29.
Spring for motor vehicles, Air. S. G. Down. 1,816,075; July 28.
Spring for ranges, Oven door. W. D. Antrim. 1,827,554; Oct. 13.
Spring for shaft driven vehicles, Auxiliary. P. E. Matthews. 1,834,286; Dec. 1.
Spring for window sashes, Antirattling. J. Polachek, J. A. Jepsen, and E. Peremi. 1,808,608; June 2.
Spring forming machine. C. Peterson. 1,801,820; Apr. 21.
Spring guard, Bed. M. Goldberg. 1,808,846; June 9.
Spring handling machine. W. S. Bullock. 1,827,561; Oct. 13.
Spring hanger. G. H. Cail. 1,832,617; Nov. 17.
Spring jack. H. W. Zimmerman. 1,828,758; Oct. 27.
Spring leaf lubricator. F. X. La Chall. 1,809,244; June 9.
Spring lock. A. F. W. Viehweger. 1,836,209; Dec. 15.
Spring means, Motor suspension. A. Partin. 1,811,961; June 30.
Spring members, Apparatus for connecting coiled. C. Lofman. 1,817,087; Aug. 4.
Spring motor. J. Anderson. 1,796,183; Mar. 10.
Spring motor. W. J. De Witt. 1,829,265; Oct. 27.
Spring motor. G. O. Joyner. 1,833,838; Nov. 24.
Spring mounting. O. F. Lundelius and J. R. Dillon. 1,810,319; June 16.
Spring mounting for presses and the like. G. F. Wales. 1,811,987; June 30.
Spring nut lock. G. Monroe. 1,793,116; Feb. 17.
Spring pad construction. H. A. Steele. 1,816,238; July 28.
Spring power storing mechanism. E. J. Russell. 1,837,631; Dec. 22.
Spring-reaction neutralizer. G. M. and R. M. Cross.
Spring retainer, Coil-. E. W. Stevens. 1,796,487; Mar. 17. 1,797,719; Mar. 24.
Spring retarder, Vehicle. M. Harris. 1,834,704; Dec. 1.

Spring retaining means. T. H. Symington. 1,818,362; Aug. 11.
Spring roller. T. B. Thurman. 1,803,042; Apr. 28.
Spring-roller assembly. N. H. Nelson. 1,800,654; Apr. 14.
Spring shackle. W. C. Betz. 1,798,864; Mar. 31.
Spring shackle. C. Claus. 1,817,891–2; Aug. 4.
Spring shackle. B. Read. 1,807,635; June 2.
Spring shackle. R. R. Searles. 1,798,906; Mar. 31.
Spring shackle, Eccentrically adjusted. G. H. Hufferd. 1,812,876; July 7.
Spring snubber, Vehicle. V. C. Worlein. 1,805,350; May 12.
Spring spreader. R. D. Barnhart. 1,808,625; June 2.
Spring strike for doorlocks. J. H. Shaw. 1,796,307; Mar. 17.
Spring structure. F. O'Brien. 1,815,210–11; July 21.
Spring structure. R. E. McElroy. 1,826,012; Oct. 6.
Spring structure. D. T. Owen. 1,797,787; Mar. 24.
Spring structure. T. C. Prouty. 1,833,532; Nov. 24.
Spring structure. G. A. Stackhouse. 1,804,821; May 12.
Spring support for ladies' shoes. S. N. Coleman. 1,833,962; Dec. 1.
Spring support for motors. A. J. Reed. 1,809,603; June 9.
Spring suspension. F. E. Davis. 1,789,426; Jan. 20.
Spring suspension. F. Kutsukian. 1,788,061; Jan. 6.
Spring suspension. A. H. Leipert. 1,794,780; Mar. 3.
Spring suspension. J. W. Leighton. 1,801,435; Apr. 21.
Spring suspension for six wheel vehicles. F. E. Davis. 1,822,131; Sept. 8.
Spring suspension for vehicles. W. C. Dunn. 1,804,405; May 12.
Spring suspension for vehicles, Leaf-. L. Rossi. 1,792,038; Feb. 10.
Spring suspension system. O. K. Kjolseth. 1,812,793; June 30.
Spring suspension systems, Controlling device for vehicle. E. F. Zaparka. 1,822,185–8; Sept. 8.
Spring suspension, Truck. R. Hubbard. 1,831,710; Nov. 10.
Spring suspension, Vehicle. J. T. McIntosh. 1,812,661; June 30.
Spring suspension, Vehicle. J. R. Ogden, jr. 1,813,757; July 7.
Spring tensioning device. D. S. Barrows and E. J. Blake. 1,837,192; Dec. 22.
Spring testing and assorting machine. L. P. Crosman. Re17,992; Mar. 10.
Spring testing device. E. E. Essen. 1,822,587; Sept. 8.
Spring testing machine. L. P. Crosman. 1,828,176; Oct. 20.
Spring toggle. J. Karitzky. 1,829,357; Oct. 27.
Spring tooth and spring disk harrow. W. M. Shelton. 1,817,851; Aug. 4.
Spring unit, Bourdon. C. A. Withers. 1,798,645; Mar. 31.
Spring washer. B. Foco. 1,816,673; July 28.
Spring wheel. W. E. Kawalle. 1,828,322; Oct. 20.
Springing for upholstery. A. Bing. 1,833,817; Nov. 24.
Springs and spring casings, Making coiled. C. L. Paulus and H. O. Russell. 1,804,705; May 12.
Springs, Assembling bed and cushion. G. A. Stackhouse. 1,832,149; Nov. 17.
Springs, Brush of steel wire. W. Walbröhl. 1,837,931; Dec. 22.
Springs crossed and interlocked, Helical. D. Hanauer. 1,788,868; Jan. 13.
Springs, Device for removing and installing. H. Droddy. 1,803,750; May 5.
Springs, Forming coil. A. R. Bond. 1,835,589; Dec. 8.
Springs, Insert for automobile. A. W. Meier. 1,822,816; Sept. 8.
Springs, Making heavy duty. F. B. Bell and O. R. Wikander. 1,801,994; Apr. 21.
Springs, Making helical. G. M. Eaton. 1,826,060; Oct. 6.
Springs, Making volute. W. E. Wine. 1,802,299; Apr. 21.
Springs, Method of and apparatus for adjusting. C. Paulson. 1,796,805; Mar. 17.
Springs on locomotives, Device for changing. C. Crossman. 1,833,738; Nov. 24.
Spring winding mechanism. H. E. Warren. 1,837,929; Dec. 22.
Sprinkler: *See*—
Automatic sprinkler. Oscillating sprinkler.
Lawn sprinkler. Rotary sprinkler.
Sprinkler. G. A. Allen. 1,834,118; Dec. 1.
Sprinkler. G. Buelna. 1,800,858; Apr. 14.
Sprinkler. G. Buelna and H. E. J. Vacher. 1,823,315; Sept. 15.
Sprinkler. G. E. Eck. 1,804,001; May 5.
Sprinkler. C. H. Perry. 1,821,723; Sept. 1.
Sprinkler. F. M. Pottenger, jr. 1,796,942; Mar. 17.
Sprinkler. E. Regester. 1,788,779; Jan. 13.
Sprinkler. G. and P. W. te Groen. 1,794,013; Feb. 24.
Sprinkler. A. Tichava. 1,790,732; Feb. 3.
Sprinkler fire protection apparatus. J. P. Thurell. 1,804,374; May 5.
Sprinkler for narrow areas. W. Van E. Thompson. 1,827,961; Oct. 20.
Sprinkler head. J. R. Hamilton. 1,837,322; Dec. 22.
Sprinkler head. A. J. Miller. 1,799,243; Apr. 7.
Sprinkler head. J. F. Moran. Des. 84,900; Aug. 18.
Sprinkler head, Automatic rotating. W. Van E. Thompson. 1,819,530; Aug. 18.
Sprinkler head, Lawn-. C. U. Tyrrell. 1,790,358; Jan. 27.
Sprinkler head or nozzle for filter beds. H. Beddoes. 1,814,112; July 14.
Sprinkler system. J. R. Hamilton. 1,815,355; July 21.
Sprinkler system. F. H. Johnson. 1,831,007; Nov. 10.
Sprinkler system. F. M. Pottenger, jr. 1,796,941. Mar. 17.
Sprinkling apparatus. R. B. Campbell. 1,804,742; May 12.
Sprinkling apparatus. J. E. Desmond. 1,811,042; June 23.
Sprinkling apparatus. J. T. Plumer. 1,832,915; Nov. 24.
Sprinkling device. F. C. Orr. 1,791,222; Feb. 3.
Sprinkling device, Water-. F. C. Orr. 1,798,488; Mar. 31.
Sprinkling system. F. M. Pottenger, jr. 1,796,940. Mar. 17.
Sprocket. T. B. Munroe. 1,808,369; June 2.
Sprocket, Driving. F. E. Davis. 1,836,706; Dec. 15.
Spud and spud-point. R. H. Dietert. 1,820,881; Aug. 25.
Spun cakes for transport, Handling. W. Schulz and H. Hoffmann. 1,835,904; Dec. 8.
Spur, Riding. G. J. Ormiston. Des. 84,490; June 23.
Sput. R. F. Golden. 1,830,939; Nov. 10.
Square. P. C. Trotter. 1,831,693; Nov. 10.
Square and protractor, Combination. W. Grozi. 1,828,930; Oct. 27.
Square, Triangular combination. Le R. Stover. 1,836,407; Dec. 15.
Squeegee, Window cleaning. N. Hawrylasz. 1,828,139; Oct. 20.
Squeezer, Lemon. A. A. Pochyla. 1,835,966; Dec. 8.
Squeezing machine. E. Freund. 1,837,034; Dec. 15.
Squeezing machines, Adjustable hinged yoke for. L. Tabor and F. R. Wallace. 1,828,882; Oct. 27.
Squeezing mechanism. J. S. Clark. 1,787,929; Jan. 6.
Squirrel cage motor. R. R. Sheely. 1,823,337; Sept. 15.
Stabilizer. W. W. Hartman. 1,820,381; Aug. 25.
Stabilizer and fin, Adjustable. W. K. Ebel and L. C. Milburn. 1,820,271; Aug. 25.
Stabilizer, Automatic. C. A. Musgrove and F. F. Benson. 1,821,271; Sept. 1.
Stabilizer for aircraft, Directional. H. M. Salisbury and A. E. Miller. 1,803,655; May 5.
Stabilizer for airplanes. F. J. Pike. 1,821,273; Sept. 1.
Stabilizer, High frequency. L. A. Hyland. 1,822,812; Sept. 8.
Stabilizer modulator, Piezo-electric crystal. A. McL. Nicolson. 1,801,636; Apr. 21.
Stabilizer or time control device, Electrical frequency. J. A. Smale. 1,819,487; Aug. 18.
Stabilizing device. C. B. Perkins. 1,791,972; Feb. 10.
Stabilizing device. F. D. W. Searing. 1,812,174; June 30.
Stabilizing device. F. D. W. Searing. 1,826,830; Oct. 13.
Stabilizing device for steering knuckles. P. E. Matthews. 1,828,425; Oct. 20.
Stables, Manure handler for. G. E. Rogers. 1,791,381; Feb. 3.
Stack. J. V. Schaefer. 1,817,104; Aug. 4.
Stack protector for warships. W. E. Durborow. 1,796,749; Mar. 17.
Stacker. A. L. Milligan. 1,824,913; Sept. 29.
Stacker, Hay. J. F. Chladek. 1,809,178; June 9.
Stacker, Hay. D. H. Easterly. 1,806,243; May 19.
Stacker, Hay. J. M. Spangler. 1,798,045; Mar. 24.
Stacker, Portable. F. D. Coppock. 1,821,881; Sept. 1.
Stacker, Slice. L. Nestor. 1,821,445; Sept. 1.
Stacking machine. C. C. Hall. 1,820,563; Aug. 25.
Stacking machine. H. E. Hudson. 1,819,841; Aug. 18.
Stacking machine, Automatic. J. J. Semashko. 1,801,696; Apr. 21.
Stadia rod. H. R. Thornburgh. 1,805,605; May 19.
Stadium, Night and day. F. W. Erickson. 1,800,984; Apr. 14.
Stadium seat, Portable. J. S. and O. W. Ponten. 1,809,392; June 9.
Staff for rotating apparatus. J. H. Kohler. 1,830,032; Nov. 3.
Stage display device. H. Ziemmerman. 1,808,708; June 2.
Stage dressing room, Folding. J. L. Kemp. 1,796,567; Mar. 17.
Stage for microscopes, Rotating. W. Schäfer. 1,798,634; Mar. 31.
Stage lift flowing device, Automatic. A. Boynton. 1,832,088; Nov. 17.
Stage lift flowing device. A. Boynton. 1,819,538; Aug. 18.
Stage mounting for cinematographic pictures. B. S. Glagolin. 1,797,286; Mar. 24.
Stage, Revolving. C. E. Pressley. 1,819,656; Aug. 18.
Stage, Scaffold. F. A. Davidson. 1,801,904; Apr. 21.
Stage, Window. L. E. Thrasher. 1,823,771; Sept. 15.
Staging or semi-decking apparatus for automobile shipping. F. L. Seeley. 1,829,681; Oct. 27.
Staging, Portable. L. R. Hollister. 1,825,590; Sept. 29.
Stair construction. H. Chambers. 1,815,048; July 21.
Stair construction. W. A. Davis. 1,789,969; Jan. 27.
Stair construction, Metal. J. Winston. 1,796,175; Mar. 10.
Stair form. N. Bois. 1,799,405; Apr. 7.
Stair protractor. W. H. Drescher. 1,834,389; Dec. 1.

Stair structure, Sheet metal. T. L. Cook. 1,835,759; Dec. 8.
Stair tread. E. L. Loudenslager. 1,789,875; Jan. 20.
Stairway construction. P. Galassi. 1,835,942; Dec. 8.
Stairway construction. A. L. Woodbridge. 1,792,792; Feb. 17.
Stairway, Disappearing. F. E. Bessler. 1,811,707–10; June 23.
Stairway, Disappearing. F. E. Bessler. 1,811,820; June 23.
Stairway, Disappearing. F. E. Bessler. 1,821,872; Sept. 1.
Stairway, Disappearing wall. F. E. Bessler. 1,811,706; June 23.
Stairway, Disappearing wall. F. E. Bessler. 1,814,889; July 14.
Stairway, Moving. J. W. Gies. 1,788,364; Jan. 6.
Stairway-platform construction. A. L. Woodbridge. 1,789,574; Jan. 20.
Stairway step. C. L. Wooldridge. 1,815,126; July 21.
Stairway unit. G. A. Simons and G. Freeberg. Des. 83,067; Jan. 13.
Stairway unit. G. A. Simons and G. Freeberg. Des. 83,648; Mar. 10.
Stake and attaching means therefor, Garden. R. T. Cole. 1,793,734; Feb. 24.
Stake box. G. H. Miller. 1,814,521; July 14.
Stake, Car. F. A. Lorenz, jr. 1,794,697; Mar. 3.
Stake for cars, Collapsible. W. P. Kelly. 1,789,759; Jan. 20.
Stake pocket. J. J. Tatum. 1,825,832; Oct. 6.
Stake releasing pocket. H. C. Moll. 1,829,570; Oct. 27.
Stake, Tent. P. C. Gianini. 1,805,084; May 12.
Stalk cutter. B. Katzfey. 1,836,666; Dec. 15.
Stalk cutter. W. J. Michalka. 1,817,999; Aug. 11.
Stalk cutter. J. Setzer. 1,801,116; Apr. 14.
Stalk cutter. P. W. Spell. 1,808,266; June 2.
Stalk and weed cutter. A. D. Sims and A. C. Wright. 1,810,061; June 16.
Stall and boat brake, Combined docking. E. N. Cavert. 1,799,456; Apr. 7.
Stall, Animal. H. H. Grubb. 1,818,552; Aug. 11.
Stall, Cow. C. A. Nesbitt and B. C. Morrison. 1,795,407; Mar. 10.
Stall storage system. D. Cole. 1,829,923; Nov. 3.
Stamp. L. Melind. 1,788,681; Jan. 13.
Stamp. W. J. Pannier, jr. 1,828,230; Oct. 20.
Stamp affixing machine. A. Gay. 1,820,697; Aug. 25.
Stamp affixing machine. A. J. Keiser. 1,838,841; Dec. 29.
Stamp affixing machine. J. D. Mohr. 1,834,170; Dec. 1.
Stamp cutting, affixing, inking and canceling machine, Manually operated. C. R. Penney. 1,812,980; July 7.
Stamp, Dating. R. Villon and R. Lemaignen. 1,808,089; June 2.
Stamp device, Multiple. T. B. Powers. 1,827,260; Oct. 13.
Stamp, Hammer. W. J., jr., and O. M. Pannier. 1,793,224; Feb. 17.
Stamp or printing roller for stamp cancelling machine. O. F. Lefebvre. 1,835,410; Dec. 8.
Stamp pad, Resilient. E. Baumgarten. 1,796,137; Mar. 10.
Stamp pad, Postage indicia. W. H. Wheeler, jr. and A. K. Viele. 1,821,044; Sept. 1.
Stamp rack. R. Evans. 1,809,195; June 9.
Stamp, Rotary dating. J. G. Ackerman. 1,796,741; Mar. 17.
Stamp, Time. L. C. Bishop and A. L. Sprecker. 1,798,583; Mar. 31.
Stamp vending machine. J. W. Barnes. 1,815,343; July 21.
Stamping apparatus for registration of any desired values of business or work operations. P. Mansel. 1,820,751; Aug. 25.
Stamping chase and palette, Combined. W. Hehn. 1,817,142; Aug. 4.
Stamping device. E. Alexander, C. S. Dutton and G. H. Derrick, deceased; V. A. Derrick, executrix. 1,801,832; Apr. 21.
Stamping device. M. Brugière. 1,798,655; Mar. 31.
Stamping device. R. M. Dugdale. 1,795,480; Mar. 10.
Stamping device. R. M. Dugdale. 1,801,594–5; Apr. 21.
Stamping device. R. M. Dugdale. 1,801,597; Apr. 21.
Stamping device. R. M. Dugdale. 1,829,586; Oct. 27.
Stamping device, Automatic. E. E. Evans. 1,803,323; May 5.
Stamping machine. M. Arnold. 1,818,836; Aug. 11.
Stamping machine. P. R. Glass. 1,802,377; Apr. 28.
Stamping machine. O. C. Kavle. 1,825,069; Sept. 29.
Stamping machine. U. Kohler. 1,798,328; Mar. 31.
Stamping machine. E. H. Trump. 1,807,499; May 26.
Stamping machine. G. F. Yager. 1,827,683; Oct. 13.
Stamping machine, Automatic. P. S. Pittenger and E. J. Richards. 1,832,501; Nov. 17.
Stamping machine, Box-. D. O. Tempestini. 1,796,224; Mar. 10.
Stamping machine for conveyers. J. S. Phelps. 1,810,327; June 16.
Stamping machines, Mechanism for. G. W. Heene. 1,835,706; Dec. 8.
Stamping, printing, and stamp-canceling device. W. Friedrichs. 1,789,038; Jan. 13.
Stamps, labels, and the like, Apparatus for affixing. O. Matzka. 1,807,424; May 26.
Stanchion and stall, Cow. M. B. Shafer. 1,797,159; Mar. 17.
Stanchion, Cow. H. B. Babson. 1,835,923; Dec. 8.
Stanchion, Multiple-operated. H. L. Ferris. 1,790,577; Jan. 27.
Stand: *See*—
Advertising stand.
Bicycle stand.
Book stand.
Brake adjusting stand.
Cable reel stand.
Calender stand.
Chorus stand.
Christmas tree stand.
Christmas tree support stand.
Clothes stand.
Cravat supporting stand.
Collapsible stand.
Cooky display stand.
Cylinder head stand.
Desk stand.
Display or supporting stand
Display stand.
Drinking stand.
Drum stand.
Engine head stand.
Engine stand.
Fern stand.
Floor stand.
Flower stand.
Fruit and vegetable stand.
Golf-bag stand.
Hearth-ring stand.
Iron stand.
Match stand.
Motor supporting stand.
Music stand.
Novelty stand.
Nursing stand.
Operating stand.
Packing stand.
Pilot stand.
Pinion stand.
Pipe vise stand.
Plant stand.
Radiator stand.
Railway switch stand.
Reading stand.
Reel stand.
Road stand.
Rope display stand.
Shaving stand.
Shoe-last stand.
Smoker's desk stand.
Smoker's stand.
Spray stand.
Switch stand.
Telephone stand.
Tire display stand.
Tire stand.
Traffic sign stand.
Utility stand.
Vehicle brake adjusting stand.
Vise stand.
Stand. C. H. Critchfield and R. R. Lockard. Des. 85,814; Dec. 22.
Stand. F. H. Leslie. 1,823,616; Sept. 15.
Stand. A. B. Ramsperger. 1,805,674; May 19.
Stand and casing for a dry-cleaning machine or similar article, Combined. L. B. Green. Des. 83,801; Mar. 31.
Stand and control means for electric portable drills. J. G. Collins. 1,794,149; Feb. 24.
Stand and filing device, Combined. N. C. Durand. 1,821,621; Sept. 1.
Stand and pen rack, Combined ink. S. Keltonik. 1,806,630; May 26.
Stand and serving apparatus, Service. B. H. Allen. 1,819,806; Aug. 18.
Stand and sharpener, Combination pencil. G. Potstada. 1,788,589; Jan. 13.
Stand and shelving, Display. C. L. Foretich. 1,802,245; Apr. 21.
Stand and the like, Display. J. Horwath. Des. 18,153; Aug. 18.
Stand and the like, Display. J. Horwath. 1,803,851; May 5.
Stand and work case, Blackboard. W. F. Spencer. 1,810,501; June 16.
Stand for a hand telephone, Desk. L. J. Loeffler. Des. 83,329; Feb. 17.
Stand for an ash tray or other similar article. A. von Frankenberg. Des. 85,720; Dec. 8.
Stand for bottle dispensing refrigerators. C. A. Frick. 1,811,228; June 23.
Stand for casket-lowering devices, Receiving. W. H. Lisle. 1,797,663; Mar. 24.
Stand for diagnostic instruments. H. L. De Zeng. 1,795,296; Mar. 10.
Stand for holding rolled sheet materials. W. J. Weeks. 1,818,772; Aug. 11.
Stand for manicure sets. F. Tourtois. 1,790,122; Jan. 27.
Stand for pressing irons, Folding. A. E. Zimmermann. 1,801,476; Apr. 21.
Stand for smokers' and similar articles. C. Tuteur. Des. 85,266; Sept. 29.
Stand for smoker's and similar articles. A. von Frankenberg. Des. 84,606–10; July 7.
Stand for smokers' articles, Combination. A. W. Rasmusson. Des. 85,596; Nov. 17.
Stand for smoker's or other similar articles. A. von Frenkenberg. Des. 85,721; Dec. 8.
Stand for vehicles, Stretcher. F. Tintner. 1,789,163; Jan. 13.
Stand for visible index and record equipment. F. D. Powell. 1,789,838–9; Jan. 20.
Stand or analogous article, Smoker's. H. K. Dalton. Des. 84,882; Aug. 18.
Stand or article of similar nature, Smoker's. C. Shulman. Des. 83,836; Mar. 31.
Stand or holder, Card. J. E. Lambert. 1,829,360; Oct. 27.
Stand or holder for containers. F. Wolf. 1,811,222; June 23.
Stand or similar article, Smoker's. L. Daigre-Gore. Des. 82,980; Jan. 6.
Stand or support. F. Köbler. 1,826,474; Oct. 6.
Stand pipe apparatus. S. S. Cole. 1,800,717; Apr. 14.
Stand pipe connection for buildings. W. H. Symonds. 1,804,714; May 12.
Stand structure, News. W. J. Byrnes, R. A. Byrnes, and C. J. Saunders. 1,817,062; Aug. 4.
Standard, Light. G. L. Richardson. Des. 83,750; Mar. 24.

Standard, Lighting. J. W. Gosling. Des. 85,331; Oct. 13.
Standard, Traffic. J. H. Freedlander. Des. 85,470; Nov. 3.
Staple. R. W. Jewell. 1,790,348; Jan. 27.
Staple. E. S. Miller and R. W. Stambaugh. 1,793,816; Feb. 24.
Staple, Clinch. F. W. Siegel. 1,798,989; Mar. 31.
Staple clip and fabricating the same. L. Obstfeld. 1,811,060; June 23.
Staple for mulching paper, Anchor. J. H. Cook. 1,810,463; June 16.
Staple package. A. H. Maynard. 1,792.235; Feb. 10.
Staple puller. A. J. Vrana. 1,802,687; Apr. 28.
Stapling device. T. S. Falk. 1,830,650; Nov. 3.
Stapling device. M. Vogel. 1,836,944; Dec. 15.
Stapling machine. C. F. Capell. 1,813,839; July 7.
Stapling machine. E. Craig. 1,817,803; Aug. 4.
Stapling machine. D. R. La Place. 1,802,387; Apr. 28
Stapling machine. A. H. Maynard. 1,815,066; July 21.
Stapling machine. R. E. Peterson. 1,807,170; May 26.
Stapling machine. R. E. Peterson. 1,810,528; June 16.
Stapling machine. F. Polzer. 1,829.537; Oct. 27.
Stapling machine for fiber board blanks. H. G. Allen. 1,812,189; June 30.
Stapling machines, Attachment for. L. Obstfeld. 1,810,982; June 23.
Staples and the like, Manufacture of insulating. E. A and F. Probert. 1,793,960; Feb. 24.
Staples, Imbedding. E. C. Pitcher. 1,828,067; Oct. 20.
Starch from starch-containing matter by washing out the latter, Appparatus for separating. O. Riemann. 1,798,811; Mar. 31.
Starch, Manufacture of. R. O. McCoy. 1,832,229; Nov. 17.
Starch, Manufacture of soluble. R. and W. Haake. 1,792.088; Feb. 10.
Starch, Manufacturing. R. O. McCoy and O. A. Sjostrom. 1,828,334; Oct. 20.
Starching machine. J. Briscoe. 1,837,527; Dec. 22.
Starter and pound section. O. Smith. 1,803,813; May 5.
Starter attachment for automobiles. A. C. McCurdy. 1,812,352; June 30.
Starter control. A. F. Jackson. 1,800,636; Apr. 14.
Starter device. D. T. Brownlee. 1,809.017; June 9.
Starter, Electrical carburetor. P. E. Edelman. 1,824,985; Sept. 29.
Starter, Engine. R. Abell. 1,829.624; Oct. 27.
Starter, Engine. V. Bendix. 1,827,867; Oct. 20.
Starter, Engine. H. Burton. 1,815,047; July 21.
Starter, Engine. J. W. Fitzgerald. 1,804,575; May 12.
Starter, Engine. V. C. Hodges. 1,828,369; Oct. 20.
Starter, Engine. M. B. Jackson and K. M. Clipsham. 1,791,273; Feb. 3.
Starter, Engine. M. B. Jackson and K. M. Clipsham. 1,815,914; July 28.
Starter, Engine. C. Marcus. 1,824,826; Sept. 29.
Starter, Engine. W. L. McGrath. Re18,040; Apr. 14.
Starter, Engine. W. L. McGrath. 1,820,397; Aug. 25.
Starter, Engine. W. L. McGrath. 1,822,163; Sept. 8.
Starter, Engine. W. L. McGrath. 1,830,204; Nov. 3.
Starter, Engine. J. H. Richards. 1,818,649; Aug. 11.
Starter, Engine. W. R. Scarlett. 1,838,004; Dec. 22.
Starter, Engine. P. T. Snyder. 1,819,391; Aug. 18.
Starter, Engine. M. P. Whitney. Re18,261; Nov. 24.
Starter, Engine. M. P. Whitney. 1,795,460; Mar. 10.
Starter, Engine. M. P. Whitney. 1,808,622; June 2.
Starter, Engine. M. P. Whitney. 1,828,010; Oct. 20.
Starter for automobile engines. C. R. Martineau 1,795,030; Mar. 3.
Starter for engines. M. B. Jackson. 1,830,759; Nov. 10.
Starter for internal combustion engines. G. R. Lawrence. 1,805,313; May 12.
Starter for internal-combustion engines. H. J. Leighton. 1,790,274; Jan. 27.
Starter for mechanically-driven machines. E. H. Lorenz. 1,790,352; Jan. 27.
Starter for outboard motors. J. S. Benson. 1,789,423; Jan. 20.
Starter for washing machines, Motor. F. L. Rocke. 1,833,499; Nov. 24.
Starter mechanism. E. Fromm. 1,805,944; May 19.
Starter mechanism. E. R. Huntley. 1,820.536; Aug. 25.
Starter mechanism for engines. A. Dow. 1,817,179; Aug. 4.
Starter mechanism for internal combustion engines. A. Dow. 1,817,178; Aug. 4.
Starter mechanism lock. C. Nolan and W. J. Ray. 1,828,575; Oct. 20.
Starter, Motor. F. L. Capps. 1,792,814; Feb. 17.
Starter, Self-. R. Benfield. 1,793,459; Feb. 24.
Starter switch, Dash spring. C. A. Kelly. 1,814,558; July 14.
Starters of automobiles and concurrently retarding the ignition sparks in the engines thereof, Actuating the electric. A. H. Alkire. 1,817,472; Aug. 4.
Starting and controlling mechanism for Diesel engines. D. C. Barrett. 1,831,646; Nov. 10.
Starting and landing device for airships of the lighter than air type. A. Grampp. 1,806,939; May 26.
Starting and lighting system, Engine. O. S. Brown. 1,814,617; July 14.
Starting and pumping systems for motor vehicles, Combined. V. G. Apple. 1,811,836; June 30.
Starting and stopping mechanism. J. L. Perkins and H. D. Croft. 1,813,254; July 7.
Starting apparatus. T. A. Keen. 1,810.179; June 16.
Starting apparatus, Engine-. W. A. Chryst. 1,800,508; Apr. 14.
Starting apparatus, Engine. W. A. Chryst. 1,807,772; June 2.
Starting apparatus, Engine. W. A. Chryst. 1,814,241; July 14.
Starting apparatus, Engine. J. B. Dyer. 1,810,393; June 16.
Starting apparatus, Engine. R. P. Lansing. 1,833,948; Dec. 1.
Starting apparatus, Engine. C. Marcus. 1,811,949; June 30.
Starting apparatus, Engine. W. H. Teeter. 1,828,709; Oct. 20.
Starting apparatus, Vapor-arc-lamp. L. J. Buttolph. 1,788,909; Jan. 13.
Starting apparatus for motor vehicles with internal combustion engines. R. Schwenke. 1,822,673; Sept. 8.
Starting attachment for motor vehicles. F. O. Koepp. 1,822,041; Sept. 8.
Starting block. A. M. Barron. 1,793,898; Feb. 24.
Starting charges for engines, Producing compressed. L. F. Barlow. 1,824,457; Sept. 22.
Starting connection for alternating currents. E. Mayer. 1,837.563; Dec. 22.
Starting device. N. A. Lopez. 1,830,844; Nov. 10.
Starting device, Electric. V. G. Apple. 1,803,829; May 5.
Starting device, Engine. J. B. Dyer. 1,817,490; Aug. 4.
Starting device, Engine. F. R. Wood. 1,816,032; July 28.
Starting device for aeroplanes, Engine. C. B. Kirkham. 1,816,976; Aug. 4.
Starting device for airplanes. O. Richter. 1,797,514; Mar. 24.
Starting device for flying machines. E. Heinkel. 1,798,940; Mar. 31.
Starting device for quartz mercury arc lamps, Electromechanical. W. T. Anderson, jr., and L. F. Bird. 1,838.033; Dec. 22.
Starting device for synchronous motors. W. S. Pfeifer. Re18,000; Mar. 17.
Starting gate, Partitioned. M. Cassidy. 1,822,080; Sept. 8.
Starting machine. A. T. J. Bahr. 1,795,820; Mar. 10.
Starting machine. A. T. J. Bahr. 1,815,757; July 21.
Starting means for internal-combustion engines, Auxiliary. C. F. Heywood. 1,789,587; Jan. 20.
Starting means for internal combustion engines, Auxiliary. C. F. Heywood. 1,834,311; Dec. 1.
Starting mechanism. J. A. McGrew. 1,830,614; Nov. 3.
Starting mechanism, Engine. W. L. McGrath. 1,811,401; June 23.
Starting mechanism, Fluid pressure. T. J. Roberts. 1,806,083; May 19.
Starting mechanism for internal combustion engines. E. A. Watts. 1,835,543; Dec. 8.
Starting mechanism, Internal combustion engine. V. F. Zahodiakin. 1,816,557. July 28.
Starting of aeroplanes, Method and device for the automatic. R. Bernady. 1,815,092; July 21.
Starting switch. L. M. Williams. 1,791,087; Feb. 3.
Starting switch, Motor. W. S. Pfeifer. 1,812,712; June 30.
Starting system for automobiles, Electric. S. C. Spivey. 1,828,514; Oct. 20.
Starting system, Engine-. J. Good. 1,788,713; Jan. 13.
Starting system for internal comoustion engines. H. T. Herr. 1,814,802; July 14.
Starting system, Synchronous machine. C. A. Butcher. 1,804,591; May 12.
Static device for the automatic and progressive closing of electric circuits. H. André and A. Monnier. 1,788,970; Jan. 13.
Static eliminator. J. A. Bishop. 1,836,950; Dec. 15.
Static eliminator. E. E. Bishop and F. J. Brook. 1,821,336; Sept. 1.
Static eliminator. F. R. Monroe, H. K. Dolson, and B. T. Tuttle. 1,809.789; June 9.
Static eliminator. O. L. Richards. 1,789,192; Jan. 13.
Static eliminator, Wireless receiving. A. G. Anderson. 1,803,419; May 5.
Static frequency changer. R. K. Bonell. 1,819,069; Aug. 18.
Static suction apparatus. R. Lejay. 1,811,323; June 23.
Static, System for minimizing. C. W. Woodruff. 1,789,208; Jan. 13.
Station control, Automatic. A. J. A. Peterson. 1,789,155; Jan. 13.
Station front. Filling. H. J. Smith. Des. 85,717; Dec. 8.
Station, Service. G. L. Rosebrook. Des. 85,599; Nov. 17.
Stationary apparatus, Continuous. M. S. Roosevelt. 1,808,437; June 2.
Stationary boiler. V. Z. Caracristi. 1,792,068; Feb. 10.
Stationery and methods of using same, Multiple-wound-roll. A. E. Imbus. 1,797,775; Mar. 24.
Statistical machine. E. Goldberg. 1,838,389; Dec. 29.
Statistical machine, Record-card-controlled. C. Campbell. 1,791,921; Feb. 10.
Stator for reversible induction motors. C. E. Walters. 1,838,122; Dec. 29.
Stator with insulation enclosed winding. V. G. Apple. 1,830,458; Nov. 3.

Statuette. H. Fingold. Des. 83,960; Apr. 21.
Statuette. L. Gaba. Des. 83,433–5; Feb. 24.
Statuette. I. McHugh. Des. 84,157; May 12.
Statuette for barber shops or beauty parlors. O. I. Hetzer. Des. 85,649; Dec. 1.
Statuette for book end, as tray or similar article. L. Cross. Des. 85,861; Dec. 29.
Statuette or article of similar nature. C. Shulman. Des. 84,761; July 28.
Statuette or similar article. C. Shulman. Des. 84,856; Aug. 11.
Stave brushing and polishing machine. T. Poinsett. 1,836,499; Dec. 15.
Stave planer cutter head. E. R. Norton and A. G. Wheeler. 1,834,034; Dec. 1.
Stave, Silo. L. D. Houghtaling. 1,834,842; Dec. 1.
Stay and fastener, Window. W. H. Schmitt. 1,800,158; Apr. 7.
Staybolt tap. E. Duchesne. 1,817,133; Aug. 4.
Stay for the hinged lids or covers of gramophones, boxes, and the like. H. D. Jackson and F. White. 1,796,331; Mar. 17.
Steak tenderer. H. H. Hart. 1,809,165; June 9.
Steam and hot water boiler. O. B. Olmstead. 1,807,249; May 26.
Steam and other vapors, Generation of. W. D. La Mont. 1,827,244; Oct. 13.
Steam-applying device. S. A. Gott and F. G. Dyer. 1,796,866; Mar. 17.
Steam atomizing oil burner. R. H. Forney. 1,820,352; Aug. 25.
Steam board. H. Betke. 1,789,424; Jan. 20.
Steam board. H. Betke. 1,810,338; June 16.
Steam board. J. A. Byrne. 1,789,213; Jan. 13.
Steam boiler. G. A. Bryan. 1,824,256; Sept. 22.
Steam boiler. J. Burke. 1,803,790; May 5.
Steam boiler. C. T. Carlson. 1,798,454; Mar. 31.
Steam boiler. I. C. Hicks. 1,809,446; June 9.
Steam boiler. D. S. Jacobus. 1,790,750; Feb. 3.
Steam boiler. D. S. Jacobus. 1,796,713; Mar. 17.
Steam boiler. D. S. Jacobus. 1,801,275; Apr. 21.
Steam boiler. D. S. Jacobus. 1,809,972; June 16.
Steam boiler. D. S. Jacobus. 1,836,251; Dec. 15.
Steam boiler. R. E. Jones. 1,820,807; Aug. 25.
Steam boiler. J. Kemnal. 1,832,029; Nov. 17.
Steam boiler. H. J. Kerr. 1,819,179; Aug. 18.
Steam boiler. W. S. Monroe. 1,813,504; July 7.
Steam boiler. A. D. Pratt. 1,823,701; Sept. 15.
Steam boiler. J. J. Regan. 1,823,573; Sept. 15.
Steam boiler. H. B. Smith. 1,839,125; Dec. 29.
Steam boiler. A. L. Wilson. 1,830,776; Nov. 10.
Steam boiler. J. B. Wood. 1,819,350; Aug. 18.
Steam boiler, Electric. J. B. Odell. 1,791,970; Feb. 10.
Steam-boiler furnace. J. C. Hobbs. 1,790,707; Feb. 3.
Steam boiler, High-pressure. H. C. Bjering. 1,798,653; Mar. 31.
Steam boiler, Rotating. J. V. Blomquist. 1,816,712; July 28.
Steam box. C. J. Hofstetter. 1,790,749; Feb. 3.
Steam by indirect heating, Process and apparatus for producing. O. H. Hartmann. 1,788,520; Jan. 13.
Steam condensing apparatus, Portable. F. X. Loeffler. 1,829,528; Oct. 27.
Steam control of rotary feeding means. P. Jones and P. W. Prutzman. 1,798,797; Mar. 31.
Steam cooling system. A. W. Pope, jr. 1,812,899; July 7.
Steam desuperheater. H. J. Mastenbrook. 1,787,790; Jan. 6.
Steam distillation. J. G. Glasgow. 1,817,250; Aug. 4.
Steam drier. E. E. Murray. 1,827,798; Oct. 20.
Steam drier. S. S. Riegel. 1,795,890; Mar. 10.
Steam engine. J. C. Burford. 1,802,233; Apr. 21.
Steam engine. R. C. Stevens. 1,798,816; Mar. 31.
Steam engine. H. J. Titus. 1,821,532; Sept. 1.
Steam engine, Rotary. C. W. Phillips. 1,813,316; July 7.
Steam engine, Rotary. C. H. Seaholm. 1,793,643; Feb. 24.
Steam finishing apparatus. K. Otsuka. 1,807,007; May 26.
Steam flash boiler. R. R. Waterman. 1,797,109; Mar. 17.
Steam for use in turbines, Apparatus for reheating. L. J. Marshall. 1,818,996; Aug. 18.
Steam, Generating. A. C. Wood. 1,830,155; Nov. 3.
Steam generating apparatus. C. L. Thorne. 1,811,193; June 23.
Steam generating installation. G. P. Jackson. 1,828,467; Oct. 20.
Steam generating plant. A. E. Leek. 1,807,538; May 26.
Steam generating plant for the generation of high pressure steam. K. Alles. 1,821,781; Sept. 1.
Steam generating plant for the generation of high pressure steam. W. Petersen and R. Tröger. 1,816,793; July 28.
Steam generating system. F. W. Gay. 1,807,783; June 2.
Steam generating system. K. A. Mayr. 1,819,186; Aug. 18.
Steam generation. W. R. Wood. 1,811,658; June 23.
Steam generation. W. R. Wood. 1,828,483; Oct. 20.
Steam generation in high pressure steam plants, Apparatus for automatically controlling the. W. Stender. 1,832,150; Nov. 17.
Steam generator. F. G. Farr and G. H. Didinger. 1,806,390; May 19.
Steam generator. H. Gleichmann. 1,809,270; June 9.
Steam generator. B. U. Hills. 1,836,247; Dec. 15.
Steam generator. J. F. Kavanagh. 1,829,863; Nov. 3.
Steam generator. W. D. La Mont. 1,819,470; Aug. 18.
Steam generator. K. A. Mayr. 1,814,605; July 14.
Steam generator. J. J. Nelis. 1,790,593; Jan. 27.
Steam generator. J. and A. Niclausse. 1,793,867; Feb. 24.
Steam generator. O. Ratschkowsky. 1,829,839; Nov. 3.
Steam generator. J. B. Scheel. 1,800,961. Apr. 14.
Steam generator. W. J. Wohlenberg. 1,833,508; Nov. 24.
Steam generator. A. C. Wood. 1,815,086; July 21.
Steam generator. W. R. Wood. 1,809,097; June 9.
Steam generator. W. R. Wood. 1,830,181; Nov. 3.
Steam generator, Automotive. R. R. McKnight and A. Webber. 1,798,550; Mar. 31.
Steam generator, Electric. A. N. Otis. 1,818,861; Aug. 11.
Steam generator for students, Low pressure. W. H. Stannard. 1,802,542; Apr. 28.
Steam generator, High pressure. R. Klein. 1,834,282; Dec. 1.
Steam generator, High pressure. W. G. Noack. 1,817,419; Aug. 4.
Steam generator, Water tube. E. W. Jones. 1,814,447; July 14.
Steam generator, Water tube. R. Klein. 1,831,417; Nov. 10.
Steam generators, Arrangement for the regulation of. M. U. Büchting, H. Grüss, and W. Liesegang. 1,789,863; Jan. 20.
Steam gun. H. Colburn. 1,799,502; Apr. 7.
Steam heater, Baby bottle. T. C. Torgerson. 1,828,628; Oct. 20.
Steam heater, Exhaust. J. N. and S. L. Wyndham. 1,830,585; Nov. 3.
Steam heating. J. L. Fitts. 1,824,046; Sept. 22.
Steam-heating apparatus and fitting. E. E. Gold. 1,790,805; Feb. 3.
Steam heating plant. A. Miersbe. 1,806,304; May 19.
Steam heating system. G. Campbell. 1,833,824; Nov. 24.
Steam heating system. L. W. Carroll. 1,830,051; Nov. 3.
Steam heating system. E. S. Halsey. 1,803,015; Apr. 28.
Steam injector, Exhaust. J. A. R. Smith. 1,831,755; Nov. 10.
Steam in the manufacture of phosphorus acids from phosphorus and steam, Production of. W. Wild and G. Wietzel. 1,823,923; Sept. 22.
Steam jet construction, Circulating. O. Jacobsen. 1,818,979; Aug. 18.
Steam-jet ejector, Multistage. J. Sim. 1,810,873; June 16.
Steam, Method and apparatus for desuper-heating. J. R. McDermet. 1,800,740; Apr. 14.
Steam, Method of and apparatus for generating and superheating. W. S. Buell. 1,807,505; May 26.
Steam operated auxiliaries, Exhaust. J. F. Griffin. 1,835,773; Dec. 8.
Steam plant. R. C. Roe. 1,839,121; Dec. 29.
Steam plant. J. Ruths. 1,800,959; Apr. 14.
Steam plant. J. H. Sengstaken. 1,795,317; Mar. 10.
Steam platen. R. W. Dinzl. 1,818,387; Aug. 11.
Steam platen. F. G. Schranz. 1,790,114; Jan. 27.
Steam pressing iron. H. A. Koenig. 1,803,116; Apr. 28.
Steam, Process and apparatus for superheating. L. C. Karrick. 1,832,219; Nov. 17.
Steam purifier. C. G. Hawley. 1,790,305; Jan. 27.
Steam purifier, Centrifugal. C. G. Hawley. 1,801,044; Apr. 14.
Steam purifying apparatus. R. G. Manifold. 1,808,424; June 2.
Steam separator. J. R. Kruse. 1,822,442; Sept. 8.
Steam separator. L. T. Mart. 1,789,315; Jan. 20.
Steam separator, Internal. W. S. A. Backhouse. 1,797,564; Mar. 24.
Steam supply apparatus. W. A. Gilchrist. 1,819,286; Aug. 18.
Steam trap. F. Ackerman. 1,823,077; Sept. 15.
Steam trap. E. F. Baker. 1,838,089; Dec. 29.
Steam trap. W. B. Clifford. 1,816,142; July 28.
Steam trap. D. N. Crosthwait, jr., and C. A. Dunham. 1,797,258; Mar. 24.
Steam trap. J. L. Fitts. 1,832,291; Nov. 17.
Steam trap. G. F. Gerdts. 1,811,045; June 23.
Steam trap. H. A. Kieselbach. 1,789,706; Jan. 20.
Steam trap. G. F. McDougall. 1,816,541; July 28.
Steam trap. W. Parks. 1,794,918; Mar. 3.
Steam trap. D. A. Smelser. 1,807,882; June 2.
Steam trap. A. R. Thoke and W. H. Francis. 1,838,719; Dec. 29.
Steam trap. D. R. Yarnall. 1,805,064; May 12.
Steam trap, Thermostatic. W. K. Simpson. 1,828,080; Oct. 20.
Steam-turbine plant for high pressures and very high superheating. W. G. Noack and A. Meyer. 1,798,894; Mar. 31.
Steamer, Wiener. W. W. Hale. 1,829,088; Oct. 27.
Steaming board. H. G. Beede. 1,822,387; Sept. 8.
Steaming or aging machine for dyeing, printing and like operations. J. S. Wilson, G. W. Shearer, and J. Thomas. 1,819,051; Aug. 18.
Steel alloy. A. Fry. 1,835,151; Dec. 8.
Steel alloy. D. F. Youngblood. 1,822,792; Sept. 8.
Steel, Alumino thermic. J. H. Deppeler. 1,815,052; July 21.

Steel and forming wrought iron, Granulating. A. H. Beale and J. Aston. 1,820,176; Aug. 25.
Steel and manufacturing the same, Titanium. W. Mathesius. 1,839,157; Dec. 19.
Steel and producing same, Strain hardened manganese. F. A. Fahrenwald. 1,838,815; Dec. 29.
Steel, Antifriction corrosion resisting. F. R. Palmer. 1,835,960; Dec. 8.
Steel, Apparatus for hardening. J. H. Hafer. 1,834,702; Dec. 1.
Steel articles, Nitriding. R. Sergeson. 1,838,195; Dec. 29.
Steel, Assembling structural. A. A. Goerz. 1,819,287; Aug. 18.
Steel assembly and producing same, Structural. H. F. Norton and J. W. Owens. 1,823,699; Sept. 15.
Steel bleacher. H. D. Oberdorfer and J. B. Johnson. 1,809,598; June 9.
Steel containing nickel, silicon, and copper, Alloy. P. A. E. Armstrong and R. P. De Vries. 1,799,273; Apr. 7.
Steel cooling plate, Welded. B. J. Harlan. 1,830,318; Nov. 3.
Steel coupling, Drill-. C. C. Hansen. 1,800,998; Apr. 14.
Steel crosstie, Pressed. C. Leonard. 1,826,554; Oct. 6.
Steel for hardening, Heating. M. Winter. 1,812,837; June 30.
Steel for stringed musical instruments. H. Kailimai. 1,837,270; Dec. 22.
Steel, Heat treating. F. A. Fahrenwald. 1,787,977; Jan. 6.
Steel, Increasing the strength, toughness, and ductility of manganese. F. A. Fahrenwald. 1,834,206; Dec. 1.
Steel ingot. W. H. Ramage. 1,813,507; July 7.
Steel ingots, Manufacturing jailbar. M. R. Trembour and J. A. Auth. 1,834,750; Dec. 1.
Steel insensible to the action of hot gases and vapors, Making. B. Strauss. 1,829,118; Oct. 27.
Steel in the Bessemer process, Purification of. C. T. Hennig. 1,826,881; Oct. 13.
Steel in the open hearth process, Purifying. C. T. Hennig. 1,826,882; Oct. 13.
Steel load bearing members, Apparatus for the manufacture of expanded. H. M. Gersman. 1,827,314; Oct. 13.
Steel load-bearing members, Production of expanded-. H. M. Gersman. 1,796,146; Mar. 10.
Steel, Making open-hearth. A. L. Feild. 1,794,068; Feb. 24.
Steel, Making open-hearth. G. E. Hilliard. 1,793,442; Feb. 17.
Steel, Manufacture of. F. F. McIntosh. 1,797,728; Mar. 24.
Steel, Manufacture of vanadium. B. D. Saklatwalla. 1,811,698; June 23.
Steel nail bin. J. H. Ganzer. 1,801,076; Apr. 14.
Steel, Pickling of stainless. N. H. Schermer. 1,824,932; Sept. 29.
Steel pipe, Electrically welded jarred. A. G. Egler. 1,829,638; Oct. 27.
Steel, Purifying. H. A. Bost and E. C. Hummel. 1,814,584; July 14.
Steel rails, Fissure detector for. E. A. Sperry. 1,804,380; May 5.
Steel retainer. C. C. Hansen. 1,806,799; May 26.
Steel retainer. F. M. Slater. 1,807,799; June 2.
Steel retainer for percussive drills. D. J. Hafford. 1,834,945; Dec. 8.
Steel-retaining device, Drill-. C. A. Hultquist. 1,793,619; Feb. 24.
Steel, Rolling alloy. H. M. Givens. 1,821,382; Sept. 1.
Steel scrap in open-hearth furnaces, Treating. G. E. Hilliard. 1,793,441; Feb. 17.
Steel scrap, Reclaiming stainless. L. B. Lindemuth. 1,825,463; Sept. 29.
Steel sheet and making the same, Edge-reenforced articles of stainless-. C. B. D. Wood. 1,799,205; Apr. 7.
Steel sheets, Apparatus for normalizing. F. W. Pitts. 1,827,038; Oct. 13.
Steel sheets from carrier sheets, Unloading. R. S. Cochran and A. L. Larsen. 1,838,529; Dec. 29.
Steel, Stable-surface alloy. R. P. De Vries. 1,788,281; Jan. 6.
Steel, Stable surface alloy. R. P. De Vries. 1,839,089; Dec. 29.
Steel strip, Tempering. A. M. Remington. 1,796,304; Mar. 17.
Steel, Structural. A. Klinkenberg. 1,812,155; June 30.
Steel strut wheel. W. T. Brennen. 1,819,863; Aug. 18.
Steel, Surface hardening. H. W. McQuaid. 1,804,176; May 5.
Steel tape reel. E. G. Lange. 1,811,945; June 30.
Steel wool pad. W. H. Robbins. 1,807,136; May 26.
Steel wool pad and holder. H. E. Watkins. 1,832,068; Nov. 17.
Steels, Making polished annealed stainless. F. Locke. phosphorus and steam, Production of. W. Wild and 1,824,608; Sept. 22.
Steels, Process of and compound for hardening the surface of mild. H. J. Lorang. 1,826,008; Oct. 6.
Steer and drive unit, Front-wheel. C. M. Marsh. 1,789,242; Jan. 13.
Steering and braking device. J. W. Tatter. 1,814,576; July 14.
Steering and braking device. J. W. Tatter. 1,822,714; Sept. 8.
Steering and lighting mechanism for vehicles, Combined. H. A. Douglas. 1,815,871; July 21.
Steering and propelling device for helicopters. E. Oehmichen. 1,797,669; Mar. 24.
Steering and stabilizing apparatus, Automatic. J. M. Boykow. 1,801,948; Apr. 21.
Steering and torquing arrangement. A. I. Marcum. 1,818,902; Aug. 11.
Steering apparatus for motor vehicles. C. Y. Knight. 1,821,063; Sept. 1.
Steering attachment for tractors. F. L. Willrodt. Re18,212; Sept. 29.
Steering column and ignition lock, Automobile. H. B. Palmer. 1,819,259; Aug. 18.
Steering column, Automobile. L. S. Sheldrick. 1,788,692; Jan. 13.
Steering column construction. H. Marles. 1,806,172; May 19.
Steering column switch. R. K. Winning. 1,810,994; June 23.
Steering control. W. S. Stockton. 1,804,713; May 12.
Steering control for aeroplanes. A. G. Petersen. 1,811,149; June 23.
Steering control for creeper type tractors. J. W. Tatter. 1,801,988; Apr. 21.
Steering control for motor vehicles. H. E. Derr, sr. 1,802,004; Apr. 21.
Steering control mechanism, Tractor. G. C. Jett. 1,822,991; Sept. 15.
Steering device. B. S. Aikman. 1,817,903; Aug. 11.
Steering device. A. Weiss. 1,806,136; May 19.
Steering device, Automatic. E. A. Sperry. 1,838,965; Dec. 29.
Steering device for aeroplanes. H. G. Davis. 1,822,082; Sept. 8.
Steering device for automobiles. R. A. Frone. 1,827,428; Oct. 13.
Steering device for outboard motor boats. L. P. Miller. 1,825,240; Sept. 29.
Steering device for swivelling bogies of road vehicles. H. W. Jonkhoff. 1,838,837; Dec. 29.
Steering device of track-chain vehicles. A. Lange. 1,835,501; Dec. 8.
Steering for tractors. A. B. Booth. 1,834,675; Dec. 1.
Steering gear. P. L. Tenney. 1,797,737; Mar. 24.
Steering gear. N. Trbojevich. 1,790,607; Jan. 27.
Steering gear, more especially to steering gear for motor road vehicles. F. H. Hague. 1,791,025; Feb. 3.
Steering knuckle. E. R. Gurney. 1,795,428; Mar. 10.
Steering means and axle assembly for vehicles. R. J. Winsor. 1,826,113; Oct. 6.
Steering means for motor vehicles. S. G. Baits. 1,837,516; Dec. 22.
Steering mechanism. W. T. James. 1,823,325; Sept. 15.
Steering mechanism. W. A. Kull, and H. M. Denyes. 1,791,819; Feb. 10.
Steering mechanism. R. H. White. 1,805,536; May 19.
Steering mechanism. K. M. Wise. 1,787,711; Jan. 6.
Steering mechanism. J. A. Wright. 1,821,458; Sept. 1.
Steering mechanism for aircraft. G. Wünsch. 1,795,694; Mar. 10.
Steering mechanism for delivery vehicles. E. R. Maurer and D. M. Ferguson. 1,812,887; July 7.
Steering mechanism for motor vehicles. G. M. Bacon. Re17,938; Jan. 27.
Steering mechanism for power propelled vehicles, Hydraulic. E. G. Staude. 1,827,117; Oct. 13.
Steering mechanism for twin engine tractors. O. A. Harkness. 1,805,141; May 12.
Steering mechanism, Gyroscopic. W. Dieter. 1,791,755; Feb. 10.
Steering mechanism, Gyroscopic. W. Dieter. 1,810,646; June 16.
Steering mechanism, Hydraulic. F. W. Davis. 1,796,620; Jan. 27.
Steering-post lock. F. J. Hull. 1,796,930; Mar. 17.
Steering-post lock, Adjustable. C. N. Fairchild. 1,795,547; Mar. 10.
Steering-post lock, Servicing. C. N. Fairchild. 1,796,865; Mar. 17.
Steering-post stabilizer for motor cycles. H. Thomsen and C. and W. Blank. 1,799,806; Apr. 7.
Steering stabilizer. C. E. Reeves. 1,827,487; Oct. 13.
Steering wheel. C. R. Flanigan. 1,826,278; Oct. 6.
Steering wheel. H. D. Geyer. 1,825,391; Sept. 29.
Steering wheel. H. D. Geyer. 1,825,393; Sept. 29.
Steering wheel. H. D. Geyer. 1,839,025; Dec. 29.
Steering wheel. W. I. Hanson and O. R. Stelzer. 1,811,269; June 23.
Steering wheel. H. A. Husted. 1,789,817; Jan. 20.
Steering wheel. H. A. Husted. 1,823,563; Sept. 15.
Steering wheel. H. A. Husted. 1,828,047; Oct. 20.
Steering wheel. E. Karrer. 1,823,908; Sept. 22.
Steering wheel. H. T. Kraft. 1,804,993; May 12.
Steering wheel. C. H. H. Rodanet. 1,807,553; May 26.
Steering wheel. D. W. Thomas. 1,808,440; June 2.
Steering wheel and horn button mounted therein. H. D. Geyer. 1,828,403; Oct. 20.
Steering wheel and making the same. G. E. Smith. 1,808,324; June 2.
Steering wheel, Molded. H. D. Geyer. 1,807,657; June 2.
Steering-wheel post. A. Rasmussen. 1,791,001; Feb. 3.
Steering-wheel post, Adjustable. G. P. Maurice. 1,795,567; Mar. 10.

Steering wheel, Theft proof. R. R. Van Horn. 1,809,765; June 9.
Stemming machine. J. F. Dirzuweit. 1,798,404; Mar. 31.
Stems, Applying heads to. M. J. Boyle. 1,794,942; Mar. 3.
Stencil. R. D. Gould. 1,809,199; June 9.
Stencil. R. W. Hunter. 1,808,986; June 9.
Stencil blank. D. A. Williams. 1,795,461; Mar. 10.
Stencil designs, Process of and apparatus for applying. H. L. Radway. 1,799,531; Apr. 7.
Stencil-duplicating machine. E. J. Brasseur. 1,791,157; Feb. 3.
Stencil-duplicating machine. G. E. Creed. 1,790,407; Jan. 27.
Stencil-duplicating machine. G. E. Creed. 1,798,371; Mar. 31.
Stencil, Eyebrow. G. Wosse. 1,812,425; June 30.
Stencil for copying purposes. M. Deseniss. 1,823,260; Sept. 15.
Stencil for decorating china ware and pottery. G. A. Bauer. 1,822,986; Sept. 15.
Stencil for the production of composite ornamentations on embroidery machines. G. Zellweger. 1,800,923; Apr. 14.
Stencil hand stamp. W. O. Gorr. 1,789,433; Jan. 20.
Stencil hand stamp. W. O. Gorr. 1,789,463; Jan. 20.
Stencil hand stamp. C. B. Harts. 1,789,464; Jan. 20.
Stencil machine and stencil therefor. H. P. Elliott. Re18,151; Aug. 18.
Stencil, Metal. G. F. Taylor. 1,819,927; Aug. 18.
Stencil printing machine. H P. Elliott. 1,833,936–7; Dec. 1.
Stencil printing machine. C. L. Johnson and E. A. Owens. 1,832,216; Nov. 17.
Stencil printing machine and sheet feeding device therefor. H. P. Elliott. 1,833,938; Dec. 1.
Stencil roller. A. Geiger. 1,817,683; Aug. 4.
Stencil sheet. K. W. Carr. 1,830,980; Nov. 10.
Stencil sheet. S. Horii. 1,790,987; Feb. 3.
Stencil sheet. S. Horii. 1,792,095; Feb. 10.
Stencil sheet. S. Horii. 1,799,793; Apr. 7.
Stencil sheet. S. Horii. 1,825,798; Oct. 6.
Stencil sheet. S. Horii. 1,829,750; Nov. 3.
Stencil sheet. C. F. Kumli. 1,810,483–4; June 16.
Stencil, sheet. H. L. Shallcross. Des. 18,205; Sept. 22.
Stencil sheet for use in duplicating typewritten or manuscript documents, drawings and the like. A. De Waele. 1,819,078; Aug. 18.
Stencil sheets for use in duplicating, Production of. A. de Waele. 1,828,766; Oct. 27.
Stencil, Spray. R. Z. Hopkins and E. F. Seger. 1,817,147; Aug. 4.
Stenciling device. H. Anderson and R. J. Gannon. 1,811,167; June 23.
Stenciling device. A. F. J. Pokorny. 1,813,711; July 7.
Stenciling machine. J. A. Mueller. 1,826,149; Oct. 6.
Stenciling machine. J. E. Shaver, jr. 1,828,298; Oct. 20.
Stenciling machine. L. A. Thatcher. 1,788,782; Jan. 13.
Stenciling machine. L. A. Thatcher. 1,798,179; Mar. 31.
Stenciling or imparting machine. J. C. Zubi. 1,796,498; Mar. 17.
Stencils, Duplicating with the aid of. G. E. Creed. 1,788,662; Jan. 13.
Stenographer's appliance. B. Hasbrouck. 1,824,718; Sept. 22.
Stenter clip. J. J. Lyth. 1,830,066; Nov. 3.
Step and strap construction for passenger cars. A. F. Paul. 1,801,973; Apr. 21.
Step-by-step device. E. C. Le François. 1,794,234; Feb. 24.
Step-can. M. Kamenstein. 1,837,221; Dec. 22.
Step form. G. H. Miller. 1,803,719; May 5.
Step form, Concrete-. J. Soule, R. Jiefa, and E. Walsh. 1,787,799; Jan. 6.
Stepladder. J. G. Frommeyer. 1,829,346; Oct. 27.
Stepladder. G. W. Goode. 1,836,163; Dec. 15.
Stepladder. R. F. Schulzke. 1,801,211; Apr. 14.
Stepladder joint and self-support. S. M. Peters and A. B. Rochester. 1,821,075; Sept. 1.
Stepladders, Adjustable automatic folding platform for. S. M. Peters and A. B. Rochester. 1,817,760; Aug. 4.
Step, Sectional lawn. C. A. Johnson. Des. 84,289; June 2.
Stepping box, Collapsible. F. W. Longley. 1,811,674; June 23.
Stereoisohypsograph. K. Wulkow. 1,827,551; Oct. 13.
Stereoprinting block. J. Fricke. 1,822,574; Sept. 8.
Stereopticon. J. F. Stubner. 1,807,327; May 26.
Stereoscopic impressions of moving picture images, Obtaining. N. Arfsten. 1,806,190; May 19.
Stereoscopic view box. A. F. Pieper and G. I. Kester. 1,808,176; June 2.
Stereotype plate casting and finishing machine. H. A. W. Wood. 1,803,374; May 5.
Stereotype plate casting and finishing machine, Multiple. H. A. W. Wood. 1,816,944; Aug. 4.
Stereotype plate casting machines, Traversing mechanism for twin. H. A. W. Wood. 1,838,602; Dec. 29.
Sterilizer. J. L. Archer. 1,818,445; Aug. 11.
Sterilizer. R. L. Jewell. 1,837,715; Dec. 22.
Sterilizer. G. Trupiano. 1,810,545; June 16.
Sterilizer and panel, Recessed. E. O. Lindberg. 1,795,784; Mar. 10.
Sterilizer, Comb. C. E. Wells. 1,820,517; Aug. 25.
Sterilizer, Dry heat. G. J. Meyer. 1,835,799; Dec. 8.
Sterilizer for barbers' tools. O. J. Lierman. 1,827,479; Oct. 13.
Sterilizer for hair clippers and the like. W. A. Shier. 1,793,518; Feb. 24.
Sterilizer for milk cans. O. Larsen. 1,809,048; June 9.
Sterilizer, Milk bottle. J. B. Baker. 1,813,602; July 7.
Sterilizer, Razor strop. J. Savoy. 1,816,127; July 28.
Sterilizing case. A. A. Goldstein. 1,838,825; Dec. 29.
Sterilizing case. S. Salerno. 1,803,210; Apr. 28.
Sterilizing solution. A. H. Johnson. 1,834,783; Dec. 1.
Sterilizing system. T. H. Brown. 1,788,906; Jan. 13.
Sterilizing system. T. H. Brown. 1,813,021; July 7.
Stethoscope. T. J. Case. 1,793,057; Feb. 17.
Stethoscope. D. E. Mackey. 1,789,762; Jan. 20.
Stethoscope. C. J. Pilling. 1,832,422; Nov. 17.
Stethoscope, Electrical. F. E. Miller. 1,791,932; Feb. 10.
Stick, Clothes. P. H. Lacey. 1,831,743; Nov. 10.
Stick, Clothes. A. Yurkovitch. 1,826,337; Oct. 6.
Stick end, Curtain-. A. W. Kimbell. 1,787,482; Jan. 6.
Stick, Hockey. F. Glahe. 1,821,889; Sept. 1.
Stick, Police. D. L. Potter. 1,823,407; Sept. 15.
Stick, Safety packing. A. Wendt. 1,824,314; Sept. 22.
Sticker-discharge mechanism. H. E. Morgan. 1,796,575; Mar. 17.
Sticker for filing prints in binders. H. G. Buchan. 1,816,175; July 28.
Stiffening, Art of. W. A. Boughton. 1,799,949; Apr. 7.
Stiffening member for boots and shoes. W. C. Bennett. 1,825,625; Sept. 29.
Still, Cracking. W. T. Hancock. 1,814,249; July 14.
Still, Pipe. G. W. Watts. 1,789,267; Jan. 13.
Stills, Cleaning. L. C. Huff. 1,827,085; Oct. 13.
Stills, Drop forged return bend for oil. F. E. Key. 1,836,257; Dec. 15.
Stills, Operating oil. B. Broido. 1,794,439; Mar. 3.
Stills, Operation of pressure. E. C. Herthel. 1,809,273; June 9.
Stills, Operation of pressure. E. C. Herthel. 1,829,220; Oct. 27.
Stilt. M. W. Brewbaker. 1,815,544; July 21.
Stilts. C. Petersen. 1,791,324; Feb. 3.
Stirrer, Conical. K. E. Peiler. 1,828,718–19; Oct. 20.
Stirrup and socket structure for trestles. G. A. Bryan. 1,797,543; Mar. 24.
Stitch picking device. L. Citrano. 1,828,764; Oct. 27.
Stitch removing machine. L. W. Rollins. 1,807,603; June 2.
Stitchdown lasting machine. R. E. Duplessis and A. A. Macleod. 1,836,229; Dec. 15.
Stitcher disc. R. E. Jenkinson. 1,838,057; Dec. 22.
Stitching, Elastic. W. C. Kemp. 1,789,180; Jan. 13.
Stitching machine. B. J. Davidson. 1,796,143; Mar. 10.
Stitching machine for sets of sheets. R. Draeger. 1,813,035; July 7.
Stock and die. L. W. Jones. 1,809,516; June 9.
Stock and poultry hook. T. C. Orr. 1,811,437; June 23.
Stockcock. R. A. Lincoln. 1,790,384; Jan. 27.
Stock cutting machine, Plastic. W. D. Everett and A. Williams, jr. 1,802,968; Apr. 28.
Stock feeds, Preparation of live. C. R. Mabee. 1,807,043; May 26.
Stock fountain. J. T. Stangl. 1,835,352; Dec. 8.
Stock pick-up and handling mechanism. H. A. Denmire. 1,793,843; Feb. 24.
Stock quotation indicator. H. S. Martin. 1,812,600; June 30.
Stock separator. J. E. Larson. 1,788,244; Jan. 6.
Stock, Whip. C. H. Lane and C. H. Reynolds. 1,835,227; Dec. 8.
Stocking. G. F. Aberle. Des. 84,801; Aug. 11.
Stocking. R. Anke. Des. 83,142; Jan. 27.
Stocking. R. N. Apprich. Des. 84,390; June 16.
Stocking. R. N. Apprich. Des. 84,392; June 16.
Stocking. T. H. Brown. 1,789,695; Jan. 20.
Stocking. R. Browne. Des. 85,684–5; Dec. 8.
Stocking. J. C. Daley. Des. 85,732; Dec. 15.
Stocking. F. Emery. 1,816,475; July 28.
Stocking. G. E. Fichtner. Des. 85,518; Nov. 10.
Stocking. C. H. Forbes. Des. 85,519; Nov. 10.
Stocking. P. L. Fox. Des. 85,092; Sept. 15.
Stocking. H. Hemmerich. Des. 84,698; July 21.
Stocking. A. E. Ischinger. Des. 83,539; Mar. 3.
Stocking. A. E. Ischinger. Des. 83,614–19; Mar. 10.
Stocking. A. E. Ischinger. Des. 84,893–4; Aug. 18.
Stocking. A. E. Ischinger. Des. 84,935–8; Aug. 25.
Stocking. A. E. Ischinger. 1,833,163; Nov. 24.
Stocking. J. Kugelman. 1,830,551; Nov. 3.
Stocking. E. C. Lochhead. 1,819,958; Aug. 18.
Stocking. H. Peters. Des. 83,210; Feb. 3.
Stocking. H. Peters. Des. 84,364–8; June 9.
Stocking. H. Peters. Des. 84,435–6; June 16.
Stocking. H. Peters. Des. 84,951–2; Aug. 25.
Stocking. H. Peters. Des. 85,542–4; Nov. 10.
Stocking. P. Schmidt. Des. 85,888; Dec. 29.
stocking. A. G. Stephens. Des. 85,125; Sept. 15.
Stocking. J. A. Struthers. Des. 83,362–4; Feb. 17.
Stocking. J. A. Struthers. Des. 85,133; Sept. 15.
Stocking. J. A. Struthers. Des. 85,671–2; Dec. 1.
Stocking. A. H. Wittenberg. 1,810,197; June 16.
Stocking and label, Combination. G. M. Porges. 1,798,493; Mar. 31.
Stocking and making. J. H. Vogt and H. McAdams. 1,829,816; Nov. 3.

Stocking and making same, Seamless. C. H. Taubel. 1,820,637; Aug. 25.
Stocking and making the same. J. E. Quinn. 1,789,450; Jan. 20.
Stocking and manufacturing the same. M. G. Van Arsdale and J. E. Dakin. 1,837,737; Dec. 22.
Stocking and producing same, Full fashioned. H. W. Hoffman. 1,828,533; Oct. 20.
Stocking and producing the same, Knitted. R. W. Scott. 1,799,070; Mar. 31.
Stocking for varicose veins. E. Frei. 1,811,786; June 23.
Stocking, Ornamental flat-knitted. H. P. Luhn. 1,789,555; Jan. 20.
Stocking protector and overshoe, Combined. W. D. Walker. 1,823,518; Sept. 15.
Stocking, Surgical. O. H. Walton. 1,823,178; Sept. 15.
Stocking, Varicose. F. Damon. 1,815,667; July 21.
Stocking, Varicose. A. Mouthe. 1,836,679; Dec. 15.
Stockings, Anti-ravel welt junctures for. G. W. Goetsch. 1,819,997; Aug. 18.
Stockings, Knitting elastic-topped. H. Michelson. 1,794,312; Feb. 24.
Stockings, Manufacture of. L. H. Greenwald. 1,837,616; Dec. 22.
Stockings, Runner stop for. J. J. Carfrey. 1,807,508; May 26.
Stoker. E. J. Clerget. 1,811,746; June 23.
Stoker. J. B. Ehrlich. 1,797,721; Mar. 24.
Stoker. R. A. Foresman. 1,805,618; May 19.
Stoker. R. A. Foresman. 1,806,554; May 19.
Stoker. C. F. Miller. 1,809,995; June 9.
Stoker. D. J. Mosshart. 1,830,850; Nov. 10.
Stoker. E. W. Ritter. 1,808,479; June 2.
Stoker. F. P. Roesch. 1,800,407; Apr. 14.
Stoker. F. P. Roesch and A. M. Hunt. 1,828,818; Oct. 27.
Stoker, Automatic. A. I. Snow. 1,805,641; May 19.
Stoker, Automatic. W. E. Turner. 1,790,885; Feb. 3.
Stoker, Automatic. F. W. Vodoz. 1,826,106; Oct. 6.
Stoker, Chain grate. C. J. Haniman. 1,832,459; Nov. 17.
Stoker. Chain grate. C. R. Sadler and H. J. Kerr. 1,830,338; Nov. 3.
Stoker, Coal burning. R. E. Drawz. 1,833,831; Nov. 24.
Stoker construction, Underfeed. C. F. Miller. 1,809,906; June 16.
Stoker feeding mechanism. L. L. Hinsch. 1,833,647; Nov. 24.
Stoker for boiler fire boxes. J. Young. 1,799,206; Apr. 7.
Stoker for circular grates, Automatic. H. Gleichmann and W. Gumz. 1,829,275; Oct. 27.
Stoker for kilns, Automatic. R. K. Goodwin. 1,797,608; Mar. 24.
Stoker furnace. W. C. Drake and E. B. Priebe. 1,789,223; Jan. 13.
Stoker, Locomotive. A. B. Fahnestock. 1,792,216; Feb. 10.
Stoker, Locomotive. H. E. Lippert. 1,797,871; Mar. 24.
Stoker, Locomotive. N. M. Lower. 1,796,798; Mar. 17.
Stoker, Locomotive. N. M. Lower. 1,796,849–50; Mar. 17.
Stoker, Locomotive. N. M. Lower. 1,809,903; June 16.
Stoker, Locomotive. N. M. Lower. 1,825,152; Sept. 29.
Stoker, Locomotive. N. M. Lower. 1,828,116; Oct. 20.
Stoker, Locomotive. N. M. Lower, A. R. Chalker, and P. A. Ketchpel. 1,801,561; Apr. 21.
Stoker, Locomotive. N. M. Lower, A. K. Kusebauch, and A. R. Chalker. 1,801,777; Apr. 21.
Stoker, Locomotive. E. A. Turner. 1,825,106; Sept. 29.
Stoker, Locomotive. E. A. Turner and C. J. Surdykowski. 1,825,137; Sept. 29.
Stoker, Mechanical. G. W. Ruggles. 1,809,315; June 9.
Stoker, Mechanical. T. R. Snyder. 1,813,262; July 7.
Stoker, Mechanical. M. J. Wightman. Re17,925; Jan. 13.
Stoker mechanism. A. B. Fahnestock. 1,808,300; June 2.
Stoker mechanism. N. M. Lower. 1,801,776; Apr. 21.
Stoker mechanism. N. M. Lower. 1,809,904; June 16.
Stoker mechanism. N. M. Lower. 1,833,327; Nov. 24.
Stoker, Traveling grate. R. Zinkernagel. 1,832,888; Nov. 24.
Stoker, tuyère construction. C. H. Rich. 1,836,395; Dec. 15.
Stoker, Underfeed. R. S. Riley. 1,837,729; Dec. 22.
Stoker, Underfeed mechanical. V. G. Leach. 1,825,273; Sept. 29.
Stokers, Fuel distributing system for. G. M. Myers. 1,821,068; Sept. 1.
Stokers, Fuel feeding mechanism for mechanical. M. Alpern. 1,832,682; Nov. 17.
Stone and producing the same, Artificial. J. B. Bossi and P. A. Mazzuchelli. 1,809,329; June 9.
Stone, Apparatus for use in setting building. F. A. Davidson. 1,829,739; Nov. 3.
Stone, Artificial. J. Haggard. 1,793,172; Feb. 17.
Stone, Coating damp or wet. S. S. Sadtler. 1,824,931; Sept. 29.
Stone dressing machine. W. H. Van Sickel. 1,805,269; May 12.
Stone for gardens or lawns, Dividing. G. P. Kannen. 1,813,055; July 7.
Stone for graves, Memorial. C. I. Enochs. Des. 84,927–8; Aug. 25.
Stone products, Making artificial. J. Haggard. 1,831,858; Nov. 17.
Stone, Splitting. J. C. Alexander. 1,797,748; Mar. 24.
Stone spreader. F. B. Hurt. 1,809,704; June 9.
Stone spreader. A. E. Lockhard. 1,811,324; June 23.
Stone, Surfacing. H. H. Althoff. 1,799,034; Mar. 31.
Stone-surfacing machine. L. F. Drake. 1,793,469; Feb. 24.
Stones and the like, Mounting. S. A. Hamin. 1,818,324; Aug. 11.
Stones, Apparatus for grinding and polishing precious. E. and E. W. Loesser. 1,838,423; Dec. 29.
Stones, Improving certain physical properties of synthetic precious. M. Jaeger and H. Espig. 1,814,219; July 14.
Stones, Surface treatment of synthetic precious. H. Espig and W. Teubner. 1,806,588; May 26.
Stooking machine. J. Driedger. 1,815,053; July 21.
Stool. S. A. Sommers. 1,793,521; Feb. 24.
Stool and stepladder, Combination. C. T. Hyatt. 1,821,517; Sept. 1.
Stool, Automatic folding step. R. C. Haynes. 1,822,399; Sept. 8.
Stool, chair, and table construction. O. A. Lawrence. 1,800,456; Apr. 14.
Stool, Folding leg. C. H. Johnson. 1,832,486; Nov. 17.
Stool, Lunch room. S. F. Lederer. 1,829,564; Oct. 27.
Stool, Triple-step. J. A. Hall. 1,797,656; Mar. 24.
Stool, Vibrating. Darwin E. Stevens and C. E. Brown. Des. 84,859; Aug. 11.
Stop and leveler, Hydraulic cane feed. H. J. B. Scharnberg. 1,826,827; Oct. 13.
Stop and turning signal, Automobile. P. P. Gutierrez. 1,794,014; Feb. 24.
Stop, Automatic. E. J. Grant. 1,800,382; Apr. 14.
Stop, Automatic phonograph. E. Traub. 1,824,847; Sept. 29.
Stop, Automatic safety. H. Segal. 1,804,184; May 5.
Stop, Automatic train. H. W. Howe. 1,824,143; Sept. 22.
Stop, Car. A. R. Long. 1,831,676; Nov. 10.
Stop-cock. K. Klinger. 1,817,258; Aug. 4.
Stop device, Automatic. F. Oberst. 1,829,053; Oct. 27.
Stop device for automobile lifts, Wheel. C. J. Bristol. 1,796,557; Mar. 17.
Stop, Door. U. L. Larson. 1,800,086; Apr. 7.
Stop, Door. J. H. and L. H. Patrick. 1,820,486; Aug. 25.
Stop, Door. H. M. Whitcomb. 1,827,055; Oct. 13.
Stop, Electric phonograph. D. H. Chason. 1,823,530; Sept. 15.
Stop, Extension. J. B. Stroud. 1,800,162; Apr. 7.
Stop, Film flame. L. D. Kohlmeyer. 1,827,010; Oct. 13.
Stop for brake shoes, Adjustable. M. Loughead. 1,792,749; Feb. 17.
Stop for cigarette machines, Safety. W. E. Molins. 1,813,811; July 7.
Stop for electrically-driven machines, Automatic. V. B. Lowder. 1,794,082; Feb. 24.
Stop for friction screw presses, Emergency. E. W. Zeh. 1,828,828; Oct. 27.
Stop for gramophones, Automatic. R. Winkelmann. 1,815,536; July 21.
Stop for knitting machines, Automatic. F. W. Beardsley. 1,801,841; Apr. 21.
Stop for railroad car windows, Quick release. R. F. Golden. 1,809,117; June 9.
Stop for rotating parts. E. M. Shinkle. 1,830,135; Nov. 3.
Stop for steam turbines and the like, Automatic. C. W. Dake. 1,796,508; Mar. 17.
Stop for stop and start motors, Automatic. C. H. Bissell. 1,817,172; Aug. 4.
Stop, Furniture. S. Punt. 1,798,901; Mar. 31.
Stop gauge. J. Gordon. 1,823,268; Sept. 15.
Stop, Leak. F. D. Hildreth. 1,819,169; Aug. 18.
Stop mechanism. W. A. Dusenbury. 1,814,081; July 14.
Stop mechanism, Automatic. W. Cameron. 1,806,890; May 26.
Stop mechanism, Automatic. E. Laxo. 1,799,106; Mar. 31.
Stop mechanism, Automatic. V. B. Lowder. 1,794,081; Feb. 24.
Stop mechanism, Automatic safety. W. J. Anthony. 1,829,626; Oct. 27.
Stop mechanism for box nailing machines. G. D. Parker. 1,818,646; Aug. 11.
Stop mechanism for braiding machines. H. G. Robinson. 1,827,715; Oct. 13.
Stop mechanism for cloth drying machines. C. E. Bean. 1,809,398; June 9.
Stop mechanism for knitting machines. J. Wachsman. 1,835,732; Dec. 8.
Stop mechanism for knitting machines, Automatic. P. C. Klingler. 1,822,931; Sept. 15.
Stop mechanism for presses. W. Cameron. 1,819,673; Aug. 18.
Stop mechanism for sorters. J. M. Cunningham. 1,835,382; Dec. 8.
Stop mechanism for winding machines, Automatic. W. J. O'Connor. 1,801,019; Apr. 14.
Stop mechanism, Power. P. C. Rummel, jr. 1,826,482; Oct. 6.
Stop motion. W. J. Scott. 1,791,289–90; Feb. 3.
Stop motion, Doll-roll twister. E. Hartley. 1,790,814; Feb. 3.
Stop motion, Electrical warp. C. E. Buote. 1,835,270; Dec. 8.
Stop motion for drawing frames. W. J. Scott. 1,795,799; Mar. 10.
Stop motion for dressing machines. J. P. King. 1,793,427; Feb. 17.
Stop motion mechanism. H. McAdams. 1,805,340; May 12.

Stop motion mechanism. E. W. Netherland and J. R. Walker. 1,816,738; July 28.
Stop motion mechanism, Weft. W. Crutchlow. 1,819,320; Aug. 18.
Stop motion, Twister. R. Hargreaves. 1,830,540; Nov. 3.
Stop motion, Warp. H. E. Khoury and J. G. Menzer. 1,832,222; Nov. 17.
Stop or abutment, Automatically adjustable mechanical. W. Seddon and R. F. Cordey. 1,808,079; June 2.
Stop plate, Butcher's block. E. Green. 1,832,702; Nov. 17.
Stop, Oven door. H. C. Maul. 1,833,171; Nov. 24.
Stop, Safety automatic. J. O. Sarheim and O. A. Olsen. 1,797,025; Mar. 17.
Stop, Shiftable buffer. H. Posentrup. 1,817,938; Aug. 11.
Stop signal. T. L. Dawkins. 1,796,005; Mar. 10.
Stop signal, Automatic quick. P. W. Toye. 1,827,445; Oct. 13
Stop, Stacker. L. R. Tufts. 1,831,271; Nov. 10.
Stop, Train. M. Maile. 1,819,374; Aug. 18.
Stop, Train. M. Maile. 1,825,408; Sept. 29.
Stop, Wheel. E. A. Leary. 1,814,253; July 14.
Stop, Window shade. J. C. Stich. 1,806,373; May 19.
Stop with offset connection, Corporation. J. W. Simpson and F. H. Mueller. 1,789,079; Jan. 13.
Stop with spring tension, Ground-key. F. H. Mueller. 1,794,636; Mar. 3.
Stop, Work. A. M. Maszczyk. 1,810,430; June 16.
Stopper: *See*—
Bottle stopper. Drip stopper.
Conduit stopper. Tank float stopper.
Container stopper.
Stopper. G. A. Brosius and A. A. Broge. 1,825,177; Sept. 29.
Stopper. J. H. Fedeler. 1,789,959; Jan. 27.
Stopper and applicator, Combined. J. E. Keilly. 1,822,296; Sept. 8.
Stopper for pipe lines. A. Fennema. 1,814,677; July 14.
Stopper for sinks and the like, Nonslipping. F. Zorn. 1,825,499; Sept. 29.
Stopper or closure. T. A. Stevens. 1,832,591; Nov. 17.
Stopper or closure for receptacles. E. S. Johnson. 1,787,685; Jan. 6.
Stopping device, Vehicle. F. W. Stohr. 1,823,297; Sept. 15.
Stopping device for spinning and doubling machines. E. Stutz-Benz. 1,815,743; July 21.
Stopping mechanism for spoolers and the like. J. H. Cox. 1,806,612; May 26.
Stopple. G. E. Erickson. 1,808,644; June 2.
Storage and discharge apparatus, Ice. A. B. Walters. 1,823,220; Sept. 15.
Storage and mixing bin, Floating. A. Allen. 1,820,521; Aug. 25.
Storage apparatus. C. Muzyn. 1,799,923–4; Apr. 7.
Storage battery. R. H. Chilton. 1,828,393; Oct. 20.
Storage battery. C. H. Everett. 1,836,157; Dec. 15.
Storage battery. G. W. Hebbeler. 1,823,448; Sept. 15.
Storage battery. W. L. Reinhardt. 1,817,846; Aug. 4.
Storage battery. E. W. Smith. 1,800,364; Apr. 14.
Storage battery. S. L. Van Meter, jr. 1,791,152; Feb. 3.
Storage battery. T. A. Willard. 1,802,801; Apr. 28.
Storage battery. J. L. Woodbridge. 1,816,035; July 28.
Storage battery, Electric. W. E. Kershaw. 1,807,595; June 2.
Storage battery, Electric. J. L. Woodbridge. 1,796,818; Mar. 17.
Storage battery, Electrical. S. J. Williams. 1,800,422; Apr. 14.
Storage battery element and the production thereof. P. D. Payne and M. Iversen. 1,821,572; Sept. 1.
Storage battery terminal connector. D. C. Martin. 1,821,717; Sept. 1.
Storage box. C. H. Moores. 1,793,118; Feb. 17.
Storage case. K. R. Templeton. 1,809,994; June 16.
Storage for boiler-washing apparatus, Multiple-unit. S. B. Otis. 1,793,508; Feb. 24.
Storage means. L. J. Taylor. 1,828,208; Oct. 20.
Storage plant, Material-. D. E. White. 1,796,549. Mar. 17.
Storage rack. U. I. T. Blomberg. 1,810,941; June 23.
Storage rack. N. Warshaw. 1,791,336; Feb. 3.
Storage system. J. G. L. Skar and H. J. Syren. 1,807,075; May 26.
Storage tank. G. T. Horton. 1,819,418; Aug. 18.
Storage tank. E. E. Shanor. 1,835,815; Dec. 8.
Storage tank, Liquid. J. H. Wiggins. 1,801,580; Apr. 21.
Storage, transportation, and distribution of frozen carbon dioxide. J. W. Martin, jr. 1,825,647; Sept. 29.
Store. J. F. Brown. 1,821,541; Sept. 1.
Store. G. P. Marshall. Des. 83,461; Feb. 24.
Store. G. P. Marshall. Des. 83,823; Mar. 31.
Store. J. R. Wolf. Des. 85,723; Dec. 8.
Store front. V. Barnard. Des. 83,946; Apr. 21.
Store front. J. F. Coman. Des. 85,687; Dec. 8.
Store front. J. J. Daly. Des. 85,611; Nov. 24.
Store front. A. L. Elias. Des. 83,096–7; Jan. 20.
Store front. D. Friedman. Des. 83,040; Jan. 13.
Store front. J. B. Stewart. Des. 83,477; Feb. 24.
Store front. O. J. Wooden. Des. 83,936; Apr. 14.
Store-front construction. F. and I. Himmel. 1,795,429; Mar. 10.
Store-front construction. S. Naisuler and J. Hecht. 1,799,115; Mar. 31.
Store-front construction. F. J. Plym. 1,797,924–5; Mar. 24.
Store front construction. F. J. Plym. 1,828,509; Oct. 20.
Store front, Inlaid. W. J. Oakley. 1,836,724; Dec. 15.
Store front or the like. T. B. Buchanan. Des. 84,129; May 12.
Storeroom for vehicles. J. D. Bell. 1,800,495; Apr. 14.
Store service apparatus. A. Hitchman. 1,829,140; Oct. 27.
Store system actuated by a coin machine. W. H. Russell, 1,831,578; Nov. 10.
Storing and delivering apparatus, Type. J. W. Gearhart. 1,821,631; Sept. 1.
Storing and dispensing apparatus. T. L. Valerius. 1,800,970; Apr. 14.
Storing and dispensing apparatus. T. L. Valerius. 1,817,656; Aug. 4.
Stores, Automatic self-servicing device for mercantile. J. T. Anderson. 1,788,759; Jan. 13.
Stove. L. S. Chadwick, M. Resek, and C. J. Kessler. Des. 83,092; Jan. 20.
Stove. F. W. Cuffe. Des. 85,088; Sept. 15.
Stove. R. Futral. 1,792,487; Feb. 17.
Stove. L. H. Geurink. 1,801,770; Apr. 21.
Stove. H. Herrenbruck. 1,837,218; Dec. 22.
Stove. G. Jones. 1,810,711; June 16.
Stove. E. F. Kennedy. Des. 85,383; Oct. 20.
Stove. J. H. Lieber. 1,830,843; Nov. 10.
Stove. C. W. Mummery. 1,827,951; Oct. 20.
Stove. H. M. Reeves. Des. 84,300; June 2.
Stove. W. F. Rogers. Des. 85,495; Nov. 3.
Stove. W. F. Rogers. 1,831,546; Nov. 10.
Stove. J. W. Speaker. Des. 85,496; Nov. 3.
Stove. S. A. Wilde. 1,835,195; Dec. 8.
Stove. L. Wygodsky. 1,836,889; Dec. 15.
Stove, Aeroplane and automobile. W. W. Wilson. 1,792,721; Feb. 17.
Stove and range, Cabinet gas. J. Teller. 1,817,856; Aug. 4.
Stove, Barbecue. S. B. Mayhew. 1,822,355; Sept. 8.
Stove, Brooder. J. T. Grotenhuis. 1,801,957; Apr. 21.
Stove burner. W. Noble. 1,837,829; Dec. 22.
Stove, Camp. H. S. Lee. 1,796,033; Mar. 10.
Stove, Camp. A. J. Yeager. 1,831,834; Nov. 17.
Stove, Camping. E. B. Bedigian. 1,836,894; Dec. 15.
Stove closure. J. M. Snyder. 1,827,036; Oct. 13.
Stove construction. L. Dana. 1,834,019; Dec. 1.
Stove construction. L. Dana. 1,836,578; Dec. 15.
Stove construction. C. M. Dibble. 1,789,430; Jan. 20.
Stove construction. C. M. Dibble. 1,799,960; Apr. 7.
Stove construction. C. M. Dibble. 1,822,274; Sept. 8.
Stove construction. E. F. Kennedy. 1,802,559; Apr. 28.
Stove, Cooking. H. K. Herndon. 1,787,903; Jan. 6.
Stove, Cooking. J. G. Scheer. 1,817,712; Aug. 4.
Stove, Electric. A. T. Smith. 1,798,763; Mar. 31.
Stove for syrup boiling. V. H. Minchevly. 1,795,789; Mar. 10.
Stove, Gas. E. S. Burch. Des. 85,810; Dec. 22.
Stove, Gas. F. A. Gercich. 1,806,055; May 19.
Stove, Gas. F. A. Gercich. 1,817,362; Aug. 4.
Stove, Gas. A. H. L. Klemme. 1,820,277; Aug. 25.
Stove, Gas. H. C. Maul. Des 85,110; Sept 15
Stove, Gas. H. C. Maul. 1,802,086; Apr. 21.
Stove, Gas. A. J. Reedy. Des. 84,205; May 19.
Stove, Gas. A. J. Reedy. Des. 85,344–5; Oct. 13.
Stove, Grill. H. M. Clark. 1,795,710; Mar. 10.
Stove, Heating. H. Junkers. 1,825,735; Oct. 6.
Stove, Heating. G. E. Pickup. Des. 83,484; Feb. 24.
Stove, Heating. W. Rempen. 1,795,968; Mar. 10.
Stove hood, Vacuum ventilating. C. B. Sharpe. 1,827,956; Oct. 20.
Stove, Liquid fuel. G. E. Pickup. 1,802,618; Apr. 28.
Stove, Liquid fuel. G. E. Pickup. 1,819,338; Aug. 18.
Stove or article of similar nature, Cooking. J. C. Clark. Des. 85,324; Oct. 13.
Stove or furnace, Heating. A. Ahlberg. 1,808,487; June 2.
Stove or range. J. Brown. Des. 85,322; Oct. 13.
Stove or range, Cooking. A. J. Reedy. 1,801,640–1; Apr. 21.
Stove structure. J. Teller. 1,836,781–2; Dec. 15.
Stove top. C. H. and R. F. Hoffstetter. Des. 85,696; Dec. 8.
Stove top, Cooking plate. F. V. Detwiler. 1,836,156; Dec. 15.
Stovepipe. H. Embree. 1,828,105; Oct. 20.
Stovepipe. E. J. Hayman. 1,827,722; Oct. 13.
Stovepipe, Air-circulating. R. Ellsdorf. 1,797,909; Mar. 24.
Stovepipe cleaner. J. C. Poss. 1,830,715; Nov. 3.
Stovepipe heater. O. Andrew. 1,821,920; Sept. 8.
Stovepipe, Ventilating. J. F. Jewart. 1,810,831; June 16.
Stove, Reversible. A. H. Tinnerman. 1,788,643; Jan. 13.
Stove, Solid fuel. G. E. Pickup. 1,802,955; Apr. 28.
Stove structure. W. Blaskewitz, C. B. Overly, C. F. Lambert, and J. Ironside. 1,819,669; Aug. 18.
Stove, Vapor. W. C. Lindemann. 1,818,723; Aug. 11.
Stove, Vapor. A. T. Schmidt. 1,796,767; Mar. 17.
Stoves, Air feed and vent device for closed top gas. G. Hammer, F. A. Gercinch, and W. S. Smith. 1,806,056; May 19.
Stoves, Closed top for gas. A. H. Tinnerman. 1,788,644; Jan. 13.
Stoves, Construction of hot blast. H. A. Brassert. 1,815,900; July 28.

Stoves, Gas burning attachment for. T. H. Farrington. 1,838,753; Dec. 29.
Stoves, Safety device for gas. A. A. Berg. 1,793,043; Feb. 17.
Stoves, Safety device for gas. B. Kauper. 1,798,539; Mar. 31.
Straightedge, Paper-hanger's. E. J. Woerner. 1,791,231; Feb. 3.
Straightening machine. P. B. Abramsen. 1,835,198; Dec. 8.
Straightening machine. E. T. Peterson. 1,807,324; May 26.
Straight-line mechanism. S. Dean. 1,793,781; Feb. 24.
Strain type disconnecting switch. C. G. Koppitz. 1,821,167; Sept. 1.
Strainer. L. Ambrosius. 1,793,578; Feb. 24.
Strainer. J. A. Bathen and W. F. Ingraham, jr. 1,813,136; July 7.
Strainer. A. W. Burks. 1,806,839; May 26.
Strainer. F. H. Hehemann. 1,804,162; May 5.
Strainer. J. S. Judell. 1,811,852; June 30.
Strainer, Air. C. C. Farmer. 1,797,409; Mar. 24.
Strainer and cooking pot, Protective. G. Trupiano. 1,810,543; June 16.
Strainer and sediment bowl for gasoline tanks. C. H. Feeger. 1,820,790; Aug. 25.
Strainer attachment, Well. A. E. Cunningham. 1,810,757; June 16.
Strainer baffle. S. Vorech. 1,828,952; Oct. 27.
Strainer, Demountable drain. M. Alland. 1,835,447; Dec. 8.
Strainer, Drain. A. Izquierdo. 1,817,376; Aug. 4.
Strainer, Flue air. G. E. Sanders. 1,813,584; July 7.
Strainer, Fluid. J. P. Duggan. 1,826,170; Oct. 6.
Strainer for milk, etc. M. J. Dowling. 1,794,596; Mar. 3.
Strainer, Milk. P. B. Eves. 1,820,610; Aug. 25.
Strainer or filter particularly for petrol filling nozzles. J. Zwicky. 1,799,998; Apr. 7.
Strainer, Rotary. D. R. McNeal. 1,826,361; Oct. 6.
Strainer, sifter, and mixer, Combined. G. N. Barrow. 1,830,525; Nov. 3.
Strainer, Sugar cane juice. J. B. Hudson. 1,835,944; Dec. 8.
Strainer, Well. J. M. Losack. 1,805,408; May 12.
Strainer, Well. J. H. McEvoy, jr. 1,821,659; Sept. 1.
Straining milk and a strainer for a separating machine. F. Henrard. 1,820,800; Aug. 25.
Strand-handling apparatus. E. W. Larsen. 1,793,104; Feb. 17.
Strand material, Apparatus for working covered. G. T. Johnson. 1,801,311; Apr. 21.
Strand material, Handling. L. F. Lamplough. 1,823,981; Sept. 22.
Strand material, Method of and apparatus for handling. E. M. Bidwell. 1,795,923; Mar. 10.
Strand material, Method of and apparatus for handling. G. L. Cherry. 1,823,885; Sept. 22.
Strand material, Method of and apparatus for handling. J. E. Lodge. 1,823,982; Sept. 22.
Strand reeling apparatus. D. C. Robson and J. N. Selvig. 1,815,728; July 21.
Strand-tensioning device. H. W. Jespersen. 1,793,092; Feb. 17.
Stranding machine head. G. C. Gregson. 1,809,032; June 9.
Strands, Apparatus for stripping covered. J. S. Stull. 1,800,914; Apr. 14.
Strands, Apparatus for stripping covered. P. B. Weiss. 1,800,917; Apr. 14.
Strands, Apparatus for supporting. E. P. Tournier. 1,818,591; Aug. 11.
Strap; *See*—

Ceiling supporting strap.	Leader strap.
Chain strap.	Lug strap.
Combination button and belt.	Metallic strap.
	Pipe strap.
Door stop strap.	Shoe strap.
Fence strap.	Shoulder strap.

Strap. J. L. Moran and A. J. Lee. 1,810,027; June 16.
Strap and manufacturing it, Leather wrist-watch. A. H. Sauer, jr. 1,799,868; Apr. 7.
Strap assembly, Check. A. P. Ball. 1,837,517; Dec. 22.
Strap, band, or linkage, Flexible. C. H. Kestenman. 1,808,140; June 2.
Strap, band, or linkage, Flexible. C. H. Kestenman. 1,809,277; June 9.
Strap connection. E. S. Mix. 1,805,047; May 12.
Strap conveyer aligning mechanism. M. V. Creedon and W. V. McGuinness. 1,835,996; Dec. 8.
Strap edge finishing machine. E. S. Mix. 1,824,678; Sept. 22.
Strap end and strap-end clip. S. Fischer. 1,797,056; Mar. 17.
Strap for belt conveyer, Clearing out. F. Griffith and M. B. Smith. 1,833,874; Nov. 24.
Strap for boxes, bales, or the like, Metal. L. M. Harvey. 1,828,186; Oct. 20.
Strap for wrist watches. S. Bruner. 1,800,503; Apr. 14.
Strap or similar article, Shoe. I. H. Shapack. Des. 83,927; Apr. 14.
Strap retainer, Garment shoulder. J. Blazich. 1,823,250; Sept. 15.
Strap retainer, Shoulder. A. C. Hooper. 1,807,290; May 26.
Strap stretching and sealing mechanism. E. C. Glardon. 1,809,480; June 9.
Strap stretching device. C. M. MacChesney and J. E. Ott. 1,833,168; Nov. 24.
Strap tightener. W. Kuehner. 1,827,243; Oct. 13.
Straw attachment, Soda. W. Galetschky. 1,813,285; July 7.
Straw bruiser and wind stacker, Interchangeable. A. W. Wessman. 1,825,838; Oct. 6.
Straw pulp for straw board, Making. M. Zimmerman. 1,816,456–7; July 28.
Straw spreader. E. L. Bartels. 1,815,042; July 21.
Straw spreader. W. Brzinski. 1,798,189; Mar. 31.
Straw spreader. J. H. Ravens. 1,794,922; Mar. 3.
Street and station indicator. D. M. Saunders. 1,803,811; May 5.
Street cleaner. O. J. Orser. 1,807,250; May 26.
Street-cleaning machine. E. J. Allen. 1,797,185; Mar. 17.
Street indicating and advertising device. A. R. Lively. 1,835,313; Dec. 8.
Street indicator. E. H. L. Englund. 1,831,294; Nov. 10.
Street indicator. H. A. Nelson. 1,801,104; Apr. 14.
Street indicator. S. D. Tomaso. 1,815,424; July 21.
Street indicator. F. D. Wilder. 1,832,600; Nov. 17.
Street indicator and traveling sign system for cars, Combined. E. E. Evans. 1,788,050; Jan. 6.
Street-marking machine. C. W. Mayer. 1,795,660; Mar. 10.
Street sweeping machine. N. H. G. Spradbrow. 1,817,042; Aug. 4.
Stresses in structural elements, Equalizing. F. Vogt. 1,810,232; June 16.
Stretcher. M. Melzer. 1,795,435; Mar. 10.
Stretcher and rug drier, Curtain. J. E. Wilson. 1,838,601; Dec. 29.
Stretcher and tree, Shoe. M. T. Robison. 1,829,369; Oct. 27.
Stretcher, Curtain. W. J. Carter, jr. 1,832,765; Nov. 17.
Stretcher for neckwear skins. A. J. Passman. 1,818,577; Aug. 11.
Stretcher, Garment. O. L. Newton. 1,824,293; Sept. 22.
Stretcher, Garment. C. E. Ramsdell. 1,791,601; Feb. 10.
Stretcher, Necktie. J. H. Wein. 1,834,262; Dec. 1.
Stretcher, Shoe. F. L. Sordelett. 1,792,192; Feb. 10.
Stretcher, Vertebræ. A. J. Silva. 1,804,441; May 12.
Stretcher, Wire. O. Anderson. 1,830,047; Nov. 3.
Stretcher, Wire. P. G. Jarvis. 1,804,502; May 12.
Stretcher, Wire. G. Little. 1,823,054; Sept. 15.
Stretcher, Wire. A. J. Schwartz. 1,794,488; Mar. 3.
Stretcher, Wire-fence. W. J. Greutman. 1,792,535; Feb. 17.
Stretching device, Curtain-. W. J. Carter, jr. 1,799,001; Mar. 31.
Stretching device for animal skins used for neck pieces. S. Heilweil. 1,833,609; Nov. 24.
Stretching machine. J. E. McCarthy. 1,822,104; Sept. 8.
Stretching machine for stockings. W. H. Gosch. 1,817,617; Aug. 4.
Strike plate. S. J. Model. 1,793,115; Feb. 17.
Striker. J. Hammerl. 1,794,073; Feb. 24.
Strikers, Fabricating. J. B. Flynn. 1,804,004; May 5.
String galvanometer. R. H. Kruse. 1,797,237; Mar. 24.
String knotting apparatus. K. M. Given. 1,838,757; Dec. 29.
String meter, Shot. P. P. Quayle. 1,807,601; June 2.
Strip aligning apparatus for manifold record machines. L. F. Hagemann. 1,804,608; May 12.
Strip, Composite floor dividing. P. Galassi. 1,828,653; Oct. 20.
Strip, Contraction center. R. R. Robertson. 1,819,304; Aug. 18.
Strip, Corner. R. C. Gross. 1,798,839; Mar. 31.
Strip-corrugating machine. A. D. Meiselbach. 1,793,629; Feb. 24.
Strip, Designation. H. W. O'Neill. 1,818,156; Aug. 11.
Strip, Dividing. R. W. Hardie. 1,817,309; Aug. 4.
Strip, Expansible parting. P. J. Buehler. 1,815,759; July 21.
Strip feed mechanism. B. H. Schneider. 1,821,899; Sept. 1.
Strip feeding apparatus. C. C. Cadden. 1,808,525; June 2.
Strip feeding mechanism. C. J. Fancher and R. A. Johnson. 1,806,154; May 19.
Strip, Finishing. F. H. Sandman. 1,787,876; Jan. 6.
Strip for cards, Protective. W. H. Heisinger. 1,835,987; Dec. 8.
Strip for doors, Movable sealing. C. G. Johnson. 1,824,212; Sept. 22.
Strip for record cards, Protective. W. H. Heisinger. 1,835,988; Dec. 8.
Strip for window sashes, Glazing. R. T. Axe. 1,823,020; Sept. 15.
Strip, Furring. R. F. Norris. 1,833,174; Nov. 24.
Strip, Label. W. B. Lashar. 1,821,101; Sept. 1.
Strip material, Apparatus for assembling. E. F. Maas and R. W. Snyder. 1,800,192; Apr. 7.
Strip material, Apparatus for manipulating extensible. C. W. Leguillon. 1,789,822; Jan. 20.
Strip material around conductors, cables, cores, and the like, Mechanism for wrapping. E. W. McKnight. 1,798,334; Mar. 31.
Strip material, Assembling. E. F. Maas and R. W. Snyder. 1,800,183; Apr. 7.

Strip material, Channeled. E. J. Kvet. 1,812,963; July 7.
Strip materials, Apparatus for joining. A. Potdevin. 1,820,921; Sept. 1.
Strip, Multiple floor. P. Galassi. 1,824,715; Sept. 22.
Strip or wire, Manufacture of metallic sheet. S. O. Cowper-Coles. 1,806,587; May 26.
Strip, Parting. W. C. Ellis. 1,838,220; Dec. 29.
Strip, rod, wire, and like material Feed mechanism for. C. A. Dreisbach. 1,798,316; Mar. 31.
Strip, Siding. L. E. Calkins. Des. 84,808; Aug. 11.
Strip straightening and cutting machine. G. F. Matteson. 1,810,976; June 23.
Strip, Wall ground work. C. A. Robinson and K. S. Frazier. 1,816,933; Aug. 4.
Striper. A. W. Scoles. 1,830,860; Nov. 10.
Striping machine. H. Stutzenstein. 1,835,822; Dec. 8.
Stripper for drum bodies. G. L. Pfanstiel. 1,790,554; Jan. 27.
Stripper for fabrics. W. Kritchevsky and H. C. Prutsman. 1,810,663; June 16.
Stripper for pastry cake baking machines. C. Schroeder and H. Tatosian. 1,808,997; June 9.
Stripping device and method. G. F. Wilson and W. H. Slabaugh. 1,809,260; June 9.
Stripping machine. I. W. Ross and J. S. Krob. 1,826,526; Oct. 6.
Strips, etc., Apparatus for coiling. E. Dukes. 1,825,567; Oct. 6.
Strips for floors, Producing dividing. P. Galassi. 1,837,902; Dec. 22.
Strips for terrazzo floors, Flanged. P. Galassi. 1,832,836; Nov. 17.
Strips from sheet magnesium alloys, method of and apparatus for producing profile. E. de Ridder. 1,823,489; Sept. 15.
Strips, Making channel. J. I. Taylor. 1,834,554; Dec. 1.
Strips or the like to boxes, cases, and wrappings made of metal-foil-covered paper, cardboard, and the like, Attaching sealing or labeling. L. Rado. 1,828,680; Oct. 20.
Strobo-rotoscopic device. M. Stone. 1,811,481; June 23.
Stroboscopic apparatus. E. A. Butler and T. R. Olive. 1,807,149; May 26.
Strong back. F. Dustan and H. W. Cross. 1,800,444; Apr. 14.
Strontium from oxide solutions, Obtaining. C. W. Jones. 1,831,251; Nov. 10.
Strontium perchlorate composition and preparing the same. G. F. Smith. 1,824,101; Sept. 22.
Stropper. M. L. Luebben. 1,795,654; Mar. 10.
Stropper, Razor. L. H. Brooks. 1,810,265; June 16.
Stropper, Razor. J. E. Drew. 1,805,691; May 19.
Stropping device for safety razor blades. W. P. Cook. 1,838,251; Dec. 29.
Structural device. C. T. Hatch. 1,826,133; Oct. 6.
Structural element. M. S. Goldsmith. 1,792,491; Feb. 17.
Structural element. C. T. Hatch. 1,820,700; Aug. 25.
Structural material. H. H. Potts. 1,816,988; Aug. 4.
Structural material. C. A. Van Dusen. 1,791,856; Feb. 10.
Structural member. H. E. Eichner. 1,798,197; Mar. 31.
Structural member, Metallic. F. M. Barton. 1,804,452; May 12.
Structural members, Method and apparatus for welding. G. E. Caldwell. 1,831,343; Nov. 10.
Structural unit. D. H. Bitney. 1,826,042; Oct. 6.
Structural reenforcing and building member. G. E. Dale. 1,824,076; Sept. 22.
Structural shape and making same. L. S. Trachsel. 1,802,397; Apr. 28.
Structural unit. D. H. Bitney. Re18,107; June 23.
Structural unit. D. H. Bitney. 1,794,138; Feb. 24.
Structures confining fluid under pressure, Device for repairing. T. De La Mare. 1,838,686; Dec. 29.
Strut construction. A. F. Masury. 1,808,365; June 2.
Strut for aeroplanes, Shock absorbing landing. F. Kunderd. 1,806,807; May 26.
Strut plate. C. J. W. Clasen. 1,801,333; Apr. 21.
Stub axle puller. E. L. Chapman. 1,814,368; July 14.
Stucco and plaster backing, Reenforcing. J. H. Plunkett. 1,793,634; Feb. 24.
Stuccoing and plastering machine. E. Morelli. 1,797,437–8; Mar. 24.
Stuccoing and plastering machine. E. Morelli. 1,797,666; Mar. 24.
Stud and partition construction for buildings. F. J. Sersen. 1,815,075; July 21.
Stud, Building. J. Wissheier. 1,828,953; Oct. 27.
Stud clamp, Partition. W. D. Henderson. 1,811,301; June 23.
Stud, Combination necktie and collar. M. W. Ingraham. 1,838,486; Dec. 29.
Stud driver. L. A. Weil. 1,817,049; Aug. 4.
Stud extractor. E. M. Doan. 1,815,500; July 21.
Stud for construction boards, Reenforcing. R. M. Chesney. 1,838,361; Dec. 29.
Stud for snap fasteners, Tack fastened. G. A. King. 1,831,307; Nov. 10.
Stud for snap fasteners, Tack fastened. F. E. Warner. 1,826,683; Oct. 6.
Stud setter. A. G. Decker. 1,828,523; Oct. 20.
Stud setter. C. R. Leiter. 1,788,679; Jan. 13.
Stud setter. C. R. Leiter. 1,825,876; Oct. 6.
Stud, Snap fastener. G. Johnson. 1,831,566; Nov. 10.
Stud wrench. H. M. Proctor. 1,815,363; July 21.
Studding shoe. W. D. Henderson. 1,801,668; Apr. 21.
Student pilots of aircraft, Apparatus for training. H. J. White. 1,831,939; Nov. 17.
Study table. F. C. Lochner. 1,792,993; Feb. 17.
Stuffing box. A. C. Brammer. Re17,976; Feb. 24.
Stuffing box. F. Faudi. 1,793,738; Feb. 24.
Stuffing box. W. H. Hazard. 1,798,158; Mar. 31.
Stuffing box. A. G. Heggem. 1,799,297; Apr. 7.
Stuffing box. A. G. Heggem. 1,803,471; May 5.
Stuffing box. I. Lundgaard. 1,828,286; Oct. 20.
Stuffing box. W. H. McKissick. 1,813,308; July 7.
Stuffing box. M. Roemer. 1,811,334; June 23.
Stuffing box. J. M. Shimer. 1,836,776; Dec. 15.
Stuffing box. G. L. Waddell. 1,799,335; Apr. 7.
Stuffing box. R. C. Weant. 1,809,657; June 9.
Stuffing box. R. M. Weeks. 1,805,155; May 12.
Stuffing box. W. B. Wigle. 1,804,581; May 12.
Stuffing box. G. F. Wilson. 1,829,206; Oct. 27.
Stuffing box. F. G. Worden. 1,811,814; June 23.
Stuffing box, Ball bearing. M. C. Smith. 1,828,880; Oct. 27.
Stuffing box, Rotary spring. E. Gremminger. 1,826,212; Oct. 6.
Stuffing material. X. Laucirica. 1,824,489; Sept. 22.
Stumps in the ground, Device for splitting. F. W. Grupe. 1,803,902; May 5.
Stylus-actuating mechanism. C. J. Everett. 1,788,153; Jan. 6.
Subframe construction. W. G. Mayer. 1,797,530; Mar. 24.
Subgrade finishing machine. J. E. Wight. 1,833,546; Nov. 24.
Sub-grading machine. R. W. Briggs and J. N. Summers. 1,818,457; Aug. 11.
Subjects containing fats and in the separation of the products for useful purposes, Rendering and or digesting of. J. R. Cullen. 1,833,826; Nov. 24.
Submarine. P. Escobedo. 1,817,742; Aug. 4.
Submarine air lock. J. F. O'Rourke. 1,795,408; Mar. 10.
Submarine air locks, Lowering and raising. J. F. O'Rourke. 1,830,442; Nov. 3.
Submarine, Apparatus for assisting the crew of a sunken. S. Leone. 1,812,637; June 30.
Submarine cable. W. S. Smith, N. Poppleford, H. J. Garnett, and H. C. Channon. 1,819,720; Aug. 18.
Submarine cable insulation. J. J. Gilbert. 1,818,127; Aug. 11.
Submarine cable system. R. E. A. Putnam. 1,815,657; July 21.
Submarine closure. R. G. Merritt. 1,801,358; Apr. 21.
Submarine-crew-rescue apparatus. J. W. Shuler. 1,796,408; Mar. 17.
Submarine device. R. G. Merrit. 1,838,566; Dec. 29.
Submarine, Dry mine laying. H. E. Grieshaber. 1,819,022; Aug. 18.
Submarine hull or the like, Resistant. R. Galeazzi. 1,808,599; June 2.
Submarine life saving system. A. E. Weingartner. 1,831,726; Nov. 10.
Submarine mine. H. B. Pratt. 1,812,370; June 30.
Submarine mine and anchoring the same. M. Cuturi. 1,802,239; Apr. 21.
Submarine, Mine laying. H. E. Grieshaber. 1,802,013; Apr. 21.
Submarine, Mine laying. L. Y. Spear. 1,801,986; Apr. 21.
Submarine, Rescue. L. Y. Spear. 1,814,642; July 14.
Submarine rescue device. R. Dicola. 1,829,476; Oct. 27.
Submarine rescuing device. I. S. Kelley. 1,821,219; Sept. 1.
Submarines, Rescuing device for. E. I. Gamet and C. J. Murphy. 1,832,198; Nov. 17.
Submarine safety apparatus. J. A. Robinson. 1,795,891; Mar. 10.
Submarine safety device. L. A. Andrews. 1,800,976; Apr. 14.
Submarine, Salvage and rescue. H. E. Griesaber. 1,814,689; July 14.
Submarine salvage apparatus. A. Stave. 1,824,694. Sept. 22.
Submarine vessel. S. Horvath. 1,819,681; Aug. 18.
Submarines and ships, Attachment for. J. Mirlink. 1,816,689; July 28.
Submarines, Device for attaching saving means to sunken. J. Novotny. 1,823,862; Sept. 15.
Submarines, Life saving and salvage apparatus for. G. Facchin. 1,822,435; Sept. 8.
Submarines, Life saving device for. H. Eckel and H. Schuenhoff. 1,815,350; July 21.
Submarines, Rescue device for. J. D. Melms. 1,803,199; Apr. 28.
Submarines, Safety appliance for. C. F. Ebert. 1,801,768; Apr. 21.
Submarines, Salvage chamber for. G. L. Teeple and G. S. Ball. 1,803,369; May 5.
Submarines, Salvaging apparatus for. J. G. González and R. S. Davila. 1,801,232; Apr. 14.
Submergible apparatus. H. J. Finn. 1,803,526; May 5.
Subplate for drill jigs. J. F. Stumpf. 1,818,966; Aug. 11.
Subsoil, Exploring the. R. Ambronn. 1,805,900; May 19.
Subsoil investigating, Method and apparatus for. K. Sundberg and E. D. Lindblom. 1,820,953; Sept. 1.
Substance from a gaseous mixture, Eliminating a. F. Lopez. 1,812,750; June 30.
Substance having a nacreous and chatoyant aspect, Production of. J. Paisseau. 1,806,863; May 26.

Substance preparation. R. G. Tellier. 1,839,059–60; Dec. 29.
Substance preparation. R. G. Tellier. 1,839,062–3; Dec. 29.
Substance transparent to ultra-violet light and producing the same. H. P. Hood. 1,830,903; Nov. 10.
Substances from female internal secretive sex organs, Manufacture of physiologically active. M. Hartmann. 1,817,686; Aug. 4.
Substances from liquids, Process and apparatus for separating. W. C. Graham, H. S. Rumsey, and A. U. Wetherbee. 1,794,374; Mar. 3.
Substances with metals, Metallizing or coating. A. I. G. Warren. 1,834,812; Dec. 1.
Sub-stations, Self contained rural. G. A. Burnham. 1,818,686; Aug. 11.
Substructures for structures, Producing. L. White. 1,827,921; Oct. 20.
Subway and tunnel. J. F. O'Rourke. 1,823,757; Sept. 15.
Sucker-rod elevator. G. E. Fritts. 1,789,701; Jan. 20.
Sucker rod elevator. H. K. Penny. 1,801,976; Apr. 21.
Sucker-rod elevator. J. A. Yerkes. 1,798,296; Mar. 31.
Sucker rod hanger. A. H. Neilson. 1,802,526; Apr. 28.
Sucker rod joint. F. B. Vaughn. 1,814,271; July 14.
Sucker-rod lifter and wrench. Q. D. Biggs. 1,787,853; Jan. 6.
Sucker rod or tubing elevator. B. G. Weston. 1,814,990; July 14.
Sucker-rod section. H. H. Brooks and J. W. Besh. 1,788,363; Jan. 6.
Sucker rods, Device for pulling or carrying. A. R. Bumgardner. 1,817,233; Aug. 4.
Sucrose and quicklime, Apparatus for effecting reactions between. R. W. Shafor. 1,800,667; Apr. 14.
Suction bell and current-control device, Automatic. R. L. White. 1,790,563; Jan. 27.
Suction box. E. E. Berry. 1,790,852; Feb. 3.
Suction box. G. Peebles. 1,791,535; Feb. 10.
Suction cleaner. H. R. Ballou. 1,829,255; Oct. 27.
Suction cleaner. B. C. Becker. 1,837,315; Dec. 22.
Suction cleaner. W. C. Davidson. 1,815,242; July 21.
Suction cleaner. W. C. Davidson. 1,837,317; Dec. 22.
Suction cleaner. J. B. Kirby. 1,806,168; May 19.
Suction cleaner. W. P. Leahy. 1,787,537; Jan. 6.
Suction cleaner. L. W. Pardee. 1,806,177; May 19.
Suction cleaner. H. B. White. 1,831,551; Nov. 10.
Suction device for dipping, stripping, or plating tanks. E. Koeppen. 1,801,011; Apr. 14.
Suction feeder. K. E. Peiler and T. Barrier, jr. 1,828,717; Oct. 20.
Suction feed device, Limited. W. H. Muzzy. 1,812,014; June 30.
Suction intensifier. H. Hueber and E. C. Horton. 1,820,884; Aug. 25.
Suction motor. H. J. Murphy. 1,825,411; Sept. 29.
Suction plate machine. W. C. Jay. 1,809,852; June 16.
Suction roll. E. E. Berry. 1,799,775; Apr. 7.
Suction roll. R. J. Marx. 1,814,050; July 14.
Suction roll. W. H. Millspaugh. 1,834,470; Dec. 1.
Suction roll. E. T. Street. 1,812,812; June 30.
Suction roll, Gearless. W. H. Millspaugh. 1,805,671; May 19.
Suction roll shell, Countersunk. W. H. Millspaugh. 1,805,780; May 19.
Suction roll with extended suction box, Gearless. W. H. Millspaugh. 1,819,332; Aug. 18.
Suction tube, Cotton-picker. T. R. Post. 1,794,243; Feb. 24.
Suds producing device. S. G. Roberts. 1,837,136; Dec. 15.
Sugar, after products or the like before refining, Preliminary treatment of raw. J. Bergé. 1,809,807; June 9.
Sugar beet topping machine. C. Peer. 1,821,573; Sept. 1.
Sugar cane, Apparatus for disintegrating. W. H. Morgan. 1,813,070; July 7.
Sugar-cane-crushing apparatus. F. Maxwell. 1,792,502; Feb. 17.
Sugar cane process and apparatus. E. M. Copp. 1,824,875; Sept. 29.
Sugar cane mill. A. P. Leonard. 1,830,325; Nov. 3.
Sugar cane, Shearing of disintegrating. W. H. Morgan. 1,804,267; May 5.
Sugar cane, Treating the bagasse of. E. C. H. Valet. 1,792,202; Feb. 10.
Sugar contained in sugar plants, Automatic apparatus for the continuous extraction of the. A. Olier. 1,832,472; Nov. 17.
Sugar crystals, Decoloring. J. Bergé. 1,811,169; June 23.
Sugar, Manufacturing. C. Schwieger. 1,815,276; July 21.
Sugar, Manufacture of extra fine, soft granulated cane. B. H. Varnau and T. B. Wayne. 1,826,441; Oct. 6.
Sugar mill. F. Hegenbarth. 1,819,290; Aug. 18.
Sugar roll mill. C. J. Pender. 1,827,669; Oct. 13.
Sugar solution, Production of a. E. Langfeldt. 1,834,788; Dec. 1.
Sugar solutions, Treating. H. de F. Olivarius. 1,788,628; Jan. 13.
Sugar, Spray-dried. S. L. Ames and L. Day. 1,826,701; Oct. 13.
Sugar unit. S. M. Meyer. 1,836,604; Dec. 15.
Sugars from cellulosic material, Production of. R. Griessbach and E. Koch. 1,793,084; Feb. 17.
Suit. D. Long. Des. 85,484; Nov. 3.
Suit. D. Long. Des. 85,535; Nov. 10.
Suit. Y. G. Stern. Des. 85,777; Dec. 15.
Suit. Y. G. Stern. Des. 85,783; Dec. 15.
Suit. Y. G. Stern. Des. 85,786; Dec. 15.
Suit, athletic suit, or the like, Bathing. A. Vizzard. 1,793,145; Feb. 17.
Suit, Bathing. F. O. Donner. 1,822,958; Sept. 15.
Suit, Bathing. I. Fogel and S. Shulkin. Des. 84,929; Aug. 25.
Suit, Bathing. A. L. Friedenthal. 1,790,702; Feb. 3.
Suit, Bathing. E. M. Goldsmith. 1,829,989; Nov. 3.
Suit, Bathing. D. Long. Des. 83,737; Mar. 24.
Suit, Bathing. D. Long. Des. 83,869; Apr. 7.
Suit, Bathing. W. G. Maier. 1,829,100; Oct. 27.
Suit, Bathing. C. L. Martin. 1,807,486; May 26.
Suit, Bathing. A. A. Neveu. 1,814,451; July 14.
Suit, Bathing. P. A. Savard. 1,800,960; Apr. 14.
Suitcase. W. R. K. Gandell. 1,837,119; Dec. 15.
Suitcase and the like. J. H. Vineberg. 1,838,240; Dec. 29.
Suit case lock. E. B. Stone. 1,829,310; Oct. 27.
Suit, Ensemble. D. Long. Des. 83,054; Jan. 13.
Suit, Ensemble. D. Long. Des. 84,092–4; May 5.
Suit, Ensemble. D. Long. Des. 84,425; June 16.
Suit, Ensemble. D. Long. Des. 85,659–60; Dec. 1.
Suit, Flying. H. R. Hart. 1,795,775; Mar. 10.
Suit, Life-preserving. A. D. Shave. 1,702,125; Feb. 10.
Suit, Life saving. W. L. Aud. 1,807,680; June 2.
Suit, Life saving. G. Sferrazza. 1,813,965; July 14.
Suit, Nonsinkable bathing. E. Diamond. 1,803,898; May 5.
Suit, Sportsman's buoyant. D. W. Corder and C. H. Lawrence. 1,794,883; Mar. 3.
Suit, Swimming. P. Bergh. 1,828,310; Oct. 20.
Suitcase construction, Fitted-. A. H. Last. 1,794,305; Feb. 24.
Suitcases, Tray for. E. E. Wilt. Des. 83,296; Feb. 10.
Sulky for plows and the like. C. C. Stedman. 1,809,573; June 9.
Sulphate of potash, Manufacture of. H. W. Morse. 1,824,361; Sept. 22.
Sulphate pulp, Preparation of strong, bleached C. A. Blodgett and H. H. Hanson. 1,831,436; Nov. 10.
Sulphates, Manufacture of. R. H. McKee. 1,804,631; May 12.
Sulphide and ammonia from gases, Absorption of hydrogen. C. Hansen. 1,826,779; Oct. 13.
Sulphide-ore treatment. R. E. Pehlan, S. P. Lowe, A. B. Clampitt, H. T. Koenig, and O. A. Fischer. 1,801,105; Apr. 14.
Sulphides, Making poly nitro phenyl thiazyl. S. M. Cadwell. 1,801,766; Apr. 21.
Sulphite liquor, Production of. M. G. T. Schroeder. 1,826,028; Oct. 6.
Sulphite pulp for filaments and films, Preparing. C. A. Blodgett and H. H. Hanson. 1,822,126; Sept. 8.
Sulphite pulp, Making. A. M. Thomsen. 1,803,738; May 5.
Sulphites from fusion liquors, Recovering alkali-metal. C. L. Masters. 1,788,955; Jan. 13.
Sulphocyanic groups in organic compounds, New process for, Introducing. H. P. Kaufmann. 1,790,097; Jan. 27.
Sulphonated substances and preparing the same. E. W. Wall. 1,812,615; June 30.
Sulphonation products. I. C. Somerville. 1,801,461; Apr. 21.
Sulphur burner. M. J. Leahy. 1,812,795; June 30.
Sulphur compounds, Making organic. D. H. Powers. 1,788,632; Jan. 13.
Sulphur compounds, Producing. E. M. Johansen. 1,836,170; Dec. 15.
Sulphur-containing oils, Treating. H. G. M. Fischer and W. J. Addems. 1,789,335; Jan. 20.
Sulphur-containing substances, especially metal sulphides containing ores, Device for roasting. H. Klencke. 1,788,767; Jan. 13.
Sulphur dioxide from exit gas, Recovering. H. F. Merriam. 1,823,372; Sept. 15.
Sulphur extractor. A. J. Crowley and H. L. Hazen. 1,800,605; Apr. 14.
Sulphur from hydrogen sulphide and sulphur dioxide, Production of elemental. R. F. Bacon. 1,807,583; June 2.
Sulphur from sulphur dioxide, Recovery of. R. C. Benner and A. P. Thompson. 1,836,357; Dec. 15.
Sulphur from used gas purifying mass, Gaining pure tarfree. K. Szombathy. 1,815,811; July 21.
Sulphur, Mining. B. Andrews. 1,814,539; July 14.
Sulphur, Process and apparatus for subliming. L. Gillett. 1,832,013; Nov. 17.
Sulphur, Producing elemental. R. C. Benner and A. P. Thompson. 1,795,705; Mar. 10.
Sulphur product and making same. C. Ellis. 1,795,364; Mar. 10.
Sulphur, Production of pure. P. Koppe. 1,816,084; July 28.
Sulphur, Production of pure. P. Koppe and G. Robbel. 1,813,497; July 7.
Sulphur sludge treatment. G. E. Seil. 1,808,938; June 9.
Sulphur sludge treatment. G. E. Seil. 1,837,493; Dec. 22.
Sulphur, Treating discolored. L. S. Bushnell. 1,823,188; Sept. 15.
Sulphuric acid on iron and steel, Product and process for preventing the solvent action of. J. G. Schmidt. 1,807,711; June 2.
Sulphurized compound of phenol. A. Thauss and A. Günther Re17,940; Jan. 27.

Sulphuro-anhydride compounds of pyridines bases. E. G. Beckett. J. E. G. Harris, B. Wylam, and J. Thomas. 1,835,841; Dec. 8.
Summation meter. W. Gaarz and J. Dalchau. 1,809,269; June 9.
Sundial. H. Neuwirth. 1,811,183; June 23.
Sunlight control and concentrating device. W. J. Harvey. 1,822,029; Sept. 8.
Sunshade, umbrella, and the like. J. D. Haaker. 1,836,322; Dec. 15.
Supercharger. R. V. Hutchinson. 1,829,400; Oct. 27.
Supercharger. L. H. Watkins. 1,823,811; Sept. 15.
Supercharger for internal combustion engines. S. A. Moss. 1,816,737; July 28.
Supercharger structure. W. K. Burgess. 1,793,903; Feb. 24.
Superheater. W. H. Armacost. 1,829,845; Nov. 3.
Superheater. A. W. Bruce. 1,833,314; Nov. 24.
Superheater. D. S. Jacobus. 1,834,782; Dec. 1.
Superheater. W. F. Keenan, jr. 1,827,892; Oct. 20.
Superheater. H. J. Kerr and J. Fletcher. 1,814,707; July 14.
Superheater. T. E. Murray. 1,799,632; Apr. 7.
Superheater. C. U. Savoye. 1,824,627; Sept. 22.
Superheater. R. Uhde. 1,800,329; Apr. 14.
Superheater boiler. P. A. Bancel. 1,801,251; Apr. 14.
Superheater boiler. H. J. Kerr. 1,789,076; Jan. 13.
Superheater for fire-tube boilers and protective means therefor. J. A. Barnes. 1,799,669; Apr. 7.
Superheater for high-pressure steam plants, Intermediate. S. Löffler. 1,800,306; Apr. 14.
Superheater for water tube boilers. G. Bauer. 1,805,967; May 19.
Superheater header. H. Frank. 1,829,894; Nov. 3.
Superheater header. H. B. Oatley. 1,807,248; May 26.
Superheater header. K. Volland. 1,829,882; Nov. 3.
Superheater headers, Manufacturing. M. F. Hard. 1,807,240; May 26.
Superheater heated by superheated steam. R. Uhde. 1,839,133; Dec. 29.
Superheater or the like. T. E. Murray. 1,838,105; Dec. 29.
Superheater, Shielded. W. D. La Mont. 1,834,214; Dec. 1.
Superheater tubes in boiler flues, Apparatus for installing. W. N. Tatro. 1,817,327; Aug. 4.
Superheater unit and boiler using same. J. A. Barnes. 1,821,134; Sept. 1.
Superheterodyne system, Wobbled frequency. R. H. Ranger. 1,830,242; Nov. 3.
Superphosphate, Manufacturing double. B. Ober, E. H. Wight, and W. H. Waggaman. 1,837,285; Dec. 22.
Superphosphates, Double. B. Ober, E. H. Wight, and W. H. Waggaman. 1,837,330; Dec. 22.
Supersaturants, Recovering. L. H. Duschak. 1,814,300; July 14.
Superstructure for beacon towers. J. E. Tate. Des. 84,904; Aug. 18.
Superturbine, Reversible. I. Olsen. 1,836,388; Dec. 15.
Supervisory and control system. T. U. White. 1,795,000; Mar. 3.
Supervisory control system. R. J. Wensley. 1,801,827; Apr. 21.
Supervisory control system. R. J. Wensley and J. L. McCoy. 1,821,368; Sept. 1.
Supervisory-control system. T. U. White. 1,792,261; Feb. 10.
Supervisory system. H. E. Hershey. 1,816,186; July 28.
Supervisory system. M. L. Nelson. 1,827,098; Oct. 13.
Supervisory system for detecting suspended matter in fluids. G. G. Freygang. 1,828,894; Oct. 27.
Supply and delivery mechanism for control of fluids. J. L. Balton. 1,832,891; Nov. 24.
Supply lines, Device for tapping. K. Etzrodt. 1,794,679; Mar. 3.
Supply meter, Excess-. F. M. Jacobsson and K. G. Ljungdahl. 1,792,016; Feb. 10.
Support. C. J. Andrews. 1,801,835; Apr. 21.
Support. B. S. Carr. 1,822,009; Sept. 8.
Support. P. N. Elderkin. 1,806,600; May 26.
Support. C. E. Harper. 1,813,740. July 7.
Support. T. E. Markley. 1,793,707; Feb. 24.
Support. W. W. Vaughn. 1,790,031; Jan. 27.
Support. J. K. Wood. 1,816,164; July 28.
Support, Abdominal. S. H. Camp. 1,798,368; Mar. 31.
Support, Abdominal. J. L. and W. N. Holt. 1,819,294; Aug. 18.
Support, Abdominal. I. M. Pease. 1,812,115; June 30.
Support, Abdominal. P. R. Sigsbee. 1,798,502; Mar. 31.
Support, Adjustable. J. M. McGinley. 1,788,800; Jan. 13.
Support, Adjustable. J. H. Wagenhorst. 1,798,568; Mar. 31.
Support, Adjustable insulator. F. A. Ciraolo and J. S. Basher. 1,806,575; May 19.
Support, Adjustable wall radiator. A. E. Davis. 1,832,858; Nov. 24.
Support and bracket therefor, Flashlight. J. Hauenstein. 1,821,305; Sept. 1.
Support and casing for traffic signals, Combined. C. Adler, jr. Des. 84,727; July 28.
Support and clip for ribbed metal roofing. H. Thurber. 1,799,541; Apr. 7.
Support and display stand, Combined card. W. Lindsey. 1,806,907; May 26.
Support and elevator, Hose. C. H. Rinehart. 1,821,725; Sept. 1.
Support and journal box, Car frame. R. J. Brittain, jr. 1,823,884; Sept. 22.
Support and protector, Awning. J. A. Smith. 1,812,416; June 30.
Support and slide for endless-feed chains of sawing machines and the like. J. E. Hirst. 1,796,369; Mar. 17.
Support and take up device, Pulley line. L. A. Becker. 1,833,348; Nov. 24.
Support and using the same, Outlet-box. J. Bernet. 1,791,748; Feb. 10.
Support, Arch. O. Hildebrandt. 1,822,030; Sept. 8.
Support, Arch. C. Tweedie. 1,828,086; Oct. 20.
Support, Article. D. O. Snyder. 1,809,317; June 9.
Support, Ash-tray. C. H. Schetzer. 1,788,893; Jan. 13.
Support, Attached shirt collar. C. M. Mead. 1,837,567; Dec. 22.
Support, Awning. J. F. Hunley and R. W. Pace. 1,819,173; Aug. 18.
Support, Awning. E. S. McCandliss. 1,828,332; Oct. 20.
Support, Awning arm. F. A. Anton. 1,819,400; Aug. 18.
Support, Baffle. H. J. Kerr. 1,792,643; Feb. 17.
Support, Barrier-cable. W. G. Costin. 1,797,522; Mar. 24.
Support, Bathtub. F. G. Brotz. 1,833,152; Nov. 24.
Support, Battery. V. Jantsch. 1,791,815; Feb. 10.
Support, Bell housing. C. W. and H. G. Marlow. 1,827,532; Oct. 13.
Support, Book. T. J. Smyth. 1,808,796; June 9.
Support, Book. G. A. Turner. 1,795,526; Mar. 10.
Support, Bottle. O. B. Schellberg. 1,799,764; Apr. 7.
Support, Brake beam. A. C. Moore. 1,829,418; Oct. 27.
Support, Brake-beam safety. D. Hindahl. 1,791,621; Feb. 10.
Support, Brake-hanger. V. H. Harbert. 1,795,024; Mar. 3.
Support, Brake-hanger. F. Schaefer. 1,797,532; Mar. 24.
Support, Brake hanger. F. Schaefer. 1,804,118–9; May 5.
Support, Brake rod. H. Ford. 1,830,898; Nov. 10.
Support, Breast. F. M. Bauckman. 1,815,697; July 21.
Support, Buck. W. O. Isaacson. 1,824,998; Sept. 29.
Support, Bus. W. S. Mayer. 1,793,430; Feb. 17.
Support, Bust. B. E. Ferrero, née Willmann. 1,837,958; Dec. 22.
Support, Cable. H. E. Miller. 1,830,438; Nov. 3.
Support, Cap. H. H. Morgan. 1,825,810; Oct. 6.
Support, Cargo carrier. C. H. Jacobs, and A. F. Harshbarger. 1,824,551; Sept. 22.
Support, Casing. E. H. Brown. 1,791,657; Feb. 10.
Support, Casing. C. A. Rasmussen, C. R. Butler, and W. A. Trout. 1,807,046; May 26.
Support, Christmas-tree. A. O. Jensen. 1,792,307; Feb. 10.
Support, Clothesline. C. T. Moyer. 1,822,364; Sept. 8.
Support, Clothesline. L. Muiente. 1,831,717; Nov. 10.
Support, Collapsible. K. Van A. Gwyer. 1,830,230; Nov. 3.
Support, Combination lamp and clock. H. Fantel. 1,815,465; July 21.
Support, Combined heel and arch. O. Gregarek. 1,808,460; June 2.
Support, Combined insole and arch. O. Gregarek. 1,804,009; May 5.
Support, Combined insole and arch. O. Gregarek. 1,808,461; June 2.
Support, Conductor. H. P. Chandler. 1,790,741; Feb. 3.
Support, Conductor. S. S. Matthes. 1,837,460; Dec. 22.
Support, Conduit. C. C. Korns. 1,820,229; Aug. 25.
Support, Curling iron. H. L. Farmer. 1,833,281; Nov. 24.
Support, Curtain. S. L. Sawyer. 1,798,276; Mar. 31.
Support, Curtain fixture center. J. H. Boye. 1,832,086; Nov. 17.
Support, Curtain rail. G. F. French. 1,815,249; July 21.
Support, Cushion. F. G. Withrow. 1,836,353; Dec. 15.
Support, Detachable. J. M. McGinley. Re18,249; Nov. 10.
Support, Divider. L. W. Kennedy. 1,789,181; Jan. 13.
Support, Drill. H. W. Fuller. 1,833,781; Nov. 24.
Support, Drill. R. E. Manley. 1,791,073; Feb. 3.
Support, Drop-wire. H. W. Pleister and J. Karitzky. 1,791,283; Feb. 3.
Support, Duplex watch. G. W. Holcomb. 1,836,248; Dec. 15.
Support, Electrical outlet box. G. R. Riggs and C. F. Spreen. 1,818,814; Aug. 11.
Support, Engine. C. R. Uebelmesser and W. Wenderhold. 1,810,879; June 16.
Support, Engine rear. B. H. Anibal. 1,823,420; Sept. 15.
Support especially for heavy machine guns or the like. W. C. L. Haubroe. 1,810,654; June 16.
Support, Filament. L. Sutherlin. 1,829,423; Oct. 27.
Support, Filing card. F. L. G. Straubel. 1,821,244; Sept. 1.
Support, Fire extinguisher. W. B. Bronander. 1,816,893; Aug. 4.
Support, Fire extinguisher. W. B. Bronander. 1,817,231; Aug. 4.
Support, Flexible. G. Flintermann. 1,811,923; June 30.
Support, Fluid-pressure-operated work. C. G. Trefethen. 1,791,392; Feb. 3.
Support for airplanes, Tail. J. L. Cato. 1,792,966; Feb. 17

Support for airships and other craft, Hammock. W. A. Moffett. 1,791,738; Feb. 10.
Support for angle bars, Adjustable. B. A. Brown. 1,806,607; May 26.
Support for autographic register, Strip. E. K. Bottle. 1,795,469; Mar. 10.
Support for automatic connecters. J. Robinson. 1,809,946; June 16.
Support for automobiles, Tray. J. H. Camden and B. Powell. 1,830,347; Nov. 3.
Support for automobiles, Trunk. J. C. Hoffman. 1,823,101; Sept. 15.
Support for baking crust. M. A. Miller. 1,825,535; Sept. 29.
Support for books and the like. G. H. Hamilton. 1,836,466; Dec. 15.
Support for boxes and the like. R. J. Gaskill. 1,812,203; June 30.
Support for brake backing plates. E. J. Hirvonen and W. W. Tuttle. 1,817,748; Aug. 4.
Support for brake rods, Safety. S. A. Crone. 1,816,639; July 28.
Support for cabinets, Door shifted tray. E. A. Chandler and J. H. McCann. 1,835,847; Dec. 8.
Support for clotheslines, Article. P. L. Paulson. 1,837,478; Dec. 22.
Support for colter shanks, Adjustable. C. G. Strandlund. 1,790,956; Feb. 3.
Support for composition inking rollers, Bearing. H. B. Greenwood. 1,837,617; Dec. 22.
Support for concrete forms and scaffolding, Adjustable. F. J. Litter. 1,825,747; Oct. 6.
Support for cooking utensils, Heat transmitting. K. Ilnicki. 1,827,816; Oct. 20.
Support for counter partitions. A. Vanderveld. 1,788,038; Jan. 6.
Support for ear phones. D. L. Moore. 1,809,349; June 9.
Support for electric heating units. F. F. Forshee. 1,820,696; Aug. 25.
Support for electric motor. H. I. Finch. 1,824,202; Sept. 22.
Support for electric motors, Insulating. E. Knecht. 1,823,203; Sept. 15.
Support for electrical apparatus, Brush. E. A. Hobart. 1,794,291; Feb. 24.
Support for electrically actuated fixtures. C. Kraft. 1,805,988; May 19.
Support for embalmers, Arm. F. Chalfant. 1,799,781; Apr. 7.
Support for fabric hangings. C. Neher. 1,808,250; June 2.
Support for fixtures, Extensible. G. P. Zepke. 1,830,308; Nov. 3.
Support for gas lighters and the like, Adjustable. E. W. Roberts. 1,818,275; Aug. 11.
Support for glass rims, Corner. J. M. Kaufman. 1,818,404; Aug. 11.
Support for glass shaping apparatus, Combined transfer, take out, and blowhead. A. J. Smith. 1,833,623; Nov. 24.
Support for hams and other meat products. H. M. Koebler. 1,788,722; Jan. 13.
Support for hats and the like. F. W. Hoban. 1,804,931; May 12.
Support for head rests, Adjustable. C. W. Fischer. 1,810,651; June 16.
Support for holding spectacles above the line of vision. H. Lodde and J. Dieckmann. 1,811,855; June 30.
Support for initially-tensioned reenforcements. H. Sorensen. 1,793,196; Feb. 17.
Support for laboratory appliances. C. J. Farmer. 1,820,305; Aug. 25.
Support for lamp sockets in light signals, Adjustable. J. F. Merkel. 1,822,105; Sept. 8.
Support for lateral arm awnings, Assembly. F. A. Anton. 1,811,907; June 30.
Support for lavatory basins or the like. G. Sakier. Des. 85,060; Sept. 8.
Support for light sources. L. S. Frappier and E. Boecking. 1,830,538; Nov. 3.
Support for lighting fixtures, Socket. I. Wolarsky. 1,825,641; Sept. 29.
Support for liquid receptacles. G. F. Hogan. 1,829,353; Oct. 27.
Support for locomotive air pumps, etc. J. A. Pilcher. 1,816,912; Aug. 4.
Support for locomotive fire boxes, Crown sheet. J. C. Martin, jr. 1,819,907; Aug. 18.
Support for lubricators. C. A. Campbell. 1,808,835; June 9.
Support for manually-operated egg beaters. E. V. Johnson. 1,788,675; Jan. 13.
Support for massage apparatus, Portable. D. H. Murphy. 1,815,928; July 28.
Support for measuring instruments. L. F. Muther. 1,822,500; Sept. 8.
Support for middle guides of locomotives. F. W. Heisler. 1,793,088; Feb. 17.
Support for motion picture projection machines, Adjustable. A. Dinal. 1,808,497; June 2.
Support for motion-picture-projection machines, Combination reel and magazine-frame. A. Dina. Des. 83,191; Feb. 3.
Support for motion picture projection machines, Oscillatory. A. Dina. 1,831,344; Nov. 10.
Support for musical instruments. J. W. Nicomede. 1,791,088; Feb. 3.
Support for objects packed in shipping, Wedge. T. Munroe. 1,791,369; Feb. 3.
Support for overhead wires for railways, tramways, and the like. C. L. Delachaux. 1,800,440; Apr. 14.
Support for picture-projecting machines, Semi-automatic adjustable. A. Dina. 1,831,345; Nov. 10.
Support for portable power saws, Adjustable. T. L. Hedgpeth. 1,828,043; Oct. 20.
Support for projection machines, Lamp. L. S. Frappier and E. Boecking. 1,830,537; Nov. 3.
Support for rail joints, Plate. R. Faries. 1,814,548; July 14.
Support for reciprocating conveyers, Carrier. R. A. Walter. 1,807,110; May 26.
Support for reels of strip material. F. H. Frissell. 1,795,597; Mar. 10.
Support for road paving and the like and process of road paving, Reinforcing bar. E. W. Hallett. 1,833,215; Nov. 24.
Support for rock drills, Steel. C. C. Hansen. 1,817,308; Aug. 4.
Support for scrotum bowls. L. M. Hoover. 1,811,792; June 23.
Support for smokers' and similar articles. A. von Frankenberg. Des. 85,309; Oct. 6.
Support for strand material. H. W. Bowly. 1,818,602; Aug. 11.
Support for suitcases or like receptacles, Collapsible wheeled. J. B. Pinheiro. 1,808,864; June 9.
Support for superheaters. R. M. Harris. 1,791,559; Feb. 10.
Support for supporting fire hose nozzles. A. J. Landry. 1,826,892; Oct. 13.
Support for switch mechanisms. H. J. Crabbs. 1,828,281; Oct. 20.
Support for telephone receiving and transmitting sets. W. M. Valentine. 1,794,994; Mar. 3.
Support for the foot, Cushion. F. Romero. 1,837,488; Dec. 22.
Support for thread cleaners. J. R. Welton. 1,798,572; Mar. 31.
Support for typewriters or other office appliances. E. Kradolfer. 1,824,822; Sept. 29.
Support for vacuum cleaners, Bag. J. F. Carson. 1,823,726; Sept. 15.
Support for vacuum tube lamps. R. C. Smalley. 1,820,838; Aug. 25.
Support for vacuum tube lights, Adjustable. R. C. Smalley. 1,820,837; Aug. 25.
Support for vehicles, Auxiliary load. D. H. Davis. 1,831,441; Nov. 10.
Support for vehicles, Combination pneumatic and spring. J. H. Johnson. 1,823,401; Sept. 15.
Support for vehicles, Outboard-motor. C. H. Schoenburg. 1,799,650; Apr. 7.
Support for vehicles, Resilient. J. E. Stout. 1,792,876; Feb. 17.
Support for vehicles, Spring. A. F. Shore. 1,789,845; Jan. 20.
Support for Venetian-blind tilt rails, Intermediate. F. Leeper. 1,793,943; Feb. 24.
Support for vibratory equipment, Isolating. M. C. Rosenblatt. 1,819,039; Aug. 18.
Support for vitreous bars. E. W. Koering. 1,791,929; Feb. 10.
Support for washing machines. M. E. Block. 1,795,925; Mar. 10.
Support for water-cooled walls of boilers. D. S. Jacobus. 1,788,024; Jan. 6.
Support, Garment. W. S. Lapworth. 1,824,556; Sept. 22.
Support, Garment. L. Schweizer. 1,816,656; July 28.
Support, Garment. W. Wolff. 1,797,037; Mar. 17.
Support, Garment-hanger. L. M. Wilson. 1,799,190; Apr. 7.
Support, Golf-bag. W. H. Bright. 1,791,188; Feb. 3.
Support, Golf club bag. P. I. Campbell. 1,810,903; June 23.
Support, Hanger. P. La Giglia. 1,791,931; Feb. 10.
Support, Hanger. M. Victorsohn. 1,789,164; Jan. 13.
Support, Hat. S. A. Thomas. 1,837,692; Dec. 22.
Support, Hinge. G. W. Aldeen. 1,838,351; Dec. 29.
Support, Horn. D. C. Hickson. 1,837,434; Dec. 22.
Support, Horn. R. I. Sarbacher. 1,837,491; Dec. 22.
Support, Instrument board clock. H. C. Gilham. 1,835,294; Dec. 8.
Support, Insulator. R. M. Kerschner. 1,787,533; Jan. 6.
Support, Insulator. R. H. Manson. 1,788,245; Jan. 6.
Support, Ironer shoe. H. Hill. 1,793,316; Feb. 17.
Support, Jack-hammer. F. T. Norwalk. 1,795,573; Mar. 10.
Support, Ladder. N. P. Larsen. 1,826,893; Oct. 13.
Support, Lamp. C. J. Decker. 1,835,021; Dec. 8.
Support, Lamp. W. A. Dunlap. 1,804,863; May 12.
Support, Lamp. J. W. Gosling. Des. 82,985; Jan. 6.
Support, Lamp. C. W. Moore. 1,819,842; Aug. 18.
Support, Lamp-shade. S. W. Farber. 1,788,993; Jan. 13.
Support, Lateral arm awning. F. A. Anton. 1,824,188; Sept. 22.
Support, Mail-box. F. E. Dalrymple. 1,790,136; Jan. 27.
Support, Mail-box. M. L. Trimmer. 1,790,123; Jan. 27.
Support, Material. J. L. McCosh. 1,791,735; Feb. 10.
Support means. O. J. Moehler. 1,832,041; Nov. 17.

Support, Metal door and window. C. W. Griffin. 1,808,218; June 2.
Support, Milk bottle. R. Patenge. 1,825,975; Oct. 6.
Support, Motor. E. J. Delahanty. 1,826,126; Oct. 6.
Support, Motor. I. L. Eastman. 1,831,165; Nov. 10.
Support, One-hand lid. A. P. Luker. 1,796,552; Mar. 17.
Support, One-hand lid. S. H. Wismer. 1,796,551; Mar. 17.
Support, Operating. L. M. Wilson. 1,811,036; June 23.
Support or similar article, Bottle. S. A. Marshak. Des. 85,834; Dec. 22.
Support, Outlet. H. A. Wright. 1,829,775; Nov. 3.
Support, Outlet-box. J. A. Wever. 1,789,124; Jan. 13.
Support, Pencil finger. J. Mauthe. 1,793,945; Feb. 24.
Support, Photographic film. C. O. Engstrom. 1,825,310; Sept. 29.
Support, Picture frame. C. E. Haines. 1,822,398; Sept. 8.
Support, Pipe. L. L. Barr. 1,817,798; Aug. 4.
Support, Plaster. E. S. Hall. 1,833,523; Nov. 24.
Support, Pressing-iron. H. A. Koenig. 1,797,870; Mar. 24.
Support, Radiator. A. C. Armstrong. 1,788,819; Jan. 13.
Support, Radiator. J. C. Frank. 1,794,949; Mar. 3.
Support, Radiator. E. O. Schjolin. 1,787,764; Jan. 6.
Support, Radiator. L. Washburn. 1,791,915; Feb. 10.
Support, Radio electric insulating. H. Guillou. 1,793,609; Feb. 24.
Support, Rail. B. T. Gibbs, jr. 1,789,624; Jan. 20.
Support, Recording chart. W. H. Pearce. 1,826,896; Oct. 13.
Support, Refrigerator tray. O. M. Otte. 1,828,435; Oct. 20.
Support, Return roller. F. E. Smith. 1,810,148; June 16.
Support, Roll paper. J. M. Jackson. 1,813,853; July 7.
Support, Roll stationery. R. C. Leimberger. 1,815,785; July 21.
Support, Running board. C. S. Crawford. 1,830,735; Nov. 3.
Support, Rural-mail-box. E. D. Ham. 1,792,372; Feb. 10.
Support, Rural-mail-box. P. S. Kearney. 1,794,713; Mar. 3.
Support, Screed. J. S. O'Hare. 1,790,945; Feb. 3.
Support, Seat-back. W. S. Saunders and R. Martindell. 1,791,765; Feb. 10.
Support, Shaft. F. C. Frank. 1,838,820; Dec. 29.
Support, Shaft. V. Panoff. 1,833,755; Nov. 24.
Support, Shaft. G. N. Van Derhoef. 1,825,293; Sept. 29.
Support, Shaft centering. L. C. Goad. 1,806,344; May 19.
Support, Shank. G. D. Myers. 1,823,282; Sept. 15.
Support, Shirt protecting. P. Farrelly. 1,826,206; Oct. 6.
Support, Shock absorbing. J. W. Leslie. 1,820,281; Aug. 25.
Support, Shock absorbing load. H. L. Parker. 1,803,130; Apr. 28.
Support, Shoe shank. S. Richmond. 1,823,292; Sept. 15.
Support, Shoe-shining foot. L. E. Frye. 1,795,292; Mar. 10.
Support, Signpost. H. C. Pfaff. 1,799,314; Apr. 7.
Support, Spinet lamp. A. B. McCutcheon. Des. 84,533; June 30.
Support, Spring. H. E. Churchill. 1,793,277; Feb. 17.
Support, Steering column. S. G. Baits. 1,818,031; Aug. 11.
Support, Stone polisher. C. S. Cushman. 1,818,675; Aug. 11.
Support, Switch box. A. Frank. 1,819,460; Aug. 18.
Support, Switch box. W. B. Hussar. 1,816,584; July 28.
Support, Tail wheel. R. J. Minshall. 1,813,356; July 7.
Support, Train pipe coupler. E. O. Hermann. 1,812,048; June 30.
Support, Trouser. S. L. Caple. 1,822,477; Sept. 8.
Support, Tub. W. P. Johnson. 1,790,476; Jan. 27.
Support, Tube. R. C. Smalley. 1,820,839; Aug. 25.
Support, Turbine. H. L. Guy. 1,828,407; Oct. 20.
Support, Utensil. H. Klein. 1,819,713; Aug. 18.
Support, Vehicle. M. C. Pierce. 1,810,726; June 16.
Support, Wall radiator. A. E. Davis. 1,820,560; Aug. 25.
Support, Ware. R. W. Rowland. 1,813,085; July 7.
Support, Web roll. L. A. Schmidt. 1,828,297; Oct. 20.
Support, Window-shade. J. J. Racette. 1,792,184; Feb. 10.
Support, Windshield-wiper. E. H. Burke. 1,787,893–4; Jan. 6.
Support, Wing shield. T. B. Nisbet. 1,805,341; May 12.
Support, Wire. C. H. Klein. 1,813,933; July 14.
Support, Wire. H. P. Putnam. 1,797,365; Mar. 24.
Support, Work. E. Sodergren. 1,799,607; Apr. 7.
Support, Writing pad. W. L. Deming. 1,820,184; Aug. 25.
Supporter, Abdominal. A. S. Allebach. 1,828,015; Oct. 20.
Supporter and ballet-shoe form-retainer, Toe and foot. A. L. Sothen. 1,836,624; Dec. 15.
Supporter and protector, Hose. V. Lendresse. 1,838,688; Dec. 29.
Supporter, Arch. W. J. Riley. 1,832,659; Nov. 17.
Supporter, Athletic. A. S. Callaway. 1,821,962; Sept. 8.
Supporter attachment. C. M. Sheehan. 1,831,038; Nov 10.
Supporter, Breast M. C. Middleton. 1,824,613; Sept. 22.
Supporter, Child's clothes. E. M. Swartz. 1,807,452; May 26.
Supporter, Clothesline. F. Kohl. 1,830,470; Nov. 3.
Supporter, Collar. D. T. Hutchison. 1,826,176; Oct. 6.
Supporter, Diaper. L. Hendrix. 1,822,524; Sept. 8.
Supporter, Garment. M. Alland. 1,831,618; Nov. 10.
Supporter, Garment. S. N. Coulter. 1,825,898; Oct. 6.
Supporter, Garment. S. N. Coulter. 1,833,069; Nov. 24.
Supporter, Garment. R. C. Fagan. 1,789,402; Jan. 20.
Supporter, Garment. P. Feldman and R. G. H. Cornish. 1,836,458; Dec. 15.
Supporter, Garment. C. W. Hobart. 1,787,861; Jan. 6.
Supporter, Garment. F. W. Hobart. 1,797,914; Mar. 24.
Supporter, Garment. F. J. Zimmerer and H. W. Bauer. 1,831,616; Nov. 10.
Supporter gripping device, Hose. J. M. Bodensiek. 1,835,137; Dec. 8.
Supporter, Hose. A. J. Gelow. 1,794,681; Mar. 3.
Supporter, Hose. M. Hawie. 1,824,206; Sept. 22.
Supporter, Hose. C. J. Hazelton. 1,830,698; Nov. 3.
Supporter, Hose. C. J. Hazelton. 1,832,548; Nov. 17.
Supporter, Hose. W. E. Kinser. 1,813,453; July 7.
Supporter, Hose. N. Levenson. 1,830,609; Nov. 3.
Supporter, Hose. L. M. Schneider. 1,826,368; Oct. 6.
Supporter, Hose. J. Siegel. 1,803,214; Apr. 28.
Supporter, Hose. W. Vorwerk. 1,792,133; Feb. 10.
Supporter, Hose. W. Vorwerk. 1,798,344; Mar. 31.
Supporter, Lady's hose. A. O. Hebner. 1,814,511; July 14.
Supporter, Neckwear. L. Marshall. 1,829,049; Oct. 27.
Supporter, Sock. L. Woods. 1,827,343; Oct. 13.
Supporter, Stocking. M. Darb. 1,794,001; Feb. 24.
Supporter, Trousers. O. C. Townsend. 1,830,302; Nov. 3.
Supporters, Making bust. D. H. Millman. 1,799,921; Apr. 7.
Supporting a beam from a column in construction of welded buildings, Device for. W. Reinhold. 1,813,545; July 7.
Supporting and adjusting mechanism. S. J. Lonergan. 1,800,737; Apr. 14.
Supporting and driving means for tractors. R. H. White. 1,810,635; June 16.
Supporting and handling objects, Apparatus for. J. P. Spear. 1,815,218; July 21.
Supporting and/or illuminating device. E. W. Sunkenberg. 1,795,321; Mar. 10.
Supporting and pasting mechanism, Web roll. H. V. Ball. 1,833,632; Nov. 24.
Supporting and propelling apparatus based on centrifugal power. J. De Chappedelaine. 1,802,882; Apr. 28.
Supporting and spacing means for gaseous discharge tubes. R. C. Hyde. 1,838,181; Dec. 29.
Supporting apparatus for aircraft propulsion and sustaining means. P. Maiwurm. 1,789,529; Jan. 20.
Supporting arm, Duplex flexible. C. Fischer. 1,790,500; Jan. 27.
Supporting arrangement for the running rails of high-speed suspension railways. F. Heyner. 1,788,460; Jan. 13.
Supporting articles on tires or the like, Device for. A. W. Rosen. 1,817,711; Aug. 4.
Supporting attachment for washing machines, Tub- F. Gersbacher. 1,787,819; Jan. 6.
Supporting base. C. J. Travers. 1,788,133; Jan. 6.
Supporting bed clothes, Device for. W. F. McKay. 1,835,798; Dec. 8.
Supporting bracket. P. Brankowitz. Des. 85,730; Dec. 15.
Supporting bracket. H. V. Henderson. 1,805,364; May 12.
Supporting bracket. I. Ornberg. 1,835,078; Dec. 8.
Supporting bracket. R. Peterson. 1,805,784; May 19.
Supporting bracket. J. O. Redinbaugh. 1,837,585; Dec. 22.
Supporting bracket, Curtain-rod-. J. H. Boye. 1,793,992; Feb. 24.
Supporting bracket, Curtain-rod-. V. V. Passino. 1,795,139; Mar. 3.
Supporting bracket, Drape and curtain-rod. J. H. Boye. 1,790,258; Jan. 27.
Supporting bracket, Pipe. F. Koch. 1,834,404; Dec. 1.
Supporting bracket, Reamer bar. R. Wishon. 1,838,894; Dec. 29.
Supporting bracket, Shelf attached article. F. W. Furstenberger and C. C. Deeds. 1,813,155; July 7.
Supporting collar for boring bar blades. J. Magin. 1,797,615; Mar. 24.
Supporting device. F. G. Fazekas. 1,808,647; June 2.
Supporting device. E. W. Larsen. 1,815,264; July 21.
Supporting device. A. C. McNutly. 1,832,315; Nov. 17.
Supporting device. G. T. Mott. 1,801,206–7; Apr. 14.
Supporting device, Article-. R. L. Greist. 1,800,387; Apr. 14.
Supporting device, Book. H. H. Harnsberger. 1,825,521; Sept. 29.
Supporting device, Drapery. D. R. Yiedel. 1,820,997; Sept. 1.
Supporting device, Fly-paper-. W. B. White. 1,795,984; Mar. 10.
Supporting device for brooms or similar articles. N. C. Marmon. Des. 85,835; Dec. 22.
Supporting device for electrical apparatus. L. R. Crow. 1,817,239; Aug. 4.
Supporting device for garden hose. A. H. C. Trepte. 1,803,153; Apr. 28.
Supporting device for lamps. R. B. Miner. 1,821,763; Sept. 1.
Supporting device for overhead tracks. P. L. Hoffman. 1,791,527; Feb. 10.
Supporting device for pottery. B. D. Hardesty. 1,804,980; May 12.
Supporting device, Removable sign. H. G. Thake. 1,824,578; Sept. 22.
Supporting device, Wreath and plant. I. Jablons. 1,794,076; Feb. 24.

Supporting element for electrical devices. F. H. Hubbard. 1,807,410; May 26.
Supporting elements in an electron device. R. Harding, jr. 1,822,731; Sept. 8.
Supporting means, Curtain. Z. Skowronski. 1,837,632; Dec. 22.
Supporting means for calendars. H. L. Fischer. 1,835,033; Dec. 8.
Supporting means for electric motors. C. L. Kennedy. 1,798,846; Mar. 31.
Supporting means for flexible tubing. H. J. Hensey, jr., and D. B. Mikesell. 1,838,623; Dec. 29.
Supporting means for hanger doors. D. E. Willard. 1,809,093; June 9.
Supporting means for hosiery, etc. A. C. Grasham. 1,829,086; Oct. 27.
Supporting means for spring suspension devices for vehicles. E. J. Pilblad. 1,822,235; Sept. 8.
Supporting means for Venetian blinds. J. K. Heymer. 1,822,890; Sept. 15.
Supporting means for windows and the like, Curtain. G. W. Dover. 1,836,016; Dec. 15.
Supporting means, Printing couple. A. W. Wood. 1,824,584; Sept. 22.
Supporting means, Shade roller. E. C. Cobabe. 1,833,561; Nov. 24.
Supporting mechanism for straightening rolls of plate straightening machines, Adjustable. F. Ungerer. 1,822,119; Sept. 8.
Supporting post, Insulator. C. P. Seyler. 1,807,878; June 2.
Supporting post, Portable. F. Heinel. 1,833,463; Nov. 24.
Supporting stand, frozen-product-machine. E. D. Kohr. Des. 83,622; Mar. 10.
Supporting structure. L. I. Beckwith. 1,801,993; Apr. 21.
Supporting structure. E. J. Delahanty. 1,835,698; Dec. 8.
Supporting structure. I. A. Eakins. 1,831,486; Nov. 10.
Supporting structure. W. Greim. 1,809,272; June 9.
Supporting structure. A. A. Thomas. 1,826,843; Oct. 13.
Supporting structure for eaves of tents. B. H. Brooks. 1,827,729; Oct. 20.
Supporting structure for fruit pickers. R. Barker. 1,823,385; Sept. 15.
Supporting structures in a state of equilibrium at varying distances from the supporting centers, Device for maintaining. A. A. Morton. 1,833,432; Nov. 24.
Supporting sucker rod and pump lines. J. C. Stokes. 1,810,303; June 16.
Supporting the operating mechanism for windshields. W. Marshall. 1,818,636; Aug. 11.
Supports for shoes, Process and apparatus for manufacturing anatomically accurate individual foot. F. Hess. 1,826,783; Oct. 13.
Suppressor, Telephone echo. A. B. Clark. 1,821,928; Sept. 8.
Surface coloration of bodies. C. Batcheller. 1,798,997; Mar. 31.
Surface coloration of bodies. C. Batcheller. 1,798,999; Mar. 31.
Surface-coloring bodies. C. Batcheller. 1,798,996; Mar. 31.
Surface conditioner. H. Egli. 1,814,028; July 14.
Surface dressing machine. J. L. Schwabe, jr. 1,818,361; Aug. 11.
Surface finishing machine. A. N. Emmons. 1,803,549; May 5.
Surface markings, Block and road. D. B. Davies and W. D. Griffiths. 1,821,052; Sept. 1.
Surface on stone, Producing a contoured. E. A. Chase. 1,803,891; May 5.
Surface ornamentation and executing the same. H. S. Humphreys. 1,800,732; Apr. 14.
Surface protector, Wall-. L. F. Tombler. 1,796,226; Mar. 10.
Surface treatment of articles made of synthetic corundum. H. Espig and W. Teubner. 1,806,589; May 26.
Surfacing machine. E. O. Norris. 1,808,732; June 2.
Surfaces, Apparatus for machining. M. L. Turner. 1,832,923; Nov. 24.
Surfaces, Apparatus for marking or scoring. A. J. Neafie. 1,805,148; May 12.
Surfaces, Apparatus for turning inclined. B. N. Wallis. 1,805,964; May 19.
Surfaces by transfer to certain materials, Simulation of natural. F. C. Close. 1,832,531; Nov. 17.
Surfaces, Device for grinding external cylindrical. M. C. Hutto. 1,827,789; Oct. 20.
Surfaces, Ornamenting. A. J. Cade. 1,829,262; Oct. 27.
Surfaces, Ornamenting. J. E. George. 1,832,199; Nov. 17.
Surfaces, Treatment of metallic. W. P. ter Horst. 1,836,050; Dec. 15.
Surfacing machine. J. H. Fox and W. Owen. 1,833,359–60; Nov. 24.
Surge recorder. J. W. Legg. 1,792,314; Feb. 10.
Surge recorder. J. W. Legg. 1,801,775; Apr. 21.
Surgical apparatus. E. A. Hamlin. 1,821,435; Sept. 1.
Surgical appliance. A. T. Johnson. 1,837,872; Dec. 22.
Surgical appliance. G. E. Loeble. 1,809,558; June 9.
Surgical appliance. G. D. Thévenot. 1,835,122; Dec. 8.
Surgical cutting device, High-frequency. F. C. Wappler. 1,787,709; Jan. 6.
Surgical instrument. A. C. Balinski and E. Mahoney. 1,813,693; July 7.
Surgical instrument. M. N. Hyams. 1,794,296; Feb. 24.
Surgical instrument. C. R. Meitzler. 1,817,417; Aug. 4.
Surgical instrument. E. M. Raney. 1,798,902; Mar. 31.
Surgical instrument. L. K. Wright and W. P. MacLeod. 1831,280; Nov. 10.
Surgical instrument for implanting capillary seeds containing radium emanation. J. Muir. 1,789,766–7; Jan. 20.
Surgical outfit. H. A. Whiteside. 1,836,350; Dec. 15.
Surgical snare. H. Neivert. 1,833,687; Nov. 24.
Surgical splint. J. J. Ettinger. 1,823,972; Sept. 22.
Surgical splint. R. D. Foulke. 1,797,057; Mar. 17.
Surgical splint. J. R. Siebrandt. 1,817,212; Aug. 4.
Surgical splint. R. H. Thigpen. 1,837,691; Dec. 22.
Surgical table. R. E. Ferguson. 1,822,206; Sept. 8.
Surveying instrument. E. W. Arms. 1,837,313; Dec. 22.
Suspender. N. McCulloch. 1,823,369; Sept. 15.
Suspender loop, Resilient metallic. L. W. Joyce. 1,804,259; May 5.
Suspenders. W. J. Ellis. 1,839,143; Dec. 29.
Suspenders. J. Jacobs. 1,829,518; Oct. 27.
Suspenders. C. L. Meyer. 1,806,909; May 26.
Suspenders. M. B. Scott. 1,821,239; Sept. 1.
Suspenders for socks or the like articles of hosiery. G. Hohn. 1,802,312; Apr. 21.
Suspenders, Manufacture of. L. W. Joyce. 1,827,017; Oct. 13.
Suspenders, Securing device for. A. Lenief. 1,832,566; Nov. 17.
Suspending device. W. H. Rose. 1,838,156; Dec. 29.
Suspending device for conducting cables. J. W. Hofmann. 1,817,313; Aug. 4.
Suspension. L. I. Shaw. 1,806,183; May 19.
Suspension clamp. E. A. Mack. 1,827,325; Oct. 13.
Suspension clamp. F. H. Miller. 1,793,505; Feb. 24.
Suspension clamp. F. H. Miller. 1,801,779–80; Apr. 21.
Suspension clamp. F. H. Miller. 1,810,053; June 16.
Suspension device. C. Jurkovich. 1,793,405; Feb. 17.
Suspension device. G. T. Mott. 1,819,754; Aug. 18.
Suspension device. C. E. Pedersen. 1,832,239; Nov. 17.
Suspension device. H. L. Walker. 1,789,484; Jan. 20.
Suspension device. O. Werner. 1,817,540; Aug. 4.
Suspension device for equalizing the strain on elevator cables. J. E. Evans. 1,830,988; Nov. 10.
Suspension device for equalizing the strain on elevator cables. J. E. Evans. 1,835,032; Dec. 8.
Suspension device for fire extinguishers. G. Quitschalle. 1831,193; Nov. 10.
Suspension, Drop. W. R. Pounder. 1,832,138; Nov. 17.
Suspension for overhead contact lines for electric railways, tramways, etc., Longitudinal. L. Pontecorvo. 1,831,685; Nov. 10.
Suspension for track laying vehicles. H. A. Knox. 1,824,086; Sept. 22.
Suspensory device for artificial legs. G. W. Huhnerkoch. 1,788,915; Jan. 13.
Sustaining device with regulators. E. Oehmichen. 1,800,470; Apr. 14.
Suturing instrument. G. Ainslie. 1,822,330; Sept. 8.
Swab and unloader. S. V. Dillon. 1,792,898; Feb. 17.
Swab, Fluid operated. H. W. Fletcher. 1,836,842; Dec. 15.
Swab, Fluid pressure operated. H. W. Fletcher. 1,836,912; Dec. 15.
Swab, Fluid pressure operated. N. H. Ricker. 1,836,874–5; Dec. 15.
Swab for tapered tubing. A. L. Segelhorst and H. S. Berkey. 1,793,644; Feb. 24.
Swab for well-drilling apparatus. B. E. Parrish. 1,788,738; Jan. 13.
Swab making machine. L. Mir. 1,815,478; July 21.
Swab, Pneumatic. H. W. Fletcher. 1,836,843; Dec. 15.
Swab, Pneumatic. N. H. Ricker. 1,836,876–7; Dec. 15.
Swab, Pneumatic discharge. H. W. Fletcher. 1,833,778; Nov. 24.
Swab, Well pumping. N. H. Ricker. 1,836,871; Dec. 15.
Swage shaper. D. E. Gommel. 1,799,623; Apr. 7.
Swaging apparatus. J. A. Lewis and E. K. Holmes. 1,816,488; July 28.
Swaging press. F. C. Montuori. 1,794,197; Feb. 24.
Swaging roll, Self feeding. E. W. Stoler. 1,816,940; Aug. 4.
Swather. B. S. Harris and H. M. Johnston. 1,792,691; Feb. 17.
Sweatband. S. J. Palinkos. 1,814,057; July 14.
Sweatband for hats. B. Reichelt. 1,804,546; May 12.
Sweater. A. M. Lowenthal. 1,802,029; Apr. 21.
Sweater or article of similar nature. A. Egerer. Des. 84,135–7; May 12.
Sweeper and the like, Carpet. W. Gillooly. 1,800,287; Apr. 14.
Sweeper, Carpet. I. J. Owen. 1,830,443; Nov. 3.
Sweeper, Carpet. W. E. Sherbondy. 1,808,323; June 2.
Sweeper, Carpet. E. R. Smith. 1,813,325; July 7.
Sweeper, Carpet. W. Townley. 1,834,356; Dec. 1.
Sweeper construction, Street-. R. C. Evans. 1,800,824; Apr. 14.
Sweeper mechanism, Carpet-. F. W. Pullen. 1,800,958; Apr. 14.
Sweeper, Suction. M. E. Nulsen and B. J. Buchtel. 1,815,067; July 21.
Sweeper, Suction. D. G. Smellie, H. B. White, and M. E. Nulsen. 1,829,548; Oct. 27.

Sweeper, Vacuum. J. Brasty. 1,805,203; May 12.
Sweep rake. C. Pearson. 1,838,441; Dec. 29.
Swimming apparatus. J. Leblanc. 1,821,974; Sept. 8.
Swimming, Apparatus to assist in the art of. R. G. Cole. 1,803,095; Apr. 28.
Swimming appliance. K. Knudsen. 1,793,937; Feb. 24.
Swimming appliance. C. G. Rentos. 1,832,998; Nov. 24.
Swimming device. C. F. Glaeser. 1,822,966; Sept. 15.
Swimming device. P. Lamprecht. 1,829,868; Nov. 3.
Swimming device. S. A. Reeve. 1,792,605; Feb. 17.
Swimming, etc., Assisting persons in. A. Christianson. 1,788,013; Jan. 6.
Swimming system. J. W. Lippincott. 1,796,291; Mar. 17.
Swing. H. H. Grubb. 1,812,947; July 7.
Swing. H. F. Hoffman. 1,825,457; Sept. 29.
Swing construction. J. C. Campbell. 1,810,595; June 16.
Swing hanger, Adjustable. P. Cobb. 1,815,185; July 21.
Swing, Lawn. E. L. Weaver. Des. 83,587; Mar. 3.
Swing, Lawn. E. L. Weaver. 1,802,365; Apr. 28.
Swing-rail switch. W. E. McEldowney. 1,827,158; Oct. 13.
Swinging joint. P. Nachtsheim. 1,830,711; Nov. 3.
Swinging margin bar. W. K. Moll. 1,827,760; Oct. 20.
Swings, Holding support for baby. E. O. Goudeau. 1,806,454; May 19.
Switch: *See*—
Aeroplane control switch.
Air-break switch.
Alarm switch.
Alarm time switch.
Anticapacity switch.
Arm signal switch.
Automatic cut-off switch.
Automatic rewind switch.
Automatic switch
Auxiliary switch.
Board switch.
Centrifugal switch.
Clock controlled switch.
Compensator switch.
Concussion switch.
Connecter switch.
Contact switch.
Control switch.
Conveyer switch.
Curved switch.
Cut-out switch.
Deflecting switch.
Diaphragm operated switch
Disappearing blade switch.
Discharge tube switch.
Disconnected switch.
Disconnecting switch.
Distribution switch.
Dual-controlled switch.
Electric air-brake switch.
Electric liquid flow switch.
Electric snap switch.
Electric switch.
Electrical switch.
Electromagnetic switch.
Enclosed fuse switch.
Enclosed switch.
Film controlled switch.
Flashlight switch.
Float switch.
Foot controlled switch.
Frequency changing switch
Gauge switch.
Governor switch.
Handle switch.
High potential switch.
High-tension switch.
High voltage switch.
Hospital switch.
Indicator switch.
Instrument test switch.
Ignition switch.
Jack switch.
Knife switch.
Knock out switch.
Lamp switch.
Light and signal switch.
Light switch.
Liquid-flow switch.
Link switch.
Lock switch.
Lockout switch.
Magnetically operated switch.
Mail box switch.
Mercury switch.
Mercury-tube switch.
Meter testing switch
Motor switch.
Nozzle controlled switch.
Oil switch.
Plug switch.
Pneumatic switch.
Polarized switch.
Pressure actuated switch.
Pressure-operated switch.
Pressure switch.
Rail switch.
Railroad switch.
Railway switch.
Reversing switch.
Rocking arm switch.
Rotary switch.
Safety switch.
Selector switch.
Short circuiting switch.
Signal switch.
Signaling switch.
Slip switch.
Snap switch.
Spotlight switch.
Starter switch.
Starting switch.
Steering column switch.
Strain type disconnecting switch.
Swing rail switch.
Synchronizing switch.
Tap switch.
Test switch
Thermally-responsive switch.
Thermoelectric switch.
Thermostat switch
Thermostatic switch.
Thermostatically-controlled switch.
Time controlled switch.
Time switch.
Toggle switch.
Traffic signal switch.
Transfer switch.
Trolley switch.
Tumbler switch.
Turn-out switch.
Vacuum type switch.
Weight-operated switch.
Switch. A. Alsaker. 1,815,392; July 21.
Switch. A. Alsaker and M. Skau. 1,815,282–3; July 21.
Switch. E. Blomquist. 1,839,080; Dec. 29.
Switch. L. P. Boll and T. Birkmaier. 1,787,772; Jan. 6.
Switch. F. D. F. Brand. 1,801,303; Apr. 21.
Switch. B. N. Brunberg. 1,825,260; Sept. 29.
Switch. J. D. Burkholder. 1,800,598; Apr. 14.
Switch. P. T. Calamari. 1,811,714; June 23.
Switch. M. P. Chaplin. 1,819,675; Aug. 18.
Switch. C. Christensen. 1,826,734; Oct. 13.
Switch. A. Croft. 1,835,696; Dec. 8.
Switch. H. D. Dawson. 1,835,019; Dec. 8.
Switch. H. M. Denyes. 1,798,931; Mar. 31.
Switch. J. J. Desmond. 1,796,361; Mar. 17.
Switch. R. Dunn. 1,800,137; Apr. 7.
Switch. G. F. Egan. 1,789,865; Jan. 20.
Switch. F. J. Fischer. 1,829,893; Nov. 3.
Switch. R. E. Fleek. 1,807,398; May 26.
Switch. J. Geloso. 1,811,498; June 23.
Switch. W. O. Hampton and E. J. Thompson. 1,793,797; Feb. 24.
Switch. L. C. Hart. 1,829,349; Oct. 27.
Switch. S. Held. 1,818,132; Aug. 11.
Switch. C. E. Ives. 1,838,944; Dec. 29.
Switch. E. N. Jacobi. 1,789,952; Jan. 20.
Switch. E. N. Jacobi. 1,795,950; Mar. 10.
Switch. E. N. Jacobi. 1,835,780; Dec. 8.
Switch. J. P. Kesler. 1,795,257; Mar. 3.
Switch. C. E. L. Lipman. 1,834,217; Dec. 1.
Switch. L. Mayer. 1,822,161; Sept. 8.
Switch. R. E. McGee. 1,822,706; Sept. 8.
Switch. L. F. Meunier and C. J. Dresser. 1,817,013; Aug. 4.
Switch. H. R. Miller. 1,831,604; Nov. 10.
Switch. J. F. Nenzel. 1,815,577; July 21.
Switch. H. E. Norviel. 1,800,469; Apr. 14.
Switch. H. E. Norviel. 1,828,433; Oct. 20.
Switch. J. A. Obermaier. 1,798,896; Mar. 31.
Switch. M. J. Pate. 1,809,527; June 9.
Switch. J. Rah. 1,833,176; Nov. 24.
Switch. M. H. Rhodes. 1,795,969; Mar. 10.
Switch. C. H. H. Rodanet. 1,814,337; July 14.
Switch. C. C. Runner. 1,829,610; Oct. 27.
Switch. A. G. Steinmayer. 1,789,991; Jan. 27.
Switch. A. G. Steinmayer and W. E. Krueger. 1,834,984; Dec. 8.
Switch. S. M. Viele. 1,815,637; July 21.
Switch. F. G. Von Hoorn. 1,820,683; Aug. 25.
Switch. L. M. Wiley. 1,801,297; Apr. 21.
Switch. C. E. Wilson. 1,820,264; Aug. 25.
Switch actuating mechanism, Electric. A. C. Durdin, jr. 1,811,458; June 23.
Switch and arc extinguishing method, Electric. T. T. Greenwood. 1,825,228; Sept. 29.
Switch and arcing members therefor, Electric. T. T. Greenwood. 1,837,812; Dec. 22.
Switch and condenser, Electric. G. E. Jansson. 1,828,840; Oct. 27.
Switch and contact structure, Electric. T. T. Greenwood. 1,827,430; Oct. 13.
Switch and contact structure therefor, Electric. W. R. Mann. 1,816,052; July 28.
Switch and contact structure therefor, Electric. O. S. Everett. 1,832,897; Nov. 24.
Switch and control therefor, Runway. H. W. Lindgren. 1,806,879; May 26.
Switch and fuse box. J. C. Lewis. 1,821,224; Sept. 1.
Switch and fuse box. J. C. Lewis. 1,835,228; Dec. 8.
Switch and making the same, Knife blade. C. Schuster. 1,826,225; Oct. 6.
Switch and mounting the same, Lamp-socket. V. R. Despard. 1,793,422; Feb. 17.
Switch and operating mechanism therefor, Multipole electric. H. P. Pinkham. 1,825,159; Sept. 29.
Switch and seat operating means, Combined. O. H. Van Amburg and G. W. Lieberum. 1,809,651; June 9.
Switch and service box, Entrance. J. C. Lewis. 1,808,173; June 2.
Switch and terminal block, Combined. W. A. Wulle. 1,818,290; Aug. 11.
Switch and terminal therefor, Electric. H. P. Pinkham. 1,834,178; Dec. 1.
Switch and undervoltage protective device, Electric. G. W. O'Keeffe. 1,837,830; Dec. 22.
Switch and vacuum cut-out mechanism for can-body machines, Automatic. M. B. Troyer. 1,800,181; Apr. 14.
Switch apparatus, Railway. W. M. Gray. 1,814,307; July 14.
Switch apparatus, Railway. J. T. McGarry. 1,814,323; July 14.
Switch assembly, Horn-button. H. M. Denyes. 1,791,525; Feb. 10.
Switch barrel and the like and method for its manufacture. R. K. Winning. 1,809,369; June 9.
Switchboard. C. L. Calkins. 1,795,930; Mar. 10.
Switchboard signal system. G. W. Janson. 1,814,931; July 14.
Switch box. R. M. Holmes. 1,824,548; Sept. 22.
Switch box. J. E. Mair. 1,808,050; June 2.
Switch box. J. Morgenstern. 1,814,449; July 14.
Switch-box and attaching means therefor, Automobile stop-signal. A. R. P. Jonhson. 1,787,729; Jan. 6.
Switch box, Electric. H. Conzelmann. 1,795,010; Mar. 3.
Switch box for automatic generating plants. A. F. Brotz. 1,808,883; June 9.
Switch cam, Automatic. J. Lucas. 1,814,757; July 14.
Switch cell structure, Electric. T. H. Soren. 1,809,735; June 9.
Switch circuit, Rotary line. H. Adams. 1,803,452; May 5.
Switch construction, Elevator treadle. M. Farch. 1,802,143; Apr. 21.
Switch construction, Push button. K. Knudsen. 1,813,407; July 7.
Switch, contact carrier and actuator, Ignition. R. K. Winning. 1,809,368; June 9.
Switch contact, Electric-. H. O. Engstrom. 1,797,948; Mar. 24.
Switch contact, Electric. T. R. Martin. 1,827,533; Oct. 13.
Switch contacts, Making electrical. H. O. Siegmund. 1,837,238; Dec. 22.
Switch-control apparatus, Railway-. J. J. Meadows. 1,789,108; Jan. 13.

Switch control, Automatic. H. W. Martin. 1,796,953; Mar. 17.
Switch control for vehicle signal lights, Automatic. C. H. Hemstock. 1,794,852; Mar. 3.
Switch control mechanism. Thermostatic. W. B. Bronander. 1,819,834; Aug. 18.
Switch control, Refrigerating apparatus. O. M. Summers. 1,819,979; Aug. 18.
Switch controlling apparatus, Railway. C. A. Brooks and H. S. Young. 1,810,124; June 16.
Switch controlling apparatus, Railway. H. S. Young. 1,832,520; Nov. 17.
Switch-controlling apparatus, Track-. W. Schmitz. 1,799,193; Apr. 7.
Switch controlling mechanism. J. Mettler. 1,829,364; Oct. 27.
Switch crane. E. M. Bentley. 1,798,581; Mar. 31.
Switch device, Electrical. W. A. Norris. 1,837,281; Dec. 22.
Switch device for incubators. C. A. Cyphers. 1,798,835; Mar. 31.
Switch for automobile engines, Starting. C. T. Mansur. 1,815,415; July 21.
Switch for automobiles, Electric. A. J. Baker and E. E. Huntington. 1,809,100; June 9.
Switch for automobiles, Manually controlled. W. H. Collier. 1,832,857; Nov. 24.
Switch for automobiles, Signal. E. C. Schmelzkopf. 1,792,713; Feb. 17.
Switch for automobiles, Starting. J. D. Sutherland. 1,799,873; Apr. 7.
Switch for cash registers, Speed control. M. M. Goldberg. 1,819,088; Aug. 18.
Switch for combination dish washer and sink, Start and stop. F. G. Brotz. 1,819,355; Aug. 18.
Switch for direction signals. W. T. Rooney. 1,808,683; June 2.
Switch for electric currents, Friction. G. H. Whittingham. 1,802,691; Apr. 28.
Switch for electric lamps. F. E. Johnson. 1,810,480; June 16.
Switch for electrical devices. V. De Ponte. 1,796,591; Mar. 17.
Switch for electrically-heated elements, Fusible. W. S. Marvin and C. L. Sibenhorn. 1,795,873; Mar. 10.
Switch for indicating devices. L. S. Brach. 1,834,934; Dec. 8.
Switch for locomotives and the like, Cab. C. W. Dake and W. A. Wulle. 1,801,624; Apr. 21.
Switch for magnetic chucks, Electric. H. E. Tracy. 1,837,693; Dec. 22.
Switch for metering devices, Electric. E. H. Thompson. 1,808,387; June 2.
Switch for motor vehicles, Signal. H. L. Furr. 1,807,285; May 26.
Switch for oil burners, Safety. C. L. Rayfield. 1,790,246; Jan. 27.
Switch for radioreceivers, Time-controlled. J. Skarbek. 1,799,331; Apr. 7.
Switch for self-winding clocks and the like, Rotary time. U. L. Sundblad. 1,794,993; Mar. 3.
Switch for signal systems, Call. W. P. Crockett. 1,794,000; Feb. 24.
Switch for signaling systems. B. L. Bobroff. 1,825,991; Oct. 6.
Switch for signaling systems. B. L. Bobroff. 1,829,037; Oct. 27.
Switch for telephone systems. J. Savin and R. E. Boyd. 1,796,402; Mar. 17.
Switch for telephones, Automatic. M. Fujita. 1,835,385; Dec. 8.
Switch for the control of light signals. W. R. McKerlie. 1,794,193; Feb. 24.
Switch for trolley lines, Signal. P. J. Murphy. 1,813,634; July 7.
Switch for use in telephone or like, systems, Automatic. S. R. Smith and J. E. Ostline. 1,830,138; Nov. 3.
Switch for use on automobiles, Signal. H. C. Varner and J. M. Koch. 1,823,809; Sept. 15.
Switch for vehicles, Automatic signal. R. J. Pierson. 1,790,511; Jan. 27.
Switch for vehicles, Electrical control. E. and M. F. Haynsworth. 1,802,647; Apr. 28.
Switch gear, Electric. A. Allan and J. Mirrey. 1,800,042; Apr. 7.
Switch handle attaching means. J. J. Dante. 1,834,939; Dec. 8.
Switch heating system, Railway. A. F. Schumann. 1,803,358; May 5.
Switch house, Outdoor. M. B. Wood. 1,816,034; July 28.
Switch housing, Flow indicator. H. E. Noren. 1,830,673; Nov. 3.
Switch in oil burning equipments, Electrical. O. A. Fogarty. 1,806,937; May 26.
Switch lock. H. B. Austin. 1,829,329; Oct. 27.
Switch lock. C. Christensen. 1,826,733; Oct. 13.
Switch lubricator, Rotary. J. P. Brugger. 1,798,450; Mar. 31.
Switch machine. W. K. Howe. 1,789,275; Jan. 13.
Switch machine. W. K. Howe. 1,794,620; Mar. 3.
Switch machine. H. B. Taylor. 1,794,562; Mar. 3.
Switch machine for railroads. W. K. Howe. 1,794,621; Mar. 3.
Switch machine for railroads. W. K. Howe. 1,824,152; Sept. 22.
Switch, Means for indicating the position of a connecter. M. Schleicher and L. Brandenburger. 1,805,999; May 19.
Switch mechanism. J. M. Brown. 1,804,590; May 12.
Switch mechanism. J. M. Brown. 1,810,694; June 16.
Switch mechanism. J. M. Brown. 1,820,691; Aug. 25.
Switch mechanism. J. M. Brown. 1,835,590; Dec. 8.
Switch mechanism. D. R. Davies. 1,828,522; Oct. 20.
Switch mechanism. O. S. Jennings. 1,801,866; Apr. 21.
Switch mechanism. O. S. Jennings. 1,820,704; Aug. 25.
Switch mechanism. R. P. Lansing. 1,803,908; May 5.
Switch mechanism. W. Lindsay. 1,835,116; Dec. 8.
Switch mechanism. A. L. Rubel. 1,831,368; Nov. 10.
Switch mechanism. W. H. Schramm. 1,794,924; Mar. 3.
Switch mechanism. W. H. Schramm. 1,799,990; Apr. 7.
Switch mechanism. G. C. Sinclair and J. M. Brown. 1,790,116; Jan. 27.
Switch mechanism. E. Walper. 1,801,826; Apr. 21.
Switch mechanism, Automatic starter. A. C. Danner. 1,791,614; Feb. 10.
Switch mechanism, Control. L. O. French. 1,812,647; June 30.
Switch mechanism, Electric. I. E. McCabe. 1,834,288; Dec. 1.
Switch mechanism, Electric pull. W. C. Tregoning. 1,815,172; July 21.
Switch mechanism for calculating machines. F. Masch. 1,837,785; Dec. 22.
Switch mechanism for electrical hoists, Upper and lower limit. W. A. Hummel. 1,788, 302; Jan. 6.
Switch mechanism, Friction. G. H. Whittingham. Re18,238; Oct. 27.
Switch mechanism, Friction. G. H. Whittingham. 1,806,377; May 19.
Switch mechanism, Fusible. G. E. Wadsworth. 1,804,724; May 12.
Switch mechanism, General utility. I. E. McCabe. 1,824,612; Sept. 22.
Switch mechanism, Pull chain snap. W. C. Tregoning. 1,815,173; July 21.
Switch mechanism, Quick-break. J. Sachs. 1,799,181; Apr. 7.
Switch mechanism, Railway. J. E. Conley. 1,802,875; Apr. 28.
Switch mechanism, Railway-. W. L. Whittington. 1,795,585; Mar. 10.
Switch mechanism, Ratchet device for. J. Erickson. 1,801,338; Apr. 21.
Switch mechanism, Slip-. G. H. Whittingham. 1,791,458; Feb. 3.
Switch mechanism, Thermostatically operated. G. H. Hart. 1,823,099; Sept. 15.
Switch member, Auxiliary. W. F. Dehuff. 1,797,466; Mar. 24.
Switch of the tumbler type, Electric. J. B. Tucker. 1,838,239; Dec. 29.
Switch operating and controlling mechanism. W. K. Rankin. 1,810,624; June 16.
Switch-operating apparatus, Railway-. J. P. Coleman. 1,789,894; Jan. 20.
Switch-operating apparatus, Railway-. C. W. Dalzell and E. G. Little. 1,796,323; Mar. 17.
Switch operating apparatus, Railway. G. V. Jefferson and E. G. Little. 1,833,679; Nov. 24.
Switch operating apparatus, Railway. W. C. McWhirter. 1,820,756; Aug. 25.
Switch operating apparatus, Railway. W. C. McWhirter. 1,830,803; Nov. 10.
Switch operating device. R. Popp. 1,806,821; May 26.
Switch operating device, Automatic rail. J. Boyko. 1,810,892; June 23.
Switch operating device, Pressure actuated. I. E. McCabe. 1,817,634; Aug. 4.
Switch operating mechanism. A. Alsaker and E. Nordhem. 1,817,904; Aug. 11.
Switch-operating mechanism. E. S. Bossler. 1,787,663; Jan. 6.
Switch operating mechanism. R. H. Olley. 1,812,896; July 7.
Switch operating mechanism. R. H. Olley. 1,821,026; Sept. 1.
Switch operating mechanism. G. Pailin. 1,816,789; July 28.
Switch-operating mechanism. J. H. Pilks. 1,792,416; Feb. 10.
Switch operating mechanism. C. Thumim. 1,827,626; Oct. 13.
Switch-operating mechanism, Electric-. C. B. Larzelere and H. J. Huber. 1,797,959; Mar. 24.
Switch operating mechanism, Electric. L. S. Walle. 1,818,832; Aug. 11.
Switch operating mechanism, Railway. G. Manzoli. 1,819,473; Aug. 18.
Switch or commutating means. F. Gray. 1,812,828; June 30.
Switch particularly for electric sad-iron and similar devices, Control. L. Reichold. 1,822,315; Sept. 8.
Switch plate. S. V. Flagler. 1,816,803; July 28.
Switch point construction. O. A. Dickson. 1,820,603; Aug. 25.
Switch point, Multi-angular. D. E. Anderson. 1,812,644; June 30.

Switch point protector. I. J. Kilburn. 1,803,904; May 5.
Switch reclosing mechanism, Power driven automatic. C. E. Schnell and E. K. Sadler. 1,835,343; Dec. 8.
Switch stand. W. M. Gray. 1,811,830; June 23.
Switch stand. C. F. Jones. 1,798,089; Mar. 24.
Switch stand, J. Kieren. 1,798,682; Mar. 31.
Switch stand. J. B. Strong, P. Hoffman, and W. Perdue. 1,798,867; Mar. 31.
Switch stand dog, Railroad. P. Swanson. 1,835,442; Dec. 8.
Switch stand for railroads, Parallel-throw spring-lock. C. S. Card. 1,790,795; Feb. 3.
Switch stand lock. P. Swanson. 1,812,179; June 30.
Switch structure. G. S. Florus. 1,823,826; Sept. 15.
Switch structure. P. R. Forman. 1,832,624; Nov. 17.
Switch structure, Split. A. Enstrom. 1,818,885; Aug. 11.
Switch structure with unit control. M. E. Henning. 1,796,101; Mar. 10.
Switch—surface type, Snap. C. M. Petersen. 1,801,173; Apr. 14.
Switch timer, Double acting. R. D. Smith. 1,810,187; June 16.
Switch throwing device. J. L. Milton. 1,825,469; Sept. 29.
Switch with magnetic blow-outs. O. Zingg. 1,799,720; Apr. 7.
Switches, Apparatus for controlling railway. D. F. Coburn. 1,797,327; Mar. 24.
Switches, Closing mechanism for electric. J. D. Wood. 1,835,738; Dec. 8.
Switches. Fluid-operated mechanism for railway. W. S. Eppley. 1,789,621; Jan. 20.
Switches, System for controlling electric. G. Maurer. 1,824,828; Sept. 29.
Switching apparatus, Electric. J. A. Auringer. 1,797,936; Mar. 24.
Switching apparatus, Electric. M. C. Hunter and F. L. Fletcher. 1,837,968; Dec. 22.
Switching apparatus, Isolated-phase-. M. B. Wood. 1,790,689; Feb. 3.
Switching arrangement for automatic and semiautomatic telephone systems. G. Deakin and L. Polinkowsky. 1,830,935; Nov. 10.
Switching arrangement, Interlocking. C. W. Hansell. 1,800,525; Apr. 14.
Switching device. H. J. L. Frank and P. S. Jenkins. 1,825,267; Sept. 29.
Switching device. F. A. Hinshaw. 1,792,496; Feb. 17.
Switching device. S. T. Quilliam. 1,817,206; Aug. 4.
Switching device, Electric. H. G. French. 1,791,446; Feb. 3.
Switching device, Electrical. G. N. Hughes. 1,793,402; Feb. 17.
Switching device, Electrical. W. T. Wintringham. 1,824,857; Sept. 29.
Switching device for electric phonographs, Automatic. A. N. Goldsmith. 1,816,577; July 28.
Switching device for radio and phonograph combinations. M. B. Long. 1,811,856; June 30.
Switching equipment, Automatic. H. T. Seeley. 1,791,327; Feb. 3.
Switching equipment controlling high-voltage distributing lines. A. Kuhns and F. Kesselring. 1,824,903; Sept. 29.
Switching in the high frequency machine to frequency transformers, Arrangement for. R. Herzog. 1,830,758; Nov. 10.
Switching means controllable from engine cabs. W. S. Henry. 1,824,139; Sept. 22.
Switching mechanism, Electrical. C. F. Capell. 1,800,053; Apr. 7.
Switching station. H. Probst. 1,815,797; July 21.
Switching system. E. E. Jacobitti. 1,799,798; Apr. 7.
Switching system, Automatic. W. N. Gittings and H. T. Seeley. 1,808,543; June 2.
Swivel. L. J. Black. 1,821,874; Sept. 1.
Swivel. C. A. Hansen. 1,791,127; Feb. 3.
Swivel connection for electric cables and the like. C. G. Baker. 1,821,132; Sept. 1.
Swivel coupling. H. W. Shonnard. 1,805,956; May 19.
Swivel hanger. R. N. Riblet. 1,791,904; Feb. 10.
Swivel hook. C. V. Koons. 1,806,469; May 19.
Synchronism and automatic phase correction, Method and apparatus for. W. F. Funk and E. T. Kruglak. 1,812,778; June 30.
Synchronism system. C. R. Blum. 1,831,735; Nov. 10.
Synchronizer, Automatic. F. H. Gulliksen. 1,798,668; Mar. 31.
Synchronizer, Automatic. F. H. Gulliksen. 1,798,669; Mar. 31.
Synchronizer, Automatic. E. Pearson. 1,820,319; Aug. 25.
Synchronizer, Cone gear. H. J. Murray. 1,822,107; Sept. 8.
Synchronizer device. H. J. Murray. 1,828,508; Oct. 20.
Synchronizer for rotary devices. A. F. Connery. 1,821,497; Sept. 1.
Synchronizers, Automatic release for gear. H. J. Murray. 1,803,535; May 5.
Synchronizing apparatus. J. Yuyama. 1,791,395; Feb. 3.
Synchronizing device. E. H. Lorenz. 1,801,355; Apr. 21.
Synchronizing device. A. Jipp. 1,824,999; Sept. 29.
Synchronizing means for motion picture projectors and sound reproducing mechanisms. C. W. Ebling. 1,834,270; Dec. 1.
Synchronizing means for time measuring mechanism. O. Hess. 1,829,398; Oct. 27.
Synchronizing switch. G. E. Jansson. 1,825,150; Sept. 29.
Synchronizing system. A. F. Connery. 1,830,932; Nov. 10.
Synchronizing system. C. I. Hall. 1,834,340; Dec. 1.
Synchronizing system. J. Herrmann. 1,830,546; Nov. 3.
Synchronizing system. J. W. Horton. 1,808,923; June 9.
Synchronizing system. A. Karolus. 1,802,470; Apr. 28.
Synchronoscope. F. H. Bowman, E. Lynch, and D. R. Price. 1,818,787; Aug. 11.
Synchronous motor. J. K. Kostko. 1,811,136; June 23.
Synchronous motor. N. E. Methlin. 1,807,001; May 26.
Synchronous motor. L. W. Riggs. 1,828,578; Oct. 20.
Synchronous motor, Self-starting. E. C. Ballman. 1,789,294; Jan. 20.
Synchronous motor, Self starting. P. P. Horni. 1,818,330; Aug. 11.
Synthesis, Apparatus for effecting. R. Williams. 1,809,291; June 9.
Synthesis, Method of and apparatus for effecting. F. C. Blake. 1,829,734; Nov. 3.
Synthesis, Method of and apparatus for effecting. S. K. Varnes. 1,835,827; Dec. 8.
Synthetic methanol process. W. J. Edmonds and L. A. Stengel. 1,797,569; Mar. 24.
Syringe. W. H. Brockway. 1,798,116–17; Mar. 24.
Syringe. L. E. Creasy. 1,832,533; Nov. 17.
Syringe. F. Jensen. 1,828,661; Oct. 20.
Syringe. C. E. Juhl. 1,831,668; Nov. 10.
Syringe. M. Nevin. 1,819,258; Aug. 18.
Syringe. P. B. Valle. 1,800,269; Apr. 14.
Syringe. E. Weigle. 1,837,932; Dec. 22.
Syringe and needle therefor, Hypodermic. F. S. Dickinson. 1,793,068; Feb. 17.
Syringe and the like, Hypodermic. B. Kahn. 1,834,713; Dec. 1.
Syringe cartridge. I. Kulik. 1,816,857; Aug. 4.
Syringe for injecting liquids into the body or for taking them therefrom, Hypodermic. F. Meyer. 1,809,487; June 9.
Syringe, Hydrometer. E. H. Bridge. 1,790,696; Feb. 3.
Syringe, Hypodermic. H. K. Brown. 1,803,316; May 5.
Syringe, Hypodermic. E. P. Cressler. 1,798,142; Mar. 31.
Syringe, Hypodermic. G. N. Hein. 1,799,463; Apr. 7.
Syringe, Hypodermic. G. N. Hein. 1,817,003; Aug. 4.
Syringe, Hypodermic. F. C. Montuori. 1,838,039; Dec. 22.
Syringe, Hypodermic. A. E. Smith. 1,817,652; Aug. 4.
Syringe, Hypodermic. R. T. Woodyatt. 1,801,475; Apr. 21.
Syringe, Powder placing. L. L. Findley. 1,824,808; Sept. 29.
Syringe, Vaginal. N. B. Salerni. Re18,049; Apr. 14.
Syrups and molasses, Desugaring. J. Bergé. 1,809,808–9; June 9.
System of distribution. W. H. Powell. 1,803,676; May 5.
System operating on a marginal current basis. J. W. Horton. 1,823,739; Sept. 15.
T connecter. A. B. Dibner. 1,808,769; June 9.
T-connecter. R. A. Goeller. 1,809,408; June 9.
T-head for shores. H. J. Baker. 1,826,118; Oct. 6.
T-square with sliding pivoted blades. W. Ross. 1,807,438; May 26.
Tab for registration cards or the like. W. Schleifer. 1,816,344; July 28.
Tab, Index. L. S. Graff and R. A. Stewart. 1,826,614; Oct. 6.
Tab, Reenforced. S. C. Huffman. 1,793,485; Feb. 24.
Table: *See*—

Auto table.
Basket table.
Bathing table.
Bedside table.
Box-making table.
Bridge table.
Camp table.
Card table.
Collapsible table.
Concentrating table.
Diagnostic table.
Dining table.
Disappearing table.
Dissecting table.
Drafting table.
Drawing table.
Dressing table.
Extensible table.
Extension table.
Fold type table.
Foldable bathtub table.
Foldable table.
Folding or convertible table.
Folding table.
Folding wall table.
Food preserving table.
Force table.
Greenhouse table.
Hospital table.
Indexing table.
Ironing and wall table.
Ironing table.
Lap table.
Mason's leveling table.
Nursery and camp table.
Nursery table.
Operating table.
Packing table.
Rotary table.
Saw table.
Self-serving table.
Spray table.
Study table.
Surgical table
Takedown table.
Toy table.
Universal treatment table.
Vibrating table.

Table. J. L. Andrews. 1,829,918; Nov. 3.
Table. L. H. Burlin. Des. 84,228; May 26.
Table. L. H. Burlin and G. F. Corduan. 1,835,272; Dec. 8.
Table. A. Friedman. Des. 83,194; Feb. 3.
Table. A. Friedman. Des. 83,432; Feb. 24.
Table. A. Friedman. Des. 84,408; June 16.
Table. A. Friedman. Des. 84,688; July 21.
Table. N. Giard. 1,829,590; Oct. 27.
Table. N. W. Griffis. 1,800,685; Apr. 14.
Table. J. O. Gulbranson. Des. 84,473; June 23.

Table. W. T. Hormes. Des. 83,537; Mar. 3.
Table. A. F. G. Lucas. Des. 83,330; Feb. 17.
Table. R. K. Merrill. Des. 84,486; June 23.
Table. L. F. Moore and P. Craighill. Des. 83,339; Feb. 17.
Table. E. B. Morgan. Des. 84,488; June 23.
Table. E. A. Purnell. Des. 84,439; June 16.
Table. A. J. Sanders and J. A. Sanders. 1,797,698; Mar. 24.
Table. C. J. Schmitt. 1,826,578; Oct. 6.
Table. A. V. Shipman. Des. 85,120; Sept. 15.
Table. G. E. Temple. 1,836,943; Dec. 15.
Table. M. Thum. 1,792,555; Feb. 17.
Table and bench, Adjustable. N. S. Amstutz. 1,792,673; Feb. 17.
Table and bench, Folding. G. C. Davies and D. G. Griswold. 1,821,259; Sept. 1.
Table and bench, Folding. C. W. Horton. 1,812,483; June 30.
Table and cabinet, Combination. J. J. Conners. Des. 84,667; July 14.
Table and case, Combination paste. W. E. Meyer. 1,809,142; June 9.
Table and chair, Combined. L. Kocjan. 1,819,956; Aug. 18.
Table and clamp, Work. J. F. Glass. 1,805,395; May 12.
Table and cover for telegraph printer, Combined. J. A. Mahoney and A. Zitzmann. Des. 83,408; Feb. 17.
Table and drive therefor, Draw. J. L. Drake and E. A. Rosin. 1,793,783; Feb. 24.
Table and ironing board, Combination. P. E. Larson. 1,804,372; May 5.
Table and ironing board, Combination. C. A. Selander. 1,807,937; June 2.
Table and ironing board, Wall. T. B. Chandler. 1,795,636; Mar. 10.
Table and lighting contrivance. J. Petrolo. 1,802,528; Apr. 28.
Table and reading attachment for wheel chairs. H. W. Griffith. 1,790,808; Feb. 3.
Table and safeway garages, Auto. J. W. Mayden. 1,804,363; May 5.
Table and seat, Collapsible. L. Blumenthal. 1,823,484; Sept. 15.
Table and the like, Work-holding. O. Halvorsen and S. F. Kiesling. 1,801,197; Apr. 14.
Table and truck, Combined. A. B. Odell. 1,828,434; Oct. 20.
Table, ash and buffet tray, Combined folding. M. Siegel. 1,813,090; July 7.
Table attachment for bathtubs, Dressing. C. M. Whitfield. 1,838,342; Dec. 29.
Table attachment for beds. J. R. Vandagriff. 1,797,847; Mar. 24.
Table attachments for chairs, settees, sofas, or the like. J. W. Ginsberg. 1,835,772; Dec. 8.
Table, Collapsible. W. J. Bauer. 1,820,592; Aug. 25.
Table construction. S. and M. Blickman. 1,816,247; July 28.
Table construction. N. Giard and H. O. Girard. 1,802,891; Apr. 28.
Table construction, Folding-. W. S. Bellows. 1,794,362; Mar. 3.
Table cover or similar article. F. Lebrecht. Des. 83,623; Mar. 10.
Table-drainage top, Morgue-. A. H. Thompson. 1,796,493; Mar. 17.
Table for cast glass, Receiving. C. Locreille. 1,819,959; Aug. 18.
Table for casting glass sheets and plates. Y. Brancart. 1,819,224; Aug. 18.
Table for coating machines and the like, Convertible. I. R. Metcalf. 1,800,949; Apr. 14.
Table for coating machines, Coating. L. B. Case. 1,827,640; Oct. 13.
Table for glass plates, Traveling transporting. L. Von Reis. 1,797,626; Mar. 24.
Table for grinding apparatus. H. L. Kehl. 1,801,048; Apr. 14.
Table for plastic glass plates, Traveling transporting. L. Von Reis. 1,793,977; Feb. 24.
Table for pneumatic systems, Dispatching and receiving head and work. O. G. Gilstrap. 1,833,213; Nov. 24.
Table for shearing machines, Entering. F. Dustan and H. W. Cross. 1,797,945; Mar. 24.
Table for stitching machines and the like, Convertible. I. R. Metcalf. 1,800,949; Apr. 14.
Table for supporting glass sheets and bedding the same thereon. D. Adams. 1,831,617; Nov. 10.
Table for tape printing telegraph. R. I. Meader. Des. 85,194; Sept. 22.
Table for thermohydrometers, Correction. M. A. Myers. 1,831,315; Nov. 10.
Table frame. W. C. Uline. 1,832,673; Nov. 17.
Table, Leaf support. F. L. Casper. 1,803,545; May 5.
Table-leaf support. D. H. Chason. 1,798,786; Mar. 31.
Table leg. E. L. Knapp. 1,818,629; Aug. 11.
Table leg rest, Examining. H. S. Allison. 1,823,248; Sept. 15.
Table lighter. H. J. Goldblatt. Des. 85,641; Dec. 1.
Table lock. F. B. Walter. 1,800,172; Apr. 7.
Table lock, Extension-. C. Weesner. 1,793,979; Feb. 24.
Table mat. J. Sacherman. 1,808,258; June 2.
Table or similar article. W. C. H. Cushman. Des. 85,325; Oct. 13.
Table top. W. S. Belloss. 1,817,433; Aug. 4.
Table top. J. Loebl. Des. 84,706; July 21.
Table top, Display. P. Lopez. 1,825,464; Sept. 29.
Table top for portable saws. W. A. Caldwell. 1,801,721; Apr. 21.
Table-top, straight-line gas or electric range. J. Teller and A. P. Schulz. Des. 85,848; Dec. 22.
Table with dustless structure. C. M. McCarthy. 1,809,418; June 9.
Tables and the like, Shield attachment for eating. A. W. Nelson. 1,810,618; June 16.
Tables and the like, Work-gripping means for rotary. F. Stone and A. L. Stone. 1,797,486; Mar. 24.
Tables, Hydraulic feed for work. J. H. Lonie. 1,834,956; Dec. 8.
Tables, Lumber return attachment for saw. H. T. Lumb. 1,803,857; May 5.
Tables, Serving device for card. J. R. Golson. 1,837,362; Dec. 22.
Tablet. J. M. Majewski, jr. Des. 84,750; July 28.
Tablet. L. A. Phillips. 1,804,806; May 12.
Tablet, Combined urn and memorial. W. F. Clark. Des. 85,087; Sept. 15.
Tablet, Display. H. Wiedemann. 1,803,743; May 5.
Tablet, Drafting. S. A. Strzelczyk. 1,821,485; Sept. 1.
Tablet, Writing. J. J. Ralph. 1,791,325; Feb. 3.
Tablets containing advertisements, Manufacture of transparent soap. E. Villain. 1,827,549; Oct. 13.
Tablets of powdery material framed in metal, Producing. H. Pfleumer, F. Kruger, and H. Oexmann. 1,822,172; Sept. 8.
Tabulating machine. J. W. Bryce. 1,817,434; Aug. 4.
Tabulating machine. F. M. Carroll. 1,791,883; Feb. 10.
Tabulating machine. F. M. Carrell. 1,803,959; May 5.
Tabulating machine. C. D. Lake. 1,822,594; Sept. 8.
Tabulating machine. J. Last. 1,812,883; July 7.
Tabulating machine. J. R. Peirce. 1,791,762; Feb. 10.
Tabulating machine. J. E. Wright. 1,821,046; Sept. 1.
Tabulating machines and the like, Control device for. F. A. Storey. 1,791,911; Feb. 10.
Tabulating machines, Card handling device for. F. M. Carroll. 1,826,992; Oct. 13.
Tabulating machines, Control device for. C. D. Lake. 1,800,392; Apr. 14.
Tabulator printer. W. W. Lasker. 1,831,358; Nov. 10.
Tabulator, Printing. W. W. Lasker. 1,822,156; Sept. 8.
Tabulator with individual column resets. J. W. Bryce. 1,834,767; Dec. 1.
Tabulators, Group-indicating system for. J. W. Bryce. 1,791,952; Feb. 10.
Tachometer. E. B. Nowosielski. 1,807,702; June 2.
Tachometer generator. D. J. Angus. 1,798,394; Mar. 31.
Tachometer, Liquid. S. R. Puffer, and S. A. Moss. 1,823,841; Sept. 15.
Tack handling mechanism. T. H. Seely. 1,825,210; Sept. 29.
Tack puller or pliers. F. R. White. 1,821,953; Sept. 8.
Tack setter. W. E. Graffious. 1,824,399; Sept. 22.
Tackle box. C. L. Dewey. 1,790,498; Jan. 27.
Tackle block. C. F. Janssen. 1,794,176; Feb. 24.
Tactilotester. O. Smith. 1,829,968; Nov. 3.
Tag. R. G. Gallogly. 1,833,742; Nov. 24.
Tag. J. Rankin. 1,795,233; Mar. 3.
Tag and cord for tea bags. H. H. D. Cooper. 1,799,006; Mar. 31.
Tag and holder therefor, Price. W. S. Rench. 1,822,421; Sept. 8.
Tag and sign, Price. C. H. Angell. 1,822,641; Sept. 8.
Tag, Animal marking. J. O. Ker. 1,831,569; Nov. 10.
Tag case and mounting, Sealed identification. L. J. Kiger. 1,801,088; Apr. 14.
Tag, Display. H. L. Myers. 1,832,318; Nov. 17.
Tag for bicycle tires and the like. C. B. Cain. 1,800,599; Apr. 14.
Tag, Laundry-marking. G. A. Goudie. 1,796,365; Mar. 17.
Tag, License. A. L. Thomas. 1,818,020; Aug. 11.
Tag, Marking and sealing. J. J. Perquin and H. J. Francken. 1,824,567; Sept. 22.
Tag, Nondetachable identification. J. A. Lethert. 1,813,060; July 7.
Tag patching machine. C. A. Farrar. 1,831,807; Nov. 17.
Tag, Price. E. E. Ludwigson. 1,799,756; Apr. 7.
Tag printing machine. G. W. Henry, jr. 1,814,923; July 14.
Tag, Reenforced marking. E. L. Kinch. 1,818,559; Aug. 11.
Tag securing and identification means, Automobile. W. S. G. Heath. 1,816,254; July 28.
Tag-securing means. M. B. Behrman. 1,791,551; Feb. 10.
Tag-securing means. S. Klein and D. R. Kasanof. 1,789,236; Jan. 13.
Tag, Storage-battery. O. W. Pendergast. 1,796,895; Mar. 17.
Tag structure. A. H. Swett. 1,831,207; Nov. 10.
Tag with attached string and method of attaching. S. Cooper. 1,792,075; Feb. 10.
Tagging. M. R. Kondolf. 1,804,940; May 12.
Tagging. M. R. Kondolf. 1,822,660–1; Sept. 8.
Tail and stop light, Combined. La D. Barber. 1,793,730; Feb. 24.
Tail gate device for dump trucks. A. B. Larson. 1,821,384; Sept. 1.
Tail gate, Double-acting. A. S. Hughes. 1,970,379; Jan. 27.
Tail-lamp glass. R. W. Falge. 1,795,940; Mar. 10.

Tailpiece retaining means. A. R. Swearingen. 1,803,661; May 5.
Tail stock. E. F. Batterman and J. Verderber. 1,833,602; Nov. 24.
Tail stock. E. J. Svenson. 1,821,331; Sept. 1.
Tail stock for lathes and like machinery. A. Drummond. 1,834,831; Dec. 1.
Tailoring implement set. L. Fasulo. 1,828,494; Oct. 20.
Tailstock for machines for flanging pipes. F. C. Fantz. 1,804,003; May 5.
Takedown table. G. E. Tomlinson. 1,792,406; Feb. 10.
Take-off mechanism for wire cutting machines. W. H. Robbins and R. F. Boehler, jr. 1,829,456; Oct. 27.
Take up device for electric fixtures. O. P. Wilkin. 1,826,294; Oct. 6.
Take up mechanism. F. Ashworth. 1,824,066; Sept. 22.
Take-up method. F. Honig. 1,808,038; June 2.
Talking and moving picture machines, Synchronizing mechanism for combined. E. R. Taylor. 1,810,062; June 16.
Talking machine. H. R. Bleyer. 1,792,528; Feb. 17.
Talking machine. O. H. Brasier. 1,817,230; Aug. 4.
Talking machine. H. L. T. Buckle. 1,817,477; Aug. 4.
Talking machine. C. Collaro. 1,838,531; Dec. 29.
Talking machine. J. I. George and E. Chiffey. 1,821,632; Sept. 1.
Talking machine. L. Lumiere. 1,795,371; Mar. 10.
Talking machine. N. Yamanaka. 1,837,642; Dec. 22.
Talking machine and advertising device, Combined. P. D. Bodwell and H. W. Bellows. 1,837,608; Dec. 22.
Talking machine and picture exhibitor, Unitary synchronized. J. J. Getgey. 1,836,709; Dec. 15.
Talking machine, Automatic. W. R. Moore, jr. 1,800,803; Apr. 14.
Talking machine, Portable. H. I. Küchenmeister. 1,814,047; July 14.
Talking machine recorder. T. Kahn. 1,813,166; July 7.
Talking-machine turntables, Controlling. F. L. Dyer. 1,798,196; Mar. 31.
Talking machines and like devices, Sound box for. L. A. Smith. 1,809,493; June 9.
Talking machines, Automatic needle-feeding mechanism for. H. A. Dzieweczynski. 1,788,425; Jan. 13.
Talking machines, Record magazine for. H. L. T. Buckle. 1,823,084; Sept. 15.
Talloel, Treating. W. Schultze. 1,826,224; Oct. 6.
Tally device. E. M. McGowan. 1,826,520; Oct. 6.
Tally device and ash tray, Combined. J. E. Johnston. Des. 85,874; Dec. 29.
Tamp and needle, Miner's combination. W. O. C. Carson. 1,789,214; Jan. 13.
Tamp and pick, Combined humidor. W. Moses. 1,812,753; June 30.
Tampers, Handle for ballast. J. H. Jowett. 1,832,811; Nov. 17.
Tamping and rolling machine operated by vibration. J. G. Cameron. 1,819,866; Aug. 18.
Tamping or ballasting machine. C. Jackson. 1,813,295; July 7.
Tangling, Preventing. E. Cowles. 1,789,272; Jan. 13.
Tank: *See*—
Developing, fixing and washing tank.
Distributing tank.
Drier tank.
Filter tank
Fluid tank.
Flush tank.
Fuel tank.
Lily pool tank.
Magic tank.
Milk-treatment tank.
Pickling tank.
Pressure tank.
Purifying tank.
Quenching tank.
Rendering tank.
Saponification tank.
Septic tank.
Settling and evaporating tank.
Settling tank.
Solution tank.
Storage tank.
Syphon flush tank.
Vacuum tank.
Vehicle tank.
Water heating tank.
Watering tank.
Tank. F. S. Boltz. 1,797,257; Mar. 24.
Tank. F. S. Boltz. 1,815,543; July 21.
Tank. A. A. Kramer. 1,797,212; Mar. 17.
Tank. T. E. Murray, jr. 1,802,733; Apr. 28.
Tank and automatic drain valve therefor, Storage. J. F. Patterson. 1,801,172; Apr. 14.
Tank and filling-neck lock, Combination gas-. A. Nisbett and A. Wilberg. 1,789,492; Jan. 20.
Tank and making the same, Fuel. A. A. Andrake. 1,811,659; June 23.
Tank and making the same, Lined. J. M. Rohlfing. 1,803,407; May 5.
Tank and storing oil, Oil. E. M. Clark. 1,823,256; Sept. 15.
Tank arranged on the dash-board of motor vehicles, Fuel. T. Zerbi. 1,837,845; Dec. 22.
Tank cap and feed supply lock, Combination gas. T. S. Greer. 1,805,868; May 19.
Tank cap, Safety gas. G. C. Chafkin. 1,818,608; Aug. 11.
Tank car washer. F. H. Paris. 1,831,029; Nov. 10.
Tank carrier. A. A. Andrake. 1,834,511; Dec. 1.
Tank cleaning device. W. E. Peterson and D. A. Morton. 1,838,634; Dec. 29.
Tank construction, Compartment. W. C. McGaffic. 1,808,427; June 2.
Tank construction, Glass-. K. G. Kutchka. 1,790,820; Feb. 3.
Tank construction, Glass. W. Owen. 1,825,887; Oct. 6.
Tank construction, Oil. R. R. Tucker. 1,815,531; July 21.
Tank construction, Pickling. E. B. Hudson. 1,804,774; May 12.
Tank filling apparatus. N. M. De Arman. 1,810,413; June 16.
Tank-filling device for automobiles. F. I. Costa and E. V. Mello. 1,793,159; Feb. 17.
Tank flange. C. L. Pendleton. 1,809,250; June 9.
Tank float stopper. F. W. Starkey. 1,807,450; May 26.
Tank for ashes, Storage. F. B. Allen. 1,829,732; Nov. 3.
Tank for combined harvesters and thrashers. J. H. Wilson. 1,797,462; Mar. 24.
Tank for concrete mixers, Water. G. Jaeger. Re17,924; Jan. 6.
Tank for concrete mixing apparatus, Liquid. J. E. Bushnell. 1,801,763; Apr. 21.
Tank for concrete mixing apparatus, Liquid. J. E. Bushnell. 1,837,203; Dec. 22.
Tank for cracking mineral oil. A. E. Pew, jr., and H. Thomas. 1,794,200; Feb. 24.
Tank for domestic refrigerator systems, Cooling. F. G. Slagel. 1,829,375; Oct. 27.
Tank for harvesters, Grain. F. N. G. Kranich. 1,811,055; June 23.
Tank for heat exchange units, End. E. H. Seelert. 1,802,930; Apr. 28.
Tank for hot-water systems. E. S. Stack. 1,790,357; Jan. 27.
Tank for liquids, Feeding. J. T. Beechlyn and M. Sjogren. 1,833,150; Nov. 24.
Tank for out-board motors, Fuel. G. H. Hahm. 1,828,040; Oct. 20.
Tank for pressure burners, Detachable. F. E. White and A. Ruttiman. 1,814,068; July 14.
Tank for sewage treatment by activated sludge, Aeration. K. Imhoff, F. Fries, and F. Sierp. 1,797,147; Mar. 17.
Tank for the transportation of volatile liquids. G. V. Tontet. 1,807,108; May 26.
Tank for volatile gases and liquids, Storage. J. H. Wiggins. 1,801,296; Apr. 21.
Tank gauge. R. Star. 1,801,212; Apr. 14.
Tank heater. O. A. Bailey. 1,819,402; Aug. 18.
Tank lifter. C. Aalborg. 1,801,831; Apr. 21.
Tank lock. E. Adams. 1,833,864; Nov. 24.
Tank lock, Vacuum-. J. H. Hunt. 1,798,943; Mar. 31.
Tank of the floating deck type, Storage. J. F. Patterson. 1,816,124; July 28.
Tank or pressure vessel, Lined. W. C. Johnson. 1,824,898; Sept. 29.
Tank sampler. W. P. Arnold. jr. 1,819,058; Aug. 18.
Tank-siphon dispensing apparatus. H. L. Blum. 1,794,437; Mar. 3.
Tank structure. A. M. Griffin. 1,801,501; Apr. 21.
Tank structure, Metallic-lined. G. W. Williams. 1,788,005; Jan. 6.
Tank trailer, Drop frame. F. G. Thwaits. 1,814,098; July 14.
Tank truck gauge. C. F. H. Bohnhardt. 1,818,295; Aug. 11.
Tank valve. W. K. Edwards. 1,821,622; Sept. 1.
Tanks and other multiplate structures, Building welded. G. O. Carter, R. B. Aitchison, and M. J. Wall. 1,798,190; Mar. 31.
Tanks and the like, Cleaning liquid storage. F. Hammond. 1,806,681; May 26.
Tanks and troughs, Water circulating and heating system for stock-watering. D. E. Tallyn. 1,792,199; Feb. 10.
Tanks, Drainage device for. A. W. Caps. 1,834,381; Dec. 1.
Tanks, Filler connection for. E. P. du Pont. 1,813,612; July 7.
Tanks, Floating deck for liquid storage. J. H. Wiggins. 1,801,582; Apr. 21.
Tanks, Flow control for gas. A. Shuman. 1,800,909; Apr. 14.
Tanks of tank vessels, Cleaning, scaling, and gas freeing bulk cargo. A. B. Butterworth. 1,806,740; May 26.
Tanks of vessels, Channel construction for the sides of the. W. G. Bartenfeld. 1,802,165; Apr. 21.
Tanks, Safety device for fuel. R. Strindberg. 1,792,198; Feb. 10.
Tanning agents, Production of synthetic. H. Schuette. 1,826,094; Oct. 6.
Tanning apparatus. A. S. Jones. 1,813,744; July 7.
Tanning extract and mode of making. S. F. Acree. 1,816,138; July 28.
Tanning process, Preliminary. B. Quendt. 1,823,467; Sept. 15.
Tanning substance and preparing same. G. Kränzlein and A. Voss. 1,825,802; Oct. 6.
Tantalum and other rare refractory metals by electrolysis of fused compounds, Producing. F. H. Driggs. 1,815,054; July 21.
Tap. J. E. Diggle. 1,797,132; Mar. 17.
Tap. G. E. Miller. 1,817,575; Aug. 4.
Tap-changing system. H. L. Cole and R. B. George. 1,794,945; Mar. 3.
Tap changing system. W. R. Farley. 1,809,964; June 16.
Tap-changing system. R. M. Field. 1,794,948; Mar. 3.
Tap changing system. R. M. Field. 1,835,481; Dec. 8.
Tap changing system. L. H. Hill. 1,804,614; May 12.
Tap, cock, and the like. J. Hamilton and J. Hynd. 1,831,414; Nov. 10.
Tap, Collapsible. W. J. Hogg and F. Neumann. 1,808,138; June 2.
Tap, Collapsible. S. F. Newman. 1,811,802; June 23.
Tap, Feeder. H. P. Chandler. 1,822,883; Sept. 15.

Tap for dispensing liquids. J. H. Hole and W. R. Bryant. 1,802,510; Apr. 28.
Tap for shoes. G. M. Mellor. 1,811,473; June 23.
Tap for threading pipe couplings, Receding and collapsing. J. C. P. Wetmore. 1,813,594; July 7.
Tap switch. A. Haller and S. Rump. 1,828,496; Oct. 20.
Tape and yarn and making the same, Asbestos. J. A. Heany. 1,828,112; Oct. 20.
Tape-applying machine. A. R. Ridderstrom. 1,794,204; Feb. 24.
Tape attaching machine. S. G. Blessington. 1,804,198; May 5.
Tape, Button-hole. E. M. Goldsmith. 1,838,991; Dec. 29.
Tape coating and affixing device. F. E. Holladay. 1,831,741; Nov. 10.
Tape, Controlling the movement of a. W. T. Birdsall. 1,821,925; Sept. 8.
Tape-delivering machine. G. Remnsnider. 1,799,533; Apr. 7.
Tape dispensing device. C. G. Kronmiller. 1,809,940; June 16.
Tape, Fastener. L. Roseman. 1,828,786; Oct. 27.
Tape, Fastener. H. Rosenman. 1,835,671; Dec. 8.
Tape, Feeding. W. B. Lashar. 1,832,034; Nov. 17.
Tape, Hand moistener. J. F. Porter. 1,823,761; Sept. 15.
Tape, labels, etc., Apparatus for moistening and cutting gummed. R. I. Meader. 1,834,632; Dec. 1.
Tape measure. L. R. Smith. 1,800,911; Apr. 14.
Tape, Measuring. A. Langsner. 1,812,965; July 7.
Tape, Method and apparatus for applying. C. Olsen. 1,801,972; Apr. 21.
Tape, Moistener. W. R. Greenlee. 1,823,600; Sept. 15.
Tape perforator and transmitter. R. Hoover and F. J. Haupt. 1,830,700; Nov. 3.
Tape reel. J. Weibrecht. 1,832,674; Nov. 17.
Tape reel, Electrician belt clip. J. E. Whitaker. 1,818,514; Aug. 11.
Tape-serving machine, Gummed-. W. A. Uttz, sr. 1,787,882; Jan. 6.
Tape suspension for window sash and the like. S. Rosenberg. 1,827,264; Oct. 13.
Tape, Tire-measuring. H. J. Woock. 1,797,389; Mar. 24.
Tape to conductors, Apparatus for applying. E. G. Loomis. 1,830,669; Nov. 3.
Tape winding machine. G. W. Fries, F. W. Finkhousen and L. J. Johnson. 1,811,229; June 23.
Taper turner. G. A. Perry. 1,812,366; June 30.
Tapering mechanism for saw mill knees. R. and S. B. Langill. 1,832,908; Nov. 24.
Tappet construction. A. V. D. Willgoos. 1,835,622; Dec. 8.
Tappet, Self adjusting. R. H. Hamilton. 1,817,620; Aug. 4.
Tapping device for closed vessels. E. Schanze and H. Kafka. 1,795,510; Mar. 10.
Tapping head, Automatic. S. C. Watson. 1,796,352; Mar. 17.
Tapping machine. A. H. Lyon. 1,836,675; Dec. 15.
Tar acids from other products, Recovery of. S. P. Miller. 1,826,431; Oct. 6.
Tar acids, Recovering. S. P. Miller. 1,819,687; Aug. 18.
Tar, Filtration of. F. J. Gainer. 1,819,745; Aug. 18.
Tar refining. J. H. Brégi. 1,791,052; Feb. 3.
Tar, Refining. T. J. Fairley. 1,815,293; July 21.
Tar remover and polish, Lacquer-surface. J. W. Meyer. 1,795,134; Mar. 3.
Target. O. L. Dally. 1,831,289; Nov. 10.
Target. F. T. Russell. 1,804,117; May 5.
Target. A. R. Stowell. 1,821,330; Sept. 1.
Target and frangible disk, Rifle. M. D. Van Auken. 1,825,292; Sept. 29.
Target, Archery. H. M. Brading. 1,818,939; Aug. 11.
Target, Archery. E. G. Mead and W. B. Flosse. 1,837,627; Dec. 22.
Target, Moving. J. Ritchie. 1,788,889; Jan. 13.
Target throwing and releasing device. W. A. Lamkey. Re18,007; Mar. 24.
Target throwing device. E. Van Antwerp. 1,817,786; Aug. 4.
Target trap. P. North. 1,819,567; Aug. 18.
Tassel. C. P. Schlegel. 1,820,328; Aug. 25.
Tassel, Shade. C. P. Schlegel. Des. 85,062; Sept. 8.
Taximeter. J. A. F. Brun. 1,827,139; Oct. 13.
Taximeter. B. H. Tingley. 1,794,808; Mar. 3.
Taximeter or fare recorder. H. Dunholter. 1,818,883; Aug. 11.
Tea and like infuser. E. R. Anders. 1,795,535; Mar. 10.
Tea bag. S. Cooper. 1,801,588; Apr. 21.
Teakettle and like domestic boiler. F. D. Austin. 1,827,131; Oct. 13.
Teapot. C. D. La Follette and H. A. Jahraus. Des. 85,292; Oct. 6.
Teapot. G. E. Meissner. Des. 83,824; Mar. 31.
Teapot or similar article. L. Anduze. Des. 84,774; Aug. 4.
Tea pot or similar article. W. Lindley. Des. 85,050; Sept. 8.
Teapots, Strainer for. D. E. M. Applegate. 1,788,760; Jan. 13.
Tea, Preparing and preserving the beverage. R. T. Metzger and P. D. Potter. 1,813,120; July 7.
Tea roaster. G. U. Kohori. Des. 85,337; Oct. 13.
Teaching division, Device for. J. E. McDade. 1,818,566; Aug. 11.
Teaching of walking and dancing, Self. W. Mitchell. 1,815,443; July 21.
Teat cup cleaner. H. C. Reimer. 1,837,484; Dec. 22.
Teat membrane and tumor remover. O. Thostenson. 1,837,503; Dec. 22.
Teat-tumor remover. D. E. Trump. 1,795,580; Mar. 10.
Tee caddy. S. Rosenstein. 1,789,910; Jan. 20.
Tee, Golf. G. Miller. 1,821,475; Sept. 1.
Teeth and making same, Artificial. C. A. Walsh. 1,794,129; Feb. 24.
Teeth, Artificial. L. D. Pickering. 1,799,316; Apr. 7.
Teeth, Device for cleaning and polishing. N. C. Leonard. 1,833,842; Nov. 24.
Teeth in gear blanks, Forming. C. G. Olson. 1,833,227; Nov. 24.
Teeth, Interchangeable. E. P. Cressler. 1,802,405; Apr. 28.
Teether. N. P. Steckler. Des. 85,142; Sept. 15.
Teething and exercising device. J. A. Maker. 1,826,943; Oct. 13.
Teetotum. W. W. and C. T. Woodroof. Des. 84,388; June 9.
Telechronometer. G. Babcock. 1,821,086; Sept. 1.
Telegraph apparatus. A. H. Shangle. 1,837,237; Dec. 22.
Telegraph apparatus, Synchronization of facsimile. R. H. Ranger. 1,829,420; Oct. 27.
Telegraph apparatus, Type printing. H. Wüsteney. 1,814,236; July 14.
Telegraph circuits. F. W. Jarvis. 1,834,279; Dec. 1.
Telegraph circuits, Interpolating signal in high-speed. M. H. Woodward. 1,788,477; Jan. 13.
Telegraph circuits, Patching arrangement for carrier. R. H. Clapp. 1,787,511; Jan. 6.
Telegraph code signals, Matching speed of receiving rotating element from. R. F. Dirkes. 1,800,056; Apr. 7.
Telegraph exchange system. G. S. Vernam. 1,804,548; May 12.
Telegraph instrument. J. A. Smale. 1,834,076; Dec. 1.
Telegraph lines, Balancing. A. F. Connery and R. S. Wishart. 1,826,737; Oct. 13.
Telegraph machines, Message copyholder and gumming desk for printing. R. F. Blanchard, J. F. Porter, and G. Marx. 1,831,700; Nov. 10.
Telegraph messages, Method of and apparatus for collecting. J. F. Skirrow. 1,791,015; Feb. 3.
Telegraph or teletyper plant. A. Jipp. 1,823,978; Sept. 22.
Telegraph printer. H. L. Krum. 1,796,378; Mar. 17.
Telegraph printers, Tape-feeding mechanism for. J. F. Porter and L. W. Franklin. 1,800,195; Apr. 7.
Telegraph, Printing. E. E. Kleinschmidt. 1,821,164; Sept. 1.
Telegraph, Printing. Y. Okamoto. 1,801,528; Apr. 21.
Telegraph reading machine. R. D. Parker. 1,815,986; July 28.
Telegraph reading machine. A. Weaver. 1,815,996; July 28.
Telegraph receiver, Printing. S. Morton and H. L. Krum 1,791,740; Feb. 10.
Telegraph receiver, Printing. R. Tevis. 1,805,114; May 12.
Telegraph receiving apparatus for producing punched tape. F. G. Creed. 1,792,283; Feb. 10.
Telegraph receiving system. F. J. Singer. 1,791,577–8; Feb. 10.
Telegraph receiving system, Wireless. J. Brown. 1,810,461; June 16.
Telegraph receptor, Pocket-. P. J. Ruddy. 1,797,696; Mar. 24.
Telegraph recorder, Ship's. D. M. Wolf. 1,815,389; July 21.
Telegraph repeater. C. C. Ferguson. 1,812,824; June 30.
Telegraph repeater arrangement. R. B. Shanck. 1,804,547; May 12.
Telegraph signal recording system. E. F. Watson and T. A. McCann. 1,833,958; Dec. 1.
Telegraph signals, Measuring distortion of. J. Herman. 1,829,185; Oct. 27.
Telegraph switching system, Printing. G. S. Vernam. 1,798,235; Mar. 31.
Telegraph system. J. I. Bellamy. 1,810,198; June 16.
Telegraph system. M. Compare. 1,805,867; May 19.
Telegraph system. A. F. Connery. 1,794,756; Mar. 3.
Telegraph system. G. C. Cummings. 1,809,026; June 9.
Telegraph system. M. B. Kerr. 1,834,281; Dec. 1.
Telegraph system. F. S. Kinkead. 1,795,652; Mar. 10.
Telegraph system. G. J. Knandel. 1,807,740; June 2.
Telegraph system. H. F. May. 1,807,744; June 2.
Telegraph system. M. I. Pupin. 1,811,368; June 23.
Telegraph system and bridge-duplex set for use with such systems, Superposed. R. V. Morgenstern. 1,788,316; Jan. 6.
Telegraph system, Biased carrier. H. Ladner and P. V. Welch. 1,838,268; Dec. 29.
Telegraph system, Carrier. V. P. Thorp. 1,809,950; June 16.
Telegraph system, Carrier. V. P. Thorp. 1,827,860; Oct. 20.
Telegraph system, Duplex. L. R. Foster. 1,826,928; Oct. 13.
Telegraph system for dividing received intelligence into groups. R. F. Dirkes. 1,814,902; July 14.

Telegraph system, High speed submarine cable. A. D. Dowd, M. B. Kerr, and G. A. Locke. 1,823,354; Sept. 15.
Telegraph system, Printing-. G. S. Vernam. 1,791,587; Feb. 10.
Telegraph system, Regenerative cable repeater for. A. F. Connery. 1,835,281; Dec. 8.
Telegraph system, Submarine. A. A. Clokey. 1,799,214; Apr. 7.
Telegraph system, Superposed. R. V. Morgenstern and P. E. Teter. 1,809,722; June 9.
Telegraph system, Synchronous. H. Angel and J. W. Robinson. 1,810,809; June 16.
Telegraph system, Synchronous. W. A. Knoop. 1,832,309; Nov. 17.
Telegraph systems, High speed fork regenerating repeater for. H. Angel and J. W. Robinson. 1,804,302; May 5.
Telegraph systems, Method of and apparatus for operating cable. H. Angel and J. W. Robinson. 1,807,368; May 26.
Telegraph systems, Pilot channel for. J. Herman. 1,829,830; Nov. 3.
Telegraph systems, Vacuum tube repeater and terminal set for superposed. R. V. Morgenstern. 1,811,824; June 23.
Telegraph, telephone, or signaling lines, Device for the maintenance of. G. Viard. 1,801,182; Apr. 14.
Telegraph transmission measuring system. S. I. Cory. 1,825,715; Oct. 6.
Telegraph transmitter. R. D. Salmon. 1,820,499; Aug. 25.
Telegraphs, Feeding mechanism for printing. A. Vischer, jr. 1,832,160; Nov. 17.
Telegraphic and wireless transmission system. G. Boggero. 1,799,083; Mar. 31.
Telegraphic communicating system. J. V. Foll. 1,821,146; Sept. 1.
Telegraphic receiving apparatus. R. D. Salmon. 1,834,349; Dec. 1.
Telegraphic system. W. Budde. 1,803,379; May 5.
Telegraphic system. A. Lery. 1,789,633; Jan. 20.
Telegraphic transmitting and tape perforating apparatus. F. G. Creed and R. D. Salmon. 1,804,496; May 12.
Telegraphic transmitting instrument. W. D. Cooper. 1,813,230; July 7.
Telegraphophone system. LeR. J. Leishman. 1,803,555; May 5.
Telegraphones, Reproducing magnet for. C. Stille. 1,828,260; Oct. 20.
Telegraphy, Correcting distortion and interpolating impulses in cable. H. Angel. 1,809,664; June 9.
Telegraphy, Interrupter especially suitable for use in wireless. W. F. Bubb. 1,794,669; Mar. 3.
Telegraphy method using the five-unit alphabet or similar telegraphic system. G. von Arco and F. Schröter. 1,798,641; Mar. 31.
Telegraphy, Printing. G. A. Graham. 1,820,737; Aug. 25.
Telegraphy system, High speed. F. Schröter. 1,881,585; Aug. 11.
Telegravure method and apparatus. C. F. Watts. 1,837,509; Dec. 22.
Telemeter, Stereoscopic. J. Mihalyi. 1,813,673; July 7.
Telemetric indicating system. J. P. Weaver. 1,811,769; June 23.
Telemetric system. H. S. Petch and E. L. E. Wheatcroft. 1,834,800; Dec. 1.
Telephone. J. O. Cadieux. 1,813,887; July 7.
Telephone. K. Nichols and R. Bettien. 1,825,471; Sept. 29.
Telephone and signal system, Inter-communicating. T. Sisty and R. L. Penney. 1,802,675; Apr. 28.
Telephone and telegraph system, Combined. E. R. Taylor. 1,828,823; Oct. 27.
Telephone apparatus. J. O. Cadieux. 1,818,788; Aug. 11.
Telephone apparatus. Automatic coin controlled. C. A. Cambay. 1,816,073; July 28.
Telephone apparatus, Automatic coin controlled. C. A. Cambay. 1,837,110; Dec. 15.
Telephone attachment. P. F. London. 1,832,643; Nov. 17.
Telephone attachment. F. T. Peak. 1,813,505; July 7.
Telephone base. C. F. Johanning. Des. 85,615; Nov. 24.
Telephone cable systems, Voice operated control arrangement for. G. Crisson and S. B. Wright. 1,837,316; Dec. 22.
Telephone call list. W. A. Gregory. 1,832,458; Nov. 17.
Telephone-call recorder. R. Tilden and T. A. Tilden. 1,793,761; Feb. 24.
Telephone calls, Device for keeping count of. J. J. Sheridan. 1,827,622; Oct. 13.
Telephone circuit. W. H. Edwards. 1,792,579; Feb. 17.
Telephone construction. W. G. Dunn. 1,819,362; Aug. 18.
Telephone, Desk. O. Weeber and O. Soldan. Des. 85,679; Dec. 1.
Telephone desk set. G. E. Perreault. 1,831,391; Nov. 10.
Telephone desk stand. G. R. Eaton and R. Horn. Des. 83,514–15; Mar. 3.
Telephone dial illuminator, Automatic. G. P. Springfield. 1,838,236; Dec. 29.
Telephone dial lock. I. Greenberg. 1,807,065; May 26.
Telephone-dial-operating pencil attachment, Automatic. R. Van Sickler. 1,798,050; Mar. 24.
Telephone dials, Finger, Thimble for. E. O. Hunter. 1,794,233; Feb. 24.
Telephone directory and pad. B. L. Schmalz. 1,824,628; Sept. 22.
Telephone exchange system. J. H. E. Baker. 1,812,617; June 30.
Telephone exchange system. W. W. Carpenter, J. F. Dahl, R. C. Davis and L. E. Kittredge. 1,816,634; July 28.
Telephone-exchange system. R. E. Collis. 1,795,640; Mar. 10.
Telephone exchange system. R. E. Collis. 1,804,150; May 5.
Telephone exchange system. B. G. Dunham. 1,836,582; Dec. 15.
Telephone-exchange system. B. G. Dunham and R. A. Fairbairn. 1,799,679; Apr. 7.
Telephone exchange system. C. B. Fowler. 1,804,408–9; May 12.
Telephone exchange system. C. B. Fowler. 1,834,393; Dec. 1.
Telephone-exchange system. J. R. Gould. 1,788,517; Jan. 13.
Telephone-exchange system. H. Hovland. 1,799,796; Apr. 7.
Telephone exchange system. H. Hovland. 1,809,039; June 9.
Telephone exchange system. H. Hovland. 1,809,124; June 9.
Telephone exchange system. H. Hovland. 1,823,688; Sept. 15.
Telephone exchange system. A. D. Knowlton and S. H. Everett. 1,804,169; May 5.
Telephone exchange system. M. B. McDavitt and P. C. Schwantes, jr. 1,831,922; Nov. 17.
Telephone exchange system R. C. Paine. 1,836,549; Dec. 15.
Telephone-exchange system. R. L. Stokely. 1,799,654; Apr. 7.
Telephone exchange system. E. P. G. Wright. 1,809,882; June 16.
Telephone exchange system, Automatic. W. W. Carpenter. 1,808,527; June 2.
Telephone exchange system, Automatic. A. F. Dixon. 1,811,844; June 30.
Telephone exchange system, Automatic. F. J. Scudder. 1,808,577; June 2.
Telephone exchange system, Automatic or semi-automatic. E. P. C. Wright. 1,813,555; July 7.
Telephone exchange system, Call charging. A. E. Hague. 1,823,040; Sept. 15.
Telephone exchange system, Dial switching rural. W. Hatton, C. De Vriendt, and E. J. Rousseau. 1,831,387; Nov. 10.
Telephone exchange system, Zone metering. W. Hatton, C. De Vriendt, and E. J. Rousseau. 1,829,799; Nov. 3.
Telephone exchanges, Registering equipment for automatic. C. E. Stevens and M. den Hertog. 1,831,399; Nov. 10.
Telephone exchanges, Selector for automatic. F. Merk. 1,789,489; Jan. 20.
Telephone, Hand. G. R. Eaton and R. Horn. Des. 83,599; Mar. 10.
Telephone hand set. L. J. Loeffler. 1,830,035; Nov. 3.
Telephone information card and magnifying glass, Combined. A. Selikowitz. Des. 84,961; Aug. 25.
Telephone instrument. J. H. Penn. 1,788,030; Jan. 6.
Telephone instrument. S. R. Smith. 1,830,139; Nov. 3.
Telephone instrument, Wall. J. O. Cadieux. 1,824,705; Sept. 22.
Telephone interconnecting circuit. R. Feldtkeller and W. Wolman. 1,832,452; Nov. 17.
Telephone light. C. C. Phillips. 1,828,543; Oct. 20.
Telephone lines. C. J. Burnside. 1,825,304; Sept. 29.
Telephone loud-speaker. A. V. Marsik. 1,801,098; Apr. 14.
Telephone metering system. C. B. Fowler. 1,832,453; Nov. 17.
Telephone muffler. H. C. Tuttle. 1,800,234; Apr. 14.
Telephone niche. F. J. Hahn. 1,788,831; Jan. 13.
Telephone-phonographic means of communication. G. R. Cooper. 1,817,611; Aug. 4.
Telephone receiver. G. Babcock. 1,790,528; Jan. 27.
Telephone receiver. N. Blount. 1,831,377; Nov. 10.
Telephone receiver. F. Conrad. 1,819,499; Aug. 18.
Telephone receiver. A. A. Duncan. 1,815,194; July 21
Telephone receiver. G. B. French. 1,809,749; June 9.
Telephone receiver. G. B. French and J. L. Spence. 1,830,160; Nov. 3.
Telephone receiving instrument, Electrostatic. G. Maché. 1,799,053; Mar. 31.
Telephone recording and reproducing device. S. E. Aversa. 1,794,354; Mar. 3.
Telephone recording system. H. S. Worrell. 1,823,717; Sept. 15.
Telephone repeater circuit arrangement. J. Urmston and F. S. Smith. 1,814,775; July 14.
Telephone repeater system. H. H. Abbott and F. S. Entz. 1,788,007; Jan. 6.
Telephone repeaters, Artificial impedance for. M. Lebedinsky. 1,809,484; June 9.
Telephone repeating coil. G. Tauchmann and E. Reents. 1,792,616; Feb. 17.
Telephone responding apparatus, Automatic. J. L. Collins. 1,828,733; Oct. 27.
Telephone set, Desk. I. L. Hopkins. 1,823,323; Sept. 15.
Telephone signaling. H. G. Hall. 1,817,079; Aug. 4.
Telephone stand. P. Greenberg. Des. 85,748; Dec. 15.
Telephone stand. G. M. Minton. Des. 85,052; Sept. 8.
Telephone stand. J. L. Shahan. 1,819,977; Aug. 18.

Telephone supervisory system. C. E. Lomax. 1,793,812; Feb. 24.
Telephone supervisory system. C. E. Lomax. 1,802,179; Apr. 21.
Telephone switchboard. C. Borgmann. 1,828,455; Oct. 20.
Telephone switchboards, Auxiliary connecting device for automatic. G. D. Mansfield. 1,799,916; Apr. 7.
Telephone system. O. Anders. 1,827,061; Oct. 13.
Telephone system. C. A. Anderson. 1,827,734; Oct. 20.
Telephone system. C. A. Anderson. 1,835,256; Dec. 8.
Telephone system. F. Appelius. 1,787,430; Jan. 6.
Telephone system. G. Babcock. 1,808,280; June 2.
Telephone system. R. S. Bailey, S. F. Nelson, and F. F. Shipley. 1,793,582; Feb. 24.
Telephone system. H. M. Bascom. 1,831,901; Nov. 17.
Telephone system. C. E. Beale. 1,801,301; Apr. 21.
Telephone system. C. E. Beale. 1,813,138; July 7.
Telephone system. J. I. Bellamy. 1,791,702; Feb. 10.
Telephone system. J. I. Bellamy. 1,804,822; May 12.
Telephone system. J. I. Bellamy. 1,837,195; Dec. 22.
Telephone system. F. C. Bisbee. 1,835,003; Dec. 8.
Telephone system. C. R. Brooks. 1,791,788; Feb. 10.
Telephone system. W. W. Carpenter. 1,832,447; Nov. 17.
Telephone system. O. Cesareo. 1,788,704; Jan. 13.
Telephone system. T. F. Crocker. 1,804,594; May 12.
Telephone system. T. F. Crocker. 1,807,968; June 2.
Telephone system. T. V. Curley. 1,831,380; Nov. 10.
Telephone system. R. Dahms. 1,795,295; Mar. 10.
Telephone system. W. H. Edwards. 1,793,598; Feb. 24.
Telephone system. O. A. Friend and W. J. Heitsmith. 1,825,723; Oct. 6.
Telephone system. H. M. Friendly. 1,789,677; Jan. 20.
Telephone system. H. M. Friendly. 1,814,794; July 14.
Telephone system. H. M. Friendly. 1,828,964; Oct. 27.
Telephone system. H. M. Friendly. 1,833,991; Dec. 1.
Telephone system. J. W. Gooderham. 1,814,248; July 14.
Telephone system. I. W. Green. 1,816,967; Aug. 4.
Telephone system. I. W. Green. 1,830,834; Nov. 10.
Telephone system. P. E. Gunning. 1,805,820; May 19.
Telephone system. A. E. Hague. 1,804,766; May 12.
Telephone system. A. E. Hague. 1,804,767; May 12.
Telephone system. A. E. Hague. 1,831,385; Nov. 10.
Telephone system. W. T. Haines. 1,830,873; Nov. 10.
Telephone system. R. E. Hersey. 1,792,538; Feb. 17.
Telephone system. H. B. Johnson and E. Von Nostitz. 1,818,064; Aug. 11.
Telephone system. L. H. Johnson and R. L. Stokely. 1,804,778; May 12.
Telephone system. F. Kessler and A. G. Forster. 1,825,000; Sept. 29.
Telephone system. C. D. Koechling. 1,788,528; Jan. 13.
Telephone system. F. A. Korn and F. S. Entz. 1,829,803; Nov. 3.
Telephone system. T. Korthäuer. 1,787,688; Jan. 6.
Telephone system. T. Korthäuer. 1,790,382; Jan. 27.
Telephone system. R. Kruse. 1,809,046; June 9.
Telephone system. W. Kusche, R. Dahms, and F. Pfleiderer. 1,795,494; Mar. 10.
Telephone system. K. Larsson. 1,819,683; Aug. 18.
Telephone system. C. E. Lomax. Re18,076; May 19.
Telephone system. C. E. Lomax and L. L. Ruggles. 1,790,935; Feb. 3.
Telephone system. T. A. Lundell. 1,819,685; Aug. 18.
Telephone system. F. A. Lundquist. 1,801,931; Apr. 21.
Telephone system. R. L. Maurer. 1,806,546; May 19.
Telephone system. R. Mercer. 1,805,778; May 19.
Telephone system. J. E. Ostline. 1,796,804; Mar. 17.
Telephone system. W. O. Passmore. 1,797,788; Mar. 24.
Telephone system. W. H. Paulett and C. Gillings. 1,823,665; Sept. 15.
Telephone system. E. S. Peterson and L. L. Ruggles. 1,801,368; Apr. 21.
Telephone system. A. C. Powell. 1,816,613; July 28.
Telephone system. R. G. Richardson. 1,808,574; June 2.
Telephone system. F. A. Roome. 1,799,644; Apr. 7.
Telephone system. L. L. Ruggles. 1,788,746; Jan. 13.
Telephone system. N. H. Saunders. 1,834,649; Dec. 1.
Telephone system. N. H. Saunders and C. E. Lomax. 1,800,321; Apr. 14.
Telephone system. N. H. Saunders and C. E. Lomax. 1,830,678; Nov. 3.
Telephone system. H. H. Schneckloth. 1,802,446; Apr. 28.
Telephone system. G. E. Schomaker and R. F. Gould. 1,809,071; June 9.
Telephone system. L. M. Simpson. 1,795,349; Mar. 10.
Telephone system. S. R. Smith. 1,805,153; May 12.
Telephone system. C. G. Spencer and J. A. Hall. 1,831,398; Nov. 10.
Telephone system. M. B. Stazak. 1,829,070–1; Oct. 27.
Telephone system. R. F. Stehlik. 1,799,485; Apr. 7.
Telephone system. R. F. Stehlik and M. L. Pittevil. 1,801,293; Apr. 21.
Telephone system. A. W. Steinke. 1,802,449; Apr. 28.
Telephone system. A. B. Stern. 1,831,931; Nov. 17.
Telephone system. C. E. Stevens and A. Mamor. 1,820,682; Aug. 25.
Telephone system. J. Stich. 1,812,222; June 30.
Telephone system. R. L. Stokely. 1,799,653; Apr. 7.
Telephone system. R. L. Stokely. 1,831,400; Nov. 10.
Telephone system. W. B. Strickler. 1,832,263; Nov. 17.
Telephone system. H. Tatzl. 1,798,507; Mar. 31.
Telephone system. R. Taylor. 1,836,996; Dec. 15.
Telephone system. R. Taylor and C. E. Beale. 1,798,284; Mar. 31.
Telephone system. R. Taylor and L. M. Simpson. 1,812,999; July 7.
Telephone system. A. Tradup. 1,821,993; Sept. 8.
Telephone system. W. S. Vick and G. D. Turton. 1,837,801; Dec. 22.
Telephone system. W. J. Vincent. 1,821,193; Sept. 1.
Telephone system. J. H. Voss and T. F. Crocker. 1,804,575; May 12.
Telephone system. J. H. Voss and B. D. Willis. 1,809,086; June 9.
Telephone system. B. Wallace. 1,797,935; Mar. 24.
Telephone system. W. Whitney. 1,795,813; Mar. 10.
Telephone system. S. C. Winfield-Smith. 1,838,586; Dec. 29.
Telephone system. E. P. G. Wright. 1,818,026; Aug. 11.
Telephone system, Automatic. H. M. Friendly. 1,794,603; Mar. 3.
Telephone system, Automatic. H. M. Friendly. 1,800,787; Apr. 14.
Telephone system, Automatic. H. M. Friendly. 1,800,788; Apr. 14.
Telephone system, Automatic. H. M. Friendly. 1,806,288; May 19.
Telephone system, Automatic. T. O. Gilchrist and D. Murphy. 1,815,198; July 21.
Telephone system, Automatic. O. C. Hovland. 1,811,753; June 23.
Telephone system, Automatic. M. Langer. 1,813,175; July 7.
Telephone system, Automatic. M. Mathias. 1,796,209; Mar. 10.
Telephone system, Automatic. F. Merk. 1,799,175; Apr. 7.
Telephone system, Automatic. W. T. Powell. 1,797,926; Mar. 24.
Telephone system, Automatic. G. Radke. 1,798,495; Mar. 31.
Telephone system, Automatic. R. G. Richardson and M. L. Nelson. 1,811,146; June 23.
Telephone system, Automatic. N. H. Saunders. 1,805,726; May 19.
Telephone system, Automatic. R. F. Stehlik. 1,789,606; Jan. 20.
Telephone system, Automatic. J. H. Voss. 1,792,454; Feb. 10.
Telephone system, Automatic. H. L. Warwick. 1,810,865; June 16.
Telephone system, Automatic. J. Wicks. 1,813,007; July 7.
Telephone system, Automatic. J. Wicks. 1,837,003; Dec. 15.
Telephone system, Automatic and semiautomatic. C. E. J. Nilson and D. L. Lienzén. 1,812,546; June 30.
Telephone system, Automatic or semiautomatic. E. P. G. Wright. 1,829,774; Nov. 3.
Telephone system, Call charging. R. E. Collis. 1,837,206; Dec. 22.
Telephone system, Community dial switching. W. Hatton, C. De Vriendt, and E. J. Rousseau. 1,829,798; Nov. 3.
Telephone system for railroads. J. B. Davis. 1,834,303; Dec. 1.
Telephone system, Intercommunication. G. B. Knös. 1,789,142; Jan. 13.
Telephone system, High frequency. P. Tätz. 1,809,081; June 9.
Telephone system, Multioffice. O. C. Levy, C. E. Lomax, and N. H. Saunders. 1,798,477; Mar. 31.
Telephone system, Multioffice. R. F. Stehlik. 1,793,448; Feb. 17.
Telephone system, Multioffice. R. F. Stehlik. 1,815,169; July 21.
Telephone system, Multioffice. V. S. Tharp. 1,811,445; June 23.
Telephone system, Multioffice automatic. M. Schwartz. Re18,113; June 23.
Telephone system, Remote-control magneto-. W. T. Powell. 1,788,471; Jan. 13.
Telephone system, remote control magneto. W. T. Powell. 1,812,641; June 30.
Telephone system, Rural. L. B. Haigh. 1,836,589; Dec. 15.
Telephone system, Semi-automatic. L. A. Kille. 1,832,306; Nov. 17.
Telephone systems, Call recorder for. R. and T. A. Tilden. 1,793,762; Feb. 24.
Telephone systems, Lockout for outgoing calls for. C. V. Richey. 1,812,984; July 7.
Telephone systems using call indicators, Service observation in. R. F. Stehlik. 1,795,350; Mar. 10.
Telephone testing system. W. Kuhn. 1,804,786; May 12.
Telephone transmission. O. E. Buckley and R. V. L. Hartley. 1,809,828; June 16.
Telephone transmitter. R. C. Hartsough. 1,794,376; Mar. 3.
Telephone transmitter silencer. J. E. Steinberg. 1,814,458; July 14.
Telephone, Wall. H. F. Obergfell. Des. 83,123; Jan. 20.
Telephones, Automatic calling apparatus for automatic. L. and A. Seguin. 1,825,098; Sept. 29.
Telephones, Automatically illuminating dial. L. Di Matteo. 1,815,550; July 21.
Telephones, Fire alarm for. B. G. Holmes. 1,838,144; Dec. 29.

Telephones, Numeral plate for dial. H. J. Sorrells. 1,823,958; Sept. 22.
Telephonic apparatus, Train. I. and S. Berliner. 1,791,487; Feb. 10.
Telephonic instrument. W. P. Stunz. 1,812,571; June 30.
Telephonic messages, Apparatus for automatically recording. B. F. Thornton. 1,831,331; Nov. 10.
Telephony and telegraphy. P. Joly. 1,795,212; Mar. 3.
Telescope. I. Pechan and J. Schier. 1,837,920; Dec. 22.
Telescope, Binocular. A. Steinle. 1,835,534; Dec. 8.
Telescope framing device. L. S. Frappier and E. Boecking. 1,823,355; Sept. 15.
Telescope, Sound. L. S. Frappier and E. Boecking. 1,830,601; Nov. 3.
Telescope, Tacheometric. J. Gröne. 1,788,830; Jan. 13.
Telescope with poro prism system. A. König. 1,793,428; Feb. 17.
Telescopic instrument for subjective determination of the refraction of the eye. W. Thorner. 1,826,844; Oct. 13.
Telescopic jack. J. C. Warren. 1,796,173; Mar. 10.
Telescopic tree pruner. W. Lowe. 1,789,824; Jan. 20.
Telescoping supporting leg and making same. O. U. Zerk. 1,798,513; Mar. 31.
Television. R. L. Davis. 1,797,259; Mar. 24.
Television. H. P. Donle. 1,800,057; Apr. 7.
Television. J. B. Felshin. 1,814,137; July 14.
Television. P. Mertz. 1,806,638; May 26.
Telivision. F. M. Robb. 1,801,756; Apr. 21.
Television and facsimile transmission system, Synchronization in. A. C. Stocker. 1,824,635; Sept. 22.
Television and like apparatus. J. L. Baird. 1,807,464–5; May 26.
Television and telephoto device. J. L. Walker. 1,826,970; Oct. 13.
Television apparatus. H. P. Donle. 1,826,305; Oct. 6.
Television apparatus. P. R. Egger. 1,792,683; Feb. 17.
Television apparatus. W. M. Jones, jr. 1,810,610; June 16.
Television apparatus. V. McCenteno. 1,800,601; Apr. 14.
Television apparatus. G. H. Morse. 1,802,441; Apr. 28.
Television apparatus. L. Oskow. 1,814,181; July 14.
Television apparatus. C. O. Vermillion. 1,826,332; Oct. 6.
Television apparatus. A. H. Watson. 1,787,920–1; Jan. 6.
Television apparatus. V. K. Zworykin. 1,817,502; Aug. 4.
Television device. F. W. Adsit. 1,796,420; Mar. 17.
Television device. F. E. Best. 1,802,802; Apr. 28.
Television device. J. Geloso. 1,811,465; June 23.
Television or other apparatus at a predetermined speed. Driving. J. L. Baird. 1,816,106; July 28.
Television receiving apparatus. V. G. Gustafson. 1,814,382; July 14.
Television, Receiving apparatus for. G. Wald. 1,810,692; June 16.
Television receiving device. G. H. Morse. 1,831,924; Nov. 17.
Television scanning device. L. H. Dawson. 1,825,781; Oct. 6.
Television scanning device. M. Stacho. 1,826,836; Oct. 13.
Television scanning device. O. Tervo. 1,791,481; Feb. 3.
Television scanning system. T. A. Smith. 1,790,491; Jan. 27.
Television system. S. Feingold. 1,789,521; Jan. 20.
Television system. T. A. Smith. 1,797,378; Mar. 24.
Television system. T. A. Smith. 1,810,188; June 16.
Television, System of. V. E. Trouant. 1,832,672; Nov. 17.
Television systems, Mirror disk for. A. Karolus. 1,830,231; Nov. 3.
Television transmission apparatus. G. Wald. 1,790,736; Feb. 3.
Tellurian. M. F. Goodwin. 1,829,829; Nov. 3.
Tellurian. H. M. Vanderhider. 1,814,984; July 14.
Tellurian. J. T. Wise. 1,802,859; Apr. 28.
Temperature and vacuum relief device. J. A. Maynard. 1,812,888; July 7.
Temperature by dehydration, Reducing. W. L. Fleisher. Re17,998; Mar. 10.
Temperature compensator, Speedometer. R. O. Helgeby. 1,816,581; July 28.
Temperature control. C. J. Scanlan. 1,788,067; Jan. 6.
Temperature-control apparatus. C. Wilhjelm. 1,788,787; Jan. 13.
Temperature control apparatus. C. Wilhjelm. 1,829,772; Nov. 3.
Temperature control apparatus, Effective. G. E. Otis. 1,827,099; Oct. 13.
Temperature control, Automatic. E. J. Lees. 1,807,101; May 26.
Temperature control for glass, Automatic. L. D. Soubier. 1,802,789; Apr. 28.
Temperature control for heaters, Automatic. J. A. Martin. 1,834,958; Dec. 8.
Temperature control in chemical reactions. C. R. Downs. 1,789,809; Jan. 20.
Temperature control in liquid phase. C. R. Downs. 1,790,369; Jan. 27.
Temperature control device. F. W. Jaeger. 1,803,708; May 5.
Temperature control device, Automatic. F. F. Uehling. 1,838,336; Dec. 29.
Temperature control means for molten glass. L. Mambourg. 1,805,218; May 12.
Temperature control of glass working and transporting rolls. J. Meyer. 1,833,297; Nov. 24.
Temperature control, Synchronizing fork. R. N. Harmon. 1,835,647; Dec. 8.
Temperature control system. C. H. Kenneweg. 1,833,324; Nov. 24.
Temperature control system. V. G. Vaughan. 1,830,578; Nov. 3.
Temperature control system and apparatus. M. H. Bennett. 1,819,588; Aug. 18.
Temperature control system and apparatus. E. V. Hill. 1,830,273; Nov. 3.
Temperature control system for frequency determining elements. G. P. Walker. 1,831,151; Nov. 10.
Temperature control, System of. A. Hayes. 1,810,172; June 16.
Temperature control, Thermostatic. T. Lidberg. 1,803,629; May 5.
Temperature controlled apparatus. J. A. Spencer. 1,812,722; June 30.
Temperature controlled motor driven roller. W. McKee. 1,820,985; Sept. 1.
Temperature controller. G. H. Seely. 1,796,124; Mar. 10.
Temperature controlling device. B. J. Yanchenko. 1,827,831; Oct. 20.
Temperature-controlling device for internal-combustion engines. E. J. Hall. 1,790,812; Feb. 3.
Temperature indicating device. H. P. Sleeper. 1,824,842; Sept. 29.
Temperature-indicating means. C. W. Gordon. 1,792,086; Feb. 10.
Temperature-indicating means and process. H. H. Harris. 1,788,794; Jan. 13.
Temperature indicator. M. C. Blondin. 1,802,231; Apr. 21.
Temperature indicator. J. Unterholzner. 1,819,347; Aug. 18.
Temperature indicator for electrical apparatus. L. F. Blume. 1,818,785; Aug. 11.
Temperature in electric furnaces and the like, Control of. A .G. Lobley. 1,829,416; Oct. 27.
Temperature of gases, Apparatus for measuring the. R. E. Wilson. 1,791,020; Feb. 3.
Temperature of unit containers, Apparatus for controlling the. L. G. Copeman. 1,824,535; Sept. 22.
Temperature of superheated steam, Method and apparatus for the regulation of the. T. A. Peebles. 1,832,652; Nov. 17.
Temperature regulating and indicating device. D. S. Jacobus. 1,819,244; Aug. 18.
Temperature regulating device. A. L. Wertz. 1,837,000; Dec. 15.
Temperature regulation, Apparatus for. H. F. Bührig. 1,817,232; Aug. 4.
Temperature regulator. J. V. Giesler. 1,806,530; May 19.
Temperature regulator. J. G. Helmstaedter and F. J. Schilling. 1,813,401; July 7.
Temperature regulator. C. L. Stokes. 1,820,035; Aug. 25.
Temperature regulator, Automatic. A. Chagnaud. 1,795,008; Mar. 3.
Temperature regulator, Automatic. A. Greby. 1,815,299; July 21.
Temperature regulator for hollow rotatable elements. L. C. Price. 1,812,802; June 30.
Temperature regulator for leers and the like and method, Duplex. H. A. Wadman. 1,802,991; Apr. 28.
Temperature relief device. J. A. Maynard. 1,814,722; July 14.
Temperature-responsive device. S. Boyer. 1,793,303; Feb. 17.
Temperature-treating apparatus for fluids. H. K. Cristensen and L. J. Bennett. 1,798,725; Mar. 31.
Temperature treatment. J. C. Schaffer. 1,836,510; Dec. 15.
Temperature zones in iceboxes, Designating. B. D. Wood and W. W. Rodgers. 1,827,449; Oct. 13.
Temperatures, Measuring. H. G. Anderson. 1,838,728; Dec. 29.
Temperatures of materials and apparatus for carrying out the aforesaid process, Determination of melting. G. A. de Graaf. 1,789,098; Jan. 13.
Temperatures of vapor phase catalytic reactions, Controlling. F. A. Canon and C. E. Andrews. 1,834,679; Dec. 1.
Tempering furnace. W. Grothe. 1,827,194; Oct. 13.
Tempering machine. G. H. Riblett. 1,836,337; Dec. 15.
Template controlled apparatus. J. L. Anderson and F. E. Rogers. 1,839,170; Dec. 29.
Template for tool designing. R. L. Carter. 1,803,004; Apr. 28.
Temple, Loom. J. Northrop. 1,798,621; Mar. 31.
Tender. E. E. Hicken. Re18,066; May 12.
Tender for locomotives. E. E. Hicken. 1,803,252; Apr. 28.
Tender frame. C. C. C. Burkhardt. 1,814,893; July 14.
Tender frame. C. B. Harbison. 1,810,962; June 23.
Tender frame. C. W. Werst and E. E. Hicken. 1,810,874; June 16.
Tender frame structure. C. B. Harbison. 1,810,961; June 23.
Tender, Locomotive. H. P. Anderson. 1,829,733; Nov. 3.
Tender structure. H. M. Pflager. 1,836,389; Dec. 15.
Tennis and other racquets, Manufacture of. A. Pritchard and C. Monks. 1,839,177; Dec. 29.

Tennis nets, Manufacture of. R. C. Webster. 1,813,717; July 7.
Tennis racket. I. Greenspan. 1,832,298; Nov. 17.
Tennis racket. H. W. Hall. 1,831,413; Nov. 10.
Tennis racket. J. L. M. Guenard. 1,808,035; June 2.
Tennis racket. J. L. Kleinman. 1,790,156; Jan. 27.
Tenoning device. L. Maass. 1,794,859; Mar. 3.
Tenpin housing. R. L. Lloyd. 1,794,968; Mar. 3.
Tensile strength, Apparatus for testing. A. Schopper and G. Dalen. 1,819,719; Aug. 18.
Tension apparatus, High. D. Müller-Hillebrand. 1,824,818; Sept. 29.
Tension controlling device for knitting machines. R. H. Lawson and A. N. Cloutier. 1,822,870; Sept. 8.
Tension control device for printing presses, Paper. K. G. Laycock. 1,825,966; Oct. 6.
Tension controlling means for traveling offset webs. H. M. Barber. 1,806,140–1; May 19.
Tension-controlling means for traveling offset webs. C. B. Cottrell. 1,796,830–2; Mar. 17.
Tension device. H. Parker. 1,836,084; Dec. 15.
Tension device. J. A. Pratt. 1,825,089; Sept. 29.
Tension device for automatic loom shuttles. J. Shaw. 1,832,742; Nov. 17.
Tension indicator. E. P. Cook. 1,838,299; Dec. 29.
Tension device for paint mills. E. Peters. 1,798,627; Mar. 31.
Tension faller bar for spinning mules. W. A. Feugill and J. R. Hosking. 1,811,352; June 23.
Tension means for warp beams and the like. E. Hall. 1,833,746; Nov. 24.
Tension mechanism. L. M. Harvey. 1,789,900; Jan. 20.
Tension on shaft inclosing tubing, Applying. J. A. Wintroath. 1,810,332; June 16.
Tension regulating device. P. M. G. Toulou. 1,830,450; Nov. 3.
Tension regulator for sewing machines, Graduated. D. H. Chason. 1,820,119; Aug. 25.
Tension wheel and making the same. J. L. Hecht. 1,824,888; Sept. 29.
Tensioning device for flexible transmission members, Automatic. M. Duhamel. 1,828,769; Oct. 27.
Tensioning device for knitting machines. C. T. La Mont. 1,835,654; Dec. 8.
Tensometer. O. Smith. 1,829,969; Nov. 3.
Tent. C. W. Adams. 1,839,076; Dec. 29.
Tent. B. G. Eriksson. 1,818,545; Aug. 11.
Tent. S. C. Forrester. 1,820,002; Aug. 18.
Tent. O. Handler. 1,828,656; Oct. 20.
Tent. R. F. Kattmann. 1,813,703; July 7.
Tent. E. Poulsen. 1,827,486; Oct. 13.
Tent. U. Terzoli. 1,808,693; June 2.
Tent. R. F. Warren. 1,820,412; Aug. 25.
Tent. D. S. Waterhouse. 1,800,369; Apr. 14.
Tent and garage, Combined. O. G. Asher. 1,801,711; Apr. 21.
Tent, Automobile. A. R. Hauber. 1,834,489; Dec. 1.
Tent frame. C. A. Brust. 1,823,386; Sept. 15.
Tent frame. C. W. Frederick. 1,801,913; Apr. 21.
Tent frame. K. Lange and Max Busch. 1,801,014; Apr. 14.
Tent-frame construction. C. M. Wickstrum. 1,792,669; Feb. 17.
Tent, Wall. I. P. Smith. 1,833,095–6. Nov. 24.
Tenter clip. W. A. Stelling. 1,799,446; Apr. 7.
Tentering and drying machine. C. C. Kenyon. 1,799,300–1; Apr. 7.
Tentering clip. J. E. Peterson. 1,832,420; Nov. 17.
Tentering machine. S. L. Cluett. 1,800,604; Apr. 14.
Tentering machine. H. A. MacKnight. 1,806,208; May 19.
Terminal, Battery. C. E. Hoover. 1,787,905; Jan. 6.
Terminal block. J. Burke. 1,815,233; July 21.
Terminal block. E. A. Everett. 1,826,869; Oct. 13.
Terminal block. A. W. Seyfried. 1,792,044; Feb. 10.
Terminal board. W. E. Smith. 1,819,657; Aug. 18.
Terminal, Cable. H. C. Mohr. 1,821,443; Sept. 1.
Terminal clamp. L. A. Wallis. 1,808,698; June 2.
Terminal clamp, Storage battery. W. J. Montambault. 1,808,368; June 2.
Terminal connecter. R. A. Ogg. 1,815,212; July 21.
Terminal connecter. A. F. Waltz. 1,808,330; June 2.
Terminal connecter for batteries. J. L. Sottiaux. 1,834,475; Dec. 1.
Terminal connecter, Storage battery. M. Vaccaro. 1,813,829; July 7.
Terminal-connecter unit, Battery-. C. E. Hoover. 1,787,906; Jan. 6.
Terminal connecting and testing element for spark plugs. H. J. Strahan. 1,836,293; Dec. 15.
Terminal-connecting system. R. C. Da Costa. 1,791,123; Feb. 3.
Terminal connection. A. B. Dibner. 1,822,693; Sept. 8.
Terminal connection for electric circuit wires. A. Schneider. 1,812,307; June 30.
Terminal construction for ignition coils. G. J. Lang, J. F. Drennan, and B. E. Schlesinger. 1,805,874; May 19.
Terminal for circuit elements. H. G. Richter. 1,824,447; Sept. 22.
Terminal for electrical devices. E. E. Franz. 1,813,154; July 7.
Terminal for fluid filled cables. E. D. Eby. 1,830,533; Nov. 3.
Terminal for resistors. M. Bjorndal. 1,830,084; Nov. 3.
Terminal hook. H. C. Hieroynmus. 1,833,835; Nov. 24.
Terminal member for switch points, Reversible. R. E. Einstein and B. B. Betts. 1,811,620; June 23.
Terminal structure. A. B. Saurman and J. B. Webb. 1,837,375; Dec. 22.
Terminal, Switch. W. R. Huttinger. 1,839,100; Dec. 29.
Terracing machine. J. Zahirniak. 1,837,310; Dec. 22.
Terry fabric and the resulting product, Weaving. J. A. Talbirt. 1,820,892; Nov. 10.
Terrazzo strip. H. L. Fink. 1,791,267; Feb. 3.
Test clip. R. W. Grace. 1,808,545; June 2.
Test device, Sterilizing-. W. Hargreaves. 1,788,104; Jan. 6.
Tester for the sparking plugs of motor cars. G. Slupinski. 1,796,730; Mar. 17.
Test plug, Pneumatic Y-branch. H. Drees. 1,795,848; Mar. 10.
Test rack. C. A. Campbell. 1,787,509; Jan. 6.
Test set. C. A. Anderson. 1,835,255; Dec. 8.
Test switch. J. E. Baber. 1,822,866; Sept. 8.
Test tube rack. W. D. Turner and E. W. Buskett. 1,836,138; Dec. 15.
Tester for paper stock, Slowness. G. F. French. 1,838,614; Dec. 29.
Testing. R. D. Bonney and W. B. Coleman. 1,827,184; Oct. 13.
Testing apparatus. E. T. Bennington. 1,794,100; Feb. 24.
Testing apparatus. W. M. Darnall. 1,816,178; July 28.
Testing apparatus. H. W. Faus. 1,787,675; Jan. 6.
Testing apparatus. H. C. Robinson and A. M. Malmberg. 1,812,985; July 7.
Testing apparatus and method. J. T. Serduke. 1,792,249; Feb. 10.
Testing apparatus and stock stand, Combined. C. J. McKenna. Des. 85,885; Dec. 29.
Testing apparatus, High-frequency. J. F. Peters and J. L. Rylander. 1,792,320; Feb. 10.
Testing apparatus, Stability. G. E. Chatillon. 1,826,732; Oct. 13.
Testing apparatus, Tube. H. E. Warner. 1,813,215; July 7.
Testing bit. J. H. Highmark. 1,839,153; Dec. 29.
Testing device. L. L. Bray. 1,817,872; Aug. 4.
Testing device. E. S. Stephens. 1,827,547; Oct. 13.
Testing device for centrifugal switches. A. T. Smith. 1,805,192; May 12.
Testing device for cylinders. A. Storm. 1,816,061; July 28.
Testing gauge. J. L. Monk. 1,822,599; Sept. 8.
Testing instrument. F. Jehle, W. R. Spiller, and H. M. King. 1,800,640; Apr. 14.
Testing machine. W. C. Moran. 1,798,948; Mar. 31.
Testing machine. S. N. Senna. 1,834,073; Dec. 1.
Testing machine. L. M. Showers. 1,817,170; Aug. 4.
Testing machine. W. C. Stevens. 1,819,990; Aug. 18.
Testing machine. H. A. and G. P. Talken. 1,836,628; Dec. 15.
Testing machine, Transverse. V. E. Watts. 1,827,805; Oct. 20.
Textile products with reduced luster from cellulose compounds, Preparing artificial. S. I. Vles. 1,838,121; Dec. 29.
Testing system. R. W. Burns. 1,820,116; Aug. 25.
Testing system. O. Cesareo. 1,795,834; Mar. 10.
Testing system. J. B. Draper. 1,816,570; July 28.
Testing system. L. J. Stacy. 1,816,621; July 28.
Testing system. P. G. Edwards and H. W. Herrington. 1,832,969; Nov. 24.
Testing system and apparatus, Stroboscopic. W. D. La Rue. 1,812,348; June 30.
Tetrahedron for jetties and current deflectors, Skeleton. D. F. Sheldon. 1,814,495; July 14.
Tetra methyl thiuram polysulphides, Preparation of. A. Cambron. 1,798,588; Mar. 31.
Textile apparatus. S. Magnano. 1,811,206; June 23.
Textile apparatus. L. Vilt. 1,826,584; Oct. 6.
Textile fabric. C. B. Bennett. Des. 83,143; Jan. 27.
Textile fabric. O. C. Bickel. Des. 83,186; Feb. 3.
Textile fabric. C. H. Davis. Des. 84,229–32; May 26.
Textile fabric. J. C. Earnshaw. Des. 84,277; June 2.
Textile fabric. A. H. Eisenstadt. Des. 85,230; Sept. 29.
Textile fabric. D. F. Gledhill. Des. 83,101; Jan. 20.
Textile fabric. J. J. Hausman. Des. 84,334; June 9.
Textile fabric. R. G. Jennings. 1,799,016; Mar. 31.
Textile fabric. S. Josephs. Des. 83,256–7; Feb. 10.
Textile fabric. W. Kreielsheimer. Des. 84,196; May 19.
Textile fabric. C. Lipper. Re18,139; July 28.
Textile fabric. C. Lipper. 1,797,429; Mar. 24.
Textile fabric. H. Maurus. Des. 85,704–6; Dec. 8.
Textile fabric. H. Maurus. Des. 85,758–60; Dec. 15.
Textile fabric. B. S. Nash. Des. 83,056; Jan. 13.
Textile fabric. B. Nathan. Des. 83,562–5; Mar. 3.
Textile fabric. E. Parsons. Des. 83,274–5; Feb. 10.
Textile fabric. A. A. Ritter. Des. 85,056; Sept. 8.
Textile fabric. H. S. Royle. Des. 84,056; Apr. 28.
Textile fabric. H. S. Royle. Des. 84,375; June 9.
Textile fabric. H. S. Royle. Des. 85,059; Sept. 8.
Textile fabric. F. E. Rudd. Des. 84,443; June 16.
Textile fabric. F. E. Rudd. Des. 85,204; Sept. 22.
Textile fabric. M. W. Ryan. Des. 84,302; June 2.
Textile fabric. W. Schmid. Des. 85,715; Dec. 8.
Textile fabric. J. P. Shorrock. 1,798,111; Mar. 24.
Textile fabric. E. N. Sonnenberg. Des. 83,071; Jan. 13.
Textile fabric. I. de L. Stokes. Des. 83,706; Mar. 17.
Textile fabric. H. Whitehead. Des. 85,451; Oct. 27.

Textile fabric, Coated. J. J. Clifford. 1,792,277; Feb. 10.
Textile fabric, Embroidered. E. W. Freudenberg. Des. 84,235; May 26.
Textile fabric, Embroidered. E. W. Freudenberg. Des. 84,237–8; May 26.
Textile fabric, Embroidered. E. W. Freudenberg. Des. 84,331; June 9.
Textile fabric or a similar article, Embroidered. E. W. Freudenberg. Des. 84,332; June 9.
Textile fabric or a similar article, Embroidered. E. W. Freudenberg. Des. 85,415–24; Oct. 27.
Textile fabric or similar article. F. W. Bader. Des. 83,657; Mar. 17.
Textile fabric or similar article. F. W. Bader. Des. 85,140; Sept. 22.
Textile fabric or similar article. G. M. Fauser. Des. 84,734; July 28.
Textile fabric or similar article. P. S. Gault. Des. 84,283; June 2.
Textile fabric or similar article. A. Grivin. Des. 84,695–6; July 21.
Textile fabric or similar article. G. Kateb. Des. 85,101; Sept. 15.
Textile fabric or similar sheet material. A. Gall. Dec. 84,691; July 21.
Textile fabric, Printed. W. H. Adams. Des. 84,724; July 28.
Textile fabrics, Decatizing of. M. Hahn. 1,804,097; May 5.
Textile fabrics, Flat pressing of. M. Hahn. 1,825,727; Oct. 6.
Textile fabrics, Method of and apparatus for singeing. W. Osthoff. 1,807,703; June 2.
Textile fabrics, Printing. F. Adler. 1,829,700; Oct. 27.
Textile fibers, Apparatus for the fluid treatment of. O. J. Obermaier. 1,798,623; Mar. 31.
Textile fibers, Dyeing. J. G. Kern and C. J. Sala. 1,799,822–3; Apr. 7.
Textile fibers, Dyeing. J. G. Kern and C. J. Sala. 1,799,825; Apr. 7.
Textile fibers, Dyeing and printing of. W. Hentrich, M. Hardtmann, and H. Metzl. 1,832,208; Nov. 17.
Textile fibers, Manufacture of. J. Viallet. 1,795,414; Mar. 10.
Textile fibers or yarns, Apparatus for twisting. J. Berthier. 1,824,464; Sept. 22.
Textile frame, Spinning, doubling, or similar. H. Schneider. 1,798,905; Mar. 31.
Textile machine. T. Lewis. 1,799,915; Apr. 7.
Textile machine. S. Magnano. 1,811,675; June 23.
Textile machinery, Beam supporting means for. W. H. Bahan. 1,814,780; July 14.
Textile machinery, Lubricating. A. E. Becker. 1,789,331; Jan. 20.
Textile manufacture by sewing. B. M. Glover. 1,790,983; Feb. 3.
Textile material. C. Dreyfus. 1,829,983; Nov. 3.
Textile material and process of making. F. G. Murch. 1,815,027; July 14.
Textile material and product thereof, Treating. C. Dreyfus and H. Platt. 1,836,527; Dec. 15.
Textile material, Apparatus for treating. W. B. Bronander. 1,790,132; Jan. 27.
Textile material containing organic esters of cellulose and preparing the same. C. Dreyfus and W. R. Blume. 1,818,466; Aug. 11.
Textile material, Improving vegetable. L. Lilienfeld. 1,800,944; Apr. 14.
Textile material, Method and apparatus for manipulating tubular. C. W. Leguillon. 1,836,718; Dec. 15.
Textile material with chromium, Treating. J. L. Hankey. 1,807,208; May 26.
Textile materials containing carbonizable fibers and products thereof, Treatment of. C. Dreyfus, R. G. Dort and H. Platt. 1,834,339; Dec. 1.
Textile materials containing carbonizable fibers and product thereof, Treatment of. C. Dreyfus, R. G. Dort, and H. Platt. 1,834,388; Dec. 1.
Textile materials, Waterproofing. C. M. E. Schroeder. 1,829,877; Nov. 3.
Textile product, etc., Manufacture of a. R. C. Hartong. 1,787,680; Jan. 6.
Textile strands, Apparatus for preparing. E. J. Abbott. 1,797,393; Mar. 24.
Textile strands, Method of and apparatus for unwinding and winding. E. J. Abbott. 1,797,391; Mar. 24.
Textiles and mechanically producing the same, Embroidered. A. C. and C. A. Moebus. 1,791,599; Feb. 10.
Textiles, Fireproofing and waterproofing. H. R. Offord. and N. T. Mirov. 1,821,317; Sept. 1.
Textiles, Improving. O. Jaeck. 1,802,258; Apr. 21.
Textiles, Method and apparatus for treating. E. D. Jefferson. 1,789,953; Jan. 20.
Textiles, Method and apparatus for treating. E. D. Jefferson. 1,800,639; Apr. 14.
Theater chair. C. C. Adelsperger and H D. Fitzgerald. 1,823,418; Sept. 15.
Theater chair. W. M. Hanson. 1,802,318; Apr. 21.
Theater illumination device. G. H. Cushing. 1,820,599; Aug. 25.
Theater light. J. H. Kliegl. 1,789,103; Jan. 13.
Theater, Miniature. W. P. McHugh. 1,800,948; Apr. 14.
Theaters and distributing sound, Ventilating. R. E. Venderbush. 1,823,479; Sept. 15.
Theft alarm, Automobile. J. Barbeck. 1,792,478; Feb. 17.
Theft preventer for tanks. D. P. Wickline. 1,813,554; July 7.
Theft preventing device. F. E. Beach. 1,818,373; Aug. 11.
Theft preventing device. F. E. Beach and E. G. Petersen. 1,818,668; Aug. 11.
Theft preventive device. D. L. Hittle. 1,807,662; June 2.
Theobromine from natural products containing theobromine, Extracting. F. Seitz. 1,833,597; Nov. 24.
Theodolites and the like, Recording means for readings of. J. A. Gaynor. 1,820,187; Aug. 25.
Therapeutic appliance. J. W. D. Chesney. 1,791,794; Feb. 10.
Therapeutic comb. J. T. Whalen. 1,794,130; Feb. 24.
Therapeutic composition. S. Bialos. 1,816,817; Aug. 4.
Therapeutic device. J. C. Purdie. 1,832,916; Nov. 24.
Therapeutic device. J. Rosett. 1,795,893; Mar. 10.
Therapeutic device. J. H. Weber. 1,820,895; Aug. 25.
Therapeutic heating appliance. F. Formaneck. 1,835,034; Dec. 8.
Therapeutic lamp unit. C. H. Boyles. 1,789,301; Jan. 20.
Therapeutic rays, Producing. E. W. Boerstler. 1,800,277; Apr. 14.
Thermal controlling system. C. C. Boardman. 1,797,256; Mar. 24.
Thermal cut-out. A. J. Green. 1,792,299; Feb. 10.
Thermal element, Adjustable. E. M. Claytor. 1,809,293; June 9.
Thermal release device. E. Besag. 1,806,443; May 19.
Thermal responsive device. C. I. Hall. 1,831,558; Nov. 10.
Thermally-responsive switch. W. E. Laganke. 1,789,183; Jan. 13.
Thermic control device. E. C. Raney. 1,823,511; Sept. 15.
Thermionic device. A. M. Nicolson. 1,814,327; July 14.
Thermionic tube. E. L. Koch. 1,813,241; July 7.
Thermionic tube. W. L. Krahl. 1,828,537; Oct. 20.
Thermionic tube. F. S. McCullough. 1,791,140; Feb. 3.
Thermionic tube. O. T. McIlvaine. 1,837,566; Dec. 22.
Thermocouple, High temperature. H. C. Staehle. 1,823,706; Sept. 15.
Thermoelectric generator. O. Feuszner. 1,789,733; Jan. 20.
Thermoelectric switch. H. I. Jones. 1,795,400; Mar. 10.
Thermoelectroresponsive device. H. E. Rupp. 1,797,369–70; Mar. 24.
Thermoelectroresponsive device. H. E. Rupp. 1,823,630; Sept. 15.
Thermo-magnetically operated device. P. N. Roseby. 1,839,165; Dec. 29.
Thermometer. H. D. Bolton. 1,827,778; Oct. 20.
Thermometer. H. H. Boyce. 1,812,679–80; June 30.
Thermometer. H. B. Brown. Des. 84,226; May 26.
Thermometer. J. G. Hoeflick. Des. 83,676; Mar. 17.
Thermometer. M. E. Moeller. 1,793,950; Feb. 24.
Thermometer. H. Y. Norwood. 1,811,184; June 23.
Thermometer. C. R. Palmer and C. P. Mitchell. 1,819,919; Aug. 18.
Thermometer. H. Schlaich. 1,794,324; Feb. 24.
Thermometer. K. L. Tate. 1,811,190; June 23.
Thermometer and paper clamp, Combined. H. E. Gorsuch. Des. 84,413; June 16.
Thermometer bulb. M. E. Cheney. 1,808,634; June 2.
Thermometer bulbs, Adjustable anchoring fitting for. C. W. Bristol. 1,828,170; Oct. 20.
Thermometer, Clinical. R. F. Schneider. 1,832,139; Nov. 17.
Thermometer, Clinical. R. F. Schneider. 1,833,184; Nov. 24.
Thermometer, Hot water bottle. H. D. Lapkin. 1,829,414; Oct. 27.
Thermometer tube and making the same. M. E. Moeller. Re18,105; June 16.
Thermometer tubes, Apparatus for flattening bulbs of. (See F. Chaney. 1,793,997; Feb. 24.
Thermometers, Process and apparatus for filling. H. Schlaich. 1,801,210; Apr. 14.
Thermomotive device. M. H. Shoenberg. 1,804,709; May 12.
Thermopile. T. A. Mollard. 1,827,252; Oct. 13.
Thermo-responsive device and improving the action thereof. C. T. Evans. 1,818,546; Aug. 11.
Thermos jar. R. A. Taylor. 1,832,798; Nov. 17.
Thermoscope available as a fire indicator and for like purposes, Electric pneumatic. C. De Filippi. 1,819,077; Aug. 18.
Thermostat. M. E. Benesh. 1,808,282–3; June 2.
Thermostat. H. J. Blakeslee. 1,824,114; Sept. 22.
Thermostat. N. T. Branche. 1,804,367; May 5.
Thermostat. W. B. Clifford. 1,798,192; Mar. 31.
Thermostat. H. D. Colman. 1,807,306; May 26.
Thermostat. H. D. Dorfman. 1,802,758; Apr. 28.
Thermostat. W. K. Mason and E. Stevens. 1,829,149; Oct. 27.
Thermostat. H. D. Matthews. 1,809,305; June 9.
Thermostat. R. E. Newell. 1,831,077; Nov. 10.
Thermostat. R. H. Russell. 1,812,718; June 30.
Thermostat. L. Satchwell. 1,798,854; Mar. 31.
Thermostat. W. O. Snelling. 1,811,442; June 23.
Thermostat. J. A. Spencer. 1,813,776; July 7.
Thermostat. A. A. Thomas. 1,795,907; Mar. 10.
Thermostat. A. A. Thomas. 1,803,982; May 5.
Thermostat. A. A. Thomas. 1,822,069; Sept. 8.
Thermostat. A. Wolpert and E. Lapp. 1,833,807; Nov. 24.

Thermostat, Adjustable. J. E. Nelson. 1,838,955; Dec. 29.
Thermostat, Close control. E. Bletz. 1,834,375; Dec. 1.
Thermostat control. R. S. Tice and A. L. Holcomb. 1,790,121; Jan. 27.
Thermostat, Day and night. L. R. Teeple. 1,796,695; Mar. 17.
Thermostat draft control. M. J. Rothrock. 1,834,348; Dec. 1.
Thermostat, Electric. A. A. Thomas. 1,789,608; Jan. 20.
Thermostat, Electric. A. A. Thomas. 1,797,886; Mar. 24.
Thermostat for heating systems. F. K. Bezzenberger and W. R. Zimmerman. Re18,231; Oct. 20.
Thermostat, Freezing. S. M. Bäckström. 1,830,632; Nov. 3.
Thermostat mechanism. H. D. Eaton. 1,791,477; Feb. 3.
Thermostat, Mercury switch. L. R. Teeple. 1,822,605; Sept. 8.
Thermostat switch. A. O. Appelberg. 1,822,191; Sept. 8.
Thermostat switch. E. J. Burt. 1,836,442; Dec. 15.
Thermostatic alarm. H. L. Blome. 1,827,137; Oct. 13.
Thermostatic alarm. E. H. Rollinson. Des. 83,467; Feb. 24.
Thermostatic alarm. F. J. Scholtz. 1,824,933; Sept. 29.
Thermostatic apparatus. T. C. Russell. 1,833,594; Nov. 24.
Thermostatic apparatus. W. B. Hodge. 1,819,987; Aug. 18.
Thermostatic apparatus. J. W. Myers. 1,793,954; Feb. 24.
Thermostatic appliance. A. B. Modine. 1,833,950; Dec. 1.
Thermostatic construction. L. M. Payne. 1,824,789; Sept. 29.
Thermostatic construction and gas passage for gas ranges. A. Stockstrom and I. V. Brumbaugh. 1,794,329; Feb. 24.
Thermostatic control. A. G. McCaleb. 1,837,564; Dec. 22.
Thermostatic control. C. R. Mueller. 1,835,512; Dec. 8.
Thermostatic control. R. H. Shadrick. 1,824,239; Sept. 22.
Thermostatic control. J. Zubaty. 1,815,642; July 21.
Thermostatic control device. R. Portham. 1,837,066; Dec. 15.
Thermostatic control device. G. J. Zisch. 1,822,001; Sept. 8.
Thermostatic control for auxiliary air devices. G. A. Brunelle and C. Bruneel. 1,799,407; Apr. 7.
Thermostatic control for heaters. H. I. Piatt. 1,793,451; Feb. 17.
Thermostatic control for heating systems. J. M. Larson. 1,792,101; Feb. 10.
Thermostatic control for shower heads. R. Hetherington. 1,814,512; July 14.
Thermostatic control for radiator fan motors. H. Lemp. 1,831,961; Nov. 17.
Thermostatic control mechanism. H. H. Eaton. 1,796,193; Mar. 10.
Thermostatic control system. A. Crossley. 1,791,804; Feb. 10.
Thermostatic control system for boilers. O. Fox and W. E. Stark. 1,797,571; Mar. 24.
Thermostatic controller. E. L. Fonseca. 1,796,196; Mar. 10.
Thermostatic controlling device. D. S. Almanrode. 1,815,030; July 21.
Thermostatic device. W. C. Lindemann and E. A. Rutenber. 1,818,563; Aug. 11.
Thermostatic device. E. A. Rutenber. 1,813,427; July 7.
Thermostatic device. G. H. Schwedler. 1,803,565; May 5.
Thermostatic element. A. O. Hurxthal. 1,812,788; June 30.
Thermostatic fuel controlling device. H. W. O'Dowd. 1,814,491; July 14.
Thermostatic release unit. A. C. Rowley. 1,808,684; June 2.
Thermostatic snap control. J. W. Winter. 1,811,287; June 23.
Thermostatic switch. J. E. Britt. 1,823,345; Sept. 15.
Thermostatic switch. T. M. Burkholder. 1,795,831; Mar. 10.
Thermostatic switch. F. S. Denison. 1,818,697; Aug. 11.
Thermostatic switch. G. Herbster. 1,830,657; Nov. 3.
Thermostatic switch. L. P. Hutt. 1,825,591; Sept. 29.
Thermostatic switch. E. C. Raney. 1,829,944; Nov. 3.
Thermostatic switch. W. A. Rankin. 1,791,225; Feb. 3.
Thermostatic switch. F. E. Stover. 1,788,640; Jan. 13.
Thermostatic switch. G. J. Zisch. 1,826,488; Oct. 6.
Thermostatically-controlled switch. R. D. Mailey. 1,788,922; Jan. 13.
Thermostatically-controlled switch. E. Scherer. 1,796,726; Mar. 17.
Thermostatically controlled switch. L. E. Topham. 1,802,792; Apr. 28.
Thermostatically controlled switch. A. M. Young. 1,835,552; Dec. 8.
Thiazoles, Preparing. J. Teppema and L. B. Sebrell. 1,818,935; Aug. 11.
Thickener. C. W. Kurie, jr., and C. W. Ankenv. 1,830,515; Nov. 3.
Thickness of surface coating, Gauging. E. L. Kallander. 1,815,915; July 28.
Thimble. M. Alland. 1,806,730; May 26.
Thimble. L. P. Bruening. 1,822,953; Sept. 15.
Thimble cap for metal bar eyes. H. R. Saxon. 1,812,987; July 7.
Thimble making machine. E. F. Johnson. 1,818,332; Aug. 11.
Thiocyano derivatives, Production of. E. L. Helwig. 1,816,848; Aug. 4.
Thioethers of the anthraquinone series, Production of. A. Luttringhaus. 1,805,916; May 19.
Thistle exterminator. C. H. Meier. 1,802,264; Apr. 21.
Thorium and making the same, Ductile. J. W. Marden and H. C. Rentschler. 1,814,719; July 14.
Thorium, Treating. E. S. Davenport. 1,787,672; Jan. 6.
Thrasher. P. Quintus and C. Quintus. 1,814,494; July 14.
Thrasher. L. H. Thoen. 1,831,208; Nov. 10.
Thrasher, Flax. J. A. Bartosz. 1,835,454; Dec. 8.
Thrasher, Grain. J. Johnson. 1,814,755; July 14.
Thrasher machines, Apparatus for gathering and feeding in crop to stripper harvesting and reaper. H. S. Taylor. 1,817,429; Aug. 4.
Thrashers, Pick-up attachment for harvester. C. R. Raney and M. J. Mitchell. 1,815,327; July 21.
Thrashers, Pneumatic feeding devices for. M. Eisele. Re18,131; July 21.
Thrashing and separating device. T. Dugan. 1,826,752; Oct. 13.
Thrashing and straw reducing machine, Axial. F. Schlayer. 1,824,632; Sept. 22.
Thrashing machine. P. Y. Borodin. 1,790,459; Jan. 27.
Thrashing machine. R. G. Fleming. 1,814,305; July 14.
Thrashing machine. J. E. Hill. 1,790,663; Feb. 3.
Thrashing machine. K. L. and G. W. Karlson. 1,791,673; Feb. 10.
Thrashing machine. L. A. Paradise. 1,835,327; Dec. 8.
Thrashing machine. L. A. Paradise and E. F. Huddle 1,808,785; June 9.
Thrashing. E. E. Wickersham. 1,831,216; Nov. 10.
Thrashing machines, Cutting attachment for. W. and W. Axline, jr. 1,833,519; Nov. 24.
Thread, Apparatus for making artificial-silk. W. H. Furness. 1,788,484; Jan. 13.
Thread, Apparatus for winding artificial silk. W. H. Furness. 1,829,986; Nov. 3.
Thread chasers, Method and apparatus for making. E. A. Walker. 1,793,727; Feb. 24.
Thread cleaner. W. T. Munson. 1,813,633; July 7.
Thread cutter. O. Balzano. 1,819,404; Aug. 18.
Thread cutter. A. F. Miffitt. 1,807,745; June 2.
Thread cutter. R. B. Tresner. 1,814,196; July 14.
Thread cutter, Motor driven. M. E. O. Kelleher. 1,835,308; Dec. 8.
Thread cutting die. S. B. Wilson. 1,832,840; Nov 17.
Thread cutting machine. A. Schumacker. 1,804,708; May 12.
Thread-cutting machine, Rubber-. F. W. Bommer. 1,788,615; Jan. 13.
Thread cutting mechanism. A. A. Gordon. 1,830,271; Nov. 3.
Thread, Device for cutting pack. C. Gerber. 1,838,542; Dec. 29.
Thread feeding mechanism. E. B. Allen. 1,801,252; Apr. 21.
Thread gauge. J. Hartness. 1,819,025; Aug. 18.
Thread gauge. H. Skarl. 1,792,936; Feb. 17.
Thread gauge. E. A. Walker. 1,797,934; Mar. 24.
Thread gauge, Cam controlled. J. Hartness. 1,822,027; Sept. 8.
Thread gauging. J. Hartness. 1,829,797; Nov. 3.
Thread generating cutter. E. W. Miller. 1,833,255; Nov. 24.
Thread grinding machine. H. E. Durkee. 1,807,516; May 26.
Thread-handling apparatus, Artificial-silk.- W. H. Furness. 1,800,829; Apr. 14.
Thread-knotting device. U. Bischof. 1,790,401; Jan. 27.
Thread knotting device. A. Ramseier. 1,828,817; Oct. 27.
Thread, Linen shoe. W. W. Evans. 1,807,571; May 26.
Thread-loop-cutting device. W. Myers. 1,793,866; Feb. 24.
Thread loops between stitched article, Device for cutting inchained. F. Lutz. 1,831,501; Nov. 10.
Thread lubricator. W. A. Schumann and J. M. Hughes. 1,835,435; Dec. 8.
Thread manufacturing process, Artificial hollow. R. Picard. 1,831,030; Nov. 10.
Thread-milling cutter. C. G. Olson. 1,795,093; Mar. 3.
Thread milling machine. P. P. G. Hall. 1,804,686; May 12.
Thread milling machine. R. J. McLeod. 1,806,359; May 19.
Thread moistening guide. E. E. Fischer. 1,810,007; June 16.
Thread package. E. T. Allan. 1,826,491; Oct. 6.
Thread parter and clamp, Shuttle-feeler. F. X. Dion. 1,791,806; Feb. 10.
Thread protector. P. J. Shrum. 1,788,253; Jan. 6.
Thread protector and sucker rod stripper, Combination. M. L. Reed. 1,825,605; Sept. 29.
Thread protector, Pipe. F. K. Krag and J. V. Nelson. 1,821,520; Sept. 1.
Thread tension. F. W. Merrick. 1,788,199; Jan. 6.
Thread tensioner and lubricator. S. Heilweil. 1,800,253; Apr. 14.
Thread-tensioning device. A. Hoffmann. 1,799,165; Apr. 7.
Thread-tensioning device. R. Wuertz. 1,799,666; Apr. 7.
Thread winding machine. H. F. Niogret. 1,822,415; Sept. 8.

Threader. J. F. Klatt. 1,787,867; Jan. 6.
Threading apparatus. R. Hofstetter. 1,827,198; Oct. 13.
Threading device. R. S. Brown. 1,813,480; July 7.
Threading device for sewing-machine stitching elements. K. Maier. 1,801,166; Apr. 14.
Threading device for sewing needles. F. Ragewitz. 1,797,732; Mar. 24.
Threading die. F. Judge. 1,803,192; Apr. 28.
Threading die. J. S. Stull. 1,833,661; Nov. 24.
Threading machine. L. H. Blood. 1,817,607; Aug. 4.
Threading machine. W. Cameron. 1,792,812; Feb. 17.
Threading machine. R. L. Wilcox. 1,798,920; Mar. 31.
Threading machine, Automatic wick. A. Sgritta. 1,803,871; May 5.
Threading method and mechanism. E. H. Barker. 1,805,126; May 12.
Threadless pipe coupling. W. Werner. 1,821,952; Sept. 8.
Threads and making same, New vegetable effect. C. Kalischer and O. Bayer. 1,835,403; Dec. 8.
Threads, fabrics, or other materials composed of or containing artificial filaments, Treatment of. J. F. Briggs, C. W. Palmer, and J. T. Kidd. 1,808,098; June 2.
Threads, fabrics, or other materials composed of or containing artificial filaments, Treatment of. C. W. Palmer and S. M. Fulton. 1,808,061; June 2.
Threads, filaments, and the like, Manufacture and production of artificial. F. D. Lewis. 1,835,956; Dec. 8.
Threads, filaments, bands and the like, Manufacture and production of artificial. W. H. Stokes. 1,823,769; Sept. 15.
Threads from solutions of cellulose ethers or esters, Apparatus for spinning artificial. U. Mancini. 1,809,303; June 9.
Threads, Immunizing. R. Boehringer and H. Wolf. 1,829,735; Nov. 3.
Threads in cloth, Apparatus for correcting displacement of weft. J. J. Lyth. 1,823,205; Sept. 15.
Threads made of cellulosic material at their issue from spinning machines, Device for curling. M. Dassonville. 1,824,661; Sept. 22.
Threads, Manufacture of artificial. P. Schlack. 1,834,806; Dec. 1.
Threads, Mechanism for knotting together. F. Klein, and F. Walsleben. 1,825,872; Oct. 6.
Threads, Method of and apparatus for fluid treatment of textile. M. Schoenfeld. 1,793,562; Feb. 24.
Threads, Method of and apparatus for printing warp. I. B. Merriman. 1,831,969; Nov. 17.
Threads of artificial silk, Treating freshly spun. F. Spindler. 1,830,771; Nov. 10.
Threads or the like, Manufacture of artificial. W. Eller and R. Hofstadt. 1,836,656; Dec. 15.
Threads, Producing fibrous. J. J. de la Roza, sr. 1,817,972; Aug. 11.
Threads, Reeling of artificial. T. Madlung. 1,790,063; Jan. 27.
Threads, ribbons, films, and the like from solutions of cellulose esters and cellulose ethers, Manufacture of. H. L. Barthelemy. 1,826,718; Oct. 13.
Threads, Twisting continuously spun artificial. H. Diele. 1,822,018; Sept. 8.
3-ethyl-4-cyclohexyl-1,2,4-triazole. G. Sscheuing and B. Walach. 1,825,549; Sept. 29.
Threshold. F. C. Garrison. 1,826,613; Oct. 6.
Threshold plate or similar article. S. C. Awbrey. Des. 85,226; Sept. 29.
Throttle and electric motors of a locomotive, Simultaneously controlling the. C. C. C. Burkhardt. 1,807,471; May 26.
Throttle control for motor vehicles. W. H. Halley. 1,795,600; Mar. 10.
Throttle control, Safety. F. Van Vranken. 1,806,960; May 26.
Throttle control device. W. Smith. 1,838,289; Dec. 29.
Throttle, Gas. C. R. Neal. 1,819,111; Aug. 18.
Throttle, Governor. M. Dean. 1,794,835; Mar. 3.
Throttle handle. E. W. Stevens. 1,825,290; Sept. 29.
Throttle, spark, and mixture control. N. Emmons, 3d. 1,793,786; Feb. 24.
Throttle valve operating mechanism. J. G. Blunt and R. W. Clifford. 1,820,373; Aug. 25.
Throwing machine. R. J. Bartholomew. 1,819,634; Aug. 18.
Thumb sucking preventive. P. C. Kaiser. 1,823,904; Sept. 22.
Thymol, Producing. W. Schoeller, H. Jordan, and R. Clerc. 1,812,561; June 30.
Ticker protecting means. A. D. Eitzen. 1,822,771; Sept. 8.
Ticket box. M. Macdonald. 1,797,270; Mar. 24.
Ticket dispensing and registering machine. F. Simone. 1,812,642; June 30.
Ticket dispensing device. C. E. Chalmers. 1,801,800; Apr. 21.
Ticket distributing system. G. A. Drew. 1,803,466; May 5.
Ticket for marking and pricing goods, Display. J. O. E. Scheck. 1,818,164; Aug. 11.
Ticket-issuing machine. G. M. Bethell. 1,792,270; Feb. 10.
Ticket issuing machine. E. C. Tilly. 1,806,654; May 26.
Ticket issuing machine by the introduction of an instrument through the ticket delivery slot, Means to prevent misuse of a. J. F. Ohmer and T. C. Maley. 1,819,195; Aug. 18.
Ticket, Pinless. E. S. Spinney. 1,826,580; Oct. 6.
Ticket, Steamship. C. S. Voelcker. 1,790,033; Jan. 27.
Tickets and the like, Apparatus for printing and registering fare. C. Hanel. 1,815,253; July 21.
Tide and current motor. N. E. Bray. 1,790,969; Feb. 3.
Tide and wave motor. F. W. Morse. 1,790,058; Jan. 27.
Tide power apparatus. W. E. Jenkins. 1,819,749; Aug. 18.
Tie. J. A. Janisse. 1,800,535; Apr. 14.
Tie. E. N. Miller. 1,800,802; Apr. 14.
Tie. S. Richman. 1,791,638; Feb. 10.
Tie: *See*—
Bar tie.
Four-in-hand tie.
Package tie.
Price ticket tie.
Railway tie.
Tie and fastener, Metal railway. O. L. Chamness, R. B. Alfonte, and T. I. Philpott. 1,798,191; Mar. 31.
Tie and rail clamp, Railroad. O. S. Gage. 1,789,545; Jan. 20.
Tie and rail fastening, Railway. M. H. Loughridge. 1,813,941; July 14.
Tie back. R. M. Pickard. Des. 83,005; Jan. 6.
Tie back for curtain draperies. R. M. Pickard. Des. 84,204; May 19.
Tie, Concrete railroad. R. M. Schumann. 1,833,375; Nov. 24.
Tie for concrete structures, Form. J. L. Weber. 1,803,819; May 5.
Tie for holding veneer on concrete walls. F. Jagger. 1,831,565; Nov. 10.
Tie for reenforcing rods. E. Ehlers. 1,816,833; Aug. 4.
Tie form and holder. H. G. Scott. 1,811,097; June 23.
Tie handle. C. P. Orr. 1,805,845; May 19.
Tie hanger. V. P. Kennard. 1,813,932; July 14.
Tie member for protected metal sheets. J. H. Young. 1,838,349; Dec. 29.
Tie or clamp for building forms. H. H. Toogood. 1,820,509; Aug. 25.
Tie plate. R. E. Bell. 1,834,890; Dec. 1.
Tie plate. W. S. Boyce. Re17,960; Feb. 10.
Tie plate. W. S. Boyce. 1,837,183; Dec. 15.
Tie plate. C. E. Ennis and J. W. Reynolds. 1,822,963; Sept. 15.
Tie plate. R. W. Frawley and G. C. Bruner. 1,807,062; May 26.
Tie plate. W. R. Hewitt. 1,836,713; Dec. 15.
Tie plate. F. Huff. 1,821,807; Sept. 1.
Tie plate. J. P. Kloar. 1,789,590; Jan. 20.
Tie plate. J. G. McClurg. 1,802,121; Apr. 21.
Tieplate and rail gripper, Combination. J. W. Hood. 1,798,673; Mar. 31.
Tieplate, Combination. F. C. Hasse and I. Allison. 1,798,671; Mar. 31.
Tie plate, Combination. F. C. Hasse and I. Allison. 1,800,292. Apr. 14.
Tie-plate or iron tie and anticreeper for rails, Combination. D. Sinkovich. 1,817,325; Aug. 4.
Tie plate, Rail silencing. W. M. Osborn. 1,826,566; Oct. 6.
Tie rack. W. H. Brown. 1,801,950; Apr. 21.
Tie rack. J. H. Horstman. Des. 85,287; Oct. 6.
Tie remover. C. McManus. 1,836,082; Dec. 15.
Tie rod. G. H. Hufferd. 1,798,843; Mar. 31.
Tie rod. J. Sneed. 1,829,305–6; Oct. 27.
Tie rod, Adjustable. W. H. Sauvage. 1,815,420; July 21.
Tie rod construction. F. C. Crawford and M. P. Graham. 1,828,891; Oct. 27.
Tie-rod end construction. F. C. Crawford. 1,796,142; Mar. 10.
Tie rod end construction. G. H. Hufferd. 1,803,257; Apr. 28.
Tie rod for wire fabric belts. E. F. Pink. 1,803,144; Apr. 28.
Tie scupper. A. G. Leake. 1,814,715; July 14.
Tie spacer for railroad and like bridges. J. N. Ostrom. 1,838,784; Dec. 29.
Tie spacer, Railway-. J. Clark. 1,790,090; Jan. 27.
Tie spacing device. R. K. Graham and P. Young. 1,836,753; Dec. 15.
Tie stay. C. F. Wolf. 1,836,517; Dec. 15.
Tie structure, Rail-. E. J. Behler. 1,796,701; Mar. 17.
Tie tamper. J. Clark. 1,790,039; Jan. 27.
Tie-tamping system and operating the same. C. S. Weyandt. 1,819,009; Aug. 18.
Ties, Device for making. L. Friedman. 1,831,592; Nov. 10.
Ties, Reshaping device for. P. Perez. 1,828,472; Oct. 20.
Tight center bar. G. Langford. 1,799,380; Apr. 7.
Tile. A. A. Heeren. 1,787,447; Jan. 6.
Tile. V. J. Hultquist. 1,832,397; Nov. 17.
Tile. H. L. Wheeler. 1,803,158; Apr. 28.
Tile and making same, Transparent. J. T. Nicholson. 1,804,508; May 12.
Tile and tile roof, Cap. E. Hering. 1,806,685; May 26.
Tile, Apparatus and method for making closed. R. A. Shipley. 1,800,324; Apr. 14.
Tile assembling and pasting machine. F. B. Yingling. 1,828,013; Oct. 20.
Tile block. B. B. Bolton. Des. 82,970; Jan. 6.
Tile board. R. G. Stanbrough. 1,796,272; Mar. 10.
Tile breaker. W. Aitchison. 1,828,796; Oct. 27.
Tile, Cap. L. V. Solon. 1,833,442; Nov. 24.
Tile, Ceramic. N. H. Cederquist. 1,790,227; Jan. 27.
Tile, Composite wall. R. P. Stranahan. 1,838,237; Dec. 29.

Tile construction, Sheet metal wall. H. Honer. 1,821,343; Sept. 1.
Tile, Corner. J. C. De Vol. 1,833,672; Nov. 24.
Tile cutting machine. J. W. Denmead. 1,826,056; Oct. 6.
Tile cutting machine. O. Walter. 1,824,000; Sept. 22.
Tile, Fireproof. C. W. Hall. 1,790,418; Jan. 27.
Tile, Fixture. G. H. McFarlin. 1,807,630; June 2.
Tile, Floor. C. W. Akers. 1,828,237; Oct. 20.
Tile for a wall cap course, Surface. R. M. Supphen. Des. 83,766; Mar. 24.
Tile-forming machine. J. F. Makowski. 1,789,558; Jan. 20.
Tile-glazing machine. G. F. Wilde and B. K. Eskensen. 1,792,788; Feb. 17.
Tile handling machine. J. A. Bower. 1,821,001; Sept. 1.
Tile, Imitation roofing. V. H. Street. 1,814,347; July 14.
Tile, Irrigating. J. Sinclair. 1,801,758; Apr. 21.
Tile, Making. A. Malinovszky. 1,819,686; Aug. 18.
Tile making attachment to vibrating machines. E. E. McWain. 1,805,180; May 12.
Tile-making machine. A. W. Schultz. 1,788,638; Jan. 13.
Tile-making process. D. A. Cable. 1,791,234; Feb. 3.
Tile, Metallic. E. O. Mehline. 1,820,624; Aug. 25.
Tile or brick, Making insulating. E. B. Bjorkman. 1,823,928; Sept. 22.
Tile panel strip construction. C. D. Nilsen. 1,806,948; May 26.
Tile, Roofing. E. A. Mastick. 1,826,082; Oct. 6.
Tile, Roofing. W. A. Sutherland. 1,814,532; July 14.
Tile, Sewer. J. Voytko. 1,833,098; Nov. 24.
Tile shaping and trimming machine. G. Larson. 1,828,869; Oct. 27.
Tile structure, Pneumatic. J. T. Crute. 1,802,877; Apr. 28.
Tile, Trim. H. C. Ross. 1,796,051; Mar. 10.
Tile, Wall bearing ceramic. P. J. Conley. 1,825,779; Oct. 6.
Tiling. R. P. Herrold. Des. 84,340–3; June 9.
Tiling, Wall. K. G. Dieterich. 1,794,158; Feb. 24.
Tiling, Wall. G. L. Bennett. 1,829,976; Nov. 3.
Tiles or the like, Apparatus for displaying. R. M. Ziegler, A. Pardee, and H. W. Warden, jr. 1,802,102; Apr. 21.
Till, Cash. A. Godefroid. 1,836,916; Dec. 15.
Tillage implement. C. T. Ray. 1,804,513; May 12.
Tilling machine. L. Dufour. 1,819,950; Aug. 18.
Tilter device. F. L. M. Kenney. 1,806,977; May 26.
Tilting table. H. S. Allison. 1,792,209; Feb. 10.
Timber jack. V. Fazio. 1,795,548; Mar. 10.
Timber ties, Milling the rail seats of. W. Bänfer. 1,830,977; Nov. 10.
Timbers, Apparatus for the treatment of. T. W. Smith 1,838,585; Dec. 29.
Time-announcing system, Telephonic. M. L. Zimmer. 1,796,906; Mar. 17.
Time calculating and wage computing machine. L. Cygon. 1,820,378; Aug. 25.
Time control for bread toasters and the like. F. I. Lauter. 1,834,064; Dec. 1.
Time controlled switch. H. W. Driftmeyer. 1,824,040; Sept. 22.
Time-controlled switch. J. N. Economics. 1,796,079; Mar. 17.
Time controlled switch. C. R. Gains. 1,821,629; Sept. 1.
Time-controlled switch. V. Petterson. 1,788,203; Jan. 6.
Time-controlled switch. F. X. Rudler. 1,795,234; Mar. 3.
Time controlled switch. E. E. Stone. 1,809,428; June 9.
Time controller. R. W. Brown. 1,828,126; Oct. 20.
Time delay apparatus. W. K. Kearsley. 1,819,999; Aug. 18.
Time delay device, Electromagnetic. E. C. Lefrançois. 1,836,761; Dec. 15.
Time element control system and apparatus. C. S. Hull. 1,813,743; July 7.
Time element device. W. A. Atwood. 1,810,591; June 16.
Time indicator, Elapsed. F. B. Love and B. H. Smith. 1,830,553; Nov. 3.
Time indicator, Elapsed-. J. B. Weir. 1,790,359; Jan. 27.
Time indicator for motor vehicles. A. H. Auler. 1,835,584; Dec. 8.
Time intervals, Apparatus for measuring. J. W. Livingston. 1,831,458; Nov. 10.
Time intervals, Method and apparatus for measuring small. E. B. Smith. 1,813,969; July 14.
Time intervals, Method of and apparatus for measuring. C. S. Snavely and H. E. Ashworth. 1,801,291; Apr. 21.
Time period device. G. M. Wright. 1,832,345; Nov. 17.
Timepiece. G. Jacot. 1,789,043; Jan. 13.
Timepiece. A. L. Jeanneret. 1,825,906; Oct. 6.
Timepiece. S. Trottman. 1,818,590; Aug. 11.
Timepiece. P. J. Weiss. 1,835,831; Dec. 8.
Timepiece regulator. H. Haefliger. 1,835,391; Dec. 8.
Timepiece, Self-winding. L. Burke. 1,799,454; Apr. 7.
Timepiece, Self-winding. G. Jacot. 1,794,622; Mar. 3.
Timepiece serving as a watch or traveling clock. F. Bosch. 1,804,048; May 5.
Timepiece winding mechanism. M. Bloch. 1,812,581; June 30.
Timepieces, Power-controlling mechanism for. W. H. Greenleaf. 1,796,890; Mar. 17.
Timepieces, Ratchet mechanism for. F. Wehinger. 1,798,918; Mar. 31.
Timepieces, Winding mechanism for. H. L. Stringer. 1,808,691; June 2.
Time recorder. J. W. Bryce. 1,807,828; June 2.
Time recorder. E. G. Streckfuss. 1,800,414; Apr. 14.
Time recorder. G. R. Wood. 1,791,946; Feb. 10.
Time recording. L. E. Kittredge and L. A. Dorff. 1,823,944; Sept. 22.
Time-recording device. G. H. Derrick. 1,797,332; Mar. 24.
Time recording device. T. C. Riebe. 1,827,208; Oct. 13.
Time-recording system. F. E. Garbutt. 1,787,940; Jan. 6.
Time register. P. A. Cooney. 1,787,934; Jan. 6.
Time registering instrument. J. L. Jensen. 1,830,277; Nov. 3.
Time release mechanisms. A. P. Bartusch and G. V. Jefferson. 1,802,367; Apr. 28.
Time switch. V. E. Extrom and P. J. N. Miller. 1,794,067; Feb. 24.
Time switch. J. Ferguson. 1,820,306; Aug. 25.
Time switch. W. K. Kearsley. 1,820,808; Aug. 25.
Time switch. R. T. Rutherford. 1,805,010; May 12.
Time switch. R. W. E. Vickery. 1,789,057; Jan. 13.
Time switch, Adjustable accessory. R. R. Gonsett. 1,825,660; Oct. 6.
Time switch, Astronomical. C. E. De Long. 1,826,749; Oct. 13.
Time switch, Motor operated. E. W. Denman. 1,837,022; Dec. 15.
Timer control. J. L. Arthur. 1,801,583; Apr. 21.
Timing apparatus. R. M. Hicks. 1,808,167; June 2.
Timing apparatus. R. M. Hicks. 1,824,348; Sept. 22.
Timing apparatus, Radiographic. W. S. Werner. 1,813,216; July 7.
Timing control for circuit breakers. A. W. Welcome. 1,825,138; Sept. 29.
Timing device. C. J. Buckwalter. 1,803,094; Apr. 28.
Timing device. J. K. Shelledy. 1,823,668; Sept. 15.
Timing device. R. V. Tuttle. 1,813,780; July 7.
Timing device. J. B. Willis. 1,803,226; Apr. 28.
Timing device, Coin-controlled. S. L. Miller and C. J. Anderson. 1,799,056; Mar. 31.
Timing device, Automatic. W. E. Porter. 1,831,605; Nov. 10.
Timing device, Automatic. F. S. Smith. 1,838.964; Dec. 29.
Timing device for gathering and binding machines. R. E. Ackley. 1,794,050; Feb. 24.
Timing device for talking motion pictures and the like. B. M. Battey. 1,833,015; Nov. 24.
Timing mechanism. A. W. Caps. 1,791,555; Feb. 10.
Timing mechanism for egg boilers and the like. F. E. Hummel and J. J. Noeth. 1,812,266; June 30.
Timing mechanism for printing machines. W. K. Eckhard. 1,818,312; Aug. 11.
Timing mixing and other operatings, Mechanism for. S. Shafer, jr. 1,800,666; Apr. 14.
Tin compounds, Recovery of. G. Buttfield. 1,804,551; May 12.
Tin foil or the like, Device to cut holes in strips or webs of. G. Elsaesser. 1,801,337; Apr. 21.
Tin from alkaline stannate solutions, Recovery of. W. T. Little. 1,811,142; June 23.
Tin from alloys, Separating. A. Hanak. 1,832,386; Nov. 17.
Tin from antimonial lead and alloy, Removal of. T. D. Jones. 1,821,643; Sept. 1.
Tin from ores, alloys, scrap or the like, Extraction of. L. Lamy, E. Mathieu, and L. Gagnaux. 1,826,552; Oct. 6.
Tin from stannate solutions, Recovery of. W. T. Little. 1,811,360; June 23.
Tin pack handling mechanism. J. W. Perry. 1,824,228; Sept. 22.
Tin plate, Method of and apparatus for the manufacture of. S. E. Diescher. 1,810,699; June 16.
Tin, Producing. A. L. J. Queneau. 1,816,742; July 28.
Tin with opening device. L. Couade. 1,818,695; Aug. 11.
Tinsel winding machine. H. H. Beneze. 1,837,752; Dec. 22.
Tint laying machine. L. J. Brown. 1,819,071; Aug. 18.
Tints, Dyeing silk fast. F. Grether. 1,833,249; Nov. 24.
Tip for cutting torch. G. C. Quelch. 1,832,319; Nov. 17.
Tip plate for a tooth. A. S. Wells. 1,803,579; May 5.
Tip-up. F. H. Laurila. 1,826,251; Oct. 6.
Tip-up. J. A. Oberg. 1,803,914; May 5.
Tire. B. Darrow. Des. 85,032; Sept. 8.
Tire. B. Darrow. Des. 85,169; Sept. 22.
Tire. M. A. Dreher. Des. 85,034; Sept. 8.
Tire. F. D. Goodlake. 1,819,891; Aug. 18.
Tire. E. H. Gorsuch and F. F. Slack. Des. 85,580; Nov. 17.
Tire. A. Hargraves Des. 83,804; Mar. 31.
Tire. N. La Jone. Des. 84,528; June 30.
Tire. C. Neimeyer and W. A. Brubaker. 1,833,225; Nov. 24.
Tire. R. H. Nesmith. Des. 83,637; Mar. 10.
Tire. A. S. Norment. 1,824,680; Sept. 22.
Tire. H. D. Reichard. Des. 85,055; Sept. 8.
Tire. E. M. Sears. Des. 85,209; Sept. 22.
Tire. L. E. Sexton. Des. 85,623; Nov. 24.
Tire. C. M. Sloman. Des. 85,063; Sept. 8.
Tire. D. K. Sloteman. Des. 85,308; Oct. 6.
Tire. R. Smith. Des. 84,963; Aug. 25.
Tire. S. P. Thacher. Des. 84,008; Apr. 21.
Tire and analogous article of manufacture, Rubber. A. Brill. 1,806,838; May 26.

Tire and manufacturing the same, Pneumatic. J. R. Gammeter. 1,807,909; June 2.
Tire and method of and apparatus for building the same, Pneumatic. H. A. Denmire. 1,810,072; June 16.
Tire and process of making, Rubber. L. A. Laursen. 1,805,146; May 12.
Tire and rim, Pneumatic. A. H. Shoemaker. 1,822,320; Sept. 8.
Tire and wheel lock, Spare. M. C. Skaggs. 1,837,683; Dec. 22.
Tire attachment, Spare-. E. A. Seward. 1,796,628; Mar. 17.
Tire, Automobile. B. Omoto. Des. 83,640; Mar. 10.
Tire, Automobile. I. J. Shelton and C. V. Jacobi. 1,814,340; July 14.
Tire, Automobile. C. B. Woodworth. 1,808,278; June 2.
Tire, Automobile. G. H. Young. 1,797,538; Mar. 24.
Tire balancing mechanism. L. H. Eakins. 1,832,479; Nov. 17.
Tire, Balloon. C. J. Dolding. 1,835,639; Dec. 8.
Tire bead and making same. J. C. Carlin. 1,809,106; June 9.
Tire bead construction and making same. C. W. Leguillon. 1,813,176; July 7.
Tire bead covering machine. F. D. Fowler. 1,829,041; Oct. 27.
Tire-bead reinforcing element. C. C. Harrah. 1,819,747; Aug. 18.
Tire beads, Process and apparatus for covering. H. A. Denmire. 1,808,710; June 2.
Tire boot. C. Henry. 1,789,748; Jan. 20.
Tire boot. C. P. McCormick. 1,828,333; Oct. 20.
Tire building apparatus. H. E. Waner. 1,834,559; Dec. 1.
Tire building core, Collapsible. F. D. Mason. 1,815,359; July 21.
Tire-building drum. C. B. Hudson. 1,792,462; Feb. 10.
Tire building form, Collapsible. P. de Mattia. 1,808,295; June 2.
Tire-building machine. G. Bäckdahl. 1,789,858; Jan. 20.
Tire building machine. G. F. Wikle. 1,813,264; July 7.
Tire building machine. G. F. Wikle. 1,837,350; Dec. 22.
Tire building machine. G. F. Wikle. 1,837,351; Dec. 22.
Tire-building machines, Stitcher for. A. J. Dexter. 1,795,929; Mar. 10.
Tire carcass, Securing a thread to a. W. C. State. 1,805,026; May 12.
Tire carrier. F. G. Alborn and E. H. Savage. 1,797,222; Mar. 24.
Tire carrier. J. J. Appel. 1,813,094; July 7.
Tire carrier. S. C. Fournet. 1,797,645; Mar. 24.
Tire carrier. O. F. Gottlieb. 1,836,465; Dec. 15.
Tire carrier. A. Hebner. 1,798,939; Mar. 31.
Tire carrier. E. A. Nelson. 1,834,861; Dec. 1.
Tire carrier. W. L. Poyner. 1,799,024; Mar. 31.
Tire carrier, Automobile. E. H. McCloud. 1,800,309; Apr. 14.
Tire carrier, Fender-well. L. Blackmore. 1,797,710; Mar. 24.
Tire carrier lock. L. Blackmore. 1,812,466–7; June 30.
Tire carrier lock. L. Blackmore. 1,816,563; July 28.
Tire carrier lock. F. H. Le Jeune. 1,829,415; Oct. 27.
Tire carrier, Roadster. W. R. Milner. 1,837,666; Dec. 22.
Tire carrier, Spare. J. L. Gilmore. 1,825,268; Sept. 29.
Tire carrier, Underslung. V. Jantsch. 1,803,938; May 5.
Tire casing. B. R. Prall. Des. 85,003; Sept. 1.
Tire casing. G. Reinhardt. Des. 84,441; June 16.
Tire-casing cushion. H. Omenitsch. 1,791,935; Feb. 10.
Tire casing spreader. B. E. Johnson. 1,823,545; Sept. 15.
Tire casing spreading machine. O. E. Sords. 1,811,284; June 23.
Tire casings, Apparatus for manufacturing. A. O. Abbott. 1,796,177–80; Mar. 10.
Tire casings, Making. W. J. Steinle. 1,801,759; Apr. 21.
Tire chain keeper. G. Klintworth. 1,828,714; Oct. 20.
Tire-chain lock. B. E. Lang. 1,789,185; Jan. 13.
Tire changer. G. J. Armstrong. 1,829,433; Oct. 27.
Tire changer. R. E. Manley. 1,793,863; Feb. 24.
Tire changer. P. V. Morgan. 1,809,388; June 9.
Tire changer. G. E. Weaver and W. B. Mackintosh. 1,792,667; Feb. 17.
Tire changer, Automatic. R. E. Manley. 1,793,864; Feb. 24.
Tire changer jaw holding means. C. G. Nathe, jr. 1,813,310; July 7.
Tire changer, Screw operated. R. E. Manley and F. T. Flinchbaugh. 1,836,540; Dec. 15.
Tire chuck. J. A. Vincent. 1,815,533; July 21.
Tire construction. D. T. Hicks and V. L. Smithers. 1,836,468; Dec. 15.
Tire construction. T. Midgley. 1,802,088; Apr. 21.
Tire construction, Demountable pneumatic-. A. Sala. 1,795,798; Mar. 10.
Tire core. I. K. Rystedt. 1,799,124; Mar. 31.
Tire, Cushion. W. Barber. 1,822,556; Sept. 8.
Tire, Cushion. J. J. Freerksen. 1,808,404; June 2.
Tire, Cushion. L. Matlock. 1,790,992; Feb. 3.
Tire, Cushion. A. J. Reynolds. 1,825,982; Oct. 6.
Tire cushion. G. H. Young. 1,819,632; Aug. 18.
Tire display stand. F. C. Collins 1,810,345; June 16.
Tire, Emergency. J. Steinberg. 1,791,293; Feb. 3.
Tire for railway vehicles. A. J. Michelin. 1,833,718; Nov. 24.
Tire flaps, Apparatus for curing. R. W. Snyder. 1,797,180; Mar. 17.
Tire former and chuck. C. H. Desautels. 1,832,478; Nov. 17.
Tire former and chuck. P. W. Lehman. 1,832,489; Nov. 17.
Tire for wheels, Resilient. J. Davey. 1,809,889; June 16.
Tire gauge. H. J. Bennett. 1,800,196; Apr. 14.
Tire gauge. M. E. Mitchell and A. F. Swan. 1,813,249; July 7.
Tire gauge. H. N. Thune. 1,823,414; Sept. 15.
Tire guard for automobiles. H. Victor. 1,805,933; May 19.
Tire handling machine. De W. T. Blackmon. Des. 18,050; Apr. 21.
Tire, Hollow cushion. G. F. Fisher. 1,817,356; Aug. 4.
Tire inflater. R. L. Rymal. 1,792,123; Feb. 10.
Tire inflating and deflating apparatus, Pneumatic. W. A. Harris. 1,805,397; May 12.
Tire-inflating device. M. Rocher. 1,799,122; Mar. 31.
Tire inflating device. M. G. Zinsitz. 1,834,234; Dec. 1.
Tire-inflating device, Automatic. E. G. Marcarenhas. 1,793,429; Feb. 17.
Tires, Inflating device for pneumatic. A. J. Michelin. 1,834,033; Dec. 1.
Tire-inflating mechanism. R. H. Hutchinson. 1,794,900; Mar. 3.
Tire inflation. M. G. Zinsitz. 1,788,699; Jan. 13.
Tire inflation device. J. F. Bowers. 1,801,716; Apr. 21.
Tire inflation device. S. M. Weisberg. 1,818,178; Aug. 11.
Tire inflation mechanism, Automatic. J. W. Pippin. 1,816,693; July 28.
Tire inflation system, Pneumatic. E. F. Maas. 1,827,662; Oct. 13.
Tire-inspection machine. H. B. Sabin. 1,790,949; Feb. 3.
Tire lock. J. Galemmo. 1,800,725; Apr. 14.
Tire lock. E. G. Petersen. 1,801,977; Apr. 21.
Tire lock, Anti-theft. F. W. Henke, jr. 1,828,658; Oct. 20.
Tire lock, Fender-well. C. M. Ellenberger. 1,796,194; Mar. 10.
Tire lock, Spare. L. Blackmore. 1,803,931; May 5.
Tire lock, Spare-. W. L. Hawkins. 1,799,462; Apr. 7.
Tire lock, Spare-. J. Junkunc. 1,800,943; Apr. 14.
Tire-making apparatus. W. C. State. 1,792,778; Feb. 17.
Tire mold and its manufacture. A. G. Cole and H. B. Cochran. 1,831,288; Nov. 10.
Tire-mold construction. O. M. Fredd. 1,793,473; Feb. 24.
Tire mold opener. H. D. Stevens. 1,820,892; Aug. 25.
Tire mold servicing machine. P. W. Lehman. 1,809,856; June 16.
Tire patch. P. E. Hawkinson. 1,826,073;; Oct. 6.
Tire patch applier. C. E. Dunlap. 1,801,954; Apr. 21.
Tire, Pneumatic. J. Arico. 1,820,766; Aug. 25.
Tire, Pneumatic. A. L. Broussard. 1,807,728; June 2.
Tire, Pneumatic. E. Hibbert. 1,829,483; Oct. 27.
Tire, Pneumatic. A. Kahlow. 1,788,059; Jan. 6.
Tire, Pneumatic. A. J. Musselman. 1,827,668; Oct. 13.
Tire, Pneumatic. C. Paridy. 1,813,758; July 7.
Tire, Pneumatic. A. H. Shoemaker. 1,836,091; Dec. 15.
Tire pressure maintainer, Automatic. J. W. Poorman. 1,826,523; Oct. 6.
Tire protector. G. H. Pappas. 1,812,710; June 30.
Tire puller. E. H. Lawrence. 1,822,409; Sept. 8.
Tire-pulling device. M. Dwork. 1,788,283; Jan. 6.
Tire, Punctureproof. A. H. Nellen. 1,790,629; Jan. 27.
Tire, Punctureproof-resilient. S. Bardaxoglou. 1,788,042; Jan. 6.
Tire, Punctureproof vehicle. K. A. Berberian. 1,795,104; Mar. 3.
Tire rasp. J. W. Scott. 1,832,509; Nov. 17.
Tire removing machine. G. Van Daam. 1,824,246; Sept. 22.
Tire repair. C. H. Zimmerman. 1,832,802; Nov. 17.
Tire replacing machine. J. J. Mascuch. 1,804,222; May 5.
Tire, Resilient. E. de A. Braga. 1,825,502; Sept. 29.
Tire rim. L. Benz. 1,811,109; June 23.
Tire rim. F. J. Dusel. 1,806,676; May 26.
Tire rim breaking machine. A. S. Gray. 1,810,881; June 16.
Tire, rubber. L. Härter. 1,815,507; July 21.
Tire, Self locking floating. S. T. Nicholson. 1,832,784; Nov. 17.
Tire shaping apparatus. W. L. Pipes. 1,835,669; Dec. 8.
Tire shoes from drop-center rims, Device for removing. P. V. Morgan. 1,791,681; Feb. 10.
Tire-splitting apparatus. J. A. Worlund. 1,795,920; Mar. 10.
Tire spreader. J. A. Edelmann. 1,815,764; July 21.
Tire spreader. J. Giet. 1,797,860; Mar. 24.
Tire, Spring. N. M. Mygas. 1,794,529; Mar. 3.
Tire stand, Collapsible. H. B. Gibbs. 1,812,781; June 30.
Tire structure. F. W. Krone. 1,789,761; Jan. 20.
Tire testing machine. J. I. Martin. 1,809,347; June 9.
Tire testing machine. T. Midgley. 1,809,860; June 16.
Tire tread cutting machine. A. R. Krause. 1,823,611; Sept. 15.
Tire tread, Pneumatic-. H. A. Brittain. 1,797,187; Mar. 17.
Tire tube, Self sealing. J. R. Crossan. 1,810,038; June 16.
Tire tube tester and bucket, Folding. W. A. Henry. 1,827,232; Oct. 13.
Tire, Vehicle. V. Castorina. 1,816,176; July 28.
Tires, Airplane. J. A. Faucher and E. P. Halliburton. 1,833,019; Nov. 24.

Tires and other rubber articles, Apparatus for vulcanizing. P. Wieghardt. 1,798,826; Mar. 31.
Tires and products, Making. A. O. Abbott, jr. 1,836,057; Dec. 15.
Tires and the like, Curing. H. R. Minor. 1,808,428; June 2.
Tires, Apparatus for making cushion. E. and G. Nelson. 1,814,731; July 14.
Tires, Apparatus for manufacturing. R. F. Ternes. 1,796,169; Mar. 10.
Tires, Apparatus for retreading. J. C. Heintz. 1,810,963; June 23.
Tires, Apparatus for vulcanizing. H. Willshaw, T. Norcross, and F. G. Broadbent. 1,809,433; June 9.
Tires, Apparatus for vulcanizing. H. Willshaw, T. Norcross, and F. G. Broadbent. 1,815,085; July 21.
Tires, Building. R. W. Snyder. 1,792,776; Feb. 17.
Tires for automobiles, Spring. L. Nysz. 1,836,866; Dec. 15.
Tires for vehicles, Cushion. R. Bello. 1,813,603; July 7.
Tires, Forming. H. F. Maranville. 1,823,566; Sept. 15.
Tires, Inflating. K. Schmidt. 1,796,482; Mar. 17.
Tires, Inflating pneumatic. R. H. Daneel. 1,800,780; Apr. 14.
Tires, Making cushion. A. L. Schoff, C. E. and G. J. Nelson. 1,810,406; June 16.
Tires, Making solid. R. Liebau. 1,806,857; May 26.
Tires, Manufacture of pneumatic. L. A. Laursen. 1,798,210; Mar. 31.
Tires, Manufacturing. M. H. Pade. 1,833,530; Nov. 24.
Tires, Method and apparatus for building. A. J. Slatter. 1,793,257; Feb. 17.
Tires, Method and apparatus for manufacturing pneumatic. J. R. Gammeter. 1,790,210; Jan. 27.
Tires, Method of and apparatus for manufacturing pneumatic. E. F. Maas. 1,818,955; Aug. 11.
Tires, Molding. I. Trautman. 1,821,679; Sept. 1.
Tires, Mud shoe for auto. J. N. Overtoom. 1,831,542; Nov. 10.
Tires, Nonskid device for. J. Arno. 1,800,202; Apr. 14.
Tires on wheels, Means locking pneumatic. P. M. Miller. 1,817,700; Aug. 4.
Tires, Repairing punctured. A. G. Sommerbeck. 1,811,656; June 23.
Tires, Tractive device for. G. R. Burrell. 1,805,037; May 12.
Tires, Unit method of building. R. W. Snyder. 1,792,775; Feb. 17.
Tissue pad. K. Wandel. 1,820,259; Aug. 25.
Titanium compositions, Production of. C. de Rohden. 1,797,760; Mar. 24.
Titanium compounds and compounds of nitrogen, Producing. F. von Bichowsky. 1,835,829; Dec. 8.
Titanium compounds containing iron, Treating. P. Farup. 1,831,852; Nov. 17.
Titanium compounds, Precipitating. L. W. Ryan. 1,820,987–8; Sept. 1.
Titanium compounds, Producing. F. von Bichowsky. 1,828,710; Oct. 20.
Titanium dioxide, Making. S. J. Lubowsky. 1,793,501; Feb. 24.
Titanium dioxide. Production of. J. Blumenfeld. 1,795,467; Mar. 10.
Titanium from its ores, Recovering. O. T. Coffelt. 1,795,361; Mar. 10.
Toast buttering device. R. R. Dickerson. 1,831,763; Nov. 10.
Toaster. C. Endorf. 1,828,400; Oct. 20.
Toaster. G. A. Jelinek. 1,792,376; Feb. 10.
Toaster. M. W. McArdle. Des. 84,899; Aug. 18.
Toaster, Automatic. W. S. Whiting, jr. 1,797,628; Mar. 24.
Toaster, Automatic discharging. C. W. Mabey. 1,821,226; Sept. 1.
Toaster, Continuous reversible. W. J. Henley, jr. 1,807,312; May 26.
Toaster, Double electric. C. W. Mabey. 1,814,942; July 14.
Toaster, Electric. C. C. Armstrong. 1,790,083; Jan. 27.
Toaster, Electric. G. Eaton. Des. 85,329; Oct. 13.
Toaster, Electric. R. Kuhn. 1,826,475; Oct. 6.
Toaster, Electric. E. G. C. Lofgren and W. M. Anderson. 1,836,538; Dec. 15.
Toaster, Electric. H. Price. 1,790,484; Jan. 27.
Toaster, Electric. F. J. Sprague. 1,822,633; Sept. 8.
Toaster, Electric bread. H. J. Criner. 1,809,112; June 9.
Toaster, Electric bread. G. Kater. 1,820,745; Aug. 25.
Toaster, Food. J. J. Noeth and F. E. Hummel. 1,824,362; Sept. 22.
Toasting. L. E. Padelford. 1,828,542; Oct. 20.
Toasting apparatus. W. H. Ginder. 1,832,831; Nov. 17.
Toasting device. L. E. Padelford. 1,796,302; Mar. 17.
Tobacco and making same, Medicated. F. P. Strickler. 1,793,723; Feb. 24.
Tobacco and separating foreign bodies and dust, Loosening. M. P. E. Hohn and G. F. Halank. 1,832,119; Nov. 17.
Tobacco, Apparatus for casing cured leaf. J. W. Small and R. Febles. 1,815,805; July 21.
Tobacco box. J. M. Hothersall. 1,797,419; Mar. 24.
Tobacco can. E. McWhorter. 1,809,742; June 9.
Tobacco cleaning machine. A. S. Fonseca. 1,831,953; Nov. 17.
Tobacco cleaning machine. L. R. Sammeth. 1,808,438; June 2.
Tobacco, Compressing. H. P. Taylor. 1,828,790; Oct. 27.
Tobacco, Curing. W. E. Lilienfeld. Re18,256; Nov. 24.
Tobacco, Curing. W. R. and F. L. Nagel. 1,827,707; Oct. 13.
Tobacco cutter. S. P. Jackson. 1,815,845; July 21.
Tobacco, Expanding. W. J. Hawkins. 1,789,435; Jan. 20.
Tobacco, Fermentation of. K. Vierling. 1,812,459; June 30.
Tobacco for cigar bunches, Cutting filler. J. F. Halstead. 1,805,694; May 19.
Tobacco material and apparatus therefor, Treating. R. G. Newborne. 1,823,554; Sept. 15.
Tobacco package. W. S. Luckett. 1,837,784; Dec. 22.
Tobacco pipe. F. Büttner. 1,796,589; Mar. 17.
Tobacco pipe. C. F. Corbett. 1,826,738; Oct. 13.
Tobacco pipe. R. Deuss. 1,794,002; Feb. 24.
Tobacco pipe. R. Kepich. 1,799,909; Apr. 7.
Tobacco pipe. P. Mancusi. 1,804,018; May 5.
Tobacco pipe. P. J. Pool. 1,790,719; Feb. 3.
Tobacco pipe. S. Schishka. 1,817,271; Aug. 4.
Tobacco pipe. F. G. Shull. 1,796,308; Mar. 17.
Tobacco pipes, Filtering and cooling the smoke of. W. G. Pettibone. 1,809,529; June 9.
Tobacco press. H. L. Smith. 1,791,326; Feb. 3.
Tobacco, Pressing and packing manufactured. H. P. Taylor. Re18,173; Sept. 1.
Tobacco, Smoking. D. H. Wiggins. 1,808,707; June 2.
Tobacco spreader for cigarette machines. C. W. Müller. 1,817,319; Aug. 4.
Tobacco, Spreading cut. F. H. B. Stelzer. 1,808,794–5; June 9.
Tobacco-stemming machine. L. H. Zeun. 1,792,207; Feb. 10.
Tobacco-stemming machines, Butter for. L. H. Zeun. 1,787,966; Jan. 6.
Tobacco-stemming machines, Tooth structure for. L. H. Zeun. 1,787,967; Jan. 6.
Tobacco stick. W. E. Hord. 1,813,292; July 7.
Tobacco stick. J. A. McKaughan. 1,798,214; Mar. 31.
Tobacco stick handling device. W. W. Barlow. 1,830,690; Nov. 3.
Tobacco transplanter. H. B. Dattisman. 1,838,535; Dec. 29.
Tobacco, Treating. C. W. Andrews. 1,813,833; July 7.
Toe board. J. G. Viche. 1,821,734; Sept. 1.
Toggle bolt. C. C. Tonkinson. 1,788,814; Jan. 13.
Toggle bolt. C. C. Tomkinson. 1,805,319; May 12.
Toggle bolt. C. C. Tomkinson. 1,819,828; Aug. 18.
Toggle clamp. J. J. Collinet. 1,808,020; June 2.
Toggle switch, Three position. C. Williams and E. G. Appleton. 1,812,914; July 7.
Toilet accessory. W. Friedman. 1,794,602; Mar. 3.
Toilet accessory. W. Friedman. 1,814,747–9; July 14.
Toilet, Animal. A. C. Supplee. 1,813,329; July 7.
Toilet appliance. F. Chase. 1,791,351; Feb. 3.
Toilet article. S. Biondi. 1,801,898; Apr. 21.
Toilet article. E. K. Chase. 1,799,545; Apr. 7.
Toilet article. J. F. Connor. 1,814,433; July 14.
Toilet article. H. I. Matchett. 1,826,558; Oct. 6.
Toilet article. W. C. Roessinger. 1,819,004; Aug. 18.
Toilet connection, Eccentric. W. E. Crowell. 1,793,681; Feb. 24.
Toilet device. J. E. Bryant. 1,823,253; Sept. 15.
Toilet equipment. O. A. Grove. 1,801,196; Apr. 14.
Toilet fixture. A. F. Riedinger. 1,796,622; Mar. 17.
Toilet package. R. H. Van Sant. 1,805,299; May 12.
Toilet preparation. H. G. Dusenbury and S. Isermann. 1,818,699; Aug. 11.
Toilet rack, Combination. F. M. Rinehart. 1,831,509; Nov. 10.
Toilet seat. C. A. Meath. 1,817,520; Aug. 4.
Toilets, Seat and cover lifter for. E. Bustin. 1,792,811; Feb. 17.
Toilets, Seat and seat cover actuating mechanism for. J. A. Oya. 1,821,027; Sept. 1.
Token. T. J. Kent and H. P. Bell. Des. 83,730; Mar. 24.
Token for check-controlled apparatus. P. S. Shield. 1,795,739; Mar. 10.
Token, Shadowgraphic. O. S. Letzkus. Des. 83,734; Mar. 3.
Tolerance gauge. H. V. Törnebohm. 1,793,763; Feb. 24.
Toll service trunking system. V. S. Tharp. 1,811,444; June 23.
Toll system, Dial switching. T. S. Skillman, L. G. Freeth, and R. J. Berry. 1,823,338; Sept. 15.
Toll-trunking system. V. S. Tharp and T. F. Crocker. 1,792,452; Feb. 10.
Tomato peeling machine. J. W. Snider. 1,825,428; Sept. 29.
Tomatoes, Method and apparatus for skinning. F. P. Ryder. 1,822,375; Sept. 8.
Tombstone. R. W. Robbins. Des. 83,061; Jan. 13.
Tone-amplifying device for stringed musical instruments. M. L. Ungrich. 1,798,048; Mar. 24.
Tone modifying device for the vibrating elements of musical instruments. C. B. Gardner, jr. 1,823,683; Sept. 15.
Tong. M. M. Bull. 1,808,016; June 2.
Tong. C. H. Lane and C. H. Reynolds. 1,808,959; June 9.
Tong operating mechanism. A. E. Martois. 1,806,481; May 19.
Tong, Tool joint. T. P. Williams. 1,817,791; Aug. 4.
Tong, Universal kitchen. K. Bauer and E. Kade. 1,806,441; May 19.

Tongs. L. F. Baash and W. H. Maxwell. 1,801,257; Apr. 21.
Tongs. L. F. Baash and W. H. Maxwell. 1,810,938; June 23.
Tongs. L. F. Baash and W. H. Maxwell. 1,837,644–5; Dec. 22.
Tongs. F. I. Barkis. 1,837,606; Dec. 22.
Tongs. F. P. Brockschmidt. 1,813,695; July 7.
Tongs. W. R. Guiberson. 1,787,744; Jan. 6.
Tongs. C. J. Jorgensen. 1,812,747; June 30.
Tongs. J. A. Peterson. 1,788,169; Jan. 6.
Tongs. B. W. Sunde. 1,837,689; Dec. 22.
Tongs. J. C. Taintor. Des. 85,789; Dec. 15.
Tongs and the like, Supporting. J. A. Peterson and C. E. Olsen. 1,831,259; Nov. 10.
Tongs, Battery lifting. F. E. Tomlinson. 1,833,342; Nov. 24.
Tongs, Box handling. W. Smith. 1,806,956; May 26.
Tongs, Casing. N. K. Smith. 1,820,545; Aug. 25.
Tongs, Chain. J. I. Phillips. 1,803,867; May 5.
Tongs, Chain. S. Sorensen. 1,792,402; Feb. 10.
Tongs. Chain. S. Sorensen and J. A. Peterson. 1,792,401; Feb. 10.
Tongs, Chain pipe. W. C. Kress. 1,789,553; Jan. 20.
Tongs, Clinker. J. G. and C. R. Hall. 1,823,041; Sept. 15.
Tongs, Clinker. O. G. Klein. 1,820,463; Aug. 25.
Tongs, Drawbench. E. K. Holmes. 1,816,484; July 28.
Tongs, Grappling. C. B. Collon and D. Horton. 1,825,179; Sept. 29.
Tongs, Ice. J. R. Webb. 1,824,644; Sept. 22.
Tongs, Lid and can. E. Keeney. 1,792,463; Feb. 10.
Tongs, Pickle. W. H. Freye. 1,829,271; Oct. 27.
Tongs, Rail. F. F. Zavatkay. 1,814,107; July 14.
Tongs, Spring-tensioned egg. M. M. Hall. 1,789,524; Jan. 20.
Tongs, Welder's. F. B. Dreyer. 1,812,142; June 30.
Tongue and brake, Combination. E. D. Sullivan. 1,806,719; May 26.
Tongue cleaner. W. H. Barkwill. 1,811,775; June 23.
Tongues and canned product, Canning. G. C. Case. 1,793,678; Feb. 24.
Tonsil removing instrument. C. W. Lund. 1,837,277; Dec. 22.
Tonsorial device. A. F. Mirafuentes. 1,829,667; Oct. 27.
Tool. E. Barefoot. 1,831,900; Nov. 17.
Tool. A. V. Bohner. 1,834,266; Dec. 1.
Tool. C. A. Bryant. 1,802,903; Apr. 28.
Tool. F. R. Buchanan. 1,837,405; Dec. 22.
Tool. O. M. Bullock. 1,791,710; Feb. 10.
Tool. G. F. Colley. 1,815,665; July 21.
Tool. W. J. De Witt. 1,825,111; Sept. 29.
Tool. S. C. Ertola. 1,828,106; Oct. 20.
Tool. H. O. Ewing. 1,829,557; Oct. 27.
Tool. W. F. Haack. 1,800,384; Apr. 14.
Tool. F. J. Hagerling. 1,824,133; Sept. 22.
Tool. J. M. Luers. 1,815,518; July 21.
Tool. O. Neher. 1,824,616; Sept. 22.
Tool. A. P. Ortolon. 1,790,761; Feb. 3.
Tool. E. J. Reede. 1,818,869; Aug. 11.
Tool. W. T. Strong. 1,815,220; July 21.
Tool. G. F. Taylor. 1,830,143; Nov. 3.
Tool, Abrading. A. F. Krausz. 1,812,488; June 30.
Tool, Air extractor and tube repairing. P. H. Lehmann. 1,828,813; Oct. 27.
Tool, Aligning and assembling. C. O. Cozzens. 1,838,134; Dec. 29.
Tool and jig for cable work. C. A. Bay. 1,829,033; Oct. 27.
Tool and making same, Well. J. W. Heeter. 1,822,400; Sept. 8.
Tool and method, Wire joining. A. L. Rosenmund. 1,832,324; Nov. 17.
Tool and retaining means therefor. E. W. Stevens. 1,789,567; Jan. 20.
Tool arm. A. G. Decker. 1,832,101; Nov. 17.
Tool, Assembly. H. D. Hume. 1,792,743; Feb. 17.
Tool, Assembly. H. D. Hume. 1,809,239; June 9.
Tool attachment for lathes. W. L. Schellenbach. 1,815,012; July 14.
Tool attachment means. E. A. Stephens. 1,826,098; Oct. 6.
Tool, Automatic machine. A. M. Johnson. 1,838,945; Dec. 29.
Tool, Automatic taper thread cutting. E. A. Roberts. 1,817,018; Aug. 4.
Tool, Band tightening. A. H. Moon. 1,828,290; Oct. 20.
Tool, Batik wax lining. T. Saschy. 1,815,589; July 21.
Tool, Beating or hammering. E. H. W. Weibull. 1,791,988; Feb. 10.
Tool, Bench. C. E. Van Norman. 1,803,984; May 5.
Tool, Beveling, grooving, and cutting. C. A. Chapman. 1,800,338; Apr. 14.
Tool, Boring. J. R. Aulenback. 1,815,756; July 21.
Tool, Boring. H. H. Mercer. 1,821,473–4; Sept. 1.
Tool box. W. N. Davis. 1,798,930; Mar. 31.
Tool, Carbon removing. W. O. Jones. 1,821,891; Sept. 1.
Tool, Car-cleaning. J. R. C. Smith. 1,800,413; Apr. 14.
Tool-carrying device for double-acting turning lathes. F. S. Floeter. 1,799,291; Apr. 7.
Tool carrying head. C. B. Cole and O. L. Lewis. 1,814,079; July 14.
Tool, Casing cutting and pulling. B. Barkis. 1,789,995; Jan. 27.
Tool, Chain. C. E. Davis. 1,793,590; Feb. 24.
Tool, Chain. F. A. Olmstead. 1,819,520; Aug. 18.
Tool, Chain repairing. M. M. Heiny and I. R. Smith. 1,806,682; May 26.
Tool chuck. G. C. Pearson. 1,788,629; Jan. 13.
Tool chuck for welding. S. Evans. 1,830,649; Nov. 3.
Tool, Clamping and tie-gripping. P. A. Jones. 1,794,905; Mar. 24.
Tool clamping means. E. P. Bullard. 1,822,514; Sept. 8.
Tool, Combination. F. D. Allison. 1,816,812; Aug. 4.
Tool, Combination. E. L. Johnston and R. L. Green. 1,791,817; Feb. 10.
Tool, Combination. G. A. Logan. 1,808,239; June 2.
Tool, Combination. W. E. Phillips. 1,805,005; May 12.
Tool, Combination. W. H. Schneider. 1,833,230; Nov. 24.
Tool, Combination framing. G. L. Marcum. 1,797,213; Mar. 17.
Tool, Combination packer and setting. J. D. Nixon and W. L. Church. 1,797,177; Mar. 17.
Tool, Commutator mica undercutting. W. T. Ballou. 1,809,228; June 9.
Tool, Compound pipe. H. A. Davies. 1,797,076; Mar. 17.
Tool-controlling mechanism. C. J. Price. 1,793,718; Feb. 24.
Tool, Cotter pin. S. J. Hoff. 1,824,083; Sept. 22.
Tool, Counterboring. A. J. Berg. 1,791,998; Feb. 10.
Tool coupler. R. W. Brown. 1,808,944; June 9.
Tool coupling, Rotary. I. J. Snader. 1,824,509; Sept. 22.
Tool, Cutting. T. H. Frost. 1,839,023; Dec. 29.
Tool, Cutting. A. K. Kosunen. 1,813,498; July 7.
Tool, Cutting. C. Neubauer. 1,814,763; July 14.
Tool, Cutting. H. W. Porter. 1,822,745; Sept. 8.
Tool, Cutting. B. F. Stowell. 1,830,179; Nov. 3.
Tool, Cutting. S. E. Taft. 1,829,200; Oct. 27.
Tool, Cutting and flanging. J. Zang. 1,830,865; Nov. 10.
Tool cutting machine, Automatic. J. Pichler. 1,806,562; May 19.
Tool, Cylinder edge dressing. C. A. Olson. 1,824,494; Sept. 22.
Tool, Cylinder lapping. J. G. McFadden. 1,818,491; Aug. 11.
Tool, Cylindrical honing. W. F. Emerson. 1,791,491; Feb. 10.
Tool, Dent removing. C. M. Shaw. 1,826,834; Oct. 13.
Tool, Dental. D. D. Levy. 1,817,571; Aug. 4.
Tool, Drilling. C. W. Metzger. 1,805,991; May 19.
Tool, Drilling and coring. J. N. Oksenholt and J. A. Coleman. 1,791,370; Feb. 3.
Tool-drive, Machine. H. Ernst. 1,788,761; Jan. 13.
Tool driving apparatus. G. E. Smith. 1,827,269; Oct. 13.
Tool, Duplex grip. O. C. Blakeslee. 1,826,045; Oct. 6.
Tool, Dusting. D. G. Smellie. 1,803,921; May 5.
Tool, Earth-anchor. A. B. Chance. 1,800,504; Apr. 14.
Tool, Electric. R. L. Hinds. 1,810,212; June 16.
Tool, Electric. W. Moretti. 1,828,903; Oct. 27.
Tool, Electric perforating. J. M. Graff. 1,792,688; Feb. 17.
Tool, Electrically heated. H. Feld. 1,816,113; July 28.
Tool, Electrician's. J. Chilofsky. 1,793,679; Feb. 24.
Tool, Electromagnetic pick-up. D. H. Webb. 1,787,922; Jan. 6.
Tool, Emery wheel dressing. C. De Mattia. 1,805,514; May 19.
Tool, Expanding and contracting. J. Boyer. 1,814,892; July 14.
Tool, Expanding reaming or cutter. S. L. Campbell and J. Grant. 1,805,806; May 19.
Tool feeding apparatus. H. C. Gustafson. 1,834,701; Dec. 1.
Tool, Fence. J. E. Griffith. 1,794,766; Mar. 3.
Tool, Fence fastener. W. H. Mason. 1,809,386; June 9.
Tool, Fender reshaping. J. W. Smith. 1,801,460; Apr. 21.
Tool, Fender straightening and holding. J. Replogle. 1,795,041; Mar. 3.
Tool, Finishing. E. Hope. 1,814,553; July 14.
Tool, Finishing. W. C. Jones. 1,787,866; Jan. 6.
Tool, Finishing and polishing. C. Helling. 1,794,015; Feb. 24.
Tool, Fire fighting. L. A. Stephens. 1,827,118; Oct. 13.
Tool, Fishing. C. H. Brown. 1,791,859; Feb. 10.
Tool, Fishing. J. G. Fitzpatrick. 1,805,815; May 19.
Tool, Fishing. N. Lamoureux and M. W. Lukes. 1,791,529; Feb. 10.
Tool, Fishing. J. D. Lemex. 1,800,736; Apr. 14.
Tool, Fishing. A. E. Lidderdale. 1,793,105; Feb. 17.
Tool, Fishing. A. E. Lidderdale. 1,835,067; Dec. 8.
Tool, Fishing. V. Monroe. 1,790,387; Jan. 27.
Tool, Fishing. V. Monroe. 1,793,117; Feb. 17.
Tool, Fishing. E. E. Pryor. 1,801,456; Apr. 21.
Tool, Fishing. J. J. Santiago. 1,829,760; Nov. 3.
Tool, Fishing. H. E. Schafer. 1,801,984; Apr. 21.
Tool, Fishing. I. Thomas and E. I. Tibbet. 1,825,025; Sept. 29.
Tool, Fishing. C. L. Van Amburgh and J. R. Russell. 1,816,991; Aug. 4.
Tool, Fishing. V. O. Vance. 1,823,340; Sept. 15.
Tool, Fishing. R. N. Vickers. 1,795,809; Mar. 10.
Tool, Flanging. J. M. Wilkins. 1,826,268; Oct. 6.
Tool, Flooring and ceiling. C. A. Goodson. 1,801,810; Apr. 21.
Tool. Fluid actuated percussive. F. A. Jimerson. 1,807,787; June 2.

Tool, Fluid-operated. H. C. Gustafson. 1,800,346; Apr. 14.
Tool, Fluid operated. H. C. Gustafson. 1,821,801; Sept. 1.
Tool, Fluid operated. R. O. Olander. 1,809,309; June 9.
Tool, Fluid operated. B. R. Sheets, and C. M. Stewart. 1,826,095; Oct. 6.
Tool, Fluid-operated. E. F. Terry, jr. 1,793,878; Feb. 24.
Tool, Fluid pressure. G. M. Nell. 1,825,328; Sept. 29.
Tool, Fluid pressure. E. W. Stevens. 1,836,779; Dec. 15.
Tool for applying wire-tightening clips. S. Alke. 1,789,891; Jan. 20.
Tool for assembling pistons to cylinders. R. J. Russell. 1,830,855; Nov. 10.
Tool for bending tubular articles. H. Miller. 1,804,384; May 5.
Tool for boring and reaming. G. E. Moen. 1,787,871; Jan. 6.
Tool for carving machines, Form. D. B. Salstrom. 1,801,982; Apr. 21.
Tool for cutting box strapping and the like. L. S. Howe 1,812,484; June 30.
Tool for cutting stone. P. S. Legge. 1,828,740; Oct. 27.
Tool for dressing articles on nonparallel surfaces, Machine. R. L. Dyas and J. Maickel. 1,823,824; Sept. 15.
Tool for extracting and replacing bushings. J. D. Haman. 1,833,420; Nov. 24.
Tool for filters, Cleaning. L. L. Dollinger. 1,830,098; Nov. 3.
Tool for grasping bolts and machine parts. M. O. Rolstad. 1,818,353; Aug. 11.
Tool for handling plug closures. B. C. Travis. 1,799,876; Apr. 7.
Tool for helicoidal abrading wheels, Formed truing. E. W. Miller. 1,807,666; June 2.
Tool for jars, Gripping. S. Vitali. 1,814,014; July 14.
Tool for lapping or honing, Method and. F. W. Roebbel and H. E. Rogers. 1,828,074; Oct. 20.
Tool for making connections. J. R. Straley. 1,834,436; Dec. 1.
Tool for match box making machines, Folding. L. Henninger. 1,804,613; May 12.
Tool for measuring the casters of axles. C. H. Phelps. 1,837,670; Dec. 22.
Tool for metal working purposes, Machine. R. Price. 1,806,951; May 26.
Tool for piston rings, Expanding. T. Madsen. 1,795,177; Mar. 3.
Tool for removing broken stud bolts and the like. E. F. Jackman. 1,798,944; Mar. 31.
Tool for removing dents from metallic bodies. A. P. Asher. 1,813,012; July 7.
Tool for removing tires. F. H. Krewson. 1,827,850; Oct. 20.
Tool for shaping pipe ends, Flaring. A. LaR. Parker. 1,835,179; Dec. 8.
Tool for shaping the ends of conduits. A. G. Steinmayer. 1,823,959; Sept. 22.
Tool for spinning angular flanges on metal tubes. W. E. Arndt. 1,795,358; Mar. 10.
Tool for stretching brake linings. J. Kaminski. 1,801,510; Apr. 21.
Tool for tapping nut blanks, Machine. P. C. Raymond. 1,806,707; May 26.
Tool for testing well formations. E. C. Johnston. 1,790,424; Jan. 27.
Tool for trimming paper. C. E. Galvin. 1,798,251; Mar. 31.
Tool for turning taper bolts. G. M. Class. 1,795,594; Mar. 10.
Tool for upsetting or stretching sheet metal. H. Junkers. 1,809,168; June 9.
Tool for use in connection with knitting machines. R. J. and A. R. Pitchers. 1,797,617; Mar. 24.
Tool for use in inserting the swelling tube of air bladders into the covers of footballs. L. Daugy. 1,837,899; Dec. 22.
Tool for use in scarifying trees for the production of naval stores, Cutting. L. Wyman. 1,836,519; Dec. 15.
Tool for wave transmission apparatus, Percussion. W. R. Degenhardt, A. F. de Fraine, and R. H. Bicknell. 1,796,089; Mar. 10.
Tool for working of leather, Roughing. E. Sachse and O. Michalk. 1,818,011; Aug. 11.
Tool, Forming. W. T. Pritchard. 1,788,031; Jan. 6.
Tool, Foundry. A. A. Meyer. 1,820,819; Aug. 25.
Tool, Fruit basket top applying. S. H. Sheller. 1,806,717; May 26.
Tool, Fuse cutting and splitting and cap crimping. J. S. Cademartori and W. S. Draper. 1,835,274; Dec. 8.
Tool, Garden. W. P. Bancroft. 1,811,604; June 23.
Tool, Garden. H. Fordyce. 1,798,249; Mar. 31.
Tool, Garden. J. R. Ray. 1,797,101; Mar. 17.
Tool, Garden. A. V. Rowe. 1,836,341; Dec. 15.
Tool, Garden. M. F. Schultz. 1,798,036; Mar. 24.
Tool, Garment reversing. J. M. M. Vaccarella. 1,835,826; Dec. 8.
Tool, Gear cutting. E. Wildhaber. 1,820,415; Aug. 25.
Tool, Glass-cutting. C. Strobel. 1,788,175; Jan. 6.
Tool, Grab. N. M. Slover. 1,792,874; Feb. 17.
Tool, Grass-cutting. L. A. Cummings. 1,791,957; Feb. 10.
Tool-grinding machines, Rotary feed device for the work spindles of. K. Metzler. 1,791,424; Feb. 3.
Tool, Hammering. C. Keller. 1,825,072; Sept. 29.
Tool, Hammering. E. H. W. Weibull. 1,816,104; July 28.
Tool, Hand. O. Altenbach. 1,826,038; Oct. 6.
Tool, Hand. W. A. Bernard. 1,814,113; July 14.
Tool, Hand. F. J. Clemens. 1,804,149; May 5.
Tool, Hand. J. M. Crowe. 1,811,577; June 23.
Tool, Hand. J. C. De Laney. 1,814,435; July 14.
Tool handle. L. K. Hoss. 1,835,943; Dec. 8.
Tool handle. H. W. Lindsey, jr. Des. 83,868; Apr. 7.
Tool handle. F. B. Lutman. 1,808,781; June 9.
Tool handle, Shock-absorbing. G. W. Forbes. 1,794,008; Feb. 24.
Tool handle, Swiveled. W. C. Barrier. 1,820,211; Aug. 25.
Tool having hydraulic feed, Machine. H. Ernst and L. F. Neuninger. 1,835,976; Dec. 8.
Tool head securing means. W. Braverman. 1,830,589; Nov. 3.
Tool, Hole rolling. G. R. Maupin. 1,837,624; Dec. 22.
Tool, Hot metal working. P. B. Piersol. 1,813,677; July 7.
Tool, Hydrant. C. B. Green. 1,806,556; May 19.
Tool, Impact. J. R. Sandage. 1,813,087; July 7.
Tool jack. T. W. and G. E. Thorpe. 1,827,120; Oct. 13.
Tool, Jarring. W. H. Maxwell. 1,804,700; May 12.
Tool, Jarring. I. J. McCullough. 1,798,480; Mar. 31.
Tool, Jarring. J. F. Stephan. 1,794,991; Mar. 3.
Tool, Jelly cutting. A. Leo. 1,802,951; Apr. 28.
Tool, Jewel setting. J. H. Payer. 1,826,567; Oct. 6.
Tool joint. C. H. M. Bull. 1,824,257; Sept. 22.
Tool joint. A. L. Segelhorst. 1,821,328; Sept. 1.
Tool joint, Slip socket. T. M. Walker. 1,815,660; July 21.
Tool, Lawn. J. G. Rieff. 1,800,905; Apr. 14.
Tool, Lawn edging. E. J. Casse. 1,823,254; Sept. 15.
Tool lifter. L. H. Mesker. 1,806,696; May 26.
Tool lubrication, Machine. J. B. Armitage. 1,806,603; May 26.
Tool, Lumberman's. A. H. Nee. 1,797,360; Mar. 24.
Tool, Machine. J. M. Christman. 1,823,727; Sept. 15.
Tool, Machine. C. G. Garrard. 1,838,304; Dec. 29.
Tool, Machine. R. L. Hibbard. 1,788,193; Jan. 6.
Tool, Machine. E. J. Kearney and J. B. Armitage. 1,812,702; June 30.
Tool, Machine. E. J. Kearney and J. B. Armitage. 1,817,083; Aug. 4.
Tool, Machine. E. J. Kearney and J. B. Armitage. 1,832,487; Nov. 17.
Tool, Machine. M. W. Lange and T. Norton. 1,799,518; Apr. 7.
Tool, Machine. A. H. Lyon. 1,837,054; Dec. 15.
Tool, Machine. H. E. Martin. 1,809,858; June 16.
Tool, Machine. C. E. Masters. 1,826,625; Oct. 6.
Tool, Machine. A. Oberhoffken and E. M. Bowen. Des. 83,743; Mar. 24.
Tool, Machine. W. W. Potter. 1,790,440; Jan. 27.
Tool, Machine. R. R. Roberts and W. J. Forward. 1,805,188; May 12.
Tool, Machine. H. A. Settem. 1,832,511; Nov. 17.
Tool, Machine. G. D. Sundstrand. 1,809,949; June 16.
Tool, Machine. E. J. Svenson. 1,797,705; Mar. 24.
Tool, Machine. E. J. Svenson. 1,838,119; Dec. 29.
Tool, Machine. A. Trosch. 1,825,685; Oct. 6.
Tool, Manually-supported power. A. H. Collius. 1,792,894; Feb. 17.
Tool, Metal working. A. E. Jacobs. 1,836,472; Dec. 15.
Tool, Metal working. H. W. Johnson. 1,809,126; June 9.
Tool, Metal working. L. B. Monosmith. 1,836,543; Dec. 15.
Tool, Milling. A. Boynton. 1,801,482; Apr. 21.
Tool, Miner's. J. Kaiser. 1,802,515; Apr. 28.
Tool, Miter. E. W. Zerbel. 1,838,607; Dec. 29.
Tool, Miter cutting motor driven hand. J. M. Crowe. 1,830,350; Nov. 3.
Tool, Motor driven hand. J. M. Crowe. 1,813,231; July 7.
Tool, Multiple cutting. F. H. Becker. 1,830,692; Nov. 3.
Tool, Multiple-piston pneumatic. F. L. O. Wadsworth. 1,798,642; Mar. 31.
Tool, Multiple-spindle machine. C. G. Orbel. 1,797,729; Mar. 24.
Tool, Nonjamming taper shank. R. W. Brown. 1,815,611; July 21.
Tool, Offset-cutting. F. I. Getty. 1,795,553; Mar. 10.
Tool, Oil-well rotary fishing. P. C. Corey. 1,788,912; Jan. 13.
Tool or clamping lever, Mechanic's. F. P. Johnson. 1,822,294; Sept. 8.
Tool organization, Machine. W. K. Andrew. 1,835,742; Dec. 8.
Tool organization, Machine. F. Parsons, J. B. Armitage, and E. J. Kearney. 1,801,686; Apr. 21.
Tool, Overshot fishing. E. Gray. 1,788,829; Jan. 13.
Tool, Packing off. R. M. Marr. 1,824,283; Sept. 22.
Tool, Peening. W. C. Holden. 1,801,005; Apr. 14.
Tool, Peening. W. C. Holden. 1,819,777; Aug. 18.
Tool, Percussion. F. L. O. Wadsworth. 1,809,952; June 16.
Tool, Percussive. A. G. Decker. 1,833,455; Nov. 24.
Tool, Percussive. E. G. Gartin. 1,820,185; Aug. 25.
Tool, Percussive. B. V. Korvin-Kroukovsky and K. D. Vosler. 1,825,632; Sept. 29.
Tool, Percussive. W. A. Smith, sr., and W. A. Smith, jr. 1,829,246; Oct. 27.
Tool, Percussive hand. L. Fluhr and A. Verhaar. 1,808,948; June 9.
Tool, Pipe bending. J. H. Blythe. 1,835,264; Dec. 8.

Tool, Pipe bending. C. W. Gale. 1,832,698; Nov. 17.
Tool, Piston pin. K. B. Neu. 1,824,743; Sept. 22.
Tool, Planetary pipe threading. T. M. Bruback and D. E. Hibner, jr. 1,811,491; June 23.
Tool, Plug inserting. E. O. Young. 1,833,194; Nov. 24.
Tool, Pneumatic. F. M. Slater. 1,787,960; Jan. 6.
Tool, Pneumatic. F. M. Slater. 1,808,481; June 2.
Tool, Pneumatic-tire. J. A. Goodman. 1,793,607; Feb. 24.
Tool, Pocket. H. Friedman. Des. 83,321; Feb. 17.
Tool, Polishing and cleaning. L. F. Exley. 1,802,078; Apr. 21.
Tool, Portable. F. Conner. 1,796,506; Mar. 17.
Tool. Portable clinching. C. L. Eksergian. 1,816,318; July 28.
Tool, Portable percussive. W. H. Benedict. 1,792,888; Feb. 17.
Tool, Portable percussive. A. H. Collins. 1,792,893; Feb. 17.
Tool, Portable power driven. J. J. Holloway. 1,821,436; Sept. 1.
Tool, Portable power-driven. H. W. Oster and G. D. Sleeth. 1,789,412; Jan. 20.
Tool, Portable power-driven threading. H. W. Oster and G. D. Sleeth. 1,789,411; Jan. 20.
Tool, Portable shearing. R. Sudre. 1,819,135; Aug. 18.
Tool, Power. H. B. Strickling. 1,801,697; Apr. 21.
Tool, Punching. W. S. Sawle. 1,806,266; May 19.
Tool rack. J. E. Patterson. 1,801,453; Apr. 21.
Tool, Ratchet. W. H. Arbogast. 1,792,470; Feb. 17.
Tool, Regrooving. F. H. Funchess. 1,820,792; Aug. 25.
Tool retainer. E. J. Downing. 1,800,377; Apr. 14.
Tool retainer. H. C. Gustafson. 1,800,345; Apr. 14.
Tool retainer. H. J. Gustafson. 1,804,217; May 5.
Tool retainer. G. T. Harcourt. 1,812,652; June 30.
Tool retainer. M. C. Huffman. 1,833,361; Nov. 24.
Tool retainer. A. J. Oborski. 1,795,963; Mar. 10.
Tool retainer. G. C. Pearson. 1,793,868; Feb. 24.
Tool retainer. A. G. Slatcher. 1,817,591; Aug. 4.
Tool retainer. G. W. Smith. 1,833,236; Nov. 24.
Tool retainer. E. F. Terry, jr. 1,821 732; Sept. 1.
Tool retainer device. E. C. McKenny. 1,831,818; Nov. 17.
Tool, Revolving holder machine. G. E. Hallenbeck. 1,825,060; Sept. 29.
Tool, Rim. J. Barrett. 1,822,643; Sept. 8.
Tool, Rim. S. Sera. 1,800,110; Apr. 7.
Tool, Rim. H. J. Woock. 1,818,517; Aug. 11.
Tool, Rim-manipulating. 1,800,955; Apr. 14.
Tool, Riveting. H. N. Wylie and P. G. Crabbe. 1,829,696; Oct. 27.
Tool, Rotary drilling. F. L. O. Wadsworth. 1,838,067; Dec. 22.
Tool, Rotary well-drilling. J. P. Davis. 1,799,411; Apr. 7.
Tool, Sand testing. F. Hux. 1,804,620; May 12.
Tool, Scraping. J. H. Hill. 1,812,482; June 30.
Tool, Seating. I. L. Wade and C. B. Robertson. 1,795,323; Mar. 10.
Tool, Self opening. J. V. Walker. 1,807,264; May 26.
Tool, Self tamping aeration. C. F. Irish. 1,814,445; July 14.
Tool, Sharpening. T. A. Jackson and W. J. Skelly. 1,787,478; Jan. 6.
Tool, Sharpening. J. E. Steinour. 1,808,267; June 2.
Tool, Shearing-machine. C. B. Gray. 1,801,153; Apr. 14.
Tool, Sheathing driving. N. C. Shaw. 1,827,957 Oct. 20.
Tool, Skimming. R. J. Anderson. 1,827,503; Oct. 13.
Tool slide, Double angular. E. P. Bullard, jr. 1,807,829; June 2;
Tool slide or reaming attachment. A. E. Drissner. 1,816,571; July 28.
Tool, Slitting. L. W. Westfall. 1,801,706; Apr. 21.
Tool, Sorghum crops topping. M. Fraizer. 1,809,931; June 16.
Tool, Spark plug. W. P. Pringle. 1,820,364; Aug. 25.
Tool, Special. I. Salz. 1,820,163; Aug. 25.
Tool, Spiking. E. H. W. Weibull and E. G. Hysing. 1,819,139; Aug. 18.
Tool, Spring contracting. F. Weick. 1,838,598; Dec. 29.
Tool, Spring winding and setting. C. McFarland. 1,812,494; June 30.
Tool, Stippling. H. Taylor. 71,811,372; June 23.
Tool, Storage battery. F. J. Maynard. 1,820,313; Aug. 25.
Tool, Strap stretching and fastening. J. Bayer. 1,811,108; June 23.
Tool, Striping. J. T. Green. 1,823,427; Sept. 15.
Tool, Striping. H. O'Connell. 1,810,221; June 16.
Tool supporting arrangement. F. M. Williamson. 1,814,274; July 14.
Tool surfacing machine, Lens. W. A. Gunning. 1,803,429; May 5.
Tool, Taper boring. F. S. Hartwell. 1,814,922; July 14.
Tool, Texturing, mottling, and blending. T. D. Hill. 1,789,627; Jan. 20.
Tool, Thread swelling. C. F. Roberts. Re18,086; June 2.
Tool, Threading. N. Oestreich. 1,830,209; Nov. 3.
Tool, Threading. F. W. Robertshaw. 1,787,798; Jan. 6.
Tool, Tie twisting. H. B. Foulder. 1,822,136; Sept. 8.
Tool, Tire building. N. L. Warner. 1,834,560; Dec. 1.
Tool, Tire removing. I. Mjelva. 1,806,947; May 26.
Tool, Tire rim contracting. J. Paivinen. 1,802,182; Apr. 21.
Tool. Tooth cleaning and polishing. R. R. Priest. 1,813,360; July 7.
Tool transmission and control, Machine-. J. B. Armitage. 1,799,272; Apr. 7.
Tool, Tube-cutting. G. Wiedeke. 1,789,572; Jan. 20.
Tool, Tube flanging. W. H. Burt. 1,823,966; Sept. 22.
Tool, Tube flanging. E. S. Cornell, jr. 1,827,733; Oct. 20.
Tool, Tube flanging. E. S. Cornell, jr. 1,827,882; Oct. 20.
Tool, Tube flanging. E. S. Cornell, jr. 1,828,459; Oct. 20.
Tool, Turning and boring. J. Archer. 1,838,520; Dec. 29.
Tool, Turpentine worker's. B. H. Smith. 1,818,964; Aug. 11.
Tool, Tweezer. C. S. Root. 1,803,728; May 5.
Tool unit for ground working implements, Cutting. J. L., S. L., and L. L. Chong. 1,816,210; July 28.
Tool unit, Machine. R. M. Galloway. 1,823,038; Sept. 15.
Tool, Vacuum valve grinding. D. E. Hicks. 1,817,688; Aug. 4.
Tool, Valve. W. M. Howser. 1,790,378; Jan. 27.
Tool, Valve burnishing. F. N. Samson. 1,829,373; Oct. 27.
Tool, Valve-seat-finishing. E. E. Neldner. 1,789,080; Jan. 13.
Tool, Valve seat reconstruction. F. O. Albertson. 1,806,189; May 19.
Tool, Valve seat reconstruction. F. O. Albertson. 1,837,390; Dec. 22.
Tool, Valve seat reconstruction. N. F. McNaught. 1,825,007; Sept. 29.
Tool, Valve seating counterboring. E. L. Connell. 1,834,145; Dec. 1.
Tool, Valve tappet adjusting. W. L. Rowland. 1,824,300; Sept. 22.
Tool, Variable stroke. H. C. Gustafson. 1,804,216; May 5.
Tool, Vertical spindle machine. E. P. Bullard, jr. 1,811,876; June 30.
Tool, Well. M. S. Black. 1,787,433; Jan. 6.
Tool, Well. L. S. Hamer. 1,805,087; May 12.
Tool, Well-drilling. M. A. Capeliuschnicoff. 1,790,460; Jan. 27.
Tool, Well fishing. E. J. Carscallen. 1,826,650; Oct. 6.
Tool, Well reaming. L. S. Hamer. 1,813,160; July 7.
Tool, Wheel-alining. W. T. Frazier. Re18,047; Apr. 14.
Tool, wire twisting. A. E. Hoene. 1,819,170; Aug. 18.
Tool, Wireworking. O. J. Buchholz. 1,802,871; Apr. 28.
Tool, Wire wrapping. D. Corne and H. K. Lanman. 1,835,204; Dec. 8.
Tool with circulation, Rotatable and releasable fishing. J. B. Triplett. 1,795,322; Mar. 10.
Tool with interchangeable dies, Adjustable bucking up. H. N. Evans, sr. 1,803,965; May 5.
Tool with radial cage, cutter, and guide, Trepan. E. Williams. 1,790,964; Feb. 3.
Tool, Wood working machine. G. E. Moodhe. 1,838,186; Dec. 29.
Tool, Wrenchlike. A. J. German and W. J. Foley. 1,793,477; Feb. 24.
Tool, Wrist-pin inserting. H. W. Kulp and M. C. Dellinger. 1,825,742; Oct. 6.
Tool, Wrist-pin inserting. H. W. Kulp and M. C. Dellinger. 1,825,873; Oct. 6.
Tools, Anchored support for mining. A. Schäfer. 1,791,382; Feb. 3.
Tools and resulting products, Facing. W. F. and S. M. Stoody and N. W. Cole. 1,803,875; May 5.
Tools, Apparatus for grinding. F. Satterstrom. 1,834,972; Dec. 8.
Tools, Arrangement in striking. E. G. Hysing. 1,796,371; Mar. 17.
Tools, Attachment for dental. I. W. Margulies. 1,825,880; Oct. 6.
Tools, Attachment for machine. F. S. Haas. 1,790,857; Feb. 3.
Tools, Attachment to air-way cleaner. D. B. Replogle. 1,800,316; Apr. 14.
Tools, Bit connection for bladed. J. H. Wily. 1,799,204; Apr. 7.
Tools, Blowing device for fluid-actuated. T. L. Murphy. 1,798,748; Mar. 31.
Tools, Clutch release for portable power driven rotary. T. W. Holland. 1,832,123; Nov. 17.
Tools, Ejector for taper-shank cutting. J. E. Anderson. 1,788,268; Jan. 6.
Tools, Exhaust for fluid operated. C. M. Stewart. 1,832,152; Nov. 17.
Tools, Feed for well drilling. W. N. Thompson. 1,817,467; Aug. 4.
Tools, Feed mechanism for machine. A. B. Leet. 1,812,656; June 30.
Tools, Feeding mechanism for machine. G. D. Sundstrand. 1,789,886; Jan. 20.
Tools, Fluid circulating system for machine. E. J. Kearney. 1,838,555; Dec. 29.
Tools for wire lines, Automatic back twist. E. A. Kliewer. 1,818,260; Aug. 11.
Tools, Heat and pressure resisting. F. Singer. 1,836,821; Dec. 15.
Tools in sets and holders therefor. W. C. Kress. 1,810,108; June 16.
Tools in three dimensions, Apparatus for the guiding of. R. M. Carrier, jr., and M. G. Whitley. 1,826,164; Oct. 6.
Tool's, Making color photographic film embossing. H. E. Hastings. 1,813,669; July 7.
Tools, Making rubber handled. W. V. Foley. 1,813,797; July 7.
Tools, Mechanism for adjusting machine. H. Unverdross. 1,809,995; June 16.

Tools, Mechanism for eliminating overstrain of measuring spindles in machine. F. Turrettini. 1,797,809; Mar. 24.
Tools, Percussion mechanism. G. H. Thompson. 1,824,935; Sept. 29.
Tools, Plate valve mechanism for fluid pressure. E. W. Stevens. 1,837,799; Dec. 22.
Tools, Pneumatic feeding mechanism for machine. F. E. Phillips. 1,804,805; May 12.
Tools, Producing chromium plated. B. V. McBride. 1,838,273; Dec. 29.
Tools, Producing metal working. W. C. Sproul. 1,822,176; Sept. 8.
Tools, Reconditioning cutting. M. M. Turner. 1,802,795; Apr. 28.
Tools, Socket attachment for. E. M. Pfauser. 1,797,730; Mar. 24.
Tools, Spindle feed mechanism for machine. A. M. Johnson and W. M. Fairbairn. 1,838,995; Dec. 29.
Tools, Tail piece for well. L. Dalldorf and M. S. Black. 1,801,334; Apr. 21.
Tools, Tapering attachment for machine. C. Meier and T. A. Wettig. 1,797,991; Mar. 24.
Tools, Testing means for percussive. C. Broszeit. 1,790,971; Feb. 3.
Tools, Truing means for helical cutting. E. W. Miller. 1,824,442; Sept. 22.
Tools, Work feeding and removing mechanism for machine. E. R. Smith and A. Schinkez. 1,794,424; Mar. 3.
Tooth. R. E. Hall. 1,837,042; Dec. 15.
Tooth anchorage and connecting the same. H. R. Berger. 1,819,276; Aug. 18.
Tooth, Artificial. B. W. and S. K. Avery. 1,822,837; Sept. 8.
Tooth, Artificial. B. L. Brooks. 1,826,270–1; Oct. 6.
Tooth, Artificial. C. A. Walsh. 1,794,128; Feb. 24.
Tooth back plate for artificial teeth. M. de Terra. 1,802,408; Apr. 28.
Tooth band. C. A. Spahn. 1,794,213; Feb. 24.
Toothbrush. J. M. Acheson. 1,826,234; Oct. 6.
Toothbrush. L. H. Alles. 1,835,837; Dec. 8.
Toothbrush. R. A. Brockelsby. 1,803,497; May 5.
Toothbrush. T. S. Butler. 1,818,840; Aug. 11.
Toothbrush. F. E. Byers and W. G. Wheat. 1,792,358; Feb. 10.
Toothbrush. L. E. Church. 1,796,001; Mar. 10.
Toothbrush. R. J. G. Church. 1,820,439; Aug. 25.
Toothbrush. A. A. Dorrance and A. G. Avakian. 1,809,330; June 9.
Toothbrush. E. Eichel. 1,797,946; Mar. 24.
Toothbrush. C. J. Funk. 1,800,993; Apr. 14.
Toothbrush. B. H. Genn. 1,830,995; Nov. 10.
Toothbrush. E. H. Groff, jr. 1,833,967; Dec. 1.
Toothbrush. L. Levy. 1,828,422; Oct. 20.
Toothbrush. W. G. McGauley. Des. 85,112; Sept. 15.
Toothbrush. C. A. McVeigh. 1,796,893; Mar. 17.
Toothbrush. R. R. Myers. 1,835,319; Dec. 8.
Toothbrush. E. D. Pollock. 1,817,096; Aug. 4.
Toothbrush. W. G. Robey. 1,792,188; Feb. 10.
Toothbrush. B. Seelig. 1,824,967; Sept. 29.
Toothbrush and nail polisher, Revolving. J. M. Roig. 1,822,631; Sept. 8.
Toothbrush and power actuating means therefor. W. G. Wheat and F. E. Byers. 1,832,519; Nov. 17.
Toothbrush and the like. J. E. Gray. 1,801,915; Apr. 21.
Toothbrush and tumbler rack. M. Kaden. 1,805,366; May 12.
Toothbrush, Antiseptic. A. D'Ayrenx. Des. 84,131; May 12.
Toothbrush attachment. C. H. Finton. 1,830,754; Nov. 10.
Toothbrush, Capsule. K. A. Simon. 1,811,833; June 23.
Toothbrush case. A. P. Barringer and M. A. Jackson. 1,790,085; Jan. 27.
Tooth cleaner and polisher. H. R. Priest. 1,813,359; July 7.
Tooth cleaner and polisher. H. R. Priest. 1,813,361; July 7.
Tooth cleaning and gum massaging device, Combined. J. P. Bell and J. H. Gunther. 1,833,555; Nov. 24.
Tooth crown and forming and applying the same. E. P. Schwartz. 1,803,680; May 5.
Tooth exerciser. D. D. Heron. 1,816,582; July 28.
Tooth, False. G. W. Toft. 1,804,898; May 12.
Toothpick dispenser, Sanitary. G. A. Oddsen. 1,814,955; July 14.
Tooth, Replaceable porcelain tipped pontic. C. E. Friars. 1,823,934; Sept. 22.
Tooth separator. C. S. Ivory. 1,829,898; Nov. 3.
Top, Automobile. R. A. Delp. 1,819,545; Aug. 18.
Top, Automobile. E. P. du Pont. 1,808,298; June 2.
Top casting and derrick construction. D. D. Wertzberger. 1,820,519; Aug. 25.
Top, Counter. C. A. Criger. 1,810,412; June 16.
Top, Extensible desk. G. W. Schulz. 1,805,890; May 19.
Top extension. J. S. Kern and O. L. Currier. 1,823,201; Sept. 15.
Top, Flying. J. C. Ditlevsen. Des. 84,029; Apr. 28.
Top, Flying. J. F. Kline. 1,802,386; Apr. 28.
Top for chicken feeders. H. C. Badenhop. 1,830,689; Nov. 3.
Top for ingot molds, Hot. W. M. Charman and H. J. Darlington. 1,804,204; May 5.
Top for ingot molds, Hot. W. Haws. 1,818,477; Aug. 11.
Top for ingot molds, Hot. E. L. Messler and J. Thomas. 1,803,342; May 5.
Top for refrigerator cabinets. N. M. Vandegrift. 1,823,517; Sept. 15.
Top for rumble seats of automobiles. B. Moore and E. H. Benn. 1,796,471; Mar. 17.
Top for smoking stands. Z. Chaplick. Des. 84,624; July 14.
Top for tables and the like, Enameled metal. F. Geiger. 1,800,343; Apr. 14.
Top, Gas range. W. H. Guenther. 1,823,539–40; Sept. 15.
Top, Hot. W. M. Charman. 1,804,208; May 5.
Top, Hot. W. M. Charman and H. J. Darlington. 1,804,206; May 5.
Top, Hot. J. M. Roth. 1,789,883; Jan. 20.
Top, Ingot mold. E. Gathmann. Re18,084; June 2.
Top lifts, Method and machine for trimming. M. W. Howard. 1,826,935; Oct. 13.
Top, Mechanical. H. J. Buchanan-Wollaston. 1,808,015; June 2.
Top, Rumble seat. J. A. Farnik. 1,821,884; Sept. 1.
Top, Rumble-seat. E. Sibley. 1,797,207; Mar. 17.
Top, Spinning. W. J. Cheffer. 1,807,964; June 2.
Top, Spinning. W. W. McCall. 1,830,367; Nov. 3.
Top, Spinning. F. A. Mueller. 1,794,314; Feb. 24.
Top-spinning device. J. B. Brochu and M. Shribman. 1,789,511; Jan. 20.
Top structure for vehicles. A. Kellner. 1,829,146; Oct. 27.
Top, Table. O. Landaw. 1,826,618; Oct. 6.
Top, Vehicle. A. F. Draper. 1,789,581; Jan. 20.
Tops, Assembling cage. E. W. Little. 1,815,982; July 28.
Topographic mechanism. E. L. Miner and C. M. Leatherman. 1,809,058; June 9.
Topper, Cotton. J. A. Smith. 1,833,001; Nov. 24.
Torch. J. L. Anderson. 1,827,697; Oct. 13.
Torch. W. C. Buttner. 1,793,052; Feb. 17.
Torch. A. J. and I. F. Fausek. 1,828,135; Oct. 20.
Torch and method therefor, Underwater. E. Ellsberg. 1,824,397; Sept. 22.
Torch, Atomic gas. P. P. Alexander. 1,834,991; Dec. 8.
Torch construction, Welding. L. Campbell, jr. 1,810,158; June 16.
Torch, Cutting. S. Plumley. 1,808,967–8; June 9.
Torch, Cutting. G. C. Quelch. 1,800,569; Apr. 14.
Torch cutting device. W. F. Palmer. 1,804,271; May 5.
Torch, Electric. J. Lister. 1,828,778; Oct. 27.
Torch for orchard heaters and the like, Lighting. W. C. Scheu. 1,813,962; July 14.
Torch, Gas. J. H. Mellers and J. R. Young, jr. 1,830,067; Nov. 3.
Torch, Heating. G. L. Hammon. 1,835,215; Dec. 8.
Torch, Liquid-fuel-burning. R. B. Spinney. 1,796,768; Mar. 17.
Torch, Liquid-fuel-burning. T. C. Wilson and R. J. Petty. 1,796,776; Mar. 17.
Torch, Portable. W. C. Elze. 1,820,383; Aug. 25.
Torch, Soldering. L. N. Dreibelbis. 1,798,195; Mar. 31.
Torch, Welding. L. Campbell, jr. 1,835,845; Dec. 8.
Torch, Welding. J. A. and I. F. Fausek. 1,832,623; Nov. 17.
Torch, Welding. R. T. Gillette and E. S. Webster. 1,808,541; June 2.
Torch with multiplicity of orifices, Cutting. C. J. Coberly. Re17,969; Feb. 17.
Torch with noninterfering converging jets, Cutting. C. J. Coberly. 1,799,612; Apr. 7.
Torchere. S. Cantor. Des. 83,188; Feb. 3.
Torchère. J. Castelli. 1,819,733; Aug. 18.
Torchère and bridge lamp, Combined. L. C. Doane. 1,802,460; Apr. 28.
Torches and using same, Auxiliary jet cutting tip for cutting. C. J. Coberly. 1,791,158; Feb. 3.
Torches and using same, Diverging jet cutting tip for cutting. C. J. Coberly. 1,791,159; Feb. 3.
Torches, Attachment for cutting. C. F. Marsh. 1,792,317; Feb. 10.
Torches, Cutting tip for gas. G. L. Hammon. 1,830,432; Nov. 3.
Torpedo. G. E. Elia. 1,816,768; July 28.
Torpedo. P. Orlando. 1,820,822; Aug. 25.
Torpedo. P. Orlando. 1,825,816; Oct. 6.
Torpedo. L. Sacco. 1,825,161; Sept. 29.
Torpedo course calculator. A. D. Trenor. 1,814,462; July 14.
Torpedo, Oil well. M. D. Mitchell. 1,835,666; Dec. 8.
Torpedo, Paravane. J. H. Hammond, jr. 1,806,346; May 19.
Torpedo shaped suspended railway vehicles for high speeds. C. Stedefeld. 1,821,121; Sept. 1.
Torpedo, Wireless-controlled aerial. E. A. Sperry. 1,792,937; Feb. 17.
Torpedoes, Air blowing exercise head for. J. L. King, C. T. Minkler, and T. J. Gill. 1,803,530; May 5.
Torque ball retainer and speedometer. W. R. Smith. 1,809,734; June 9.
Torque converter. A. J. Paige. 1,789,879; Jan. 20.
Torque device, Mobile. E. S. Purington. 1,817,763; Aug. 4.
Torque equalizing mechanism. C. B. Curtiss. 1,803,895; May 5.
Torque-indicating apparatus. W. N. Thompson and J. E. Hughes. 1,795,623; Mar. 10.
Torsion balance, Eötvös's. S. Rybár. 1,829,876; Nov. 3.

Torsion testing machine. P. L. Irwin. 1,804,621; May 12.
Torus-shaped device for maintaining the air bags or water bags during the vulcanizing of pneumatic tires. E. Garabiol. 1,788,428; Jan. 13.
Total taking mechanism, Self starting automatic. J. Powers. 1,836,039; Dec. 15.
Totalizer. F. E. Miner. 1,797,273; Mar. 24.
Totalizing device. F. G. L. Boyer. 1,817,476; Aug. 4.
Tourist's outfit. W. A. Frisby. 1,825,183; Sept. 29.
Tourniquet. A. R. Kempf. 1,827,241; Oct. 13.
Tow hook. E. B. Staley. 1,824,843; Sept. 29.
Tow lines, slings, and the like, Attaching means. J. J. A. Miller. 1,831,074; Nov. 10.
Towing device. L. C. Larsen. 1,836,806; Dec. 15.
Towing device, Vehicle. J. J. Herlbauer, H. and C. Gulotta. 1,803,389; May 5.
Towing means. H. D. Seger. 1,793,419; Feb. 17.
Towing means for motor vehicles and the like. J. Mendelson. 1,820,314; Aug. 25.
Towel and the like, Paper. J. C. Sherman. 1,819,041; Aug. 18.
Towel bar. G. E. Pickup. 1,838,444; Dec. 29.
Towel bar bracket, Self adjustable. E. Reynolds. 1,813,818; July 7.
Towel bundling machine. J. H. Addler. 1,823,078; Sept. 15.
Towel rack. A. H. Howe. 1,801,158; Apr. 14.
Towel rack. C. S. Marden. 1,788,166; Jan. 6.
Towel rack. W. H. Pleiss. 1,796,344; Mar. 17.
Towel rack. E. Reynolds. 1,800,030; Apr. 7.
Towels, Apparatus for heating and sterilizing. E. G. Dooley. 1,804,752; May 12.
Towels preparatory for washing, Bundling. J. H. Addler. 1,803,826; May 5.
Tower. H. T. Barnhart. 1,816,715; July 28.
Tower and scrubber, Fractionating. J. N. Vandergrift. 1,829,949; Nov. 3.
Tower, Atmospheric cooling. G. T. Martin. 1,830,366; Nov. 3.
Tower construction. H. O. Hill. 1,806,459; May 19.
Tower construction, Bubble. O. C. Brewster. 1,822,609; Sept. 8.
Tower, Cooling. G. H. Lifur. 1,839,104; Dec. 29.
Tower, Dam building. C. A. Budnik. 1,837,525; Dec. 22.
Tower, Fractionating. J. B. Weaver. 1,835,683; Dec. 8.
Tower grillage. G. F. Porter. 1,796,720; Mar. 17.
Tower, Structural. L. A. Prescott and I. W. Marshall. 1,820,156; Aug. 25.
Toy. J. P. Atkins. 1,832,756; Nov. 17.
Toy. C. C. Blackmore. 1,813,985; July 14.
Toy. R. L. Bowman. 1,836,640; Dec. 15.
Toy. R. H. Brown. 1,790,405; Jan. 27.
Toy. J. E. Brubaker. 1,804,313; May 5.
Toy. C. Carson. 1,800,778; Apr. 14.
Toy. C. R. Compton. 1,791,401; Feb. 3.
Toy. G. Covey. 1,788,453; Jan. 13.
Toy. A. V. Da Costa. 1,789,333; Jan. 20.
Toy. C. Dowling. 1,800,285; Apr. 14.
Toy. C. C. Elliotte. 1,817,882; Aug. 4.
Toy. W. J. Gallagher. 1,806,053; May 19.
Toy. W. B. Le Ganger. 1,825,967; Oct. 6.
Toy. C. J. Gerken. 1,822,283; Sept. 8.
Toy. S. Gordon. Des. 84,637; July 14.
Toy. H. G. Hose. 1,833,421; Nov. 24.
Toy. R. L. Hudson. 1,811,934; June 30.
Toy. C. B. Jordan. 1,816,378; July 28.
Toy. M. Kavur. Des. 83,860; Apr. 7.
Toy. O. Klaus. 1,835,786; Dec. 8.
Toy. M. Lee. Des. 83,052; Jan. 13.
Toy. E. P. Lehmann. 1,802,433; Apr. 28.
Toy. J. Liginski. 1,836,855; Dec. 15.
Toy. S. L. Long. 1,811,056; June 23.
Toy. S. L. Long. 1,817,751; Aug. 4.
Toy. L. Marx. 1,807,791; June 2.
Toy. L. Marx. 1,828,288; Oct. 20.
Toy. L. Marx. 1,830,799; Nov. 10.
Toy. E. G. Masters. 1,824,677; Sept. 22.
Toy. J. B. McDonough, jr. 1,803,506; May 5.
Toy. M. and B. Menkus. 1,815,378; July 21.
Toy. H. H. Moore. Des. 84,255; May 26.
Toy. C. J. Moore. 1,796,157; Mar. 10.
Toy. H. Müller. 1,793,121; Feb. 17.
Toy. H. A. Myers. 1,813,252; July 7.
Toy. A. Olson. Des. 85,540; Nov. 10.
Toy. A. Paul and F. Sturni. 1,808,678; June 2.
Toy. J. Petrosky. 1,811,022; June 23.
Toy. E. Prunetti. 1,823,064; Sept. 15.
Toy. A. E. Rittenhouse. 1,819,403; Aug. 18.
Toy. W. O. Roeder. 1,825,921; Oct. 6.
Toy. A. Schoder. 1,796,483; Mar. 17.
Toy. W. P. Shepherd. 1,796,811; Mar. 17.
Toy. F. Smetak. 1,793,645; Feb. 24.
Toy. W. E. Sperry. 1,814,230; July 14.
Toy. C. C. Stetson. 1,803,365; May 5.
Toy. C. C. Stetson. 1,803,490; May 5.
Toy. M. E. Thornton. 1,788,752; Jan. 13.
Toy. W. T. Thorp. 1,794,258; Feb. 24.
Toy. L. Turchanyi. Des. 84,009–18; Apr. 21.
Toy. L. Turchanyi. Des. 84,120–1; May 5.
Toy. H. J. Vetter. Des. 85,019; Sept. 1.
Toy. O. Weston. 1,798,242; Mar. 31.
Toy. F. Worden. 1,793,831; Feb. 24.
Toy, Acrobatic. H. L. Bloxom. 1,817,959; Aug. 11.
Toy, Advertising. P. M. Hennegan. 1,835,777; Dec. 8.
Toy, Aerial. V. Brady. 1,804,244; May 5.
Toy, Aerial. G. A. Moore. 1,835,717; Dec. 8.
Toy, Aerial. J. M. Schutte. Des. 84,108; May 5.
Toy, Aerial. J. B. Tegarty. 1,790,849; Feb. 3.
Toy aeroplane. R. E. Cariveau. 1,802,195; Apr. 21.
Toy aeroplane. J. S. Fridolph. Des. 83,252; Feb. 10.
Toy aeroplane. M. Markowitz. 1,791,366; Feb. 3.
Toy aeroplane. H. S. V. Rydell. 1,798,706; Mar. 31.
Toy aeroplane. A. F. Wolff. 1,814,104–5; July 14.
Toy aeroplane, Display. J. E. Burgess. 1,803,789; May 5.
Toy aircraft liner. F. A. Berg. 1,829,034; Oct. 27.
Toy, Airplane. S. I. Berger. 1,804,737; May 12.
Toy airplane. J. Bott. 1,794,576; Mar. 3.
Toy, Airplane. A. J. Dacey, jr. 1,802,139; Apr. 21.
Toy airplane. N. E. Gardner. 1,803,469; May 5.
Toy airplane. H. T. Kingsbury. 1,830,363; Nov. 3.
Toy airplane. F. A. Norcross. 1,818,426; Aug. 11.
Toy airplane. R. Pollock. 1,792,760; Feb. 17.
Toy airplane. R. P. Timson. 1,799,936; Apr. 7.
Toy airplane. E. B. and W. Wilder and B. B. Baker. 1,832,169; Nov. 17.
Toy airship, Structural. R. E. Conway. 1,795,074; Mar. 3.
Toy, Amusement. J. Choran. 1,797,129; Mar. 17.
Toy and securing means therefor. M. J. Napier, Akron, Ohio. 1,814,055; July 14.
Toy animal. L. Prahar. 1,815,070; July 21.
Toy animal. A. Séror. Des. 83,218; Feb. 3.
Toy animal. A. Séror. Des. 84,444; June 16.
Toy animal. S. Slesinger. Des. 83,929–30; Apr. 14.
Toy animal. A. E. Woolnough. Des. 83,297; Feb. 10.
Toy animal, Walking. J. M. Danko and J. Kasarda. 1,807,391; May 26.
Toy, Animated. P. P. Wehner. 1,805,156; May 12.
Toy apparatus, Motor vehicle. R. L. Mapson. 1,825,968; Oct. 6.
Toy, Ball-operated mechanical. C. Zabel. 1,792,346; Feb. 10.
Toy balloons, Ornamenting. A. P. Witten. Re18,068; May 12.
Toy, Bandalore. J. Asbury and E. R. Austin. 1,793,151; Feb. 17.
Toy bank. A. C. Balson. 1,804,733; May 12.
Toy bank. A. C. Balson. 1,838,650; Dec. 29.
Toy bank. W. C. Schnier. 1,826,528; Oct. 6.
Toy bank and vending machine. W. Selby and R. P. Magnenat. 1,813,713; July 7.
Toy basket ball game. H. Garver. Re18,163; Aug. 25.
Toy bird. F. J. Catterlin. Des. 83,090; Jan. 20.
Toy boat with outboard motor. H. S. Rockwell. 1,825,547; Sept. 29.
Toy bogie truck. H. F. Corey. 1,791,660; Feb. 10.
Toy, Boxing. H. F. Crowell. 1,799,735; Apr. 7.
Toy, Boxing. J. Peterson. 1,824,790; Sept. 29.
Toy building construction. A. F. Bemis. 1,830,382; Nov. 3.
Toy building construction. A. C. Gilbert. 1,789,868; Jan. 20.
Toy building construction. A. C. Gilbert. 1,820,660; Aug. 25.
Toy building construction. E. I. Rogers, jr. 1,832,584; Nov. 17.
Toy building structure. N. H. Hefter. 1,800,628; Apr. 14.
Toy call box. F. W. Warner. 1,812,228; June 30.
Toy cannon. S. I. Berger. 1,832,177; Nov. 17.
Toy cannon. B. Engstrom. 1,807,974; June 2.
Toy cannon. J. B. Gavlak. 1,834,395; Dec. 1.
Toy cannon. P. J. Hemmer and H. Waneck. 1,800,069; Apr. 7.
Toy cannon. J. W. MacDonald. 1,806,693; May 26.
Toy car trucks, Pivotal means for. H. C. Ives and H. R. Newsom. 1,789,042; Jan. 13.
Toy cars, Removable roof for. M. Caruso. 1,829,505; Oct. 27.
Toy catapult. J. T. Copas. 1,831,230; Nov. 10
Toy, Character figure group. S. I. Berger. Des. 84,021–2; Apr. 28.
Toy Christmas tree. N. A. Becker. 1,823,021; Sept. 15.
Toy, Combined pony and rider. W. King. Des. 84,089; May 5.
Toy, Construction. A. C. Gilbert. 1,789,896; Jan. 20.
Toy, Construction. A. C. Gilbert. 1,792,976; Feb. 17.
Toy, Construction. A. C. Gilbert. 1,804,926; May 12.
Toy, Construction. A. C. Gilbert. 1,820,661; Aug. 25.
Toy, Constructional. A. C. Gilbert. 1,815,708; July 21.
Toy, Constructional. F. Hornby. 1,828,045; Oct. 20.
Toy demonstrator, Mechanical. W. D. Ferris. 1,836,233; Dec. 15.
Toy, Detonating. T. J. Deck, sr. 1,802,201; Apr. 21.
Toy, Display. H. O. Costello. 1,806,448; May 19.
Toy, Drag. W. P. Shepherd. 1,793,565; Feb. 24.
Toy drive, Aerial. J. Holtzman. 1,794,017; Feb. 24.
Toy drum. A. D. Converse. 1,803,173; Apr. 28.
Toy, Educational. S. S. Himmell. 1,825,231; Sept. 29.
Toy, Educational. M. R. Lukens. Des. 85,662; Dec. 1.
Toy electric engine. J. W. Haywood. 1,793,087; Feb. 17.
Toy electric locomotives, Reversing mechanism for. H. S. Becker. 1,796,554; Mar. 17.
Toy electric railway and apparatus therefor. L. W. Rosenthal. 1,798,171; Mar. 31.
Toy electric railway system. W. A. Browne and R. Kissel. 1,813,560; July 7.

Toy electric railway tracks, Clip for. J. C. Koerber. 1,804,783; May 12.
Toy, Electrical. J. L. Cowen and L. Caruso. 1,822,015; Sept. 8.
Toy, Electrical. H. E. Loving. 1,810,250; June 16.
Toy, Electrical. W. L. Minnick, jr. 1,804,265; May 5.
Toy, Electrical target. H. F. Gade. 1,824,811; Sept. 29.
Toy element, Construction. A. C. Gilbert. Des. 85,427–9; Oct. 27.
Toy excavator. L. Marx. 1,792,851; Feb. 17.
Toy fence. W. I. Ravert. 1,792,708; Feb. 17.
Toy figure. C. Arnold. 1,789,800; Jan. 20.
Toy, Figure. W. P. Bostwick. 1,800,775; Apr. 14.
Toy figure. W. E. Disney. Des. 84,233; May 26.
Toy, Figure. J. Liginski. 1,830,435; Nov. 3.
Toy, Figure. L. L. Mallard. 1,801,676; Apr. 21.
Toy, Figure. W. H. Morley. 1,819,475; Aug. 18.
Toy, Figure. H. M. Schelle, H. G. Fisher, N. Barebam, and E. S. Savage. 1,829,680; Oct. 27.
Toy figure. G. Schmidt. 1,829,112; Oct. 27.
Toy figure. W. F. Thompson. Des. 84,554; June 30.
Toy, Figured. C. A. Wetzell. 1,802,854; Apr. 28.
Toy, Flying. W. C. Wood. 1,807,365; May 26.
Toy game, Endless circuit. C. A. Diederichs. 1,816,471; July 28.
Toy gas cannon. J. W. MacDonald. 1,806,633; May 26.
Toy golf course. D. A. Valvano. Des. 84,224; May 19.
Toy golf player. W. B. Scott. Des. 83,759; Mar. 24.
Toy gun. M. Garbell. 1,800,994; Apr. 14.
Toy gun. J. C. Haws. 1,811,010; June 23.
Toy gun. F. Keseleff. 1,827,023; Oct. 13.
Toy gun. F. T. Russell. 1,812,902; July 7.
Toy gun. F. T. Russell. 1,824,503; Sept. 22.
Toy gun. G. Schrödel. 1,797,966; Mar. 24.
Toy gun. C. C. Shigley. 1,818,763; Aug. 11.
Toy gun. O. M. Sword. 1,837,734; Dec. 22.
Toy gun of the repeater type. F. T. Russell. 1,824,504; Sept. 22.
Toy gun, Pneumatic. W. J. McCann. 1,818,264; Aug. 11.
Toy gun, Vortex ring. G. J. Lejeune. 1,806,067; May 19.
Toy handcuff. T. J. Hoglund. 1,806,163; May 19.
Toy helicopter aeroplane. J. C. Johnson. 1,793,368; Feb. 17.
Toy, Helicopter flying. H. T. Nelson. 1,803,636; May 5.
Toy, Highway. J. E. Pettibone. 1,829,963; Nov. 3.
Toy horse, Mechanical. J. S. King and W. L. Henderson. 1,819,029; Aug. 18.
Toy, Knockdown structural. J. F. Key. 1,837,553; Dec. 22.
Toy, Lariat. R. B. Canaday. 1,818,301; Aug. 11.
Toy locomotive. L. Caruso. 1,802,458; Apr. 28.
Toy locomotive and the like, Structural. R. H. Shepard. 1,812,498; June 30.
Toy locomotives, Electric motor for. W. E. Thorn. 1,798,818; Mar. 31.
Toy locomotives, Simulating fire boxes on. S. V. Chaplan. 1,793,543; Feb. 24.
Toy machine gun. E. J. Lalumiere. 1,794,411; Mar. 3.
Toy, Machine-gun. W. V. Whatley. 1,789,206; Jan. 13.
Toy, Marionette. H. T. Rogers. 1,820,367; Aug. 25.
Toy, Mechanical. S. I. Berger. 1,789,095; Jan. 13.
Toy, Mechanical. S. I. Berger. 1,827,775; Oct. 20.
Toy, Mechanical. J. G. Gavlak. 1,811,543; June 23.
Toy, Mechanical. F. J. Goriup. 1,793,480; Feb. 24.
Toy, Mechanical. W. W. Harris. 1,811,929; June 30.
Toy, Mechanical. C. E. Hudson. 1,821,712; Sept. 1.
Toy, Mechanical. A. S. Littlefield. 1,817,491; Aug. 4.
Toy, Mechanical. L. Markowitz. 1,823,749; Sept. 15.
Toy, Mechanical. F. J. Rippl and T. J. Wood. 1,832,740; Nov. 17.
Toy, Mechanical. G. Rovirosa. 1,795,183; Mar. 3.
Toy, Mechanical figure wheeled. S. I. Berger. 1,827,774; Oct. 20.
Toy money bank. G. C. Walling. Des. 85,268; Sept. 29.
Toy motor. J. F. Enyeart. 1,820,967; Sept. 1.
Toy, Moving-figure. D. H. MacBride. 1,791,730; Feb. 10.
Toy, Musical. A. F. Mirafuentes. 1,806,485; May 19.
Toy, Noise-making. B. De C. Denniston. 1,794,106; Feb. 24.
Toy, Noise producing. W. J. Cipra. 1,805,566; May 19.
Toy, Nursery. R. Berman. Des. 83,716; Mar. 24.
Toy, Nursery. H. W. Block. 1,820,905; Sept. 1.
Toy or advertising device. J. Gallagher. 1,804,925; May 12.
Toy or similar article. M. Lee. Des. 84,355; June 9.
Toy or similar article. L. Merel. Des. 84,998; Sept. 1.
Toy parachute. E. Grimm. 1,795,946; Mar. 10.
Toy performer. P. Lazzari. 1,807,119; May 26.
Toy pistol. L. S. Chilson. 1,794,364; Mar. 3.
Toy pistol. C. Carpenter. 1,826,053; Oct. 6.
Toy pistol. E. B. Jones. 1,831,453; Nov. 10.
Toy pistol. M. R. La Sala and F. Simone. 1,807,922; June 2.
Toy, Pneumatic. L. C. Greer and C. W. Lee. 1,796,599; Mar. 17.
Toy power boat. C. A. Rimmer. Des. 83,215; Feb. 3.
Toy, Pull. W. G. Jones. 1,801,312; Apr. 21.
Toy, Rack-operated. C. Arnold. 1,796,275; Mar. 17.
Toy, Radiator heat-driven moving. A. Cesario. 1,792,142; Feb. 10.
Toy railroad-track construction. M. Caruso. 1,792,141; Feb. 10.
Toy railroad track embankment. C. F. Stone. 1,807,803; June 2.
Toy railway track clip. J. C. Koerber. 1,804,784; May 12.
Toy railways, Roadbed construction for. C. R. Peterson, jr. 1,800,956; Apr. 14.
Toy railways, Trackway for. J. C. Koerber. 1,828,536; Oct. 20.
Toy, Rocking. H. G. Gould. Des. 85,430–1; Oct. 27.
Toy, Rocking figure. G. P. Churus. 1,813,277; July 7.
Toy rocking figure propelled, Wheeled. G. Taylor. 1,809,739; June 9.
Toy, Rocking-moving vehicle. P. Muehlfeld and H. Deubel. 1,807,428; May 26.
Toy roller coaster. G. W. Keilholz. 1,788,953; Jan. 13.
Toy savings bank. A. Van Gytenbeek. Des. 84,907; Aug. 18.
Toy, Seesaw. W. David. 1,828,244; Oct. 20.
Toy, Self-propelled figure. E. S. Savage. 1,800,874; Apr. 14.
Toy ship hull, Sheet metal. J. Einfalt. 1,833,072; Nov. 24.
Toy sled. F. von Kaenel. 1,790,126; Jan. 27.
Toy slipper. R. Wiesner. 1,823,634; Sept. 15.
Toy, Sound reproducing. M. Shulman. 1,837,076; Dec. 15.
Toy, Spinning. W. J. Kerr. 1,804,260; May 5.
Toy sternwheel steamboat, Miniature. W. C. Leiber. 1,814,837; July 14.
Toy store. P. O. Gilmond. 1,787,978; Jan. 6.
Toy, String-supported figure. H. W. Graves. 1,821,967; Sept. 8.
Toy swimming animal. J. Einfalt. 1,828,034; Oct. 20.
Toy table. I. V. Goodman. 1,789,432; Jan. 20.
Toy talking movie device. F. H. Owens. 1,828,199; Oct. 20.
Toy telephone. W. N. Hill. 1,808,036–7; June 2.
Toy telephone. W. C. Wood. 1,809,881; June 16.
Toy, Traveling wheeled gyroscopic. W. Hinsen. 1,821,940; Sept. 8.
Toy vehicle. H. F. Coggon. 1,791,070; Feb. 3.
Toy vehicle. C. H. G. Hart. 1,792,162; Feb. 10.
Toy vehicle. E. B. Jones. 1,797,471; Mar. 24.
Toy vehicle. J. C. Koerber. 1,817,316; Aug. 4.
Toy, Vehicle. F. A. Lundahl. 1,808,309–10; June 2.
Toy vehicle. M. Molinari. 1,820,474; Aug. 25.
Toy vehicle. W. F. Plantiko. 1,798,755; Mar. 31.
Toy vehicle and guiding apparatus therefor. J. F. Key. 1,824,214; Sept. 22.
Toy vehicle, Child's. W. O. Yancey. 1,799,402; Apr. 7.
Toy wagon. L. D. Ellis. 1,806,749; May 26.
Toy, Walking. W. A. Barry. 1,794,136; Feb. 24.
Toy, Walking. F. J. Catterlin. Des. 85,464; Nov. 3.
Toy, Walking. P. C. Marie. 1,803,197; Apr. 28.
Toy, Walking. J. H. Van Deventer. 1,808,695; June 2.
Toy, Walking figure wheeled. A. Bresch. 1,813,112; July 7.
Toy, Walking figure wheeled. A. Bresch. 1,815,287; July 21.
Toy, Wheeled. W. R. Crandall. Des. 84,073; May 5.
Toy, Wheeled. L. Oskow. 1,823,663; Sept. 15.
Toy, Whirligig. H. Harper. 1,788,869; Jan. 13.
Toy, Whirling. M. Nudelman. 1,803,638; May 5
Toy windmill. M. Morton. 1,816,229; July 28.
Toys, Spring motor for. J. Buttigieg. 1,795,271; Mar. 3.
Toys, Steering device in children's wheeled. J. Richter. 1,799,535; Apr. 7.
Tracing and copying or manifolding apparatus. P. Mecucci. 1,800,312; Apr. 14.
Tracing appliance for pairs of measuring pictures. R. Hugershoff. 1,827,473; Oct. 13.
Tracing device. A. Gastell. 1,811,121; June 23.
Tracing machine, Diagraphic. W. H. Martin. 1,822,664; Sept. 8.
Track. P. Clark and J. C. Pingle. 1,809,109; June 9.
Track and change-over mechanism for electric railway systems. A. M. Rossman. 1,828,946; Oct. 27.
Track and railroad truck, Railroad. A. E. Kintner. 1,829,358; Oct. 27.
Track brake. E. E. Fisher. 1,806,994; May 26.
Track brake, Railway. W. Bäseler. 1,812,190; June 30.
Track circuit apparatus, Railway. D. C. Bettison. 1,804,666; May 12.
Track circuit system. A. G. Williamson. 1,807,330; May 26.
Track clamp, Combination railway-. H. Waltemate. 1,790,889; Feb. 3.
Track construction, Railway-. W. H. Kirkbride. 1,800,453; Apr. 14.
Track diagram, Illuminated. J. F. Merkel. 1,824,164; Sept. 22.
Track, Double acting door reversing. R. D. Conklin. 1,813,564; July 7.
Track, Endless. A. F. Masury. 1,830,399; Nov. 3.
Track, Endless. A. F. Masury. 1,833,052; Nov. 24.
Track for dog racing. L. G. Throckmorton. 1,787,604; Jan. 6.
Track for track laying vehicles, Flexible. H. A. Knox and B. F. Baker. 1,825,075; Sept. 29.
Track for vehicles, Endless bank. H. A. Knox. 1,804,470; May 12.
Track for wheels, Flexible. L. A. Legros. 1,790,431; Jan. 27.
Track holding and bracing device. Railroad. W. C. Schmitt. 1,800,322; Apr. 14.
Track instrument. K. W. Abendroth. 1,824,108; Sept. 22.

Track jack. T. J. Lavan. 1,831,670; Nov. 10.
Track liner. B. H. Falkner. 1,826,756; Oct. 13.
Track, Monorail. G. C. Henderson. 1,811,270; June 23.
Track rails and the like, Anchorage means for. P. Chipman. 1,789,459; Jan. 20.
Track sander. J. H. and J. W. Hanlon. 1,815,472; July 21.
Track sanding pipe. C. H. Mead. 1,830,708; Nov. 3.
Track, Sectional. T. MacCallum. 1,825,804; Oct. 6.
Track signal, Railway. R. M. Wilson. 1,827,633; Oct. 13.
Track stringer connection, Railway. E. B. Rayner. 1,816,697; July 28.
Track structure, Railroad. W. Dalton. 1,836,749; Dec. 15.
Track structure, Railway-. R. L. Gillispie. 1,788.622; Jan. 13.
Track structure, Railway. J. R. Ulrich. 1,820,586; Aug. 25.
Track system. G. W. Hegel. 1,789,436; Jan. 20.
Track system, Suspension-rail. A. H. Müller. 1,794,089; Feb. 24.
Track tread for vehicles, Endless. C. L. George. 1,789,814; Jan. 20.
Track with movable elements, Resilient. A. Kégresse. 1,790,098; Jan. 27.
Tracks, Cane for controlling railway. J. Bougues. 1,788,080; Jan. 6.
Trackway. W. F. Palmer. 1,804,272; May 5.
Trackway device. A. E. Hudd. 1,837,440; Dec. 22.
Trackway devices, Checking. F. L. Dodgson. 1,831,232; Nov. 10.
Trackway, Motor conveyer. E. Hanak. 1,805,175; May 12.
Traction apparatus for agricultural implements. R. B. Otwell. 1,790,595; Jan. 27.
Traction apparatus, Therapeutic. G. S. Gillberg. 1,837,037; Dec. 15.
Traction attachment for vehicle wheels. A. Gerth. 1,810,043; June 16.
Traction attachment for wheels. F. and D. W. Rivers. 1,822,748; Sept. 8.
Traction belt attachment. D. S. Kennedy. 1,808,416; June 2.
Traction clamp. A. E. Keates. 1,792,911; Feb. 17.
Traction connection and the like. A. R. Keeler. 1,833,713; Nov. 24.
Traction device. H. F. Ames. 1,824,525; Sept. 22.
Traction device. E. P. Engstrom. 1,820,695; Aug. 25.
Traction device. H. H. Glasier. 1,818,550; Aug. 11.
Traction device, Endless. R. W. Pearson. 1,796,533; Mar. 17.
Traction device for tires. M. P. Douglas. 1,794,676; Mar. 3.
Traction device for vehicles. A. Seppola. 1,819,924; Aug. 18.
Traction device for vehicle tires. J. R. Vosburgh. 1,800,878; Apr. 14.
Traction device for vehicle wheels. J. R. Vosburgh. 1,800,877; Apr. 14.
Traction device for wheels. T. Zerbi. 1,822,793; Sept. 8.
Traction frame. H. H. Glasier. 1,804,412; May 12.
Traction mechanism. R. C. Osgood. 1,792,114; Feb. 10.
Traction mechanism, Crawling. D. J. Shelton. 1,804,816; May 12.
Traction of vehicles. J. C. M. Massey. 1,811,018; June 23.
Traction shoe. D. E. Hoffman. 1,809,782; June 9.
Traction tread. R. W. Harding and J. J. Richards. 1,815,435; July 21.
Traction wheel. B. R. Benjamin. 1,831,989; Nov. 17.
Traction wheel. H. Bylin. 1,827,730; Oct. 20.
Traction wheel. J. J. Campodonico. 1,800,600; Apr. 14.
Traction wheel. W. J. Hanig. 1,803,702; May 5.
Traction wheel. W. E. Wine and J. W. Promenschenkel. 1,793,985; Feb. 24.
Tractor. H. E. Altgelt. 1,811,072; June 23.
Tractor. J. De Boer. 1,821,007; Sept. 1.
Tractor. T. Brown. 1,830,748; Nov. 10.
Tractor. D. P. Davies. 1,819,640; Aug. 18.
Tractor. J. Donaldson. 1,800,782; Apr. 14.
Tractor. H. W. Grage. 1,838,222; Dec. 29.
Tractor. R. O. Hendrickson. 1,793,482; Feb. 24.
Tractor. R. O. Hendrickson and T. Nelson. 1,822,093; Sept. 8.
Tractor. C. A. Henneuse. 1,812,875; July 7.
Tractor. C. A. Henneuse and C. A. Hawkins. 1,808,735; June 2.
Tractor. B. G. Jennings. 1,812.958; July 7.
Tractor. W. K. Liggett. 1,815,674; July 21.
Tractor. H. H. Linn. 1,809,344; June 9.
Tractor. K. E. Moree. 1,836,982; Dec. 15.
Tractor. A. E. Norris. 1,833,032; Nov. 24.
Tractor. C. Opolo. 1,829,808; Nov. 3.
Tractor. W. L. Paul. 1,821,073; Sept. 1.
Tractor. T. R. Paulsen. 1,806,819; May 26.
Tractor. A. G. and A. Ronning. 1,815,271; July 21.
Tractor. F. O. Snow, jr. 1,794,332; Feb. 24.
Tractor. R. H. White. 1,799,878; Apr. 7.
Tractor. R. H. White. 1,812,543; June 30.
Tractor. W. F. Winstead. 1,814.996; July 14.
Tractor and trailer coupling. H. B. Strachan. 1,805,642; May 19.
Tractor attachment. H. Buse. 1,826,238; Oct. 6.
Tractor attachment. A. Fickenscher. 1,818,468; Aug. 11.
Tractor attachment. G. Ghiselli. 1,828,929; Oct. 27.
Tractor attachment. G. H. Reiners. 1,800,659; Apr. 14.
Tractor attachment. M. A. Roggeman. 1,792,035; Feb. 10.
Tractor attachment for trucks. G. I. Worley. 1,821,196; Sept. 1.
Tractor, Cable. J. S. Church. 1,804,148; May 5.
Tractor, Conduit. J. R. Jordan. 1,829,143; Oct. 27.
Tractor cultivator. W. S. Graham. 1,797,863; Mar. 24.
Tractor cultivator. A. G. and A. Ronning. 1,819,624; Aug. 18.
Tractor cutter. J. H. Clark. 1,816,074; July 28.
Tractor device to provide three speeds in reverse for said tractor. A. R. Campbell and C. D. Draper. 1,801,658; Apr. 21.
Tractor disk harrow. A. E. W. Johnson. 1,832,027; Nov. 17.
Tractor disk harrow. W. R. Peterson. 1,832,049; Nov. 17.
Tractor equipment combination. W. D. Shoemaker. 1,828,079; Oct. 20.
Tractor equipment combination. F. L. Young and W. D. Shoemaker. 1,830,417; Nov. 3.
Tractor frame. T. N. Garson. 1,808,217; June 2.
Tractor guide. W. J. Etbauer. 1,833,895; Dec. 1.
Tractor guide. L. M. and A. C. Green. 1,837,659; Dec. 22.
Tractor guide. R. A. Trively. 1,827,123; Oct. 13.
Tractor hitch. H. A. Gemberling and A. Bjella. 1,811,267; June 23.
Tractor hitch. E. R. Greer. 1,799,846; Apr. 7.
Tractor hitch. F. W. Hoesing. 1,818,256; Aug. 11.
Tractor hitch. D. J. Hughes. 1,797,660; Mar. 24.
Tractor hitch. E. W. Johnson. 1,812,049; June 30.
Tractor hitch. J. Laramee. 1,832,641; Nov. 17.
Tractor hitch. A. A. and R. F. Lenhart. 1,813,500; July 7.
Tractor hitch for farm implements, Multiple. S. B. Hendricks. 1,836,168; Dec. 15.
Tractor hoist. R. B. Moore. 1,803,400; May 5.
Tractor implement. A. C. Lindgren and J. L. Hipple. 1,819,684; Aug. 18.
Tractor implement, Combination. A. and A. G. Ronning. 1,815,273; July 21.
Tractor, Lawn. C. C. Worthington. 1,793,271; Feb. 17.
Tractor links, Apparatus for broaching. E. F. Longenback. 1,830,472; Nov. 3.
Tractor lister attachment. W. S. Graham. 1,819,679; Aug. 18.
Tractor lug. C. J. Nottke. 1,824,227; Sept. 22.
Tractor plow. J. H. Taylor. 1,811,733; June 23.
Tractor plow guide. R. R. McLamarrah. 1,795,225; Mar. 3.
Tractor power take-off attachment. E. Knapp and C. G. Allgrunn. 1,834,100; Dec. 1.
Tractor sprocket. C. Rorabeck. 1,829,874; Nov. 3.
Tractor steering device, Motor grader. I. Char. 1,825,220; Sept. 29.
Tractor supporting unit. J. S. Oechsle. 1,805,704; May 19.
Tractor track, Articulated. L. T. Kincannon. 1,810,138; June 16.
Tractor, Tracklaying. G. Polakoff. 1,792,759; Feb. 17.
Tractor, Trench. G. H. Greiman. 1,817,367; Aug. 4.
Tractor wheel. M. Mauler. 1,793,411; Feb. 17.
Tractor wheel. T. W. Steele. 1,822,634; Sept. 8.
Tractor wheel, Convertible. A. Gnaegy. 1,825,394; Sept. 29.
Tractors and the like, Draft appliance for. H. J. Neufang. 1,799,862; Apr. 7.
Tractors and the like, Sweeper attachment for. I. H. Judd. 1,791,564; Feb. 10.
Tractors, Attachment for. T. and T. K. Andersen. 1,831,222; Nov. 10.
Tractors, Corn lifter attachment for. H. Synck. 1,827,215; Oct. 13.
Tractors, Corn picker attachment for. N. W. Franzkowiak. 1,808,030; June 2.
Tractors, Cornstalk and clod cutter attachment for. D. E. Ross. 1,795,182; Mar. 3.
Tractors, Detachable spade lugs for. O. F. Jeglum and R. E. Hartwick. 1,815,150; July 21.
Tractors, Draft and lifting device for agricultural, R. L. A. Delaye. 1,800,284; Apr. 14.
Tractors, Draft attachment for. W. L. Paul. 1,838,865; Dec. 29.
Tractors, Extension support and driving means for. R. H. White. 1,803,447; May 5.
Tractors, Power take-off mechanism for. W. J. Coultas and R. C. Livesay. 1,827,070; Oct. 13.
Tractors, Steerer for. E. Liimatta. 1,830,552; Nov. 3.
Tractors, Suspension for. W. H. Whitacre. 1,790,294; Jan. 27.
Tractors, Wheel scraping attachment for. H. Walters. 1,829,172; Oct. 27.
Traffic barrier, Yieldable. A. Sprung. 1,795,621; Mar. 10.
Traffic control apparatus, Railway. R. M. Gilson. 1,827,391; Oct. 13.
Traffic control system, Automatic. R. S. Seese. 1,832,510; Nov. 17.
Traffic control system for multifloor garages. S. E. Test. 1,823,008; Sept. 15.
Traffic control, Unitary. D. E. Wescott. 1,824,973; Sept. 29.
Traffic controlling apparatus, Railway. D. C. Ackerly. 1,812,187; June 30.

Traffic-controlling apparatus, Railway-. E. M. Allen. 1,796,257; Mar. 10.
Traffic controlling apparatus, Railway. E. M. Allen. 1,820,110; Aug. 25.
Traffic-controlling apparatus, Railway-. E. M. Allen and R. E. Willard. 1,797,218; Mar. 24.
Traffic controlling apparatus, Railway. L. R. Allison and F. H. Nicholson. 1,826,161; Oct. 6.
Traffic-controlling apparatus, Railway-. G. W. Baughman. 1,797,314; Mar. 24.
Traffic controlling apparatus, Railway. G. W. Baughman. 1,810,939–40; June 23.
Traffic controlling apparatus, Railway. G. W. Baughman. 1,814,581; July 14.
Traffic controlling apparatus, Railway. G. Baumgartner. 1,824,589; Sept. 22.
Traffic-controlling apparatus, Railway-. P. N. Bossart. 1,794,360; Mar. 3.
Traffic-controlling apparatus, Railway-. C. A. Brooks. 1,790,652; Feb. 3.
Traffic controlling apparatus, Railway. H. W. Bryan. 1,810,945; June 23.
Traffic-controlling apparatus, Railway-. J. P. Coleman. 1,791,799; Feb. 10.
Traffic-controlling apparatus, Railway-. P. H. Crago. 1,797,285; Mar. 24.
Traffic controlling apparatus, Railway. C. W. Failor. 1,816,182; July 28.
Traffic controlling apparatus, Railway. C. W. Failor. 1,824,597; Sept. 22.
Traffic controlling apparatus, Railway. F. T. Fereday. 1,806,795; May 26.
Traffic-controlling apparatus, Railway-. P. H. Geiger. 1,797,468; Mar. 24.
Traffic-controlling apparatus, Railway-. L. O. Grondahl. 1,789,898; Jan. 20.
Traffic controlling apparatus, Railway. A. P. Jackel. 1,822,218; Sept. 8.
Traffic-controlling apparatus, Railway-. A. T. Johnston. 1,792,427; Feb. 10.
Traffic controlling apparatus, Railway. R. R. Kemmerer. 1,812,154; June 30.
Traffic controlling apparatus, Railway. F. W. Lee. 1,806,691; May 26.
Traffic-controlling apparatus, Railway-. L. V. Lewis. 1,792,847; Feb. 17.
Traffic-controlling apparatus, Railway-. L. V. Lewis. 1,792,915; Feb. 17.
Traffic controlling apparatus, Railway. L. V. Lewis. 1,820,080; Aug. 25.
Traffic controlling apparatus, Railway. L. V. Lewis. 1,824,605; Sept. 22.
Traffic controlling apparatus, Railway. H. S. Loomis 1,822,497; Sept. 8.
Traffic controlling apparatus, Railway. E. A. Lowman. 1,815,948; July 28.
Traffic controlling apparatus, Railway. R. A. McCann. 1,802,611; Apr. 28.
Traffic controlling apparatus, Railway. R. A. McCann. 1,808,243; June 2.
Traffic controlling apparatus, Railway. R. A. McCann. 1,822,498; Sept. 8.
Traffic controlling apparatus, Railway. F. H. Nicholson. 1,837,789; Dec. 22.
Traffic controlling apparatus, Railway. B. E. O'Hagan. 1,806,817; May 26.
Traffic controlling apparatus, Railway. B. E. O'Hagan. 1,824,619; Sept. 22.
Traffic-controlling apparatus, Railway-. M. A. Penrod and C. A. Brooks. 1,797,479; Mar. 24.
Traffic controlling apparatus, Railway. H. V. Rudolph and W. H. Horsch. 1,815,448; July 21.
Traffic controlling apparatus, Railway. C. S. Snavely. Re18,079; May 19.
Traffic controlling apparatus, Railway. A. J. Sorensen. 1,806,092; May 19.
Traffic-controlling apparatus, Railway-. L. E. Spray. 1,791,851; Feb. 10.
Traffic controlling apparatus, Railway. L. E. Spray. 1,808,325; June 2.
Traffic controlling apparatus, Railway. L. E. Spray. 1,813,363; July 7.
Traffic controlling apparatus, Railway. C. F. Stoltz. 1,805,531; May 19.
Traffic-controlling apparatus, Railway-. H. A. Thompson. 1,797,560-61; Mar. 24.
Traffic-controlling apparatus, Railway-. H. A. Thompson. 1,798,286; Mar. 31.
Traffic controlling apparatus, Railway. H. A. Thompson. 1,802,319; Apr. 21.
Traffic controlling apparatus, Railway. H. A. Thompson and C. A. Brooks. 1,808,327; June 2.
Traffic controlling apparatus, Railway. H. A. Thompson. 1,816,302; July 28.
Traffic-controlling apparatus, Railway-. H. A. Wallace. 1,789,718; Jan. 20.
Traffic-controlling apparatus, Railway-. H. A. Wallace. 1,789,919-20; Jan. 20.
Traffic controlling apparatus, Railway. H. A. Wallace. 1,810,094–6; June 16.
Traffic controlling apparatus, Railway. H. A. Wallace. 1,810,452; June 16.
Traffic controlling apparatus, Railway. H. A. Wallace. 1,830,775; Nov. 10.
Traffic controlling apparatus, Railway. H. A. Wallace. 1,836,945; Dec. 15.
Traffic controlling apparatus, Railway. A. R. Whitehorn. 1,805,747; May 19.
Traffic controlling apparatus, Railway. H. S. Young. 1,815,640; July 21.
Traffic-controlling device. S. N. Wight. 1,794,568; Mar. 3.
Traffic controlling system for railroads. A. Langdon. 1,824,160; Sept. 22.
Traffic controlling system, Railway. A. T. Carter. 1,824,120; Sept. 22.
Traffic-controlling system, Railway-. F. L. Dodgson. 1,794,594–5; Mar. 3.
Traffic-controlling system, Railway-. R. B. Elsworth. 1,794,597–8; Mar. 3.
Traffic controlling system, Railway. J. S. Holliday. 1,830,793; Nov. 10.
Traffic controlling system, Railway. L. E. Melhuish. 1,811,857; June 30.
Traffic-controlling system, Railway-. M. A. Penrod. 1,796,342; Mar. 17.
Traffic-controlling system, Railway-. S. N. Wight. 1,792,455; Feb. 10.
Traffic controlling system, Railway. S. N. Wight. 1,824,185; Sept. 22.
Traffic gate. H. R. Fowler. 1,792,294; Feb. 10.
Traffic governing apparatus, Railway. C. A. Brooks. and H. S. Young. 1,821,002; Sept. 1.
Traffic-guard, Resilient. E. V. Camp. 1,793,673; Feb. 24.
Traffic guide, Roadway. L. M. King. 1,816,379; July 28.
Traffic indicator. H. L. Carey. 1,834,332; Dec. 1.
Traffic light, Safety. C. F. Springfels. 1,806,126; May 19.
Traffic line machine. W. E. Wasen. 1,818,916; Aug. 11.
Traffic marker, Street. A. F. Hoff. 1,789,525; Jan. 20.
Traffic recorder, Vehicular. J. A. Dunford. 1,836,655; Dec. 15.
Traffic regulating system, Street. A. J. Ray and C. E. Lomax. 1,825,284; Sept. 29.
Traffic sign stand. J. T. Horni. 1,805,095; May 12.
Traffic signal. R. Blesso. Des. 84,225; May 26.
Traffic signal. T. O. and A. N. Carter. 1,797,221; Mar. 24.
Traffic signal. W. B. McGill. 1,805,429; May 12.
Traffic signal. T. R. Pavelsky. Des. 85,302; Oct. 6.
Traffic signal. W. H. Schmitt. 1,795,448; Mar. 10.
Traffic signal. G. C. Walker. 1,829,025; Oct. 27.
Traffic signal actuating apparatus. F. Mamiya. 1,819,518; Aug. 18.
Traffic signal, Automobile. T. J. Baugh. Des. 85,458; Nov. 3.
Traffic signal, Automatic. P. Manz. 1,790,827; Feb. 3.
Traffic signal, Automatic. L. Tebbs and G. M. Boll. 1,802,684; Apr. 28.
Traffic signal, Gravity right-of-way. H. J. Ries. 1,793,416; Feb. 17.
Traffic-signal indicator. M. G. Clark and F. R. Higley. 1,791,160; Feb. 3.
Traffic signal indicator for automobiles. W. E. Phelps. 1,826,090; Oct. 6.
Traffic signal, Portable. J. M. Dapron. 1,830,784; Nov. 10.
Traffic signal switch. C. Bissell. 1,821,000; Sept. 1.
Traffic signal, Vehicle. F. Mamiya. 1,807,629; June 2.
Traffic signaling system. A. J. Massey. 1,817,754; Aug. 4.
Traffic signaling system and signal. R. J. Lackner. 1,805,406; May 12.
Traffic system, Railroad crossing. A. G. Shaver. 1,813,260; July 7.
Traffic warning device. R. T. Hurley. Des. 83,974; Apr. 21.
Trail frame. C. H. O. Wittig. 1,837,934; Dec. 22.
Trailer. B. L. Cochran. 1,804,089; May 5.
Trailer. F. K. Fildes. 1,836,158; Dec. 15.
Trailer. A. F. Kuester. 1,835,653; Dec. 8.
Trailer. I. A. Morris. 1,816,393; July 28.
Trailer. E. W. Shaw. 1,835,436; Dec. 8.
Trailer. J. VanVorst. 1,821,593; Sept. 1.
Trailer, Automobile. A. J. Lucke. 1,811,798; June 23.
Trailer, Camp. A. E. Jordan. 1,826,136; Oct. 6.
Trailer, Camping. G. F. Rappich. 1,826,480; Oct. 6.
Trailer, Camping. A. G. S. Sherman. 1,801,645; Apr. 21.
Trailer coupling. A. Ade. 1,837,940; Dec. 22.
Trailer coupling. C. E. Berggren. 1,812,768; June 30.
Trailer coupling. D. G. Hottmann. 1,812,240; June 30.
Trailer hitch. J. P. Andreasen. 1,827,832; Oct. 20.
Trailer hitch. J. Bilistein. 1,810,592; June 16.
Trailer hitch. G. C. Burkett. 1,807,303; May 26.
Trailer hitch. A. R. Davis. 1,796,085; Mar. 10.
Trailer hitch. J. Lambrecht. 1,813,858; July 7.
Trailer hitch. J. W. Rogers. 1,815,678; July 21.
Trailer hitch. E. L. Swartz. 1,838,238; Dec. 29.
Trailer hitch, Automobile. R. R. McLamarrah. 1,816,121; July 28.
Trailer, Tractor actuated dump body. S. B. Winn. 1,831,154; Nov. 10.
Trailer vehicle. G. H. Curtiss. Des. 85,816; Dec. 22.
Trailer wheel lock. J. Van Vorst. 1,809,003; June 9.
Trailers and the like, Construction for automobile. H. H. Linn. 1,794,630; Mar. 3.
Train and instructing it to take a siding, Locating a. A. B. Kendall. 1,827,020; Oct. 13.

Train-announcing apparatus. W. L. Ward. 1,795,458; Mar. 10.
Train-announcing apparatus. W. L. Ward. 1,795,748; Mar. 10.
Train-annunciating apparatus. L. E. Spray. 1,789,566; Jan. 20.
Train braking system. G. F. Gloster. 1,825,903; Oct. 6.
Train control. C. S. Bushnell. 1,794,582–3; Mar. 3.
Train control. W. K. Howe. 1,824,145; Sept. 22.
Train control. F. T. Knight. 1,790,753; Feb. 3.
Train control. R. F. Lipford. 1,791,729; Feb. 10.
Train control. N. D. Preston. 1,794,544; Mar. 3.
Train control. W. H. Reichard. 1,824,174; Sept. 22.
Train control. C. S. Williams. 1,814,612; July 14.
Train control apparatus. D. H. Schweyer. 1,832,327; Nov. 17.
Train control apparatus, Induction. D. H. Schweyer. 1,801,882; Apr. 21.
Train control, Automatic. H. W. Richards. 1,791,002; Feb. 3.
Train control, Automatic. O. A. Ross. 1,794,549; Mar. 3.
Train control, Automatic. P. J. Simmen. 1,806,830; May 26.
Train control, Automatic. P. J. Simmen. 1,820,713; Aug. 25.
Train control, Automatic. J. E. Stiegelmeyer. 1,789,663; Jan. 20.
Train control, Automatic. T. H. Thomas. 1,824,059; Sept. 22.
Train control device. J. N. Good. 1,805,621; May 19.
Train control equipment, Electric. K. Lüddecke. 1,836,330; Dec. 15.
Train control for gas engine propulsion, Electric. H. H. Cutler. 1,833,017; Nov. 24.
Train control, Method and apparatus for. N. D. Preston. 1,794,543; Mar. 3.
Train control, Run-up. C. Messick. 1,835,171; Dec. 8.
Train control system. T. Bodde. 1,810,551; June 16.
Train control system. T. Bodde. 1,815,942; July 28.
Train-control system. C. S. Bushnell. 1,794,584; Mar. 3.
Train control system. J. S. Holliday. 1,832,460; Nov. 17.
Train-control system. L. L. Jones. 1,790,477; Jan. 27.
Train-control system. W. W. Macfarlane. 1,788,880–1; Jan. 13.
Train control system. H. B. Miller and P. X. Rice. 1,835,716; Dec. 8.
Train control system. P. X. Rice. 1,806,500; May 19.
Train-control system. A. G. Williamson. 1,791,779–80; Feb. 10.
Train control system. A. G. Williamson. 1,828,632; Oct. 20.
Train-control system and apparatus. J. S. Holliday. 1,789,465; Jan. 20.
Train-control system, Automatic. L. E. Dodge and N. D. Preston. 1,794,593; Mar. 3.
Train-control system, Automatic. W. K. Howe. 1,789,274; Jan. 13.
Train control system, Automatic. E. C. Sasnett. 1,817,945; Aug. 11.
Train-control system, Continuous inductive. W. D. Hailes. 1,794,608–9; Mar. 3.
Train control system, Continuous inductive. W. D. Hailes. 1,822,088; Sept. 8.
Train control system, Continuous inductive. W. D. Hailes. 1,824,134; Sept. 22.
Train control system, Continuous inductive. W. D. Hailes. 1,824,749; Sept. 22.
Train-control system, Continuous inductive. W. H. Reichard. 1,794,545–6; Mar. 3.
Train control system for single track railroads. W. H. Reichard. 1,824,171; Sept. 22.
Train-control system, Induction. F. M. Rosenzweig. 1,798,703; Mar. 31.
Train control system, Intermittent inductive. C. S. Bushnell. 1,824,118; Sept. 22.
Train-control system, Intermittent inductive. W. H. Reichard. 1,794,547; Mar. 3.
Train control system, intermittent type with roadside energy, Automatic. A. G. Shaver. 1,812,989; July 7.
Train control system intermittent type with vehicle energy, Automatic. A. G. Shaver. 1,812,990; July 7.
Train-control track element. P. X. Rice. 1,794,548; Mar. 3.
Train-describing system. A. Langdon. 1,794,626; Mar. 3.
Train dispatching system for railroads. F. W. Brixner. 1,824,117; Sept. 22.
Train-dispatching system for railroads. O. H. Dicke. 1,795,084; Mar. 3.
Train dispatching system for railroads. O. H. Dicke. 1,822,083; Sept. 8.
Train-dispatching system for railroads. O. H. Dicke and N. D. Preston. 1,794,591; Mar. 3.
Train dispatching system for railroads. W. D. Hailes. 1,824,135; Sept. 22.
Train-dispatching system for railroads. R. C. Leake. 1,794,628; Mar. 3.
Train-dispatching system for railroads. R. M. Phinney. 1,794,541; Mar. 3.
Train dispatching system for railroads. R. M. Phinney. 1,824,169; Sept. 22.
Train-dispatching system for railroads. W. W. Wenholz. 1,794,563; Mar. 3.
Train-dispatching system for railroads. S. N. Wight. 1,794,565–7; Mar. 3.
Train-dispatching system for railroads. S. N. Wight. 1,794,569; Mar. 3.
Train dispatching system for railroads. S. N. Wight. 1,824,182–3; Sept. 22.
Train indicating apparatus. E. M. Allen. 1,821,602; Sept. 1.
Train indicating apparatus. E. E. Parrill. 1,814,406; July 14.
Train, Motor-car transport. L. A. Becker and J. M. Munson. 1,788,853; Jan. 13.
Train-order deliverer. C. C. Rausch. 1,795,679; Mar. 10.
Train-order deliverer to moving trains, Automatic. A. J. Walters. 1,787,885; Jan. 6.
Train-order hoop, Illuminated. R. B. Culbertson. 1,790,000; Jan. 27.
Train order ring. C. C. Rausch. 1,838,283; Dec. 29.
Train-pipe connecter, Automatic. G. E. Baldwin. 1,797,167; Mar. 17.
Train-pipe connecter, Automatic. J. V. Robinson. 1,797,168–72; Mar. 17.
Train pipe coupling. T. H. Thomas. 1,805,647; May 19.
Train-pipe coupling, Automatic. J. Robinson. 1,800,660; Apr. 14.
Train pipe coupling, Automatic. J. Robinson. 1,808,255; June 2.
Train route indicating apparatus, Railway. H. S. Young. 1,830,820; Nov. 10.
Train signaling apparatus, Electric. L. O. Grondahl and P. N. Bossart. 1,828,039; Oct. 20.
Train-stopping and speed-controlling mechanism. F. C. Williams and G. H. Williams. 1,800,972; Apr. 14.
Train stopping and speed controlling mechanism. F. C. and G. H. Williams. 1,816,628; July 28.
Train trip or switch operating means. T. E. Blackwell and L. T. Smith. 1,802,697; Apr. 28.
Training device for pilots. L. Rougerie. 1,797,794; Mar. 24.
Training device for student aviators and entertainment apparatus, Combination. E. A. Link, jr. 1,825,462; Sept. 29.
Trains, arrangement for lighting. K. Schmidt. 1,815,452; July 21.
Tramway, Aerial. W. L. Newell. 1,801,527; Apr. 21.
Tramway, railway, and like system, Electric. U. Klose, A. Peters, and K. Krüger. 1,817,692; Aug. 4.
Transfer. H. S. Sadtler. 1,797,997; Mar. 24.
Transfer. H. S. Sadtler. 1,832,660; Nov. 17.
Transfer and transfer ink, Dyeing. W. S. Lawrence. 1,827,591; Oct. 13.
Transfer and using the same. W. S. Lawrence. 1,799,754; Apr. 7.
Transfer apparatus. A. M. Algeo, G. R. Haub, and J. W. Ross. 1,827,553; Oct. 13.
Transfer apparatus. T. and D. Stenhouse. 1,808,689; June 2.
Transfer apparatus for strip material. H. H. Talbot. 1,836,690; Dec. 15.
Transfer device. A. L. Bausman. 1,823,483; Sept. 15.
Transfer device. J. W. Carnahan. 1,836,444; Dec. 15.
Transfer device. E. H. Streeter. 1,809,456; June 9.
Transfer device, Heat. D. S. Jacobus. 1,809,240; June 9.
Transfer machine. G. E. Lang and L. V. Casto. 1,807,921; June 2.
Transfer machine, Automatic. W. S. Mayers. 1,811,832; June 23.
Transfer material. S. A. Neidich. 1,800,561; Apr. 14.
Transfer means, Car or table. J. L. Drake. 1,795,846–7; Mar. 10.
Transfer means for belt conveyors. P. J. Birkmeyer, M. V. Creedon, and W. C. Chadbourne. 1,826,379; Oct. 6.
Transfer means for mine cars. E. M. Hawkins. 1,805,910; May 19.
Transfer mechanism. Z. P. Candee. 1,805,976; May 19.
Transfer mechanism. A. F. Dilon. 1,829,129; Oct. 27.
Transfer mechanism for book match machines. L. E. Parker. 1,809,353; June 9.
Transfer mechanism, Imprint. A. Hormel. 1,814,806; July 14.
Transfer mechanism, Material-. B. N. Anderson. 1,792,960; Feb. 17.
Transfer mechanism, Sheet. D. M. Sutherland, jr. 1,801,822; Apr. 21.
Transfer printing machine. I. J. Kohlwey. 1,829,562; Oct. 27.
Transfer sheet carrier. J. S. Fleming. 1,801,494; Apr. 21.
Transfer slip. O. M. Driess. 1,800,136; Apr. 7.
Transfer switch. C. A. Lang and C. B. Gamble. 1,803,623; May 5.
Transfer switch, Centrifugal. H. D. Else. 1,799,975; Apr. 7.
Transfer web. S. A. Neidich. 1,800,560; Apr. 14.
Transferring device. F. C. Biggerts, jr. 1,837,607; Dec. 22.
Transferring device. W. M. Oungst. 1,818,862; Aug. 11.
Transferring mechanism. W. A. Morton and C. A. Nielson. 1,833,951; Dec. 1.
Transformer. R. L. Brown. 1,832,616; Nov. 17.
Transformer. M. L. Eckman. 1,790,906; Feb. 3.
Transformer. R. J. Eiseman. 1,791,719; Feb. 10.
Transformer. F. J. Fischer. 1,790,746; Feb. 3.
Transformer. H. Halperin and K. W. Miller. 1,812,949; July 7.

Transformer. C. W. Kronmiller. 1,839,038; Dec. 29.
Transformer. J. Kubler. 1,813,857; July 7.
Transformer. H. R. Loubet. 1,808,670; June 2.
Transformer. A. Meyerhans. 1,807,854; June 2.
Transformer. W. S. Moody. 1,833,719; Nov. 24.
Transformer. W. A. Mudge and C. G. Bieber. 1,806,408, May 19.
Transformer. A. J. Rohner. 1,835,969; Dec. 8.
Transformer. J. J. Ross. 1,831,886; Nov. 17.
Transformer. O. Schmutz. 1,832,662; Nov. 17.
Transformer. G. A. Thornton and W. Remington. 1,818,589; Aug. 11.
Transformer and system of distribution, Electric. F. W. Gay. 1,815,842; July 21.
Transformer and transformer system. F. E. Field. 1,809,839; June 16.
Transformer apparatus. J. Kubler. 1,801,868; Apr. 21.
Transformer arrangement. A. O. Austin. 1,835,200; Dec. 8.
Transformer arrangement, Multiple. A. O. Austin. 1,835,201; Dec. 8.
Transformer, Balancing. B. M. Jones and J. Hintermann. 1,829,901; Nov. 3.
Transformer bracing structure. A. W. Thompson and W. M. Dann. 1,832,671; Nov. 17.
Transformer coil windings and making the same, Electrostatically shielded. W. J. Leidy. 1,833,221; Nov. 24.
Transformer connection, Series. A. O. Austin. 1,835,199; Dec. 8.
Transformer cooler. D. T. MacLeod. 1,803,505; May 5.
Transformer core laminae, Forming. E. J. Doyle. 1,802,502; Apr. 28.
Transformer cooling system. E. B. Clarke. 1,835,470; Dec. 8.
Transformer, Coupling. J. A. Proctor. 1,807,135; May 26.
Transformer, Electric. J. B. Borgadt. 1,832,835; Nov. 17.
Transformer, Electric. J. Jonas. 1,814,557; July 14.
Transformer, Electric. A. Meyerhans. 1,788,627; Jan. 13.
Transformer, Electric. E. D. T. Norris. 1,838,280; Dec. 29.
Transformer, Electric. R. Schärli. 1,831,142; Nov. 10.
Transformer, Electrical. A. Nyman. 1,796,254; Mar. 10.
Transformer, Electrostatic. J. F. Peters. 1,809,285; June 9.
Transformer for electric arc cutting and welding apparatus. F. C. Owen. 1,836,615; Dec. 15.
Transformer grounding device. A. W. Thompson. 1,832,670; Nov. 17.
Transformer, High frequency. J. H. Pressley. 1,829,058; Oct. 27.
Transformer, High tension. H. B. Smith. 1,802,678, Apr. 28.
Transformer, Instrument. H. E. Harris. 1,830,541; Nov. 3.
Transformer or the like. L. C. Nichols. 1,793,820; Feb 24.
Transformer or the like, High frequency. F. Gerth 1,815,707; July 21.
Transformer, Phase changing. M. Urbanati. 1,815,404; July 21.
Transformer, Piezo electric crystal. A. McL. Nicolson. 1,829,234; Oct. 27.
Transformer protection device. J. Jonas. 1,807,846, June 2.
Transformer, Rotary frequency. P. E. Bunet. 1,806,386; May 19.
Transformer system, Electrical. F. W. Gay. 1,798,874, Mar. 31.
Transformer voltages, Apparatus for regulating. F. J. Fischer. 1,793,074; Feb. 17.
Transformer, Welding. T. M. Hunter. 1,811,886; June 30.
Transformers, Device for determining the condition of. S. Rump. 1,790,024; Jan. 27.
Transformers, Expansion apparatus for. S. H. Graves. 1,794,893; Mar. 3.
Transformers from the circuit without causing disturbance, Arrangement for disconnecting and removing series connected. J. Kübler. 1,815,153; July 21.
Transformers, Insulating high frequency. K. Schmidt. 1,807,176; May 26.
Transformers, Regulating system for. K. Niemann and E. Leuteritz. 1,820,242; Aug. 25.
Transformers, Testing apparatus for measuring. G. Kelnath and O. Sieber. 1,795,607; Mar. 10.
Transit. L. A. Blake. 1,827,135; Oct. 13.
Transit lever. W. and J. R. Brunstetter. 1,817,671; Aug. 4.
Translating apparatus, Electrical. P. H. Dowling. 1,788,152; Jan. 6.
Translating apparatus for printing-telegraph systems, Mechanical. H. Wüsteney. 1,800,973; Apr. 14.
Translating device. R. W. Carlisle and I. S. Pierson. 1,837,755; Dec. 22.
Translating device. R. V. L. Hartley. Re18,274; Dec. 8.
Translating device. J. S. High. 1,794,957; Mar. 3.
Translating device. J. S. High. 1,815,564; July 21.
Translating device. W. H. Hutter. 1,788,579; Jan. 6.
Translating device. A. Joffé. 1,807,292; May 26.
Translating system. B. J. Kroger. 1,801,867; Apr. 21.
Translation system, Electric wave. R. A. Heising. 1,808,894; June 9.
Transmission. G. Abbona. 1,803,744; May 5.
Transmission. O. H. Banker. 1,795,464; Mar. 10.
Transmission. S. J. Boughton. 1,815,034; July 21.
Transmission. R. Chilton. 1,830,349; Nov. 3.
Transmission. T. L. Fawick. 1,792,484; Feb. 17.
Transmission. O. K. Kelley. 1,838,946; Dec. 29.
Transmission. R. Lapsley. 1,830,797; Nov. 10.
Transmission. H. A. Morris. 1,791,141; Feb. 3.
Transmission. F. R. Nelson. 1,838,859; Dec. 29.
Transmission. W. H. Radford. 1,831,194–5; Nov. 10.
Transmission. A. M. Saari. 1,806,505; May 19.
Transmission. L. S. Sheldrick. 1,830,915; Nov. 10.
Transmission. P. L. Tenney. 1,823,432; Sept. 15.
Transmission. E. A. Thompson. 1,826,682; Oct. 6.
Transmission. E. A. Thompson. 1,827,960; Oct. 20.
Transmission. T. F. Thompson. 1,809,647; June 9.
Transmission. C. W. Weiss. 1,822,555; Sept. 8.
Transmission. A. A. Wiedmaier. 1,815,688–9; July 21.
Transmission. A. and M. P. Winther. 1,817,660; Aug. 4.
Transmission, Analyzing system for multiplex facsimile. R. H. Ranger. 1,789,687; Jan. 20.
Transmission, Analyzing system for multiplex facsimile. R. H. Ranger. 1,807,011; May 26.
Transmission and control mechanism for milling machines. F. A. Parsons. 1,791,534; Feb. 10.
Transmission and ignition lock. H. C. Doane. 1,791,807; Feb. 10.
Transmission and ignition lock, Automobile. H. B. Palmer. 1,787,758; Jan. 6.
Transmission and the like, Lubricating motor-vehicle. S. I. Fekete and S. G. Baits. 1,787,428; Jan. 6.
Transmission, Automatic. P. Asmussen. 1,787,466; Jan. 6.
Transmission, Automatic. W. H. Henshaw. 1,799,557; Apr. 7.
Transmission, Automatic. E. Wildhaber. 1,787,768; Jan. 6.
Transmission, Automatic gearless. T. Gensmer. 1,825,789; Oct. 6.
Transmission brake, Safety. H. Morier and H. Comtois. 1,788,317; Jan. 6.
Transmission casing. J. G. Yonkese. 1,794,432; Mar. 3.
Transmission, Change-speed gear. H. L. Hoy. 1,791,502; Feb. 10.
Transmission chock for automobiles. W. G. Miller. 1,819,914; Aug. 18.
Transmission control. B. G. Bjornson. 1,830,218–20; Nov. 3.
Transmission control. R. G. Mathes. 1,829,805–6 Nov. 3.
Transmission control. C. L. McGavern. 1,837,978; Dec. 22.
Transmission control. B. H. Mossinghoff. 1,790,627–8; Jan. 27.
Transmission-control mechanism. C. E. F. Ahlm. 1,787,968; Jan. 6.
Transmission control, Variable-speed-. P. L. Tenney. 1,788,899; Jan. 13.
Transmission delay measuring system. H. Nyquist. 1,829,838; Nov. 3.
Transmission device. W. H. Long. 1,821,102; Sept. 1.
Transmission device. C. W. Weiss. 1,828,825; Oct. 27.
Transmission device, Condensation-fluid-. J. C. Blundon. 1,799,453; Apr. 7.
Transmission device, Electrical. J. D. Hilliard. 1,809,700; June 9.
Transmission, Differential. J. F. Livingood. 1,835,412; Dec. 8.
Transmission, Electrooptical. H. Nyquist. 1,826,812; Oct. 13.
Transmission, Epicyclic. H. A. Knox and B. F. Baker. 1,791,167; Feb. 3.
Transmission, Facsimile. R. H. Ranger. 1,800,472; Apr. 14.
Transmission, Flexible automatic. G. H. Hines. 1,809,412; June 9.
Transmission, Fluid. M. J. Napier. 1,797,439; Mar. 24.
Transmission for automobiles. J. V. Patterson. 1,794,241; Feb. 24.
Transmission for earth boring machines. W. B. Jaspert. 1,801,865; Apr. 21.
Transmission for internal combustion engines, Slide. T. M. Finley. 1,803,795; May 5.
Transmission for locomotives, Reversible. N. I. Dyrenkov. 1,799,220; Apr. 7.
Transmission for tickers, Automatic tape-controlled. E. R. Wheeler. Re18,208; Sept. 22.
Transmission, Four speed. R. Beringer. 1,820,006; Aug. 25.
Transmission, Four speed. R. Beringer. 1,823,421; Sept. 15.
Transmission, Four speed. R. Lapsley. 1,818,262; Aug. 11.
Transmission, Friction. C. Gross. 1,814,381; July 14.
Transmission-gear-shifting assembly. C. L. Johnson. 1,790,667; Feb. 3.
Transmission gearing. H. W. Bullock. 1,820,902; Sept. 1.
Transmission gearing, Power. J. Bethune. 1,803,293–4–5; Apr. 28.
Transmission hoist, Automobile. O. Johnson. 1,805,402; May 12.

Transmission, Hydraulic. P. A. Schreiner. 1,834,653; Dec. 1.
Transmission, Hydraulic. W. T. Tabb. 1,818,825; Aug. 11.
Transmission irreversible in both directions, Rotatable. R. Petit. 1,810,851; June 16.
Transmission levels on telecommunication circuits, Apparatus for measuring. M. Leduc. 1,817,259; Aug. 4.
Transmission lifting device, Automobile. F. R. Beal. 1,806,033; May 19.
Transmission line. H. Nyquist. 1,838,281; Dec. 29.
Transmission line device. G. M. Eaton. 1,813,151; July 7.
Transmission line device. N. A. Wahlberg. 1,802,743; Apr. 28.
Transmission line device. N. A. Wahlberg. 1,806,321; May 19.
Transmission line device. N. A. Wahlberg. 1,809,997; June 16.
Transmission line device. N. A. Wahlberg. 1,836,999; Dec. 15.
Transmission line structure. A. Vaupel. 1,815,600; July 21.
Transmission-line support. A. Weinberger. 1,794,998; Mar. 3.
Transmission lining. W. Nanfeldt. 1,810,723; June 16.
Transmission, Machine-tool. J. B. Armitage. 1,791,747; Feb. 10.
Transmission-measuring apparatus. R. Bown and R. K. Potter. 1,794,393; Mar. 3.
Transmission measuring system. A. B. Clark and F. H. Best. 1,816,958; Aug. 4.
Transmission mechanism. O. H. Banker. 1,795,465; Mar. 10.
Transmission mechanism. W. L. Brookins. 1,824,868; Sept. 29.
Transmission mechanism. L. J. Campbell. 1,800,928; Apr. 14.
Transmission mechanism. J. Carrie and G. E. Howard. 1,817,063; Aug. 4.
Transmission mechanism. J. Casselman. 1,825,852; Oct. 6.
Transmission mechanism. C. A. Cook. 1,794,150; Feb. 24.
Transmission mechanism. A. Galanti. 1,819,677; Aug. 18.
Transmission mechanism. R. E. Haptonstall. 1,813,739; July 7.
Transmission mechanism. A. G. Henricks. 1,827,013; Oct. 13.
Transmission mechanism. G. E. Howard. 1,817,080; Aug. 4.
Transmission mechanism. G. S. Morison. 1,817,159; Aug. 4.
Transmission mechanism. S. E. Morral. 1,820,363; Aug. 25.
Tranmission mechanism. W. H. Singleton. 1,834,259; Dec. 1.
Transmission mechanism. C. B. Spase. 1,790,285; Jan. 27.
Transmission mechanism, Apron disk. F. B. Cockburn. 1,816,960; Aug. 4.
Transmission mechanism for motor vehicles. G. C. Carhart. 1,831,480: Nov. 10.
Transmission mechanism for motor vehicles and the like. J. Farley and J. Maina. 1,799,892; Apr. 7.
Transmission mechanism, Hydraulic. H. E. Walker. 1,789,506; Jan. 20.
Transmission mechanism, Speed changing. E. Gessner. 1,808,539; June 2.
Transmission, Multiple. R. Hoover and R. F. Dirkes. 1,793,319; Feb. 17.
Transmission network. H. W. Bode. 1,828,454; Oct. 20.
Transmission network. B. F. Lewis. 1,837,327; Dec. 22.
Transmission of energy, Directive. R. A. Heising. 1,788,022; Jan. 6.
Transmission of force by liquid pressure. R. T. Knapp. 1,817,315; Aug. 4.
Transmission of intelligence, Apparatus for electrical. S. F. Stein. 1,790,955; Feb. 3.
Transmission of power in oscillating form. G. H. Schlieferstein. 1,797,840; Mar. 24.
Transmission of vibration and noise in machine construction, Preventing. H. A. W. Wood. 1,795,816; Mar. 10.
Transmission, Overgear. R. Beringer. 1,788,367; Jan. 13.
Transmission, Overgear. H. Drew. 1,824,341; Sept. 29.
Transmission, Overgear. C. H. Sterling. 1,803,949; May 5.
Transmission, Overspeed. J. M. Simpson. 1,802,482; Apr. 28.
Transmission, Overspeed. P. L. Tenney and H. E. Fidler. 1,788,898; Jan. 13.
Transmission, Planetary. E. Wildhaber. 1,795,916; Mar. 10.
Transmission regulation. J. C. Gabriel and F. A. Hubbard. 1,808,538; June 2.
Transmission regulation in cable circuits. K. W. Pfleger. 1,835,080; Dec. 8.
Transmission, Semi-automatic. T. F. Thompson. 1,809,608; June 9.
Transmission shaft connection. L. P. A. Rieger. 1,818,932; Aug. 11.
Transmission-shifting mechanism. W. R. Smith. 1,787,766; Jan. 6.
Transmission shifting mechanism. P. L. Tenney. 1,826,407; Oct. 6.
Transmission, Starter. H. R. Davies. 1,795,078; Mar. 3.
Transmission system. S. A. Barone. 1,820,898; Aug. 25.
Transmission system. G. Crisson. 1,815,241; July 21.
Transmission system. O. T. Francis. 1,819,599; Aug. 18.
Transmission system. J. A. Heany. 1,794,613; Mar. 3.
Transmission system. J. L. Hogg. 1,810,015; June 16.
Transmission system. R. C. Mathes. 1,810,025; June 16.
Transmission system. H. Pieper. 1,828,679; Oct. 20.
Transmission system and method, Facsimile. W. M. Brower. 1,834,330; Dec. 1.
Transmission system, Mechanical. H. C. Harrison. 1,788,519; Jan. 13.
Transmission system, Mechanical. H. C. Harrison. 1,818,131; Aug. 11.
Transmission system, Secret. R. H. Ranger. 1,794,389; Mar. 3.
Transmission system, Vibration. H. C. Harrison. 1,788,487; Jan. 13.
Transmission system, Vibration-. H. C. Harrison. 1,792,637; Feb. 17.
Transmission systems, Distortion correction in. T. C. Fry and D. J. Struik. 1,836,844; Dec. 15.
Transmission systems, Distortion correction in. W. P. Mason. 1,836,809–10; Dec. 15.
Transmission, Three speed. T. L. Fawick. 1,830,430; Nov. 3;
Transmission, Variable. C. J. Langley and W. F. O'Gorman. 1,805,523; May 19.
Transmission, Variable-speed. F. W. Armitage and E. G. Archer. 1,791,698; Feb. 10.
Transmission, Variable-speed. H. B. Chalmers. 1,798,722; Mar. 31.
Transmission, Variable-speed. N. I. Dyrenkov. 1,799,219; Apr. 7.
Transmission, Variable speed. R. S. Jacobsen. 1,814,165; July 14.
Transmission, Variable speed. T. A. McIntyre. 1,833,031; Nov. 24.
Transmission, Vehicle. A. B. Gilbert. 1,814,442; July 14.
Transmission volume control. D. Mitchell and H. C. Silent. 1,811,954–5; June 30.
Transmission, Washing machine. H. C. Hirschy. 1,823,271; Sept. 15.
Transmission with automatic efficiency regulation for vehicles, Electric power. O. Zadnick. 1,818,877; Aug. 11.
Transmitter. H. S. Marsh. 1,795,341; Mar. 10.
Transmitter and indicator, Wind intensity and direction. J. S. Jones. 1,827,151; Oct. 13.
Transmitter and receiver, Electromagnetic. A. A. Thomas. 1,793,568; Feb. 24.
Transmitter, Automatic tape. L. L. Young. 1,822,000; Sept. 8.
Transmitter for simplex telegraph circuits, Distributor-. S. W. Rothermel. 1,805,374; May 12.
Transmitter for telephony. H. Küchenmeister. 1,789,104; Jan. 13.
Transmitter for use in automatic telegraphy, Electric. F. G. Creed and R. D. Salmon. 1,800,283; Apr. 14.
Transmitter, High-frequency machine. W. Hahnemann. 1,820,223; Aug. 25.
Transmitter, Impulse. H. W. Goff and O. F. Forsberg. 1,809,841; June 16.
Transmitter mouthpiece for concealed speaker cordless telephones. A. T. Morrison. Des. 85,001; Sept. 1.
Transmitter, Multiplex. W. I. Stunz. 1,812,570; June 30.
Transmitter, Statistical directional. A. N. Goldsmith. 1,821,383; Sept. 1.
Transmitter, Storage. E. E. Kleinschmidt. 1,810,107; June 16.
Transmitter suspension arm. H. H. Ide. 1,806,903; May 26.
Transmitters, Indicator for telephony. H. Muth. 1,802,734; Apr. 28.
Transmitters, Testing instrument for. A. D. Ring. 1,820,833; Aug. 25.
Transmitting device. C. C. Murdick. 1,835,076; Dec. 8.
Transmitting glasses and making the same, Ultraviolet. H. P. Hood. 1,830,904; Nov. 10.
Transmitting power. C. P. Madsen. 1,813,502; July 7.
Transmitting substance, Ultra-violet. H. P. Hood. 1,830,902; Nov. 10.
Transmitting system. A. M. Trogner. 1,823,177; Sept. 15.
Transmitting system. Hydraulic stress. D. Sensaud de Lavaud. 1,819,947; Aug. 18.
Transmitting system, Picture. D. M. Moore. 1,824,731; Sept. 22.
Transmitting system, Radio. R. H. Ranger. 1,802,736; Apr. 28.
Transmitting vision electrically, Device for. F. E. Best. 1,802,803; Apr. 28.
Transom bar. I. A. Baum. 1,837,748; Dec. 22.
Transom controller. C. S. Minneci. 1,793,413; Feb. 17.
Transom or window control means. F. W. Kucklinsky. 1,818,406; Aug. 11.
Transplanter. R. C. England. 1,807,474; May 26.
Transplanter. F. W. Nuerwell. 1,829,107; Oct. 27.
Transplanting implement. P. H. Dohrn. 1,823,789; Sept. 15.
Transportation and accomplishing the same, System of. H. A. Wagner. 1,801,469; Apr. 21.

Transportation system. H. L. Knox. 1,813,625; July 7.
Transporting structure for grain binders. C. Meier. 1,837,056; Dec. 15.
Trap: *See*—

Animal trap.	Liquid trap.
Ant trap.	Minnow trap.
Bait-set trap.	Mole or gopher trap.
Blast trap.	Mouse trap.
Burglar trap.	Musical trap.
Dead-fall trap.	Muskrat trap.
Drain trap.	Rat or mouse trap.
Egg saver trap.	Rat trap.
Fish trap.	Return trap.
Fly trap.	Shower bath trap.
Game trap.	Sink catch trap.
Gas trap.	Steam trap.
Gopher trap.	Target trap.
Grease trap.	Vapor trap.
Insect trap.	Waste trap.
Heat trap.	

Trap. W. Anderson. 1,807,463; May 26.
Trap. C. E. Armstrong. 1,790,740; Feb. 3.
Trap. J. Brunner. 1,788,047; Jan. 6.
Trap. R. C. Burnley. 1,799,149; Apr. 7.
Trap. F. W. French. 1,818,315; Aug. 11.
Trap. W. C. Glover. 1,793,080; Feb. 17.
Trap. A. F. Hahus. 1,794,228; Feb. 24.
Trap. J. Kleffman. 1,798,541; Mar. 31.
Trap. W. J. Luff. 1,790,587; Jan. 27.
Trap. W. J. Luff. 1,819,253; Aug. 18.
Trap. J. W. Maddox. 1,825,193; Sept. 29.
Trap. C. D. Pappas. 1,798,382; Mar. 31.
Trap. M. J. Petersen. 1,826,569; Oct. 6.
Trap. L. C. Schneider. 1,808,907; June 9.
Trap. W. I. Simmons. 1,817,589; Aug. 4.
Trap. B. E. Snider. 1,831,688; Nov. 10.
Trap construction, Exhaust. A. J. Culp. 1,807,512; May 26.
Trapdoor and step control mechanism for passenger cars. A. F. Paul. 1,802,926; Apr. 28.
Trapdoor and step for cars, Remotely-controlled. A. F. Paul. 1,797,695; Mar. 24.
Trap for beasts of prey. J. Schober. 1,805,317; May 12.
Trap for burglar alarms, Floor. H. Loeding. 1,814,255; July 14.
Trap for cooking vessels, Overflow. E. F. Rodler. 1,798,758; Mar. 31.
Trap for drainage systems, Antisiphon. H. Edelman. 1,796,685; Mar. 17.
Trap for refrigerating apparatus. E. Gruber. 1,788,948; Jan. 13.
Trapping and electrocuting apparatus, Combined. L. Lagarde. 1,805,407; May 12.
Traps, Striker lifting means for. C. E. Bunker. 1,830,261; Nov. 3.
Trasher, Multiple. D. H. Gilson. 1,811,232; June 23.
Travel guide, Automatic. N. C. Lund. 1,818,228; Aug. 11.
Traveler, Self-lubricating. G. H. Gilligan. 1,788,051–2; Jan. 6.
Traveling apparatus for rinsing and drying rugs. A. J. Pehl. 1,833,259; Nov. 24.
Traveling bag. W. Krueger. 1,823,403; Sept. 15.
Traveling bag. O. I. Singer. 1,804,122; May 5.
Traveling bag. D. E. Wright. 1,826,976; Oct. 13.
Traveling block. E. E. Greve. 1,796,250–51; Mar. 10.
Traveling carrier, Overhead. E. T. Bennington. 1,799,209; Apr. 7.
Traveling case. O. J. Walinsky. 1,811,035; June 23.
Traveling turntable. G. Lowenstein. 1,816,685; July 28.
Traveling webs, Method and apparatus for regulating. L. P. Schweitzer. 1,791,288; Feb. 3.
Travertine or the like, Manufacturing artificial. J. A. Rice. 1,788,592; Jan. 13.
Tray. W. W. Hartman. 1,819,894; Aug. 18.
Tray. L. P. Krey. 1,836,031; Dec. 15.
Tray. R. W. Severns. 1,836,511; Dec. 15.
Tray. J. W. Strickland. 1,820,635; Aug. 25.
Tray, Advertising change. E. Brunhoff. 1,793,050; Feb. 17.
Tray and egg-tilting mechanism, Egg. G. T. Markey. 1,796,872; Mar. 17.
Tray and holder. F. Buesser. 1,837,200; Dec. 22.
Tray and lamp base or article of analogous nature, Combined ash. M. Kiwad. Des. 83,979; Apr. 21.
Tray and like conveyer. J. P. Bunce. 1,801,034; Apr. 14.
Tray and table, Combination. L. H. Burlin. Des. 84,227; May 26.
Tray and washboard, Combination laundry. M. W. Huber. 1,814,578; July 14.
Tray, Ash. E. T. Bahner. Des. 85,147–9; Sept. 22.
Tray, Ash. E. H. Barbè. Des. 85,315–16; Oct. 13.
Tray, Ash. O. E. Brown. Des. 83,495; Mar. 3.
Tray, Ash. W. De F. Smith. 1,813,467; July 7.
Tray, Ash. T. S. Fowler. Des. 85,039; Sept. 8.
Tray, Ash. D. Gottlieb. Des. 85,093; Sept. 15.
Tray, Ash. C. E. A. Gronbech. 1,799,897; Apr. 7.
Tray, Ash. A. Heise. 1,830,543; Nov. 3.
Tray, Ash. J. E. Holt. 1,829,861; Nov. 3.
Tray, Ash. S. J. Hudson and L. M. Gilley. Des. 84,416; June 16.
Tray, Ash. F. R. Ingle. 1,838,485; Dec. 29.
Tray, Ash. E. H. Lewis. 1,812,158; June 30.
Tray, Ash. J. J. Rowbottom. Des. 84,054; Apr. 28.
Tray, Ash. M. Schwartz. 1,805,016; May 12.
Tray, Ash. G. T. Seidle. Des. 83,926; Apr. 14.
Tray, Bed. G. F. Scriven and L. H. Lippert. 1,823,214; Sept. 15.
Tray binder. R. R. Webb. 1,831,938; Nov. 17.
Tray, Bubble. A. J. Smith. 1,811,247; June 23.
Tray, Car service. C. E. Doolin. 1,833,829; Nov. 24.
Tray, Card-table. W. Hanley. 1,789,815; Jan. 20.
Tray compartment for refrigerating cabinets. T. C. Whitehead. 1,812,070; June 30.
Tray, Deal. C. L. Wolfe and J. A. Faurot. 1,801,708; Apr. 21.
Tray, Developing. G. C. Beidler. 1,819,536; Aug. 18.
Tray, Display. J. L. Fildstein. 1,815,651; July 21.
Tray elevator. S. Olson. 1,796,119; Mar. 10.
Tray, Flower. B. F. Blake. 1,826,500; Oct. 6.
Tray for bubble towers. W. A. Stover and W. G. Palmer. 1,822,323; Sept. 8.
Tray for electric refrigerators, Ice. H. Mock. 1,825,916; Oct. 6.
Tray for nursery chairs. H. E. McCandless. 1,804,057; May 5.
Tray for rotary duplicators, Collecting. E. B. Hartmann. 1,823,042; Sept. 15.
Tray, Freezing. H. D. Geyer and F. W. Sampson. 1,820,221; Aug. 25.
Tray front. R. S. Taylor. 1,816,622; July 28.
Tray, Ice-cube. J. M. Chmelar. 1,800,133; Apr. 7.
Tray, Incubator egg. W. F. Hillpot. 1,808,553; June 2.
Tray, Instrument. R. H. Hill. 1,822,487; Sept. 8.
Tray-like support. E. A. Leary. 1,814,252; July 14.
Tray-menu holder, Ash. T. Mungen. 1,829,755; Nov. 3.
Tray-operating mechanism for compartments. O. M. Otte. 1,793,128; Feb. 17.
Tray-operating mechanism for compartments. O. M. Otte. 1,793,955; Feb. 24.
Tray or article of analogous nature, Ash. R. R. Hutcheson. Des. 85,476; Nov. 3.
Tray, or article of similar nature, Ash. S. D. Baker. Des. 85,274; Oct. 6.
Tray or article of similar nature, Combined lamp and manicure supply. P. J. Manfredi. Des. 83,409; Feb. 17.
Tray or similar article, Ash. M. Abel. Des. 85,411; Oct. 27.
Tray or similar article, Ash. L. Cross. Des. 85,166; Sept. 22.
Tray or similar article, Ash. A. von Frankenberg. Des. 83,080; Jan. 13.
Tray or similar article, Ash. A. von Frankenberg. Des. 83,182; Jan. 27.
Tray or similar article, Ash. A. von Frankenberg. Des. 83,224–7; Feb. 3.
Tray or similar article, Ash. A. von Frankenberg. Des. 83,480; Feb. 24.
Tray or similar article, Ash. A. von Frankenberg. Des. 83,772–9; Mar. 24.
Tray or similar article, Ash. A. von Frankenberg. Des. 83,781; Mar. 24.
Tray or similar article, Ash. A. von Frankenberg. Des. 84,449; June 16.
Tray or similar article, Ash. H. Underberg. Des. 85,138; Sept. 15.
Tray or similar article, Celery. J. C. Kelly. Des. 85,878; Dec. 29.
Tray or similar article, Handled. J. M. Du Bois. Des. 84,405; June 16.
Tray or the like, Ash. A. Klein. Des. 84,584; July 7.
Trays or the like to a supporting structure, Attachment for fastening. J. M. Nichols. 1,801,637; Apr. 21.
Tray, Pin and clip. M. S. Lower. 1,805,045; May 12.
Tray, Porcelain-enamel ware-fusing. A. Bien. 1,800,048; Apr. 7.
Tray, Posting. P. Bergmann. 1,815,826; July 21.
Tray, Posting. G. R. Schroeder. 1,810,793; June 16.
Tray rack. R. C. Burnley. 1,820,433; Aug. 25.
Tray, Record. E. W. Davis. 1,817,073; Aug. 4.
Tray, Refrigerating. M. K. Buchanan and A. G. Horton. 1,823,187; Sept. 15.
Tray, Service. T. J. Wells. Des. 85,899; Dec. 29.
Tray, Serving. A. A. Angelus. Des. 84,560; July 7.
Trays, Sheet-holding attachment for card-index. W. Heisinger. 1,799,367; Apr. 7.
Tread. D. Roe. 1,806,084; May 19.
Tread for shoe heels. G. L. Bennett. 1,815,091; July 21.
Tread link. A. P. Armington. 1,808,445; June 2.
Tread member, Detachable. B. Rubin. Re18,054; Apr. 21.
Tread member for tire chains. E. Ghia. 1,807,522; May 26.
Tread shrinking machine. H. V. Lough. 1,806,811; May 26.
Treadle control for vehicle doors, Engineless. H. Rowntree. 1,788,409; Jan. 13.
Treads, Shoe for tractor. G. T. Ronk. 1,795,618; Mar. 10.
Treads to steel subtreads, Securing. L. Del Turco. 1,812,504; June 30.
Treater, Combination concentrated field circulating. J. T. Worthington. 1,838,978; Dec. 29.
Treater, Elongated high velocity type. H. F. Fisher. 1,838,929; Dec. 29.
Treater for intermittently treating fluids. H. C. Eddy. 1,838,375; Dec. 29.
Treater having centrifugal dry oil circulation. H. C. Eddy. 1,838,376; Dec. 29.

Treater having combined electric field and washer. J. T. Worthington. 1,838,977; Dec. 29.
Treater having revolving electrode with wave shaped arms. J. L. Worthington. 1,838,976; Dec. 29.
Treater having rotatable live and grounded electrodes. L. Lawrason. 1,838,849; Dec. 29.
Treater having variable rate of flow with constant conditions in working field, Electric. H. F. Fisher, S. G. Gassaway, and W. F. van Loenen. 1,838,930; Dec. 29.
Treater, Intermittent. H. C. Eddy. 1,838,914. Dec. 29.
Treater, Stepped cone-type. H. F. Fisher. 1,838,927; Dec. 29.
Treating agents, Revivifying. R. K. Stratford, and G. McIntyre. 1,801,942; Apr. 21.
Treating gas, Apparatus for. K. M. Urquhart. 1,808,087; June 2.
Treating materials, Protectively. A. Arent. 1,792,457; Feb. 10.
Treating objects. A. H. Adams. 1,796,819; Mar. 17.
Treating objects, Apparatus for. A. H. Adams. 1,796,820; Mar. 17.
Tree and treeing machine or appliance for boots and shoes. I. L. Read and F. C. Choice. 1,797,020; Mar. 17.
Tree, Artificial. R. Vydra. 1,798,991; Mar. 31.
Tree band. E. H. Siegler. 1,814,414; July 14.
Tree carrier. A. M. Douglas. 1,837,026; Dec. 15.
Tree cavities, Closure of. E. Peets. 1,799,700; Apr. 7.
Tree extractor. E. Geiger. 1,799,967; Apr. 7.
Tree lighting set and display receptacle therefor or the like article, Combined Christmas. A. L. Buschman. Des. 84,806–7; Aug. 11.
Tree mover. G. Becker. 1,837,942; Dec. 22.
Tree-moving machine. H. C. Lewis. 1,795,174; Mar. 3.
Tree, Ornamental. H. W. Menard. Des. 85,590; Nov. 17.
Tree, Stocking. O. J. Howe. 1,817,411; Aug. 4.
Tree surgery. E. Peets. 1,799,699; Apr. 7.
Treeing jack. J. D. Krive. 1,836,717; Dec. 15.
Treeing machine. M. J. Bosek and W. F. Pendill. 1,832,925; Nov. 24.
Trellis. L. A. Furlong. Des. 83,796; Mar. 31.
Trellis. W. Green. Des. 83,802; Mar. 31.
Trellis. A. V. Rowe. 1,835,092; Dec. 8.
Trestle. C. J. Sample. 1,816,198; July 28.
Trestle or saw horse. J. Kraut. 1,819,780; Aug. 18.
Trial frame. W. J. Wrighton and E. D. Tillyer. 1,794,571; Mar. 3.
Tri-ammonium phosphate, Producing. R. Suchy and R. Schulze. 1,835,441; Dec. 8.
Tribromoalcohols and preparing the same. J. Callser. 1,822,008; Sept. 8.
Tricalcium phosphate, Treating. H. E. White. 1,823,015; Sept. 15.
Trichloroethylene, Stabilization of. C. Dangelmajer. 1,816,895; Aug. 4.
Trichloromethyl - ethoxy - hydroxy - phenol - carbinol. O. Spengler and H. Pfannenstiel. 1,819,132; Aug. 18.
Trickle-charge system. E. W. Breisch. 1,787,813; Jan. 6.
Tricycle or the like. R. T. Cottam. Des. 83,033; Jan. 13.
Trigger mechanism for double barreled guns, Single. H. E. Howland. 1,818,852; Aug. 11.
Trigger mechanism for firearms. L. Stiennon. 1,830,212; Nov. 3.
Trigger mechanism for firearms mounted on a carriage and having a pointing handle. F. Herlach. 1,810,243; June 16.
Trigger mechanism for firearms, Selective. L. Stiennon. 1,830,213; Nov. 3.
Trigger mechanism, Single. J. Kautzky, sr. 1,829,958; Nov. 3.
Trim and upholstery, Securing and retaining. M. W. Moesta. 1,789,015; Jan. 13.
Trim clamp. H. J. L. Frank. 1,797,765; Mar. 24.
Trim for handbags or similar articles, Ornamental. D. Karron. 1,829,145; Oct. 27.
Trim stud, Floating. J. H. Goss. 1,811,788; June 23.
Trimethylamineglycol monoborate, Production of. K. Lüdecke. 1,788,680; Jan. 13.
Trimmer: *See*—
Ditch trimmer.
Grass trimmer.
Hedge trimmer.
Heel-tip trimmer.
Lawn and hedge trimmer.
Lawn edge trimmer.
Lawn trimmer.
Nail trimmer.
Paper trimmer.
Shade trimmer.
Trimmer. R. L. Wilcox. 1,832,164; Nov. 17.
Trimmer and dresser, Hair. J. Keenan. 1,789,234; Jan. 13.
Trimmer for brush bristles. R. W. McLean. 1,808,312; June 2.
Trimmer for lawns, Edge. J. E. Erickson. 1,798,320; Mar. 31.
Trimmer for lawns, Edge. I. W. Haley. 1,790,417; Jan. 27.
Trimmer mechanism. B. H. Slocum, J. A. Bouslough, and L. F. Burnham. 1,795,901; Mar. 10.
Trimming apparatus. H. C. Hudson. 1,793,549; Feb. 24.
Trimming attachment for looping machines. S. T. Arnold. 1,802,901; Apr. 28.
Trimming device, Ear. E. W. Morter. 1,815,984; July 28.
Trimming machine. J. H. Brown. 1,828,829; Oct. 27.
Trimming machine. S. J. Finn. 1,807,835; June 2.
Trimming machine. J. B. Hadaway. 1,793,481; Feb. 24.
Trimming machine. P. R. Hoopes. 1,799,749; Apr. 7.
Trimming machine. N. W. Mathey. 1,807,996; June 2.
Trimming machine, Asparagus. T. Gill. 1,804,028; May 12.
Trimming machine, Gaiter-. S. J. Finn. 1,795,485; Mar. 10.
Trimming machine, Hedge-. C. Herman and E. H. Bridenbaugh. 1,788,237; Jan. 6.
Trimming machine, Heel seat. A. C. Rogge and H. Gordon. 1,811,188; June 23.
Trimming machine, Stereotype plate. H. A. W. Wood. 1,814,578; July 14.
Trimming machines, Attachment for rubber goods-. H. B. Norcross. 1,799,386; Apr. 7.
Trimming, molded. H. W. Buhler. 1,820,934–5; Sept. 1.
Tri-naphthylamine. A. M. Clifford. 1,797,196; Mar. 17.
Trinitrotoluene, Production of. F. Thomas. 1,814,980; July 14.
Trip device. B. C. Riblet. 1,799,534; Apr. 7.
Trip, Power dipper. A. E. Holcomb. 1,822,403; Sept. 8.
Trip spear, Rotary. O. D. Nutter. 1,794,864; Mar. 3.
Tripod. J. E. Haynes. 1,808,848; June 9.
Tripod. A. J. Viken. 1,795,747; Mar. 10.
Tripod. O. U. Zerk. 1,797,893; Mar. 24.
Tripod and like stands, Collapsible. A. W. L., A. J., and C. Schermuly. 1,792,399; Feb. 10.
Tripod clamp. G. A. Mitchell. 1,830,370; Nov. 3.
Tripod, Collapsible. G. Miller. 1,824,165; Sept. 22.
Tripod foot. A. Potigian. 1,814,334; July 14.
Tripod for cameras. V. Leevo. 1,803,534; May 5.
Tripod for supporting coal chutes and the like. F. C. Johnson. 1,801,087; Apr. 14.
Tripod head particularly adapted for use in connection with a portrait camera. A. J. Viken. 1,812,614; June 30.
Tripod or the like. J. G. McLeish. 1,789,317; Jan. 20.
Tripod, Universal panoramic. O. U. Zerk. 1,798,446; Mar. 31.
Tripod, Universal panoramic. O. U. Zerk. 1,831,086; Nov. 10.
Tripping mechanism for hoisting buckets. F. Schmitt. 1,833,915; Dec. 1.
Trocar, Heart. E. B. Donovan. 1,835,287; Dec. 8.
Trolley. E. Körner. 1,822,300; Sept. 8.
Trolley. M. Willis. 1,816,031; July 28.
Trolley. C. L. Wilmot. 1,826,854; Oct. 13.
Trolley bucket installation. H. E. Hallenbeck. 1,809,515; June 9.
Trolley, contactor. S. S. Stolp. 1,824,844; Sept. 29.
Trolley conveyer. W. E. Bennett and L. J. Bishop. 1,826,412; Oct. 6.
Trolley conveyer. E. V. Francis. 1,809,748; June 9.
Trolley device. F. F. Waechter. 1,813,898; July 7.
Trolley ear. R. R. Holden. 1,791,089; Feb. 3.
Trolley ear. R. R. Holden. 1,801,083; Apr. 14.
Trolley ear. G. F. Wennagel. 1,828,008; Oct. 20.
Trolley, Flexible. J. E. Morgan. 1,817,093; Aug. 4.
Trolley for bucket conveyers. H. C. Sheldon. 1,791,844; Feb. 10.
Trolley for current distributing systems. H. J. L. Frank and W. A. Harper. 1,819,886; Aug. 18.
Trolley for electric cars. H. E. Butts. 1,820,180; Aug. 25.
Trolley for hoists. C. E. Schirmer. 1,810,578; June 16.
Trolley frog. S. A. George. 1,803,061; Apr. 28.
Trolley frog. R. H. McCafferty. 1,814,004; July 14.
Trolley frog and line section switch, Combined. K. Davis. 1,806,842; May 26.
Trolley guide. R. R. Holden. 1,806,164; May 19.
Trolley harp and wheel structure. S. Maggio. 1,811,362; June 23.
Trolley head for electric traction. C. C. G. Taylor. 1,814,349; July 14.
Trolley, Monorail. G. C. Henderson. 1,801,001; Apr. 14.
Trolley plane. F. H. Mansfeld. 1,813,245; July 7.
Trolley pole head structure. A. L. Sommers and T. B. Russell. 1,804,067; May 5.
Trolley shoe. W. F. Graham. 1,811,388; June 23.
Trolley shoe. A. L. Henry. 1,822,620–1; Sept. 8.
Trolley, Sliding. G. S. Moore. 1,789,250; Jan. 13.
Trolley switch. J. F. Woolley, jr., and L. J. Long. 1,810,548; June 16.
Trolley system. L. W. Birch. 1,810,515; June 16.
Trolley system, Catenary. G. W. Bower. 1,802,046; Apr. 21.
Trolley system for electric railways. A. M. Rossman. 1,828,945; Oct. 27.
Trolley track and hanger, Combined. P. L. Hoffman. 1,825,315; Sept. 29.
Trolley wheel. A. Vigne. 1,793,294; Feb. 17.
Trolleys, Automatic retriever for. G. S. and O. Moore. 1,796,211; Mar. 10.
Trolling fin. F. E. Fenderson. 1,795,205; Mar. 3.
Trombone. A. J. Johnson. 1,789,589; Jan. 20.
Trophy, Athletic. A. J. Flauder. Des. 84,634; July 14.
Trophy, Athletic. A. J. Flauder. Des. 84,735; July 28.
Trophy, Price. F. Haegermann. 1,816,114; July 28.
Trolleys, Grounding device for trackless. R. D. Parsons. 1,835,895; Dec. 8.
Trouble indicator, Automobile. B. B. Flicker. 1,795,114; Mar. 3.
Trough. G. W. Ericson. 1,826,277; Oct. 6.
Trough, Chick feed. W. H. Collins. 1,794,589; Mar. 3.
Trough, Eaves. C. L. Weyand. 1,793,982; Feb. 24.

Trough flange, Wiring. H. J. L. Frank. 1,815,840; July 21.
Trough, Hog. H. F. Mahlstedt. 1,796,297; Mar. 17.
Trough, Poultry. H. Kratzer. 1,798,208; Mar. 31.
Trough, Poultry feed. R. C. Wiseman. 1,811,413; June 23.
Trough, Poultry feeding or watering. E. E. Behler, 1,799,946; Apr. 7.
Trough, Power-table. G. M. Eames and I. F. Webb. 1,797,908; Mar. 24.
Trough, Single hog-feeding. L. T. Petersen. 1,798,984; Mar. 31.
Trough, Stock watering. S. G. Ellis. 1,814,674; July 14.
Trough, Stock watering. C. Kraayenbrink. 1,802,432; Apr. 28.
Trough, Tire. A. E. Clark. 1,835,693; Dec. 8.
Trough, Twin hog. L. T. Petersen. 1,829,108; Oct. 27.
Trough, Water. K. M. Ouse. 1,797,996; Mar. 24.
Trouser. S. T. Anderson. 1,829,917; Nov. 3.
Trouser hanger. C. Brun. 1,804,314; May 5.
Trouser skirt, Combination. M. C. Bohr. 1,810,237; June 16.
Trousers. S. Boshnack. 1,832,687; Nov. 17.
Trousers, Apparatus for stretching. M. Friedberg. 1,793,219; Feb. 17.
Trousers, Athletic. F. W. Glahe. 1,835,295; Dec. 8.
Trousers, knickerbockers, and such like. E. A. Jackson. 1,831,451; Nov. 10.
Trousers press. R. H. F. Finlay. 1,816,724; July 28.
Trousers press. O. Wanden and L. D. Walker. 1,821,597; Sept. 1.
Trousers presser. A. M. Burton. 1,808,523; June 2.
Trousers, Supporting. C. S. Mackenzie. 1,793,109; Feb. 17.
Trousers, Supporting. C. S. Mackenzie. 1,820,918; Sept. 1.
Troweling machine. T. Palatini. 1,828,576; Oct. 20.
Troweling machine for paving. T. Thorson. 1,832,951; Nov. 24.
Truck. H. W. Alden. 1,799,943; Apr. 7.
Truck. R. H. Bowen. 1,829,724; Nov. 3.
Truck. J. G. Calis. 1,820,728; Aug. 25.
Truck. C. H. Dodge. 1,815,244; July 21.
Truck. R. A. Fontaine. 1,803,058; Apr. 28.
Truck. J. S. Gullborg. 1,814,309; July 14.
Truck. W. C. Hedgcock. 1,821,548; Sept. 1.
Truck. T. C. Hollnagel. 1,790,377; Jan. 27.
Truck. O. H. Hullings. 1,827,847; Oct. 20.
Truck. L. E. Hurst. 1,832,932; Nov. 24.
Truck. B. W. Kadel. 1,788,874; Jan. 13.
Truck. B. C. Rhodes and C. W. Conroe. 1,824,234; Sept. 22.
Truck. C. A. Rogers. 1,789,343; Jan. 20.
Truck. C. S. Schroeder. 1,823,380; Sept. 15.
Truck, W. G. Silvus. 1,838,288; Dec. 29.
Truck and caster therefor. H. T. Hallowell. 1,832,770; Nov. 17.
Truck and hoist, Generator. F. B. Wing. 1,801,707; Apr. 21.
Truck and support, Outboard-motor. H. Johnston. 1,790,711; Feb. 3.
Truck and trailer. F. J. Stockburger. 1,812,995; July 7.
Truck, Attachment for. A. A. Hill. 1,829,652; Oct. 27.
Truck, Automobile. E. C. Dalrymple. 1,801,726; Apr. 21.
Truck, Automobile transporting. L. J. Lishon. 1,809,557; June 9.
Truck, Barrow. E. R. Hiatt. 1,819,601; Aug. 18.
Truck bodies, Tail gate for. J. P. Bayles. 1,836,522; Dec. 15.
Truck body. A. C. Hollis. 1,834,243; Dec. 1.
Truck body. N. Milner. 1,809,348; June 9.
Truck body. A. G. Schlicher. 1,795,897; Mar. 10.
Truck body. S. E. Travis, jr. 1,828,629; Oct. 20.
Truck body construction. E. R. Maurer and D. M. Ferguson. 1,831,360; Nov. 10.
Truck body, Load equalizing. C. G. Eisenberg, jr. 1,816,042; July 28.
Truck body, Metallic. S. E. Travis, jr. 1,806,428; May 19.
Truck body, Metallic. S. E. Travis, jr. 1,815,813; July 21.
Truck body ventilator. W. G. Mayer. 1,818,415; Aug. 11.
Truck bolster with spring supported side bearings. P. R. Drenning. 1,821,296; Sept. 1.
Truck, Car. H. W. Alden and N. R. Brownyer. 1,803,584; May 5.
Truck, car. F. L. Barber and E. W. Webb. 1,800,427; Apr. 14.
Truck, Car. D. S. Barrow. 1,807,683; June 2.
Truck, Car. D. S. Barrows. 1,829,578; Oct. 27.
Truck, Car. N. R. Brownyer. 1,803,594; May 5.
Truck, Car. A. H. Filander and G. T. Johnson. 1,789,382; Jan. 20.
Truck, Car. K. M. Hamilton. 1,794,173; Feb. 24.
Truck, Car. K. M. Hamilton. 1,825,396; Sept. 29.
Truck, Car. K. M. Hamilton. 1,825,451; Sept. 29.
Truck, Car. K. M. Hamilton. 1,825,630; Sept. 29.
Truck, Car. K. M. Hamilton. 1,830,512; Nov. 3.
Truck, Car. E. Latshaw. 1,831,714; Nov. 10.
Truck, Car. L. Tartaglia. 1,817,719; Aug. 4.
Truck, Car. J. C. Whitridge and H. H. Wolfe. 1,793,574; Feb. 24.
Truck, Carboy. B. A. Berger. 1,832,523; Nov. 17.
Truck centering device, Railway. J. C. Travilla, jr. 1,828,002; Oct. 20.
Truck, Clamp. O. Norling. 1,801,971; Apr. 21.
Truck, Coal. H. W. Hopkins. 1,823,941; Sept. 22.
Truck, Collapsible. G. B. Scarlett. 1,828,684; Oct. 20.
Truck, Concrete transporting. P. A. Koehring. 1,809,629; June 9.
Truck construction. H. C. Dreibuss and G. S. Chiles. 1,810,949; June 23.
Truck construction, Car. S. P. Bush. 1,803,791; May 5.
Truck construction, Equalizing. M. G. Hilpert. 1,811,931; June 30.
Truck, Dump. R. E. Smith. 1,793,756; Feb. 24.
Truck, Dump. J. A. Wright. 1,812,915; July 7.
Truck, Dumping. E. P. Bordeaux. 1,811,382; June 23.
Truck, Dumping. A. S. Hughes and H. F. Gorsuch. 1,790,380; Jan. 27.
Truck, Dumping. A. S. Hughes and H. F. Gorsuch. 1,797,343–4; Mar. 24.
Truck, Dumping. E. N. Jones. 1,815,653; July 21.
Truck, Electric car. N. R. Brownyer. 1,805,438; May 12.
Truck, Electric motor. G. F. Driemeyer. 1,827,975; Oct. 20.
Truck, Elevating. H. S. Germond. 1,809,551; June 9.
Truck, Elevating. N. Warshaw. 1,837,600; Dec. 22.
Truck, Engine. E. M. Shannon. 1,789,199; Jan. 13.
Truck, Engine. E. M. Shannon. 1,793,338; Feb. 17.
Truck, Engine. E. M. Shannon. 1,831,722; Nov. 10.
Truck, Expressman's. T. B. Nakkerud. 1,824,786; Sept. 29.
Truck, Fire. A. H. Blanchard. 1,828,169; Oct. 20.
Truck, Flag. E. Lange. 1,825,076; Sept. 29.
Truck for amusement cars. J. Kahl. 1,838,227; Dec. 29.
Truck for cranes and the like and constructing same, Fabricated. M. G. Hilpert. 1,831,112; Nov. 10.
Truck for handling paper rolls and other articles. C. E. Cochran. Re18,042; Apr. 14.
Truck for high speed interurban cars. J. H. Elliott and R. A. Norbom. 1,828,133; Oct. 20.
Truck for lifting and tilting articles. T. S. Trullinger. 1,798,565; Mar. 31.
Truck for railway rolling stock. B. W. Kadel and D. S. Barrows. Re18,266; Nov. 24.
Truck for railroad vehicles. R. W. Clifford. 1,796,561; Mar. 17.
Truck for railway cars. J. J. McBride. 1,821,104; Sept. 1.
Truck for rolling stock. W. F. Kiesel, jr. 1,822,895; Sept. 15.
Truck for rotatably mounted structures. E. V. Cullen and A. G. A. Schmidt. 1,824,196; Sept. 22.
Truck for transporting annular objects. S. F. Williams. 1,820,263; Aug. 25.
Truck, Four wheel radial. M. Rivkin. 1,816,746; July 28.
Truck, Freight. O. Funk. 1,802,809; Apr. 28.
Truck, Freight-handling. W. P. Kellett. 1,793,806; Feb. 24.
Truck, Freight handling. W. P. Kellett. 1,838,842; Dec. 29.
Truck, Hand. C. Anderson. 1,820,765; Aug. 25.
Truck, Hand. C. H. Day. 1,800,679; Apr. 14.
Truck, Hand. H. B. Giacomini. 1,787,742; Jan. 6.
Truck, Hand. E. Gravatt. 1,795,856; Mar. 10.
Truck, Hand. M. J. Hollowood. 1,807,913; June 2.
Truck, Hand. A. S. McDaniel. 1,825,196; Sept. 29.
Truck, Hand. D. Roe. 1,821,276; Sept. 1.
Truck, Hand. D. M. Watson and G. C. Munoz. 1,799,659; Apr. 7.
Truck having an open end, Elevating. D. E. Hennessy. 1,795,026; Mar. 3.
Truck, Hoisting. R. S. Hartman. 1,793,851; Feb. 24.
Truck, Hoisting. H. T. Winner. 1,826,973; Oct. 13.
Truck, Industrial. E. J. Abbe. 1,804,046–7; May 5.
Truck, Industrial. E. J. Abbe. 1,807,269; May 26.
Truck, Industrial. E. J. Abbe. 1,813,595–6; July 7.
Truck, Industrial. E. J. Abbe. 1,826,489–90; Oct. 6.
Truck, Industrial. C. E. Cochran. Re18,041; Apr. 14.
Truck, Industrial. G. B. Pitts. 1,835,808; Dec. 8.
Truck, Industrial. E. H. Remde. 1,789,023; Jan. 13.
Truck, Industrial. E. H. Remde. 1,806,881; May 26.
Truck, Industrial. E. H. Remde. 1,827,878; Oct. 20.
Truck, Industrial. E. H. Remde. 1,837,486; Dec. 22.
Truck, Industrial. C. W. Robbins. 1,827,209; Oct. 13.
Truck, Industrial. R. T. Romine. 1,825,923; Oct. 6.
Truck, Industrial. R. T. Romine, J. F. Warren, and E. W. Systrom. 1,831,140; Nov. 10.
Truck, Industrial. W. Schroeder. 1,819,625; Aug. 18.
Truck, Industrial. F. Stoner. 1,834,985; Dec. 8.
Truck, Industrial. S. K. Towson. 1,823,516; Sept. 15.
Truck, Kiln. H. M. Robertson. 1,832,818; Nov. 17.
Truck, Lift. A. M. Barrett. 1,803,688; May 5.
Truck, Lift. I. Eisenberg. 1,824,201; Sept. 22.
Truck, Lift platform. D. S. Andrews. 1,826,116; Oct. 6.
Truck, Lifting. A. M. Barrett. 1,829,726; Nov. 3.
Truck, Lifting. W. Stuebing, jr. 1,803,079; Apr. 28.
Truck, Lifting. W. Stuebing, jr. 1,814,977; July 14.
Truck, Lifting. W. Stuebing, jr. 1,832,917; Nov. 24.
Truck, Lifting. O. Vik. 1,827,692; Oct. 13.
Truck, Linoleum. D. Roe. 1,789,391; Jan. 20.
Truck loading mechanism. F. W. Caldwell. 1,820,526; Aug. 25.
Truck loading structure, Revolving. R. R. Schmidt. 1,830,373; Nov. 3.
Truck, Locomotive. E. O. Elliott. 1,793,388; Feb. 17.

Truck, Locomotive. E. O. Elliott. 1,805,328; May 12.
Truck, Locomotive. E. O. Elliott. 1,814,909; July 14.
Truck, Locomotive. B. Wheeler. 1,829,464; Oct. 27.
Truck, Locomotive trailer. H. M. Pflager. 1,878,588; Jan. 13.
Truck, Mail bag portable. T. M. Kangus. 1,830,434; Nov. 3.
Truck, Milk. J. Koenig. 1,829,936; Nov. 3.
Truck mix meter. J. F. Robb. 1,805,373; May 12.
Truck mixer. J. F. Robb. 1,797,242; Mar. 24.
Truck, Motor. C. H. Schlundt. 1,814,635; July 14.
Truck, Motor car. I. A. Seiders. 1,808,322; June 2.
Truck rack. B. C. Rockwell. 1,793,637; Feb. 24.
Truck rack. L. E. Russell and G. E. Peters. 1,796,580; Mar. 17.
Truck, Railway. D. S. Barrows. 1,807,684; June 2.
Truck, Railway. A. O. Buckius. 1,828,280; Oct. 20.
Truck, Railway. C. J. W. Clasen. 1,787,722; Jan. 6.
Truck, Railway. C. J. W. Clasen. 1,808,289; June 2.
Truck, Railway. J. S. Tawresey. 1,806,832; May 26.
Truck, Railway-car. K. M. Hamilton. 1,793,694; Feb. 24.
Truck, Railway-car. K. M. Hamilton. 1,801,234; Apr. 14.
Truck, Railway car. M. H. Martin. 1,819,564; Aug. 18.
Truck, Railway car. M. H. Martin. 1,831,022; Nov. 10.
Truck, Safety railway. E. R. Edson. 1,791,663; Feb. 10.
Truck, Sand-handling. E. O. Beardsley and W. F. Piper. 1,809,796; June 9.
Truck skid, Lift. C. H. Thompson. 1,838,795; Dec. 29.
Truck, Steel. D. W. Voorhees, jr. 1,806,271; May 19.
Truck, Tender. H. Glaenzer. 1,803,244; Apr. 28.
Truck, Trailer. J. S. Keen and M. Shannon. 1,831,711; Nov. 10.
Truck, Warehouse. W. Holman. 1,818,060; Aug. 11.
Truck wheel. L. D. Kay. 1,800,734; Apr. 14.
Truck wheel. L. D. Kay. 1,828,500; Oct. 20.
Truck wheel, Dual tired. L. D. Kay. 1,835,949; Dec. 8.
Truck with convertible wheel structure and cooperating jack means. R. K. Moore. 1,807,793; June 2.
Truck with safety lock, Elevating. D. E. Hennessy. 1,827,012; Oct. 13.
Trucks and the like, Rack for hand. R. H. Bowen. 1,795,826; Mar. 10.
Trucks, Attachment for. R. M., C. A., and G. J. Willis. 1,811,739; June 23.
Trucks, Lateral motion device for railway car. M. H. Martin. 1,826,476; Oct. 6.
Trucks, Loader attachment for. J. W. Sharp. 1,791,979; Feb. 10.
Trucks or tractors, Power delivering attachment for automobile. L. Haubert. 1,827,655; Oct. 13.
Trucks, Resilient unit for car. G. Q. Lewis. 1,813,706; July 7.
Trucks, Torque beam for railway. G. W. Engstrom. 1,832,008; Nov. 17.
Truing and positioning device for grinding wheels. C. H. Schurr. 1,810,408; June 16.
Truing mechanism. L. F. Nenninger. 1,825,753; Oct. 6.
Truing mechanism for grinding wheels. W. L. Bryant. 1,827,967; Oct. 20.
Trunk. H. Hofbauer. 1,811,718; June 23.
Trunk adapted for sun bathing, Girdled. G. A. Mattern. 1,800,461; Apr. 14.
Trunk and box. F. L. Wagar. 1,810,451; June 16.
Trunk and camping outfit, Combined. H. Goeddertz. 1,803,901; May 5.
Trunk and carrier, Combination vehicle. E. H. Gribble. 1,791,722; Feb. 10.
Trunk and luggage carrier, Combination. E. A. Arndt. 1,792,798; Feb. 17.
Trunk and luggage carrier, Extension. P. F. Spery. 1,823,515; Sept. 15.
Trunk, Auto. J. S. Gilfillen. 1,837,428; Dec. 22.
Trunk, Automobile luggage. P. F. Spery. 1,817,107; Aug. 4.
Trunk bed. J. J. Giffel. 1,797,229; Mar. 24.
Trunk, Extensible. J. F. Bellinger. 1,817,504; Aug. 4.
Trunk, Extensible auto. O. S. Nelson and W. M. Willy. 1,826,949; Oct. 13.
Trunk or the like, Automobile. L. Weitzman. Des. 84,720–1; July 21.
Trunk platforms, Bumper adapter for. A. W. Nordgren. 1,790,244; Jan. 27.
Trunk rack. S. B. Blakely. 1,811,489; June 23.
Trunk rack. J. Miller. 1,800,466; Apr. 14.
Trunk rack. F. A. Selje. 1,825,679; Oct. 6.
Trunk rack, Bumperette. C. B. Fritts. 1,804,761; May 12.
Trunk, Running-board wardrobe. J. Lacher. 1,798,686; Mar. 31.
Trunk system, Intercepting. M. Schwartz. Re18,038; Apr. 7.
Trunk, Traveling. L. Storch. 1,794,653; Mar. 3.
Trunk, Wardrobe. J. N. Angulo y Perez. 1,818,525; Aug. 11.
Trunk, Wardrobe. J. Ritter, jr. 1,804,031; May 5.
Trunking system. A. C. Powell. 1,823,667; Sept. 15.
Trunnion. E. G. McDonald. 1,799,598; Apr. 7.
Truss. H. Esser. 1,791,353; Feb. 3.
Truss. J. E. Hansen. 1,789,365; Jan. 20.
Truss. L. B. Moltzan. 1,806,639; May 26.
Truss construction. B. J. Juron. 1,832,780; Nov. 17.
Truss fixture for electric railway equipment. R. G. Williams. 1,801,474; Apr. 21.
Truss for the reduction or alleviation of hernia. A. Baehr. 1,803,457; May 5.
Truss, Nonmetallic. A. S. Comstock. 1,831,161; Nov. 10.
Truss pad. A. L. Schakner. Des. 83,415; Feb. 17.
Truss, Reenforcing. C. Botel and L. R. Paul. 1,813,338; July 7.
Truss structure. L. C. Milburn. 1,791,827; Feb. 10.
Try- and miter-square. S. Billington. 1,804,142; May 5.
Tub: *See*—
Bath tub.
Twin tub.
Tub. J. Barta. 1,805,560; May 19.
Tub. J. L. Perkins, J. Oakley, and H. D. Croft. 1,828,908; Oct. 27.
Tub laundry machine, Stationary. H. W. Rettew. 1,839,120; Dec. 29.
Tub, Washing-machine. H. F. Snyder. 1,793,522; Feb. 24.
Tube: *See*—
Alkali metal tube.
Amplifier tube.
Audion tube.
Brake expansion tube.
Cathode triode tube.
Collapsible tube.
Discharge tube.
Electric discharge tube.
Electric-lighting tube.
Electrical tube.
Electron tube.
Electronic tube.
Eye piece tube.
Gas discharge tube.
Hearing tube.
Heat exchanging tube.
Heat transfer tube.
Inner tube.
Irrigation tube.
Luminescent tube.
Luminous tube.
Microscopic tube.
Paste tube.
Photo-electric tube.
Pneumatic tire tube.
Radio tube.
Röntgen tube.
Runner tube.
Screen grid tube.
Section tube.
Thermionic tube.
Tire tube.
Vacuum tube.
X-ray tube.
Tube. E. J. Elting. Des. 83,317; Feb. 17.
Tube adjustment for train connecters, Terminal. E. E. Workman. 1,820,337; Aug. 25.
Tube and forming the same. S. A. Neidich. 1,826,669; Oct. 6.
Tube and forming the same. S. A. Neidich. 1,837,471; Dec. 22.
Tube and making the same, Self sealing. J. J. McCall. 1,831,967; Nov. 17.
Tube and method and apparatus for splicing the same, Annular. H. L. Young and G. Foerstner. 1,802,491; Apr. 28.
Tube and method of manufacture, Pneumatic. W. C. Martin. 1,835,415; Dec. 8.
Tube and pipe bender. B. R. Little. 1,824,026; Sept. 22.
Tube and pipe cleaner, Rotary. R. W. Randall and J. C. Koch. 1,811,063; June 23.
Tube and pipe coupling. H. E. Sipe. 1,817,772; Aug. 4.
Tube and valve therefor, Unitary sectional. A. F. G. Giorchino. 1,832,017; Nov. 17.
Tube apparatus, Dispatch. J. Stoetzel. 1,821,857; Sept. 1.
Tube apparatus, Speaking. J. M. Clifford. 1,805,465; May 19.
Tube base adapter. A. Mavrogenis. 1,825,534; Sept. 29.
Tube boiler, Bent. W. Locke. 1,811,509; June 23.
Tube-building method and apparatus, Inner-. G. Foerstner. 1,796,363; Mar. 17.
Tube cap, Collapsible. C. Foti. 1,839,021; Dec. 29.
Tube carrier, Pneumatic. P. Erby. 1,807,834; June 2.
Tube casting apparatus, Centrifugal. I. Bignami, E. Galassini, E. Franchi, and G. Pons. 1,815,093; July 21.
Tube clamp. G. H. and F. E. Buyken. 1,837,701; Dec. 22.
Tube cleaner. C. M. Griffin. 1,814,752; July 14.
Tube closure, Collapsible-. W. F. Bosecker. 1,800,774; Apr. 14.
Tube-coiling machine. S. S. Sharer, H. W. Kulger, F. V. Smith, and G. L. Hurst. 1,788,749; Jan. 13.
Tube connection or rod meter, Pitot. E. S. Cole. 1,810,907; June 23.
Tube connection, Swivel. G. D. Hoffman. 1,811,392; June 23.
Tube connection, Water. G. W. Hulshizer. 1,836,715; Dec. 15.
Tube construction. W. L. Krahl. 1,814,316; July 14.
Tube coupling. H. D. Hukill. 1,805,666; May 19.
Tube cutter. A. H. Ibsen. 1,835,651; Dec. 8.
Tube-dispatch system and the like. W. Harlandt. 1,797,864; Mar. 24.
Tube display, Discharge. F. Hotchner. 1,803,706; May 5.
Tube display, Discharge. F. Hotchner. 1,818,918; Aug. 11.
Tube-end buffer. G. B. Nichols. 1,790,354; Jan. 27.
Tube ends, Process and apparatus for thickening. J. Barth. 1,837,097; Dec. 15.
Tube expander. R. Bungeroth. 1,808,631; June 2.
Tube expander. J. Lang. 1,793,624; Feb. 24.
Tube expander and expanding tubes. K. A. Stenner. 1,813,096; July 7.
Tube expander and the like. G. Wiedeke. 1,815,174; July 21.
Tube for boilers, Auxiliary circulating. E. H. Wade. 1,832,885; Nov. 24.
Tube for dyeing and bleaching, Soluble. W. N. Pharr. 1,810,057; June 16.
Tube for gas ranges, Mixing. A. Stockstrom. 1,837,080; Dec. 15.
Tube for oil burners, Combustion. H. F. Smenner. 1,806,921; May 26.

Tube for pneumatic tires, Inner. W. A. Kline. 1,791,214; Feb. 3.
Tube for vehicle tires, Sectional. L. Schneider and A. Reich. 1,788,335; Jan. 6.
Tube-forming apparatus. W. G. Johnson. 1,817,923; Aug. 11.
Tube hanger. G. W. Watts. 1,815,750; July 21.
Tube, Making a finned. H. W. Bundy. 1,829,979; Nov. 3.
Tube making machine. L. T. Frederick. 1,831,062; Nov. 10.
Tube making method and apparatus. H. L. Young. 1,810,585–6; June 16.
Tube manufacture, Luminescent. P. F. J. Lebrun and R. Préfontaine. 1,802,474; Apr. 28.
Tube mechanism. E. A. Bohlman and M. Rose. 1,794,753; Mar. 3.
Tube mill. A. W. Catlin. 1,825,333; Sept. 29.
Tube or container for pastes and the like, Collapsible. L. Rado. 1,831,751; Nov. 10.
Tube-rolling mill. F. Kocks. 1,800,891; Apr. 14.
Tube securing means. F. W. Krone. 1,811,944; June 30.
Tube still furnace. H. Thomas. 1,821,531; Sept. 1.
Tube-swaging machine. H. A. and C. B. Higgins. 1,800,526; Apr. 14.
Tube swaging machine and method. F. Müller. 1,819,376; Aug. 18.
Tube system, Pneumatic dispatch. J. T. Cowley. 1,837,703. Dec. 22.
Tube tester. J. R. Barnhart. 1,808,013; June 2.
Tube tester. P. L. O'Brien. 1,798,624; Mar. 31.
Tube testing apparatus. A. C. Rockwood and W. R. Ferris. 1,825,548; Sept. 29.
Tube testing device. P. F. Jackson. 1,829,448; Oct. 27.
Tube transmitter keying method. E. Tod. 1,828,852; Oct. 27.
Tube tunnel construction. G. F. and R. P. Porter. 1,831,322; Nov. 10.
Tube welding furnace. J. M. Staude. 1,806,028; May 19.
Tube winding machine. C. Hollmann. 1,814,697; July 14.
Tube-winding machinery. G. O. Frostad. 1,790,909; Feb. 3.
Tuber for multiwall bags. T. E. and A. C. Coty. 1,816,361; July 28.
Tubing. H. W. Bundy. 1,827,381; Oct. 13.
Tubing and forming the same. S. W. Taylor. 1,813,971; July 14.
Tubing, Apparatus for manufacturing vaned seamless. S. E. Diescher. 1,810,698; June 16.
Tubing by electric welding, Apparatus for making spiral. R. Stresau. 1,795,380; Mar. 10.
Tubing by electric welding, Making spiral. R. Stresau. 1,832,059; Nov. 17.
Tubing catcher. S. A. Guiberson, 3d. 1,838,391; Dec. 29.
Tubing catchers to oil well tubing, Device for attaching oil well. B. L. Walkup and W. J. Segler. 1,815,425; July 21.
Tubing, etc., Suspending fabric ventilation. F. M. Bins. 1,833,704; Nov. 24.
Tubing, Extruding long seamless. F. Singer. 1,802,785; Apr. 28.
Tubing, Forming capillary. D. D. Rosenburgh. 1,827,766; Oct. 20.
Tubing hanger. S. P. Tschappat. 1,830,893; Nov. 10.
Tubing, Heat exchange. W. C. S. Graham. 1,832,769; Nov. 17.
Tubing machine. E. S. Ewart. 1,809,837; June 16.
Tubing machine. A. W. Spaulding. 1,800,703; Apr. 14.
Tubing, Mine ventilating. W. H. Evans. 1,802,414; Apr. 28.
Tubing, Process and apparatus for bending. F. O'Brien. 1,826,403; Oct. 6.
Tubing, Retractable. J. H. Howard. 1,838,401; Dec. 29.
Tubing slip. L. M. Pearce. 1,797,964; Mar. 24.
Tubing stripper. I. C. Bell. 1,801,995; Apr. 21.
Tubing stripper. I. C. Bell. 1,823,233; Sept. 15.
Tubing tensioning device. J. A. Wintroath. 1,814,538; July 14.
Tubes, Accessory device for collapsible. F. Wolf. 1,811,224; June 23.
Tubes and pipes, Manufacture of. F. Sönnichsen, F. A. Frisch, and H. A. Nicolaysen. 1,808,122; June 2.
Tubes, Apparatus for cleaning. N. Thompson. 1,806,270; May 19.
Tubes, Apparatus for corrugating metal. L. L. Lord. 1,835,314; Dec. 8.
Tubes, Apparatus for extruding seamless brass and copper. N. R. Munson. 1,808,370; June 2.
Tubes, Apparatus for manipulating inner. M. H. Pade. 1,828,153; Oct. 20.
Tubes, Apparatus for the manufacture of inner. H. C. Bostwick. 1,811,453; June 23.
Tubes, Coating the interior of. C. F. Moore. 1,796,338; Mar. 17.
Tubes, Device for bending. G. A. Bryan. 1,810,340; June 16.
Tubes, Device for testing vacuum. D. E. Johnson and P. F. Jackson. 1,815,375; July 21.
Tubes, Device for welding fins to. A. Rühr. 1,797,795; Mar. 24.
Tubes, Dispensing attachment for collapsible. M. B. Homer. 1,797,686; Mar. 24.
Tubes, Filling bicompartment collapsible. N. M. Hopkins. 1,828,864; Oct. 27.
Tubes for pneumatic tires, Manufacturing inner. A. W. Ott. 1,818,349; Aug. 11.
Tubes, Forming. J. E. Boyton. 1,831,945; Nov. 17.
Tubes, Manufacture of inner. P. W. Lehman. 1,819,032; Aug. 18.
Tubes, Manufacture of luminescent. P. F. J. Lebrun. 1,802,473; Apr. 28.
Tubes, Manufacture of rubber. E. Hopkinson and W. A. Gibbons. 1,797,580; Mar. 24.
Tubes, Manufacture of seamless. O. Bamberger. 1,823,080; Sept. 15.
Tubes, Manufacture of seamless. W. Kunst. 1,808,957; June 9.
Tubes, Method and apparatus for forming arch. C. A. Henry and C. A. Oppfelt. 1,816,218; July 28.
Tubes, Method and apparatus for treating drawn. A. J. Johnson. 1,826,077; Oct. 6.
Tubes, Method of and apparatus for making metal. J. Kozicz. 1,800,023; Apr. 7.
Tubes, Methods and machines for making paper. W. R. Willauer. 1,802,857; Apr. 28.
Tubes of celluloid and the like, Making. S. A. Neidich. 1,804,022–3; May 5.
Tubes, Operation of luminous. C. S. Treacy. 1,811,100; June 23.
Tubes or rods for pickling, etc., Apparatus for the dipping of. H. Trevorrow. 1,820,851; Aug. 25.
Tubes, Preparing luminescent. F. W. Zons. 1,817,333; Aug. 4.
Tubes, Process and apparatus for molding. W. H. Watt. 1,822,256; Sept. 8.
Tubes, Production of seamless. E. Alvermann. 1,789,721; Jan. 20.
Tubes, Rolling. W. Herz. 1,837,161; Dec. 15.
Tubes, Slag-screen water. D. S. Jacobus and H. J. Kerr. 1,790,710; Feb. 3.
Tubes, Tapering metal. G. E. Neuberth. 1,810,885; June 16.
Tubular articles, Connecting. W. Merrill. 1,797,691; Mar. 24.
Tubular articles, Manufacture of elongated. F. W. Meyer. 1,790,108; Jan. 27.
Tubular articles, Method of and apparatus for producing. G. L. Rock. 1,806,119; May 19.
Tubular bodies, Producing closed end. F. Singer. 1,802,843; Apr. 28.
Tubular body for heating or the like and making the same. G. E. Blake. 1,811,816; June 23.
Tubular boiler. H. T. Bellamy and J. C. Smith. 1,826,411; Oct. 6.
Tubular boiler, High pressure. M. Eule. 1,816,520; July 28.
Tubular box. E. W. Labombarde. 1,793,101; Feb. 17.
Tubular connection. L. Rych. 1,802,538; Apr. 28.
Tubular connection and producing the same. A. J. Weatherhead, jr. 1,832,954; Nov. 24.
Tubular fabric. D. H. Murphy. 1,814,223; July 14.
Tubular fabric, Woven. D. H. Murphy. 1,814,224; July 14.
Tubular furnace, Rotary. E. Schulze. 1,787,841; Jan. 6.
Tubular knitted fabric. A. S. Persky. 1,831,192; Nov. 10.
Tubular parts, Manufacturing. R. Schroeder. 1,800,360; Apr. 14.
Tubular structure. R. N. Friend. 1,819,086; Aug. 18.
Tucker for hay presses. A. E. Rutter. 1,812,061; June 30.
Tuft yarns of tube frames, Machine for trimming. E. W. Stone. 1,821,409; Sept. 1.
Tufting roving. E. Koella. 1,803,021; Apr. 28.
Tumbler. E. E. Bartlett. Des. 84,775; Aug. 4.
Tumbler. D. Fisher. Des. 84,633; July 14.
Tumbler. I. H. Freese and D. C. Evans. Des. 83,320; Feb. 17.
Tumbler. J. M. Payne, jr. Des. 83,171; Jan. 27.
Tumbler. J. M. Payne, jr. Des. 83,298; Feb. 10.
Tumbler or article of similar nature, Glass. R. J. Beatty. Des. 85,152; Sept. 22.
Tumbler or like article. J. E. Duncan, jr. Des. 83,852; Apr. 7.
Tumbler or similar article. B. D. Brown. Des. 83,030; Jan. 13.
Tumbler or similar article. G. Sakier. Des. 85,772; Dec. 15.
Tumbler or similar article, Footed. J. B. Clark. Des. 83,846; Apr. 7.
Tumbler or similar article, Glass. W. W. Reese. Des. 84,440; June 16.
Tumbler lock. E. N. Jacobi. 1,789,757; Jan. 20.
Tumbler switch. B. P. McKinley. 1,793,412; Feb. 17.
Tumbler switch, Inclosed. G. A. Johnson. 1,827,584; Oct. 13.
Tumbling machine. A. Ensslin. 1,806,194; May 19.
Tumbling mill. L. D. Peik. 1,833,301; Nov. 24.
Tumbling mill. N. Ransochoff. 1,826,822; Oct. 13.
Tuner control mechanism. H. F. Elliott. 1,803,846; May 5.
Tungsten and manufacturing the same. W. B. Gero and E. S. Davenport. 1,826,514; Oct. 6.
Tungsten and molybdenum trioxide, Preparation of chemically pure. P. Schwarzkopf. 1,815,132; July 21.
Tungsten carbide, Manufacturing. O. L. Mills. 1,812,357; June 30.

Tungsten from ores, Recovery of. C. V. Iredell. 1,796,026; Mar. 10.
Tungsten trioxide, Production of chemically-pure. P. Schwarzkopf. 1,800,758; Apr. 14.
Tuning control. G. R. Eaton and M. Rose. 1,833,893; Dec. 1.
Tuning-control device. V. D. Landon. 1,799,983; Apr. 7.
Tuning device. H. A. Snow. 1,789,912; Jan. 20.
Tuning device for musical instruments. A. Loomis. 1,837,227; Dec. 22.
Tuning device for wind musical instruments. A. Loomis. 1,821,655; Sept. 1.
Tuning device, Variable. E. G. Danielson. 1,830,982; Nov. 10.
Tuning fork, Air driven. R. H. Ranger. 1,802,478; Apr. 28.
Tuning fork, Air driven. R. H. Ranger and C. E. Nelson. 1,831,638; Nov. 10.
Tuning forks, Method of and apparatus for driving. E. C. Homer and W. D. Buckingham. 1,828,660; Oct. 20.
Tuning means. H. O. Peterson. 1,823,666; Sept. 15.
Tuning mechanism for radio receptions, etc. M. Alden. 1,832,175; Nov. 17.
Tuning peg, Internal geared. L. H. Bertram. 1,802,937; Apr. 28.
Tuning scale for wireless apparatus. L. Rottenburg. 1,802,187; Apr. 21.
Tuning system. J. M. Miller. 1,819,299; Aug. 18.
Tunnel apparatus. R. V. Proctor. 1,814,852; July 14.
Tunnel construction, Method of and apparatus for. W. F. Glasser. 1,792,084; Feb. 10.
Tunnel construction, Tube. G. F. Porter. 1,837,134; Dec. 15.
Tunnel liner form. J. L. Hilton. 1,802,815; Apr. 28.
Tunnel lining unit. E. C. Amsden. 1,805,435; May 12.
Tunnel or conduit lining. J. F. O'Rourke. 1,788,248; Jan. 6.
Tunnel shield. C. M. Goodrich. 1,796,752; Mar. 17.
Tunnel stations, Constructing. F. Donaldson. 1,800,819; Apr. 14.
Tunneling. D. J. O'Rourke. 1,833,369; Nov. 24.
Tunneling machine. F. A. King. 1,800,541; Apr. 14.
Tunneling machine. M. R. Sheen. 1,800,361; Apr. 14.
Tunneling, Method of and apparatus for. D. J. O'Rourke. 1,833,368; Nov. 24.
Tunnels, Apparatus for driving. H. H. Fisher. 1,789,735; Jan. 20.
Turbine. R. A. Coffman. 1,826,453; Oct. 6.
Turbine. C. L. Hoff and T. P. Long. 1,816,971; Aug. 4
Turbine. A. C. McGinty. 1,811,515; June 23.
Turbine. H. R. Stuart. 1,802,094; Apr. 21.
Turbine, Air. M. H. Damerell. 1,803,896; May 5
Turbine and condenser arrangement, Compound. F. Hodgkinson. 1,814,628; July 14.
Turbine and the like, Elastic fluid. O. Rosenlöcher. 1,829,674; Oct. 27.
Turbine apparatus, Steam. K. Frey. 1,806,065; May 19.
Turbine blade. B. V. Densmore. 1,793,468; Feb. 24.
Turbine blade for gas and steam turbines. H. Holzwarth. 1,837,439; Dec. 22.
Turbine blade, Gas. H. Holzwarth. 1,801,427; Apr. 21.
Turbine blades, Making. G. Back. 1,829,179; Oct. 27.
Turbine case. A. V. Karpov. 1,813,404; July 7.
Turbine casing. W. B. Flanders. 1,796,325; Mar. 17.
Turbine, Combustion. F. Hofmann. 1,802,469; Apr. 28.
Turbine construction. R. Birmann. 1,802,329; Apr. 28.
Turbine construction, Steam. K. Frey. 1,834,451; Dec. 1.
Turbine control mechanism. R. J. Caughey. 1,836,789; Dec. 15.
Turbine-driven sets, Governing mechanism for. R. G. Standerwick. 1,792,255; Feb. 10.
Turbine, Elastic fluid. R. C. Allen. 1,823,309–10; Sept. 15.
Turbine, Elastic fluid. R. W. Bailey. 1,820,725; Aug. 25.
Turbine, Elastic-fluid. O. D. H. Bentley. 1,790,196; Jan. 27.
Turbine, Elastic fluid. D. J. Bloomberg. 1,819,864; Aug. 18.
Turbine, Elastic fluid. R. J. Caughey. 1,808,528; June 2.
Turbine, Elastic fluid. R. H. Collingham. 1,825,580; Sept. 29.
Turbine, Elastic fluid. H. J. Hanzlik. 1,814,629; July 14.
Turbine, Elastic-fluid. F. and L. S. Lanterman. 1,793,179; Feb. 17.
Turbine, Elastic fluid. C. A. Parsons and E. H. B. Anderson. 1,806,645; May 26
Turbine, Elastic fluid. G. Weidehoff. 1,827,682; Oct. 13.
Turbine engine. N. W. Keller. 1,799,101; Mar. 31.
Turbine engine. T. H. Walker. 1,792,946; Feb. 17.
Turbine exhauster for locomotives, Air. F. H. C. Coppus. 1,822,081; Sept. 8.
Turbine, Explosion. H. Holzwarth. 1,824,893; Sept. 29.
Turbine, Gas. A. E. Elsea. 1,838,477; Dec. 29.
Turbine, Gas. C. Lorenzen. 1,827,246; Oct. 13.
Turbine, Gas. B. Morton and G. P. Welch. 1,828,782; Oct. 27.
Turbine-governing apparatus, Steam-. K. Frey. 1,795,944; Mar. 10.
Turbine having its rotating shaft transverse to the flow of the current. G. J. M. Darrieus. 1,835,018; Dec. 8.
Turbine, Hydraulic. V. Kaplan. 1,822,778; Sept. 8.
Turbine, Hydraulic. L. F. Moody. 1,803,673; May 5.
Turbine, Hydraulic. L. F. Moody. 1,837,568–9; Dec. 22.
Turbine, Hydraulic. J. J. Ring. 1,792,761; Feb. 17.
Turbine, Hydraulic. C. A. Terry. 1,791,585; Feb. 10.
Turbine impeller. R. Lack. 1,788,307; Jan. 6.
Turbine, Impulse. L. F. Moody. 1,837,570; Dec. 22.
Turbine, Mercury vapor. L. T. Jones. 1,804,694; May 12.
Turbine, Multistage combustion. H. Holzwarth. 1,798,160; Mar. 31.
Turbine plant, Gas-. A. Meyer. 1,797,783; Mar. 24.
Turbine power installation, Elastic fluid. M. D. Church. 1,811,302; June 23.
Turbine-sealing device, Steam-. A. Meyer. 1,795,311; Mar. 10.
Turbine, Siphon. E. Suess. 1,809,496; June 9.
Turbine, Steam. J. J. van den Bossche. 1,798,566; Mar. 31.
Turbine, Steam. O. A. Wiberg. 1,835,361; Dec. 8.
Turbine, Steam. B. B. Wood. 1,824,106; Sept. 22.
Turbine support. R. C. Allen. 1,814,626–7; July 14.
Turbine, Water. T. Thompson. 1,796,732; Mar. 17.
Turbine, Water. T. Thompson. 1,803,220; Apr. 28.
Turbine, Wind. F. Newton. 1,833,403; Nov. 24.
Turbines, Blade ring for radial flow elastic fluid. E. O. Eriksson and G. Nordgren. 1,831,104; Nov. 10.
Turbines, Controlling means for. R. Birmann. 1,789,861; Jan. 20.
Turbines, Draining the low pressure blading of steam. K. Frey and A. Meyer. 1,834,452; Dec. 1.
Turbines, Preheating. E. Brown. 1,811,383; June 23.
Turbines, Regulating mechanism for steam or gas. O. A. Wiberg. 1,794,747; Mar. 3.
Turbines, Rotor blade for high-temperature. H. Holzwarth. 1,800,730; Apr. 14.
Turbines, Setting for hydraulic. H. T. Porter. 1,792,394; Feb. 10.
Turbo-generator. E. J. Blake and W. F. Bouche. 1,813,656; July 7.
Turbo generator. R. Pohl. 1,815,795; July 21.
Turbulence arrester. W. V. Thompson. 1,806,101; May 19.
Turnbuckle. W. D. Ferris. 1,820,216; Aug. 25.
Turn-button for clocks, etc., Direction indicating. J. O. Simpson. 1,817,447; Aug. 4.
Turner, Cake. C. H. Holland. 1,828,187; Oct. 20.
Turner, Egg or pancake. I. C. Molleson. 1,824,783; Sept. 29.
Turning arrangement for monorail suspended vehicles. C. Stedefeld and W. Black. 1,825,683; Oct. 6.
Turning device for turning off shafts, crank shafts, and other machine parts on the spot. P. Polderman. 1,839,589; Nov. 24.
Turning equipment for heavy machines. B. H. Flynn. 1,789,647; Jan. 20.
Turning machine. C. L. Mattison. 1,817,493; Aug. 4.
Turning machine. J. S. Richardson, 1,834,181; Dec. 1.
Turn-out switch. A. R. Long. 1,834,464; Dec. 1.
Turnover devices, Flask-supporting means for. R. F. Ringle. 1,796,305; Mar. 17.
Turnstile. H. B. Odell. 1,816,193; July 28.
Turnstile. F. J. Percy. 1,796,161; Mar. 10.
Turnstile. F. J. Perey. 1,815,130; July 21.
Turnstile. D. Tulchin. Re18,211; Sept. 29.
Turnstile. B. F. Wininger. 1,799,665; Apr. 7.
Turnstile mechanism. O. Distler and M. and E. Klein. 1,791,922; Feb. 10.
Turntable. E. C. Cook. 1,828,959; Oct. 27.
Turntable. W. and W. H. Illingworth. 1,828,414; Oct. 20.
Turntable. G. F. Koehler. 1,797,830; Mar. 24.
Turntable. S. E. Moore. 1,802,439; Apr. 28.
Turn table and truck travel lock. H. E. Scott. 1,836,190; Dec. 15.
Turntable equipment for garages, Traveling. G. Lowenstein. 1,807,597; June 2.
Turntable lock. J. M. Kerr. 1,808,898; June 9.
Turntable or transfer table and truck construction therefor. M. G. Hilpert. 1,811,930; June 30.
Turntable, Phonograph. F. Diehl. 1,823,533; Sept. 15.
Turntable with supporting and guiding roller for two-axle motor-vehicle trailers. J. Leuzinger. 1,801,204; Apr. 14.
Turpentine cup. H. Fulenwider and H. Norris. 1,799,553; Apr. 7.
Turpentine, pine oil, and rosin from woody materials rich in oleoresin, Manufacturing of. F. C. Palazzo. 1,792,392; Feb. 10.
Tuyère. L. M. Nesselbush. 1,824,919; Sept. 29.
Tuyère. C. J. Parker. 1,829,055; Oct. 27.
Tuyère. P. D. Wright. 1,837,090; Dec. 15.
Tuyére and supporting grate therefor. L. J. Palda, jr. 1,800,747; Apr. 14.
Tuyère block for metallurgical furnaces. D. Cushing. 1,821,175; Sept. 1.
Tuyère construction. R. A. Foresman and D. J. Mosshart. 1,791,269; Feb. 3.
Tuyère for blast furnaces. H. B. Groninger. 1,793,849; Feb. 24.
Tuyères. G. W. Hughes. 1,829,356; Oct. 27.
Twin cup, Life-saving water-making. C. W. Armbrust. 1,792,056; Feb. 10.
Twin tub. J. L. Arlt. 1,798,300; Mar. 31.
Twine ball. H. A. Corbett. 1,818,694; Aug. 11.
Twine balling apparatus and method. H. A. Corbett. 1,830,641; Nov. 3.
Twine cutter. R. Beaver. 1,812,462; June 30.

Twine cutter. H. W. Fenton. 1,820,014; Aug. 25.
Twine, Device for holding and applying. P. J. Swigart. 1,809,607; June 9.
Twine holding and dispensing device. G. Maletz. 1,806,812; May 26.
Twine, Manufacture of paper. A. Hayner. 1,837,433; Dec. 22.
Twister, Electrically heated. E. L. Smith and F. B. Fuller. 1,824,307; Sept. 22.
Twister mechanism. W. Wiese. 1,830,728; Nov. 3.
Twisting frame specially for twisting artificial silk, Double-ring. M. Lenk. 1,793,704; Feb. 24.
Twisting machine. J. Juliá. 1,808,415; June 2.
Twisting machine. M. Leduc. 1,837,052; Dec. 15.
Twisting machines, Stop motion for. J. A. Jessen. 1,790,818; Feb. 3.
Twisting mechanism. M. P. Durand. 1,800,784; Apr. 14.
Twisting mechanism for wrapping machines. M. B. Ferguson. 1,816,080; July 28.
2-acylaminoanthrahydroquinone compounds and preparing the same. K. Schirmacher, H. Schlichenmaier, W. Kross, W. Schaich, H. Tampke, and H. Neumann. 1,829,840; Nov. 3.
2-amino-beta-phenyl-anthraquinone by ring closure, Preparation of. P. H. Groggins. 1,814,149; July 14.
2-aminonaphthalene-3-carboxylic acid, Manufacture of. H. Schweitzer. 1,806,714; May 26.
2-chlor-anthraquinone, Preparing. J. Thomas. 1,812,274; June 30.
Two-cycle engine. L. O. French. 1,807,838; June 2.
Two-cycle engine. J. B. Humpert. 1,794,405; Mar. 3.
Two-cycle engine. E. C. Newcomb. 1,789,535; Jan. 20.
Two-cycle engine. L. St. Clair. 1,793,975; Feb. 24.
Two-cycle engine. J. Taneyhill. 1,808,384; June 2.
2-(4'-hydroxy-aryl-amino)-aryl-amino-naphthalenes. R. Herz and W. Hechtenberg. 1,815,775; July 21.
2-halogen-beta-phenyl-anthraquinone, Preparation of. P. H. Groggins. 1,814,147; July 14.
2-halogen-3-chloro-4-amino-1-methylbenzene-5-sulphonic acids and preparing them. H. Wagner, A. Kissling, E. Hotz, and W. Fitzky. 1,815,747; July 21.
2-halogen-3-chloro-4-amino-1-methylbenzene-6-sulphonic acids and preparing them. H. Wagner, A. Kissling, E. Hotz, and W. Fitzky. 1,815,748; July 21.
Two hand lock. C. N. Fairchild. 1,830,265; Nov. 3.
2-nitrile of aryl-1-thioglycol-2-carboxylic acids containing bromine and new product obtainable thereby, Preparing the. H. Wagner and R. Brune. 1,803,781; May 5.
2-nitro-anthraquinone-7-sulpho-acid and making the same. I. Gubelmann, H. J. Weiland, and O. Stallmann. 1,810,010; June 16.
2-nitro-7-chloro-anthraquinone and making the same. I. Gubelmann, H. J. Weiland and O. Stallmann. 1,810,011–12; June 16.
Two-stroke motor. J. R. Goiot. 1,790,302; Jan. 27.
2,3 hydroxynaphthyl-arylketones. A. Zitscher. 1,817,957; Aug. 11.
Tying device, Wire. C. L. Slingerland. 1,801,646; Apr. 21.
Tying machines, Jogging mechanism for. G. A. Dunn. 1,801,545; Apr. 21.
Tympan attachment. Running. P. F. Cox. 1,818,384; Aug. 11.
Type, Apparatus for cleaning. C. N. Kelley. 1,823,689; Sept. 15.
Type-bar guides, Forming. F. U. Conard. 1,820,440; Aug. 25.
Type bed and support. F. Hopper. 1,793,616; Feb. 24.
Type bodies, Setting. H. Luce. 1,789,009; Jan. 13.
Type card for printing machines. L. W. Moulton. 1,830,555; Nov. 3.
Type card for printing machines. G. Van Dusen. 1,818,830; Aug. 11.
Type carrier for stamping presses. A. H. Germer. 1,804,255; May 5.
Type case. Chisholm. 1,800,505; Apr. 14.
Type-casting machines, Feeder for. J. H. Hoffman. 1,788,672; Jan. 13.
Type casting mold. J. B. Abrate. 1,830,745; Nov. 10.
Type chase. F. Kohnle. 1,821,437; Sept. 1.
Type-composition frame. A. Wilson. 1,787,769; Jan. 6.
Type, Font of. I. O. Witte. Des. 85,221; Sept. 22.
Type form projector. E. J. Freund. 1,806,896; May 26.
Type hold open arm, Fusible. D. R. Lasier. Re18,284; Dec. 15.
Type hold open arm, Fusible. D. R. Lasier. 1,812,408; June 30.
Type impedance equalizer for any smooth line, Series. R. S. Hoyt. 1,815,256; July 21.
Type impedance equalizer for any smooth line, Shunt. R. S. Hoyt. 1,815,254; July 21.
Type locking quad. F. H. Poeppelmeier. 1,834,732; Dec. 1.
Type recording beams, Full capacity. A. Bousfield. 1,829,782; Nov. 3.
Typesetting-machine operation, Slug-casting. A. Good. 1,795,854; Mar. 10.
Typesetting machines, Mechanism for. J. W. Phelps. 1,795,736; Mar. 10.
Typesetting machines, Signaling and indicating device for protecting the molds and mold liners of. A. J. McLoughlin. 1,811,144; June 23.
Type slugs, Attachment for breaking. L. W. Willis. 1,808,703; June 2.
Type, Special. E. H. Salmon. 1,793,721; Feb. 24.
Typewriter. C. W. Crumrine. 1,837,898; Dec. 22.
Typewriter. C. C. Dahl. Des. 85,515; Nov. 10.
Typewriter. S. A. Dean. 1,832,622; Nov. 17.
Typewriter. W. A. Dobson. Des. 84,926; Aug. 25.
Typewriter. R. Seidelinger. 1,820,329; Aug. 25.
Typewriter. C. D. Youngberg. Re18,017; Mar. 31.
Typewriter. C. D. Youngberg. 1,809,883; June 16.
Typewriter and card-perforating machine, Combined. A. G. F. Kurowski. 1,823,550; Sept. 15.
Typewriter and the like. J. H. Barr. 1,800,854; Apr. 14.
Typewriter and the like. J. H. Barr. 1,829,390; Oct. 27.
Typewriter attachment. G. C. Frantz. 1,814,142; July 14.
Typewriter attachment. W. A. Taylor. 1,838,881; Dec. 29.
Typewriter attachment. H. J. Tynan. 1,792,557; Feb. 17.
Typewriter escapement mechanism. E. T. Harney. 1,834,703; Dec. 1.
Typewriter frame. M. Garbell. 1,800,199; Apr. 14.
Typewriter keyboard. J. M. Ostrey. 1,828,939; Oct. 27.
Typewriter machine. J. Phelps. 1,820,542; Aug. 25.
Typewriter pad. H. C. Harding. Des 85,240; Sept 29.
Typewriter ribbon device. J. C. Hochman. 1,826,074; Oct. 6.
Typewriter-ribbon-reinking device. A. Pederiva. 1,795,965; Mar. 10.
Typewriter ribbon rejuvenator. F. R. Switzer. 1,820,583; Aug. 25.
Typewriter, Type wheel. O. Podlejsi. 1,830,766; Nov. 10.
Typewriter word counter. J. A. B. Smith. 1,798,707; Mar. 31.
Typewriters, Book holding attachment for. M. S. Moseley. 1,830,478; Nov. 3.
Typewriters, Copy attachment for. C. H. Monsees. 1,808,857; June 9.
Typewriters, Envelope feeding apparatus for. H. L. Chenery. 1,817,235; Aug. 4.
Typewriters, Fractional line spacer for. C. W. Crumrine. 1,807,969; June 2.
Typewriters, Multiple totalizer attachment for. M. Samburg and J. C. Hochman. 1,829,543; Oct. 27.
Typewriters, Multi-ply web for. J. A. B. Smith. 1,837,731; Dec. 22.
Typewriters, Ribbon mechanism for. R. Seidelinger. 1,825,705; Oct. 6.
Typewriters, Speed control for electrical. W. C. Gould. 1,798,790; Mar. 31.
Typewriters, Underscoring apparatus for. R. H. Manly. 1,818,078; Aug. 11.
Typewriters, Variable escapement for. B. M. Des Jardins. 1,812,394; June 30.
Typewriting and card-perforating machine, Combined. F. K. Davis and C. C. Taylor. 1,818,045; Aug. 11.
Typewriting and card perforating machine, Combined. A. G. F. Kurowski. 1,807,920; June 2.
Typewriting and card-perforating machine, Combined. A. G. F. Kurowski. 1,823,108; Sept. 15.
Typewriting and card-perforating machine, Combined. J. A. B. Smith. 1,795,453; Mar. 10.
Typewriting and computing machine, Combined. H. O. Blaisdell. 1,800,197; Apr. 14.
Typewriting and computing machine, Combined. F. U. Conard. 1,825,143; Sept. 29.
Typewriting and computing machine, Combined. J. H. Edwards. 1,803,525; May 5.
Typewriting and computing machine, Combined. H. Hanson. 1,826,878; Oct. 13.
Typewriting and computing machine, Combined. A. G. Kupetz. 1,794,464; Mar. 3.
Typewriting and computing machine, Combined. A. G. Kupetz. 1,807,626; June 2.
Typewriting and computing machine, Combined. A. G. F. Kurowski. 1,835,165; Dec. 8.
Typewriting and computing machine, Combined. R. Pennicott. 1,810,325; June 16.
Typewriting and computing machine, Combined. H. L. Pitman. 1,827,298; Oct. 13.
Typewriting and computing machine, Combined. H. L. Pitman. 1,834,731; Dec. 1.
Typewriting and computing machine, Combined. H. Resch. 1,804,232; May 5.
Typewriting and computing machine, Combined. J. A. B. Smith. 1,792,047; Feb. 10.
Typewriting and computing machine, Combined. E. Stevenson. 1,806,768; May 26.
Typewriting and computing machine, Combined. O. Thieme. 1,836,560; Dec. 15.
Typewriting and computing machine, Combined. H. H. Vickers. 1,819,931; Aug. 18.
Typewriting and computing machine, Combined. R. von Reppert. 1,823,715; Sept. 15.
Typewriting and like machines and baseboard, Connection between. P. Käppler. 1,792,428; Feb. 10.
Typewriting and similar machine. H. Luce. 1,792,105; Feb. 10.
Typewriting machine. H. A. Avery. 1,808,096; June 2.
Typewriting machine. H. A. Avery. 1,808,739; June 2.
Typewriting machine. H. A. Avery. 1,820,903; Sept. 1.
Typewriting machine. H. A. Avery. 1,838,128; Dec. 29.
Typewriting machine. E. E. Barney. 1,807,648; June 2.
Typewriting machine. F. Becker. 1,821,922; Sept. 8.
Typewriting machine. R. E. Benner. 1,812,855; July 7.
Typewriting machine. H. O. Blaisdell. 1,803,496; May 5.

Typewriting machine. C. W. Brenn. 1,818,940; Aug. 11.
Typewriting machine. F. U. Conard. 1,805,685; May 19.
Typewriting machine. A. J. C. Cousin. 1,794,152; Feb. 24.
Typewriting machine. B. M. Des Jardins. 1,802,500; Apr. 28.
Typewriting machine. W. A. Dobson. 1,801,544; Apr. 21.
Typewriting machine. W. A. Dobson. 1,810,309; June 16.
Typewriting machine. W. A. Dobson. 1,837,025; Dec. 15.
Typewriting machine. F. F. Dorsey. 1,818,200; Aug. 11.
Typewriting machine. A. B. Ely and E. L. Harmon. 1,798,150; Mar. 31.
Typewriting machine. A. B. Ely and E. L. Harmon. 1,807,590; June 2.
Typewriting machine. F. Fray. 1,834,520; Dec. 1.
Typewriting machine. C. Gabrielson. 1,826,763; Oct. 13.
Typewriting machine. C. Gabrielson. 1,833,897; Dec. 1.
Typewriting machine. G. G. Going. 1,809,552; June 9.
Typewriting machine. G. G. Going. 1,817,251–4; Aug. 4.
Typewriting machine. G. G. Going. 1,826,068; Oct. 6.
Typewriting machine. G. G. Going. 1,834,613; Dec. 1.
Typewriting machine. F. A. Greis. 1,822,438; Sept. 8.
Typewriting machine. G. F. Handley. 1,787,679; Jan. 6.
Typewriting machine. G. F. Handley. 1,792,012; Feb. 10.
Typewriting machine. G. F. Handley. 1,799,746; Apr. 7.
Typewriting machine. G. F. Handley. 1,815,506; July 21.
Typewriting machine. G. F. Handley. 1,820,066; Aug. 25.
Typewriting machine. G. F. Handley. 1,839,150; Dec. 29.
Typewriting machine. E. L. Harmon. 1,826,780; Oct. 13.
Typewriting machine. F. A. Hart. 1,795,337; Mar. 10.
Typewriting machine. F. A. Hart. 1,806,200; May 19.
Typewriting machine. F. A. Hart. 1,818,394; Aug. 11.
Typewriting machine. F. A. Hart. 1,825,148; Sept. 29.
Typewriting machine. F. A. Hart. 1,827,431; Oct. 13.
Typewriting machine. H. J. Hart. 1,797,658; Mar. 24.
Typewriting machine. W. F. Helmond. 1,799,900; Apr. 7.
Typewriting machine. W. F. Helmond. 1,823,450; Sept. 15.
Typewriting machine. W. F. Helmond. 1,830,058; Nov. 3.
Typewriting machine. W. F. Helmond. 1,834,522; Dec. 1.
Typewriting machine. W. F. Helmond. 1,835,776; Dec. 8.
Typewriting machine. W. F. Helmond. 1,836,117; Dec. 15.
Typewriting machine. W. F. Helmond. 1,837,363; Dec. 22.
Typewriting machine. E. B. Hess. 1,790,420; Jan. 27.
Typewriting machine. E. B. Hess. 1,829,931; Nov. 3.
Typewriting machine. E. B. Hess. 1,836,848; Dec. 15.
Typewriting machine. F. W. Hillard. 1,810,522; June 16.
Typewriting machine. A. E. Howell. 1,794,770; Mar. 3.
Typewriting machine. C. A. Joerissen. 1,829,832; Nov. 3.
Typewriting machine. A. G. Kupetz. 1,812,100; June 30.
Typewriting machine. A. G. Kupetz. 1,813,410; July 7.
Typewriting machine. A. G. Kupetz. 1,833,947; Dec 1.
Typewriting machine. A. G. F. Kurowski. 1,794,524; Mar. 3.
Typewriting machine. A. G. F. Kurowski. 1,800,543; Apr. 14.
Typewriting machine. A. G. F. Kurowski. 1,821,099; Sept. 1.
Typewriting machine. A. G. F. Kurowski. 1,822,532; Sept. 8.
Typewriting machine. A. G. F. Kurowski. 1,825,743; Oct. 6.
Typewriting machine. C. M. Lawrence. 1,827,293; Oct. 13.
Typewriting machine. J. Lindburg. 1,801,354; Apr. 21.
Typewriting machine. G. H. Myers. 1,808,505; June 2.
Typewriting machine. L. C. Myers and G. F. Handley. Re18,158; Aug. 18.
Typewriting machine. L. C. Myers. 1,818,860; Aug. 11.
Typewriting machine. L. C. Myers. 1,836,863; Dec. 15.
Typewriting machine. L. A. Nemcovsky. 1,812,447; June 30.
Typewriting machine. C. E. Norin. 1,803,125; Apr. 28.
Typewriting machine. A. E. Oswald. 1,802,391; Apr. 28.
Typewriting machine. J. Phelps. 1,799,389; Apr. 7.
Typewriting machine. H. L. Pitman. 1,824,099; Sept. 22.
Typewriting machine. W. P. Quentell. 1,795,675; Mar. 10.
Typewriting machine. H. Resch. 1,806,082; May 19.
Typewriting machine. H. Resch. 1,826,823; Oct. 13.
Typewriting machine. G. M. Scherer. 1,799,182; Apr. 7.
Typewriting machine. G. M. Scherer. 1,813,321; July 7.
Typewriting machine. J. A. B. Smith. 1,787,918; Jan. 6.
Typewriting machine. J. A. B. Smith. 1,790,174; Jan. 27.
Typewriting machine. J. A. B. Smith. 1,794,094; Feb. 24.
Typewriting machine. J. A. B. Smith. 1,801,290; Apr. 21.
Typewriting machine. J. A. B. Smith. 1,802,787; Apr. 28.
Typewriting machine. J. A. B. Smith. 1,816,348; July 28.
Typewriting machine. J. A. B. Smith. 1,821,528; Sept. 1.
Typewriting machine. J. A. B. Smith. 1,822,938; Sept. 15.
Typewriting machine. J. A. B. Smith. 1,823,130; Sept. 15.
Typewriting machine. J. A. B. Smith. 1,824,102; Sept. 22.
Typewriting machine. J. A. B. Smith. 1,826,903; Oct. 13.
Typewriting machine. J. A. B. Smith. 1,834,504; Dec. 1.
Typewriting machine. J. A. B. Smith. 1,838,712; Dec. 29.
Typewriting machine. B. C. Stickney. 1,808,909; June 9.
Typewriting machine. J. L. Sweeney. 1,793,291; Feb. 17.
Typewriting machine. L. A. Thatcher. 1,801,396; Apr. 21.
Typewriting machine. A. Utz. 1,796,736; Mar. 17.
Typewriting machine. H. H. Vickers. 1,820,258; Aug. 25.
Typewriting machine. R. von Reppert. 1,803,082; Apr. 28.
Typewriting machine. R. von Reppert. 1,803,573; May 5.
Typewriting machine. R. von Reppert. 1,804,189; May 5.
Typewriting machine. R. von Reppert. 1,804,723; May 12.
Typewriting machine. R. Von Reppert. 1,827,693; Oct. 13.
Typewriting machine. R. Von Reppert. 1,828,755; Oct. 27.
Typewriting machine. F. Walsleben. 1,819,215; Aug. 18.
Typewriting machine. S. L. Walsoe. 1,803,517; May 5.
Typewriting machine, Placard. K. K. Weissfloch. 1,811,070; June 23.
Typewriting machine, Rotary platen. F. D. A. Malum. 1,839,108; Dec. 29.
Typewriting machine with power drives. M. Schulze. 1,789,661; Jan. 20.
Typewriting machines. J. Phelps. 1,817,038; Aug. 4.
Typewriting machines, Carriage-shift mechanism for. M. Garbell. 1,787,574; Jan. 6.
Typewriting machines, Key-action device for. P. Käppler. 1,791,074; Feb. 3.
Typewriting machines, Making spacing levers for. F. U. Conard. 1,834,938; Dec. 8.
Typographical assembling mechanism. J. H. Hilpman. 1,833,113; Nov. 24.
Typographical composing and casting machine. E. H. Atkins. 1,804,489; May 12.
Typographical composing and distributing machine. J. R. Rogers. 1,791,687; Feb. 10.
Typographical composing machine. D. Goldblatt. 1,807,523; May 26.
Typographical composing machine. J. H. Hilpman. 1,835,491; Dec. 8.
Typographical composing machine. G. P. Kinsburg. 1,791,726; Feb. 10.
Typographical composing machine. R. R. Mead. 1,824,911; Sept. 29.
Typographical composing machine. H. A. Southern. 1,816,094; July 28.
Typographical composing machine. O. J. Straughan. 1,835,537; Dec. 8.
Typographical distributing machine. G. P. Kingsbury. 1,828,419; Oct. 20.
Typographical forms, Manufacture of. J. Richter. 1,794,322; Feb. 24.
Typographical machine. J. R. Rogers. 1,791,686; Feb. 10.
Typographical machine. S. E. Sperry. 1,829,683; Oct. 27.
Typographical machine. L. W. Willis. 1,806,514; May 19.
Typographical machines, Attachment for. C. N. Brewer. 1,803,053; Apr. 28.
Typographical machines, Automatic recasting control for. S. E. Sperry. 1,831,778; Nov. 10.
Typographical machines, Distributor mechanism for. R. H. Turner. 1,799,031; Mar. 31.
Typographical machines, Matrix distributing for. S. E. Sperry. 1,799,028; Mar. 31.
Typographical mold element. R. Emery. 1,801,075; Apr. 14.
U-gauge, Self leveling. G. R. Steere. 1,827,546; Oct. 13.
Umbrella. W. Bouma. 1,824,192; Sept. 22.
Umbrella. E. Cornic. 1,828,396; Oct. 20.
Umbrella. R. dos Santos. 1,809,474; June 9.
Umbrella. R. A. Teel. 1,805,745; May 19.
Umbrella. I. Thomases. 1,795,268; Mar. 3.
Umbrella. A. Weise. 1,820,639; Aug. 25.
Umbrella and parasol handle. E. Weber. 1,827,862; Oct. 20.
Umbrella, Collapsible. A. Polansky. 1,797,019; Mar. 17.
Umbrella, Collapsible. L. Rochefort. 1,827,335; Oct. 13.
Umbrella construction. C. G. Snook. 1,827,676; Oct. 13.
Umbrella, Folding. H. Krüger. 1,810,567; June 16.
Umbrella, Folding. L. Michaud. 1,797,993; Mar. 24.
Umbrella, Folding. W. J. Spiro. 1,833,004; Nov. 24.
Umbrella, Folding. J. Tuthill. 1,800,119; Apr. 7.
Umbrella, Golf bag. H. McGaffey. 1,819,912; Aug. 18.
Umbrella lock. J. C. Backus. 1,806,660; May 26.
Umbrellas, Drop catching device for. H. Frenck. 1,826,063; Oct. 6.
Umbrellas, Making. M. M. Scharf. 1,798,110; Mar. 24.
Umbrellas, Notch fitting for. C. N. Royle. 1,803,072; Apr. 28.
Uncoupling mechanism. W. J. Regan. 1,797,674; Mar. 24.
Undercutter. E. Lauber. 1,797,003; Mar. 17.
Undercutter for sawing logs. J. S. Valley and E. P. Ford. 1,805,058; May 12.
Underfloor wiring duct system. H. F. Richardson. 1,815,447; July 21.
Underframe, Car. C. F. Frede. 1,793,474; Feb. 24.
Underframe for the bottom of truck bodies. S. E. Travis, jr. 1,837,927; Dec. 22.

Underframe for truck bodies. S. E. Travis, jr. 1,806,429; May 19.
Undergarment. S. Blue. 1,823,527; Sept. 15.
Undergarment. E. A. Christman. 1,822,515; Sept. 8.
Undergarment. B. J. Cohon. 1,830,528; Nov. 3.
Undergarment. A. D. Craig. 1,794,349; Feb. 24.
Undergarment. R. Hall. 1,827,147; Oct. 13.
Undergarment. F. M. Hunter. 1,832,709; Nov. 17.
Undergarment. L. F. Monypenny. 1,832,043; Nov. 17.
Undergarment. M. Sekey. 1,823,296; Sept. 15.
Undergarment and making same. J. G. Andrews. 1,790,645; Feb. 3.
Undergarment, Combination. E. M. Reese. 1,831,607; Nov. 10.
Undergarment for children, Combination. M. Brazzell. 1,812,255; June 30.
Undergarment for men and women. M. D. Neilson. 1,831,131; Nov. 10.
Undergarment, Lady's combination. M. Karnopp. 1,834,846; Dec. 1.
Undergarment, Union. A. J. Krein. 1,822,531; Sept. 8.
Underground exploration, Electromagnetic method of. N. H. Ricker. 1,803,405; May 5.
Underreamer. R. R. Crum. 1,819,357–8; Aug. 18.
Underreamer. G. C. Deakins. 1,812,039; June 30.
Underreamer. E. S. Hartson. 1,822,216; Sept. 8.
Underreamer. S. L. Highfill and R. P. Mays. 1,795,367; Mar. 10.
Underreamer. S. L. Highfill and R. P. Mays. 1,795,372; Mar. 10.
Underreamer. E. F. Raymond. 1,809,988; June 16.
Underreamer. E. F. Raymond. 1,810,030; June 16.
Underreamer. E. F. Raymond. 1,828,750; Oct. 27.
Underreamer. F. Swan. 1,815,937; July 28.
Underreamer. L. Wells. 1,835,193; Dec. 8.
Underreamer, Cable tool. R. E. Simpson. 1,803,873; May 5.
Underreamer, Compound expanding. J. Grant. 1,803,669; May 5.
Underreamer, Expanding. J. Grant. 1,812,044; June 30.
Underreamer, Expanding rotary. L. S. Copelin. 1,801,265; Apr. 21.
Underreamer, Expanding rotary. J. B. Triplett, W. H. Campbell, and W. H. Maxwell. 1,796,546; Mar. 17.
Underreamer, Expansible. R. Crum. 1,834,337; Dec. 1.
Underreamer, Expansible. B. H. Scott, S. E. Ross, and N. J. Norris. 1,796,543; Mar. 17.
Underreamer, Expansive rotary. J. T. Barkelew. 1,793,988; Feb. 24.
Underreamer, Locking. J. Grant. 1,801,552; Apr. 21.
Underreamer, Rotary. S. L. Campbell. 1,809,820; June 16.
Underreamer, Rotary. N. D. Foster. 1,837,423; Dec. 22.
Underreamer, Rotary expanding. J. J. Santiago. 1,794,735; Mar. 3.
Underreamer, Trip, Expansible. R. Crum. 1,834,335–6; Dec. 1.
Underreamer with an hydraulic trigger. J. B. Triplett, W. H. Campbell and W. H. Maxwell. 1,804,850; May 12.
Undershirt puller. V. N. Malapeta. 1,810,363; June 16.
Underskin of vessels automatically, Aerating the. F. D. Vogler. 1,824,313; Sept. 22.
Undertaker's device. E. W. Appling. 1,828,585; Oct. 20.
Underwear. R. Freed. 1,807,908; June 2.
Underwear, Process of and pattern for making. E. A. Clements. 1,808,290; June 2.
Uni-control apparatus. L. L. Jones. 1,808,777; June 9.
Union. R. R. Waterman. 1,799,834; Apr. 7.
Unit base constructional. A. P. Ball. 1,811,252; June 23.
Unit, Changing-holding. L. H. Larsen and C. W. Nixon. 1,821,345; Sept. 1.
Unit element for the packing of fruits, early products, fragile objects, and the like, and manufacture of the same. S. Mertens. 1,795,788; Mar. 10.
Unit for heating, cooling, and ventilating system. S. F. Wogan. 1,825,498; Sept. 29.
Unit heater. C. C. Carson. 1,820,779; Aug. 25.
Unit heater, Down draft. C. C. Carson. 1,820,780; Aug. 25.
Unit lock. N. B. Hurd. 1,791,029; Feb. 3.
Units and apparatus therefor, Machining individual. R. L. Frederick, and T. L. Williams. 1,822,730; Sept. 8.
Universal coupling. P. Fenaille. 1,837,856; Dec. 22.
Universal coupling. J. H. Roberts. 1,789,265; Jan. 13.
Universal jack. H. C. Hansen. 1,795,391; Mar. 10.
Universal joint. R. C. Boyden. 1,816,891; Aug. 4.
Universal joint. H. D. Church. 1,788,083; Jan. 6.
Universal joint. G. V. Curtis. 1,812,934; July 7.
Universal joint. M. Dickerson. 1,795,765; Mar. 10.
Universal joint. C. E. Furgason. 1,826,611; Oct. 6.
Universal joint. E. E. Glass. 1,830,394; Nov. 3.
Universal joint. E. Harel. 1,826,662; Oct. 6.
Universal joint. J. Hubbel. 1,838,310; Dec. 29.
Universal joint. H. H. Linn. 1,835,506; Dec. 8.
Universal joint. F. W. Peters. 1,795,264; Mar. 3.
Universal joint. A. W. Place. 1,790,677; Feb. 3.
Universal joint. W. L. Shepard. 1,832,794; Nov. 17.
Universal joint. W. J. Smith, and H. F. Braun. 1,834,906; Dec. 1.
Universal joint. E. Tetrault. 1,806,723; May 26.
Universal joint. L. Thiry. 1,838,794; Dec. 29.
Universal joint. B. H. Urschel. 1,799,200; Apr. 7.
Universal joint. C. W. Van Ranst. 1,836,095; Dec. 15.
Universal joint. C. W. Weiss. 1,799,660–1; Apr. 7.
Universal joint. A. O. Williams. 1,790,518; Jan. 27.
Universal joint. E. Williams. 1,835,684; Dec. 8.
Universal joint. V. P. Williams. 1,797,215; Mar. 17.
Universal joint, Ball and socket. R. P. Peake. 1,836,987; Dec. 15.
Universal joint, Shock-absorbing. E. Frankland. 1,787,779; Jan. 6.
Universal treatment table. W. T. Patton. 1,830,071; Nov. 3.
Unloader. G. E. Hazard. 1,823,398; Sept. 15.
Unloader, Bottle. R. E. Miller. 1,810,432; June 16.
Unloader, Car. N. D. Levin. 1,837,276; Dec. 22.
Unloader pilot and switch, Combined automatic. H. Kershaw. 1,838,228; Dec. 29.
Unloader, Pole. C. A. Jordan and C. C. Coon. 1,805,872; May 19.
Unloading and discharging means. E. J. Carroll and E. I. Cutter. 1,803,662; May 5.
Unloading apparatus. A. L. Guille. 1,809,200; June 9.
Unloading apparatus. W. W. Vanable. 1,805,427; May 12.
Unloading device. J. O. McMillan. 1,817,698; Aug. 4.
Unloading device. H. W. Peterson. 1,808,862; June 9.
Unloading device, Compressor. M. Riesner. 1,833,093; Nov. 24.
Unloading device for boxes and the like. E. W. Andrews and F. E. Anderson. 1,838,801; Dec. 29.
Unloading device for buck rakes. J. M. Erickson. 1,811,310; June 23.
Unloading device, Positive. C. Bahner and C. H. Grady. 1,829,330; Oct. 27.
Unloading mechanism for can washing machines. I. R. Hippenmeyer. 1,805,142; May 12.
Unloading system for aid and gas compressors. C. Wainright. 1,817,862; Aug. 4.
Unnailing machine. J. A. Rogers. 1,789,256; Jan. 13.
Unscrewing preventer. G. A. Montgomery. 1,796,611; Mar. 17.
Unwinding coiled wires, band iron, and the like, Device for. C. Matthaei. 1,816,385; July 28.
Unwinding device for bolts of cloth. A. Haister. 1,802,251; Apr. 21.
Upholsterer's appliance. W. A. Gedris. 1,837,540; Dec. 22.
Upholstering and mattress spring. J. W. Bowersox. 1,837,847; Dec. 22.
Upholstering machine. M. T. Vandervoort. 1,801,029; Apr. 14.
Upholstery, Attaching. C. R. Green. 1,820,064; Aug. 25.
Upholstery, Furniture. H. Siskin. 1,824,306; Sept. 22.
Upholstery machine. F. W. Brintnall and F. N. Ross. 1,825,573; Sept. 29.
Upholstery, Making. N. D. Randall. 1,837,793; Dec. 22.
Upholstery-making machine and method of making continuous cushions. M. J. Stack. 1,788,128; Jan. 6.
Upholstery, Pneumatic. W. H. Smith and H. C. Stanley. 1,830,570; Nov. 3.
Upholstery tag-pin. J. S. Launderville. 1,811,088; June 23.
Upright construction. L. I Beckwith 1,805,731; May 19.
Upright drill, Hydraulic. A. L. de Leeuw. 1,816,829; Aug. 4.
Upsetting mechanism. R. L. Wilcox. 1,805,124; May 12.
Uranium, Preparation of ductile. J. W. Marden. 1,814,721; July 14.
Urea condensation product. O. A. Cherry. 1,799,954; Apr. 7.
Urea derivative of the 1.3-butylene-glycol and preparing them. R. Leopold and M. Paquin. 1,817,992; Aug. 11.
Urea, Production of. A. Klemenc and R. Schoeller. 1,808,465; June 2.
Urn, Coffee. W. E. Burks. 1,791,400; Feb. 3.
Urn, Coffee. H. Harper. Des. 83,197; Feb. 3.
Urn, Coffee. H. Harper. Des. 84,270; May 26.
Urn, Coffee. J. J. Miller, R. J. Demeree, and H. Delafield. 1,830,000; Nov. 3.
Urn, Coffee. A. Onofrio. 1,802,268; Apr. 21.
Urn, Multiple drip coffee. L. A. Scherck. 1,804,278; May 5.
Utensil. J. L. Bennett. 1,814,784; July 14.
Utensil and method of manufacture, Cooking. J. H. Wilson and I. W. Wood. 1,788,817; Jan. 13.
Utensil, Automatic cooking. M. H. Shoenberg and L. Schon. 1,836,192; Dec. 15.
Utensil, Combination cooking. W. J. Turkenton. 1,813,646; July 7.
Utensil, Cooking. M. B. Amacher. 1,790,194; Jan. 27.
Utensil, Cooking. A. C. Axford. Des. 85,804; Dec. 22.
Utensil, Cooking. E. C. Ballard. 1,789,330; Jan. 20.
Utensil, Cooking. J. H. Wilson. 1,796,678; Mar. 17.
Utensil, Culinary. P. H. Knowles. 1,801,672; Apr. 21.
Utensil forming die, Paper-. P. F. Heyes. 1,793,089; Feb. 17.
Utensil handle. B. Burvenick. 1,837,109; Dec. 15.
Utensil handle, Detachable cooking. E. E. Drumm. Re18,069; May 19.
Utensil, Kitchen. E. D. Davis. 1,803,006; Apr. 28.
Utensil, Kitchen. L. Hazy. 1,804,099; May 5.
Utensil, Kitchen. L. J. Kaplan. 1,804,623; May 12.
Utensil, Kitchen. R. Leeds. 1,820,233; Aug. 25.
Utensil, Kitchen. S. Nishimura. 1,800,096; Apr. 7.
Utensil, Kitchen. E. H. Ryerson. 1,812,062; June 30.
Utensil, Kitchen. J. Servaas. 1,806,828; May 26.

Utensil, Kitchen. W. A. Troth. 1,826,032; Oct. 6.
Utensil, Mashing. W. T. Guth. 1,789,929-30; Jan. 20.
Utensil, Rice and grain washing. R. dos Santos. 1,792,190; Feb. 10.
Utility stand. J. Skultety. 1,789,603; Jan. 20.
Utilizing the forced draft of the propellers of aeroplanes. G. G. Schlam. 1,787,495; Jan. 6.
V block. C. W. Gruber. 1,802,914; Apr. 28.
Vacua, Production of. H. J. West. 1,809,614; June 9.
Vacuum brake. A. Dewandre. 1,830,530; Nov. 3.
Vacuum brake. W. O. Kennington. 1,835,222; Dec. 8.
Vacuum brake. C. V. Rowell. 1,809,491; June 9.
Vacuum cleaner. D. C. Baker. 1,817,337; Aug. 4.
Vacuum cleaner. R. Bass. 1,833,961; Dec. 1.
Vacuum cleaner. J. F. Carson. 1,829,582; Oct. 27.
Vacuum cleaner. M. K. Cooper. 1,818,959; Aug. 11.
Vacuum cleaner. C. C. Dance. 1,820,350; Aug. 25.
Vacuum cleaner. L. Ell. 1,832,368; Nov. 17.
Vacuum cleaner. W. J. Frame. 1,804,410; May 12.
Vacuum cleaner. A. C. Gilbert. 1,792,975; Feb. 17.
Vacuum cleaner. A. C. Gilbert. 1,832,457; Nov. 17.
Vacuum cleaner. B. D. Goldberg. 1,822,522; Sept. 8.
Vacuum cleaner. E. E. Gudka. 1,805,174; May 12.
Vacuum cleaner. T. E. Lerch. 1,792,992; Feb. 17.
Vacuum cleaner. F. Riebel, jr. 1,816,156; July 28.
Vacuum cleaner. P. H. Robinson. 1,816,873; Aug. 4.
Vacuum cleaner. E. Sproston. 1,818,872; Aug. 11.
Vacuum cleaner. E. R. Stine and M. R. Bernhardt. 1,797,557; Mar. 24.
Vacuum cleaner. W. H. Upton. 1,789,203; Jan. 13.
Vacuum cleaner. E. W. Vose. 1,797,455; Mar. 24.
Vacuum cleaner. M. Wensauer. 1,825,255; Sept. 29.
Vacuum-cleaner attachment. J. D. Beckwith. 1,797,119; Mar. 17.
Vacuum cleaner attachment. G. J. R. Thamm. 1,831,328; Nov. 10.
Vacuum cleaner, Automotive. H. B. Hall. 1,809,337; June 9.
Vacuum cleaner bag. A. T. Keys. 1,833,904; Dec. 1.
Vacuum-cleaner handle. B. J. Tamarin. Des. 83,768; Mar. 24.
Vacuum cleaner, Multiple nozzle. A. N. Spanel. 1,819,131; Aug. 18.
Vacuum cleaners, Attachment for. P. J. Anderson. 1,828,584; Oct. 20.
Vacuum-cleaning-machine attachment. H. H. Wright. 1,795,533; Mar. 10.
Vacuum cleaners, Accessories for. L. P. Keller. 1,810,613; June 16.
Vacuum cleaners and the like, Equipment for electric. H. W. Holmes. 1,806,461; May 19.
Vacuum cleaners, Cleaning member for. W. J. Clements. 1,790,229; Jan. 27.
Vacuum condensation control. V. Rosenhagen. 1,819,522; Aug. 18.
Vacuum conveyor. J. N. Brost. 1,798,061; Mar. 24.
Vacuum cooler. P. Schlumbohm. 1,799,127; Mar. 31.
Vacuum-cup device. J. Janda. 1,800,218; Apr. 14.
Vacuum device. A. W. Franklin. 1,814,681; July 14.
Vacuum device. W. Kintner. 1,813,577; July 7.
Vacuum distillation. W. B. Logan. 1,804,941; May 12.
Vacuum distillation of oils. A. E. Harnsberger. 1,822,733; Sept. 8.
Vacuum electric tube device. R. W. Lunt. 1,835,509; Dec. 8.
Vacuum evaporating apparatus. E. Schuster. 1,821,278; Sept. 1.
Vacuum filters, Vacuum seal for continuous rotary. R. O. Boykin. 1,795,634; Mar. 10.
Vacuum head and deodorizer. A. W. Pelphrey. 1,801,687; Apr. 21.
Vacuum, Mechanical. E. E. Cannon. 1,836,443; Dec. 15.
Vacuum motor. E. Dobrowsky. 1,814,903; July 14.
Vacuum, Production of. A. O. Jaeger and H. J. West. 1,809,627; June 9.
Vacuum pan. A. L. Webre. 1,835,250; Dec. 8.
Vacuum pan. A. L. Webre. 1,835,620–1; Dec. 8.
Vacuum tank. J. L. Andrews. 1,803,687; May 5.
Vacuum tank. D. D. Levy. 1,808,143; June 2.
Vacuum tank. W. H. Schulze. 1,799,195–6; Apr. 7.
Vacuum tube. H. D. Arnold. 1,809,099; June 9.
Vacuum tube. J. V. Capicotto. 1,817,674; Aug. 4.
Vacuum tube. C. J. Kayko. 1,838,488; Dec. 29.
Vacuum tube. W. L. Krabl. 1,802,950; Apr. 28.
Vacuum tube. G. Lewis. 1,832,909; Nov. 24.
Vacuum tube. S. Ruben. 1,815,931; July 28.
Vacuum tube. V. K. Zworykin. 1,837,745; Dec. 22.
Vacuum tube and its elements. S. Ruben. 1,828,545; Oct. 20.
Vacuum tube and making same. B. Loewe. 1,821,351; Sept. 1.
Vacuum tube and method of manufacture. E. Y. Robinson. 1,817,445; Aug. 4.
Vacuum tube apparatus. A. R. Perry. 1,822,370; Sept. 8.
Vacuum tube construction. F. S. McCullough. 1,822,162; Sept. 8.
Vacuum-tube device. H. M. Freeman. 1,794,950; Mar. 3.
Vacuum tube device. J. R. Robertson. 1,812,558; June 30.
Vacuum tube, Heater type. D. J. Delaney. 1,828,524; Oct. 20.
Vacuum tube lamp support. R. C. Smalley. 1,820,202; Aug. 25.
Vacuum tube light, Duplex. R. C. Smalley. 1,806,507; May 19.
Vacuum-tube light, Flat-side. R. C. Smalley. 1,794,343; Feb. 24.
Vacuum tube pickup device. T. W. Sukumlyn. 1,831,977; Nov. 17.
Vacuum tube, Triode. W. G. Wade. 1,794,933; Mar. 3.
Vacuum tube with two anodes and two grids. G. Pelletier. 1,794,242; Feb. 24.
Vacuum tubes, Device for evacuating. G. T. Thurneyssen. 1,813,973; July 14.
Vacuum type switch, Oil immersed. T. T. Greenwood. 1,801,736; Apr. 21.
Vacuum vessels from the exhaust tubes of vacuum pumps, Device for cutting off. R. G. Berthold and P. Fritsch. 1,820,553; Aug. 25.
Vacuums, Producing. H. S. Cooper. 1,800,134; Apr. 7.
Valance board support and curtain rod bracket, Combined. J. M. Wintrob. 1,818,776; Aug. 11.
Valance, Trunk and suitcase. J. Ritter, jr. 1,818,754; Aug. 11.
Valuables, Transporting. J. P. Camp. 1,810,641; June 16.
Values from brine, Process and apparatus for recovering. F. Macdonald, W. H. Allen, C. F. Ritchie, and V. T. Manchee. 1,810,181; June 16.
Valve. M. H. Ackerman. 1,815,537; July 21.
Valve. E. V. Anderson. 1,788,789; Jan. 13.
Valve. N. Atterbury. 1,790,363; Jan. 27.
Valve. F. S. Barks. 1,801,407; Apr. 21.
Valve. C. F. Beckwith. 1,810,067; June 16.
Valve. J. Beyer. 1,803,378; May 5.
Valve. W. H. Brooks. 1,807,193; May 26.
Valve. I. V. Brumbaugh. 1,832,688; Nov. 17.
Valve. M. S. Buck. 1,832,528; Nov. 17.
Valve. H. B. Burdick. 1,794,581; Mar. 3.
Valve. J. W. Cannon. 1,794,442; Mar. 3.
Valve. C. W. Carpenter. 1,817,917; Aug. 11.
Valve. R. W. Clifford. 1,832,279; Nov. 17.
Valve. A. F. Cornner and G. W. K. King. 1,821,929; Sept. 8.
Valve. W. J. and A. F. Daddysman. 1,808,495; June 2.
Valve. L. Dern. 1,795,387; Mar. 10.
Valve. N. De Vito. 1,805,130; May 12.
Valve. A. C. Dobrick. 1,800,608; Apr. 14.
Valve. R. A. Douds. 1,805,391–2; May 12.
Valve. H. W. Durham and C. M. Rucker. 1,825,512; Sept. 29.
Valve. L. W. Eggleston. 1,804,462; May 12.
Valve. W. Ernst. 1,819,703; Aug. 18.
Valve. G. E. Fox. 1,800,251; Apr. 14.
Valve. R. W. Fox, and M. A. Guigou. 1,802,205; Apr. 21.
Valve. S. Gade. 1,787,445; Jan. 6.
Valve. M. Green. 1,796,840; Mar. 17.
Valve. G. J. Hachmeister. 1,814,691; July 14.
Valve. S. M. Halstead, A. I. Wickland, and W. C. Tustin. 1,793,850; Feb. 24.
Valve. J. R. Hamilton. 1,822,655; Sept. 8.
Valve. C. M. Hamlin and E. J. Kaiser. 1,788,765; Jan. 13.
Valve. H. C. Hellos. 1,792,906; Feb. 17.
Valve. C. B. Heinsman. 1,796,201; Mar. 10.
Valve. S. D. Heron. 1,823,452; Sept. 15.
Valve. C. E. Heywood. 1,790,705; Feb. 3.
Valve. E. F. Hinnenkamp. 1,803,113; Apr. 28.
Valve. J. Hofmann. 1,798,536; Mar. 31.
Valve. W. T. Jones. 1,808,556; June 2.
Valve. G. I. Johnson. 1,794,462; Mar. 3.
Valve. H. Junkers. 1,802,720; Apr. 28.
Valve. W. A. Keeney. 1,804,167; May 5.
Valve. P. J. Kelly. 1,836,374; Dec. 15.
Valve. E. S. King. 1,820,075; Aug. 25.
Valve. P. W. Knauf. 1,824,902; Sept. 29.
Valve. J. D. Langdon. 1,818,856; Aug. 11.
Valve. C. W. Larner. 1,800,545; Apr. 14.
Valve. C. W. Larner. 1,801,049; Apr. 14.
Valve. C. W. Larner. 1,829,703; Oct. 27.
Valve. O. Larsen. 1,831,457; Nov. 10.
Valve. F. W. Lindemann. 1,792,849; Feb. 17.
Valve. W. H. Lolley. 1,830,667; Nov. 3.
Valve. B. Martin. 1,825,807; Oct. 6.
Valve. W. Martin. 1,833,653; Nov. 24.
Valve. P. J. McGowan. 1,793,331; Feb. 17.
Valve. K. F. McJilton. 1,822,230; Sept. 8.
Valve. C. E. Methudy. 1,794,703; Mar. 3.
Valve. M. E. Miller. 1,807,856; June 2.
Valve. M. E. Miller. 1,811,418; June 23.
Valve. W. B. Milner. 1,807,490; May 26.
Valve. L. F. Moody. 1,824,916; Sept. 29.
Valve. O. I. Moore. 1,801,361; Apr. 21.
Valve. E. Muller. 1,809,419; June 9.
Valve. P. Nachtsheim. 1,815,113; July 21.
Valve. P. Nachsheim. 1,830,710; Nov. 3.
Valve. S. W. Orr. 1,814,330; July 14.
Valve. D. R. Passauer. 1,809,724; June 9.
Valve. N. Pellegrino. 1,798,952; Mar. 31.
Valve. C. E. Ploeger. 1,810,498; June 16.
Valve. C. S. Pope. 1,793,825; Feb. 24.
Valve. D. E. Prenveille. 1,830,407; Nov. 3.
Valve. E. Price and W. A. Pfister. 1,813,464; July 7.
Valve. H. R. Rafton. 1,836,280; Dec. 15.
Valve. M. F. Richardson. 1,789,711; Jan. 20.
Valve. H. A. Rike. 1,837,676; Dec. 22.
Valve. F. F. Rike and W. P. Huffman. 1,808,074; June 2.

Valve. G. A. Robertshaw. 1,804,438; May 12.
Valve. G. Rodrigues. 1,813,581; July 7.
Valve. F. H. Rogers. 1,834,870; Dec. 1.
Valve. J. J. Root, jr. 1,827,911; Oct. 20.
Valve. O. F. Russell. 1,814,411; July 14.
Valve. P. S. Russel. 1,806,565; May 19
Valve. G. Sakier. Des. 83,924; Apr. 14.
Valve. W. W. Schettler. 1,836,285; Dec. 15.
Valve. M. O. Schur. 1,790,845; Feb. 3.
Valve. F. G. Slagel. 1,802,093; Apr. 21.
Valve. W. E. Sloan. 1,821,241; Sept. 1.
Valve. W. Soupal. 1,823,006; Sept. 15.
Valve. H. M. Sheppard. 1,813,126; July 7.
Valve. C. W. Sleeper, W. B. Meglitz, and H. Parker. 1,819,043; Aug. 18.
Valve. N. M. Small. 1,804,065; May 5.
Valve. J. G. Smeby. 1,807,446; May 26.
Valve. T. R. Smith. 1,804,711; May 12.
Valve. H. F. Stevens. 1,821,992; Sept. 8.
Valve. H. L. Stone. 1,827,377; Oct. 13.
Valve. E. A. Townill. 1,825,028; Sept. 29
Valve. F. M. Van Deventer. 1,792,945; Feb. 17.
Valve. F. Wagner. 1,833,981; Dec. 1.
Valve. R. Welcker. 1,838,723; Dec. 29.
Valve. J. F. Werder. 1,833,983; Dec. 1.
Valve. C. J. Westling. 1,812,069; June 30.
Valve. W. M. White. 1,834,988; Dec. 8.
Valve. G. R. Wildern. 1,792,880; Feb. 17.
Valve. C. Williamson. 1,832,341; Nov. 17.
Valve. R. E. Wilson. 1,825,378; Sept. 29.
Valve. W. G. Wilson. 1,800,127; Apr. 7.
Valve. I. B. Windsor. 1,801,383; Apr. 21.
Valve. B. W. Winship and W. T. Harder. 1,820,587; Aug. 25.
Valve. J. W. Winter. 1,795,815; Mar. 10.
Valve. L. J. Wolf and D. H. Spicer. 1,797,036; Mar. 17.
Valve. H. T. Woolson and A. O. Burgess. 1,826,160; Oct. 6.
Valve. L. K. Wright. 1,819,452; Aug. 18.
Valve. O. B. Wright. 1,798,293; Mar. 31.
Valve, Accelerated dry-pipe. W. B. Griffith. 1,790,467; Jan. 27.
Valve actuating and controlling mechanism. A. C. Estep. 1,814,622; July 14.
Valve actuating mechanism. H. D. Church. 1,820,299; Aug. 25.
Valve-actuating mechanism. O. Delitsch. 1,789,353; Jan. 20.
Valve actuating mechanism. O. J. Kay. 1,814,045; July 14.
Valve actuating mechanism. W. R. Spiller. 1,820,890–1; Aug. 25.
Valve actuating mechanism. C. C. Williams. 1,806,229–31; May 19.
Valve actuating mechanism. C. C. Williams. 1,807,719; June 2.
Valve actuating mechanism, Expansion compensating device for. J. Weiner and S. B. Sklar. 1,815,134; July 21.
Valve actuating mechanism, Sleeve. A. M. Niven. 1,825,412; Sept. 29.
Valve actuator. A. Davis, jr. 1,794,155; Feb. 24.
Valve-adjusting means, Light. F. W. Reynolds. 1,788,472; Jan. 13.
Valve aggregates for regenerative furnaces, heat apparatus, etc. E. S. S. Wohlfahrt. 1,819,052; Aug. 18.
Valve, Air. J. H. Brooks. 1,801,717; Apr. 21.
Valve, Air. N. Lombard. 1,814,565; July 14.
Valve, Air brake bleeder. F. W. Harris. 1,807,842; June 2.
Valve, Air pressure reducer. M. E. Widell. 1,838,343; Dec. 29.
Valve, Air-release. G. F. Hitchcock. Re18,029; Apr. 7.
Valve alarm. K. Watson. 1,808,911; June 9.
Valve anchor, Retaining-. G. T. Eberman. Re18,027; Apr. 7.
Valve and by-pass. E. A. Hall. 1,793,693; Feb. 24.
Valve and control for tank trucks, Shut-off. J. H. McEachern. 1,801,749; Apr. 21.
Valve and cut off, Reversible check. C. D. Harrison and P. D. Lindsey. 1,827,470; Oct. 13.
Valve and equipment for combustion control, Reversing. R. D. Nye. 1,825,815; Oct. 6.
Valve and faucet, Compression. E. J. Hentschel and S. E. Miller. 1,806,397; May 19.
Valve and gauge, Tire. L. E. Morrison. 1,803,270; Apr. 28.
Valve and head construction. A. W. Scott. 1,798,855; Mar. 31.
Valve and making same. F. H. Hehemann. 1,800,293; Apr. 14.
Valve and making same, Pocket. R. Hervig and R. Jardine. 1,826,542; Oct. 6.
Valve and making same, Sleeve. A. M. Niven. 1,814,764; July 14.
Valve and making same, Sleeve. A. M. Niven. 1,820,829; Aug. 25.
Valve and making the same. S. W. Sparks. 1,828,478; Oct. 20.
Valve and making the same. W. B. Sullivan. 1,789,374; Jan. 20.
Valve and manufacturing same. E. J. Kiley. 1,798,473; Mar. 31.
Valve and manufacturing the same. M. J. Boyle. 1,824,322; Sept. 22.
Valve and method of manufacture. M. J. Boyle. 1,824,323; Sept. 22.
Valve and mixing chamber, Unitary. F. R. Tomlinson. Re18,285; Dec. 15.
Valve and mixing device, Combined. M. Alland. 1,827,502; Oct. 13.
Valve and operating same, Diaphragm. F. W. Robertshaw and G. A. Robertshaw. 1,824,057; Sept. 22.
Valve and packing. J. C. Martin, jr. 1,800,552; Apr. 14.
Valve and plug seating means for same. M. R. Shipley. 1,819,343; Aug. 18.
Valve and seat therefor. P. R. G. Biedermann. 1,816,205; July 28.
Valve and unloader, Combined check. J. O. McMillan. 1,789,388; Jan. 20.
Valve, Angle blow-off. W. G. Wilson. 1,793,659; Feb. 24.
Valve, Antiscalding water-mixing. F. Wallace. 1,799,266; Apr. 7.
Valve apparatus, Mechanically-operated. J. T. Janette. 1,798,422; Mar. 31.
Valve assemblies, Making. H. R. Porter. 1,799,390; Apr. 7.
Valve assembly. E. W. Roberts. 1,832,426; Nov. 17.
Valve assembly. E. W. Roberts. 1,838,870; Dec. 29.
Valve assembly, Ball-. R. W. Gunn and W. A. S. Thompson. 1,796,455; Mar. 17.
Valve assembly, Clearance. C. S. Baker. 1,827,725; Oct. 20.
Valve assembly, Clearance. F. W. Parsons. 1,804,892; May 12.
Valve assembly, Self aligning thermostatic. A. G. Sherman. 1,826,327; Oct. 6.
Valve attachment for flush tank faucets, Control. P. C. Gibbons. 1,824,716; Sept. 22.
Valve, Automatic. M. H. Ackerman. 1,815,538; July 21.
Valve, Automatic. E. L. Barnes. 1,822,917; Sept. 15.
Valve, Automatic. H. E. Dobson. 1,814,904; July 14.
Valve, Automatic. L. A. Edwinson. 1,835,027; Dec. 8.
Valve, Automatic. E. J. Glass. 1,800,066; Apr. 7.
Valve, Automatic. F. P. Hagey and J. A. Kretzer. 1,790,541; Jan. 27.
Valve, Automatic. G. Hilger. 1,829,517; Oct. 27.
Valve, Automatic. R. P. Johnson. 1,810,353; June 16.
Valve, Automatic. A. C. Recker. 1,789,156; Jan. 13.
Valve, Automatic. T. J. Yates. 1,804,137; May 5.
Valve, Automatic air-release. C. L. Mackey. 1,794,237; Feb. 24.
Valve, Automatic check. I. D. Smith. 1,805,603; May 19.
Valve, Automatic coupler. J. D. Langdon. 1,808,990; June 9.
Valve, Automatic coupler. J. D. Langdon. 1,809,343; June 9.
Valve, Automatic drain. C. C. Farmer. 1,801,853; Apr. 21.
Valve, Automatic drain. A. B. Hargis. 1,820,138; Aug. 25.
Valve, Automatic flushing. J. K. Northrop. 1,789,493; Jan. 20.
Valve, Automatic gas. F. J. Bast. 1,801,300; Apr. 21.
Valve, Automatic gas-shut-off. L. D. Lovekin. 1,794,191; Feb. 24.
Valve, Automatic pump discharge. J. C. Kennedy. 1,791,449; Feb. 3.
Valve, Automatic safety. C. D. Bullard. 1,824,072; Sept. 22.
Valve, Automatic shut-off. W. Van E. Thompson. 1,832,156; Nov. 17.
Valve, Automatic signal whistle. W. R. Loder. 1,837,559; Dec. 22.
Valve, Automatic vapor check. P. B. Drane. 1,791,862; Feb. 10.
Valve, Auxiliary check. H. W. A. Lehnert. 1,787,947; Jan. 6.
Valve, Auxiliary reservoir release. J. C. McCune. 1,793,628; Feb. 24.
Valve, Back pressure. J. C. Fortune. 1,814,549; July 14.
Valve, Back-up. R. S. Newton. 1,834,253; Dec. 1.
Valve, Back up whistle and application. G. K. Newell. 1,837,474; Dec. 22.
Valve, Back-water and check. C. H. Rymal. 1,827,913; Oct. 20.
Valve bag. C. G. Kronmiller. 1,819,425; Aug. 18.
Valve bag and closing the same. J. C. Redington. 1,827,040; Oct. 13.
Valve bag closure. H. R. Williams. 1,809,259; June 9.
Valve bag filling machine. W. R. Peterson. 1,818,095; Aug. 11.
Valve bag, Reinforced. A. E. Currier. 1,826,994; Oct. 13.
Valve bag, Self locking. M. R. Kendall. 1,819,421; Aug. 18.
Valve, Balanced. J. M. Barrett. 1,813,222; July 7.
Valve, Balanced. K. A. Mayr and R. E. White. 1,819,615; Aug. 18.
Valve, Balanced. M. H. Rice. 1,788,593; Jan. 13.
Valve, Balanced. M. H. Rice. 1,808,254; June 2.
Valve, Balanced gate. G. A. Doughty and H. A. Johnston. 1,821,054; Sept. 1.
Valve, Balanced high pressure. G. A. Doughty and H. A. Johnston. 1,815,349; July 21.
Valve, Ball cock. J. H. McPartland. 1,839,042; Dec. 29.
Valve, Blower. B. J. Morrison. 1,794,791; Mar. 3.

Valve, Blow-off. E. P. O'Connor. 1,797,015; Mar. 17.
Valve, Blow-off-cock. F. H. Schrader. 1,799,025; Mar. 31.
Valve body. M. R. Shipley. 1,827,266; Oct. 13.
Valve, Brake controlling. C. C. Farmer. 1,801,856; Apr. 21.
Valve, Brake pipe cut off. T. H. Thomas. 1,805,646; May 19.
Valve, Butterfly. E. W. Orton. 1,824,168; Sept. 22.
Valve cages, Constructing. E. E. Stevenson. 1,829,022; Oct. 27.
Valve cap or the like, Tire. J. Wahl. 1,803,373; May 5.
Valve, Casing-head. H. A. Gant and H. R. Tipton. 1,788,763; Jan. 13.
Valve chamber construction. B. C. Travis. 1,818,439; Aug. 11.
Valve, Check. E. E. Hewitt. 1,828,967; Oct. 27.
Valve, Check. J. F. Mullaney. 1,822,365; Sept. 8.
Valve, Check. J. G. Zolleis. 1,825,569; Sept. 29.
Valve chest for rock drills. T. L. Murphy. 1,791,036; Feb. 3.
Valve, Clapper. R. S. Clarke. 1,791,463; Feb. 3.
Valve closure. M. C. Tetley. 1,814,460; July 14.
Valve closure for containers. E. R. George. 1,836,162; Dec. 15.
Valve, Compression faucet. A. F. Zeigler. 1,799,667; Apr. 7.
Valve, Compressor. R. W. Doeg. 1,797,671; Mar. 24.
Valve, Compressor. J. R. Erskine and H. Hedburg. 1,829,954; Nov. 3.
Valve commutator and its use in multiplex signaling. J. S. Stone. 1,835,099; Dec. 8.
Valve, Compressor. J. O. Lewis. 1,791,363; Feb. 3.
Valve, Compressor discharge. F. B. Thomas. 1,797,453; Mar. 24.
Valve comprising an equalizing chamber, a main and an auxiliary valve. F. Wagner. 1,833,062; Nov. 24.
Valve, Constant clearance poppet. W. H. Manning. 1,826,402; Oct. 6.
Valve construction. G. F. Beach. 1,797,118; Mar. 17.
Valve construction. L. Borten. 1,808,203; June 2.
Valve construction. E. A. Dow. 1,818,050; Aug. 11.
Valve construction. J. F. Goddard. 1,799,969; Apr. 7.
Valve construction. A. Greiner and C. J. Long. 1,806,972; May 26.
Valve construction. I. A. Weaver. 1,809,431; June 9.
Valve construction. R. Wehr. 1,791,778; Feb. 10.
Valve construction. R. Wehr. 1,836,738; Dec. 15.
Valve construction and making the same. S. J. V. Bovey. 1,813,273; July 7.
Valve construction, Double-. A. E. Tomlinson. 1,800,368; Apr. 14.
Valve construction, Float. T. Ritchie. 1,832,243; Nov. 17.
Valve construction for gas lift pumps. A. F. White and F. W. Jordan. 1,789,855; Jan. 20.
Valve construction for gas pumps. G. E. Makinster. 1,827,091; Oct. 13.
Valve construction, Overhead. L. Robertson. 1,807,674; June 2.
Valve construction, Slide. G. F. Woelfel. 1,834,080; Dec. 1.
Valve construction, Throttle. M. Rivkin. 1,834,868; Dec. 1.
Valve, Control. S. B. Clay. 1,791,613; Feb. 10.
Valve, Control. H. R. Standlee. 1,829,069; Oct. 27.
Valve control, Automatic poppet-. C. S. Burnett. 1,798,185; Mar. 31.
Valve control, Expansion. W. Fourness. 1,830,022; Nov. 3.
Valve control for automatic sprinkler systems. W. O. Reals. Re17,923; Jan. 6.
Valve control, Self sealing. J. W. Dearing. 1,810,877; June 16.
Valve-controlling apparatus. A. H. Tinnerman. 1,788,753; Jan. 13.
Valve controlling device. F. B. Thomas. 1,810,540; June 16.
Valve controlling means. L. D. Lovekin. 1,828,424; Oct. 20.
Valve controlling means, Bleed. C. L. Lampe. 1,803,195; Apr. 28.
Valve controlling mechanism for refrigerating systems. W. G. E. Rolaff. 1,803,677; May 5.
Valve, Core barrel. R. O. Anderson. 1,818,981; Aug. 18.
Valve coupling. R. W. Sethman. 1,816,804; July 28.
Valve coupling, Air bag. J. Wahl and O. Melzer. 1,810,115; June 16.
Valve, Cut off. J. W. Woodruff. 1,813,982; July 14.
Valve cylinder cap, Triple. C. C. Farmer. 1,805,658; May 19.
Valve device. H. A. Coffield. 1,837,653; Dec. 22.
Valve device, Brake. J. C. McCune. 1,807,319; May 26.
Valve device, Brake application. J. H. Woods. 1,810,547; June 16.
Valve device, Door-controlling. U. A. Whitaker. 1,793,657; Feb. 24.
Valve device, Double check. E. R. Fitch. 1,824,013; Sept. 22.
Valve device, Electromagnet. L. N. Leet. 1,836,077; Dec. 15.
Valve device, Feed-. C. C. Farmer. 1,797,410; Mar. 24.
Valve device, Flush. A. W. Moseley. 1,830,955; Nov. 10.
Valve device for automatic train pipe couplings. U. A. Whitaker. 1,837,386; Dec. 22.
Valve, Device for pressure fluid control. C. W. Simmons. 1,828,206; Oct. 20.
Valve device, Quick coupling. W. J. McJannet. 1,817,830; Aug. 4.
Valve device, Quick coupling. W. C. Todd. 1,817,430; Aug. 4.
Valve device, Signal. J. C. McCune. 1,820,147; Aug. 25.
Valve device, Straight air emergency. J. C. McCune. 1,824,053; Sept. 22.
Valve device, Triple. C. A. Nelson. 1,801,819; Apr. 21.
Valve, Diaphragm. O. Haentjens. 1,793,396; Feb. 17.
Valve, Diaphragm. P. K. Saunders. 1,800,157; Apr. 7.
Valve, Disk. H. Geiger. 1,823,394; Sept. 15.
Valve, Double-action noiseless float. S. T. Swanberg. 1,787,601; Jan. 6.
Valve, Drain. J. J. Quinn. 1,830,132; Nov. 3.
Valve, Drilling. W. E. King. 1,793,094; Feb. 17.
Valve, Drilling. R. W. Mueller. 1,789,878; Jan. 20.
Valve-driving mechanism, Sleeve-. A. M. Niven. 1,789,341; Jan. 20.
Valve, Dry pipe. W. B. Griffith. 1,805,241; May 12.
Valve, Electrically operated. J. R. Boyle. 1,807,191; May 26.
Valve, Electrofluid. M. Dean. 1,808,765; June 9.
Valve, Electromagnetic. G. W. Anderson. 1,826,269; Oct. 6.
Valve, Electromagnetic. H. W. Protzeller. 1,822,668; Sept. 8.
Valve, Electronic. J. F. Traver. 1,838,201; Dec. 29.
Valve, Electropneumatic. A. T. Carter. 1,794,587; Mar. 3.
Valve, Emergency. F. A. Heimbold. 1,814,157; July 14.
Valve, Emergency fuel-tank sea. H. E. Grieshaber. 1,796,200; Mar. 10.
Valve, Engine case breather. H. Caminez. 1,801,953; Apr. 21.
Valve engine, Sleeve. A. M. Niven. 1,801,970; Apr. 21.
Valve, Engine slide. L. H. Stuart. 1,794,256; Feb. 24.
Valve, Exhaust. J. H. Higgins. 1,809,201. June 9.
Valve, Expansion. F. E. Dennison and W. S. Ireland. 1,807,200; May 26.
Valve, Expansion. R. M. Hvid. 1,819,370; Aug. 18.
Valve fastening, Retaining. S. H. Campbell. 1,826,051–2; Oct. 6.
Valve, Filling. W. de Back. 1,837,412; Dec. 22.
Valve, Filling. T. McGhee and P. Woodhead. 1,820,197; Aug. 25.
Valve, Fire hydrant vent. J. R. Carnes. 1,828,763; Oct. 27.
Valve, Float. L. W. Eggleston. 1,832,693; Nov. 17.
Valve, Float and safety. E. C. Rosenow. 1,788,251; Jan. 6.
Valve, Float controlled. W. S. Brubaker. 1,825,776; Oct. 6.
Valve, Float-controlled. L. L. Da Costa. 1,796,443; Mar. 17.
Valve, Float controlled. W. G. Estep. Re18,243; Nov. 3.
Valve, Float controlled. W. G. Estep. 1,804,093; May 5.
Valve, Float controlled. C. E. Schilling. 1,825,367; Sept. 29.
Valve float for refrigerating systems. N. H. Gay. 1,829,828; Nov. 3.
Valve, Float operated. R. D. and J. O'Neil. 1,831,318; Nov. 10.
Valve, Float operated control. C. N. Flagg. 1,839,144; Dec. 29.
Valve, Flood. S. Shaul. 1,794,422; Mar. 3.
Valve, Flow-controlling. A. J. Kerr. 1,787,686; Jan. 6.
Valve, Fluid. S. S. Roberts. 1,796,808; Mar. 17.
Valve, Fluid braking. W. Doty. 1,818,676; Aug. 11.
Valve, Fluid control. O. S. Caesar. 1,833,068; Nov. 24.
Valve, Fluid-operated. E. W. Orton and C. V. Foulds. 1,791,570; Feb. 10.
Valve, Fluid operated reversing. W. F. Hohulin. 1,809,938; June 16.
Valve, Fluid reversing. W. F. Hohulin. 1,810,766; June 16.
Valve, Flush. D. Elder. 1,809,440; June 9.
Valve, Flush. E. G. Haden. 1,820,796; Aug. 25.
Valve, Flush. J. D. Langdon. 1,808,989; June 9.
Valve, Flush. C. S. Nasmyth. 1,812,301; June 30.
Valve, Flush. A. N. Pasman. 1,813,709; July 7.
Valve, Flush. W. H. Schulte. 1,799,766; Apr. 7.
Valve, Flush. W. E. Sloan. 1,830,005; Nov. 3.
Valve, Flush. B. O. Tilden. 1,808,329; June 2.
Valve, Flush. J. E. Walker. 1,812,388; June 30.
Valve, Flush. G. W. White. 1,828,517; Oct. 20.
Valve, Flush. W. S. White. 1,803,418; May 5.
Valve, Flush. A. H. Witt. 1,800,581; Apr. 14.
Valve, Flush tank. E. C. Wilson, and J. F. Craven. 1,831,831; Nov. 17.
Valve, Flush tank control. H. C. Brennan. 1,804,857; May 12.
Valve, Flushing. J. K. Northrop. 1,795,669; Mar. 10.
Valve for aerofoils, Air. S. E. Hitt. 1,831,247; Nov. 10.
Valve for air brake systems, Feed. A. W. Nicholson. 1,812,361; June 30.
Valve for artificial refrigerating system, Automatic expansion. C. M. Holley. 1,818,061; Aug. 11.
Valve for automobiles, Thermostatic. J. V. O. Palm. 1,811,366; June 23.
Valve for boiling vessels, Safety. J. Pfotzer. 1,811,151; June 23.

Valve for bottle fillers, Sirup. J. Kantor. 1,809,813; June 9.
Valve for burner, Disk. C. Eisler. 1,828,493; Oct. 20.
Valve for car doors, Control. A. F. Paul. 1,790,168; Jan. 27.
Valve for carburetors, Weight-controlled air. C. H. Kirby. 1,798,161; Mar. 31.
Valve for column indicators, Check. W. Thomas. 1,832,266; Nov. 17.
Valve for combustion engines, Revolving. K. Peter. 1,796,045; Mar. 10.
Valve for compressors. C. H. Leinert. 1,833,841; Nov. 24.
Valve for controlling gases and liquids. R. Ullrich. 1,791,436; Feb. 3.
Valve for controlling the travel of tong dogs for sawmill carriages. E. A. Ferris. 1,790,802; Feb. 3.
Valve for cookers. F. D. Chapman. 1,808,017; June 2.
Valve for cooking containers or boilers, Steam. L. G. Ducroux. 1,823,595; Sept. 15.
Valve for coolers, Drain. C. W. Metzger. 1,836,929; Dec. 15.
Valve for corn planters, Dropper. E. B. Young. 1,825,035; Sept. 29.
Valve for cushion structure. C. L. Knutson, W. G. Roby, and A. W. Kimbell. 1,828,191; Oct. 20.
Valve for drill stems, Check. E. Gray. 1,793,547; Feb. 24.
Valve for driving tools, Float,. H. M. Macomber and H. H. Pyron. 1,790,480; Jan. 27.
Valve for electric switches, Safety. J. D. Hilliard. 1,792,302; Feb. 10.
Valve for engines, Rotary. C. W. Hall. 1,797,062; Mar. 17.
Valve for faucets, Packingless and seatless. B. V. Szabó. 1,831,046; Nov. 10.
Valve for fluid lift devices, Automatic. J. W. Taylor. 1,803,683; May 5.
Valve for flush tanks. J. Melio. 1,838,429; Dec. 29.
Valve for flush tanks, Siphon. S. L. Powell. 1,822,060; Sept. 8.
Valve for force feed lubricators, Terminal. F. W. Edwards. 1,808,978; June 9.
Valve for garment presses, Steaming. H. G. Beede. 1,822,388; Sept. 8.
Valve for gas burners. C. V. Lindbloom. 1,804,473; May 12.
Valve for gas burners, Safety. C. H. Morrow. 1,791,530; Feb. 10.
Valve for gas compressors, Feather. J. Klimek. 1,799,103; Mar. 31.
Valve for gas lines, Automatic. D. L. Brown. 1,788.368; Jan. 13.
Valve for gas lines, Automatic. J. H. Shea. 1,791,980; Feb. 10.
Valve for gas ranges. A. H. Tinnerman. 1,838,506; Dec. 29.
Valve for heaters, Safety. E. R. Clark. 1,809,439; June 9.
Valve for heating apparatus, Check. L. E. Peters. 1,792,509; Feb. 17.
Valve for heating systems, Air relief. S. A. Johnson and F. C. Risselt. 1,825,459; Sept. 29.
Valve for high pressure and high temperature purposes. H. B. Redding. 1,825,543; Sept. 29.
Valve for hot-air registers, Control. P. B. Kellogg. 1,795,864; Mar. 10.
Valve for hot water radiators, Duplex. J. Elger. 1,818,053; Aug. 11.
Valve for hot water systems, Blow-off. J. F. Malsbery. 1,828,195; Oct. 20.
Valve for humidifying units, Control. E. Buehrer. 1,789,964; Jan. 27.
Valve for hydraulic shock absorbers, Regulating safety. C. Niedermayer. 1,828,432; Oct. 20.
Valve for inflatable articles. B. L. Henry. Re17,956; Feb. 10.
Valve for internal-combustion engines. G. McDowell. 1,799,759; Apr. 7.
Valve for internal combustion engines and the like. H. A. P. Tverbakk. 1,828,792; Oct. 27.
Valve for internal combustion engines, Inlet. J. and J. H. S. Gardner. 1,812,262; June 30.
Valve for internal combustion engines, Poppet. W. M. Goodwin. 1,834,836; Dec. 1.
Valve for internal combustion engines, Rotary. A. L. Harding. 1,811,928; June 30.
Valve for internal combustion engines, Rotary. C. F. Hawk. 1,814.036; July 14.
Valve for internal-combustion engines, Rotary. C. M. Smith. 1,787,457; Jan. 6.
Valve for internal combustion engines, Sliding. G. E. Becker. 1,818,527; Aug 11.
Valve for liquid delivery trucks, Delivery. S. E. Webb. 1,809,432; June 9.
Valve for lubricating apparatus, Pressure regulating. E. W. Davis. 1,801,414; Apr. 21.
Valve for lubricating systems, Compensating. A. M. Farmer. 1,834,449; Dec. 1.
Valve for lubricating systems, Measuring. E. J. Farmer. 1,818,314; Aug. 11.
Valve for lubricators. Automatic variable oil control. C. D. Allen. 1.819,858; Aug. 18.
Valve for magazines for picture films. A. Dina. 1,812,865; July 7.
Valve for nursing bottles and nipples, Air. G. A. Pardee. 1,827,100; Oct. 13.
Valve for oil and gas wells, Choke. J. H. Bailey. 1,799,143; Apr. 7.
Valve for oil dispensers, Outlet. P. B. Renfrew. 1,790,724; Feb. 3.
Valve for oil tanks, Automatic shut-off. E. C. Dempsey. 1,788,280; Jan. 6.
Valve for oil wells, Underground. C. R. Harper. 1,823,936; Sept. 22.
Valve for pipes and spouts, Cut-off. F. J. Bullock. 1,838,656; Dec. 29.
Valve for pressure pumps, Relief. O. C. Kiger and R. Shelton. 1,819,422; Aug. 18.
Valve for radiators and the like, Thermostatic. E. S. Halsey. 1,794,610; Mar. 3.
Valve for radiators, Selective. R. O. Pfeiffer. 1,789,082; Jan. 13.
Valve for reciprocating engines, Rotary. P. Nouray and D. Gluksmann-Rodanski. 1,818,921; Aug. 11.
Valve for refrigerating systems, Expansion. A. F. Sawyer. 1,793,019; Feb. 17.
Valve for rock drills. J. C. Curtis. 1,789,698; Jan. 20.
Valve for rock drills. J. C. Curtis. 1,828,491; Oct. 20.
Valve for rock drills. C. C. Hansen. 1,805,695; May 19.
Valve for rock drills. W. A. Smith, jr. 1,789,118; Jan. 13.
Valve for rock drills. W. A. Smith, jr. 1,813,773; July 7.
Valve for rock drills. W. A. Smith, jr. 1,815,166; July 21.
Valve for rock drills. W. A. Smith, jr. 1,836,688; Dec. 15.
Valve for rock drills. W. A. Smith, sr., and W. A. Smith, jr. 1,807,800; June 2.
Valve for rock drills. E. F. Terry. 1,837,735; Dec. 22.
Valve for rock drills, Blower. E. B. Lear. 1,791,034; Feb. 3.
Valve for sander systems, Automatic air distributing. R. A. Light and J. W. Price, jr. 1,836,177; Dec. 15.
Valve for sectional tubes of vehicle tires, Multiple. L. Schneider and A. Reich. 1,788,334; Jan. 6.
Valve for sewage injectors, Vent. I. C. Jennings. 1,817,196; Aug. 4.
Valve for shock absorbers, Control. C. H. Land. 1,833,969; Dec. 1.
Valve for shock absorbers, Double acting. R. I. Bates. 1,835,110; Dec. 8.
Valve for sprinkler systems. E. E. Clark. 1,807,305; May 26.
Valve for steam engines, Balanced slide. W. J. Miller. 1,824,224; Sept. 22.
Valve for steam or other fluids and liquids, Stop. H. L. Mason. 1,812,104; June 30.
Valve for steam radiators, Thermostatic-control. E. S. Halsey. 1,794,612; Mar. 3.
Valve for sulphite digesters, Top relief. L. Wimmer. 1,808,092; June 2.
Valve for tire inflaters. L. C. Byars. 1,799,727; Apr. 7.
Valve for two-cycle engines, Admission. C. H. Seifert. 1,820,093; Aug. 25.
Valve for urns. A. E. Tomlinson. 1,791,914; Feb. 10.
Valve for use with dust extraction and for conveying apparatus. W. A. Smith. 1,797,027; Mar. 17.
Valve for use with heated fluids. F. Milliken. 1,795,281; Mar. 3.
Valve for volatile liquids, Check. G. W. Collins. 1,805,480; May 19.
Valve for water-closet tanks, Siphon. C. B. Barnitz. 1,792,624; Feb. 17.
Valve for waterless cookers, Steam. R. F. Krause. 1,791.361; Feb. 3.
Valve for well casings. W. E. King. 1,824,157; Sept. 22.
Valve, Fuel-injection. C. H. Bushnell. 1,788,703; Jan. 13.
Valve, Fuel-injection. A. C. Estep. 1,787,975; Jan. 6.
Valve, Fuel injection or spray. C. S. Kenworthy. 1,833,080; Nov. 24.
Valve, Fuel-inlet. J. R. Lang and G. H. Murrin. 1,799,426; Apr. 7.
Valve, Fuel-line. A. J. Turner and R. Quantock. 1,793,343; Feb. 17.
Valve, Fusible link controlled. G. B. Pickop. 1,814,526; July 14.
Valve, Gas. J. Bernhard. 1,802,496; Apr. 28.
Valve, Gas. R. C. Hopkins. 1,806,462; May 19.
Valve, Gas regulating. J. H. Smith. Re18,307; Dec. 29.
Valve, Gate. V. E. Flodin. 1,835,289; Dec. 8.
Valve, Gate. R. P. Hanson. 1,801,237; Apr. 14.
Valve, Gauge. G. W. De Forest. 1,835,020; Dec. 8.
Valve gear shifting mechanism, Fluid pressure operated. S. H. Lewis. 1,811,434; June 23.
Valve, Globe check. A. W. Hallett. 1,834,276; Dec. 1.
Valve grinder stem, Nonchattering. J. J. Vlcek. 1,828,087; Oct. 20.
Valve grinding machine. H. J. Criner. 1,826,653; Oct. 6.
Valve grinding refacing and reseating device. L. A. Prestek. 1.829,059; Oct. 27.
Valve guide, Toilet flush. R. E. Dodson. 1,803,603; May 5.
Valve handle. H. W. A. Lehnert. 1,823,496; Sept. 15.
Valve handle. W. B. Ross. 1,829.371; Oct. 27.
Valvehead, Tire-filling. A. A. Ewald. 1,789,306; Jan. 20.
Valve, Heat responsive shut-off. J. P. Ryann. 1,834,645; Dec. 1.
Valve, High pressure inverted plug. F. H. Mueller. 1,832,725; Nov. 17.
Valve, High pressure relief. S. P. Thomas. 1,804,897; May 12.

Valve, Hot. T. W. Stone. 1,829,768; Nov. 3.
Valve housing. G. C. Davis. 1,806,791; May 26.
Valve, Hydraulic. H. Ernst. 1,820,653; Aug. 25.
Valve in head double action bell ringer for locomotive engines. G. W. Gill. 1,817,032; Aug. 4.
Valve, Inlet unloader. C. W. Metzgar. 1,793,000; Feb. 17.
Valve inside. J. C. Crowley. 1,829,556; Oct. 27.
Valve inside. J. Volckhausen. 1,819,852; Aug. 18.
Valve insides. J. C. Crowley. 1,795,077; Mar. 3.
Valve, Interchangeable tire. G. G. Cooke and M. E. Dayton. 1,819,872; Aug. 18.
Valve, Irrigation-gate. H. H. Schmidt. 1,789,500; Jan. 20.
Valve key. P. Tura. 1,825,562; Sept. 29.
Valve, Lapping. J. O. Carrey. 1,839,085; Dec. 29.
Valve lifter. O. Blomberg. 1,792,567; Feb. 17.
Valve lifter. J. S. Frye. 1,791,961; Feb. 10.
Valve lifter. W. J. Pearmain and J. S. Allan. 1,808,064; June 2.
Valve lifter. N. Peterson. 1,836,334; Dec. 15.
Valve lifter. J. Sunnen. 1,792,451; Feb. 10.
Valve lifter, Compressor-. C. S. Baker. 1,800,242; Apr. 14.
Valve lifting and timing device for internal combustion engines. F. W. Marxen. 1,816,019; July 28.
Valve, Light. S. Bloomenthal. 1,802,699; Apr. 28.
Valve, Light. S. Bloomenthal, and B. Adler. 1,834,044; Dec. 1.
Valve, Light. P. T. Farnsworth. 1,806,935; May 26.
Valve, Light. R. J. Sherman. 1,836,558; Dec. 15.
Valve, Light. H. Thirring. 1,791,389; Feb. 3.
Valve, Liquid dispensing. T. L. Titus. 1,805,790; May 19.
Valve, Liquid-relief. G. Campbell. 1,789,541; Jan. 20.
Valve, Loaded check. R. Winters. 1,795,749; Mar. 10.
Valve lock. C. A. Fingal. 1,788,233; Jan. 6.
Valve lock, Adjustable. H. and A. Frankfort. 1,823,891; Sept. 22.
Valve, Locomotive. P. Pascale. 1,822,171; Sept. 8.
Valve, Locomotive stop. F. Benger. 1,794,830; Mar. 3.
Valve, Lubricated. F. E. Riley. 1,798,498; Mar. 31.
Valve lubricator, Automatic. S. G. Ling. 1,806,999; May 26.
Valve, Magnetically operated. L. C. Frank. 1,819,461; Aug. 18.
Valve, Making a. R. Jardine. 1,823,454; Sept. 15.
Valve-making machine. L. C. Broecker. 1,794,143; Feb. 24.
Valve means for hydrocarbon motors, Injection. C. D. Salisbury. 1,811,596; June 23.
Valve means for hydrocarbon motors, Injection. C. D. Salisbury. 1,836,188; Dec. 15.
Valve means, Injection. A. Winton. 1,811,601; June 23.
Valve, Measuring. W. K. Hawks. 1,838,396; Dec. 29.
Valve, Measuring. H. C. Lyons. 1,818,230; Aug. 11.
Valve mechanism. A. E. Armstrong. 1,787,465; Jan. 6.
Valve mechanism. R. E. Bletcher and E. H. Bucknell. 1,807,081; May 26.
Valve mechanism. J. J. Boland. 1,802,330; Apr. 28.
Valve mechanism. L. W. Browne. 1,796,558; Mar. 17.
Valve mechanism. L. J. Clapp. 1,834,588; Dec. 1.
Valve mechanism. F. D. Holdsworth, 1,834,589–90; Dec. 1.
Valve mechanism. A. Kinzbach. 1,803,905; May 5.
Valve mechanism. J. Le Valley. 1,831,601; Nov. 10.
Valve mechanism. O. J. Parks. 1,810,621; June 16.
Valve mechanism. W. E. Shew. 1,823,918; Sept. 22.
Valve mechanism. R. Showmin. 1,798,040; Mar. 24.
Valve mechanism. C. J. Smith. 1,826,097; Oct. 6.
Valve mechanism. C. W. Stevens. Re18,244; Nov. 3.
Valve mechanism. W. S. Valmore. 1,804,721; May 12.
Valve mechanism. W. S. Valmore. 1,826,158; Oct. 6.
Valve mechanism, Balanced. J. D. Nixon. 1,836,184; Dec. 15.
Valve mechanism, Brine retaining and discharge. V. Schulis. 1,824,175; Sept. 22.
Valve mechanism, Compressor-. N. A. Christensen. 1,796,440; Mar. 17.
Valve mechanism for automatic train pipe couplings. T. H. Thomas and U. A. Whitaker. 1,824,060; Sept. 22.
Valve mechanism for compressors. E. D. Dunning. 1,807,029; May 26.
Valve mechanism for fluid compressors. W. H. Riley. 1,799,704; Apr. 7.
Valve mechanism for fluid pressure tools. G. M. Nell. 1,805,921; May 19.
Valve mechanism for gas furnaces, Control. G. A. Tuck. 1,820,510; Aug. 25.
Valve mechanism for liquid-dispensing systems, Sealed. A. T. Wakefield. 1,788,786; Jan. 13.
Valve mechanism for liquid-lifting apparatus, Controlling-. W. R. Polson and H. C. Evans. 1,787,916; Jan. 6.
Valve mechanism for power actuators, Poppet. C. S. Bragg and V. W. Kliesrath. 1,826,415; Oct. 6.
Valve mechanism for proctotherapy apparatus. O. B. Schellberg. 1,815,449; July 21.
Valve mechanism for rock drills. F. M. Slater. 1,810,988; June 23.
Valve mechanism for rock drills. W. A. Smith, jr. 1,808,482; June 2.
Valve mechanism for vacuum brake systems, Controlling C. S. Bragg and V. W. Kliesrath. 1,809,015; June 9.
Valve mechanism, Hydraulic. L. W. Handwerker. 1,792,836; Feb. 17.
Valve mechanism, Mixing and measuring. C. F. Noftzger and N. L. Etten. 1,800,314; Apr. 14.
Valve mechanism oil jacket. C. Coulombe. 1,805,807; May 19.
Valve mechanism, Outlet. O. J. Parks. 1,810,620; June 16.
Valve mechanism, Pressure-operated. H. E. Platt. 1,797,618; Mar. 24.
Valve mechanism, Temperature-control-. F. W. Jaeger. 1,795,860; Mar. 10.
Valve mechanism, Thermostatic. O. J. Kuenhold. 1,812,346; June 30.
Valve mechanism, Train-pipe-coupling. U. A. Whitaker. 1,790,186; Jan. 27.
Valve, Metering. F. G. Eckstine. 1,805,733; May 19.
Valve, Mixing. H. Chartrand. 1,834,680; Dec. 1.
Valve, Mixing. F. C. Leonard. 1,807,040; May 26.
Valve motion mechanism for internal combustion engines. A. V. Da Costa. 1,810,465; June 16.
Valve motor. C. A. Otto. 1,805,342; May 12.
Valve, Motor-valve-tester check. J. B. Fleming. 1,795,333; Mar. 10.
Valve, Multiple control. E. Dugan. 1,814,907; July 14.
Valve, Multiple port. J. C. Brown and H. W. Bohrman. 1,814,121; July 14.
Valve, Multiway sludge. M. Eule. 1,791,923; Feb. 10.
Valve, Noncorroding. C. F. H. Bohnhardt and B. F. Bohnhardt. 1,803,889; May 5.
Valve, Non-vibrating relief. F. H. Hopkins. 1,807,594; June 2.
Valve, Nozzle. F. R. Simpson. 1,823,311; Sept. 15.
Valve of internal combustion engines, Feed. W. S. Burn. 1,805,358; May 12.
Valve of radiators, Thermostatic modulating steam-inlet. E. S. Halsey. 1,794,611; Mar. 3.
Valve, Oil. J. D. Killian. 1,811,794; June 23.
Valve, Oil. C. Wilhjelm. 1,810,331; June 16.
Valve, Open flow bailer. F. B. Alldredge. 1,833,701; Nov. 24.
Valve-operating device. H. D. Lathrop. 1,800,648; Apr. 14.
Valve-operating device. L. Oweger and G. Schoettinger. 1,788,586; Jan. 13.
Valve operating handle. W. B. Ross. 1,825,364; Sept. 29.
Valve operating in the direction of normal flow, Check. W. Georg. 1,788,358; Jan. 6.
Valve operating mechanism. N. T. Brandhe. 1,832,090; Nov. 17.
Valve-operating mechanism. G. Cavin. 1,794,834; Mar. 3.
Valve operating mechanism. H. L. Colby. 1,834,048; Dec. 1.
Valve-operating mechanism. J. N. Perkins. 1,790,998–9; Feb. 3.
Valve operating mechanism. J. L. Ray. 1,833,533; Nov. 24.
Valve operating mechanism. E. A. Rockwell. 1,806,220; May 19.
Valve operating mechanism. A. S. Wise. 1,820,686; Aug. 25.
Valve operating mechanism, Emergency. V. E. Pierret. 1,825,124; Sept. 29.
Valve operating mechanism for flushing tanks, Outlet. A. F. Curtain. 1,811,878; June 30.
Valve operating mechanism for tanks. R. D. George. 1,823,935; Sept. 22.
Valve operating mechanism, Mounting means for. W. W. Mohr. 1,831,187; Nov. 10.
Valve operating mechanism of internal combustion engines. J. and H. S. Gardner. 1,805,578; May 19.
Valve operating mechanism, Throttle. J. G. Blunt and R. W. Clifford. 1,814,074; July 14.
Valve operating mechanism, Throttle. A. W. Bruce. 1,827,189; Oct. 13.
Valve operating shaft, Sleeve. F. A. Van Bezel. 1,811,768; June 23.
Valve or cock for high pressures. R. C. Croslen. 1,835,379; Dec. 8.
Valve, Organ. L. A. Woodward. 1,827,864; Oct. 20.
Valve, Overflow and waste. W. J. Woolley. 1,793,534; Feb. 24.
Valve, Packless. L. H. Cain. 1,809,773; June 9.
Valve, Packless. J. H. Cheetham. 1,810,202; June 16.
Valve, Pilot controlled piston operated. W. W. Carson, jr. 1,826,343; Oct. 6.
Valve, Pilot-valve-steered slide. E. Torre. 1,792,665; Feb. 17.
Valve, Pin control regulating. R. C. Hopkins. 1,801,959; Apr. 21.
Valve, Piston. W. E. Goldsborough. 1,813,846; July 7.
Valve, Plug. J. C. Martin, jr. 1,802,309; Apr. 21.
Valve, Plug. P. O. Vandeveer. 1,793,655; Feb. 24.
Valve, Pneumatic dispatch control. J. J. Stoetzel. 1,825,618; Sept. 29.
Valve, Poppet. H. Glaenzer. 1,814,913; July 14.
Valve, Pressure controlled. J. Le Valley. 1,806,301; May 19.
Valve, Pressure-controlling. R. A. Brooks. 1,799,211; Apr. 7.
Valve, Pressure-equalizing. H. F. Rodler. 1,798,631; Mar. 31.
Valve, Pressure gauging Tire. F. G. Arnold. 1,806,380; May 19.
Valve, Pressure indicating tire. E. A. Rockwell. 1,825,160; Sept. 29.

Valve, Pressure operated. O. J. Ostlind. 1,826,088; Oct. 6.
Valve, Pressure operated sand blast. G. A. Boesger. 1,814,616; July 14.
Valve, Pressure reducing. J. C. White. 1,837,001; Dec. 15.
Valve, Pressure reducing and regulating. F. Dashwood. 1,795,201; Mar. 3.
Valve, Pressure regulating. H. M. Blinn. 1,807,564; May 26.
Valve, Pressure regulating. O. G. Goldman. 1,803,697; May 5.
Valve, Pressure regulating. G. A. Ricker. 1,825,637; Sept. 29.
Valve, Pressure-regulating. H. W. Taylor. 1,793,292; Feb. 17.
Valve, Pressure relief. E. W. N. Boosey. 1,815,394; July 21.
Valve, Pressure-relief. L. N. McClelland, P. A. Kinzie, J. L. Savage, and C. M. Day. 1,795,662; Mar. 10.
Valve, Pressure-relief. H. A. Thrush. 1,800,185; Apr. 7.
Valve, Proportioning. G. F. Naab. 1,812,015; June 30.
Valve protector. H. Wayer. 1,833,924; Dec. 1.
Valve, Pump. E. E. Greve. 1,796,252; Mar. 10.
Valve, Pump-manifold. E. M. Beebe. 1,795,386; Mar. 10.
Valve, Quick opening. G. J. Belknap. 1,804,586; May 12.
Valve, Quick release. B. Pratt. 1,810,292; June 16.
Valve, Radiator. P. F. Shivers. Des. 85,552; Nov. 10.
Valve, Raw gas. J. F. Rogers. 1,838,706; Dec. 29.
Valve, Reducing. H. J. Mastenbrook. 1,805,702; May 19.
Valve, Regulating. W. Kieser. 1,835,652; Dec. 8.
Valve, Regulating. R. F. Ringle. 1,797,297; Mar. 24.
Valve, Regulating. P. Spence. 1,814,530; July 14.
Valve-regulating apparatus. J. Hackethal. 1,793,228; Feb. 17.
Valve, Relief. J. Meinken. 1,800,463; Apr. 14.
Valve, Relief. J. Meinken and E. E. Johnson. 1,821,189; Sept. 1.
Valve, Relief. P. D. Shoenberger. 1,794,989; Mar. 3.
Valve, Relief. H. G. Wolfe and J. A. Freiday. 1,837,007; Dec. 15.
Valve, Reservoir release. J. C. McCune. 1,816,088; July 28.
Valve, Room temperature regulating air. E. S. Halsey. 1,801,740; Apr. 21.
Valve, Room temperature regulating air. E. S. Halsey. 1,832,385, Nov. 17.
Valve, Rotary. E. W. Griffith. 1,806,016; May 19.
Valve, Rotary. P. Kamper. 1,791,414; Feb. 3.
Valve, Rotary. L. J. Roche. 1,808,936; June 9.
Valve, Rotary. A. Schmidt and E. Haselhorst. 1,803,773; May 5.
Valve, Rotary distribution. C. Luyckx. 1,808,671; June 2.
Valve, Rotary engine. R. S. Davis. 1,826,461; Oct. 6.
Valve, Rotary slide. W. Spieser. 1,824,511; Sept. 22.
Valve, Safety. W. Hargreaves. 1,823,651; Sept. 15.
Valve, Safety. W. N. Jones. 1,837,970; Dec. 22.
Valve, Safety. A. E. Smith. 1,836,343; Dec. 15.
Valve, Safety. G. H. Stevens. 1,820,403; Aug. 25.
Valve, Safety casing. C. J. Muller. 1,802,732; Apr. 28.
Valve, Safety gas. W. D. Antrim. 1,822,794; Sept. 8.
Valve, Safety gas. L. Kreutzkamp. 1,796,998; Mar. 17.
Valve, Safety relief. H. B. Morrill. 1,804,060; May 5.
Valve, Sealable foot. F. I. Getty. 1,810,420; June 16.
Valve seat. F. E. Smith. 1,822,754; Sept. 8.
Valve seat. J. A. Weiger. 1,822,682; Sept. 8.
Valve seat lapping machine. A. E. Riggs. 1,806,918; May 26.
Valve, Seat operated flush. W. H. Cadwell and J. Ott. 1,803,958; May 5.
Valve-seat puller. G. E. Holder. 1,788,461; Jan. 13.
Valve seat reamer. 1,827,510; Oct. 13.
Valve-seat-truing device. J. J. Mahoney. 1,796,208; Mar. 10.
Valve, Seatless blow-off. D. R. Yarnall. 1,833,629; Nov. 24.
Valve seats in position, Forming and securing. A. H. Leipert. 1,795,433; Mar. 10.
Valve seats, Replacing. W. S. Penfield. 1,837,334; Dec. 22.
Valve, Self-closing drum filling. F. Martin. 1,810,366; June 16.
Valve, Self-packing. C. A. Olson. 1,822,666; Sept. 8.
Valve, Sewer-backwater safety. G. Hizsa. 1,792,091; Feb. 10.
Valve, Signal. F. N. Kelsey. 1,833,218; Nov. 24.
Valve, Sleeve. A. M. Niven. 1,814,765; July 14.
Valve sleeve, Engine. H. J. Edwards. 1,809,585; June 9
Valve, Sliding. E. P. Reynolds. 1,808,715; June 2.
Valve, Slow-operating. F. L. Scott. 1,790,769; Feb. 3.
Valve, Slush pump. A. L. Goldsberry. 1,836,068; Dec. 15.
Valve, Snap action gas. P. F. Shivers. 1,835,974; Dec. 8.
Valve, Soap. A. R. Golrick. 1,838,140; Dec. 29.
Valve spring. B. Cataline and E. C. Richard. 1,815,612; July 21.
Valve-spring-compressing mechanism. O. D. McLeod. 1,788,581; Jan. 13.
Valve spring compressor and replacer. J. E. Wainwright. 1,826,908; Oct. 13.
Valve-spring connection. D. F. Asbury. 1,789,209; Jan. 13.
Valve spring lifter. H. W. Kulp and M. C. Dellinger. 1,815,980; July 28.
Valve, Steam. W. W. Carson, jr. 1,806,447; May 19.
Valve, Steam engine. R. Wintzer. 1,820,588; Aug. 25.
Valve stem. J. C. Crowley. 1,819,150; Aug. 18.
Valve stem. H. A. King. 1,810,020; June 16.
Valve stem collars, Forming. G. A. Toaz. 1,823,009; Sept. 15.
Valve stem guide. W. P. Lowther. 1,826,148; Oct. 6.
Valve-stem guide and bushing, Air-cooled. W. H. Bice. 1,793,581; Feb. 24.
Valve stem, Interchangeable. J. C. Crowley. 1,819,151; Aug. 18.
Valve stem split lock catcher. I. J. Clark. 1,807,509; May 26.
Valve stem straightening fixture. J. R. Ricketts. 1,836,041; Dec. 15.
Valve stems, Making. 1,792,619; Feb. 17.
Valve, Stop. K. Karnath. 1,790,009; Jan. 27.
Valve, Strainer. M. J. Kullander. 1,803,477; May 5.
Valve structure. L. Campbell, jr. 1,802,002; Apr. 21.
Valve structure. A. Congellier. 1,790,462; Jan. 27.
Valve structure. L. A. Cornelius. 1,830,734; Nov. 3.
Valve structure. A. K. Fischer. 1,802,971; Apr. 28.
Valve structure. P. D. Hushour. 1,824,434; Sept. 22.
Valve structure. A. C. and W. H. McIntyre. 1,805,777; May 19.
Valve structure. N. P. Minster. 1,829,666; Oct. 27.
Valve structure. N. L. Mochel. 1,814,762; July 14.
Valve structure. R. E. Newell. 1,790,353; Jan. 27.
Valve structure. R. E. Newell. 1,794,531; Mar. 3.
Valve structure. E. R. Wharton. 1,837,804; Dec. 22.
Valve structure. C. F. Wray. 1,825,568; Sept. 29.
Valve structure. C. F. Wray. 1,833,193; Nov. 24.
Valve structure, Check. F. Yardley. 1,811,166; June 23.
Valve structure, Check. F. Yardley. 1,828,697; Oct. 20.
Valve structure for wind instruments, Piston. A. J. Johnson. 1,821,641; Sept. 1.
Valve structure, Gas-. C. H. Morrow. 1,788,537; Jan. 13.
Valve structure, Gate. H. B. Redding. 1,825,544; Sept. 29.
Valve superstructure. S. W. Sparks. 1,788,000; Jan. 6.
Valve, Supply and relief. C. F. Heywood. 1,799,587; Apr. 7.
Valve, Swivel. D. Gologan. 1,793,479; Feb. 24.
Valve system and controller, Tank truck emergency. J. H. McEachern. 1,801,750; Apr. 21.
Valve system for internal combustion engines. G. C. Buck. 1,829,581; Oct. 27.
Valve, Tamperproof. W. C. Credle. 1,795,839; Mar. 10.
Valve, Tank. C. F. Brown. 1,803,423; May 5.
Valve, Tank-flushing. J. C. Owens. 1,794,640; Mar. 3.
Valve tappet and forming the same. W. C. Osterholm. 1,805,255; May 12.
Valve, Telemotor operated liquid discharge and admission. J. Wardle. 1,813,976; July 14.
Valve, Temperature compensated. M. Birkigt. 1,823,781; Sept. 15.
Valve, Temperature-controlled. W. B. Clifford. 1,792,891; Feb. 17.
Valve tester, Compression air. F. N. Henkel. 1,807,287; May 26.
Valve, Thermoelectric control. L. M. Persons. 1,826,151; Oct. 6.
Valve, Thermo-electric control. L. M. Persons. 1,831,464; Nov. 10.
Valve, Thermostatic. J. T. Huntington. 1,815,356; July 21.
Valve, Thermostatic. E. J. Levy. 1,806,072; May 19.
Valve, Thermostatic. E. J. Levy. 1,822,863; Sept. 8.
Valve, Thermostatic. G. P. Liaset. 1,820,145; Aug. 25.
Valve, Thermostatic control. J. H. Kolts. 1,828,501; Oct. 20.
Valve, Thermostatic cut-off. L. D. Lovekin. 1,835,413; Dec. 8.
Valve, Thermostatic mixing. J. J. Lawler. 1,788,112; Jan. 6.
Valve, Thermostatic mixing. J. J. Lawler. 1,801,094; Apr. 14.
Valve, Thermostatically controlled. C. E. Daniel. 1,802,200; Apr. 21.
Valve, Thermostatically-controlled reducing. C. A. Dunham. 1,792,213; Feb. 10.
Valve, Thermostatically operative. J. W. Winter. 1,819,993; Aug. 18.
Valve, Throttle. J. H. Doran. 1,797,054; Mar. 17.
Valve, Throttle. J. N. Holden and O. N. Nichols. 1,802,897; Apr. 28.
Valve, Throttle. N. T. McKee. 1,801,441; Apr. 21.
Valve, Time-limit. F. L. Scott. 1,790,770; Feb. 3.
Valve, Tire. H. Hutchinson. 1,822,592; Sept. 8.
Valve, Tire gauge. J. Collins. 1,820,120; Aug. 25.
Valve, Tire-inflation-control. J. W. Williams. 1,791,018; Feb. 3.
Valve to control high temperature high pressure fluids. W. E. Goldsborough. 1,812,870; July 7.
Valve, Toilet flush. R. H. Marchant and A. E. Jurs. 1,814,396; July 14.
Valve, Transfer. A. N. Pasman. 1,809,567; June 9.
Valve transmitter arrangement. W. Kummerer. 1,809,630; June 9.
Valve, Transport. H. T. Melling. 1,789,340; Jan. 20.
Valve, Treadle-operated dispensing. B. W. Seidel. 1,794,484; Mar. 3.
Valve, Tubing check. A. B. Von Linde. 1,793,572; Feb. 24.
Valve, Two way. C. S. Crickmer. 1,807,085; May 26.

Valve unit. C. N. Hickman. 1,800,796; Apr. 14.
Valve unit for player pianos. W. A. Watson. 1,820,037; Aug. 25.
Valve, Universal control. P. R. Forman. 1,818,703; Aug. 11.
Valve, Unloading. T. E. Crockett. 1,817,127; Aug. 4.
Valve, Unloading. W. Townsend. 1,804,133; May 5.
Valve, Vacuum relief. J. A. Maynard. 1,829,567; Oct. 27.
Valve, Variable-pressure. S. S. McIntyre. 1,791,901; Feb. 10.
Valve, Water closet. W. J. Collison. 1,812,774; June 30.
Valve, Water softener. C. P. Eisenhauer. Re18,098; June 16.
Valve with detachable spout. A. Rosewood. 1,836,133; Dec. 15.
Valve wrench. H. J. Hjorth. 1,807,625; June 2.
Valved coupling. O. J. Herb. 1,838,549; Dec. 29.
Valves and valve controlled means for operating gates. L. B. Schuh and C. J. Bailey. 1,814,608; July 14.
Valves and valve gear for locomotives and other engines. J. Mouchly. 1,824,830; Sept. 29.
Valves. Automatic shut-off device for. C. Markel. 1,831,021; Nov. 10.
Valves, Auxiliary apparatus for tire. W. R. Koyer. 1,812,610; June 30.
Valves, Battery of. J. D. Sartakoff. 1,797,591; Mar. 24.
Valves, Control device for. A. P. E. Cordier. 1,798,973; Mar. 31.
Valves, Down flow device for foot. H. E. Lake. 1,837,780; Dec. 22.
Valves, Guide and stem assembly for poppet. R. H. Daisley. 1,800,340; Apr. 14.
Valves, Guide for flush-tank. R. Wegner. 1,799,770; Apr. 7.
Valves in bags. Method and apparatus for forming. E. T. Thiem. 1,834,189; Dec. 1.
Valves in internal combustion engines, Simultaneously operating the. G. Fornaca. 1,836,111; Dec. 15.
Valves, Lubrication of rotary. J. H. Lehman. 1,792,991; Feb. 17.
Valves, Making composite. R. Jardine. 1,826,549; Oct. 6.
Valves of inner air tubes of pneumatic tires, Opener for the. G. Antanaitis. 1,790,217; Jan. 27.
Valves of triple valves, Method and apparatus for testing and truing emergency. D. M. Miller and G. D. Thomas. 1,823,279; Sept. 15.
Valves, Operating mechanism for. R. W. Mueller. 1,806,305; May 19.
Valves, Operating the sealing element of gate. W. G. Wilson. 1,797,490; Mar. 24.
Valves, Thermostatic control device for. J. J. Lawler. 1,818,071; Aug. 11.
Valvular apparatus. W. J. W. Bruce. 1,793,585; Feb. 24.
Vanadium, Preparation of ductile. J. W. Marden and M. N. Rich. 1,814,720; July 14.
Vane for shock absorbers. E. L. Beecher. 1,815,003; July 14.
Vane formation for rotary elements. L. F. Moody. 1,836,860; Dec. 15.
Vanillin and i-vanillin, Production of. F. Boedecker. 1,812,132; June 30.
Vanity box. L. P. Dickey. 1,815,463; July 21.
Vanity box. W. A. Goertz. 1,797,549; Mar. 24.
Vanity box. W. M. Milne, jr. 1,829,105; Oct. 27.
Vanity box. S. Morrison. 1,836,722; Dec. 15.
Vanity box, Picture displaying. A. Lessing. 1,830,665; Nov. 3.
Vanity case C. Berger. 1,818,454; Aug. 11.
Vanity case. A. Brun. 1,801,762; Apr. 21.
Vanity case. C. N. Coryell. 1,813,147; July 7.
Vanity case. C. N. Coryell. 1,818,793; Aug. 11.
Vanity case. L. Friedberg. 1,828,652; Oct. 20.
Vanity case. A. Hagel. 1,800,624; Apr. 14.
Vanity case. C. Harp. 1,828,863; Oct. 27.
Vanity case. A. McL. Jones. Des. 84,083; May 5.
Vanity case. W. G. Kendall. 1,794,301; Feb. 24.
Vanity case. M. Kline and M. Kaplan. 1,804,563; May 12.
Vanity case. H. Leberman. 1,818,409; Aug. 11.
Vanity case. J. L. McAtree. 1,837,722; Dec. 22.
Vanity case. J. L. McAtree. 1,806,303; May 19.
Vanity case. J. L. McAtree. 1,838,697; Dec. 29.
Vanity case. A. H. Metcalf. 1,798,620; Mar. 31.
Vanity case. A. Mitchell. Des. 85,708; Dec. 8.
Vanity case. A. H. Noble. 1,794,339; Feb. 24.
Vanity case. W. T. Parkin. 1,814,737; July 14.
Vanity case. S. Poranski. 1,818,351; Aug. 11.
Vanity case. H. V. Pretot. 1,804,808; May 12.
Vanity case. I. Rosenhaft and I. Herskowitz. 1,796,963; Mar. 17.
Vanity case. R. W. Wilson and W. T. Parkin. 1,802,858; Apr. 28.
Vanity case and analogous apparatus. R. E. Donnelly and G. S. Jacob. 1,834,053; Dec. 1.
Vanity case and compact plate. W. G. Kendall. 1,835,951; Dec. 8.
Vanity case, Automobile. W. H. Kelley. 1,819,516; Aug. 18.
Vanity case or analogous article. D. H. Zell. Des. 83,141; Jan. 20.
Vanity table, Console. J. Kerr. Des. 83,903–4; Apr. 14.
Vapor arc apparatus. W. J. Winninghoff. 1,831,985–6; Nov. 17.
Vapor chamber. R. T. Pollock. 1,827,106; Oct. 13.
Vapor discharge device. T. E. Foulke. 1,832,009; Nov. 17.
Vapor electric apparatus. D. C. Prince. 1,814,850; July 14.
Vapor electric device. S. Aoki. 1,792,265; Feb. 10.
Vapor electric device. I. Langmuir. 1,836,805; Dec. 15.
Vapor fractionation, Process and apparatus for. D. J. Bergman. 1,803,956; May 5.
Vapor humidifier for internal combustion engines. W. G. Critchlow. Des. 85,514; Nov. 10.
Vapor-liquid column. C. B. Schneible. 1,794,986; Mar. 3.
Vapor mass about the anodes of mercury vapor direct current rectifiers, Arrangement for reducing the. A. Gaudenzi. 1,830,391; Nov. 3.
Vapor mixtures containing acetic anhydride and water, Dehydrating. F. Schleicher, G. Schwaebel, and K. Briesewitz. 1,815,802; July 21.
Vapor mixtures, Method and apparatus for liquefying. G. B. Coubrough. 1,816,212; July 28.
Vapor phase process for alkyl chlorides. P. J. Carlisle. 1,834,089; Dec. 1.
Vapor regulator. W. Parks. 1,794,919; Mar. 3.
Vapor trap. L. Stadelhofer. 1,817,950; Aug. 11.
Vaporizer. I. E. Aske 1,810,384; June 16.
Vaporizer. I. E., W. F., and L. E. Aske. 1,810,383; June 16.
Vaporizer. L. Berry. 1,817,057; Aug. 4.
Vaporizer. F. F. Chase. 1,809,375; June 9.
Vaporizer. F. F. Chase. 1,809,438; June 9.
Vaporizer. E. R. Godward. 1,814,686; July 14.
Vaporizer. E. R. Godward. 1,816,430; July 28.
Vaporizer. M. Keim. Des. 84,785; Aug. 4.
Vaporizer. W. C. Koch. 1,815,318; July 21.
Vaporizer. H. Münter. 1,837,986; Dec. 22.
Vaporizer. W. T. Page. 1,836,868; Dec. 15.
Vaporizer. A. F. Porter. 1,802,269; Apr. 21.
Vaporizer. C. F. Rubsam. 1,805,844; May 19.
Vaporizer. L. W. Shipman. 1,821,728; Sept. 1.
Vaporizer and converter, Oil. C. B. Watson and A. E. Harnsberger. 1,818,512; Aug. 11.
Vaporizer and process of vaporization. E. H. Leslie and E. M. Baker. 1,808,419; June 2.
Vaporizer, Double feed fuel. F. F. Brush. 1,834,202; Dec. 1.
Vaporizer, Electric. C. J. Fay. 1,810,650; June 16.
Vaporizer, Electric. H. Weiss. 1,797,457; Mar. 24.
Vaporizer, Electrical. J. Robinson. 1,806,646; May 26.
Vaporizer, Electrical. J. Robinson. 1,819,123; Aug. 18.
Vaporizer, Electrical. J. Robinson. 1,822,456; Sept. 8.
Vaporizer for internal combustion engines. O. Baumgartner. 1,805,304; May 12.
Vaporizer for internal-combustion engines. O. Liebherr. 1,801,096; Apr. 14.
Vaporizer for refrigerating apparatus. F. G. Slagen. 1,832,253; Nov. 17.
Vaporizer for refrigerator systems. F. G. Slagel. 1,805,152; May 12.
Vaporizer, Medicament. E. M. Raetz and J. Eichinger. 1,838,571; Dec. 29.
Vaporizer, Reversible electric. L. F. Bonanno. 1,792,139; Feb. 10.
Vaporizing device. I. Blechman. 1,818,684; Aug. 11.
Vaporizing device for treating asthma. J. D. Gibson. 1,806,453; May 19.
Vapors and liquids, Absorption of. I. N. Beall. 1,824,458; Sept. 22.
Vapors, Apparatus for condensing condensable. O. Einsler and H. Tietz. 1,809,926; June 16.
Vapors, Apparatus for dephlegmating. W. M. Cross. 1,789,670; Jan. 20.
Vapors, Treating and rectifying. P. J. Carlisle. 1,801,412; Apr. 21.
Vapors with solids, Apparatus for contacting. T. T. Gray. 1,823,895; Sept. 22.
Variable flow resistance. H. H. Robinson. 1,805,106; May 12.
Variable load brake. S. L. Williams. 1,797,387–8; Mar. 24.
Variable resistance. E. Reisman. 1,808,790; June 9.
Variable resistance. E. R. Stoekle. 1,824,242; Sept. 22.
Variable resistance device. W. H. Edwards. 1,809,925; June 16.
Variable resistance device. C. L. Weichelt. 1,831,052; Nov. 10.
Variable resistance device, High frequency. A. H. Cooper. 1,838,987; Dec. 29.
Variable speed power transmission mechanism. F. A. Hayes. 1,821,833; Sept. 1.
Varnish and preparing same, Hardenable oil. F. Seebach. 1,816,128; July 28.
Varnish, which principally consists of rosin and tung-oil, Producing insulating. H. Ohta. 1,801,364; Apr. 21.
Varnishing and printing machine for bands. K. Christian. 1,812,514; June 30.
Varnishing preparation. K. Takemura. 1,791,879; Feb. 10.
Vase. J. M. Caughlin and O. P. Ross. 1,812,737; June 30.
Vase. P. H. Meyer. Des. 83,117–20; Jan. 20.
Vase. O. C. Noble. Des. 85,594; Nov. 17.
Vase. J. Wittgren. Des. 83,710; Mar. 17.
Vase. J. Wittgren. Des. 83,783; Mar. 24.
Vase, Display. R. E. McEldowney. 1,801,281; Apr. 21.
Vase, Flower. H. J. Benz. Des. 85,569; Nov. 17.

Vase, Flower. H. A. Foster. 1,823,732; Sept. 15.
Vase, Flower. D. H. Wagner. 1,804,447; May 12.
Vase or analogous article. G. D. Sailer. Des. 84,377; June 9.
Vat. A. Stoelting. 1,801,941; Apr. 21.
Vat dyestuffs of the N-dihydro 1.2.2′:1′. anthraquinone-azine series. H. Neresheimer and W. Schneider. 1,830,852; Nov. 10.
Vat, Mixing. J. R. Kuenemann. 1,833,220; Nov. 24.
Vault. U. Le Doux. 1,792,380; Feb. 10.
Vault and safe construction. J. W. Young. 1,805,610; May 19.
Vault and safe, Gas-protected. J. W. Young, A. Lowy, and R. B. Reynolds. 1,799,207; Apr. 7.
Vault, Burial. F. C. Aufderheide. 1,832,611; Nov. 17.
Vault, Burial. R. L. Barr. 1,828,352; Oct. 20.
Vault, Burial. C. L. Berg. Des. 84,393; June 16.
Vault, Burial. W. C. Broughton. 1,837,402; Dec. 22.
Vault, Burial. T. R. Cookston. 1,800,177; Apr. 7.
Vault, Burial. G. W. Gilleland. 1,788,235; Jan. 6.
Vault, Burial. W. W. Haase. 1,839,149; Dec. 29.
Vault, Burial. T. F. Jeter. 1,796,461; Mar. 17.
Vault, Burial. D. E. Jones. 1,789,954; Jan. 20.
Vault, Burial. W. H. Kruse. 1,792,431; Feb. 10.
Vault, Burial. H. W. Loresch. 1,790,314; Jan. 27.
Vault, Burial. J. Schaeffer. 1,815,526; July 21.
Vault, Burial. R. E. Smith. Des. 84,113; May 5.
Vault, Burial. J. Stoker. 1,791,877; Feb. 10.
Vault, Burial. F. L. Temple. 1,789,119; Jan. 13.
Vault, Burial. H. M. Wells. 1,833,959; Dec. 1.
Vault construction. B. A. Morton. 1,790,508; Jan. 27.
Vault, Guard. W. Goess. 1,799,970; Apr. 7.
Vault or article of similar nature, Burial. M. F. Davoran. Des. 83,429; Feb. 24.
Vault-protecting device. A. S. Ailes. 1,791,995; Feb. 10.
Vault protection. J. C. Miller, jr. 1,788,120; Jan. 6.
Vault-protective device. A. S. Ailes. 1,797,747; Mar. 24.
Vault-protective device. J. C. Miller. 1,797,785; Mar. 24.
Vault structure, Grave-. I. L. Foster. 1,799,586; Apr. 7.
Vault ventilator. O. B. McClintock, S. R. Poppe, and E. C. Hanson. 1,810,184; June 16.
Vault ventilator. R. R. West. 1,796,676; Mar. 17.
Vaults, Communicating and ventilating device for. C. J. Goebel and C. Bartels. 1,833,744; Nov. 24.
Vector quantities, Method of and apparatus for integrating. R. C. Lanphier and F. C. Holtz. 1,790,052; Jan. 27.
Vegetable and fruit chopper. E. Massa. 1,830,284; Nov. 3.
Vegetable and root shredder. F. M. Dosch. 1,802,203; Apr. 21.
Vegetable cutter. C. Matthias. 1,789,012; Jan. 13.
Vegetable cutter. F. Pahlow. 1,808,933; June 9.
Vegetable fiber and the like, Cleaning. G. Knowles. 1,797,507; Mar. 24.
Vegetable fibers of osmotic diaphragms, Treatment of. L. Cerini. 1,815,761; July 21.
Vegetable fibers, Preparation of. D. W. Dron. 1,805,166; May 12.
Vegetable fibers, Treating. T. P. Haughey. 1,814,155; July 14.
Vegetable fibrous material, Bucking process for. G. Ullmann. 1,787,880; Jan. 6.
Vegetable pan. A. E. Dovre. 1,801,194; Apr. 14.
Vegetable-snipping machine. J. L. Fuhremann. 1,794,009; Feb. 24.
Vegetables and fruit, Growing. T. H. Shope. 1,825,099; Sept. 29.
Vegetables and fruits, Apparatus for washing. G. E. Stocking. 1,806,957; May 26.
Vegetation chopper. J. K. Millen. 1,791,063; Feb. 3.
Vegetation-preserving device. G. R. Bush. 1,790,259; Jan. 27.
Vegetation, Stimulating. J. N. McCoy. 1,835,888; Dec. 8.
Vehicle. K. F. Adamson. 1,802,366; Apr. 28.
Vehicle. D. E. Austin. Des. 84,391; June 16.
Vehicle. D. E. Austin. Des. 85,273; Oct. 6.
Vehicle. S. Barbarino. 1,839,189; Dec. 29.
Vehicle. G. H. Cook. 1,817,478; Aug. 4.
Vehicle. R. de Filippis. 1,808,766; June 9.
Vehicle. J. E. Dunlap. 1,806,337; May 19.
Vehicle. A. R. Grigsby. 1,794,170; Feb. 24.
Vehicle. J. Holan. 1,799,233; Apr. 7.
Vehicle. H. A. Knox. 1,805,771; May 19.
Vehicle. J. Kuchar. 1,838,412; Dec. 29.
Vehicle. H. F. M. Matthews. 1,837,278; Dec. 22.
Vehicle. C. E. Musslewhite. 1,821,395; Sept. 1.
Vehicle. L. L. Patterson. 1,803,866; May 5.
Vehicle. S. M. Wagen. 1,800,123; Apr. 7.
Vehicle. H. C. Wasson. 1,800,236; Apr. 14.
Vehicle. M. S. Wolfe. 1,801,405; Apr. 21.
Vehicle. E. R. Young. 1,817,220; Aug. 4.
Vehicle accessory, Juvenile. C. D. Thompson. 1,818,568; Aug. 11.
Vehicle aligning, elevating, and storing means. J. C. Bonner. 1,793,901; Feb. 24.
Vehicle, Amusement. R. J. Lusse. 1,833,844; Nov. 24.
Vehicle and mower, Combination. E. M. Koelling, M. Riek, and A. Tiffany. 1,834,523; Dec. 1.
Vehicle and tailboard construction. F. O. Black. 1,812,580; June 30.
Vehicle and trailer brake. G. I. Rawson and B. H. Jackson. 1,824,296; Sept. 22.
Vehicle, Aquatic. J. G. Dorrance. 1,836,793; Dec. 15.
Vehicle, Aquatic. J. Rehbock. 1,833,912; Dec. 1.
Vehicle arm or prop. G. E. Wheeler and C. Oppe. 1,804,728; May 12.
Vehicle, Articulated self-propelled railway. R. M. Dilworth. 1,797,548; Mar. 24.
Vehicle attachment, Convertible-. F. W. Schreeder. 1,798,635; Mar. 31.
Vehicle attachment, Motor. J. H. Gray. 1,815,772–3; July 21.
Vehicle, Automobile carrying. F. M. Reid. 1,824,370; Sept. 22.
Vehicle, Automotive. F. Turzicky. 1,815,339; July 21.
Vehicle bodies, Constructing and straightening. I. Danzig. 1,788,151; Jan. 6.
Vehicle bodies, Cowl construction for. J. Ledwinka. 1,816,333; July 28.
Vehicle bodies, Front end construction for. A. P. Ball. 1,830,081; Nov. 3.
Vehicle bodies, Front post construction for. J. P. Tarbox. 1,820,036; Aug. 25.
Vehicle body. J. L. Brownell. 1,817,125; Aug. 4.
Vehicle body. O. S. Caesar. 1,795,106; Mar. 3.
Vehicle body. R. L. Carr. 1,826,922; Oct. 13.
Vehicle body. O. H. Clark. Des. 83,149; Jan. 27.
Vehicle body. H. F. Cooper. 1,802,876; Apr. 28.
Vehicle body. J. A. A. de Viscaya. 1,806,523; May 19.
Vehicle body. H. B. Hallock. 1,791,409; Feb. 3.
Vehicle body. R. Hottel. 1,835,049; Dec. 8.
Vehicle body. A. G. Kerr and D. Merchant. 1,805,489; May 19.
Vehicle body. F. J. Kubler. 1,827,394; Oct. 13.
Vehicle body. A. J. Slade. 1,814,640; July 14.
Vehicle body. C. E. Smith. 1,791,643; Feb. 10.
Vehicle body. J. P. Tarbox. 1,820,099; Aug. 25.
Vehicle body. S. L. Taylor. 1,837,596; Dec. 22.
Vehicle body. C. H. Widman. Des. 85,219; Sept. 22.
Vehicle, Body construction. A. P. Ball. 1,821,957; Sept. 8.
Vehicle body construction. E. L. Bare. 1,828,017; Oct. 20.
Vehicle body construction. M. Gale. 1,803,668; May 5.
Vehicle body construction. I. T. Gilliam. 1,809,031; June 9.
Vehicle body construction. F. J. Kubler. 1,827,395; Oct. 13.
Vehicle body construction. J. Ledwinka. 1,808,960; June 9.
Vehicle body construction. J. Ledwinka. 1,834,529; Dec. 1.
Vehicle body construction. J. Ledwinka. 1,838,853; Dec. 29.
Vehicle body construction. G. K. Lewis. 1,829,527; Oct. 27.
Vehicle body construction. L. A. McDowell and O. F. Graebner. 1,823,156; Sept. 15.
Vehicle body construction. M. W. Moesta. 1,818,734; Aug. 11.
Vehicle body construction. A. E. Northup. 1,829,052; Oct. 27.
Vehicle body construction. E. J. Stahl. 1,836,514; Dec. 15.
Vehicle body construction, Pressed metal. J. Ledwinka. 1,834,527; Dec. 1.
Vehicle body, Metal. J. Ledwinka. 1,797,989; Mar. 24.
Vehicle body, Pressed-metal. J. Ledwinka. 1,798,545; Mar. 31.
Vehicle body, Pressed metal. J. Ledwinka. 1,807,316; May 26.
Vehicle body, Pressed metal. J. Ledwinka. 1,808,560–1; June 2.
Vehicle body, Pressed metal. J. Ledwinka. 1,826,426; Oct. 6.
Vehicle body, Pressed metal. J. Ledwinka. 1,834,526; Dec. 1.
Vehicle body trunk. H. D. McMurray. 1,815,656; July 21.
Vehicle body wall construction. J. P. Tarbox. 1,826,440; Oct. 6.
Vehicle, Bonnet and scuttle for motor. A. Riley. 1,794,323; Feb. 24.
Vehicle brake. A. B. Cadman. 1,820,650; Aug. 25.
Vehicle brake. N. A. Christensen. 1,823,589; Sept. 15.
Vehicle brake. R. A. Creber. 1,809,111; June 9.
Vehicle brake. E. E. Enos. 1,827,976; Oct. 20.
Vehicle brake. R. R. Keith, J. A. Bundy, and J. Selzer. 1,790,099; Jan. 27.
Vehicle brake. N. F. Kempel. 1,836,327; Dec. 15.
Vehicle brake. A. Khezarjian. 1,824,552; Sept. 22.
Vehicle brake. W. F. Kilker. 1,821,550; Sept. 1.
Vehicle brake. V. Link. 1,809,082; June 16.
Vehicle brake. V. Link. 1,810,022; June 16.
Vehicle brake. A. C. Mathiesen. 1,801,818; Apr. 21.
Vehicle brake. H. A. Monteith. 1,801,522; Apr. 21.
Vehicle brake. M. B. Morgan. 1,828,061; Oct. 20.
Vehicle brake. G. W. Rigby. 1,808,819; June 9.
Vehicle brake. A. P. Warner and A. B. Cadman. 1,837,384; Dec. 22.
Vehicle brake, Motor. F. C. Lamb. 1,827,720; Oct. 13.
Vehicle braking. J. S. Reynolds. 1,826,824; Oct. 13.
Vehicle braking mechanism, Bumper-operated. J. W. Safman. 1,799,647; Apr. 7.
Vehicle, Childs. W. H. Appleby. 1,800,587; Apr. 14.
Vehicle, Child's. B. Boderek. 1,827,350; Oct. 13.
Vehicle, Child's. J. A. Eberle. 1,805,136; May 12.

Vehicle, Child's. D. W. Gill. Des. 84,828; Aug. 11.
Vehicle, Child's. D. W. Gill, M. P. Orr, and F. F. Taylor. 1,793,848; Feb. 24.
Vehicle, Child's. W. E. Gillenwater. 1,823,138; Sept. 15.
Vehicle, Child's. J. Hojnowski. 1,804,832; May 12.
Vehicle, Child's. J. Matushak. 1,788,774; Jan. 13.
Vehicle, Child's. N. Schuster. 1,790,026; Jan. 27.
Vehicle, Child's. A. N. Tebieff. 1,809,740; June 9.
Vehicle, Child's. R. C. Townsend and P. C. Roettinger. 1,791,391; Feb. 3.
Vehicle, Collapsible bow construction for an automotive. F. Humer. 1,826,399; Oct. 6.
Vehicle, Combination day and sleeping passenger. A. E. Hutt. 1,838,765; Dec. 29.
Vehicle, Combination land and water. C. O. Mathieson. 1,823,207; Sept. 15.
Vehicle construction. R. B. Fisher. 1,833,211; Nov. 24.
Vehicle construction. H. Ford. 1,789,971; Jan. 27.
Vehicle construction. S. B. Gould. 1,807,525; May 26.
Vehicle construction and suspension. B. F. Seymour. 1,793,337; Feb. 17.
Vehicle construction, Four wheel drive. H. M. Kingsley. 1,828,841; Oct. 27.
Vehicle construction, Juvenile-. G. O. Johnson. 1,800,888; Apr. 14.
Vehicle construction, Motor. A. C. Hamilton. 1,804,687; May 12.
Vehicle construction, Tank-. W. G. Vogel. 1,791,588; Feb. 10.
Vehicle control apparatus. F. P. Frankford. 1,815,557; July 21.
Vehicle, Convertible. H. S. Goodman and C. Roehri. 1,812,002; June 30.
Vehicle cushioning or shock absorbing device. W. C. Broadwell. 1,819,455; Aug. 18.
Vehicle direction signal. L. O. Lucka and J. W. Easley. 1,827,851; Oct. 20.
Vehicle driving apparatus and system. A. V. Livingston. 1,787,987; Jan. 6.
Vehicle driving wheel. H. J. Pullen. 1,821,901; Sept. 1.
Vehicle, Dump. H. F. Flowers. 1,817,681; Aug. 4.
Vehicle, Dump. C. I. Jones. 1,795,399; Mar. 10.
Vehicle dumping body. C. S. Dewey. 1,792,680; Feb. 17.
Vehicle, Electric power driven. H. C. Jones. 1,831,071; Nov. 10.
Vehicle, Electrically driven road. C. Sacerdoti. 1,838,002; Dec. 22.
Vehicle, Endless track. A. Kégresse. 1,802,656; Apr. 28.
Vehicle, Endless-track. L. Saives. 1,797,797; Mar. 24.
Vehicle, Folding. N. Straussler. Re18,203; Sept. 22.
Vehicle for collecting ashes. A. H. Leipert. 1,815,440; July 21.
Vehicle for highway and railway travel. R. K. Moore. 1,827,898; Oct. 20.
Vehicle for the transport of artillery and especially anti-aerial artillery. U. Pavesi. 1,829,669; Oct. 27.
Vehicle for transporting automobiles or the like. F. M. Reid, P. Schon, and C. M. Eason. 1,824,369; Sept. 22.
Vehicle, Foot-propelled. W. R. Benjamin. 1,799,947; Apr. 7.
Vehicle frame. W. P. Strong. 1,809,606; June 9.
Vehicle frame construction. R. M. Lovejoy 1,817,633; Aug. 4.
Vehicle front end construction, Motor. J. A. Whitcomb. 1,819,579; Aug. 18.
Vehicle fronts, Combination shell for motor. J. Schulman. 1,838,114; Dec. 29.
Vehicle, Front-wheel-drive motor. R. C. Hoffman. 1,797,578; Mar. 24.
Vehicle, Gravity dump. L. E. Williams. 1,822,684; Sept. 8.
Vehicle having brakes. R. S. Sanford. 1,809,069; June 9.
Vehicle heater. J. R. Oishei. 1,824,921; Sept. 29.
Vehicle heater. A. C. Refagaard. 1,788,742; Jan. 13.
Vehicle heater. R. R. Wagner. 1,809,654; June 9.
Vehicle heater. F. M. Young. 1,825,036; Sept. 29.
Vehicle heater, Automobile. A. J. Mueller. 1,825,884; Oct. 6.
Vehicle heater, Motor. E. Ryder. 1,825,824; Oct. 6.
Vehicle indicator. J. E. Hutchinson and J. R. Young, jr. 1,796,289; Mar. 17.
Vehicle jack. F. Angelillo. 1,805,508; May 19.
Vehicle jack. L. N. Bryant, W. W. East, jr., and M. S. Swain. 1,809,579; June 9.
Vehicle jack. S. W. Phillips. 1,823,286; Sept. 15.
Vehicle jack. H. J. Wickman. 1,826,110; Oct. 6.
Vehicle jack and support mechanism. C. W. Leach and G. M. Bogie. 1,808,172; June 2.
Vehicle, Land. A. P. Armington. 1,822,795; Sept. 8.
Vehicle, Land. W. G. and O. R. Humphreys. 1,834,211; Dec. 1.
Vehicle, Land. L. H. Thoen. 1,822,178; Sept. 8.
Vehicle lift. H. J. Blocki. 1,793,991; Feb 24.
Vehicle lift. C. Boscik. 1,795,072; Mar. 3.
Vehicle, Lift door dump. H. F. Flowers. 1,830,390; Nov. 3.
Vehicle lifting jack. L. C. Stukenborg. 1,803,682; May 5.
Vehicle light. B. L. Bobroff. Des. 83,386; Feb. 17.
Vehicle light. H. F. Kurtz. 1,810,216; June 16.
Vehicle lock, Motor. D Conlan. 1,827,732; Oct. 20.
Vehicle lock, Motor. F. D. Hardesty. 1,805,088; May 12.
Vehicle, Log-transporting. P. A. Wickes and G. Nells. 1,797,064; Mar. 17.
Vehicle, Logging. H. H. Richmond. 1,807,325; May 26.
Vehicle, Mechanically propelled. W. T. Bell and F. J. Bretherton. 1,837,100; Dec. 15.
Vehicle mechanism, Motor. C. E. F. Ahlm and G. L. Elmslie. 1,824,975; Sept. 29.
Vehicle, Motor. H. W. Alden. 1,794,099; Feb. 24.
Vehicle, Motor. H. W. Alden. 1,811,837; June 30.
Vehicle, Motor. A. P. Brush. 1,797,542; Mar. 24.
Vehicle, Motor. A. P. Bucciali. 1,837,106; Dec. 15.
Vehicle, Motor. R. Bussien. 1,794,145; Feb. 24.
Vehicle, Motor. H. E. Curtis. 1,832,188; Nov. 17.
Vehicle, Motor. H. C. Elliott. 1,817,976; Aug. 11.
Vehicle, Motor. F. R. and W. B. Fageol. Des. 84,576; July 7.
Vehicle, Motor. A. C. Hamilton. 1,799,461; Apr. 7.
Vehicle, Motor. C. A. Hawkins. 1,835,112; Dec. 8.
Vehicle, Motor J. O. Heinze. 1,808,109; June 2.
Vehicle, Motor. R. C. Hoffman. 1,797,577; Mar. 24.
Vehicle, Motor. R. C. Hoffman. 1,797,579; Mar. 24.
Vehicle, Motor. A. L. Knapp. 1,812,703; June 30.
Vehicle, Motor. A. L. Knapp. 1,835,163; Dec. 8.
Vehicle, Motor. J. C. M. Massey. 1,827,397; Oct. 13.
Vehicle, Motor. A. R. Meister. 1,795,731; Mar. 10.
Vehicle, Motor. A. Moorhouse. 1,788,732; Jan. 13.
Vehicle, Motor. A. Moorhouse. 1,794,087; Feb. 24.
Vehicle, Motor. A. Moorhouse. 1,798,100; Mar. 24.
Vehicle, Motor. A. Moorhouse. 1,818,001–2; Aug. 11.
Vehicle, Motor. A. Moorhouse. 1,823,694–5; Sept. 15.
Vehicle, Motor. A. Moorhouse. 1,833,401; Nov. 24.
Vehicle, Motor. W. L. Moreland. 1,794,707; Mar. 3.
Vehicle, Motor. L. G. Nicholson. 1,796,339; Mar. 17.
Vehicle, Motor. L. G. Nicholson. 1,835,077; Dec. 8.
Vehicle, Motor. J. B. Reigneron. 1,788,743; Jan. 13.
Vehicle, Motor W. G. Rogers. 1,817,848; Aug. 4.
Vehicle, Motor. G. D. Simonds. 1,804,121; May 5.
Vehicle, Motor. J. T. Sullivan. 1,806,095; May 19.
Vehicle, Motor. G. H. Taber. 1,822,464; Sept. 8.
Vehicle, Motor. M. Tibbetts. 1,823,711; Sept. 15.
Vehicle, Motor. J. G. Vincent. 1,794,095; Feb. 24.
Vehicle, Motor. W. Wheeler. 1,831,983; Nov. 17.
Vehicle, Motor. H. Whitby. 1,790,963; Feb. 3.
Vehicle, Motor driven delivery. G. M. Bacon. 1,831,405; Nov. 10.
Vehicle, Motor road. A. C. Hutt. 1,817,514; Aug. 4.
Vehicle, Occupant-propelled. L. F. Clements. 1,798,571; Mar. 31.
Vehicle on wheels, Water-borne. P. Preiss. 1,837,922; Dec. 22.
Vehicle operated gate. H. Doesken. 1,815,193; July 21.
Vehicle operated gate. A. I. Ralston. 1,798,699; Mar. 31.
Vehicle, Outside door handle or similar article for an automotive. W. Schnell. Des. 83,281; Feb. 10.
Vehicle parking structure. C. F. Alt. 1,808,741; June 9.
Vehicle, Pedal-propelled road. W. Lines. 1,835,229; Dec. 8.
Vehicle, Power driven snow. E. M. Tucker. 1,810,505; June 16.
Vehicle propelling mechanism. J. Holtzman. 1,833,114; Nov. 24.
Vehicle propulsion and steering mechanism. G. E. Barrett. 1,828,638; Oct. 20.
Vehicle, Railroad. C. W. Todd. 1,814,099; July 14.
Vehicle, Railway and other. M. H. Loughridge. 1,834,411; Dec. 1.
Vehicle responsive mechanism. J. E. Bancroft. 1,836,058; Dec. 15.
Vehicle, Road. A. I. Marcum. 1,815,416; July 21.
Vehicle, Road. A. I. Marcum. 1,825,194; Sept. 29.
Vehicle, Road. O. F. Warhus. 1,806,771; May 26.
Vehicle, Road and rail. W. E. Edgcumbe-Rendle. 1,800,009; Apr. 7.
Vehicle saddle. F. Mesinger. 1,803,029; Apr. 28.
Vehicle screen. A. H. Card, jr. 1,827,353; Oct. 13.
Vehicle seat. A. S. Cheston, C. and C. F. Coward. 1,825,713; Oct. 6.
Vehicle seat. M. H. Toncray. 1,812,067; June 30.
Vehicle seat. S. C. Verts. 1,816,802; July 28.
Vehicle seat arm. U. Johannsen. 1,835,947; Dec. 8.
Vehicle seat, Convertible. A. R. Hauber. 1,828,931; Oct. 27.
Vehicle, Self-charging electric. M. Arendt. 1,790,634; Jan. 27.
Vehicle, Self-charging electric. M. Arendt. 1,790,635; Jan. 27.
Vehicle, Self loading. W. S. Howard. 1,833,872; Nov. 24.
Vehicle, Self loading and unloading. D. Craig. 1,796,003; Mar. 10.
Vehicle, Self propelled. E. W. Brandenstein. 1,821,827; Sept. 1.
Vehicle shoe, Pneumatic. C. F. Goodfriend. 1,792,901; Feb. 17.
Vehicle side protector and spring bumper guard, Motor. H. T. Cooke. 1,793,680; Feb. 24.
Vehicle signal. A. S. Emmerson. 1,791,664; Feb. 10.
Vehicle signal. M. Steigel. 1,799,030; Mar. 31.
Vehicle signal. E. B. Thomas. 1,814,233; July 14.
Vehicle signal, Right and left turn. M. J. Doner. 1,815,614; July 21.
Vehicle, Six wheel. G. F. Eckart. 1,837,417; Dec. 22.
Vehicle spring. E. J. Arcand, G. A. Downey, and J. R. Walker. 1,799,880; Apr. 7.
Vehicle spring. C. A. Bluhm. 1,799,082; Mar. 31.
Vehicle spring. O. W. Fry. 1,816,009; July 28.
Vehicle spring. M. P. Hemphill. 1,829,280; Oct. 27.

Vehicle spring. A. L. McKee and W. D. Campbell. 1,788,626; Jan. 13.
Vehicle spring construction. G. Matakovich. 1,811,514; June 23.
Vehicle spring, Overload. A. M. J. and A. A. Pohl. 1,824,295; Sept. 22.
Vehicle stabilizer. J. F. Duby. 1,800,442; Apr. 14.
Vehicle, Steam-motor. J. A. Harris. 1,790,986; Feb. 3.
Vehicle suspension. H. W. Bell. 1,791,520; Feb. 10.
Vehicle suspension. W. Christie. 1,836,446; Dec. 15.
Vehicle suspension. S. L. C. Coleman. Re18,177; Sept. 8.
Vehicle suspension. C. Orsett. 1,824,096; Sept. 22.
Vehicle suspension, Motor. W. D. Harper. 1,807,592; June 2.
Vehicle suspension, Motor. W. G. Hasley. 1,824,205; Sept. 22.
Vehicle, Talking picture. F. H. Owens. 1,813,542; July 7.
Vehicle tank. A. A. Kramer. Des. 83,684; Mar. 17.
Vehicle tank. A. A. Kramer. 1,815,625; July 21.
Vehicle, Tank. J. J. McMahon. 1,797,217; Mar. 17.
Vehicle, Three way dump. H. F. Flowers. 1,831,489; Nov. 10.
Vehicle tongue coupling. H. J. Heider. 1,829,092; Oct. 27.
Vehicle top, Detachable. H. Stacks. 1,828,480; Oct. 20.
Vehicle top operating mechanism. P. Pedersen. 1,805,184; May 12.
Vehicle tops, Apparatus for treating. B. K. Gillespie. 1,827,887; Oct. 20.
Vehicle, Touring and camping road. W. McArthur, jr. 1,796,112; Mar. 10.
Vehicle, tow device. P. L. Holloway. 1,797,470; Mar. 24.
Vehicle towing device. W. J. Geib. 1,814,912; July 14.
Vehicle towing device. F. Hanses. 1,805,822; May 19.
Vehicle, Trailer. C. S. Businga. 1,806,889; May 26.
Vehicle, Trailer. A. B. Cadman. 1,806,191; May 19.
Vehicle, Trailer tank. A. A. Kramer. Des. 85,187; Sept. 22.
Vehicle transport construction. R. B. Simning. 1,826,960; Oct. 13.
Vehicle underframe, Railway. C. F. Frede and E. G. Hallquist. 1,810,558; June 16.
Vehicle, Water. C. De Marchi. 1,804,972; May 12.
Vehicle, Water. P. Galens. 1,794,071; Feb. 24.
Vehicle, Water. F. J. Rash. 1,832,241; Nov. 17.
Vehicle, Water. R. and J. Stamegna. 1,793,973; Feb. 24.
Vehicle, Water. A. Szabo. 1,793,528; Feb. 24.
Vehicle wheel. P. P. Adams. 1,816,351; July 28.
Vehicle wheel. L. G. Bartlett. 1,816,820; Aug. 4.
Vehicle wheel. W. N. Booth. 1,809,231; June 9.
Vehicle wheel. W. N. Booth. 1,816,925; Aug. 4.
Vehicle wheel. W. B. Churcher. 1,797,545; Mar. 24.
Vehicle wheel. J. P. De Cloud. 1,801,664; Apr. 21.
Vehicle wheel. C. G. Fawkes. 1,805,574; May 19.
Vehicle wheel. C. G. Keller. 1,804,937–8; May 12.
Vehicle wheel. C. G. Keller. 1,827,790; Oct. 20.
Vehicle wheel. C. G. Keller. 1,827,791–3; Oct. 20.
Vehicle wheel. E. E. Kellogg and A. T. Smith. 1,834,027; Dec. 1.
Vehicle wheel. G. C. R. Kuiper. 1,826,617; Oct. 6.
Vehicle wheel. L. E. La Brie. 1,828,972; Oct. 27.
Vehicle wheel. F. Longobardi. 1,796,952; Mar. 17.
Vehicle wheel. J. Mayer. 1,832,405; Nov. 17.
Vehicle wheel. E. A. Nelson. 1,807,167; May 26.
Vehicle wheel. A. C. Olson. 1,795,574; Mar. 10.
Vehicle wheel. J. V. Pugh. 1,830,444; Nov. 3.
Vehicle wheel. M. W. Thompson. 1,812,573; June 30.
Vehicle wheel. J. H. Wagenhorst. 1,814,198; July 14.
Vehicle wheel. E. F. Waterbor. 1,797,304; Mar. 24.
Vehicle wheel, Cushioned. G. Vordermark. 1,824,520; Sept. 22.
Vehicle wheel, Nine spoke flat hexagon. P. E. Beutke and B. W. Nelson. Des. 84,318; June 9.
Vehicle wheel, Nine spoke semisquare. P. E. Beutke and B. W. Nelson. Des. 84,321; June 9.
Vehicle wheel, Nine spoke square. P. E. Beutke and B. W. Nelson. Des. 84,320; June 9.
Vehicle wheel, Pneumatic. S. Munson. 1,789,769; Jan. 20.
Vehicle wheel, Reenforced. C. L. Eksergian. 1,834,486; Dec. 1.
Vehicle wheel, Seven spoke flat octagon. P. E. Beutke and B. W. Nelson. Des. 84,319; June 9.
Vehicle wheel, Seven spoke square. P. E. Beutke and B. W. Nelson. Des. 84,322; June 9.
Vehicle wheel supporting and electric conduit means, Combination. E. W. Weathers. 1,796,585; Mar. 17.
Vehicle, Wheeled. S. G. Barnard. 1,830,048; Nov. 3.
Vehicle, Window-regulator handle or similar article for an automotive. E. S. Carlson. Des. 83,247; Feb. 10.
Vehicle with actuated doors, Dump. H. F. Flowers. 1,813,570; July 7.
Vehicle with front wheel drive, Motor. J. S. Wright. 1,802,191; Apr. 21.
Vehicle with load lifting means. C. Cohen-Venezian. 1,817,859; Aug. 4.
Vehicle with two mutually-sprung frames, Power. H. Zoelly. 1,792,794; Feb. 17.
Vehicles and the like, Resilient suspension for motor road. D. Brown. 1,837,013; Dec. 15.
Vehicles and the like, Transporting. I. H. Judd. 1,812,097; June 30.
Vehicles, Apparatus and method of lubricating. B. A. Bean, jr., and A. G. Maddigan. 1,833,513; Nov. 24.
Vehicles, Apparatus for cleansing units of automotive. H. H. Potter. 1,839,119; Dec. 29.
Vehicles, Apparatus for controlling velocity of wheeled. E. E. Fisher. 1,806,993; May 26.
Vehicles, Apparatus responsive to the passage of railway. P. N. Bossart. 1,806,039; May 19.
Vehicles, Apparatus responsive to the passage of railway. L. O. Grondahl and P. N. Bossart. 1,798,256; Mar. 31.
Vehicles, Apparatus responsive to the passage of railway. A. J. Sorensen. 1,806,093; May 19.
Vehicles, Arrangement for guiding suspended high-speed railway. F. Kruckenberg, and W. Black. 1,789,872; Jan. 20.
Vehicles, Attachment for motor. C. E. Heydon, jr. 1,814,039; July 14.
Vehicles, Automatic controlling system for motor. B. F. Wooding. 1,806,011; May 19.
Vehicles, Auxiliary propelling means for motor. A. E. Miller. 1,804,887; May 12.
Vehicles, Body center plate for railway. J. A. Shafer. 1,819,269; Aug. 18.
Vehicles, Centralizing draft connection for agricultural. S. S. Furrer. 1,830,993; Nov. 10.
Vehicles comprising multiple signals, System for controlling moving. P. J. Simmen. 1,827,406; Oct. 13.
Vehicles, Controlling device for motor. J. L. Becker. 1,814,426; July 14.
Vehicles, Device for preventing retrograde movement of. M. J. A. Kochevar. 1,813,748; July 7.
Vehicles, Drip molding for. A. T. Potter. 1,797,792; Mar. 24.
Vehicles, Fluid-pressure elevating mechanism for. P. E. Barker. 1,794,822; Mar. 3.
Vehicles, Frame for motor. V. Lancia. 1,789,238; Jan. 13.
Vehicles, Gas control for motor. P. F. Schofield. 1,828,685; Oct. 20.
Vehicles, Head lamp for motor. E. G. E. Vives. 1,804,965; May 12.
Vehicles, Hold-down for. W. H. Lanning. 1,799,427; Apr. 7.
Vehicles in freight cars, Apparatus for bracing. C. W. H. Johnston. 1,828,145; Oct. 20.
Vehicles, Jacking device for. A. E. Sawyer. 1,789,778; Jan. 20.
Vehicles, Link belt tread for. E. C. Bauer. 1,835,627; Dec. 8.
Vehicles, Method and apparatus for handling and storing. C. T. McGavin. 1,816,053; July 28.
Vehicles, Method and apparatus for washing. I. L. Pulliam. 1,823,167; Sept. 15.
Vehicles, Operating suction actuated device of automotive. C. S. Bragg and V. W. Kliessath. 1,816,467; July 28.
Vehicles, Preventing back movement in motor. F. J. Straub and J. T. Weinzierl. 1,798,504; Mar. 31.
Vehicles, Preventing the sliding or skidding of. F. Fuchs. 1,824,815; Sept. 29.
Vehicles, Safety apparatus for motor. G. Rottman. 1,804,032; May 5.
Vehicles, Shock absorbing roll for motor. A. Kégresse. 1,828,933; Oct. 27.
Vehicles, Steering fork and handle for childrens'. O. W. Siebert and C. J. Bjorson. 1,830,916; Nov. 10.
Vehicles, Suspension for. M. Houdaille. 1,794,294; Feb. 24.
Vehicles, Suspension means for motor road. H. Garner. 1,798,077; Mar. 24.
Vehicles, Suspension of. E. Lenhardtson. 1,815,924; July 28.
Vehicles, System for communicating with moving. H. A. Affell. 1,803,453; May 5.
Vehicles, Trailer spreader for dump. H. F. Kellner. 1,790,050; Jan. 27.
Vehicles, Unit power plant supports for motor. E. A. Johnston. 1,811,052; June 23.
Vehicles, Wheel attachment for. A. Buquor and H. Y. Stebbins. 1,800,674–5; Apr. 14.
Vehicles, Windlace construction for. F. J. Kubler. 1,804,371; May 5.
Veil, Bee-keeper's. A. G. Woodman. 1,791,609; Feb. 10.
Vein retainer. R. E. Tyvand. 1,824,516; Sept. 22.
Velocipede. D. W. Gill. 1,837,541; Dec. 22.
Velocipede. J. Holloway. 1,838,224; Dec. 29.
Velocipede. W. A. Marque. Re18,225; Oct. 13.
Velocipede trailer. R. J. Rader. 1,827,401; Oct. 13.
Velocity ratio mechanism, Variable. J. G. Douglas. 1,808,131; June 2.
Vender, Liquid. L. H. Morin. 1,804,889; May 12.
Vender, Portable. W. S. Lyhne. Des. 84,295; June 2.
Vending and display device. R. B. Estes. 1,832,538; Nov. 17.
Vending apparatus. J. F. Fitch. 1,791,078; Feb. 3.
Vending apparatus, Coin-controlled-. W. S. Runnels. 1,796,964; Mar. 17.
Vending device. H. H. McKee and C. T. Walter. 1,837,625; Dec. 22.
Vending device, Coin-controlled. C. Weber. 1,795,810; Mar. 10.
Vending machine. W. E. Andrews. 1,806,835; May 26.
Vending machine. A. D. Antoine and A. E. Gebert 1,832,176; Nov. 17.

Vending machine. M. T. Ashe. 1,825,847; Oct. 6.
Vending machine. M. T. Ashe. 1,832,081; Nov. 17.
Vending machine. H. S. Benjamin. 1,804,492; May 12.
Vending machine. J. Berland. 1,812,232; June 30.
Vending machine. F. Casau. 1,795,998; Mar. 10.
Vending machine. C. K. Cherry. 1,820,345; Aug. 25.
Vending machine. R. M. Cope. Re18,059; May 5.
Vending machine. W. A. Courtenay, jr. 1,816,470; July 28.
Vending machine. A. H. Du Grenier. 1,821,501; Sept. 1.
Vending machine. A. H. Du Grenier. 1,823,093; Sept. 15.
Vending machine. M. Dunn. 1,817,740; Aug. 4.
Vending machine. H. Giles. 1,814,795; July 14.
Vending machine. I. Green. 1,795,117; Mar. 3.
Vending machine. H. Greenhill. 1,823,896; Sept. 22.
Vending machine. J. R. Grove. 1,811,007; June 23.
Vending machine. R. W. Hall and W. J. MacDonald. 1,807,532; May 26.
Vending machine. T. S. Halpin. 1,798,416; Mar. 31.
Vending machine. L. A. Hurlburt. 1,831,249; Nov. 10.
Vending machine. O. D. Jennings and C. B. Gilmore. 1,788,523; Jan. 13.
Vending machine. A. A. Knee. 1,813,934; July 14.
Vending machine. W. H. Laraway. 1,821,223; Sept. 1.
Vending machine. W. C. Laughlin. 1,813,299; July 7.
Vending machine. G. S. Lewis. 1,802,058; Apr. 21.
Vending machine. M. H. Loughridge. 1,799,755; Apr. 7.
Vending machine. G. B. Macke. 1,801,165; Apr. 14.
Vending machine. M. J. Madison. 1,804,221; May 5.
Vending machine. J. H. McCormick. 1,820,671; Aug. 25.
Vending machine. C. C. Miller. 1,824,441; Sept. 22.
Vending machine. F. L. Mills. 1,802,981; Apr. 28.
Vending machine. I. L. Mitchell. 1,834,721; Dec. 1.
Vending machine. O. L. Mobley. 1,808,965; June 9.
Vending machine. G. Morrison. 1,806,814; May 26.
Vending machine. F. C. Myer. 1,830,805–7; Nov. 10.
Vending machine. C. O'Donnell. 1,837,919; Dec. 22.
Vending machine. E. Schultz. 1,808,937; June 9.
Vending machine. L. R. Swank. 1,832,264; Nov. 17.
Vending machine. D. L. Swearingen. 1,831,429; Nov. 10.
Vending machine. N. L. Tarshis. 1,836,734; Dec. 15.
Vending machine. G. I. Watters. 1,824,851; Sept. 29.
Vending machine. H. R. Williams. 1,788,221; Jan. 6.
Vending machine. H. R. Williams. 1,820,929; Sept. 1.
Vending machine, Automatic document. W. H. D. Brouse. 1,804,200; May 5.
Vending machine, Bottle. C. Habling. 1,809,693; June 9.
Vending machine, Bottle. H. F. Robbins. 1,803,146; Apr. 28.
Vending machine, Cigar. J. W. Beeson. 1,820,341; Aug. 25.
Vending machine, Cigarette-. C. H. Eckmann. 1,793,165; Feb. 17.
Vending machine, Circular. H. T. Goss. 1,807,404; May 26.
Vending machine, Coin controlled. A. Hennemann and W. Inhoffen. 1,838,179; Dec. 29.
Vending machine, Coin controlled. F. L. Mills. 1,805,837; May 19.
Vending machine, Coin controlled. A. Thoke. 1,809,001; June 9.
Vending machine, Coin-controlled. C. Wetzell and W. Inhoffen. 1,788,902; Jan. 13.
Vending machine, Coin controlled gasoline. C. R. Massie. 1,808,674; June 2.
Vending machine, Coin-freed. P. Seitz. 1,798,172; Mar. 31.
Vending machine, Coin-operated. C. F. Kurtz. 1,794,856; Mar. 3.
Vending machine, Coin-operated. L. B. Rodin. Des. 83,833; Mar. 31.
Vending machine for bulk edibles. A. A. Knee. 1,813,935; July 14.
Vending machine for cigarettes and matches. L. Nycz. 1,799,312; Apr. 7.
Vending machine for filling cigarette lighters. E. H. Prescott. 1,795,503; Mar. 10.
Vending machine, Housing for a liquid container-. J. A. Sand, jr. Des. 83,353; Feb. 17.
Vending machine, Ice cream. H. A. Bellgard. 1,833,815; Nov. 24.
Vending machine, Lighter-fluid-. H. R. Stewart. 1,796,669; Mar. 17.
Vending machine, Liquid-. M. A. Borislavsky and P. Sundock. 1,789,064; Jan. 13.
Vending machine, Liquid. W. C. F. Krueger. 1,804,785; May 12.
Vending machine, Liquid-. S. L. Long. 1,791,217; Feb. 3.
Vending machine, Newspaper-. V. A. Scott. 1,794,208; Feb. 24.
Vending machine, Paper. J. W. Scott. 1,836,044; Dec. 15.
Vending machine, Single package. H. C. Bunting. 1,832,091; Nov. 17.
Vending machine, Target practice. F. L. Mills. 1,805,838; May 19.
Vending machines, Coin control for. J. G. Schofield. 1,803,440; May 5.
Vending machines, Coin controlled operating mechanism for. H. C. Williamson. 1,802,488; Apr. 28.
Vending machines, Coin-operating device for. C. H. Eckmann. 1,793,166; Feb. 17.
Vending machines, Coin segregator for. S. T. Allen. 1,795,285; Mar. 10.
Vending machines or the like, Coin control mechanism for. J. A. Hebb. 1,806,757; May 26.
Vending machines, Release for. W. A. Tratsch. 1,831,893; Nov. 17.
Vending machines, Releasing mechanism for automatic. H. C. Hansen. 1,798,085; Mar. 24.
Vending machines, Releasing mechanism for automatic. H. C. Hansen. 1,804,098; May 5.
Veneer article and manufacture. E. C. Loetscher. 1,805,179; May 12.
Veneer bond. D. B. Danielson. 1,798,134; Mar. 31.
Veneer cutter and matcher. R. H. McLeod. 1,811,757; June 23.
Veneer machines, Pressure bar for. G. H. Osgood. 1,804,704; May 12.
Veneer press. M. Wetzler. 1,809,769; June 9.
Veneer taping machine. A. A. Dennis. 1,805,907; May 19.
Veneered sheets, Method of and machine for treating flexible. A. Elmendorf. 1,809,681; June 9.
Veneers, Producing. F. Ovenhausen. 1,807,251; May 26.
Vent and flame arrester. J. F. Patterson. 1,799,565; Apr. 7.
Vent controls, Automatic. J. W. Harvey. 1,802,252; Apr. 21.
Vent for electric battery cells. N. K. Chaney. 1,836,903; Dec. 15.
Vent head. C. F. Myers. 1,831,718; Nov. 10.
Vent operating device, Horizontal. J. G. Stoddard. 1,838,878; Dec. 29.
Ventilated switch box. A. B. Rypinski. 1,821,898; Sept. 1.
Ventilating apparatus. G. G. Grothaus. 1,798,791; Mar. 31.
Ventilating apparatus. T. Miduno. 1,790,433; Jan. 27.
Ventilating apparatus. J. J. Mullin and J. L. Foley. 1,802,617; Apr. 28.
Ventilating apparatus. B. E. Rodin. 1,791,640; Feb. 10.
Ventilating apparatus for dynamo electric machines. M. L. Blair. 1,820,007; Aug. 25.
Ventilating apparatus for vehicle bodies. W. D. Crowell. 1,796,442; Mar. 17.
Ventilating apparatus, Mine. L. Kessler. 1,806,760; May 26.
Ventilating attachment for toilet seats. C. C. Norris and E. D. Morse. 1,831,257; Nov. 10.
Ventilating cowl. H. F. Schmidt. 1,830,857; Nov. 10.
Ventilating device. F. O. Fernstrum. 1,802,642; Apr. 28.
Ventilating device. W. W. Mills. 1,794,630; Mar. 3.
Ventilating device. A. R. Pace. 1,797,099; Mar. 17.
Ventilating device. E. B. Wood and O. C. Eliason. 1,788,556; Jan. 13.
Ventilating device for garbage, ash, and refuse trucks. A. F. Masury. 1,820,752; Aug. 25.
Ventilating device for the interior of closed car bodies. W. Silbermann. 1,836,622; Dec. 15.
Ventilating device, Storm sash. H. W. Meyer. 1,836,611; Dec. 15.
Ventilating, Land air conditioning method and system for inclosures. L. L. Lewis and A. C. Buensod. 1,817,384; Aug. 4.
Ventilating means for electric railway locomotives. C. C. Whittaker. 1,813,218; July 7.
Ventilating means for electrical machines. P. Suter. 1,835,248; Dec. 8.
Ventilating means for foot coverings. O. P. Williams, sr. 1,809,323; June 9.
Ventilating outfit, Portable. A. G. Sutcliffe. 1,798,282; Mar. 31.
Ventilating outfit, Portable. A. G. Sutcliffe. 1,812,124; June 30.
Ventilating system. C. O. Guernsey. 1,804,334; May 5.
Ventilating system, Crank-case. G. H. Daubner. 1,795,927; Mar. 10.
Ventilating system for brooders. E. W. Miller. 1,798,695; Mar. 31.
Ventilating system for internal-combustion engines, Crank-case. H. L. Worbois. 1,792,560; Feb. 17.
Ventilating system for projecting rooms. B. Goldman. 1,805,620; May 19.
Ventilating system for projectors. A. H. Blohm. 1,831,762; Nov. 10.
Ventilating unit, Explosionproof. J. A. Paasche. 1,828,746; Oct. 27.
Ventilation, Crankcase. H. G. Kamrath. 1,806,543; May 19.
Ventilation, Crankcase. H. G. Kamrath. 1,815,623; July 21.
Ventilation of dynamo electric machines. M. D. Ross. 1,824,839; Sept. 29.
Ventilation, Turbo-generator. J. A. Kuyser. 1,816,489; July 28.
Ventilator: *See*—
Automobile ventilator.
Cabin ventilator.
Car ventilator.
Cowl ventilator.
Crank case ventilator
Dust arresting ventilator
Exhaust ventilator.
Greenhouse ventilator.
House ventilator.
Induction ventilator.
Kitchen ventilator.
Sash ventilator.
Sliding glass ventilator.
Truck body ventilator.
Vault ventilator.
Window ventilator.
Windshield ventilator.
Ventilator. E. A. Beyl. 1,837,401; Dec. 22.

Ventilator. J. A. Bombard and R. J. Rogers. 1,820,430; Aug. 25.
Ventilator. V. Brocato. 1,808,128; June 2.
Ventilator. P. Chiniewicz. 1,789,135; Jan. 13.
Ventilator. E. C. Daniels. 1,798,400; Mar. 31.
Ventilator. C. Davies. 1,832,281; Nov. 17.
Ventilator. A. Hertel. 1,792,585; Feb. 17.
Ventilator. L. Hockstein. 1,797,915; Mar. 24.
Ventilator. B. Kavanagh. 1,826,353; Oct. 6.
Ventilator. D. D., C. L., and H. C. McCluney. Des. 83,411; Feb. 17.
Ventilator. E. W. McIntyre. 1,819,255; Aug. 18.
Ventilator. F. N. Nelson. 1,790,059; Jan. 27.
Ventilator. F. J. Obermark. 1,831,189; Nov. 10.
Ventilator. Y. Ogawa. 1,802,314; Apr. 21.
Ventilator. J. W. Robertson. 1,799,123; Mar. 31.
Ventilator. K. P. Seacord. 1,799,327; Apr. 7.
Ventilator. H. Shapiro. 1,821,674; Sept. 1.
Ventilator. M. G. Sisung. 1,798,041; Mar. 24.
Ventilator adjustment for incubators, Calibrated. B. F. C. Morris. 1,811,589; June 23.
Ventilator adjustment mechanism, Windshield-. H. T. Thomas. 1,797,595; Mar. 24.
Ventilator and dust eliminator, Window. W. Higgins. 1,795,087; Mar. 3.
Ventilator and windshield heater, Cowl. M. A. Harris. 1,837,773; Dec. 22.
Ventilator control, Car. C. C. Farmer. 1,801,852; Apr. 21.
Ventilator fitment for wall apertures, Sound suppressing. E. T. Fisk. 1,816,769; July 28.
Ventilator for automobiles. J. W. Greig. 1,817,140; Aug. 4.
Ventilator for autos, Window. J. J. Mace. 1,825,192; Sept. 29.
Ventilator for buildings. W. L. Archer. 1,825,297; Sept. 29.
Ventilator for engines, Crank case. J. H. Faller. 1,833,394; Nov. 24.
Ventilator for ice tanks. A. H. Gaebler. 1,802,465; Apr. 28.
Ventilator for milk cans. L. J. Schubert. 1,813,964; July 14.
Ventilator for vehicles, Kick. C. G. Cronwall. 1,823,191; Sept. 15.
Ventilator hat for stoves. A. Nitka. 1,825,245; Sept. 29.
Ventilator structure, Granary. W. M. Rowles. 1,817,270; Aug. 4.
Ventilator system, Bank vault. B. C. Goss. 1,805,332; May 12.
Ventilators on automobile, Operating. E. M. Stern. 1,798,503; Mar. 31.
Venting device for liquid and vapor apparatus. T. S. Derr. 1,837,023; Dec. 15.
Venturi meter. F. N. Connet. 1,805,236; May 12.
Vermin destroying material, Making. W. E. Grove. 1,814,471; July 14.
Vermin eliminating device. H. C. Lipthrott. 1,835,885; Dec. 8.
Vernier. W. S. Webster. 1,805,154; May 12.
Vertical drill, Hydraulically-operated. R. M. Galloway. 1,787,782; Jan. 6.
Vertically and angularly adjustable table. O. K. and L. O. Mitchell. 1,837,826; Dec. 22.
Vessel. E. H. Ewertz. 1,817,071–2; Aug. 4.
Vessel and manufacturing the same, Evacuated. C. D. Haigis. 1,836,590; Dec. 15.
Vessel, Electric discharge. R. G. Berthold. 1,834,761; Dec. 1.
Vessel, Equipment for liquid transporting. R. L. Hague. 1,835,645; Dec. 8.
Vessel, Marine. R. Deetjen. 1,794,156; Feb. 24.
Vessel, Marine. G. Deppner. 1,798,594; Mar. 31.
Vessel with crimped or crown cap and cap remover. F. L. Darling. 1,838,534; Dec. 29.
Vessels, Apparatus for raising sunken. D. E. Sears. 1,788,691; Jan. 13.
Vessels, Device for charging. W. Scholz and A. Frohberg. 1,813,205; July 7.
Vessels, Device for locating sunken. L. H. Roeth. 1,839,001; Dec. 29.
Vessels, Device for milk. A. Calimani and G. Campana. 1,819,226; Aug. 18.
Vessels, Device for raising submerged. E. Sexton. 1,826,959; Oct. 13.
Vessels from pressed wood or plywood, Producing. G. Homeÿ. 1,823,102; Sept. 15.
Vessels, Locating sunken. S. G. Stevens. 1,791,910; Feb. 10.
Vest and trousers, Combined. S. Goldstein. Des. 84,190; May 19.
Vest, Life saving. A. Lehmann. 1,819,901; Aug. 18.
Vest or like article of apparel. H. F. A. Boehle. Des. 83,787; Mar. 31.
Vest, Reversible. L. Wetzler. 1,830,726; Nov. 3.
Vials, Device for opening. W. Merck. 1,805,369; May 12.
Vibrating apparatus. L. S. Chadwick. 1,805,758; May 19.
Vibrating bodies, Damp mechanically-. A. Meissner. 1,794,723; Mar. 3.
Vibrating device. W. A. Reiss. 1,826,434; Oct. 6.
Vibrating machine. A. J. Brown. 1,832,962; Nov. 24.
Vibrating machine, Portable. L. C. Gunderman. 1,825,588; Sept. 29.
Vibrating mechanism. W. L. Keefer. 1,827,586; Oct. 13.
Vibrating objects, Apparatus for. G. B. Pickop. 1,820,676; Aug. 25.
Vibrating screen. G. W. Behnke and L. E. Soldan. 1,787,852; Jan. 6.
Vibrating screen. C. G. A. Schmidt, jr. 1,822,507; Sept. 8.
Vibrating table, Duplex. J. J. Jensen. 1,789,407; Jan. 20.
Vibration absorber. O. J. Rued. 1,819,266; Aug. 18.
Vibration absorbing mechanism. C. Y. Knight. 1,821,098; Sept. 1.
Vibration-balancing mechanism. C. Y. Knight. 1,794,715; Mar. 3.
Vibration dampener. C. Breer. 1,805,357; May 12.
Vibration dampener. H. C. Lord. 1,828,539; Oct. 20.
Vibration dampener. H. C. Lord. 1,830,118; Nov. 3.
Vibration dampening device. J. A. Fitch. 1,830,535; Nov. 3.
Vibration damping by impact. A. L. Paget. 1,833,754; Nov. 24.
Vibration damping device. A. F. Fifield. 1,830,600; Nov. 3.
Vibration-damping device. A. C. Keller and E. L. Norton. 1,792,497; Feb. 17.
Vibration damping device. A. L. Kimball. 1,833,751; Nov. 24.
Vibration eliminator for phonograph turntables. C. G. Garribus. 1,815,559; July 21.
Vibration in crank shafts, Counterbalancing and for counteracting torsional. C. E. Summers. 1,827,721; Oct. 13.
Vibration indicator. W. E. Trumpler. 1,822,118; Sept. 8.
Vibration meter. A. T. Kasley. 1,797,235; Mar. 24.
Vibration recorder. J. W. Legg. 1,823,326; Sept. 15.
Vibration reducing device. J. A. Wiltse. 1,819,665; Aug. 18.
Vibrations, Suppressing. A. Ytterberg. 1,798,922; Mar. 31.
Vibrations which is chiefly applicable to blowpipe apparatus for the cutting of metals, and apparatus wherein the said method is carried into effect, Damping. M. Claude. 1,802,237; Apr. 21.
Vibrator. W. Broad. 1,833,107; Nov. 24.
Vibrator. E. L. Fickett and A. W. Munsell. 1,829,441; Oct. 27.
Vibrator. J. P. Gilson. 1794,373; Mar. 3.
Vibrator. C. W. Johnson. 1,825,353; Sept. 29.
Vibrator. G. B. Pickop. 1,804,949; May 12.
Vibrator. G. B. Pickop. 1,820,320; Aug. 25.
Vibrator. J. T. Stoney. 1,791,582; Feb. 10.
Vibrator. L. J. Wahl. 1,832,437; Nov. 17.
Vibrator attachment. L. J. Wahl. 1,818,287; Aug. 11.
Vibrator, Electric massage machine. C. W. Kent. 1,812,960; July 7.
Vibrator, Electromechanical. A. E. G. Nandillon and A. E. Cottet. 1,819,964; Aug. 18.
Vibrator, Electromechanical. H. O. Peterson. 1,790,355; Jan. 27.
Vibrator for molds and dental flasks. E. Briggs. 1,805,970; May 19.
Vibrator, Foot. L. H. Sturtevant. 1,788,176; Jan. 6.
Vibrator, Health. H. H. Buffum. 1,836,440; Dec. 15.
Vibrator, Mechanical. S. M. Swensen. 1,825,430; Sept. 29.
Vibrator mechanism. S. Flam. 1,806,620; May 26.
Vibrator, Oil well tool. J. G. Richey. 1,829,758; Nov. 3.
Vibrator rapping and drawing iron. G. B. Pickop. 1,820,675; Aug. 25.
Vibratory exercising and massaging machine. J. F. Ohrberg. 1,815,630; July 21.
Vibratory interrupter and transformer, Combined. A. L. Goddard. 1,818,318; Aug. 11.
Vibratory machine. R. T. Newton. 1,814,606; July 14.
Vibratory system. C. R. Hanna. 1,828,284; Oct. 20.
Vibrecorder. R. K. Lee. 1,820,323; Aug. 25.
Vibrometer. G. B. Karelitz. 1,817,567; Aug. 4.
View finder. A. S. Howell. 1,795,490; Mar. 10.
Vigil. F. Connolly. 1,837,016; Dec. 15.
Vine divider. W. S. Shenk. 1,789,159; Jan. 13.
Vine supporting device. C. E. Robbins. 1,824,689; Sept. 22.
Vine turner. W. C. Archer. 1,834,441; Dec. 1.
Viner, Double. F. P. Ryder. 1,823,410; Sept. 15.
Vinyl chloride, Catalytic process for the preparation of. J. A. Nieuwland. 1,812,542; June 30.
Vinyl derivatives of acetylene and preparing the same. J. A. Nieuwland. 1,811,959; June 30.
Vinyl esters, Production of. W. O. Herrmann, H. Deutsch, and E. Baum. 1,790,920; Feb. 3.
Violin. E. H. Chase. Des. 85,731; Dec. 15.
Violin. S. M. Rowland. 1,788,745; Jan. 13.
Violin. T. Thrasher. 1,819,928; Aug. 18.
Violin. W. A. Weaver. 1,788,137; Jan. 6.
Violin attachment. J. H. Kessler. 1,824,901; Sept. 29.
Violin body or similar article. H. Cremer. Des. 84,848; Apr. 7.
Violin bow. R. A. Kratochwill. 1,835,407; Dec. 8.
Violin mute. W. Bingham. 1,829,469; Oct. 27.
Violin-string tightener. F. H. Schulenberg. 1,792,608; Feb. 17.
Violins and the like stringed musical instruments, Bow guide for. P. K. Auensen. 1,789,219; Jan. 13.
Violins and the like, Tailpiece connecter for. P. Seckendorf. 1,791,977; Feb. 10.

Viscose from cellulose, Preparing. L. Lilienfeld. 1,790,990; Feb. 3.
Viscose, Manufacture of. G. W. Blanco and C. Henningsen. 1,814,542–3; July 14.
Viscose precipitating baths containing magnesium sulphate, Maintaining the composition of. J. J. Stockly and R. Bartunek. 1,793,649; Feb. 24.
Viscose, Preparation of. J. M. Bernard. 1,807,370; May 26.
Viscosimeter. H. W. Klinger. 1,793,807; Feb. 24.
Viscosimeter. F. S. Stickney. 1,836,995; Dec. 15.
Viscosimeter. B. S. Teschner. 1,831,980; Nov. 17.
Viscosity, Method of and apparatus for determining. S. T. Rodgers. 1,790,948; Feb. 3.
Viscosity reducer. S. Bramley-Moore. 1,814,400; July 14.
Viscous fluid into container, Installation for forcing. T. E. Holmes. 1,811,752; June 23.
Viscous materials such as bitumen, tar, sugar and the like, Means applicable for use in conveying hot. L. K. Reid. 1,807,796; June 2.
Vise. W. A. Abegg. 1,818,291; Aug. 11.
Vise. P. Brockhaus, jr. 1,811,299; June 23.
Vise. E. Cheshire. 1,807,896; June 2.
Vise. D. De Armey. 1,832,968; Nov. 24.
Vise. C. D. Gaudreau. 1,823,410; Sept. 15.
Vise. J. A. Giles. 1,834,697; Dec. 1.
Vise. J. S. McChesney. 1,799,474; Apr. 7.
Vise. H. W. Steiger. 1,804,652; May 12.
Vise, Chain pipe. L. W. Jones. 1,807,917; June 2.
Vise, Clamping. P. Eisemann. 1,806,527; May 19.
Vise grip lock. C. M. Ellenberger. 1,819,813; Aug. 18.
Vise-operating mechanism. A. L. Nylander. 1,799,526; Apr. 7.
Vise, Pipe. W. C. Kress. 1,787,787; Jan. 6.
Vise, Quick acting. A. J. Jameson. 1,812,096; June 30.
Vise stand. J. A. Long. 1,812,967; July 7.
Vise stand. W. O. Thewes. 1,798,340; Mar. 31.
Vise, Universal. E. A. Odin. 1,818,501; Aug. 11.
Vise, Work holding. A. W. Swanson. 1,801,648; Apr. 21.
Vision device, Clear. J. W. Bour. 1,803,787; May 5.
Vision device, Clear. W. A. Gibbs. 1,837,122; Dec. 15.
Vision, Device for clarifying driving. W. I. Clements. 1,836,644; Dec. 15.
Vision-tone device. L. O. B. Lindstrom. 1,820,357; Aug. 25.
Visor. W. C. Mason. 1,816,783; July 28.
Visor. P. J. Savage. 1,790,328; Jan. 27.
Visor, Adjustable. A. R. Simon. 1,798,856; Mar. 31.
Visor, Adjustable. A. R. Simon. 1,807,879; June 2.
Visor, Automobile head lamp. A. J. Frame. Des. 84,280; June 2.
Visor, Automobile head lamp. A. J. Frame. Des. 84,982; Sept. 1.
Visor, Automotive driving. P. J. Savage. 1,790,327; Jan. 27.
Visor, Day and night. N. H. Judd and G. Siegrist. 1,789,552; Jan. 20.
Visor for motor cars, Built in. G. A. Pritchard. 1,827,299; Oct. 13.
Visor or eyeshade, Adjustable pocket. R. Bosshard. 1,791,051; Feb. 3.
Visor rate sign or article of similar nature, Automobile. P. L. Davis and J. J. Raphael. Des. 83,663; Mar 17.
Visor, Sun. H. V. Henderson. Des. 85,241; Sept. 29.
Visor, Windshield. P. J. Waraksa. 1,805,346; May 12.
Visual effects, Apparatus for producing. A. C. Watson. 1,819,217; Aug. 18.
Visual effects, Producing. A. C. Watson. 1,828,236; Oct. 20.
Vitamine containing pasteurized milk of low bacterial content, Production of. R. R. Graves. 1,798,413; Mar. 31.
Vitamine preparations, Producing. A. W. Owe. 1,805,593; May 19.
Vitreous material, Manufacture of. P. B. Crossley. 1,795,200; Mar. 3.
Vocalscope. L. Simmions. 1,836,777; Dec. 15.
Voice culture, Method and device for. S. D. Roben. 1,806,919; May 26.
Voice-operated devices, Relay arrangement for use with. J. Herman. 1,798,202; Mar. 31.
Volatile materials, Apparatus for distribution of. F. A. Eustis. 1,797,680; Mar. 24.
Volatilizer. E. Brown. 1,795,328; Mar. 10.
Volt-ampere meter. D. J. Angus. 1,808,334; June 2.
Voltage compensating means. E. R. Wolfert. 1,816,418; July 28.
Voltage control equipment. C. E. Lomax. 1,827,090; Oct. 13.
Voltage control system. A. N. Anderson. 1,817,334; Aug. 4.
Voltage control system. H. H. Harbecke. 1,804,768; May 12.
Voltage, Method of and apparatus for changing. B. F. Miessner. 1,823,837; Sept. 15.
Voltage ratio transformer, Incased variable. E. D. Treanor. 1,801,125; Apr. 14.
Voltage-regulating apparatus. C. H. Zierdt. 1,790,691; Feb. 3.
Voltage regulating system. K. W. Graybill. 1,805,140; May 12.
Voltage-regulating system. B. W. Jones. 1,790,712; Feb. 3.
Voltage regulating system. H. C. Rentschler. 1,835,121; Dec. 8.
Voltage regulation for electric generators. A. Mattes. 1,810,288; June 16.
Voltage regulation, System of. J. Kröppelin. 1,819,468; Aug. 18.
Voltage regulator. G. B. Crouse. 1,815,141; July 21.
Voltage regulator. W. Schaelchlin. 1,820,712; Aug. 25.
Voltage regulator. A. Ytterberg. 1,793,272; Feb. 17.
Voltage regulator system. W. P. Koechel. 1,835,061; Dec. 8.
Voltage-supply means. C. W. Frick. 1,795,207; Mar. 3.
Voltage-testing recorder. W. L. Lloyd, jr. 1,795,175; Mar. 3.
Volume control. F. H. Drake. 1,833,639; Nov. 24.
Volume control. A. A. Kent. 1,796,375; Mar. 17.
Volume control. L. T. Phelan. 1,809,530; June 9.
Volume control. N. C. Schellenger. 1,833,041–2; Nov. 24.
Volume control for radio amplifier circuits. O. E. Marvel. 1,839,109; Dec. 29.
Voting machine. W. H. Staring. 1,804,035; May 5.
Voting-machine lock. A. N. Gustavson. 1,791,310; Feb. 3.
Votive device, Illuminable. M. Priori. 1,823,000; Sept. 15.
Vulcanizable material and product, Modifying. W. A. Gibbons. 1,807,031; May 26.
Vulcanization accelerator and manufacture thereof. H. W. Matheson. 1,788,773; Jan. 13.
Vulcanization of rubber, Acceleration of. J. Teppema. 1,818,934; Aug. 11.
Vulcanization of rubber, Accelerator for the. A. Cambron. 1,796,240; Mar. 10.
Vulcanization of rubber and similar materials and products obtained thereby, Controlling the. S. M. Cadwell. 1,814,286–8; July 14.
Vulcanizer. J. W. Barton. 1,829,778; Nov. 3.
Vulcanizer. J. W. Brundage. 1,832,856; Nov. 24.
Vulcanizer. H. Erikson. 1,788,568; Jan. 13.
Vulcanizer. T. A. Miller. 1,811,276; June 23.
Vulcanizer. F. J. Shook. 1,811,567; June 23.
Vulcanizer. L. J. Stambois. 1,802,287; Apr. 21.
Vulcanizer and method of vulcanizing. E. Blaker. 1,812,282; June 30.
Vulcanizer, Full circle retread. C. B. Hudson. 1,836,850; Dec. 15.
Vulcanizer, Repair. C. W. Cartier. 1,837,356; Dec. 22.
Vulcanizer, Tire repair. C. E. Norris. 1,820,478; Aug. 25.
Vulcanizer, Tire retread. L. O. Grange. 1,834,899; Dec. 1.
Vulcanizer, Watch case. A. J. Fleiter. 1,820,132; Aug. 25.
Vulcanizing apparatus. H. A. Denmire. 1,808,711; June 2.
Vulcanizing apparatus. O. M. Fredd. 1,793,472; Feb. 24.
Vulcanizing apparatus. L. O. Grange. 1,822,590; Sept. 8.
Vulcanizing apparatus. K. B. Kilborn. 1,812,792; June 30.
Vulcanizing apparatus. J. Wahl. 1,833,009; Nov. 24.
Vulcanizing apparatus. H. Willshaw, W. G. Green and W. G. Gorham. 1,793,269; Feb. 17.
Vulcanizing device. L. O. Grange. 1,835,296; Dec. 8.
Vulcanizing method and apparatus. J. W. Schade. 1,829,018; Oct. 27.
Vulcanizing press. R. J. Schmidt. 1,825,616; Sept. 29.
Wabbler holding mechanism. M. A. Yeakley. 1,816,274; July 28.
Wafer, Ice cream sandwich. S. S. Leaf. Des. 85,585–6; Nov. 17.
Waffle baker or like article. C. A. Schallis. Des. 85,548; Nov. 10.
Wagon grader. C. E. Ball. 1,827,414; Oct. 13.
Wagon hitch. J. F. Schultz. 1,832,053; Nov. 17.
Waffle iron. C. C. Armstrong. 1,798,648; Mar. 31.
Waffle iron. B. M. Fromknecht. 1,806,196; May 19.
Waffle iron. R. E. Patten. Des. 84,752; July 28.
Waffle iron. R. E. Patten. Des. 85,199; Sept. 22.
Waffle iron, Electric. M. W. McArdle. Des. 83,332; Feb. 17.
Waffle iron, Electric. A. O. Samuels. Des. 84,599; July 7.
Waffle iron, Electric. A. O. Samuels. Des. 84,759; July 28.
Waffle iron or analogous article. A. A. Gratz. Des. 83,196; Feb. 3.
Wagon. E. C. Flatman. 1,795,550; Mar. 10.
Wagon, Child's. C. W. Waas. 1,806,961; May 26.
Wagon, Collapsible delivery. C. Lieblein. 1,820,466; Aug. 25.
Wagon hitch. H. L. and M. R. Baker. 1,821,917; Sept. 8.
Wagon loader and excavator. A. W. Haiss. 1,812,292; June 30.
Wagon, Power loading dump. B. A. Watt. 1,819,578; Aug. 18.
Wagon, Self discharging. W. Ludowici. 1,812,539; June 30.
Wagon, Shopping. J. V. Longan. 1,817,260; Aug. 4.
Wagon-tipping apparatus. H. Tacvorian. 1,801,180; Apr. 14.
Wagon tongue hound. H. J. Heider. 1,829,091; Oct. 27.
Wagons and other vehicles, Construction for ice. R. S. Blair. 1,802,625; Apr. 28.
Wagons, Implement for moving railway. G. Meyer. 1,812,603; June 30.
Waistband. O. Brooks. 1,834,046; Dec. 1.
Walker, Baby. S. B. Brown. 1,826,502; Oct. 6.
Walker, Folding. I. M. Petersime. 1,824,406; Sept. 22.

Walking stick and cigar and cigarette carrier, Combined. J. Rosinsky. 1,806,709; May 26.
Wall. R. T. Wales. 1,838,203; Dec. 29.
Wall and building the same, Composite. E. A. Brooks. 1,837,145; Dec. 15.
Wall and ceiling structure, Furred. B. E. Crowell. 1,831,162; Nov. 10.
Wall and making the same, Furnace. E. A. Brooks. 1,837,146; Dec. 15.
Wall and mud drum connection, Water. W. F. Keenan, jr. 1,802,471; Apr. 28.
Wall bed. Floor supported. F. E. Miller. 1,834,794; Dec. 1.
Wall bed, Vertically-pivoted. N. Sinclair. 1,793,755; Feb. 24.
Wall blocks against tubes, Holding furnace. E. G. Bailey and R. M. Hardgrove. 1,802,748; Apr. 28.
Wall board. H. C. Raynes. 1,811,212; June 23.
Wallboard and the like for covering walls. F. A. Brassard. 1,820,933; Sept. 1.
Wall board connection, Interior. D. McChesney. 1,804,630; May 12.
Wall board, Diagonal-weave. C. T. Hodnefield. 1,787,985; Jan. 6.
Wall board edge, Reenforced and protected. G. A. New. 1,805,840; May 19.
Wallboard, Embossing. C. A. Upson. 1,833,060; Nov. 24.
Wallboard, Gypsum. G. A. New. 1,808,003; June 2.
Wallboard, pressboard, and the like, Manufacture of. F. S. Vivas. 1,800,121; Apr. 7.
Wall board, Reenforced. H. C. Raynes. 1,808,571; June 2.
Wall box. G. D. Charles. 1,803,233; Apr. 28.
Wall box for electrical devices. H. C. Andrews. 1,815,393; July 21.
Wall bracket. F. Craib. Des. 83,313; Feb. 17.
Wall bracket electric lighting fixture. Glenn E. McFadden. Des. 84,790; Aug. 4.
Wall bracket, Lighting fixture. L. C. Doane and H. H. Wolter. 1,818,119; Aug. 11.
Wall bracket or article of analogous nature. E. A. Walker. Des. 84,172; May 12.
Wall bracket or article of similar nature. C. Shulman. Des. 84,660; July 14.
Wall, Building. C. W. Meara. 1,818,416; Aug. 11.
Wall construction. E. L. Ewing. 1,826,127; Oct. 6.
Wall construction. R. W. Frantz. 1,818,704; Aug. 11.
Wall construction. H. W. Hoefer. 1,828,969; Oct. 27.
Wall construction. J. F. Kelly. 1,805,334; May 12.
Wall construction. C. L. Marcus. 1,790,938; Feb. 3.
Wall construction. R. Murray. 1,808,249; June 2.
Wall construction. N. C. Sorensen. 1,798,280; Mar. 31.
Wall construction. D. D. Whitacre and J. C. Wood. 1,811,411; June 23.
Wall construction. A. Winget. 1,814,202; July 14.
Wall construction and unit therefor. H. Sharpe. 1,795,451; Mar. 10.
Wall construction for pressed metal vehicle bodies, Side. J. Ledwinka. 1,834,493; Dec. 1.
Wall construction, Paneled-. G. K. Lewis. 1,792,747; Feb. 17.
Wall construction, Unit. A. O. Thomas. 1,811,161; June 23.
Wall cover plate and mounting therefor. E. A. Olley. 1,818,269; Aug. 11.
Wall faced with panels. M. L. Colean. 1,801,541; Apr. 21.
Wall fixture. V. M. McConnell. 1,792,853; Feb. 17.
Wall fixture attaching means. G. J. Morris. 1,824,492; Sept. 22.
Wall, Floating bridge. S. B. Bowman. 1,835,690; Dec. 8.
Wall for boilers and the like, Solid water. C. F. Weigel. 1,826,293; Oct. 6.
Wall for buildings. C. S. Barr. 1,831,088; Nov. 10.
Wall hook, Wash-over hydraulic. C. P. Young. 1,800,490; Apr. 14.
Wall light. J. B. Kausal. 1,821,062; Sept. 1.
Wall of cellular blocks, Building. K. Slidell and E. M. Wyatt. 1,817,022; Aug. 4.
Wall or ceiling structure, Acoustic. T. C. Howard. 1,803,390; May 5.
Wall or crib structure. J. H. Ferguson, jr. 1,818,056; Aug. 11.
Wall ornamentation. J. E. Hamm. 1,802,467; Apr. 28.
Wall or the like, Tiled. O. E. Grigsby and G. D. Haines. 1,836,964; Dec. 15.
Wallpaper. J. H. Whitwell. Des. 84,908; Aug. 18.
Wall paper or similar article. J. Artim. Des. 83,385; Feb. 17.
Wall paper or similar article. C. O. Hesse. Des. 83,398–401; Feb. 17.
Wall paper or similar material. J. G. Prager. Des. 83,007; Jan. 6.
Wall plate, Corrugated metallic. E. C. Anderson. 1,826,859; Oct. 13.
Wall plate for lighting fixtures. R. M. Pickard. Des. 84,203; May 19.
Wall plates, Mounting. H. Buchsbaum. 1,797,635; Mar. 24.
Wall pocket. R. De Boer. 1,79.0977; Feb. 3.
Wall pot holder. I. G. Scott and M. C. Fox. Des. 85,550; Nov. 10.
Wall slab, Building. R. C. Webb. 1,827,632; Oct. 13.

Wall structure. D. A Casey and A. J. Liuzza. 1,802,874; Apr. 28.
Wall structure. F. M. Hartford. 1,799,979; Apr. 7.
Wall structure. H. P. C. Keuls. 1,821,892; Sept. 1.
Wall structure. R. L. MacDonald. 1,795,655; Mar. 10.
Wall structure. J. A. McGregor. 1,797,010; Mar. 17.
Wall structure and structural element forming a part thereof, Furnace-. B. F. Koch. 1,793,740; Feb. 24.
Wall structure, Building. G. H. Ellis. 1,807,395; May 26.
Wall structure, Building. G. H. Ellis. 1,832,105; Nov. 17.
Wall structure, Corrugated. A. E. Small. 1,832,144; Nov. 17.
Wall structure for cars, Metal. F. Ditchfield. 1,829,508; Oct. 27.
Wall structure, Inspection hole. M. Liptak. 1,809,385; June 9.
Wall structure, Insulating. G. A. Young. 1,831,281; Nov. 10.
Wall structure or partition, Sectional. D. Bratter. 1,795,270; Mar. 3.
Wall structure, Retaining. J. A. Oursler. 1,812,364; June 30.
Wall, Water. G. P. Jackson. 1,822,405; Sept. 8.
Walls, Apparatus for heating and drying. E. Stein. 1,832,151; Nov. 17.
Walls, Dampproofing and waterproofing. J. Rose.
Walls, Flexible tubular corrugated. W. M. Fulton and J. V. Giesler. 1,801,498; Apr. 21.
Walls for containers, Heat-exchange. R. Samesreuther and G. Kränzlein. 1,796,123; Mar. 10.
Wallet. M. A. Garlock. 1,798,119; Mar. 24.
Wallet. B. I. Hughes. 1,816,284; July 28.
Wardrobe. E. B. Green, jr. Re18,267; Dec. 1.
Wardrobe appliance, Folding. L. L. Orkin. 1,836,935; Dec. 15.
Wardrobe case. J. Ritter, jr. 1,796,961; Mar. 17.
Wardrobe case. J. Ritter, jr. 1,799,251; Apr. 7.
Wardrobe case, Foldable. J. Ritter, jr. 1,814,336; July 14.
Wardrobe case with foldable garment supports. J. Ritter, jr. 1,813,955; July 14.
Wardrobe hook. J. G. Milhime. 1,835,419; Dec. 8.
Wardrobe ticket set, Safety. E. Tensfeldt. 1,804,238; May 5.
Warehouse loading system. E. T. Bennington. 1,833,556; Nov. 24.
Warming closet for cook stoves. G. E. Pickup. Des. 85,002; Sept. 1.
Warning device for electric push-buttons, etc. B. Roth. 1,807,344; May 26.
Warning signal. F. Addition. 1,798,052; Mar. 24.
Warning signal. W. T. Felton. 1,828,892; Oct. 27.
Warning signal, Automatic. J. Del-Prete. 1,808,022; June 2.
Warp beam. C. D. Brown. 1,807,582; June 2.
Warp, Beam. F. Moosberg. 1,822,414; Sept. 8.
Warp-beaming machine. W. Réiners and G. Kahlisch. 1,795,506; Mar. 10.
Warp beams, Tension mechanism for. A. Cornu. 1,791,801; Feb. 10.
Warp beam, Sectional. R. R. Hall. 1,797,955; Mar. 24.
Warp-knitting frame. R. Rupf. 1,796,579; Mar. 17.
Warp looping machine. H. W. Honeyman, jr. 1,835,492; Dec. 8.
Warp-sizing machine. C. B. Johnson. 1,788,196; Jan. 6.
Warp stop motion. J. G. Ahlin. 1,817,119; Aug. 4.
Warp stop motion. J. Regan. 1,817,167; Aug. 4.
Warp stop-motion, Electric. O. V. Payne. 1,817,166; Aug. 4.
Warping apparatus. B. A. Peterson. 1,790,318; Jan. 27.
Warping apparatus. B. A. Peterson. 1,790,553; Jan. 27.
Warping machine. G. P. Sipp. 1,820,401; Aug. 25.
Washbasin. R. S. Guinness. 1,789,899; Jan. 20.
Washboard. A. Cordio. 1,795,762; Mar. 10.
Wash fountain. D. H. Ebinger. Des. 85,516; Nov. 10.
Washstand. P. M. Bemis. 1,799,079; Mar. 31.
Washtub. J. L. Arlt. 1,805,068; May 12.
Washtub. M. G. Foster. 1,794,285; Feb. 24.
Washtub stand. H. Lindelof. 1,801,512; Apr. 21.
Washtub, Stationary. K. Wittmayer. 1,797,629; Mar. 24.
Washer: *See*—

Air washer.	Jar washer.
Attachable washer.	Lock washer.
Bedpan washer.	Packing thrust washer.
Can washer.	Print washer.
Diaper washer.	Scale washer.
Dish washer.	Screw and lock washer.
Fruit washer.	Smoke washer.
Gas washer.	Spring washer.
Golf-ball washer.	Tank car washer.
Hand washer.	Well screen washer.
Hose washer.	

Washer. L. J. Barwood. 1,814,502; July 14.
Washer. G. H. Elmore and R. W. Rigler. 1,798,459; Mar. 31.
Washer. R. W. Rigler. 1,824,688; Sept. 22.
Washer and dehydrator, Combined. H. C. Eddy. 1,838,916; Dec. 29.
Washer and drier, Centrifugal. L. J. Barrett. 1,825,651; Oct. 6
Washer and drier, Combined clothes. F. C. Ruppel. Des. 83,468; Feb. 24.

Washer, extractor, and drying tumbler, Combined. L. C. Schenck. 1,799,649; Apr. 7.
Washer for bottles of different sizes. G. L. N. Meyer. 1,813,066; July 7.
Washer for electrical binding posts, Insulating and supporting. C. H. Thordarson. 1,813,716; July 7.
Washers for commutator rings, Apparatus for making reenforced. H. W. Cooper. 1,820,181; Aug. 25.
Washers, Making lock. C. G. Olson. 1,822,600; Sept. 8.
Washers, Making lock. F. Q. Schwartz. 1,807,258; May 26.
Washers on heel-mold pins, Apparatus for placing. W. D. Kmentt. 1,822,099; Sept. 8.
Washers or the like, Apparatus for classifying. W. D. Kmentt. 1,834,545; Dec. 1.
Washers, Prerinsing device for bottle. I. R. Hippenmeyer. 1,831,351; Nov. 10.
Washfountain, Foot controlled. H. A. Mullet and H. E. Heine. 1,836,766; Dec. 15.
Washing and drying machine. R. W. Donley. 1,825,584; Sept. 29.
Washing and drying machine. C. F. Bloom. 1,836,063; Dec. 15.
Washing and drying, Machine for. A. O. Larsen. 1,832,837; Nov. 17.
Washing apparatus. E. Davis. 1,803,897; May 5.
Washing apparatus. R. Hoe. 1,819,463; Aug. 18.
Washing apparatus. L. M. O'Neill. 1,797,584; Mar. 24.
Washing apparatus. J. E. Van Dall. 1,816,990; Aug. 4.
Washing apparatus. H. Zemke. 1,817,222; Aug. 4.
Washing apparatus, Bottle-. I. R. Hippenmeyer. 1,787,983; Jan. 6.
Washing apparatus, Car. D. D. Heimburger. 1,801,553; Apr. 21.
Washing apparatus, Car-. W. D. Pomeroy. 1,789,944; Jan. 20.
Washing apparatus, Coal-. W. C. Menzies. 1,790,107; Jan. 27.
Washing appliance. M. T. Kelley. Des. 84,483; June 23.
Washing blue prints and other photoprints. H. J. Brunk. 1,812,470; June 30.
Washing compound. J. A. Seibert. 1,799,930; Apr. 7.
Washing device. J. W. Altmyer. 1,802,862; Apr. 28.
Washing device, Stirring and bottle. W. Hanelt. 1,837,904; Dec. 22.
Washing machine. H. J. Adams. 1,832,079; Nov. 17.
Washing machine. A. W. Altorfer. Re18,185; Sept. 15.
Washing machine. G. P. Anstiss. 1,831,223; Nov. 10.
Washing machine. P. E. Barker. Re17,984; Mar. 3.
Washing machine. C. C. Batina. 1,805,862; May 19.
Washing machine. T. W. Behan. 1,832,352; Nov. 17.
Washing machine. D. C. Bryant. 1,834,936; Dec. 8.
Washing machine. A. W. Burke. Re17,945; Feb. 3.
Washing machine. E. Cowles. 1,790,902; Feb. 3.
Washing machine. H. J. Criner. 1,796,004; Mar. 10.
Washing machine. M. A. Defibaugh. 1,803,382–3; May 5.
Washing machine. M. A. Defibaugh. 1,821,544; Sept. 1.
Washing machine. G. W. Dunham. 1,825,942; Oct. 6.
Washing machine. J. Eckhard. 1,787,427; Jan. 6.
Washing machine. E. W. Finch. 1,789,960; Jan. 27.
Washing machine. P. E. Geldhof. 1,789,939; Jan. 20.
Washing machine. B. E. Getz. Re18,028; Apr. 7.
Washing machine. B. E. Getz. 1,806,289; May 19.
Washing machine. B. E. Getz. 1,829,988; Nov. 3.
Washing machine. H. E. Hering. 1,801,347; Apr. 21.
Washing machine. R. Hoe. 1,789,752; Jan. 20.
Washing machine. C. E. Hovey. 1,831,914; Nov. 17.
Washing machine. D. E. Jackson. 1,819,419; Aug. 18.
Washing machine. W. H. Jaxheimer. 1,807,214; May 26.
Washing machine. G. B. Keil and L. C. Upton. 1,793,093; Feb. 17.
Washing machine. J. H. Kendig. 1,832,560; Nov. 17.
Washing machine. W. E. Kettering and A. B. Hill, jr. 1,813,807; July 7.
Washing machine. L. G. Knapp. 1,816,593; July 28.
Washing machine. A. H. Labisky and O. E. Zahn. 1,814,714; July 14.
Washing machine. F. J. Lasar. 1,789,006; Jan. 13.
Washing machine. E. E. Latta. 1,799,753; Apr. 7.
Washing machine. E. W. Leatherman. 1,797,474; Mar. 24.
Washing machine. A. C. Lyons. 1,796,528; Mar. 17.
Washing machine. P. J. McCormick. 1,814,724; July 14.
Washing machine. L. R. McKercher. 1,806,982; May 26.
Washing machine. C. L. Miller. 1,809,177; June 9.
Washing machine. E. J. Perry. 1,820,487–8; Aug. 25.
Washing machine. J. Reale. 1,802,218; Apr. 21.
Washing machine. T. A. Riall. 1,823,291; Sept. 15.
Washing machine. W. Richmond. 1,800,358; Apr. 14.
Washing machine. J. Rocke. 1,837,372; Dec. 22.
Washing machine. J. I. Russakov. Des. 83,129; Jan. 20.
Washing machine. C. G. T. Salenius. 1,833,437; Nov. 24.
Washing machine. S. E. Schroeder. 1,819,341; Aug. 18.
Washing machine. W. E. Skelton. 1,790,392; Jan. 27.
Washing machine. F. Snyder. 1,825,019; Sept. 29.
Washing machine. H. F. Snyder. 1,789,087; Jan. 13.
Washing machine. C. F. Staples. 1,819,208; Aug. 18.
Washing machine. M. Troy. 1,794,216 Feb. 24.
Washing machine. H. W. Turner. 1,838,595; Dec. 29.
Washing machine. G. Webb. 1,805,558; May 19.
Washing machine and automatic control therefor. F. Schaum. 1,824,237; Sept. 22.
Washing machine apparatus. H. W. Rettew. 1,839,164; Dec. 29.
Washing machine, Bottle-. I. R. Hippenmeyer. 1,787,984; Jan. 6.
Washing machine, Can. H. D. Lathrop. 1,803,627; May 5.
Washing machine carriage. J. L. Perkins and H. D. Croft. 1,826,820; Oct. 13.
Washing-machine casing. W. K. Voss. Des. 83,082; Jan. 13.
Washing machine casing and support therefor, Combined. L. B. Green. Des. 84,219; May 19.
Washing machine casing and support therefor, Combined. L. B. Green. Des. 84,580; July 7.
Washing machine casing and wringer, Combined. J. T. Hume. Des. 84,829; Aug. 11.
Washing machine, Clothes. C. F. Harold. 1,822,215; Sept. 8.
Washing machine dolly. D. P. Wilson. 1,812,029; June 30.
Washing machine for comestibles. R. Speidel. 1,809,736; June 9.
Washing machine, Laundry. C. Burrows. 1,796,504; Mar. 17.
Washing machine or the like. W. B. Rulon. 1,830,293; Nov. 3.
Washing machine, Power. J. A. Dubord. 1,793,845; Feb. 24.
Washing machine, Surface. M. K. Kuchinsky. 1,821,715; Sept. 1.
Washing machine tub. T. W. Behan. 1,826,236; Oct. 6.
Washing machines, Agitator mechanism for. J. Rocke. 1,805,107; May 12.
Washing machines and the like, Use control device for electric. C. F. Spery. 1,801,618; Apr. 21.
Washing machines, Attachment for. H. C. Hirschy. 1,790,584; Jan. 27.
Washing machines, Attachment for. H. B. Robbins. 1,807,874; June 2.
Washing machines, Attachment for the agitators of. J. A. Hoke. 1,795,395; Mar. 10.
Washing machines, Conveyer mechanism for. P. M. Wood. 1,789,720; Jan. 20.
Washing machines, Water throwing apparatus for. G. P. Anstiss. 1,818,029; Aug. 11.
Washstand. E. and E. O. Coderre. 1,834,144; Dec. 1.
Waste can. G. R. Le Sauvage. 1,828,741; Oct. 27.
Waste heat boiler. A. M. Harkness. 1,822,483; Sept. 8.
Waste heat boiler. H. B. Smith. 1,825,289; Sept. 29.
Waste heat boiler. H. B. Smith. 1,826,029; Oct. 6.
Waste mechanism. H. S. Steen. 1,818,653; Aug. 11.
Waste reclamation apparatus. E. S. Pearce. 1,834,174; Dec. 1.
Waste trap. W. J. McCarthy. 1,808,471; June 2.
Waste trap. C. A. Pritchard. 1,833,303; Nov. 24.
Waste vaporizer. W. M. Baxter. 1,788,226; Jan. 6.
Wastes, Method and apparatus for treatment of. F. W. Speer, jr. 1,799,444; Apr. 7.
Watch. J. Bulova. 1,793,995; Feb. 24.
Watch. R. J. Schwarz. 1,828,686–7; Oct. 20.
Watchcase. P. K. Bonebrake. Des. 83,029; Jan. 13.
Watchcase. L. Cohn. Des. 83,721; Mar. 24.
Watchcase. A. P. Conant. 1,796,360; Mar. 17.
Watchcase. C. Oppenheim. Des. 83,746; Mar. 24.
Watchcase. S. G. Perrin. 1,793,414; Feb. 17.
Watchcase. W. Scheibel. Des. 84,496 June 23.
Watchcase. C. Winterhalter. 1,813,009; July 7.
Watchcase and bracelet, Combined. A. V. Stegeman, jr. Des. 83,764; Mar 24.
Watchcase, Waterproof. A. Jandoc. 1,802,080; Apr. 21.
Watchcase with nonbreakable crystal, Dustproof. H. Schwob and J. M. Tripet. 1,838,790; Dec. 29.
Watchcases, Making. E. S. Irelan. 1,812,150; June 30.
Watch charm or similar article. H. Krupp. Des. 83,863; Apr. 7.
Watch cleaning machine. F. Regero. 1,817,266; Aug. 4.
Watch crystals, Article of manufacture for wrist. J. Pief. 1,812,367; June 30.
Watch dial. F. G. Gruen. Des. 83,533; Mar. 3.
Watch dial or similar article. J. P. V. Heinmuller. Des. 84,240; May 26.
Watch dials, etc., Decorating. J. C. McFarland. 1,821,561; Sept. 1.
Watch display box. S. Wolfsheim. Des. 85,312; Oct. 6.
Watch display box. S. Wolfsheim. Des. 85,425; Oct. 27.
Watch fob or similar article. C. Oppenheim. Des. 83,745; Mar. 24.
Watch movements. Controlling the winding and setting means of. J. G. Berger. 1,800,498; Apr. 14.
Watch movements, Method and device for finishing the inner edges of the notches of pallets of. R. Schwaar. 1,831,973; Nov. 17.
Watch novelty. I. Ditesheim. 1,827,567; Oct. 13.
Watch, Novelty. G. Huguenin. 1,817,374; Aug. 4.
Watch protecting case. H. Wagner and A. Ulmer. 1,829,883; Nov. 3.
Watch regulation. E. E. Turner, jr. 1,794,502; Mar. 3.
Watch, Self-winding. M. Reiner. 1,795,617; Mar. 10.
Watch, Self winding. M. Reiner. 1,814,187; July 14.
Watch spring strap, Wrist. R. B. Barton. 1,806,439; May 19.
Watch stem. S. J. Greenway. 1,834,152; Dec. 1.
Watch straps, Extension device for wrist-. L. F. Otten. 1,796,341; Mar. 17.

Watch winder. W. C. Robertson. 1,794,033; Feb. 24.
Watch, Wrist. S. Mathez. 1,818,637; Aug. 11.
Watches, Attachment for. L. S. Hanson. 1,792,904; Feb. 17.
Watches, Strap for wrist. C. Duerr. 1,796,090; Mar. 10.
Water and alcoholic solution, Noncorrosive. W. S. Calcott and H. W. Walker. 1,797,401–2; Mar. 24.
Water, Apparatus for purifying. G. S. Neeley. 1,831,076; Nov. 10.
Water at various temperatures to dental syringes, Apparatus for supplying. C. H. Brown. 1,819,941; Aug. 18.
Water by base exchange, Method of and apparatus for softening. G. S. Apeldorn. 1,797,708; Mar. 24.
Water circulating system, Hot. S. Hartsell. 1,831,244; Nov. 10.
Water circulator, Positive. C. M. Crane. 1,809,888; June 16.
Water closet. J. C. Duner. 1,831,528; Nov. 10.
Water closet. S. Fraser. 1,792,008; Feb. 10.
Water closet. B. Kahn. 1,835,497; Dec. 8.
Water closet bowl. G. Brain. Des. 84,973–4; Sept. 1.
Water closet flush tank. B. O. Tilden. Des. 85,560; Nov. 10.
Watercolor printing. H. N. Durham. 1,838,218; Dec. 29.
Water control device. A. F. Teichman and J. W. Thee. 1,808,385; June 2.
Water control system, Boiler feed. J. M. Barrett. 1,824,423; Sept. 22.
Water control system, Feed. L. V. Warner. 1,801,295; Apr. 21.
Water cooler. L. W. Hassensall. 1,837,660; Dec. 22.
Water cooler. G. J. Huntley. 1,828,970; Oct. 27.
Water cooler. E. Jones. 1,803,393; May 5.
Water cooler. H. K. Pinkerton and F. L. Rhyndress. 1,833,885; Nov. 24.
Water cooler. V. T. Schmitt. Des. 83,999; Apr. 21.
Water cooler fountain, Drinking-. J. A. Macready. Des. 83,687; Mar. 17.
Water cooling apparatus. E. J. Graham. 1,832,701; Nov. 17.
Water cooling system. G. O'Brien. 1,823,661; Sept. 15.
Water-cooling tower. C. F. Braum. 1,794,394; Mar. 3.
Water craft. W. V. Gilbert. 1,823,096; Sept. 15.
Water craft. G. H. Nobbs. 1,819,787; Aug. 18.
Water craft. F. Waller. 1,835,618; Dec. 8.
Water craft, Construction in. H. K. Stack. 1,817,780; Aug. 4.
Water craft, Propelling. A. M. Pratt. 1,805,597; May 19.
Water deaeration. G. H. Gibson. 1,790,911; Feb. 3.
Water, Dechlorinating. E. Berl. 1,805,353; May 12.
Water dispersion of polymerized styrol and product made therefrom. W. A. Gibbons. 1,836,021; Dec. 15.
Water displaying and illuminating device. E. Vedovelli. 1,824,518; Sept. 22.
Water ejector. G. F. Linde. 1,800,302; Apr. 14.
Water elevator. E. S. Patterson. 1,828,231; Oct. 20.
Water feeder, Automatic. C. A. Collins. 1,833,963; Dec. 1.
Water filtration, Method of and apparatus for. A. P. Miller. 1,805,993; May 19.
Water for boilers, Deaerating of feed. J. Sim. 1,800,178; Apr. 14.
Water for domestic use, Apparatus for heating. G. M. Conekin. 1,830,930; Nov. 10.
Water from aqueous acetic acid, Removing. H. T. Clarke and D. F. Othmer. 1,804,745; May 12.
Water from boats, Automatically removing. E. Slater. 1,803,567; May 5.
Water from clothes and the like, Apparatus for extracting. E. B. Thompson. 1,803,412; May 5.
Water from motor boats, Removing. J. F. Petre. 1,813,255; July 7.
Water gas and oil gas, Manufacturing mixed. C. W. Andrews and H. A. Brassert. 1,821,050; Sept. 1.
Water-gas apparatus, Carbureted-. W. J. McClurg. 1,788,400; Jan. 13.
Water-gas process. W. J. Edmonds. 1,799,359; Apr. 7.
Water gate. W. H. Cogley. 1,820,441; Aug. 25.
Water gauge, High pressure. E. L. Hopping. 1,802,512; Apr. 28.
Water heater. H. Ahaltzer. 1,789,127; Jan. 13.
Water heater. W. A. Ahern. 1,807,951; June 2.
Water heater. T. B. Allardice. 1,797,749; Mar. 24.
Water heater. T. G. Arrowsmith. 1,790,454; Jan. 27.
Water heater. W. Baden. 1,820,425; Aug. 25.
Water heater. F. J. Bedner. 1,824,111; Sept. 22.
Water heater. W. G. Bell. 1,793,579; Feb. 24.
Water heater. F. W. Birtch. 1,829,334; Oct. 27.
Water heater. H. O. Bree. 1,802,316; Apr. 21.
Water heater. A. P. Brill. 1,828,023; Oct. 20.
Water heater. C. G. Carlson. 1,810,642; June 16.
Water heater. F. G. Corbus. 1,816,177; July 28.
Water heater. P. H. Ferrier, jr. 1,818,057; Aug. 11.
Water heater. E. M. Heathman. 1,827,521; Oct. 13.
Water heater. J. Hickey. 1,808,166; June 2.
Water heater. E. J. Horton. 1,796,523; Mar. 17.
Water heater. H. S. Humphrey. 1,815,257; July 21.
Water heater. A. T. Johanson. 1,820,979; Sept. 1.
Water heater. O. J. Kay. Des. 83,681; Mar. 17.
Water heater. T. King. 1,793,323; Feb. 17.
Water heater. C. A. Leland, jr. 1,823,803; Sept. 15.
Water heater. J. H. Mackley. 1,810,774; June 16.
Water heater. J. P. Morley. 1,805,222; May 12.
Water heater. J. P. Morley. 1,825,326; Sept. 29.
Water heater. J. H. Newport. 1,813,253; July 7.
Water heater. C. G. O'Hara. 1,797,922; Mar. 24.
Water heater. C. B. Page and A. C. Kalk. 1,829,535; Oct. 27.
Water heater. H. E. Paget. 1,820,318; Aug. 25.
Water heater. L. E. Peters. 1,835,329; Dec. 8.
Water heater. T. A. Ronstrom. 1,808,820; June 9.
Water heater. R. Roussel. 1,801,642; Apr. 21.
Water heater. S. Sambor. 1,791,607; Feb. 10.
Water heater. E. G. Schnepp. 1,802,578; Apr. 28.
Water heater. H. R. Stuckwisch. 1,817,214; Aug. 4.
Water heater. W. B. Thayer. 1,791,983; Feb. 10.
Water heater. A. J. Thomas. 1,833,504; Nov. 24.
Water heater. R. B. Thomas. 1,837,597; Dec. 22.
Water heater. J. Wilhelm. 1,832,440; Nov. 17.
Water heater. W. Witzler and P. F. G. Güth. 1,806,378; May 19.
Water heater. W. W. Ziegler. 1,830,866; Nov. 10.
Water heater, Automatic electric. J. W. Gittler. 1,797,861; Mar. 24.
Water heater, Electric. H. W. Christian. 1,829,785; Nov. 3.
Water heater, Electric. W. J. Hammers. Re18,160; Aug. 25.
Water heater, Electric. L. P. Hynes. 1,827,087; Oct. 13.
Water heater, Electric. R. W. Linville. 1,814,319; July 14.
Water heater, Electric. G. T. Max. 1,818,808; Aug. 11.
Water heater, Electric. P. Palumbo. 1,837,992; Dec. 22.
Water heater, Electric. L. Shuman. 1,809,077; June 9.
Water heater, Electrical. W. W. Hicks. 1,791,095; Feb. 3.
Water heater, Electrical. F. A. E. Jenkins. 1,820,458; Aug. 25.
Water heater, Electrically operated H. Heroy. 1,809,899; June 16.
Water heater, Feed. P. Dugelay. 1,816,518; July 28.
Water heater, Feed-. S. O. A. Fiedler. 1,794,161; Feb. 24.
Water heater, Feed. S. O. A. Fiedler. 1,813,041; July 7.
Water heater, Feed. J. F. Grace. 1,816,841; Aug. 4.
Water heater, Feed. J. F. Grace. 1,817,075; Aug. 4.
Water heater, Feed. C. R. Hardy. Des. 84,781; Aug. 4.
Water heater, Feed-. A. T. Kasley. 1,790,154; Jan. 27.
Water heater, Feed-. T. C. McBride. 1,796,717; Mar. 17.
Water heater, Feed. E. L. and C. A. Schellens. 1,803,772; May 5.
Water heater, Feed. E. L. and C. A. Schellens. 1,822,459; Sept. 8.
Water heater, Feed-. C. G. Schultz. 1,789,501; Jan. 20.
Water heater, Gas. V. Mauck. 1,787,989; Jan. 6.
Water heater, Gas. A. T. Sponar. 1,804,123; May 5.
Water heater, Gas. A. T. Sponar. 1,810,887; June 16.
Water heater, Gas fired. H. J. Carson. 1,816,419; July 28.
Water heater, Hot top. J. L. Stone. 1,832,332; Nov. 17.
Water heater, Indirect. C. H. Morrow. 1,791,531; Feb. 10.
Water heater, Jet-type. J. A. Powell. 1,800,356; Apr. 14.
Water heater, Poultry. H. F. Rau. 1,787,703; Jan. 6.
Water heater, Solar. R. W. Eaton. 1,802,635; Apr. 28.
Water heater, Storage automatic. V. J. Evans. 1,817,549; Aug. 4.
Water heater, Tender-feed-. C. A. Schellens. 1,789,713; Jan. 20.
Water heater, Tender feed. C. A. Schellens. 1,816,874; Aug. 4.
Water heating and other heat transfer apparatus. J. Hickey and W. M. Wright. 1,835,046; Dec. 8.
Water heating device, Electrical. I. R. and F. J. McGowen. 1,817,090; Aug. 4.
Water heating means, Controlled. G. F. Archer. 1,819,057; Aug. 18.
Water heating, Multistage feed. F. Hodgkinson. 1,804,616; May 12.
Water heating tank. W. A. Graham. 1,817,685; Aug. 4.
Water immiscible bodies, Producing aqueous dispersions of. W. B. Pratt. 1,833,038; Nov. 24.
Water insoluble substances, Emulsifying. H. Bennett. 1,807,563; May 26.
Water-level control, Circulating. R. B. Everson. 1,800,378; Apr. 14.
Water-level-controlling means. W. H. Martin. 1,795,497; Mar. 10.
Water level indicator, Battery. L. R. Willits. 1,816,993; Aug. 4.
Watermarking plates, Preparing. H. Brown. 1,796,080; Mar. 10.
Water meter. E. Granger. 1,834,025; Dec. 1.
Water meter. L. G. Haase. 1,827,230; Oct. 13.
Water mixer, Thermostatic. M. O. Snediker. 1,819,045; Aug. 18.
Water motor. L. L. Hoskinson. 1,800,530; Apr. 14.
Water motor. C. P. Howard. 1,819,098; Aug. 18.
Water pipe, High-pressure. R. Krauss. 1,801,091; Apr. 14.
Water-power device. J. H. Huffstutter. 1,797,089; Mar. 17.
Waterproof bather's case. S. Heilweil. 1,809,696; June 9.
Waterproof construction material. J. H. Plunkett. 1,813,081; July 7.
Waterproof felted sheet. L. Kirschbraum. 1,827,701; Oct. 13.
Waterproofing. J. A. Patiño. 1,825,199; Sept. 29.
Waterproofing composition and preparing same. O. E. Cushman and B. B. Farrington. 1,821,932; Sept. 8.

Waterproofing compound for leather. J. E. Johnson. 1,836,756; Dec. 15.
Waterproofing material and process therefor. M. T. Harvey. 1,838,075; Dec. 22.
Water propulsion device. L. J. and H. L. Johnson. 1,824,740; Sept. 22.
Water purifier. E. J. Brock. 1,794,395–6; Mar. 3.
Water, Purifying. G. W. Dooley. 1,812,516; June 30.
Water, Purifying. K. P. McElroy. 1,811,587; June 23.
Water-purifying material and preparing and using the same. G. Borrowman. 1,793,670; Feb. 24.
Water-recooling apparatus. W. H. Sippel and J. E. Farnsworth. 1,790,489; Jan. 27.
Water regulator, Feed. B. F. Dowd. 1,826,058; Oct. 6.
Water repellent material and product thereof, Process and composition for rubberizing. M. Teague. 1,802,127; Apr. 21.
Water resistant, animal protein adhesive, and the product thereof, Making a. H. F. Rippey, C. N. Cone, G. Davidson, I. F. Laucks, and H. P. Banks. 1,814,768; July 14.
Water screen, Traveling. L. G. Bleyer. 1,815,137; July 21.
Water, Separating particles from free. C. B. Thorne. 1,826,485; Oct. 6.
Water softener. E. Breuil. 1,834,045; Dec. 1.
Water softener. A. J. Dotterweich. 1,828,282; Oct. 20.
Water softener. C. P. Eisenhauer. 1,831,656; Nov. 10.
Water softener. L. G. Lindsay. 1,789,314; Jan. 20.
Water softener. L. G. Lindsay. 1,811,890; June 30.
Water softener, Base-exchange. G. S. Apeldorn. 1,797,709; Mar. 24.
Water softener, Multiple flow base exchange. C. T. McGill. 1,818,638; Aug. 11.
Water softeners and chemical feeds therefor, Apparatus for automatic. E. S. Henry. 1,809,166; June 9.
Water, Softening. C. P. Hoover. 1,823,605; Sept. 15.
Water softening. A. G. Horvath. 1,825,631; Sept. 29.
Water softening apparatus. A. J. Dotterweich. 1,834,387; Dec. 1.
Water-softening apparatus. W. H. Green. 1,794,765; Mar. 3.
Water softening apparatus and automatically controlling the cycles in a water softening system. F. X. and E. J. Lauterber and H. L. Mintchell. 1,804,834; May 12.
Water softening device, Toilet tank. D. G. Marks. 1,803,860; May 5.
Water softening systems, Brine control for. W. E. Dunbar. 1,830,353; Nov. 3.
Water-soluble anthraquinone glucosides from drugs containing the same, Isolation of. F. Kayser and K. Schranz. 1,796,109; Mar. 10.
Water sterilizing filling device. H. J. Heins. 1,816,012; July 28.
Water supply heater. A. J. Kercher. 1,824,155; Sept. 22.
Water supply means for concrete mixers. F. Aspden. 1,825,039; Sept. 29.
Water-supply system. H. W. Rottel. 1,798,275; Mar. 31.
Water supply system, Deep well. A. Penn. 1,814,454; July 14.
Water supply system, Hot. G. R. Tellander. 1,810,798; June 16.
Water system, Automatic vacuum pressure gravity. H. L. Boggs. 1,825,772; Oct. 6.
Water to sprayers and the like, Apparatus for controlling the passage of. D. Elder. 1,812,586; June 30.
Water to steam boilers, Feeding. I. D. Lookingland. 1,804,172; May 5.
Water treating apparatus and method. E. D. Lewis. 1,821,266; Sept. 1.
Water treatment, Boiler-feed-. P. M. Contant. 1,788,149; Jan. 6.
Water treatment device. H. N. Jenks. 1,805,667; May 19.
Water treatment, Hot. P. M. Contant. 1,819,149; Aug. 18.
Water tube boiler. A. Huster. 1,836,119; Dec. 15.
Water tube boiler. J. Johnson. 1,816,750; July 28.
Water-tube boiler. H. J. Kerr. 1,788,162; Jan. 6.
Water-tube boiler. J. Kölling. 1,791,626; Feb. 10.
Water-tube boiler. F. Kröpelin. 1,796,604; Mar. 17.
Water tube boiler. J. B. McKenna. 1,815,377; July 21.
Water-tube boiler. C. U. Savoye and H. J. Kerr. 1,788,207; Jan. 6.
Water tube boiler. R. V. S. Théry. 1,829,119; Oct. 27.
Water-tube boiler. H. E. Yarrow. 1,789,799; Jan. 20.
Water tube boiler. H. E. Yarrow. 1,839,074; Dec. 29.
Water tube boiler, Double circuit forced circulation. C. E. Lucke. 1,828,870; Oct. 27.
Water tube boiler, Single circuit. C. E. Lucke. 1,828,814; Oct. 27.
Water wave comb. W. F. Hudson. 1,823,361; Sept. 15.
Water waving comb. A. Janda. 1,818,401; Aug. 11.
Water wheel. G. M. Ask. 1,804,583; May 12.
Water wheel. V. Bawlf. 1,789,130; Jan. 13.
Water wheel. E. F. Smith and C. D. Smith. 1,811,031; June 23.
Water wheel. S. H. Taylor. 1,796,065; Mar. 10.
Water wheel, Power. D. Dreier. 1,830,985; Nov. 10.
Water while freezing ice, Apparatus for agitating. M. T. Zeigler. 1,788,503; Jan. 13.
Water wings. P. Blagoeff. 1,824,761; Sept. 29.
Water wings. F. Fenton. 1,810,556; June 16.
Waterer, Baby chick. W. Jevons. 1,828,048; Oct. 20.
Waterer, Chicken. M. E. Fisher. 1,835,939; Dec. 8.
Waterer, Chicken. C. Johnson and M. H. Keating. 1,824,154; Sept. 22.
Waterer, Stock. A. I. Ralston. 1,813,318; July 7.
Watering fountain. J. Haynes. 1,810,829; June 16.
Watering fountain, Automatic stock-. C. Pelmulder. 1,793,431; Feb. 17.
Watering tank, Stock. E. Fishburn. 1,837,611; Dec. 22.
Waterings from goffered films, Removal of. R. Berthon. 1,807,822; June 2.
Watt-hour meter. M. Bower. 1,823,929; Sept. 22.
Wattmeter, High frequency. D. E. Richardson. 1,827,333; Oct. 13.
Wave amplifying system. E. Bruce and H. T. Friis. 1,804,087; May 5.
Wave antenna. R. H. Ranger. 1,816,614; July 28.
Wave-changer system. A. M. Trogner. 1,794,262; Feb. 24.
Wave energy, Conservator of. J. C. Avakian. 1,790,219; Jan. 27.
Wave frequencies, Recording and reproducing. R. B. T. Kiliani. 1,828,189; Oct. 20.
Wave generating and modulating system. H. S. Black. 1,788,560; Jan. 13.
Wave lengths, Elimination of fading on short. H. H. Beverage and H. O. Peterson. 1,819,589; Aug. 18.
Wave machine. P. E. Klopsteg. 1,825,739; Oct. 6.
Wave modulation and applications thereof. E. Peterson. 1,810,326; June 16.
Wave motor. J. Gallagher. 1,816,044; July 28.
Wave motor. M. I. Hansen. 1,799,848; Apr. 7.
Wave motor. W. R. Mobley. 1,835,572; Dec. 8.
Wave motor. A. Petersen. 1,796,618; Mar. 17.
Wave motor. S. I. Schwabacher. 1,811,565; June 23.
Wave motor. J. J. Usher. 1,818,365; Aug. 11.
Wave oscillator, Short. A. Esau. 1,806,245; May 19.
Wave-receiving apparatus. P. E. McIver. 1,790,054; Jan. 27.
Wave reproducing device and process concerning the same. C. P. Madsen. 1,823,457; Sept. 15.
Wave signaling system, Electric. H. W. Dudley. 1,836,841; Dec. 15.
Wave signaling systems. F. X. Rettenmeyer. 1,804,952; May 12.
Wave transmission. E. L. Morton. 1,799,634; Apr. 7.
Wave-transmission system. A. C. Dickieson. 1,795,479; Mar. 10.
Wave transmission system. R. C. Mathes. 1,819,614; Aug. 18.
Wave transmission system. R. C. Mathes. 1,819,648–9; Aug. 18.
Wave transmission system. R. A. Miller. 1,823,659; Sept. 15.
Wave transmission system, Electric. L. J. Sivian. 1,832,431; Nov. 17.
Wave transmission with narrowed bands. J. C. Steinberg. 1,836,824; Dec. 15.
Wave transmitting and amplifying. R. A. Heising. 1,823,322; Sept. 15.
Waving hair. E. W. Boyden. Re18,088; June 2.
Waving hair, Apparatus for. F. E. Tiracchini. 1,801,402; Apr. 21.
Waves, Producing compressional. M. R. Hutchison. 1,818,960; Aug. 11.
Wax and compound heating apparatus. D. S. Lockwood. 1,792,434; Feb. 10.
Wax from mineral oils, Separating. H. T. Bennet. 1,820,645; Aug. 25.
Wax, High melting point. C. C. Buchler. 1,828,354; Oct. 20.
Wax, Setting. A. J. Zurflieh. 1,800,041; Apr. 7.
Wax, Treatment of Montan. F. W. Guthke and W. Pungs. 1,834,056; Dec. 1.
Waxer and polisher, Combined floor. J. R. Campbell. 1,824,534; Sept. 22.
Waxes, Production of products resembling natural. W. Pungs and K. Behringer. 1,834,865; Dec. 1.
Waxing and polishing device. G. H. Nobbs. 1,831,463; Nov. 10.
Waxing and polishing machine, Floor. G. A. Isenman and G. I. Johnson. 1,794,460; Mar. 3.
Way drill, Hydraulically-operated. R. M. Galloway. 1,787,781; Jan. 6.
Wear compensating bolt. G. C. Monckmeier. 1,829,940; Nov. 3.
Weatherproofing material. A. C. Fischer. 1,807,836; June 2.
Weather strip. R. M. Burns. 1,798,720; Mar. 31.
Weatherstrip. E. F. Cook. 1,790,973; Feb. 3.
Weatherstrip. E. E. Greene. 1,838,544; Dec. 29.
Weather strip. W. P. Heinen. 1,787,523; Jan. 6.
Weather strip. J. F. Levan. 1,832,225; Nov. 17.
Weather strip apparatus. F. L. Michaels. 1,812,840; June 30.
Weatherstrip, Automatically actuated. E. J. Chandler. 1,805,512; May 19.
Weather strip construction for window frames and sashes. O. M. Edwards and E. F. Chaffee. 1,837,029; Dec. 15.
Weather-strip construction for window sashes. H. A. Cronmiller, and E. F. Chaffee. 1,800,008; Apr. 7.
Weatherstrip, Door and sill. H. J. O. Reed. 1,802,834; Apr. 28.
Weatherstrip for swinging closures. L. W. Emler 1,794,887; Mar. 3.
Weather-strip for swinging double doors. J. D. Murphy. 1,796,043; Mar. 10.

Weather strip, Metallic. L. A. Macklanburg. 1,834,031; Dec. 1.
Weather strip vertical, Reversible revolving door. L. F. Reese. 1,834,867; Dec. 1.
Weather stripping. L. F. Julien. 1,806,018; May 19.
Weather stripping. L. A. Macklanburg. 1,808,423; June 2.
Weaving. J. P. Costello and F. O'Connell. 1,802,907: Apr. 28.
Weaving. M. D. Debouttevillle. 1,826,654; Oct. 6.
Weaving. A. G. Fromuth. 1,795,770; Mar. 10.
Web-control mechanism. L. Jensen. 1,791,212; Feb. 3.
Web converting apparatus. W. H. Cannard. 1,823,877; Sept. 22.
Web-cutting mechanism. A. Weis and F. Schippers. 1,797,278; Mar. 24.
Web-feeding mechanism. G. W. Swift, jr. 1,790,559; Jan. 27.
Web-folding machine. L. Jensen and C. Winters. 1,832,556; Nov. 17.
Web folding mechanism. L. Jensen and C. Winters. 1,832,557; Nov. 17.
Web guide roller. H. A. W. Wood. 1,805,197; May 12.
Webbing retainer. J. T. Urban. 1,836,415; Dec. 15.
Webbing support for upholstery. A. J. Galla. 1,836,463; Dec. 15.
Webbing, Ventilated. G. H. Sauermann. 1,825,924; Oct. 6.
Webholders, Selective control of. J. A. Pons. 1,821,848; Sept. 1.
Web holding machine. J. A. Flood. 1,823,264; Sept. 15.
Web measuring and cutting mechanism. H. R. Williams. 1,834,299; Dec. 1.
Web printing press, Rotary. H. M. Barber. 1,833,626; Dec. 8.
Web, Reenforced. B. Darrow. 1,800,179; Apr. 7.
Web roll changer. H. V. Ball and W. Ogden. 1,811,872; June 30.
Web roll changer. A. J. Horton. 1,829,719; Oct. 27.
Web roll controlling mechanism. H. V. Ball and A. J. Horton. 1,815,179; July 21.
Web roll controlling mechanism. H. V. Ball and A. J. Horton. 1,828,898; Oct. 27.
Web supplying and controlling mechanism. M. W. Brueshaber. 1,829,337; Oct. 27.
Web-tensioning device. M. Feybusch. 1,792,081; Feb. 10.
Webs, Controlling. J. A. Cameron. 1,838,612; Dec. 29.
Webs, Device for punching or similarly treating continuously running. P. Gangler. 1,831,167; Nov. 10.
Webs of fabric and the like with different colors, Spraying of. J. Groetschel. 1,807,979; June 2.
Webs, Method and apparatus for making continuous. G. J. Esselen, jr. 1,837,854; Dec. 22.
Wedding ring. B. Broom. Des. 83,144; Jan. 27.
Wedding ring. D. E. Carlson. Des. 83,955; Apr. 21.
Wedding ring. D. E. Carlson. Des. 84,026; Apr. 28.
Wedding ring. M. Cohen. 1,830,929; Nov. 10.
Wedding ring. G. E. Erickson. Des. 84,031; Apr. 28.
Wedding ring. J. Granat. 1,792,422; Feb. 10.
Wedding ring. G. Monin. Des. 84,708–9; July 21.
Wedding ring or similar article. M. Kronstadt. Des. 85,103; Sept. 15.
Wedge coupled joint. E. M. Erlandson. 1,823,971; Sept. 22.
Wedge device. P. H. Meyer. 1,836,930; Dec. 15.
Wedge key block. W. J. Miller and F. R. Jones. 1,824,729; Sept. 22.
Wedge, Sectional. F. Spanier. 1,806,718; May 26.
Wedge to adjust slack between buffer on engine and tender, Automatic. H. M. Lund. 1,830,365; Nov. 3.
Weed cutter. H. L. Booth. 1,816,890; Aug. 4.
Weed cutter. S. Giandalia. 1,788,764; Jan. 13.
Weed cutter. J. Laska. 1,813,540; July 7.
Weed destroying implement. L. J. Leon. 1,836,259; Dec. 15.
Weed exterminator. K. L. Carman. 1,832,182; Nov. 17.
Weed exterminator. D. D. Law. 1,833,907; Dec. 1.
Weed exterminator. A. C. Lee. 1,807,695; June 2.
Weed exterminator. M. Schling. 1,836,686; Dec. 15.
Weed killer. W. H. Bergmann. 1,812,427; June 30.
Weed picker. J. Gavriloff. 1,809,687; June 9.
Weed puller. T. J. Free. 1,796,780; Mar. 17.
Weed puller. E. G. Mihaliak. 1,832,647; Nov. 17.
Weeder. B. V. Bensch. 1,788,272; Jan. 6.
Weeder. C. M. Hartwell. 1,814,216; July 14.
Weeder. J. H. Imus. 1,829,934; Nov. 3.
Weeder. G. H. Sheard. 1,788,360; Jan. 6.
Weeder. H. A. Shelkofsky. 1,822,675; Sept. 8.
Weeder and cultivator, Combined. W. J. Free. 1,814,029, July 14.
Weeder attachment. J. Murphy. 1,814,404; July 14.
Weeder, Rotary. J. H. Allen. 1,796,228; Mar. 10.
Weeder, Rotary rod. C. C. Calkins. 1,818,532; Aug. 11.
Weeder, Rotary rod. C. W. Robinson. 1,801,979; Apr. 21.
Weeding apparatus. H. A. Dech. 1,819,544; Aug. 18.
Weeding device. E. L. Rasmussen. 1,795,441; Mar. 10.
Weeds and vegetation along right-of-way of railroads, Device for destroying. A. W. Kirkland. 1,832,030; Nov. 17.
Weft carrier magazines, Giveway and thread guiding device for. R. G. Turner. 1,807,763; June 2.
Weft detector controlling device. A. J. Chevrette. 1,811,426; June 23.
Weft detector, Side slip. C. E. Brown. 1,832,525; Nov. 17.
Weft ends of weft carriers, Handling. R. G. Turner. 1,807,717; June 2.
Weft holding device. J. Gabler. 1,827,646; Oct. 13.
Weft threading device for the shuttles of automatic and other looms. F. H. Mezeray. 1,819,189; Aug. 18.
Wehnelt-cathode. E. H. Reerink and J. G. W. Mulder. 1,821,359; Sept. 1.
Weigher. G. H. Messiter. 1,808,930; June 9.
Weighing and mixing machine, Aggregate. E. H. Lichtenberg. 1,798,424; Mar. 31.
Weighing and sorting machine, Automatic egg. C. Smith. 1,824,693; Sept. 22.
Weighing and ticket printing machine. G. F. Hochriem. 1,802,380; Apr. 28.
Weighing apparatus. A. J. Michelin. 1,831,186; Nov. 10.
Weighing apparatus. A. F. Moyer. 1,790,509; Jan. 27.
Weighing apparatus. W. Timson. 1,815,995; July 28.
Weighing apparatus. C. F. M. van Berkel. 1,829,315–16; Oct. 27.
Weighing apparatus, Automatic. O. B. Foerster. 1,793,169; Feb. 17.
Weighing apparatus, Electric. F. W. Roller. 1,826,024; Oct. 6.
Weighing attachment for meat slicers. F. S. Hines. 1,807,313; May 26.
Weighing batcher. W. M. Venable. 1,808,799; June 9.
Weighing device. F. W. Adams and C. E. Moulson. 1,802,327; Apr. 28.
Weighing device. E. Karrer. 1,798,538; Mar. 31.
Weighing device, Automatic. C. H. Watson. 1,835,104; Dec. 8.
Weighing device for vehicles. H. M. Swartley. 1,803,041; Apr. 28.
Weighing machine. G. F. Hochriem and F. S. Deschermeier. 1,796,370; Mar. 17.
Weighing machine. T. Rival. 1,833,263; Nov. 24.
Weighing machine, Automatic. W. E. Cooper and F. A. Quiroz. 1,790,366; Jan. 27.
Weighing machine, Automatic. O. Meyer. 1,803,913; May 5.
Weighing machines, Feed mechanism for. G. W. Gwinn. 1,838,177; Dec. 29.
Weighing machines, Material receptacle for automatic. W. Kader. 1,794,299; Feb. 24.
Weighing means for tobacco scrap, Automatic. J. A. Allen. 1,798,776; Mar. 31.
Weighing mechanism for concrete components. O. G. Mandt. 1,788,580; Jan. 13.
Weighing mechanism for slicing machines. C. F. M. van Berkel. 1,827,917; Oct. 20.
Weight, Counterbalance. N. Stevelman. 1,814,610; July 14.
Weight indicator. R. A. Lincoln. 1,822,628; Sept. 8.
Weight-operated switch. S. Schneider and M. M. Rossinow. 1,788,336; Jan. 6.
Weight, Paper. C. E. Cole. 1,813,280; July 7.
Weight, Paper. R. Johnson. Des. 83,255; Feb. 10.
Weight, Sheet metal governor. O. Wulfert. 1,809,007; June 9.
Welded article. W. R. Hume. 1,807,477; May 26.
Welded structures, Apparatus for the manufacture of. T. A. Lucy. 1,823,551; Sept. 15.
Welder and flash stripper, Combined electric. F. P. McBerty. 1,832,719; Nov. 17.
Welding. M. B. Bayant and W. J. Beatty. 1,808,205; June 2.
Welding. H. Bock. 1,834,444; Dec. 1.
Welding. C. A. Bowlus. 1,822,197; Sept. 8.
Welding. G. T. Jacocks. 1,812,151; June 30.
Welding. C. T. Siebs. 1,827,210; Oct. 13.
Welding apparatus. J. A. Baker. 1,818,665; Aug. 11.
Welding apparatus. L. E. Long. 1,794,912; Mar. 3.
Welding apparatus. E. J. O'Connell. 1,804,269; May 5.
Welding apparatus. A. D. Ross. 1,803,135; Apr. 28.
Welding apparatus. C. T. Siebs and T. A. Daniel. 1,833,660; Nov. 24.
Welding apparatus and arc welding, Arc. K. L. Hansen. 1,811,672; June 23.
Welding apparatus, Arc. K. L. Hansen. 1,811,669; June 23.
Welding apparatus, Electric. H. S. Holmes. 1,812,295; June 30.
Welding apparatus, Electric. J. W. Meadowcroft. 1,794,789; Mar. 3.
Welding apparatus, Electropercussive. L. J. Buttolph. 1,788,908; Jan. 13.
Welding, Apparatus for electric. W. J. Miller. 1,804,059; May 5.
Welding, Apparatus for electric-arc. W. Richter. 1,792,243; Feb. 10.
Welding apparatus, Spot-. T. M. Hunter. 1,796,892; Mar. 17.
Welding, Arc. H. J. Burnish. 1,810,005; June 16.
Welding chill, Arc. F. Palm. 1,806,949; May 26.
Welding chill, Arc. H. A. Schmitz, jr. 1,806,954; May 26.
Welding composition. J. A. Healy. 1,796,329; Mar. 17.
Welding composition. H. J. Morgan. 1,803,634; May 5.
Welding, Electric. J. F. Lawson. 1,805,549; May 19.
Welding, Electric-arc. H. J. Burnish. 1,794,363; Mar. 3.
Welding, Electric arc. H. J. Burnish. 1,807,961; June 2.
Welding, Electric arc. K. Strobel. 1,806,958; May 26.
Welding handle. H. C. Sadler. 1,811,156; June 23.
Welding including the employment of an air current, Electric. I. W. Day. 1,807,971; June 2.

Welding machine. C. A. Bowlus. 1,792,066; Feb. 10.
Welding machine. V. J. Chapman. 1,801,140; Apr. 14.
Welding machine. P. W. Fassler. 1,826,207; Oct. 6.
Welding machine. H. S. Holmes. 1,802,817; Apr. 28.
Welding machine. G. A. Hughes and R. H. Pool. 1,794,406; Mar. 3.
Welding machine. W. F. Pioch and C. J. Martin. 1,822,371; Sept. 8.
Welding machine. H. S. Powell. 1,796,345; Mar. 17.
Welding machine. E. Riemenschneider. 1,816,231; July 28.
Welding machine. F. L. Sessions. 1,808,261; June 2.
Welding machine, Automatic arc. L. D. McIlvin. 1,818,859; Aug. 11.
Welding machine, Automatic arc. P. Wagner and S. Sandelowsky. 1,809,653; June 9.
Welding machine, Chain. E. E. Stuller. 1,833,444; Nov. 24.
Welding machine, Contact-. F. W. Doyle. 1,794,760; Mar. 3.
Welding machine, Electric. A. E. Arnold. 1,838,899; Dec. 29.
Welding machine, Electric. W. R. Hume. 1,820,139; Aug. 25.
Welding machine, Electrical resistance. C. G. L. Sjölander. 1,797,624; Mar. 24.
Welding machine, Lap. E. Bryan. 1,813,727; July 7.
Welding machine, Pressure. F. J. Brown. 1,799,724; Apr. 7.
Welding machine, Spiral-pipe-. J. R. Freeze. 1,793,281; Feb. 17.
Welding machine, Wheel. J. W. Hughes. 1,817,193; Aug. 4.
Welding method. H. J. Morgan. 1,791,968; Feb. 10.
Welding method. H. J. Morgan. 1,824,166; Sept. 22.
Welding method and apparatus. T. E. Murray, jr. 1,816,864; Aug. 4.
Welding, Method and apparatus for. E. Pugh. 1,810,225; June 16.
Welding, Method and apparatus for arc. K. Strobel. 1,787,600; Jan. 6.
Welding, Method of and apparatus for. C. T. Siebs. 1,806,121; May 19.
Welding, Method of and apparatus for percussive. L. W. Chubb. Re17,949; Feb. 3.
Welding of pipe joints, Electric arm. H. J. Burnish. 1,810,902; June 23.
Welding plant, Electric arc. R. J. Musto. 1,810,251; June 16.
Welding process, Chemico-thermal. B. Burns, H. B. Lewis, and R. M. Otis. 1,806,738; May 26.
Welding process, Electric. O. L. Mills. 1,817,092; Aug. 4.
Welding rod. F. A. Fahrenwald. 1,815,464; July 21.
Welding rod. F. J. Rode. 1,835,899–900; Dec. 8.
Welding rod. W. F. and S. M. Stoody. 1,825,829; Oct. 6.
Welding segment. H. S. Holmes. 1,811,500; June 23.
Welding similar operations, Indicating electric. G. H. Phelps. 1,793,245; Feb. 17.
Welding system. C. J. Holslag and L. E. Widmark. 1,835,040; Dec. 8.
Welding tubular connections for thick-walled vessels, Electrically. T. M. Jasper. 1,787,580; Jan. 6.
Welding without electrical leakage. W. E. Crawford and C. F. Kurtze. 1,804,461; May 12.
Weldrods, Forming and feeding. H. J. Burnish. 1,820,649; Aug. 25.
Welds, Annealing fusion. S. W. Miller. 1,828,977; Oct. 27.
Welds, Making electric resistance. T. E. Murray, jr. and G. H. Phelps. 1,832,497; Nov. 17.
Well and attachment, Ink. S. J. Roberts. 1,833,858; Nov. 24.
Well appliance. J. W. Heeter. 1,814,800; July 14.
Well bailing device. B. K. Appleman. 1,813,134; July 7.
Well bit. J. C. Wright and L. F. Bonney. 1,805,898; May 19.
Well boring, spudding, and baling apparatus. G. E. Sawyer and J. W. Smith. 1,793,872; Feb. 24.
Well capper. H. G. Retherford and S. T. Elmore. 1,803,945; May 5.
Well capping device. L. A. Teed. 1,807,498; May 26.
Well casing and removing the same from a well. O. A. Cavins. 1,803,839; May 5.
Well casing jack. W. D. McCarley. 1,817,261; Aug. 4.
Well casing lifter. I. W. Neeley. 1,801,448; Apr. 21.
Well cementing. E. V. Crowell. 1,828,098; Oct. 20.
Well, Cementing a. H. P. Stolz. 1,807,050; May 26.
Well cementing apparatus. R. C. Baker. 1,819,668; Aug. 18.
Well cementing apparatus. S. J. Murphy. 1,830,851; Nov. 10.
Well cutting sampler. O. Hatcher and E. L. Byers. 1,810,827; June 16.
Well device. M. P. Borgo and L. S. Sorenson. 1,816,207; July 28.
Well drill. L. Tomanek. 1,833,477; Nov. 24.
Well drilling apparatus. R. D. Dodds. 1,811,002; June 23.
Well drilling apparatus. J. C. Fortune. 1,807,837; June 2.
Well drilling apparatus. J. J. Gault. 1,826,396; Oct. 6.
Well drilling apparatus. H. A. Pippin. 1,826,634; Oct. 6.
Well drilling apparatus. W. Sheldon. 1,801,391; Apr. 21.
Well drilling apparatus. W. Sheldon. 1,812,721; June 30.
Well drilling apparatus, Core position indicator for. J. E. Abler. 1,803,785; May 5.
Well drilling bit. W. A. Abegg. 1,828,165; Oct. 20.
Well-drilling bit. R. D. Martin. 1,799,473; Apr. 7.
Well drilling bit. J. C. Wright. 1,805,899; May 19.
Well drilling bit. J. C. Wright and L. F. Bonney. 1,836,638; Dec. 15.
Well drilling bit set. P. Christensen. 1,836,703; Dec. 15.
Well-drilling devices, Attachment for. J. J. Randolph. 1,798,108; Mar. 24.
Well drilling, Jar mechanism for. W. D. Shaffer. 1,803,732; May 5.
Well-drilling machine, Deep-. P. A. Hunicke. 1,799,559; Apr. 7.
Well drilling machinery. H. Traeger and F. H. Jensen. 1,825,984; Oct. 6.
Well-drilling mechanism. R. C. Mason. 1,792,108; Feb. 10.
Well-drilling rigs, Pipe-gripping means for rotary. L. J. Black. 1,796,500; Mar. 17.
Well flowing apparatus. J. E. B. Daniel. 1,793,780; Feb. 24.
Well flowing device, Automatic. A. Boynton. 1,793,671; Feb. 24.
Well flowing device, Automatic. A. Boynton. 1,806,872; May 26.
Well, Gas tight sampling. S. H. Brooks. 1,802,326; Apr. 28.
Well head equipment. C. C. Brown. 1,811,422; June 23.
Well holes, Adjusting. A. G. H. Straatman. 1,806,509; May 19.
Well packer. F. I. Getty. 1,827,842; Oct. 20.
Well, Packer. C. H. Lane and C. H. Reynolds. 1,801,353; Apr. 21.
Well packer. C. H. Reynolds. 1,790,390; Jan. 27.
Well pumping apparatus. G. I. Keniston. 1,823,273; Sept. 15.
Well-pumping head. G. H. Bowlus. 1,798,780; Mar. 31.
Well pumping rig. R. C. Baker. 1,809,102; June 9.
Well pumping system. F. W. Hild. 1,830,941; Nov. 10.
Well pumping unit. R. C. Baker. 1,809,101; June 9.
Well reamer. V. J. Kubin and P. Funderburk. 1,818,405; Aug. 11.
Well reamer. J. A. Vertson. 1,809,258; June 9.
Well screen. G. Austin. 1,808,803; June 9.
Well screen. W. E. King. 1,811,235; June 23.
Well screens, Making. E. E. Johnson. 1,800,642; Apr. 14.
Well screen washer. C. H. Lane and C. H. Reynolds. 1,808,958; June 9.
Well shooting device. W. F. Bleecker. 1,832,924; Nov. 24.
Well-shooting device. J. J. Hill. 1,799,046; Mar. 31.
Well tester. G. A. Humason. 1,833,362; Nov. 24.
Well tester. C. L. Jett. 1,788,109; Jan. 6.
Well tester. M. O. Rife and W. P. Capps. 1,787,838; Jan. 6.
Well testing device, Oil. W. J. Miller. 1,837,788; Dec. 22.
Well tube cleaner. L. Swinford. 1,810,260; June 16.
Wells, Air lift device for. W. P. Dolson. 1,834,052; Dec. 1.
Wells, Apparatus for cementing. E. V. Crowell. 1,828,099; Oct. 20.
Wells, Apparatus for controlling oil and gas. J. F. Bower. 1,828,124; Oct. 20.
Wells, Apparatus for drilling. W. J. Newman. 1,826,087; Oct. 6.
Wells, Apparatus for pumping. A. F. White. 1,794,427; Mar. 3.
Wells, Apparatus for starting the flow of flowing. F. Trice. 1,793,193; Feb. 17.
Wells, Blow-out preventer for oil. C. C. Hosmer. 1,788,057; Jan. 6.
Wells by air lift, Apparatus for flowing. W. L. Martin. 1,792,107; Feb. 10.
Wells, Cementing. E. V. Crowell. 1,828,100; Oct. 20.
Wells, Cleaning. K. B. Bowman. 1,809,546; June 9.
Wells, Device for removing parts from. C. Brown. 1,810,753; June 16.
Wells, Drilling. A. Boynton. 1,807,082; May 26.
Wells, Facilitating flow from. L. Ranney and C. O. Fairbank. 1,806,499; May 19.
Wells, Fluid lift for. C. H. Bergquist. 1,790,895; Feb. 3.
Wells, Maintaining and increasing flow of failing. F. F. Hill. 1,796,788; Mar. 17.
Wells, Method and apparatus for operating. E. P. Halliburton. 1,834,946; Dec. 8.
Wells, Repressuring and flowing of. R. E. Lee. 1,816,260; July 28.
Wells, Sampling device for. W. P. Johnson. 1,800,144; Apr. 7.
Wells, Sinking and building. Y. Kida. 1,836,175; Dec. 15.
Welt, Finishing. R. C. Schemmel. Re18,297; Dec. 22.
Welt for boots and shoes. L. D. Chandler. 1,838,298; Dec. 29.
Welt hook and rod. A. H. Redles. 1,818,867; Aug. 11.
Welt and system of using the same, Lubricating. A. L. Howard. 1,824,997; Sept. 29.
Welt closing mechanism for full fashioned hosiery machines. J. Haines, jr. 1,821,154; Sept. 1.
Welt sewing machine. A. F. Carlson. 1,837,756; Dec. 22.
Welt sewing machine. A. F. Carlson. 1,837,758; Dec. 22.

Welting and making the same. A. L. Howard. 1,787,864; Jan. 6.
Wet machines, Lap-folding device for. J. K. Vanatta. 1,792,558; Feb. 17.
Wetting and emulsifying preparation. F. Günther. 1,836,588; Dec. 15.
Wetting-out agent or emulsifier. J. Baddiley and E. Chapman. 1,836,431; Dec. 15.
Wetting-out agents or emulsifier. J. Baddiley and E. Chapman. 1,836,428; Dec. 15.
Wheat, Apparatus for milling. P. Turucz. 1,826,157; Oct. 6.
Wheel: *See*—

Abrasive wheel.	Metal wheel.
Automobile wheel.	Molded steering wheel.
Band saw wheel.	Paddle wheel.
Bevel wheel.	Polishing wheel.
Buffer wheel.	Power wheel.
Bull wheel.	Printing wheel.
Car wheel.	Propulsion wheel.
Cushion wheel.	Ratchet wheel.
Demountable wheel.	Resilient wheel.
Differential wheel.	Road wheel.
Dressing and grinding wheel.	Rubber tire wheel.
Dual wheel.	Skate wheel.
Dual wire wheel.	Spring wheel.
Elastic wheel.	Steel strut wheel.
Fifth wheel.	Steering wheel.
Friction wheel.	Traction wheel.
Gear wheel.	Tractor wheel.
Grinding wheel.	Trolley wheel.
Hand brake wheel.	Truck wheel.
Hand wheel.	Vehicle wheel.
Landing wheel.	Vehicle driving wheel.
Leaning wheel.	Water wheel.
	Wire spoke wheel.

Wheel. R. Bentley. Des. 83,715; Mar. 24.
Wheel. R. S. Burdette. 1,797,195; Mar. 17.
Wheel. T. A. Davenport. Des. 84,567-8; July 7.
Wheel. T. A. Davenport. Des. 85,033; Sept. 8.
Wheel. T. A. Davenport. Des. 85,574; Nov. 17.
Wheel. C. L. Eksergian. Des. 83,192; Feb.3.
Wheel. W. B. Goughnour. 1,831,297; Nov. 10.
Wheel. W. F. Kasper. 1,789,003; Jan. 13.
Wheel. L. E. La Brie. 1,812,882; July 7.
Wheel. E. A. Nelson. 1,802,773; Apr. 28.
Wheel. J. Schulman. 1,801,288; Apr. 21.
Wheel. C. Schwarz. 1,789,084; Jan. 13.
Wheel. C. P. Stokes and J. Tamsett. 1,816,300; July 28.
Wheel. J. P. Tarbox, C. L. Eksergian and W. H. Farr. 1,829,168; Oct. 27.
Wheel. A. R. Taylor. 1,828,163; Oct. 20.
Wheel. M. Treschow. 1,792,049; Feb. 10.
Wheel. L. E. Waite. 1,837,302; Dec. 22.
Wheel. E. E. Walker. 1,812,227; June 30.
Wheel. J. W. White. 1,794,564; Mar. 3.
Wheel. J. W. White. 1,816,943; Aug. 4.
Wheel. J. W. White. 1,821,954; Sept. 8.
Wheel. J. W. White. 1,829,575; Oct. 27.
Wheel adapter, Grinding-. A. D. Robinson. 1,788,634; Jan. 13.
Wheel aligner. P. R. Vanica. 1,822,983; Sept. 15.
Wheel aligning device. A. Frykman. 1,829,133; Oct. 27.
Wheel and axle. W. O. McKamey. 1,830,707; Nov. 3.
Wheel and brake shoe. J. L. Connolly. 1,823,879; Sept. 22.
Wheel and bridging spring for web feeding and severing apparatus, Gripper and breaker. C. A. Rupp. 1,810,403; June 16.
Wheel and demountable rim, Dual. J. G. Swain. 1,828,162; Oct. 20.
Wheel and engine ignition switch, Coordinated locking steering. H. D. Geyer. 1,831,300; Nov. 10.
Wheel and forming the same, magnetic fly. C. L. Coughlin. 1,792,530; Feb. 17.
Wheel and holder, Grinding. H. C. Beach. 1,814,782; July 14.
Wheel and hub, Demountable. A. H. Shoemaker. 1,813,431; July 7.
Wheel and making same, Spoke. W. Barber. 1,789,962; Jan. 27.
Wheel and making the same, Steering. G. E. Smith. 1,816,445; July 28.
Wheel and making the same, Vehicle. W. D. Sargent. 1,820,711; Aug. 25.
Wheel and method of production. T. E. Murray, jr. 1,838,322; Dec. 29.
Wheel and pulley attaching construction. F. G. Alborn. 1,790,737; Feb. 3.
Wheel and rail lubricator. R. A. Tanner. 1,803,923; May 5.
Wheel and rim structure. F. R. Klaus and G. W. Seiberling. 1,791,466; Feb. 3.
Wheel and rim structure. W. Nelson. 1,818,572; Aug. 11.
Wheel and shaft assembly, Steering. H. D. Geyer. 1,801,551; Apr. 21.
Wheel and shaft assembly, Steering. H. D. Geyer. 1,820,220; Aug. 25.
Wheel and support, Antifriction caster. W. H. Noelting. 1,822,998; Sept. 15.
Wheel and the like, Non-metallic gear. C. W. Mansur. 1,834,855; Dec. 1.
Wheel and tire therefor, Band saw. C. E. Tannewitz. 1,838,164; Dec. 29.
Wheel assembly. B. Darrow. 1,788,862; Jan. 13.
Wheel assembly, Dual. J. F. Higbee. 1,809,699; June 9.
Wheel assembly machines, Rim feed for. A. O. Roberts. 1,819,622; Aug. 18.
Wheel attachment for cycles, Auxiliary. A. L. Hess. 1,820,190; Aug. 25.
Wheel attachment, Vehicle. A. A. Pruden. 1,799,567; Apr. 7.
Wheelbarrow. G. I. Chittenden. 1,823,816; Sept. 15.
Wheelbarrow. A. Ehnert. 1,819,951; Aug. 18.
Wheelbarrow. H. Sahler. 1,817,934; Aug. 11.
Wheelbarrow, Loading. F. J. Dowling 1,804,403; May 12.
Wheel brake. P. Karsten. 1,810,354; June 16.
Wheel brake, Automobile. R. W. Stevens. 1,810,628; June 16.
Wheel brake, Swiveled. H. T. Lambert. 1,831,125; Nov. 10.
Wheel carrier, Motor vehicle. H. C. Elliott. 1,830,100; Nov. 3.
Wheel chock. C. L. Snyder. 1,793,379; Feb. 17.
Wheel chock. C. L. Snyder. 1,828,579; Oct. 20.
Wheel construction. W. C. Martin. 1,795,659; Mar. 10.
Wheel construction. W. C. Martin. 1,811,726; June 23.
Wheel construction. B. Meigs. 1,817,699; Aug. 4.
Wheel construction, Dual-. F. R. Klaus and E. M. Ray. 1,791,033; Feb. 3.
Wheel construction, Traction. E. E. Einfeldt. 1,803,427; May 5.
Wheel construction, Vehicle. J. W. Holt. 1,812,337; June 30.
Wheel counting apparatus. A. H. McKeen. 1,835,234; Dec. 8.
Wheel disk. J. H. Hunt. 1,812,437; June 30.
Wheel disks, Method and machine for rolling. J. W. Hughes. 1,817,035; Aug. 4.
Wheel drawer for use on motor vehicles. F. B. West and K. J. Pidcock. 1,807,329; May 26.
Wheel dresser. S. Marquis. 1,833,845; Nov. 24.
Wheel dresser. E. A. Shriver. 1,813,682; July 7.
Wheel frame. H. Z. Cobb. 1,822,516; Sept. 8.
Wheel fin and weight, Combined. T. G. Schmeiser. 1,807,757; June 2.
Wheel fitted with pneumatic tires, Railway vehicle. A. J. Michelin. 1,831,879; Nov. 10.
Wheel for automobiles. F. W. Burger. 1,829,889; Nov. 3.
Wheel for automobiles and other vehicles, Spring. H. Hill. 1,815,147; July 21.
Wheel for automobiles, Three-spoker steering. V. H. McEntire. Des. 83,334; Feb. 17.
Wheel for juvenile vehicles. J. Weber. Des. 84,450; June 16.
Wheel for motor vehicles, Supplemental. J. P. O'Leary 1,810,290; June 16.
Wheel for power vehicles, Planetary gear. G. L. Weber. 1,832,598; Nov. 17.
Wheel for safety railway trucks, Guard. E. R. Edson. 1,804,560; May 12.
Wheel for tractors, Rear. T. Hernández. 1,813,494; July 7.
Wheel for vehicles. G. S. Webb. 1,830,075; Nov. 3.
Wheel for vehicles. J. Wright. 1,836,739; Dec. 15.
Wheel gauge. W. Bagge. 1,804,490; May 12.
Wheel gauge. C. C. Bennett. 1,818,677; Aug. 11.
Wheel gauge, Vehicle. H. Casler and C. P. Grimes. 1,808,287; June 2.
Wheel guide for tractor chains. J. T. Moore. 1,802,215; Apr. 21.
Wheelhead and the like. W. L. Bryant. 1,827,968; Oct. 20.
Wheel hubs, Making. C. L. Eksergian and J. P. Tarbox. 1,795,483; Mar. 10.
Wheel mounting. M. C. Nelson. 1,832,815; Nov. 17.
Wheel mounting means. E. K. Baker. 1,815,821; July 21.
Wheel of vehicles, Shock absorbing road. T. I. Courtney 1,808,886; June 9.
Wheel puller. R. B. Brenneman and W. H. Monaghan. 1,824,033; Sept. 22.
Wheel, rim, and tire lock. W. L. McFerren. 1,831,024; Nov. 10.
Wheel rim lock. B. Gray. 1,825,860; Oct. 6.
Wheel rims, Making. C. Sauzedde. 1,809,605; June 9.
Wheel rim members, Forming vehicle. W. N. Booth. 1,826,449; Oct. 6.
Wheel scraping apparatus and the like. H. L. Bone. 1,831,802; Nov. 17.
Wheel securing means. R. F. Marron. 1,816,687; July 28.
Wheel spiders, Apparatus for making. I. H. Judd. 1,812,959; July 7.
Wheel stick. J. G. Staus. 1,799,185; Apr. 7.
Wheel structure. H. C. Armstrong. 1,809,795; June 9.
Wheel structure, Locomotive driving. W. M. Sheehan and H. M. Pflager. 1,825,480; Sept. 29.
Wheel structure, Vehicle. F. H. Meyer. 1,804,635; May 12.
Wheel testing apparatus, Grinding. H. G. Weinland. 1,805,896; May 19.
Wheel testing machine. G. W. Prather. Re18,138; July 28.
Wheel tightener. A. Z. Gatewood. 1,820,793; Aug. 25.
Wheel trimming fixture, Grinding. J. W. Parker. 1,826,219; Oct. 6.
Wheel truing device. J. Bath. 1,832,684; Nov. 17.

Wheel unit. A. C. Wisner and C. L. Redfield. 1,812,127–8; June 30.
Wheel-vibration dampener. G. E. A. Hallett. 1,792,493; Feb. 17.
Wheel with flexible rims. Elastic. E. Rimailho. 1,810,854; June 16.
Wheel with movable blade, Blade. E. Schneider, E. Ehrhart, and J. Kreitner. 1,823,169; Sept. 15.
Wheel with swivel spoke, Steering. H. D. Geyer. 1,806,343; May 19.
Wheeled carrier. F. J. Dowling. 1,804,404; May 12.
Wheeled device for laying off land. G. W. Thurmond, sr. 1,812,574; June 30.
Wheels, Apparatus for cleaning polishing. J. J. Cunningham. 1,823,645; Sept. 15.
Wheels, Apparatus for treating car. E. A. Laughlin. 1,811,204; June 23.
Wheels, Assembling. H. J. Heider. 1,787,822; Jan. 6.
Wheels, Assembling wire. M. W. H. Wilson. 1,791,781; Feb. 10.
Wheels, Attachment for. J. E. Badgley. 1,798,716; Mar. 31.
Wheels, Attachment for. T. McNally. 1,821,269; Sept. 1.
Wheels at the desired level in the case of puncture of the pneumatic tire, Automatic device for raising the. A. J. Michelin. 1,816,543; July 28.
Wheels, Balancing means for motor vehicle. C. S. Ash. 1,833,879; Nov. 24.
Wheels, Braking device for airplane. F. Veyssiere, M. Jay, and J. R. Mondon. 1,788,695; Jan. 13.
Wheels, Creeper attachment for tractor. J. T. Moore. 1,830,911; Nov. 10.
Wheels, Device for assembling. H. J. Heider. 1,801,271; Apr. 21.
Wheels, Device for gauging the camber and toe-in of automobile. J. C. Creagmile and J. A. Reiman. 1,791,803; Feb. 10.
Wheels, Extricating and nonskid device for vehicle. J. Frank. 1,837,708; Dec. 22.
Wheels, Forming car. F. B. Bell. 1,833,201; Nov. 24.
Wheels, Forming metal. L. E. Waite. 1,819,854; Aug. 18.
Wheels, Forming steering. H. A. Husted. 1,823,562; Sept. 15.
Wheels, Grouser for tractor. T. G. Schmeiser. 1,829,945; Nov. 3.
Wheels, Making. G. Spatta. 1,828,155–9; Oct. 20.
Wheels, Making car. R. C. Good and H. Holiday. 1,804,763; May 12.
Wheels, Making metal. J. L. Hecht. 1,831,661; Nov. 10.
Wheels, Making steering. G. E. Smith. 1,816,444; July 28.
Wheels, Making wire-spoked. J. H. Wagenhorst. 1,799,712; Apr. 7.
Wheels, Making wire spoked. J. H. Wagenhorst. 1,806,227; May 19.
Wheels, Mechanism for truing and dressing. F. J. Hohnhorst and F. J. Kroeger. 1,811,933; June 30.
Wheels, Mechanism for truing and dressing grinding. F. J. Hohnhorst and F. J. Kroeger. 1,803,062; Apr. 28.
Wheels, Mechanism for truing and dressing grinding. R. P. Place. 1,834,179; Dec. 1.
Wheels or tires, Carrying spare. H. Austin. 1,830,183; Nov. 3.
Wheels, Ornamental side ring for wire-spoked. W. A. Clark. 1,797,546; Mar. 24.
Wheels, Production of vehicle. T. E. Murray, jr., and H. H. Williams. 1,821,663; Sept. 1.
Wheels. Revolving center for horizontal. G. Weinbrenner. 1,788,445; Jan. 13.
Wheels, Securing means for demountable. J. H. Hunt. 1,812,005; June 30.
Wheels, Sled runner adjustment for vehicle. C. P. Huntington. 1,829,957; Nov. 3.
Wheels, Sleeve for high speed. R. Birmann. 1,805,201; May 12.
Wheels to shafts, Attaching. H. R. Chantry. 1,799,884; Apr. 7.
Wheels, Traction attachment for vehicle. E. D. McMahon. 1,787,753; Jan. 6.
Wheels, Treating car. E. A. Laughlin. 1,811,203; June 23.
Whipstock. F. Kinzbach. and H. M. Wheeler. 1,812,880; July 7.
Whipstock. F. Kinzbach and H. M. Wheeler. 1,816,856; Aug. 4.
Whirl toy. P. Kolep. 1,793,407; Feb. 17.
Whirligig. S. McClellan. 1,791,678; Feb. 10.
Whisk. S. G. Wilson. 1,834,909; Dec. 1.
Whisk broom. W. L. Mark. 1,797,008; Mar. 17.
Whisk, Rotary wire. K. Byers and J. Hug. 1,826,200; Oct. 6.
Whistle. R. W. Clifford. 1,820,558; Aug 25
Whistle. A. W. Gronquist. 1,826,129; Oct. 6.
Whistle, Exhaust. J. Evich. 1,799,891; Apr. 7.
Whistle, Sea-shell. G. Jordahn. 1,795,213; Mar. 3.
Winch, Awning. H. J. Mayer. 1,800,222; Apr. 14.
Winch, Portable. W. E. Foltz. 1,801,246; Apr. 14.
Winch, Stop log. T. D. Kennedy and J. J. Keon. 1,837,909; Dec. 22.
Wind actuated apparatus. J. and E. Brown. 1,832,357; Nov. 17.
Windbreak and securing means therefor. J. Ledwinka. 1,829,597; Oct. 27.
Wind driven generator. H. E. Bucklen. 1,822,078; Sept. 8.
Wind engine. J. D. Madarasz. 1,791,731; Feb. 10.
Windguard for automobiles. R. C. Wall. 1,821,282; Sept. 1.
Wind instrument. H. Bernard. 1,788,613; Jan. 13.
Windmill. W. C. Banker. 1,825,500; Sept. 29.
Windmill. E. J. Espinosa. 1,812,741; June 30.
Windmill. A. C. Gilley. 1,812,400; June 30.
Windmill. F. J. Haller. 1,806,900; May 26.
Windmill. T. E. Law. 1,798,211; Mar. 31.
Windmill. W. S. McRae. 1,820,818; Aug. 25.
Windmill. O. T. Rude. 1,805,008; May 12.
Windmill construction. H. M. Loeber. 1,794,188–9; Feb. 24.
Windmill, Electric. H. E. Bucklen. 1,816,632; July 28.
Windmill, Novelty. H. Robinett. 1,792,396; Feb. 10.
Windmill, pump jacks, and the like, Working head for. J. M. Axtell. 1,793,301; Feb. 17.
Windmill sucker rod connection. F. J. Haller. 1,825,449; Sept. 29.
Windmills, Arrangement of. C. E. Carroll. 1,812,137; June 30.
Wind motor. J. D'Asseler. 1,826,039; Oct. 6.
Wind motor. G. J. M. Darrieus. 1,820,529; Aug. 25.
Wind motor. W. S. Schlotzhauer. 1,810,113; June 16.
Wind motor. L. S. Tisdale. 1,798,233; Mar. 31.
Wind motor. J. W. Whipp. 1,804,241; May 5.
Wind motor. E. F. Wilson. 1,808,874; June 9.
Wind motor, Self-governing. C. A. Pressnall. 1,793,748; Feb. 24.
Wind-operable figure. H. A. Searcy. 1,789,198; Jan. 13.
Wind-power motor. J. H. Jacobs. 1,793,321; Feb. 17.
Windshield. A. B. Beitman. 1,821,903; Sept. 1.
Windshield. P. S. Coles. 1,815,834; July 21.
Windshield. T. di Palma. 1,798,524; Mar. 31.
Windshield. A. Dury. 1,798,015; Mar. 24.
Windshield. W. C. Mills and A. C. Frist. 1,834,469; Dec. 1.
Windshield. J. Morrison. 1,808,058; June 2.
Windshield. W. S. Pritchard. 1,828,069; Oct. 20.
Windshield. G. Williams. 1,834,193; Dec. 1.
Windshield and support therefor. T. B. Nisbet. 1,817,577; Aug. 4.
Windshield attachment. C. J. Damm. 1,836,649; Dec. 15.
Windshield, Automatically-tiltable. F. J. Hyland. 1,798,087; Mar. 24.
Windshield clarifier. L. R. Askam. 1,834,372; Dec. 1.
Windshield cleaner. B. A. Bean, jr. 1,811,819; June 23.
Windshield cleaner. R. M. Critchfield. 1,806,336; May 19.
Windshield cleaner. F. G. and W. M. Folbertn. 1,797,977; Mar. 24.
Windshield cleaner. F. J. Hardman. 1,828,410; Oct. 20.
Windshield cleaner. W. Van Guilder. 1,809,365; June 9.
Windshield cleaner, Automatic. H. Hueber and J. R. Oishei. 1,817,563; Aug. 4.
Windshield cleaner blades, Method and machine for forming. H. Hueber. 1,791,085; Feb. 3.
Windshield cleaner, Dual wiper. H. Hueber. 1,828,713; Oct. 20.
Windshield cleaner motor. J. R. Oishei and H. Hueber. 1,834,219; Dec. 1.
Windshield cleaners and the like, Carriage reversing mechanism for. H. Bjornwald. 1,807,372; May 26.
Windshield, Folding. F. L. Lunt. 1,788,216; Jan. 13.
Windshield for leers. C. Nagle. 1,803,032; Apr. 28.
Windshield heater. E. J. Gallagher. 1,822,774; Sept. 8.
Windshield heater. E. A. Small. 1,813,550; July 7.
Windshield heater. A. I. Smith. 1,802,286; Apr. 21.
Windshield heater. H. W. Turner. 1,811,767; June 23.
Windshield heater, Automobile. G. Schillo and G. Plamann. 1,819,443; Aug. 18.
Windshield mounting. J. Ledwinka. 1,807,317; May 26.
Windshield-operating mechanism. A. B. Beitman. 1,797,396; Mar. 24.
Windshield-operating mechanism. A. T. Potter. 1,798,353; Mar. 31.
Windshield-operating mechanism. H. G. Thunder. 1,792,666; Feb. 17.
Windshield parker. J. R. Oishei. 1,826,672; Oct. 6.
Windshield-protection means. J. D. Morgan. 1,789,016; Jan. 13.
Windshield protector. C. E. Hartman. 1,814,034; July 14.
Windshield, Releasable. G. Maehren. 1,793,370; Feb. 17.
Windshield, Side-door. C. E. Sandstrom. 1,800,359; Apr. 14.
Windshield supporting means, Tonneau. T. B. Nisbet. 1,812,362; June 30.
Windshield, Vehicle. A. T. Potter. 1,814,261; July 14.
Windshield ventilator. E. L. Kraft. 1,831,498; Nov. 10.
Windshield ventilator. P. B. Moore and B. Lewis. 1,831,507; Nov. 10.
Windshield ventilator. S. Smith. 1,792,191; Feb. 10.
Windshield warmer. C. H. Brewster. 1,793,584; Feb. 24.
Windshield wiping mechanism. R. B. Gray. 1,829,396; Oct. 27.
Windshields, Operating device for. A. T. Potter. 1,815,381; July 21.
Windshields or windows, Preventing condensation on. C. L. Paas. 1,787,836; Jan. 6.
Wind tunnel for testing aeroplanes. D. E. Olshevsky. 1,811,364; June 23.
Wind-wheel vane. H. C. Schneider. 1,829,062; Oct. 27.

Winder and clip for hair waving apparatus. A. E. Pausser. 1,825,540; Sept. 29.
Winder drives, Generator braking system for. S. A. Staege. 1,833,967; Dec. 29.
Winder, Portable. C. D. Dallas. 1,831,526; Nov. 10.
Winding and constructing the same. R. B. George. 1,813,994; July 14.
Winding and reeling device. W. C. Stevens. 1,819,989; Aug. 18.
Winding and tightening mechanism. J. K. Duncan and R. Weide. 1,812,433; June 30.
Winding and unwinding mechanism. C. Field. 1,826,758; Oct. 13.
Winding apparatus for the fall of a ship's life boats. Ane Pieter Schat. 1,830,890; Nov. 10.
Winding apparatus for thread or the like. S. Wild and E. Hugentobler. 1,809,660; June 9.
Winding device. R. Dear. 1,807,199; May 26.
Winding device. J. Robert. 1,798,630; Mar. 31.
Winding device. C. T. Siebs. 1,832,430; Nov. 17.
Winding device for hair wavers. A. G. Borden. 1,814,116; July 14.
Winding drum for wall driers. L. Judelson. 1,815,737; July 21.
Winding engine. J. R. McGiffert. Re18,220; Oct. 6.
Winding for dynamo electric machines. P. L. Alger. 1,839,078; Dec. 29.
Winding head for filament mounting machines. W. Ledig. 1,815,784; July 21.
Winding implement. J. Serres. 1,838,874; Dec. 29.
Winding machine. J. A. Anderson. 1,816,352; July 28.
Winding machine. W. S. Bellhouse. 1,834,328; Dec. 1.
Winding machine. S. E. Borgeson. 1,827,186; Oct. 13.
Winding machine. C. A. Brink. 1,799,153; Apr. 7.
Winding machine. J. A. Cameron and G. B. Rickard. Re18,060; May 5.
Winding machine. G. B. Cocker. 1,838,052; Dec. 22.
Winding machine. E. A. De Wolf. 1,809,890; June 16.
Winding machine. C. K. Dunlap. 1,791,890; Feb. 10.
Winding machine. O. R. Haas. 1,805,544; May 19.
Winding machine. C. H. Jones. 1,830,110; Nov. 3.
Winding machine. C. L. Sall. 1,817,767; Aug. 4.
Winding machine. E. R. Swanson. 1,801,378; Apr. 21.
Winding machine. E. R. Swanson. 1,826,265; Oct. 6.
Winding machine. W. W. Trinks. 1,810,690; June 16.
Winding machine attachment. L. F. Phelan. 1,805,595; May 19.
Winding machine, Automatic. E. J. Abbott and W. G. Abbott, jr. Re18,310; Dec. 29.
Winding machine, Cornicle-. H. Bloch. 1,787,661; Jan. 6.
Winding machine for dynamo-electric machines. A. Keyser. 1,798,980; Mar. 31.
Winding machines, Bunch builder for. J. M. Quill. 1,809,217; June 9.
Winding machines, Friction-resistance device for. J. A. Cameron. 1,791,659; Feb. 10.
Winding machines, Roll ejecting mechanism for. K. Sieg. 1,833,185; Nov. 24.
Winding machines, Slub catcher for. A. R. Perrin. 1,818,350; Aug. 11.
Winding machines, Traverse mechanism for. E. R. Swanson. 1,812,382; June 30.
Winding machines, Traversing-means for. A. E. Bood. 1,836,105; Dec. 15.
Winding mechanism. J. V. Armstrong and J. F. Ribbeck. 1,815,729; July 21.
Winding mechanism. A. A. Grundy. 1,832,628; Nov. 17.
Winding mechanism for devices using rolls, Compensating. E. C. Thompson. 1,800,808; Apr. 14.
Winding mechanism for rolling screens. G. M. Sacerdote. 1,828,623; Oct. 20.
Winding mechanism, Partial self. R. Persico. 1,807,169; May 26.
Winding or spooling machine. A. E. Beachen. 1,798,516; Mar. 31.
Winding, twisting, stranding, coiling, lapping, and the like machines. J. H. Larmuth. 1,799,984; Apr. 7.
Windlace, Adjustable. M. H. Toneray. 1,836,094; Dec. 15.
Windlass. R. W. Thomas. 1,834,480; Dec. 1.
Windlass, Hand-operated. J. A. Mellon. 1,827,597; Oct. 13.
Windlass, Electrically operated. R. Eck. 1,810,821; June 16.
Windmill. A. Urfer. 1,836,693; Dec. 15.
Window. R. H. Bliss. 1,810,816; June 16.
Window. L. M. Caldwell. 1,814,289; July 14.
Window. R. Erroll. 1,832,107; Nov. 17.
Window. P. H. Esbjornson. 1,812,041; June 30.
Window. F. Klim. 1,837,972; Dec. 22.
Window. G. A. Lunz and J. L. Feyl. 1,807,420; May 26.
Window. I. Stiglitz. 1,818,436; Aug. 11.
Window. M. J. Tracy. 1,790,733; Feb. 3.
Window. M. J. Tracy. 1,818,438; Aug. 11.
Window. G. Vollbrecht. 1,835,828; Dec. 8.
Window. J. C. Yetter. 1,793,039; Feb. 17.
Window. W. Young. 1,788,967; Jan. 13.
Window adjuster. A. C. Sinnes. 1,825,681; Oct. 6.
Window and door frame. E. C. Swanson. 1,789,345; Jan. 20.
Window and flap operator. R. G. Wold. 1,808,827; June 9.
Window and hinge therefor, Casement. F. A. Olson. 1,833,972; Dec. 1.
Window and screen, Combination. G. I. Thomson. 1,827,494; Oct. 13.
Window and screen, Combined. C. O. Frye. 1,837,538; Dec. 22.
Window and screen securer. W. Bildstein. 1,811,681; June 23.
Window and weatherstrip, Metal. F. L. Michaels. 1,793,504; Feb. 24.
Window, Automobile door. B. W. Helman. 1,829,747; Nov. 3.
Window, Automobile signal. H. G. Leffingwell. 1,798,981; Mar. 31.
Window, Awning type. J. J. Donovan and E. F. Wiley. Re18,125; July 7.
Window blind made of woven fabric. T.-K. Iwata. 1,789,655; Jan. 20.
Window box bracket, Adjustable. F. H. Quandt. 1,809,216; June 9.
Window bracket. C. V. Evans. 1,814,793; July 14.
Window, Car. W. H. Mussey. 1,832,877; Nov. 24.
Window, Casement. J. Cooper. 1,796,242; Mar. 10.
Window, Casement. S. C. Dreher. 1,791,808; Feb. 10.
Window, Casement. T. Johnson. 1,837,444; Dec. 22.
Window, Casement. K. F. Jorss. 1,813,806; July 7.
Window, Casement. P. Michiels. 1,798,694; Mar. 31.
Window channel. C. P. Schlegel. 1,819,205; Aug. 18.
Window cleaner. C. F. Fisher. 1,804,867; May 12.
Window cleaner. J. Freuder. 1,802,206; Apr. 21.
Window cleaner. R. H. Schwartz. 1,838,158; Dec. 29.
Window cleaner. C. Stark. 1,835,440; Dec. 8.
Window cleaner. R. Trane. 1,827,121; Oct. 13.
Window cleaner, Automatic. M. R. Moon. 1,803,722; May 5.
Window-cleaner's seat. F. B. Lentz. 1,798,022; Mar. 24.
Window cleaning device. L. Hachenberg. 1,816,370; July 28.
Window closing device, Automatic. C. A. Baltz, jr. 1,825,043; Sept. 29.
Window construction. M. Babiarz and J. Babiarz. 1,810,117; June 16.
Window construction. G. I. Barclay. 1,822,004; Sept. 8.
Window construction. G. I. Barclay. 1,826,861; Oct. 13.
Window construction. R. S. Brogie. 1,826,121–2; Oct. 6.
Window construction. F. Butzbach. 1,804,741; May 12.
Window construction. H. C. Christensen. 1,820,346; Aug. 25.
Window construction. S. C. Dreher. 1,789,970; Jan. 27.
Window construction. O. M. Edwards. 1,837,028; Dec. 15.
Window construction. A. H. Fisher. 1,796,837; Mar. 17.
Window construction. A. Ghittino. 1,835,389; Dec. 8.
Window construction. J. Giglio. 1,835,488; Dec. 8.
Window construction. R. T. Hurley and W. J. Carry. 1,808,414; June 2.
Window construction. C. G. Johnson. 1,797,504; Mar. 24.
Window construction. C. W. Kelly. 1,800,539; Apr. 14.
Window construction. M. A. Lischick. 1,818,411; Aug. 11.
Window construction. F. J. Plym. 1,820,947; Sept. 1.
Window construction. H. J. Schlacks. 1,799,482; Apr. 7.
Window construction. J. H. Sheard. 1,826,678; Oct. 6.
Window construction. J. N. Sprung. 1,797,845; Mar. 24.
Window construction. J. A. Stewart. 1,832,058; Nov. 17.
Window construction. G. G. Tomlinson. 1,833,139; Nov. 24.
Window construction. S. Westerheim. 1,833,766; Nov. 24.
Window construction, Metal-. J. L. McClothlen. 1,791,219; Feb. 3.
Window construction, Trapezoidal sliding. C. W. Avery. 1,821,686; Sept. 1.
Window construction, Weatherproof casement. J. Kubelka. 1,814,936; July 14.
Window-control mechanism. S. W. Nicholson. 1,798,553; Mar. 31.
Window controller. J. H. Roethel. 1,791,147; Feb. 3.
Window curtain hanger. J. Witteman. 1,805,793; May 19.
Window display stand. J. L. Sinykin. Des. 85,007; Sept. 1.
Window, Double-glazed. C. L. Tettit. 1,792,550. Feb. 17.
Window, Double sliding. R. Roese. 1,822,237; Sept. 8.
Window equipment. C. Raw. 1,794,643; Mar. 3.
Window for doors of automobiles, Signal. N. B. Riddle. 1,822,823; Sept. 8.
Window for jails and the like. L. J. White. 1,828,827; Oct. 27.
Window for motor vehicles. E. A. Stone. 1,828,515; Oct. 20.
Window for motor vehicles. Service. F. B. Sheerar. 1,808,263; June 2.
Window for motor vehicles, Signal. J. E. Martin. 1,809,132; June 9.
Window frame. C. Drill. 1,798,405; Mar. 31.
Window frame. R. T. Hurley and W. J. Carry. 1,808,413; June 2.
Window frame. H. G. Klopp. 1,790,428; Jan. 27.
Window frame. W. S. Metler and H. O. Schumacher. 1,821,910; Sept. 1.
Window frame. R. Salomon. 1,836,991; Dec. 15.
Window frame and sash construction. R. T. Axe. 1,822,838; Sept. 8.
Window frame and sash construction. E. P. Huttger. 1,802,717; Apr. 28.

Window frame, Cast-metal. C. G. O'Hara. 1,790,760; Feb. 3.
Window glass. F. W. Renz. 1,830,887; Nov. 10.
Window guide channel, Making. J. I. Taylor. 1,808,582; June 2.
Window guideway. H. B. Haskins, B. S. Floraday, and D. Miller. 1,827,983; Oct. 20.
Window head construction. H. E. Campbell. 1,827,222; Oct. 13.
Window hood. D. J. Cara. 1,790,793; Feb. 3.
Window inclosure for locomotive cabs and the like. C. M. Horsman. 1,801,199; Apr. 14.
Window lifter. W. S. Pritchard. 1,789,985; Jan. 27.
Window, Light reflecting. C. E. Smith and J. F. Pagel, jr. 1,827,624; Oct. 13.
Window lock. M. Catron. 1,789,216; Jan. 13.
Window lock. W. F. and S. Coady. 1,818,043; Aug. 11.
Window lock, Automatic. G. D. Shinn. 1,804,518; May 12.
Window lock, Casement. J. U. Linder. 1,833,254; Nov. 24.
Window, Metal. F. Kullmer. 1,804,787; May 12.
Window, Metal. A. M. Lane. 1,815,718; July 21.
Window operator, Automobile. J. W. Greig. 1,811,790; June 23.
Window operating device for automobiles, Electric. J. A. Stockman and H. Swerdloff. 1,835,354; Dec. 8.
Window operating device, Screened. L. E. and W. J. Dodds. 1,829,343; Oct. 27.
Window operating mechanism. H. E. Campbell. 1,835,558; Dec. 8.
Window-operating mechanism. H. W. Semisch. 1,801,115; Apr. 14.
Window or the like, Slidable. T. Utley. 1,837,083; Dec. 15.
Window pane, Ventilating. W. R. McMann. 1,817,494; Aug. 4.
Window, Pivotal sash. E. T. Fisk. 1,825,587; Sept. 29.
Window, Pivoted. A. Krausz. 1,792,017; Feb. 10.
Window-positioning organization. M. Yaggy. 1,789,889; Jan. 20.
Window regulator. H. C. Bortel. 1,810,390; June 16.
Window regulator. H. C. Field. 1,797,336; Mar. 24.
Window regulator. H. B. Haskins and B. S. Floraday, and D. Miller. 1,788,156; Jan. 6.
Window regulator. J. D. Lawrence and S. W. Nichols. 1,805,217; May 12.
Window regulator. S. W. Nicholson. 1,818,641–2; Aug. 11.
Window regulator mechanism. A. C. Andersen. 1,816,166; July 28.
Window regulators, Gear segment for. S. W. Nicholson. 1,788,168; Jan. 6.
Window-retaining rod, Casement-. J. O. Wesner. 1,794,265; Feb. 24.
Window, Safety. F. Soo. 1,790,880; Feb. 3.
Window, Safety cage. C. T. James. 1,804,776; May 12.
Window sash, Ventilating. E. S. Kelly. 1,798,540; Mar. 31.
Window screen. J. V. Abronski. 1,793,535; Feb. 24.
Window screen. J. V. Abronski. 1,793,536; Feb. 24.
Window screen. J. V. Abronski. 1,793,537–8; Feb. 24.
Window screen. R. Arbuckle. 1,833,104; Nov. 24.
Window screen. J. J. Astarita. 1,790,455; Jan. 27.
Window screen. A. B. Campbell, jr. 1,798,833; Mar. 31.
Window screen. J. A. Delaney. 1,826,606; Oct. 6.
Window screen. R. L. Gooch. 1,798,600; Mar. 31.
Window screen. L. D. Herndon. 1,788,296; Jan. 6.
Window screen. J. E. Johnson. 1,787,627; Jan. 6.
Window screen. J. E. Johnson. 1,824,897; Sept. 29.
Window screen. J. J. Kaminski and J. McHall. 1,800,080; Apr. 7.
Window screen. L. F. Koch. 1,799,104; Mar. 31.
Window screen. A. Libby. 1,794,235; Feb. 24.
Window screen. R. A. and G. H. Norquist. 1,794,534; Mar. 3.
Window screen. R. A. and G. H. Norquist. 1,796,760; Mar. 17.
Window screen. R. A. and G. H. Norquist. 1,832,414; Nov. 17.
Window screen. J. T. Sampson. 1,832,246; Nov. 17.
Window screen. L. C. Steele. 1,799,484; Apr. 7.
Window screen, Metal. F. F. Haskell. 1,810,274; June 16.
Window screen, Sliding. J. F. Roesler. 1,810,791; June 16.
Window, Screened. B. Blackburn. 1,799,671; Apr. 7.
Window seat. T. V. and F. O. Aland. 1,829,324; Oct. 27.
Window seat, Portable. W. D. Dunn. 1,806,675; May 26.
Window shade bracket. H. Goldfinger. 1,823,490; Sept. 15.
Window shade hanger, Adjustable. W. B. Hill. 1,802,894; Apr. 28.
Window shade roller. H. J. Baumann. 1,821,687; Sept. 1.
Window sill. W. Van Alen. 1,794,809; Mar. 3.
Window, Sliding. E. W. Cotter. 1,809,403; June 9.
Window, Sliding. A. Herman. 1,830,544; Nov. 3.
Window, Sliding and swinging. G. Drewes. 1,812,325; June 30.
Window, Sliding and swinging. J. L. Kleinman. 1,808,043; June 2.
Window stay. T. P. Eustege. 1,793,546; Feb. 24.
Window, Store show. A. I. Elias. 1,836,960; Dec. 15.
Window structure. J. Kahn. 1,816,537; July 28.
Window structure, Metallic. A. L. Doering. 1,811,664; June 23.
Window structure, Metallic. A. L. Doering. 1,812,822; June 30.
Window structures, Making metal. A. G. Siebenlist. 1,816,498; July 28.
Window structures, Roller unit for. E. Wilking. 1,792,054; Feb. 10.
Window, Swinging sliding. M. Hevesi and R. Metzger. 1,814,753; July 14.
Window, Vehicle. P. J. Osborne. 1,835,174; Dec. 8.
Window, Vehicle signaling. T. H. Ichio. 1,820,456; Aug. 25.
Window, Ventilating. G. I. Johnson and W. L. Morrison. 1,799,516; Apr. 7.
Window ventilator. H. P. Fisher. 1,814,590; July 14.
Window ventilator. V. W. I. Frederick. 1,806,847; May 26.
Window ventilator. L. D. Green. 1,833,783; Nov. 24.
Window ventilator. O. L. Ingwersen. 1,796,105; Mar. 10.
Window ventilator. O. Kubatzky. 1,809,518; June 9.
Window ventilator. O. Kubatzky. 1,836,852; Dec. 15.
Window ventilator. F. G. Lumley. 1,813,629; July 7.
Window ventilator. E. J. Ney. 1,798,348; Mar. 31.
Window ventilator. C. E. Yeagle. 1,825,437; Sept. 29.
Window, Weightless. S. C. Baughin. 1,822,949; Sept. 15.
Windows and doors, Regulator for. E. Sodergren. 1,794,477; Mar. 3.
Windows and the like, Device for operating closures for. A. A. Tarvid. 1,791,151; Feb. 3.
Windows and the like, Operating device for. S. W. Nicholson. 1,797,786; Mar. 24.
Windows, Device for cleaning. W. D. Carter. 1,795,249; Mar. 3.
Windows, Device for closing casement. W. F. Broadwater. 1,811,575; June 23.
Windows of the sliding type, Device for controlling. W. Quick, S. E. Thomas, and F. W. Berwick. 1,807,548; May 26.
Windows, Operating. F. P. Cortés. 1,811,174; June 23.
Windows, Operating means for. R. Birrell. 1,834,235; Dec. 1.
Windows, panels, and the like, Controlling device and means for opening or closing sliding. H. Smith. 1,798,959; Mar. 31.
Windows, particularly of vehicles, Device for operating sliding. O. Bischof. 1,799,145; Apr. 7.
Windows, Water-strip equipment for French. E. D. Barringer. 1,789,923; Jan. 20.
Wind-up apparatus. P. W. Lehman. 1,787,826; Jan. 6.
Wind up mechanism. M. Castricum and P. L. Butterfield. 1,824,593; Sept. 22.
Windshield cleaner. H. Hueber. 1,839,175; Dec. 29.
Windshield operating device. J. Giltsch. 1,838,756; Dec. 29.
Windshields, Clearing. J. A. Keller. 1,839,036; Dec. 29.
Wiper, Oil gauge rod. F. L. Gray and R. H. Hughes. 1,839,026; Dec. 29.
Wing adjusting device. E. Metzler. 1,834,858; Dec. 1.
Wing and aileron construction for aircraft. H. J. Stieger. 1,825,371; Sept. 29.
Wing construction for aeroplanes. W. R. Parmele. 1,803,915; May 5.
Wing for aeroplanes. A. Soldenhoff. 1,817,275; Aug. 4.
Wing for aeroplanes, Auto vent. G. W. Williams, jr. 1,817,281; Aug. 4.
Wing for aeroplanes, Rotary. F. Wander, jr. 1,825,493; Sept. 29.
Wing safety device for aircraft, Adjustable. E. J. Murray. 1,821,764; Sept. 1.
Wing spar. F. R. Stoneking. 1,798,005; Mar. 24.
Wing spar for aeroplanes. R. W. Hilton. 1,816,678; July 28.
Winging machine. J. A. Anderson. 1,819,695; Aug. 18.
Wings for aircraft, Structure of. B. N. Wallis. 1,833,696; Nov. 24.
Windstacker hood, Automatic oscillating. W. H. Winter. 1,836,421; Dec. 15.
Wiper and motor, Windshield. J. M. Aufiero. 1,793,041; Feb. 17.
Wiper attachment, Windshield. G. S. Smith. 1,825,891; Oct. 6.
Wiper blade for cleaning devices. S. P. Vaughn. 1,825,376; Sept. 29.
Wiper blade, Windshield-. H. D. Geyer. 1,796,926; Mar. 17.
Wiper, Defreezing windshield. J. A. Riggs. 1,833,307; Nov. 24.
Wiper, Defrosting windshield. N. J. Harvey and R. Porter. 1,831,859; Nov. 17.
Wiper, Extension windshield. J. J. Pitts. 1,827,906; Oct. 20.
Wiper for hot tops, Mold. W. M. Charman and H. J. Darlington. 1,804,207; May 5.
Wiper for typographical machines, Mold. F. D. Chandler. 1,833,825; Nov. 24.
Wiper for type casting machines, Knife. G. L. Curle. 1,808,977; June 9.
Wiper, Magnetic record. C. W. Rhodehamel. 1,837,586; Dec. 22.
Wiper mechanism for intaglio plate printing machines. C. F. Bryan. 1,815,700; July 21.
Wiper mechanism for windshields and the like. J. Bornstein. 1,832,082–5; Nov. 17.

Wiper, Oil indicator. W. E. Burkhardt. 1,814,075; July 14.
Wiper or cleaner for the dandy rolls of paper making machines. P. S. Sinclair. 1,814,864; July 14.
Wiper, Piston rod. J. C. Hanson. 1,834,616; Dec. 1.
Wiper, Window. G. W. Brugh. 1,798,520; Mar. 31.
Wiper, Wind-screen. W. Dudley. 1,794,108; Feb. 24.
Wiper, Windshield. J. M. Auñero. 1,812,918; July 7.
Wiper, Windshield. J. Bornstein. 1,793,354; Feb. 17.
Wiper, Windshield. J. Bornstein. 1,801,715; Apr. 21.
Wiper, Windshield. E. A. Chaffin. 1,797,073; Mar. 17.
Wiper, Windshield. C. W. Cherry. 1,789,217; Jan. 13.
Wiper, Windshield. R. M. Critchfield. 1,806,335; May 19.
Wiper, Windshield. W. C. Ellixson. 1,811,717; June 23.
Wiper, Windshield. W. H. Farr. 1,830,354; Nov. 3.
Wiper, Windshield. W. T. Favorite. 1,832,373; Nov. 17.
Wiper, Windshield. J. Finn. 1,788,711; Jan. 13.
Wiper, Windshield. I. H. Frailey. 1,823,598; Sept. 15.
Wiper, Windshield. E. J. Gallagher. 1,798,018; Mar. 24.
Wiper, Windshield. W. W. Hancock. 1,834,615; Dec. 1.
Wiper, Windshield. S. I. Kelley. 1,814,934; July 14.
Wiper, Windshield. B. J. Shepard. 1,811,440; June 23.
Wiper, Windshield. J. J. Stahelin. 1,827,959; Oct. 20.
Wiper, Windshield. C. T. Stevens. 1,801,373; Apr. 21.
Wiper, Windshield. N. H. Williams and H. Mittermeier. 1,818,775; Aug. 11.
Wipers and the like, Mechanism for actuating windshield. H. E. Marsh. 1,815,158; July 21.
Wipers, Nonfreezing windshield. W. J. O'Connor. 1,795,964; Mar. 10.
Wire and the like, Apparatus for galvanizing. H. G. Black. 1,817,122; Aug. 4.
Wire, Apparatus for sealing articles with. H. B. Foulder. 1,795,486; Mar. 10.
Wire article. P. J. Shrum. 1,789,454; Jan. 20.
Wire at anchorages thereof, Eliminating internal stresses in. A. V. De Forest. 1,787,936; Jan. 6.
Wire belts, Making a seam for woven. H. Lindsay. 1,807,628; June 2.
Wire-bending die. S. Wadsten. 1,821,249; Sept. 1.
Wire bending machine. L. E. Poole. 1,834,733; Dec. 1.
Wire bending machine. V. J. Verpent. 1,828,884; Oct. 27.
Wire box. W. O. Brown. 1,830,346; Nov. 3.
Wire clamp. S. P. Becker. 1,790,694; Feb. 3.
Wire clamp. S. P. Becker. 1,824,387; Sept. 22.
Wire clamp. M. R. Coates. 1,809,774; June 9.
Wire clamp. J. M. Davidson. 1,807,898; June 2.
Wire clamp. A. M. Maszczyk. 1,817,386; Aug. 4.
Wire clamp, Cross-arm. F. J. Anderson. 1,798,777; Mar. 31.
Wire, Cleaning. C. J. Warnke. 1,816,881; Aug. 4.
Wire cloth selvage. L. C. Campbell. 1,808,526; June 2.
Wire-coiling die. S. Wadsten. 1,821,250; Sept. 1.
Wire connecter. G. H. Brady. 1,808,285; June 2.
Wire connecter. L. R. Zehnder. 1,807,462; May 26.
Wire connection, Ground. B. D. Horton. 1,813,448; July 7.
Wire contact hook, Trolley. H. Perazzoli. 1,833,756; Nov. 24.
Wire coupling, Electric train-. C. C. Farmer. 1,797,408; Mar. 24.
Wire cutter. J. F. Wippel. 1,791,608; Feb. 10.
Wire dispensing apparatus. J. Colitz. 1,819,734; Aug. 18.
Wire dispensing means. H. A. Vesey. 1,815,532; July 21.
Wire drawing apparatus. H. S. Busey. 1,835,462; Dec. 8.
Wire drawing machine and threading the same. E. J. McIlvried. 1,821,845; Sept. 1.
Wire fabric. E. F. Pink. 1,833,260; Nov. 24.
Wire fabric. H. Tampkin. Re17,920; Jan. 6.
Wire fabric, Fourdrinier. G. M. Peterson. 1,800,872; Apr. 14.
Wire fabric machine, Woven. F. E. Willits. 1,812,506; June 30.
Wire fastening means. J. G. Osborne and W. W. Hicks. 1,811,892; June 30.
Wire-feeding mechanism. A. P. J. Soepnel and W. H. Stigter. 1,801,119; Apr. 14.
Wire fence fabric. N. S. Harter. Des. 84,743; July 28.
Wire for winding motors, etc. A. Arutunoff. 1,804,076; May 5.
Wire gauze, Producing seamless connections of the ends of metal. H. Schubert. 1,797,967; Mar. 24.
Wire-glass plates with wires running in one direction, Process and contrivance for the manufacture of. A. Engels. 1,790,043; Jan. 27.
Wire, Insulated. H. Böving. 1,834,376; Dec. 1.
Wire joining. A. L. Rosenmund. 1,822,542–3; Sept. 8.
Wire line clamp. H. E. Garden. 1,804,762; May 12.
Wire machine, Barb. W. H. Sommer. 1,821,730; Sept. 1.
Wire, Making and impregnating paper-wrapped. N. C. Lamont. 1,798,889; Mar. 31.
Wire, Making flexible insulated. H. de B. Rice. 1,826,092; Oct. 6.
Wire measuring device. V. J. Phillips. 1,831,750; Nov. 10.
Wire, Method and apparatus for coiling. C. A. H. Mulder. 1,801,102; Apr. 14.
Wire or rod material, Composite welding. C. J. Kotchi. 1,797,289; Mar. 24.
Wire or rod polisher. G. F. Matteson. 1,797,174; Mar. 17.
Wire or similar article. W. A. Rohman. Des. 84,596; July 7.
Wire pocket forming device, Tie. R. M. Thompson. 1,821,951; Sept. 8.
Wire polishing machine. A. K. Sanderson. 1,823,989; Sept. 22.
Wire, Process and apparatus for plating. C. P. Brockway. 1,803,691; May 5.
Wire reel carrier. J. Bodnar. 1,805,564; May 19.
Wire reeler. W. C. Saunders. 1,823,212; Sept. 15.
Wire reeling apparatus. A. H. W. Wessler. 1,813,831; July 7.
Wire reeling attachment. W. C. Saunders. 1,805,636; May 19.
Wire roller. E. W. Rippe. 1,809,490; June 9.
Wire, Rolling composite. R. T. Hurley. 1,813,539; July 7.
Wire rope clamp. G. J. Keen. 1,814,933; July 14.
Wire-rope clamp. J. A. Wagner. 1,796,738; Mar. 17.
Wire rope machine and the like. D. W. Clark. 1,823,886; Sept. 22.
Wire rubbish burner, Folding. A. Reese. 1,833,857; Nov. 24.
Wire securing means for fence posts. D. C. Lee. 1,826,182; Oct. 6.
Wire skinning machine. O. C. Dumroese. 1,802,462; Apr. 28.
Wire skinning machine. H. R. Wright. 1,802,453; Apr. 28.
Wire spacing and fastening device. J. McSkimming. 1,822,781; Sept. 8.
Wire spoke lacing for wheels. C. Sauzedde. 1,836,818; Dec. 15.
Wire spoke wheel. F. Hering. 1,837,124; Dec. 15.
Wire-stitcher feed. J. N. Pagliarul. 1,798,898; Mar. 31.
Wire stitching or stapling machine. A. H. Maynard. 1,802,822; Apr. 28.
Wire-strand unit. A. V. De Forest. 1,797,759; Mar. 24.
Wire supply system, Continuous. G. G. Swank. 1,830,449; Nov. 3.
Wire support and guide. A. S. MacDonald. 1,804,996; May 12.
Wire take off mechanism. A. K. Sanderson. 1,823,990; Sept. 22.
Wire take-up device, Guide. B. T. Wileman. 1,807,769; June 2.
Wire tension device, Multiple. R. C. Pierce. 1,833,588; Nov. 24.
Wire-tension mechanism. S. C. Cary. 1,794,512; Mar. 3.
Wire-tightening and twisting device, Tie-. L. M. Van Slyke. 1,795,625; Mar. 10.
Wire tightening device. E. T. James. 1,807,479; May 26.
Wire transfer apparatus. G. H. Swank. 1,825,214; Sept. 29.
Wire, Transformer winding. J. Romp. 1,810,499; June 16.
Wire, Treating. R. C. Pierce. 1,824,568; Sept. 22.
Wire, Trolley. K. Teramoto. 1,834,659; Dec. 1.
Wire twisting device. H. Wilking. 1,822,833; Sept. 8.
Wire twisting machine. L. A. and L. O. Weston. 1,802,799; Apr. 28.
Wire tying appliance. J. S. McChesney. Re18,219; Oct. 6.
Wire tying machine. J. A. Rietmann and A. Radics. 1,814,188; July 14.
Wire-tying machine. J. L. Vaughn. 1,794,217; Feb. 24.
Wire tying machine. I. B. Wright. 1,836,518; Dec. 15.
Wire tying machines, Device for supporting. T. J. King, jr. 1,834,213; Dec. 1.
Wire unreeling apparatus. D. V. Atwood. 1,834,993; Dec. 8.
Wire welding machine. T. H. Kane. 1,811,585; June 23.
Wire wheel. W. N. Booth. 1,816,926; Aug. 4.
Wire windings on vertical conical winding-up drums, Frictionless automatic device for raising. E. Erdman. 1,810,270; June 16.
Wireworking mechanism. J. F. Gail. 1,826,612; Oct. 6.
Wiring channel structure. D. T. Wadsworth. 1,813,331; July 7.
Wiring machine, Package. J. S. McChesney. 1,821,389; Sept. 1.
Wires and cables, Insulation of electric. F. J. Brislee. 1,795,994; Mar. 10.
Wires, Apparatus for joining. S. Williamson. 1,789,091; Jan. 13.
Wires, Apparatus for treating. P. Wright. 1,804,486; May 12.
Wires, Apparatus for vibrating Fourdrinier. J. W. Vedder. 1,798,440; Mar. 31.
Wires by means of sleeves, Joining. C. R. Moore. 1,827,297; Oct. 13.
Wires, Combined attaching and equalizing device for guy. O. and P. Vanatta. 1,793,381; Feb. 17.
Wires, Device for locating fallen drop. J. G. Ahlin. 1,832,522; Nov. 17.
Wires in the bound recipients used for the storage and transportation of gas, Arrangement for securing the longitudinal binding. C. Dumat. 1,795,388; Mar. 10.
Wires, Method of and machine for stranding special or figured. F. Fessl. 1,818,845; Aug. 11.
Wires or strips, Continuous method of chromium plating metallic. B. V. McBride. 1,794,973; Mar. 3.
Wires, Securing grid. B. Grebel. 1,792,219; Feb. 10.
Wires through conduits, Pressure operated device for leading. C. W. Kelley. 1,827,239; Oct. 13.
Wires to timer distributors, Connecting conducting. W. Hemingway, jr. 1,796,947; Mar. 17.

Wireless receivers, Attachment for. W. M. Bruce. 1,788,147; Jan. 6.
Wireless receiving apparatus. P. K. Kingdon. 1,788,025; Jan. 6.
Wireless receiving apparatus. J. L. Routin. 1,833,592; Nov. 24.
Wireless receiving system. C. T. Jacobs. 1,813,054; July 7.
Wireless signaling apparatus. E. Karplus. 1,811,357; June 23.
Wireless signaling system. F. Gerth and F. Gutzmann. 1,800,996; Apr. 14.
Wireless telegraphy and telephony, Eliminating disturbances in receiving. A. Meissner. 1,809,134; June 9.
Wireless transmitter. N. E. Davis and W. T. Ditcham. 1,819,596; Aug. 18.
Wireless waves, Receiving. S. Loewe. 1,830,611; Nov. 3.
Wood and like cellular products, Making fire proofed. R. H. McKee. 1,804,633; May 12.
Wood bending machine. A. Sommer. 1,833,267; Nov. 24.
Wood-bending machine, Dry-. T. R. Livingston. 1,792,595–6; Feb. 17.
Wood-bending machines, Roll structure for dry-. T. R. Livingston. 1,792,597; Feb. 17.
Wood block. C. W. Allen. 1,808,623; June 2.
Wood block. J. A. Lee. 1,808,667; June 2.
Wood block floor. R. G. Bruce. 1,808,592; June 2.
Wood burning furnace. T. E. Clark. 1,834,602; Dec. 1.
Wood coloring process. C. E. Lentz. 1,809,980; June 16.
Woodcutting machines, Circular knife for. J. E. Eckersley. 1,788,456; Jan. 13.
Wood disintegration. W. O. Mitscherling. 1,793,711; Feb. 24.
Wood distillation, Apparatus for. F. Brass, N. Otten, and G. C. Toland. 1,836,305; Dec. 15.
Wood flooring. C. A. Bruce. 1,808,591; June 2.
Wood for impregnation with preservatives, Conditioning. W. P. Arnold. 1,838,291; Dec. 29.
Wood heel jack. W. H. Hall. 1,815,734; July 21.
Wood into mucic acid, Converting. S. F. Acree. 1,816,137; July 28.
Wood into sugar and other products, Converting. S. F. Acree. 1,816,135; July 28.
Wood into sugar and other products, Converting. S. F. Acree. 1,816,136; July 28.
Wood joining. C. C. Jensen. 1,814,702; July 14.
Wood, Method of and apparatus for digesting. J. E. Bond. 1,808,830; June 9.
Wood, Method of and apparatus for digesting. P. E. Hodgdon. 1,810,398; June 16.
Wood patch making machine. A. R. Jayne. 1,816,853; Aug. 4.
Wood planing machine. L. E. Blood and J. B. Wiard. 1,805,437; May 12.
Wood product and producing the same. C. B. Lipman and A. Gordon. 1,805,550; May 19.
Wood product, Laminated. J. R. Brossman. 1,834,895; Dec. 1.
Wood pulp by percolation, Treatment of. E. Morteurd. 1,819,963; Aug. 18.
Wood pulp fibers and paper product made therefrom, Treating. J. A. De Cew. 1,816,423; July 28.
Wood pulp, Manufacture of ground. A. R. Chambers. 1,813,988; July 14.
Wood pulp of low pentosan content, Refined. G. A. Richter. 1,838,326; Dec. 29.
Wood pulp, Production of chemical. G. A. Richter. 1,817,525; Aug. 4.
Wood pulp. Production of refined. G. A. Richter. 1,831,032; Nov. 10.
Wood pulp, Purification of chemical. J. D. Rue. 1,827,857; Oct. 20.
Wood pulp, Treating ground. G. A. Richter. 1,802,984; Apr. 28.
Wood pulps, Production of chemical. G. A. Richter. 1,828,848; Oct. 27.
Wood, Saccharification of. E. Färber, G. Minkoff, and T. W. M. Pond. 1,795,166; Mar. 3.
Wood-sawing machine. G. A. Carter and M. G. Tillery. 1,795,709; Mar. 10.
Wood shaping and finishing machine. O. W. Young. 1,798,512; Mar. 31.
Wood-slicing machine. J. H. Dalen. 1,793,842; Feb. 24.
Wood-slicing machine. L. Hommel. 1,799,814; Apr. 7.
Wood. Treating. W. Kritchevsky and C. J. Beckert. 1,810,659; June 16.
Wood treating process and resulting fiber and paper, Monosulphite. V. Drewson. 1,830,315; Nov. 3.
Wood with starch or substances containing starch, Process and product for gluing. E. Abramowitsch. 1,788,608; Jan. 13.
Woodwork protector. M. Panitzsch. 1,817,928; Aug. 11.
Woodworker's clamp. W. H. Woelk. 1,810,995; June 23.
Woodworking cutter, Rotary. C. Cederholm. 1,797,463; Mar. 24.
Woodworking machine. E. W. Bennett. 1,816,069; July 28.
Woodworking machine. W. Clausing. 1,801,722; Apr. 21.
Woodworking machine. G. L. Dannehower. 1,834,684; Dec. 1.
Woodworking machine. R. E. DeWalt. 1,794,836; Mar. 3.
Woodworking machine. A. B. Johnson. 1,823,200; Sept. 15.
Woodworking machine. A. B. Johnson. 1,823,272; Sept. 15.
Woodworking machine. G. R. Napier. 1,803,402; May 5.
Wood working machine. P. Salvat. 1,820,162; Aug. 25.
Woodworking machine. C. I. Shawver. 1,796,054; Mar. 10.
Woodworking machine. J. J. Tompkins. 1,829,313; Oct. 27.
Woodworking machine. T. F. White. 1,796,697; Mar. 17.
Woodworking machine, Router attachment for. C. G. Wilderson. 1,802,800; Apr. 28.
Woodworking machinery, Scrap removing device for. C. F. Streit and G. J. Kuehnle. 1,805,856; May 19.
Woodworking machines, Feeder for. G. C. Wahl. 1,798,570; Mar. 31.
Woodworking machines, Material guiding means for. K. E. Crooks. 1,833,934; Dec. 1.
Wood working machines, Shaper head for. T. J. Anderson. 1,808,395; June 2.
Wooden building strip and making same. M. L. Caton. 1,814,291; July 14.
Woods for cellulose, Treatment of. K. G. Bergström and A. F. Zennström. 1,824,701; Sept. 22.
Wool, Apparatus and process of treating mineral. C. C. Hall. 1,824,430; Sept. 22.
Wool, Collecting artificial. M. Dassonville. 1,824,772; Sept. 29.
Wool, cotton, and other fibrous materials, Blending of. J. Hanson. 1,838,673; Dec. 29.
Wool grease, Purification of. F. Frick. 1,808,844; June 9.
Wool or the like, Method of and composition for conditioning. A. H. Gill. 1,791,057; Feb. 3.
Woolen fabrics, Making tone in tone effects in. R. Brauckmeyer. 1,831,650; Nov. 10.
Workbench. J. H. Coates. 1,797,717; Mar. 24.
Work bench, Portable. H. T. Hallowell and F. Bennett. 1,828,248; Oct. 20.
Work carrier. C. Koster. 1,831,124; Nov. 10.
Work-centering means. R. E. Hyde. 1,795,605; Mar. 10.
Work guiding means. C. L'Enfant. 1,833,027; Nov. 24.
Work holder. J. L. Perkins. and H. D. Croft. 1,791,224; Feb. 3.
Workholding apparatus. D. C. Page. 1,825,677; Oct. 6.
Work holding clamp. L. Leyes. 1,820,667; Aug. 25.
Work-holding device. A. Brown. 1,794,397; Mar. 3.
Workholding device. M. Longnecker and W. M. Elkins. 1,820,812; Aug. 25.
Work holding device for miter boxes. E. Sodergren. 1,805,022; May 12.
Work in roll trains, Apparatus for turning over the. H. Holtus. 1,791,962; Feb. 10.
Work pieces by means of broad cutters, Attachment for turning. F. Mulka. 1,830,881; Nov. 10.
Work positioning means for centering machines. J. J. Thacher. 1,823,670; Sept. 15.
Work presenting device. R. B. Woodcock. 1,826,855; Oct. 13.
Work stand. Automobile radiator. G. D. Long. 1,823,204; Sept. 15.
Work supporting arbor. E. Pleasance. 1,830,130; Nov. 3.
Work supporting fixture. F. W. Green. 1,825,862; Oct. 6.
Worktable, Needle plate. I. Krasne. 1,826,940; Oct. 13.
Work, Turning and finishing pieces of. O. E. Trobeck. 1,794,890; Mar. 3.
Working substance for producing heat transforming effects. R. W. Davenport. 1,818,117; Aug. 11.
Worm and gear. J. N. Kelly. 1,794,907; Mar. 3.
Woven fabric. G. E. O'Hearn. Des. 85,343; Oct. 13.
Woven fabric. C. Rosenstein. 1,808,379; June 2.
Woven fabric. C. Rosenstein. 1,829,299; Oct. 27.
Woven fabric, Blister-ornamented. F. R. L. Thomas. 1,792,453; Feb. 10.
Wrapper feeding and gumming machine. P. Gangler. 1,838,479; Dec. 29.
Wrapper gumming and delivery system. S. H. Davis. 1,818,198; Aug. 11.
Wrapper remover. W. D. Bost. 1,788,230; Jan. 6.
Wrapper tabbing mechanism. E. G. Rider. 1,806,181; May 19.
Wrappers, Applying temporary. H. MacElhone. 1,810,837; June 16.
Wrappers in boxes, Forming and applying tabbed. J. S. Stokes. 1,827,212; Oct. 13.
Wrappers, Method and mechanism for assembling composite. J. S. Stokes. 1,793,876; Feb. 24.
Wrappers, Preparing and applying tabbed. E. G. Rider. 1,827,334; Oct. 13.
Wrappers, Preparing cigar. J. F. Halstead. 1,824,400; Sept. 22.
Wrappers, Producing and applying tabbed. J. S. Stokes. 1,827,442; Oct. 13.
Wrappers, System for applying. T. A. Federwitz and W. T. Bailey. 1,804,094; May 5.
Wrapping. H. R. Durham. 1,789,699; Jan. 20.
Wrapping and banding machine. G. I. Hohl. 1,814,696; July 14.
Wrapping and packaging machine, Dual. J. P. Aldrich and H. A. Morris. 1,791,154; Feb. 3.
Wrapping and sealing machine. M. J. Milmoe. 1,818,497–8; Aug. 11.
Wrapping machine. J. Derry. 1,807,651; June 2.
Wrapping machine. A. M. English. 1,810,471; June 16.

Wrapping machine. H. L. Evans and G. I. Hohl. 1,836,019; Dec. 15.
Wrapping machine. E. Haas. 1,807,981; June 2.
Wrapping machine. A. S. Kux. 1,814,166; July 14.
Wrapping machine. O. Sandberg. 1,807,709; June 2.
Wrapping machine. O. Sandberg. 1,807,756; June 2.
Wrapping machine. H. Schoij. 1,824,374; Sept. 22.
Wrapping machine. E. L. Smith. 1,824,378; Sept. 22.
Wrapping machine. E. L. Smith and F. B. Fuller. 1,791,171; Feb. 3.
Wrapping machine. H. E. Townsend. 1,796,773; Mar. 17.
Wrapping machine. H. E. Townsend. 1,813,974; July 14.
Wrapping machine and process. P. Langhammer. 1,816,085; July 28.
Wrapping machine, Convertible. H. A. Sévigne. 1,808,181; June 2.
Wrapping machine, Duplex. W. B. Bronander. 1,824,390; Sept. 22.
Wrapping machine for candy, filled chocolates and other kinds of confectionery. O. Lauenstein. 1,834,460; Dec. 1.
Wrapping machine paper feed mechanism. E. C. Hegg. 1,829,515; Oct. 27.
Wrapping machinery. W. H. Norton. 1,817,017; Aug. 4.
Wrapping machines, Dating attachment for. M. H. Kern. 1,811,359; June 23.
Wrapping machines, Paper feed for. F. R. Schmitt. 1,805,677; May 19.
Wrapping machines, Printed-wrapper-controlling device for. W. B. Ranney and A. E. Johnson. 1,791,144; Feb. 3.
Wrapping machines, Rear tucking mechanism for. E. Haas. 1,824,266; Sept. 22.
Wrapping machines, Spreader for pipe. A. A. Chambers. 1,791,793; Feb. 10.
Wrapping method and apparatus. F. Slusher. 1,837,840; Dec. 22.
Wrapping up machine for circular loaves. G. Harwig. 1,787,522; Jan. 6.
Wreath. J. Frei, jr. Des. 84,281–2; June 2.
Wreath, Decorative. L. O. Bouchard. 1,815,610; July 21.
Wreath, Decorative. A. Brandt. 1,817,173; Aug. 4.
Wrench: *See*—
Adjustable handle wrench.
Adjustable wrench.
Air wrench.
Alligator wrench.
Basin wrench.
Chain pipe wrench.
Chain wrench.
Duplex wrench.
End wrench.
Hub cap wrench.
Internal-casing wrench.
Jar wrench.
Machine wrench.
Monkey wrench.
Nut and pipe wrench.
Nut wrench.
Pipe wrench.
Plier wrench.
Power wrench.
Ratchet wrench.
Socket wrench.
Spanner wrench.
Speed wrench.
Stud wrench.
Valve wrench.
Wrench. A. L. Abrahamson. 1,794,818; Mar. 3.
Wrench. M. Armstrong. 1,815,755; July 21.
Wrench. J. E. Blalock. 1,817,060; Aug. 4.
Wrench. G. Breen. 1,816,997; Aug. 4.
Wrench. O. J. Brousseau. 1,790,133; Jan. 27.
Wrench. A. E. Carlberg. 1,796,083; Mar. 10.
Wrench. F. J. Carnelli. 1,835,465; Dec. 8.
Wrench. Y. L. Chew. 1,829,473; Oct. 27.
Wrench. R. L. Cochrane. 1,832,185; Nov. 17.
Wrench. F. A. Devereaux. 1,818,385; Aug. 11.
Wrench. F. Dixon. 1,790,411; Jan. 27.
Wrench. C. L. Dunham. 1,812,938; July 7.
Wrench. A. Edwards. 1,810,006; June 16.
Wrench. G. Gäng. 1,826,765; Oct. 13.
Wrench. V. C. Garrison. 1,828,561; Oct. 20.
Wrench. A. U. Gates. 1,799,741; Apr. 7.
Wrench. R. Geoffroy. 1,796,688; Mar. 17.
Wrench. W. J. Greutman, C. A. Shook, and M. F. Brandt. 1,816,968; Aug. 4.
Wrench. J. D. Hardesty. 1,789,175; Jan. 13.
Wrench. J. R. Kerlin. 1,816,015; July 28.
Wrench. H. H. Kob. 1,836,473; Dec. 15.
Wrench. A. Marcuson. 1,794,085; Feb. 24.
Wrench. H. E. Maynard. 1,805,368; May 12.
Wrench. J. Monzroll. 1,833,790; Nov. 24.
Wrench. P. Ollagnon. 1,802,954; Apr. 28.
Wrench. J. Orawiec. 1,838,957; Dec. 29.
Wrench. E. F. Pawsat. 1,805,884; May 19.
Wrench. J. P. Salmon. 1,797,446; Mar. 24.
Wrench. G. W. Schaefer. 1,819,525; Aug. 18.
Wrench. F. Schweigert. 1,805,298; May 12.
Wrench. J. P. Slattery. 1,838,963; Dec. 29.
Wrench. F. A. Slazes. 1,795,150; Mar. 3.
Wrench. W. B. Small. 1,832,663; Nov. 17.
Wrench. C. M. Stewart. 1,808,268; June 2.
Wrench. J. Zilliox. 1,822,428; Sept. 8.
Wrench for spark plugs, Side wire gap. H. Rabezzana. 1,812,496; June 30.
Wrench of yielding and adjustable structure. R. L. Cairncross and G. H. Goodell. 1,814,544; July 14.
Wrench set unit. F. J. Vlchek. 1,808,190; June 2.
Wringer: *See*—
Clothes wringer.
Mop wringer.
Wringer. T. W. Behan. 1,817,603; Aug. 4.
Wringer. E. E. Erickson. 1,796,446; Mar. 17.
Wringer. V. Gehrlein. 1,830,832; Nov. 10.
Wringer. A. R. Haag. 1,794,172; Feb. 24.
Wringer. E. A. Hirner. 1,820,308; Aug. 25.
Wringer. G. H. Jantz. 1,810,479; June 16.
Wringer. W. L. Kauffman, 2d. Des. 84,503–4; June 23.
Wringer. M. M. Kistner. 1,822,299; Sept. 8.
Wringer. W. Robertson. 1,821,275; Sept. 1.
Wringer. H. L. Schneider. 1,803,297; Apr. 28.
Wringer. E. J. Schuda. 1,810,500; June 16.
Wringer. E. J. Schuda. 1,811,096; June 23.
Wringer. F. R. Steelsmith. 1,834,226; Dec. 1.
Wringer and casing for a washing machine, Combined. J. C. Nelson. Des. 85,259; Sept. 29.
Wringer frame. E. J. Schuda. 1,805,557; May 19.
Wringer head and drive. J. L. Perkins, J. Oakley, and H. D. Croft. 1,830,406; Nov. 3.
Wringer safety feeder. W. H. Bowden. 1,799,406; Apr. 7.
Wringer with lever attachment, Mop. S. Schulman. 1,814,413; July 14.
Wringing machine. S. C. Lawlor. 1,805,774; May 19.
Wringers, Attachment to. J. W. Stainsby. 1,793,972; Feb. 24.
Wringers, Safety device for clothes. L. S. Gunderman. 1,791,895; Feb. 10.
Wringers, Safety feed for. E. A. Hirner. 1,813,403; July 7.
Wringers, Supporting and driving mechanism for. S. E. Schroeder. 1,813,466; July 7.
Wrinkle iron. M. M. Varady. Des. 85,676; Dec. 1.
Wristband. J. M. Keller. 1,790,381; Jan. 27.
Wrist pin. I. R. B. Chevalier. 1,818,304; Aug. 11.
Wrist pin. J. D. Nixon. 1,813,193; July 7.
Wrist pin cushion. F. Pfaffinger. 1,827,607; Oct. 13.
Wrist pin, Wedge-type. F. J. Hinderliter. 1,799,813; Apr. 7.
Wrist-strap clasp. E. F. Herschede. 1,794,458; Mar. 3.
Writing-computing machine. E. C. Walter. 1,801,470; Apr. 21.
Writing device C. E. Cowdin. 1,818,383; Aug. 11.
Writing device. H. I. Morris. 1,813,251; July 7.
Writing implement. J. O'Shaughnessy. 1,810,983; June 23.
Writing implement. P. Siptrott. 1,836,342; Dec. 15.
Writing implement, Fountain. S. Niemtzow. 1,794,533; Mar. 3.
Writing machine. A. T. and E. N. Kurowski. 1,838,844; Dec. 29.
Writing machine. LÖw-Vogel. 1,802,921; Apr. 28.
Writing surface for recording instruments. M. Tibbetts. 1,824,513; Sept. 22.
Writing upon paper and other fabrics, Indelibly. W. L. Gill. 1,824,341; Sept. 22.
X-ray aggregate. W. H. Boldingh. Des. 83,659; Mar. 17.
X-ray centering device. S. Israel. 1,832,865; Nov. 24.
X-ray machine. G. L. and A. E. Bush. 1,831,341; Nov. 10.
X-ray machine. F. H. Wappler and C. Fayer. 1,797,303; Mar. 24.
X-ray system. G. Spiegler and F. Bügler. 1,826,579; Oct. 6.
X-ray tube. M. Morrison. 1,787,699; Jan. 6.
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X-ray tube. J. B. Wantz. 1,805,503; May 19.
X-rays, Apparatus for directing. G. Herrnheiser. 1,794,853; Mar. 3.
Xylophone and carrying apparatus, Combined. T. R. Gerhart. 1,810,519; June 16.
Yarn and producing same, Cordage. J. A. Palmer. 1,814,958; July 14.
Yarn, Apparatus for drying. A. H. Junkers. 1,820,621; Aug. 25.
Yarn, Apparatus for spinning. E. Hartley. 1,817,192; Aug. 4.
Yarn, Chenille. S. H. Hinlein. 1,829,446; Oct. 27.
Yarn cleaner and slub catcher. G. N. Taylor. 1,817,937; Aug. 11.
Yarn cones, Device for perforating the cores of. W. N. Gere. 1,796,448; Mar. 17.
Yarn control, Multiple suture. E. C. Hinchliff. 1,812,653; June 30.
Yarn, Device for mechanically lacing hanks of. R. Langwieler. 1,830,279; Nov. 3.
Yarn doubling and twisting machine. E. W. Stone. 1,798,817; Mar. 31.
Yarn, Elastic. P. Adamson. 1,822,847; Sept. 8.
Yarn fabric and weaving same, Tufted. V. Gero. 1,797,058; Mar. 17.
Yarn feeding device for circular knitting machines. W. J. Lougtin. 1,821,268; Sept. 1.
Yarn feeding mechanism for straight knitting machines. E. Richter. 1,822,317; Sept. 8.
Yarn making apparatus. J. P. Shorrock. 1,834,074; Dec. 1.
Yarn manufacture. W. H. Paull and R. Truesdale. 1,788,439; Jan. 13.
Yarn, Manufacture of. E. E. Blake. 1,804,968; May 12.
Yarn, Mechanism for evening and tensioning. F. Baker. 1,818,526; Aug. 11.
Yarn, Mechanism for use in treating. W. C. Volk. 1,805,456; May 12.
Yarn, Method of and apparatus for twisting. C. B. Rockwell, jr., and W. F. Bird. 1,802,671; Apr. 28.
Yarn moistening device. E. J. Berger and A. W. Swartz. 1,804,866; May 5.
Yarn moistening device. E. O. Nebel. 1,807,492; May 26.
Yarn on wire, Mechanism for spinning. R. C. Butler. 1,797,821; Mar. 24.

Yarn separator. F. K. Hendrickson. 1,817,143; Aug. 4.
Yarn tension for shuttles. H. A. Davol. 1,789,517; Jan. 20.
Yarn tensioning device. A. Balthasar. 1,828,918; Oct. 27.
Yarn tensioning device. W. Bock. 1,825,626; Sept. 29.
Yarn, Treating. J. A. Harron, J. J. Diamond, and G. Bley. 1,799,230; Apr.7.
Yarn, Treating. J. P. Holt. 1,820,883; Aug. 25.
Yarn, Treating. S. P. Ruff, jr. 1,803,869; May 5.
Yarn, Treating. P. G. Rust. 1,829,678; Oct. 27.
Yarn winding machine. J. Coley. 1,822,391; Sept. 8.
Yarns, fabrics, films, and the like, Treatment of. H. Dreyfus. 1,821,464; Sept. 1.
Yarns, Increasing the tensile strength of. F. J. Hoxie and A. M. Tenney. 1,811,395; June 23.
Yarns, Manufacture of. E. Slade. 1,798,359; Mar. 31.
Yarns, Manufacture of textile. D. R. Nanji. 1,796,719; Mar. 17.
Yarns or threads and apparatus therefor, Manufacture of. W. A. Dickie and R. Martin. 1,813,611; July 7.
Yeast, Manufacturing. A. Boye. 1,818,530; Aug. 11.
Yeast, Manufacturing. C. N. Frey, A. Schultz, and A. P. Harrison. 1,814,210; July 14.
Yeast preparations, Preparing preservable. E. I. Levin. 1,801,095; Apr. 14.
Yellowing of materials with age, Reduction of. W. O. Snelling. 1,814,344; July 14.
Yoke. E. W. Bereit. 1,838,652; Dec. 29.
Yoke and coupler connection, Pivotal. S. B. Haseltine. 1,836,244; Dec. 15.
Yoke, Pull-off. W. Schaake. 1,810,733; June 16.
Zeolite and preparing same, Base exchange. F. M. Tschirner. 1,804,964; May 12.
Zeolite-regenerating process. W. H. Green. 1,792,220; Feb. 10.
Zeolite water softeners, Construction of. J. A. Montgomery. 1,787,698; Jan. 6.
Zinc alloy. H. J. Lorang. 1,832,992; Nov. 24.
Zinc alloy. L. E. Wemple and F. A. Warren. 1,818,774; Aug. 11.
Zinc base alloy and wrought products made therefrom. W. Peirce and E. A. Anderson. 1,832,653; Nov. 17.
Zinc base alloy and wrought products made therefrom. W. M. Peirce and E. A. Anderson. 1,832,733; Nov. 17.
Zinc bath, Electrolytic. G. Bianco. 1,791,082; Feb. 3.
Zinc-bearing material, Treatment of. W. O. Borcherdt. 1,799,278; Apr. 7.
Zinc-bearing material, Treatment of. W. C. Hooey. 1,799,166; Apr. 7.
Zinc bearing material, Treatment of. W. C. Hooey. 1,820,455; Aug. 25.
Zinc blende and the like, Roasting. G. Balz. 1,815,040; July 21.
Zinc chloride, Forming and purifying. J. O. Betterton. 1,789,299; Jan. 20.
Zinc concentrate and plant residue, Treating. W. E. Mitchell. 1,834,960; Dec. 8.
Zinc, Electrolytic recovery of. H. Hey, A. F. Evans, R. T. D. Williams and A. P. Newall. 1,811,692; June 23.
Zinc, Manufacture of. H. E. Coley. 1,806,596; May 26.
Zinc on ferrous articles, Electroplating. S. H. Davis, C. O. Anderson, R. J. Stengl, W. N. Smith, and H. R. Hanley. 1,795,081; Mar. 3.
Zinc on iron or steel, Electroplating. S. H. Davis, C. O. Anderson, W. N. Smith, and H. R. Hanley. 1,794,079–80; Mar. 3.
Zinc oxide catalyst, Manufacture of. W. Bader and S. J. Green. 1,793,350; Feb. 17.
Zinc oxide from zinc sulphate solution, Producing fumed. F. A. Brinker. 1,838,359; Dec. 29.
Zinc, Process of and apparatus for obtaining metallic. A. Roitzheim and W. Remy. 1,798,986; Mar. 31.
Zinc, Producing. F. R. Kemmer. 1,815,260; July 21.
Zinc product, Wrought. E. A. Anderson and E. H. Kelton. 1,835,450; Dec. 8.
Zinc solutions, Purification of. W. Seguine, jr. 1,832,329; Nov. 17.
Zinc sulphate from sodium sulphate, Separating. H. Weidmann. 1,787,806; Jan. 6.
Zinc sulphide from its ore, Obtaining. T. A. Mitchell. 1,838,857; Dec. 29.
Zinc sulphide, Manufacture of. E. J. Flynn and W. C. Hooey. 1,835,482; Dec. 8.
Zinc white, Manufacture of. J. M. H. Cornillat. 1,820,598; Aug. 25.
Zinciferous material, Reducing. E. H. Bunce and G. T. Mahler. 1,804,201; May 5.
Zinciferous material, Reduction of. F. G. Breyer. 1,811,910; June 30.
Zinciferous materials, Apparatus for reducing. F. G. Breyer. 1,832,354; Nov. 17.
Zinciferous materials containing cadmium, Treatment of. H. M. Cyr and R. K. Waring. 1,817,068; Aug. 4.
Zinciferous materials, Reducing. F. G. Breyer. 1,832,356; Nov. 17.
Zirconia from ores, Extracting. C. O. Terwilliger. 1,796,170; Mar. 10.
Zirconium opacifier and making same. C. J. Kinzie. 1,789,311; Jan. 20.
Zone metering system. J. Wicks. 1,810,330; June 16.
Zoning and fare collecting system. J. W. Hulme. 1,810,967; June 23.
Zylophones or the like, Bar mounting for. H. A. Bowers. 1,807,057; May 26.

LIST OF DISCLAIMERS ARRANGED BY INVENTIONS

Animal fibers against the effects of alkaline or acid mediums, Protection of. R. S. Horsfall and L. G. Lawrie. No. 1,693,926; date of patent Dec. 4, 1928; disclaimer filed July 1, 1931; v. 408; p. 594.

Annealing and heat-treating device. A. T. Kathner. Re. No. 17,413; date of patent Aug. 20, 1929; disclaimer filed June 5, 1931; v. 407; p. 868.

Assist grip. H. H. Rubin. No. 1,703,321; date of patent Feb. 26, 1929; disclaimer filed May 18, 1931; v. 407; p. 302.

Belt, Endless. Charles C. Gates. No. 1,400,539; date of patent Dec. 20, 1921; disclaimer filed Jan. 19, 1931; v. 403; p. 250.

Boots and shoes, Machine for operating upon the heel ends of. C. M. Bagshaw. No. 1,698,902; date of patent Jan. 15, 1929; disclaimer filed Jan. 16, 1931; v. 403; p. 250.

Bowling alleys, Pin-setting machine for. E. Hedenskoog. No. 1,597,974; date of patent Aug. 31, 1926; disclaimer filed Oct. 26, 1931; v. 412; p. 563.

Boxes or the like, Process for making paper folding. C. Butterfield. No. 1,461,967; date of patent July 17, 1923; disclaimer filed Mar. 2, 1931; v. 404; p. 799.

Brick handling apparatus. Grafton E. Luce. No. 1,765,765; date of patent June 24, 1930; disclaimer filed Sept. 8, 1931; v. 411; p. 13.

Burner controlling apparatus, Electrically operated. H. W. Sweatt and F. S. Denison. No. 1,605,299; date of patent Nov. 2, 1926; disclaimer filed Aug. 28, 1931; v. 410; p. 824.

Button-attaching machine. F. N. Ross. No. 1,653,065; date of patent Dec. 20, 1927; disclaimer filed May 13, 1931; v. 407; p. 301.

Cable, High-tension. W. C. Hayman. No. 1,751,403; date of patent Mar. 18, 1930; disclaimer filed Feb. 10, 1931; v. 403; p. 794.

Cameras, Automatic iris for. J. W. Myers and R. J. Wilkinson. No. 1,813,635; date of patent July 7, 1931; disclaimer filed Nov. 9, 1931; v. 413; p. 12.

Casing and frame for a washing machine, A combined. T. W. Behan. Des. 73,995; date of patent Dec. 6, 1927; disclaimer filed June 6, 1931; v. 407; p. 868.

Castings, Process of making. A. B. Norton. No. 1,296,595; date of patent Mar. 4, 1919; disclaimer filed Dec. 30, 1930; v. 402; p. 259.

Centrifugal machine and process involving the use of the same. L. D. Jones and A. U. Ayres. Re. No. 16,640; date of patent May 31, 1927; disclaimer filed Jan. 30, 1931; v. 403; p. 518.

Circuit-controlling apparatus. B. F. Fuller. No. 1,640,542; date of patent Aug. 30, 1927; disclaimer filed Dec. 16, 1930; v. 402; p. 710.

Clock, Alternating-current. L. Hammond. No. 1,719,805; date of patent July 2, 1929; disclaimer filed Oct. 16, 1931; v. 412; p. 1.

Coal spreader. T. N. Wynne. No. 1,759,877; date of patent May 27, 1930; disclaimer filed May 20, 1931; v. 407; p. 302.

Coating apparatus. R. K. Nash. No. 1,771,388; date of patent July 22, 1930; disclaimer filed Mar. 9, 1931; v. 404; p. 802.

Commutator-assembly apparatus. L. T. Frederick. No. 1,759,500; date of patent May 20, 1930; disclaimer filed Dec. 3, 1931; v. 413; p. 865.

Commutator-assembly mechanism. L. T. Frederick. No. 1,759 501; date of patent May 20, 1930; disclaimer filed Dec. 3, 1931; v. 413; p. 865.

Compass indicator for automobiles, etc. O. P. Noison. No. 1,665,715; date of patent Apr. 10, 1928; disclaimer filed Mar. 6, 1931; v. 404; p. 800.

Conductor, Hollow. W. H. Bassett. Re. No. 17,296; date of patent May 21, 1929; disclaimer filed Mar. 13, 1931; v. 405; p. 275.

Connecter-switch circuits. H. Hovland. No. 1,747,169; date of patent Feb. 18, 1930; disclaimer filed July 2, 1931; v. 408; p. 594.

Current, Device for rectifying alternating. P. W. Dobben. No. 1,772,133; date of patent Aug. 5, 1930; disclaimer filed Aug. 25, 1931; v. 410; p. 824.

Distribution, System of. A. H. Mittag. No. 1,699,153; date of patent Jan. 15, 1929; disclaimer filed July 23, 1931; v. 409; p. 568.

Doors for railway cars, Panel bracing in. C. D. Bonsall. No. 1,638,143; date of patent August 9, 1927; disclaimer filed Apr. 6, 1931; v. 405; p. 547.

Draft rigging. E. F. Mechlin. No. 1,634,429; date of patent July 5, 1927; disclaimer filed June 16, 1931; v. 408; p. 11.

Drink mixer. H. A. Andersen. No. 1,762,376; date of patent June 10, 1930; disclaimer filed May 23, 1931; v. 407; p. 584.
Dump, Hydraulic. G. A. Wood. No. 1,165,825; date of patent Dec. 28, 1915; disclaimer filed June 17, 1931; v. 407; p. 1123.
Dumping bodies, Tilting mechanism for. G. W. Berry. Re. No. 17,130; date of patent Nov. 13, 1928; disclaimer filed Feb. 13, 1931; v. 404; p. 8.
Dumping mechanism for semitrailers. M. Walter. No. 1,652,262; date of patent Dec. 13, 1927; disclaimer filed Apr. 18, 1931; v. 406; p. 1.
Electric connecter plug. H. H. Wermine. No. 1,820,333; date of patent Aug. 25, 1931; disclaimer filed Oct. 9, 1931; v. 411; p. 813.
Electric discharge device. W. A. Knoop and P. P. Cioffi. No. 1,456,505; date of patent May 29, 1923; disclaimer filed July 7, 1931; v. 409; p. 12.
Electric elevators, Control for. H. F. Parker. Re. No. 16,297; date of patent Mar. 23, 1926; disclaimer filed May 1, 1931; v. 406; p. 569.
Electric furnace. J. A. Seede. No. 1,626,431; date of patent Apr. 26, 1927; disclaimer filed July 1, 1931; v. 408; p. 594.
Electric switch. W. R. Walker. No. 1,638,131; date of patent Aug. 9, 1927; disclaimer filed May 12, 1931; v. 406; p. 858.
Electric toaster. C. E. Barr and T. E. Jackson. No. 1,466,656; date of patent Sept. 4, 1923; disclaimer filed May 11, 1931; v. 406; p. 858.
Electric welding, Process for making spiral tubing. J. D. Beebe. No. 1,523,927; date of patent Jan. 20, 1925; disclaimer filed Feb. 6, 1931; v. 403; p. 794.
Electrical device. J. H. Cohen. No. 1,710,531; date of patent Apr. 23, 1929; disclaimer filed May 20, 1931; v. 407; p. 584.
Electrical distribution, System of. D. C. Prince. No. 1,593,356; date of patent July 20, 1926; disclaimer filed May 20, 1931; v. 407; p. 584.
Electrical system. S. P. Levenberg. No. 1,670,893; date of patent May 22, 1928; disclaimer filed May 18, 1931; v. 407; p. 301.
Electron discharge device. R. W. King. No. 1,479,991; date of patent Jan. 8, 1924; disclaimer filed Aug. 8, 1931; v. 410; p. 1.
Elevator-control device. C. F. E. Olofson. No. 1,699,625; date of patent Jan. 22, 1929; disclaimer filed July 6, 1931; v. 409; p. 12.
Elevator-control system. E. M. Bouton. No. 1,720,538; date of patent July 9, 1929; disclaimer filed Apr. 7, 1931; v. 405; p. 848.
Elevators, Inductor relay for. H. W. Williams. No. 1,800,126; date of patent Apr. 7, 1931; disclaimer filed Nov. 24, 1931; v. 413; p. 566.
Engines, Inlet manifold for straight-eight internal-combustion. J. A. H. Barkeij. No. 1,787,186; date of patent Dec. 30, 1930; disclaimer filed June 3, 1931; v. 407; p. 868.
Fabric, Appliqué. Max Goldberg. No. 1,723,729; date of patent Aug. 6, 1929; disclaimer filed Oct. 23, 1931; v. 412; p. 563.
Film with sensitometric scale, Sound. L. A. Jones and C. M. Tuttle. No. 1,762,925; date of patent June 10, 1930; disclaimer filed Aug. 1, 1931; v. 409; p. 850.
Firearms. L. L. Driggs, jr., and H. B. Faber. No. 1,712,382; date of patent May 7, 1929; disclaimer filed Sept. 23, 1931; v. 411; p. 548.
Fruit for market, Art of preparing fresh. E. M. Brodgen and M. L. Trowbridge. No. 1,529,461; date of patent Mar. 10, 1925; disclaimer filed Aug. 3, 1931; v. 409; p. 849.
Fuel-distributing apparatus. H. E. Lippert. No. 1,793,223; date of patent Feb. 17, 1931; disclaimer filed Nov. 30, 1931; v. 413; p. 866.
Fuel, Method for forming reconstructed carbonaceous. W. B. Rulon. No. 1,656,364; date of patent Jan. 17, 1928; disclaimer filed Aug. 29, 1931; v. 410; p. 824.
Gas burner. H. E. Kerr. No. 1,560,248; date of patent Nov. 3, 1925; disclaimer filed May 23, 1931; v. 407; p. 584.
Glass feeders, Control mechanism for. A. M. Algeo and J. W. Ross. No. 1,816,275; date of patent July 28, 1931; disclaimer filed Dec. 8, 1931; v. 413; p. 1097.
Grinding machine, Centerless. F. M. Kern. No. 1,737,852; date of patent Dec. 3, 1929; disclaimer filed Apr. 3, 1931; v. 405; p. 547.
Headlight, Vehicle. W. H. Wood. No. 1,788,935; date of patent Jan. 13, 1931; disclaimer filed Oct. 29, 1931; v. 413; p. 12.
Heat-regulating device. F. S. Denison and L. L. Cunningham. No. 1,727,308; date of patent Sept. 3, 1929; disclaimer filed June 15, 1931; v. 407; p. 1124.
Hood-Fastener. J. F. White. No. 1,300,796; date of patent Apr. 15, 1919; disclaimer filed Feb. 10, 1931; v. 403; p. 794.
Hydraulic dump. G. A. Wood. No. 1,165,825; date of patent Dec. 28, 1915; disclaimer filed July 8, 1931; v. 409; p. 12.
Hydrocarbon product. W. A. Hall. No. 1,239,099; date of patent Sept. 4, 1917; disclaimer filed Sept. 5, 1931; v. 411; p. 13.
Ignition device. W. D. Schrope. No. 1,687,040; date of patent Oct. 9, 1928; disclaimer filed July 31, 1931; v. 412; p. 1.
Joint for metal pipes, Lock. J. A. Krantz. No. 1,654,738; date of patent Jan. 3, 1928; disclaimer filed Oct. 29, 1931; v. 412; p. 563.
Latch. C. E. Anderson. No. 1,298,272; date of patent Mar. 25, 1919; disclaimer filed Feb. 10, 1931; v. 403; p. 793.
Latex and producing same, Stabilized. M. R. Day. No. 1,689,581; date of patent Oct. 30, 1928; disclaimer filed May 22, 1931; v. 407; p. 584.
Lighter, Cigar. J. H. Cohen. No. 1,710,348; date of patent Apr. 23, 1929; disclaimer filed May 20, 1931; v. 407; p. 584.
Lining-trimming machine. George Boulton. (Two cases.) No. 1,406,335, Feb. 14, 1922, and No. 1,700,624, Jan. 29, 1929; disclaimer filed Mar. 9, 1931; v. 404; p. 799—800.
Locomotive tender. E. E. Hicken. No. 1,733,016; date of patent Oct. 22, 1929; disclaimer filed May 13, 1931; v. 407; p. 302.
Lubricating mechanism. W. L. Morris. No. 1,227,481; date of patent May 22, 1917; disclaimer filed May 20, 1931; v. 407; p. 584.
Material-handling device. C. J. Klein. No. 1,783,797; date of patent Dec. 2, 1930; disclaimer filed July 24, 1931; v. 409; p. 568.
Metal-treating furnace. A. T. Kathner. No. 1,725,398; date of patent Aug. 20, 1929; disclaimer filed June 5, 1931; v. 407; p. 868.
Mold. L. Fithian. No. 1,671,674; date of patent May 29, 1928; disclaimer filed Jan. 5, 1931; v. 402; p. 710.
Motors, Controlling mechanism for booster-. R. M. Brown. No. 1,380,348; date of patent June 7, 1921; disclaimer filed Dec. 4, 1931; v. 413; p. 865.
Mounting, Glass-knob. W. R. Schlage. No. 1,653,514; date of patent Dec. 20, 1927; disclaimer filed Jan. 19, 1931; v. 403; p. 250.
Nuts, Method of packing. T. M. Rector. No. 1,789,946; date of patent Jan. 20, 1931; disclaimer filed Apr. 16, 1931; v. 406; p. 1.
Oil in gas making, Using heavy. O. B. Evans and H. G. Terzian. No. 1,418,782; date of patent June 6, 1922; disclaimer filed Sept. 16, 1931; v. 411; p. 13.
Oils, Art of distilling hydrocarbon. R. D. Hunneman. No. 1,676,609; date of patent July 10, 1928; disclaimer filed May 8, 1931; v. 406; p. 858.
Oils, Art of heat conversion of hydrocarbon. F. A. Howard and N. E. Loomis. No. 1,670,037; date of patent May 15, 1928; disclaimer filed Nov. 6, 1931; v. 413; p. 12.
Oils, Process and apparatus for the cracking of hydrocarbon. G. W. Gray. No. 1,724,760; date of patent Aug. 13, 1929; disclaimer filed Nov. 10, 1931; v. 413; p. 12.
Oils, Treating hydrocarbon. R. C. Holmes, F. T. Manley, and O. Behimer. No. 1,646,380; date of patent Oct. 18, 1927; disclaimer filed Nov. 10, 1931; v. 413; p. 12.
Ores, Process of treating. A. S. Dwight. No. 1,254,316; date of patent Jan. 22, 1918; disclaimer filed Oct. 21, 1931; v. 412; p. 562.
Ores, Process for treating. R. H. Meyer. No. 1,730,584; date of patent Oct. 8, 1929; disclaimer filed Apr. 9, 1931; v. 405; p. 848.
Ores to sinter them, Apparatus for treating. A. S. Dwight (three cases). Nos. 1,433,349, 1,433,351, and 1,433,352; dated Oct. 24, 1922; disclaimer filed Oct. 21, 1931; v. 412; p. 562–563.
Pad holder. J. B. Kemp. Re. No. 16,618; date of patent May 10, 1927; disclaimer filed Apr. 4, 1931; v. 405; p. 547.
Pallet and grate for sintering machines. J. C. Devick. No. 1,669,458; date of patent May 15, 1928; disclaimer filed July 14, 1931; v. 409; p. 567.
Paper and paper made thereby, Process for finishing and coloring. T. Hans. No. 1,685,917; date of patent Oct. 2, 1928; disclaimer filed Aug. 31, 1931; v. 410; p. 824.
Parachute. E. L. Hoffman. No. 1,757,247; date of patent May 6, 1930; disclaimer filed June 22, 1931; v. 408; p. 12.
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Picture apparatus, Motion. J. Tessier. No. 1,658,361; date of patent Feb. 7, 1928; disclaimer filed Aug. 8, 1931; v. 409; p. 850.
Plating by action of casting off mechanism, Reverse. R. H. Lawson. Re. No. 16,584; date of patent Apr. 5, 1927; disclaimer filed Dec. 27, 1930; v. 402; p. 259.
Pulling machine. J. V. L. Peacock. No. 1,529,912; date of patent Mar. 17, 1925; disclaimer filed June 15, 1931; v. 407; p. 1124.
Railway car. W. F. Cremean. Re. No. 15,360; date of patent May 23, 1922; disclaimer filed May 6, 1931; v. 406; p. 857.
Recording and reproducing sound, Method and apparatus for. C. D. Lindridge. No. 1,675,894; date of patent July 3, 1928; disclaimer filed Mar. 4, 1931; v. 404; p. 800.
Refrigerating machine. C. Steenstrup. No. 1,755,084; date of patent Apr. 15, 1930; disclaimer filed Apr. 13, 1931; v. 405; p. 848.
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